

Pantheon Report

Generated at 2018-08-03 18:28:54 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

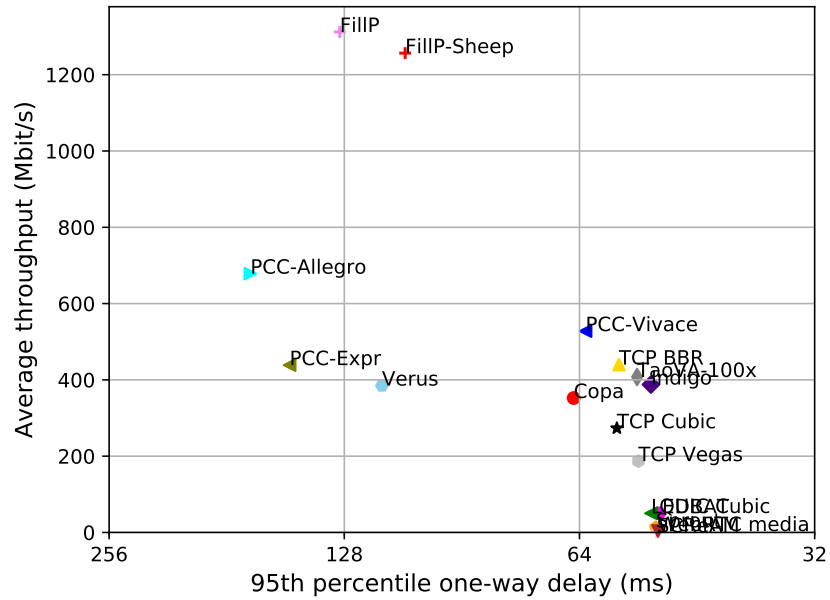
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

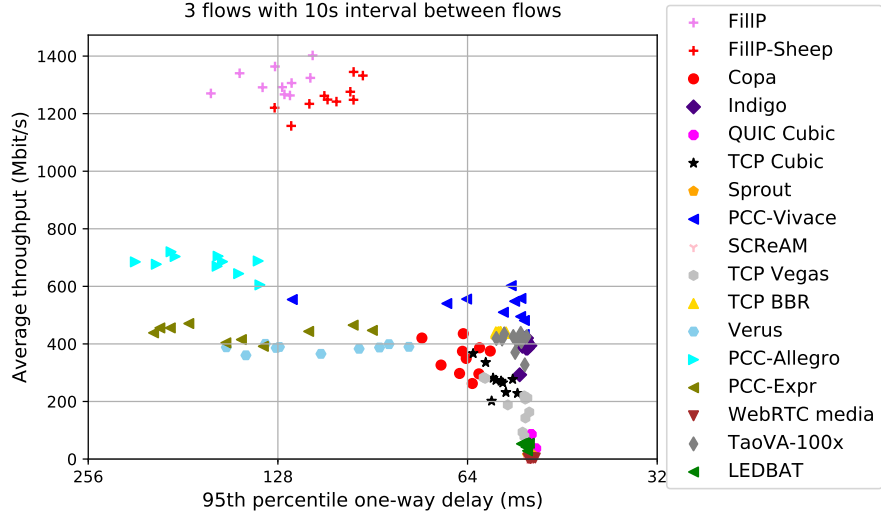
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



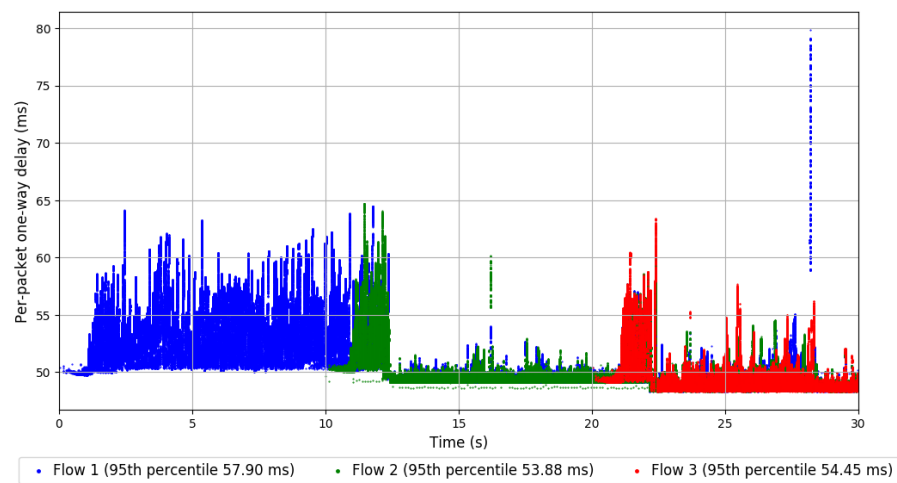
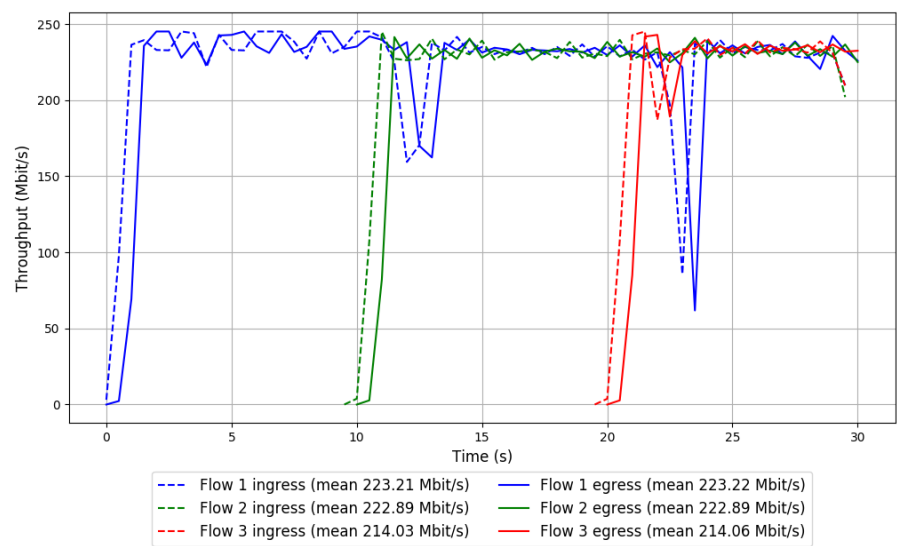
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	222.96	219.16	214.11	55.93	56.61	58.74	0.01	0.01	0.01
Copa	10	179.06	178.44	164.09	62.22	64.52	63.39	0.02	0.02	0.04
TCP Cubic	10	146.73	127.57	125.15	56.67	56.17	56.54	0.04	0.08	0.06
FillP	10	715.90	635.32	523.23	124.07	131.13	112.78	2.62	1.57	1.06
FillP-Sheep	10	686.01	610.10	497.23	113.96	95.32	73.54	0.41	0.25	0.07
Indigo	10	204.46	196.27	164.11	51.68	51.95	52.08	0.01	0.01	0.01
LEDBAT	10	32.47	21.69	10.12	52.00	51.61	51.17	0.00	0.01	0.00
PCC-Allegro	10	507.50	236.76	40.91	176.82	137.42	129.54	2.86	2.02	2.32
PCC-Expr	10	246.18	230.43	118.76	131.55	114.33	68.78	0.84	1.04	0.22
QUIC Cubic	10	19.58	37.24	20.62	50.20	50.51	49.88	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	50.61	50.73	50.78	0.00	0.02	0.00
Sprout	10	7.05	6.47	6.11	51.11	51.10	51.17	0.00	0.00	0.00
TaoVA-100x	10	207.88	202.95	196.27	53.13	54.20	56.10	0.01	0.02	0.02
TCP Vegas	10	97.19	81.21	107.58	53.00	52.87	53.30	0.00	0.00	0.01
Verus	10	223.64	187.18	122.38	110.45	111.77	99.06	0.10	0.46	0.18
PCC-Vivace	10	313.04	271.92	102.73	64.00	60.73	51.82	0.03	0.01	0.00
WebRTC media	10	2.00	1.22	0.49	50.66	50.64	50.78	0.02	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-08-03 10:56:16
End at: 2018-08-03 10:56:46
Local clock offset: 0.451 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-03 15:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.05 Mbit/s
95th percentile per-packet one-way delay: 56.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.22 Mbit/s
95th percentile per-packet one-way delay: 57.895 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.89 Mbit/s
95th percentile per-packet one-way delay: 53.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 54.446 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

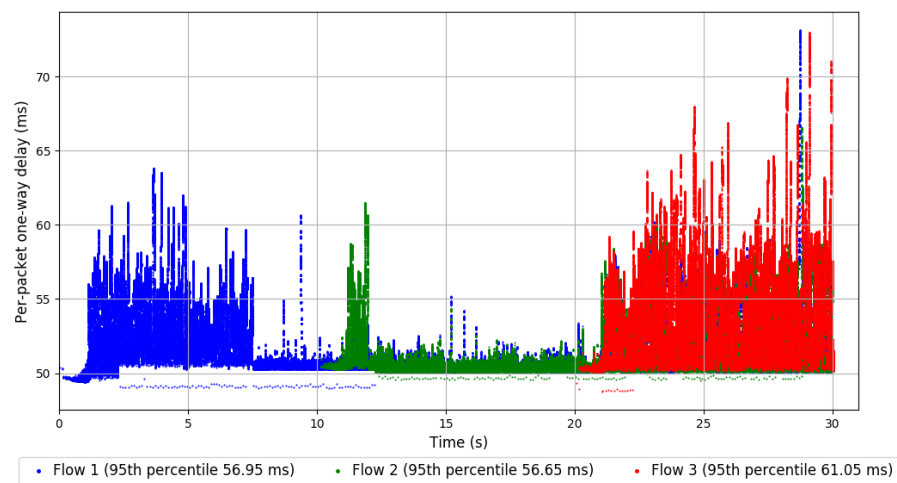
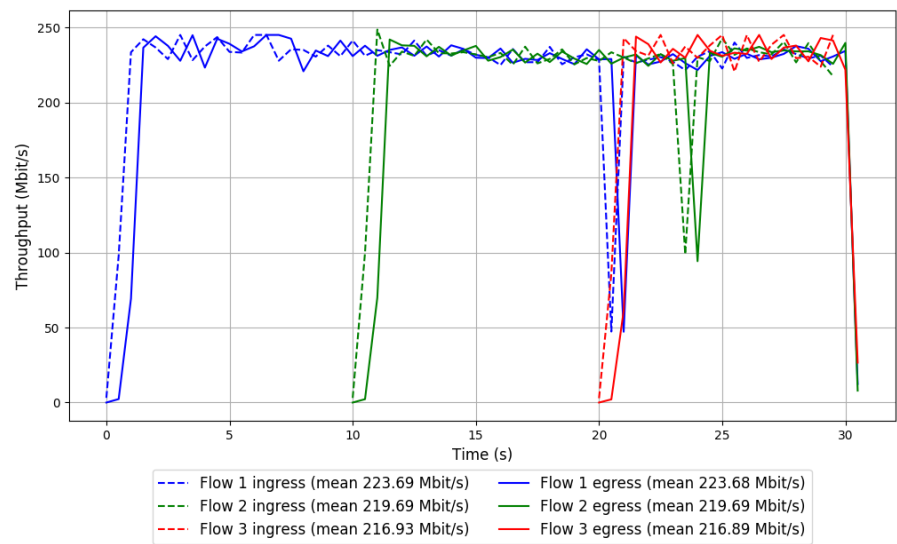


Run 2: Statistics of TCP BBR

Start at: 2018-08-03 11:21:46
End at: 2018-08-03 11:22:16
Local clock offset: 0.158 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-03 15:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.13 Mbit/s
95th percentile per-packet one-way delay: 57.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.68 Mbit/s
95th percentile per-packet one-way delay: 56.954 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 219.69 Mbit/s
95th percentile per-packet one-way delay: 56.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 216.89 Mbit/s
95th percentile per-packet one-way delay: 61.048 ms
Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-03 11:47:23

End at: 2018-08-03 11:47:53

Local clock offset: -0.016 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-08-03 15:21:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 434.31 Mbit/s

95th percentile per-packet one-way delay: 57.588 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 220.55 Mbit/s

95th percentile per-packet one-way delay: 56.293 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 215.85 Mbit/s

95th percentile per-packet one-way delay: 57.145 ms

Loss rate: 0.00%

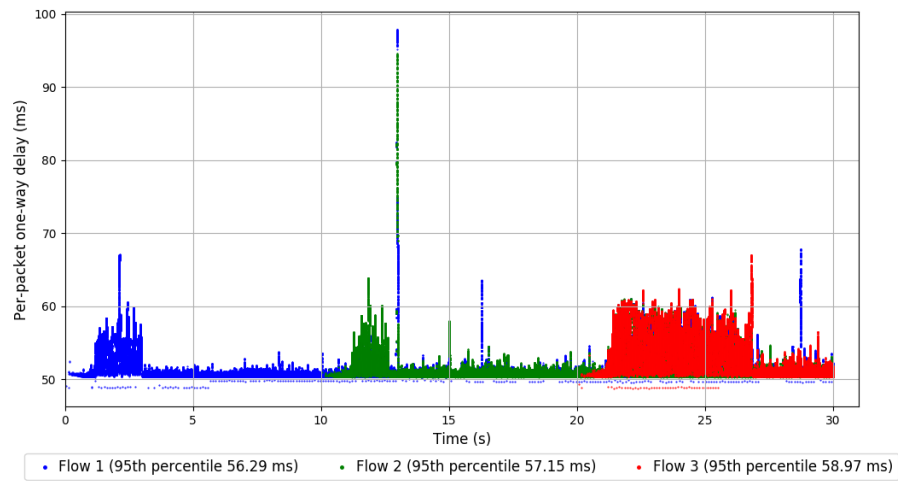
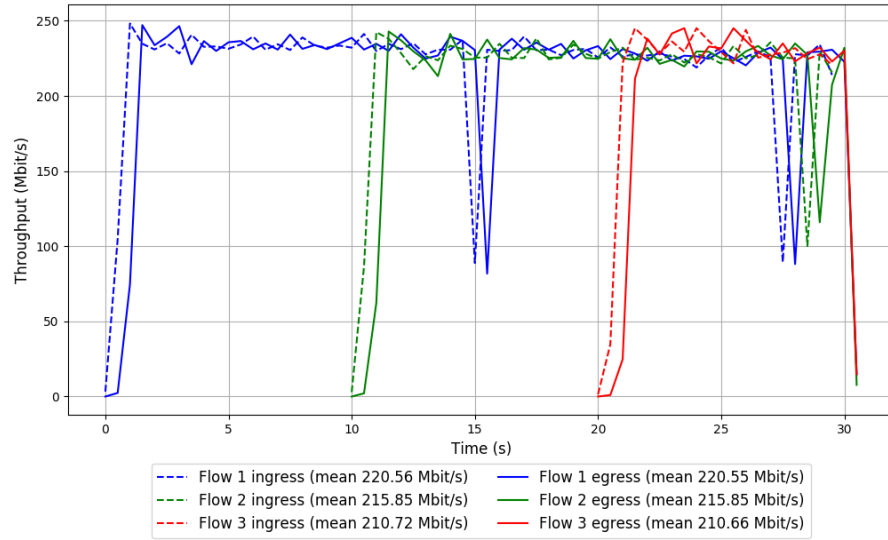
-- Flow 3:

Average throughput: 210.66 Mbit/s

95th percentile per-packet one-way delay: 58.973 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-03 12:12:48

End at: 2018-08-03 12:13:18

Local clock offset: -0.407 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-08-03 15:21:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.16 Mbit/s

95th percentile per-packet one-way delay: 57.491 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 224.17 Mbit/s

95th percentile per-packet one-way delay: 56.912 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 216.91 Mbit/s

95th percentile per-packet one-way delay: 57.364 ms

Loss rate: 0.00%

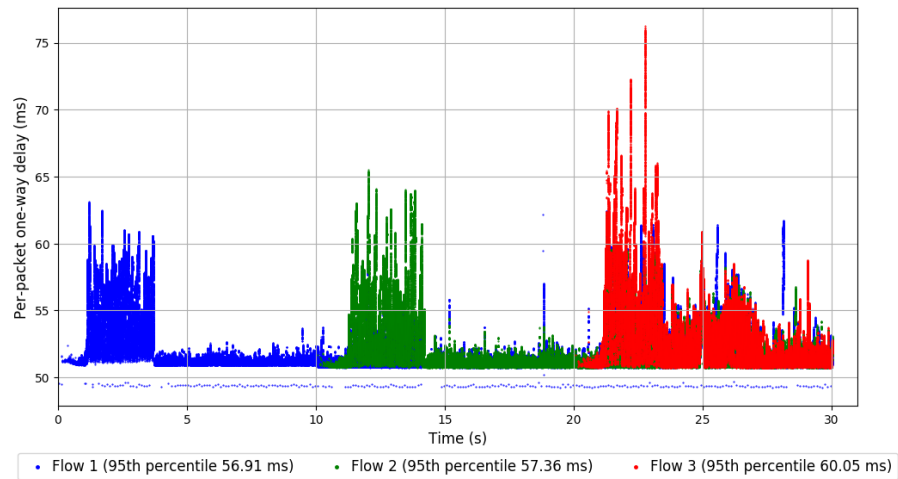
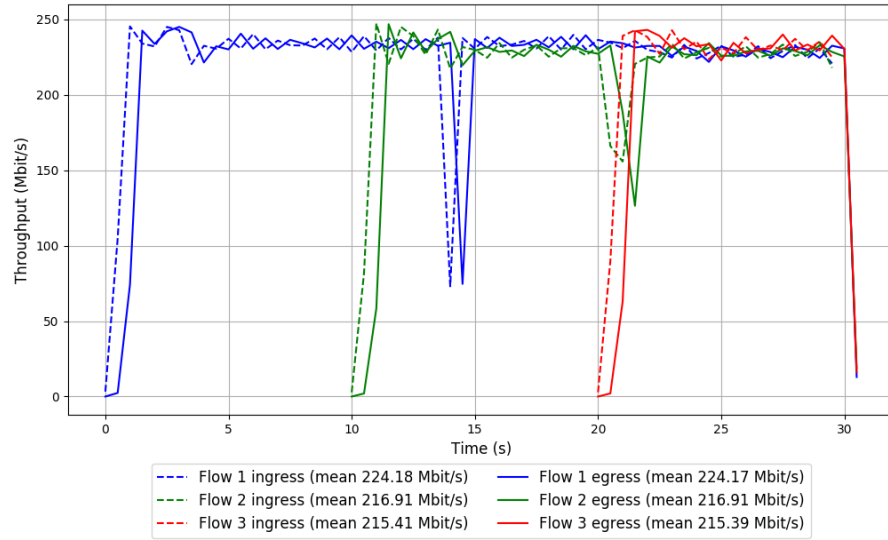
-- Flow 3:

Average throughput: 215.39 Mbit/s

95th percentile per-packet one-way delay: 60.054 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

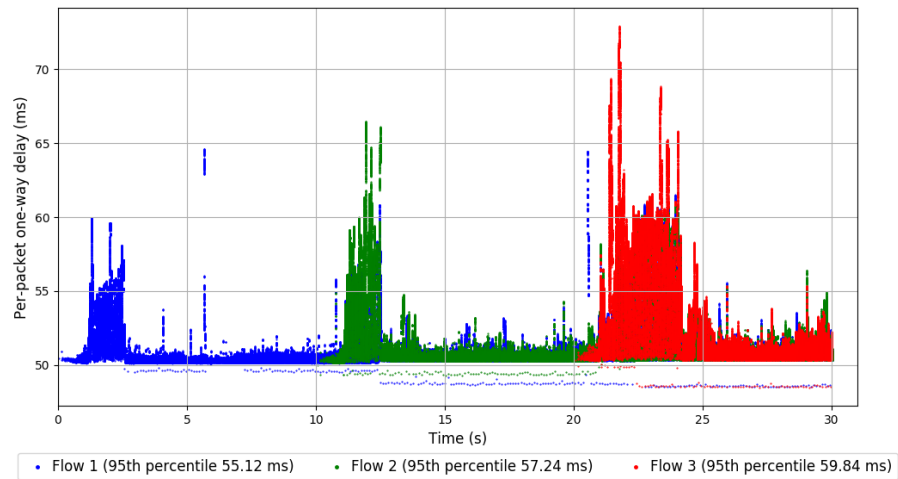
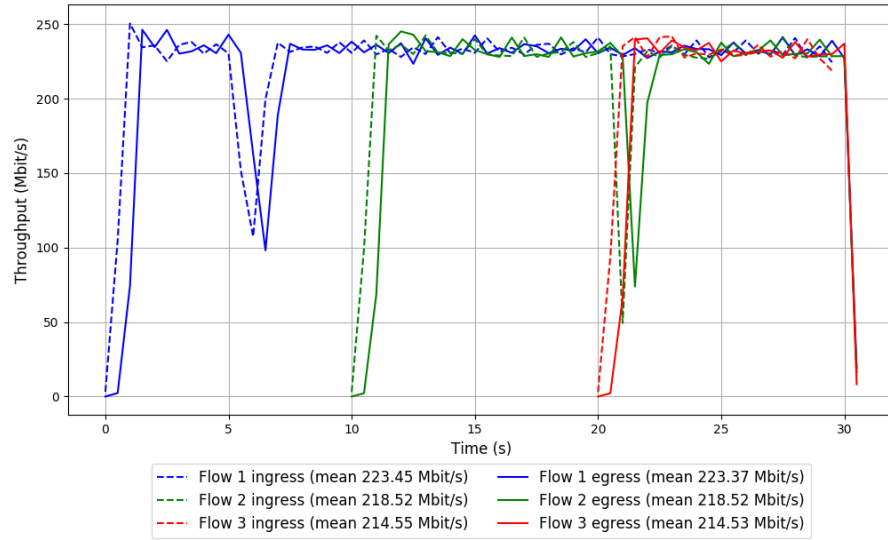


Run 5: Statistics of TCP BBR

Start at: 2018-08-03 12:38:16
End at: 2018-08-03 12:38:46
Local clock offset: 0.36 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-03 15:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.15 Mbit/s
95th percentile per-packet one-way delay: 57.403 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 223.37 Mbit/s
95th percentile per-packet one-way delay: 55.124 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 218.52 Mbit/s
95th percentile per-packet one-way delay: 57.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.53 Mbit/s
95th percentile per-packet one-way delay: 59.844 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

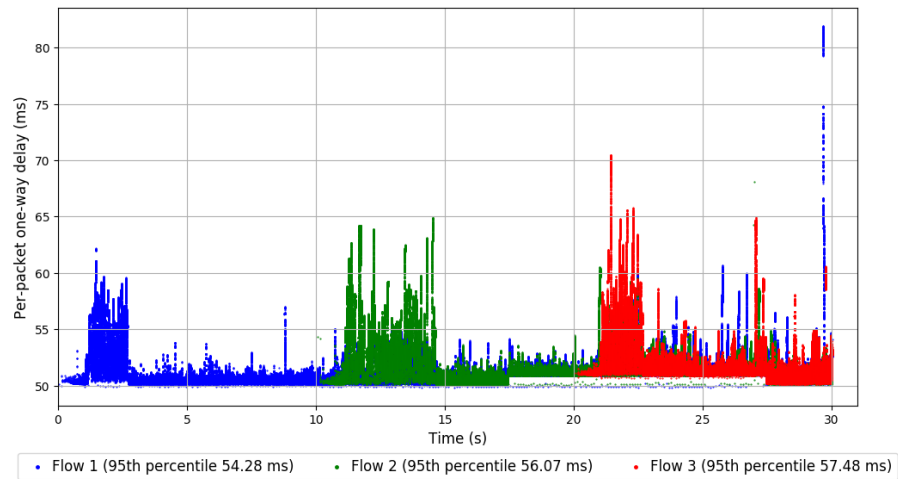
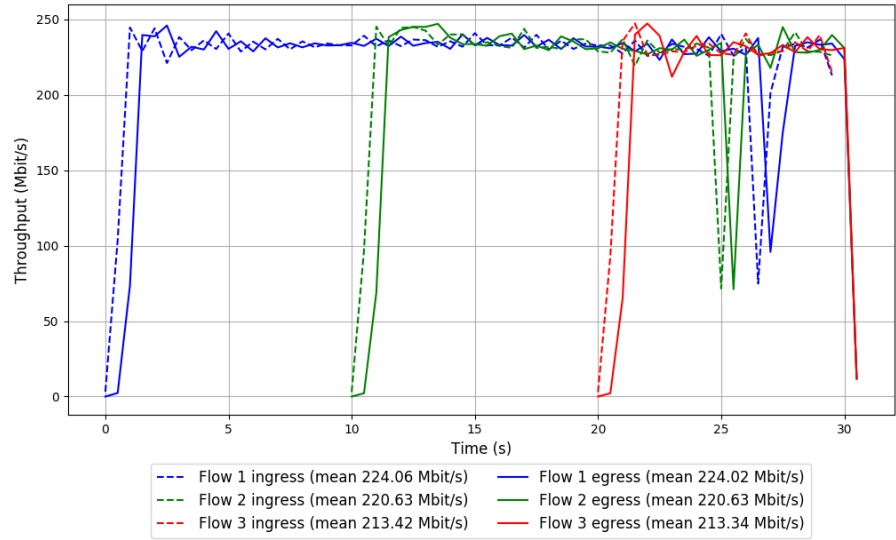


Run 6: Statistics of TCP BBR

Start at: 2018-08-03 13:03:51
End at: 2018-08-03 13:04:21
Local clock offset: -0.323 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-03 15:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.80 Mbit/s
95th percentile per-packet one-way delay: 55.601 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 54.278 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 220.63 Mbit/s
95th percentile per-packet one-way delay: 56.071 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 213.34 Mbit/s
95th percentile per-packet one-way delay: 57.477 ms
Loss rate: 0.05%

Run 6: Report of TCP BBR — Data Link

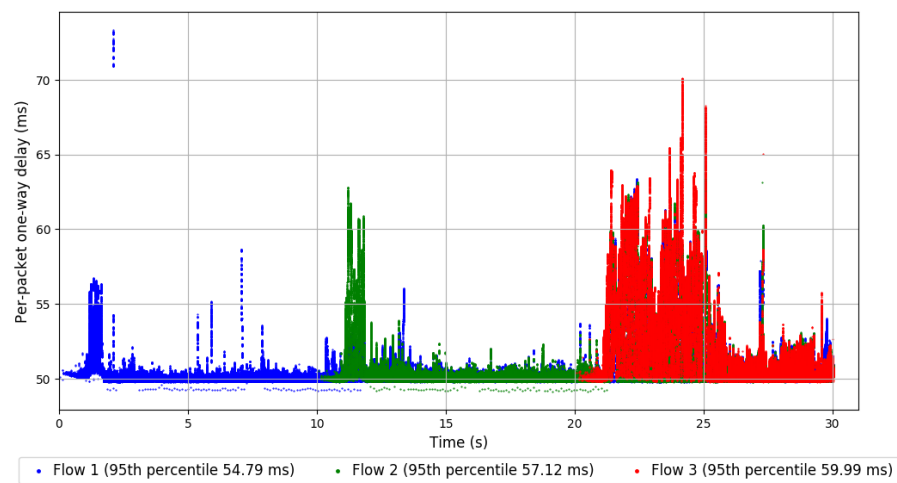
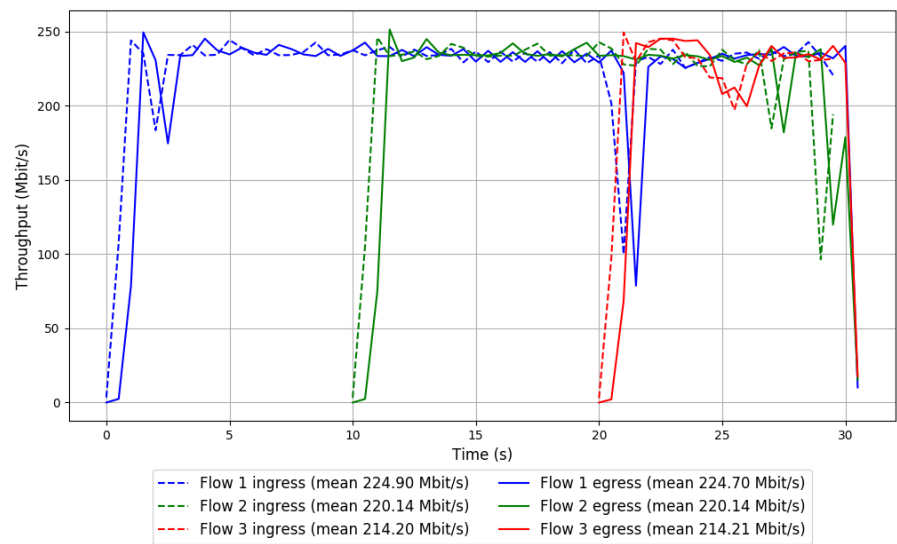


Run 7: Statistics of TCP BBR

Start at: 2018-08-03 13:29:36
End at: 2018-08-03 13:30:06
Local clock offset: -0.255 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-03 15:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.51 Mbit/s
95th percentile per-packet one-way delay: 57.171 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 224.70 Mbit/s
95th percentile per-packet one-way delay: 54.788 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 220.14 Mbit/s
95th percentile per-packet one-way delay: 57.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.21 Mbit/s
95th percentile per-packet one-way delay: 59.993 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

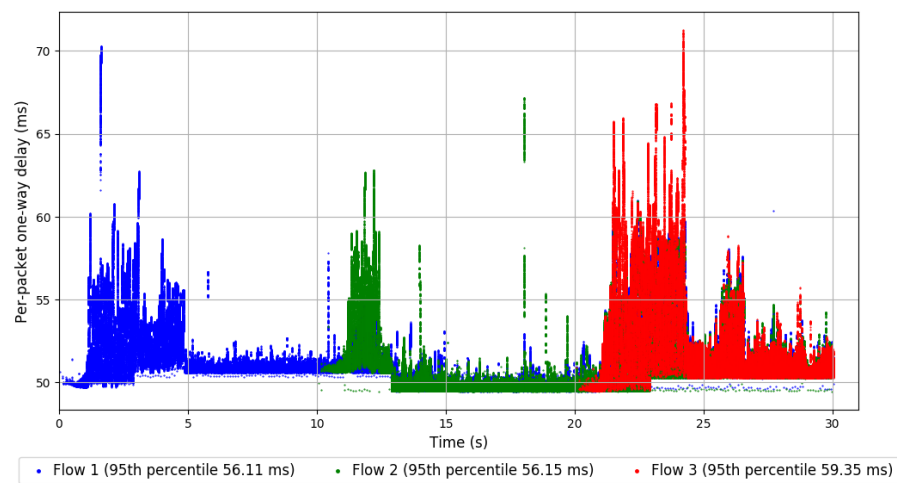
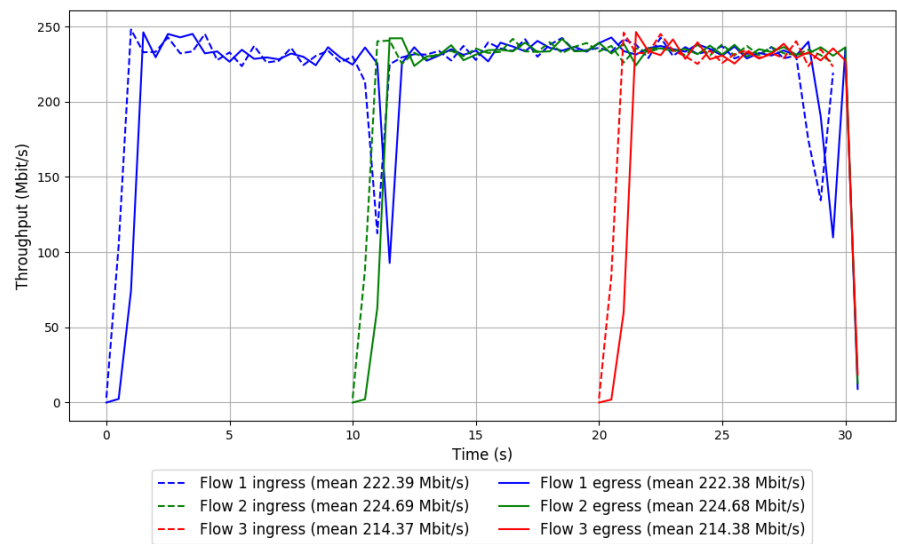


Run 8: Statistics of TCP BBR

Start at: 2018-08-03 13:55:05
End at: 2018-08-03 13:55:35
Local clock offset: 0.001 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-03 15:21:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.27 Mbit/s
95th percentile per-packet one-way delay: 56.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.38 Mbit/s
95th percentile per-packet one-way delay: 56.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 224.68 Mbit/s
95th percentile per-packet one-way delay: 56.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.38 Mbit/s
95th percentile per-packet one-way delay: 59.351 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

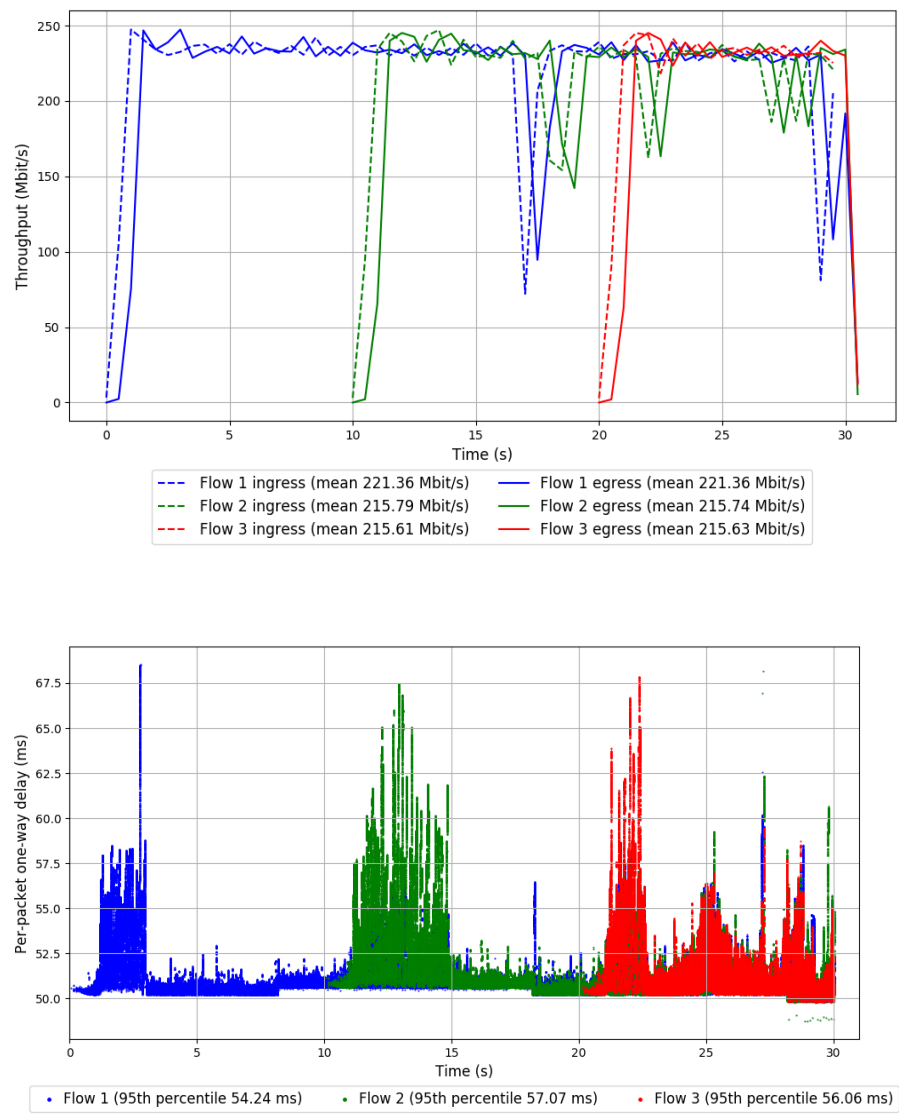


Run 9: Statistics of TCP BBR

Start at: 2018-08-03 14:20:20
End at: 2018-08-03 14:20:50
Local clock offset: 0.063 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-03 15:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.67 Mbit/s
95th percentile per-packet one-way delay: 55.534 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 221.36 Mbit/s
95th percentile per-packet one-way delay: 54.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 215.74 Mbit/s
95th percentile per-packet one-way delay: 57.066 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 215.63 Mbit/s
95th percentile per-packet one-way delay: 56.058 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-03 14:45:43

End at: 2018-08-03 14:46:13

Local clock offset: 0.044 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-08-03 15:28:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 436.84 Mbit/s

95th percentile per-packet one-way delay: 57.741 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 222.10 Mbit/s

95th percentile per-packet one-way delay: 56.740 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 216.58 Mbit/s

95th percentile per-packet one-way delay: 57.394 ms

Loss rate: 0.00%

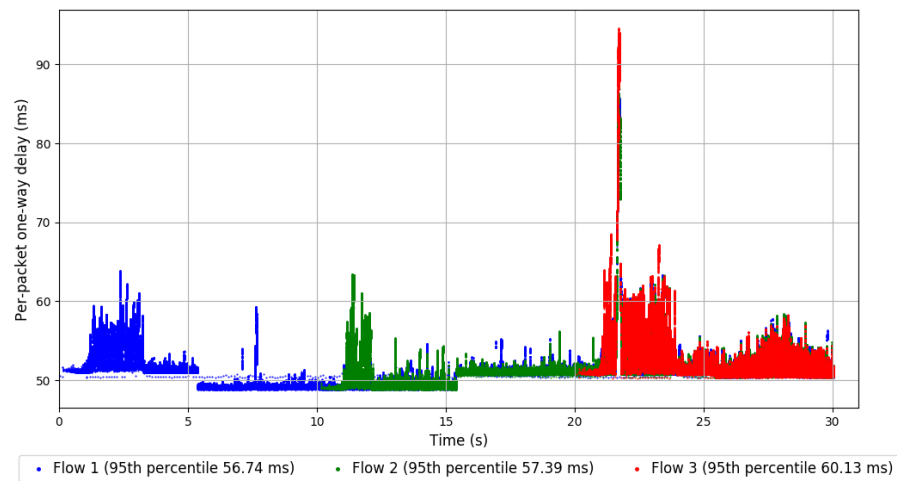
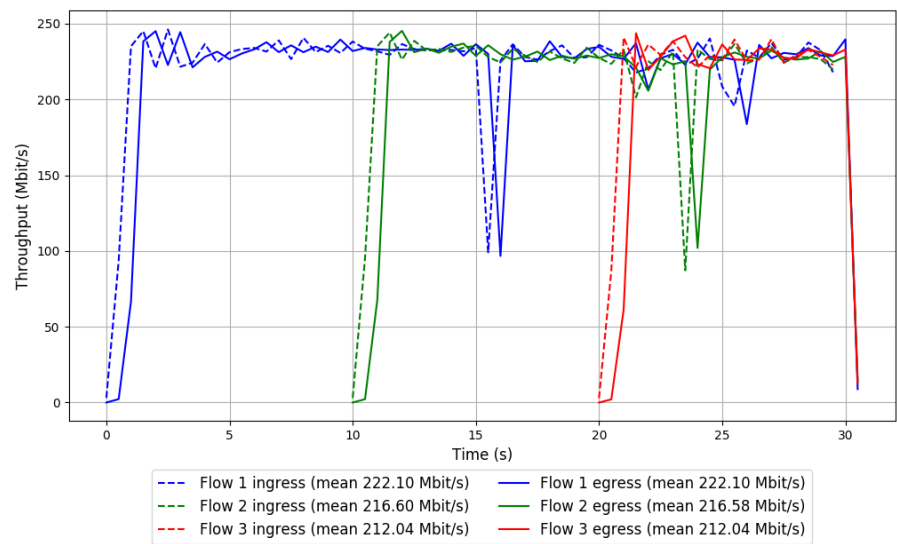
-- Flow 3:

Average throughput: 212.04 Mbit/s

95th percentile per-packet one-way delay: 60.126 ms

Loss rate: 0.01%

Run 10: Report of TCP BBR — Data Link

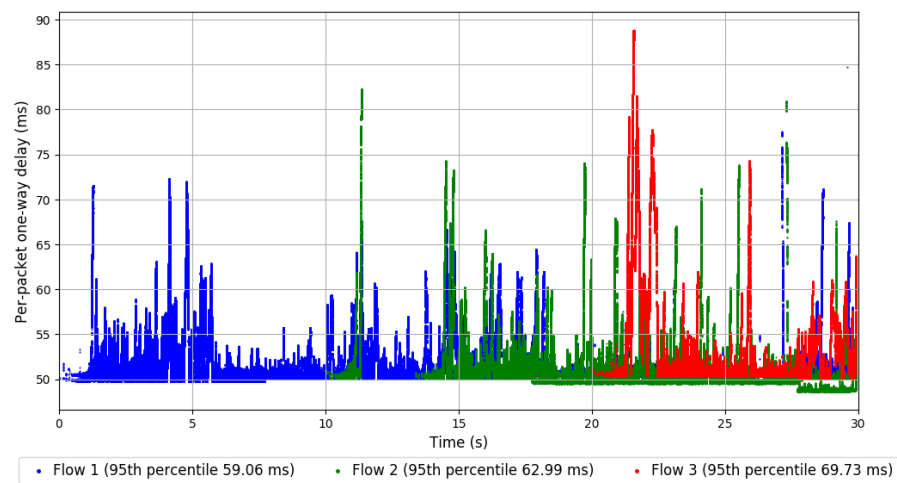
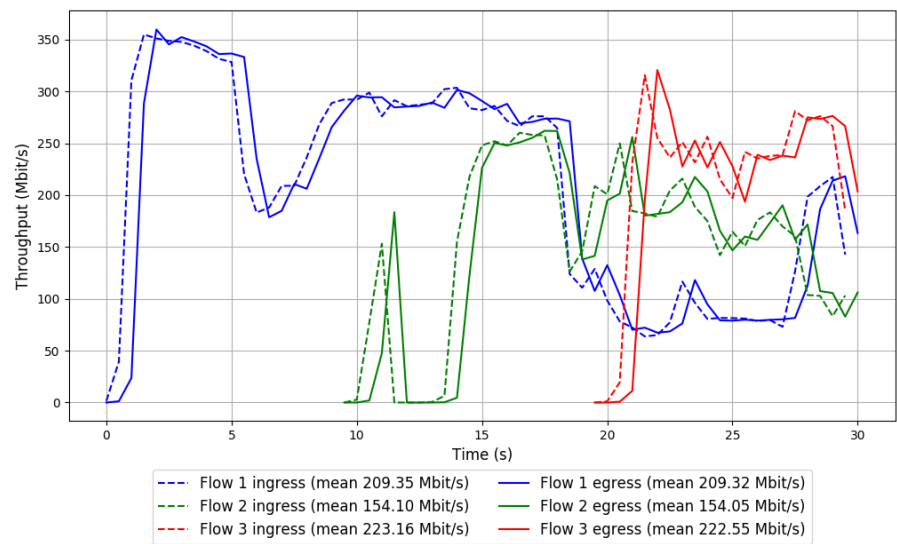


Run 1: Statistics of Copa

Start at: 2018-08-03 10:48:40
End at: 2018-08-03 10:49:10
Local clock offset: 0.124 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-03 15:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.50 Mbit/s
95th percentile per-packet one-way delay: 61.251 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 209.32 Mbit/s
95th percentile per-packet one-way delay: 59.062 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 154.05 Mbit/s
95th percentile per-packet one-way delay: 62.991 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 222.55 Mbit/s
95th percentile per-packet one-way delay: 69.734 ms
Loss rate: 0.28%

Run 1: Report of Copa — Data Link

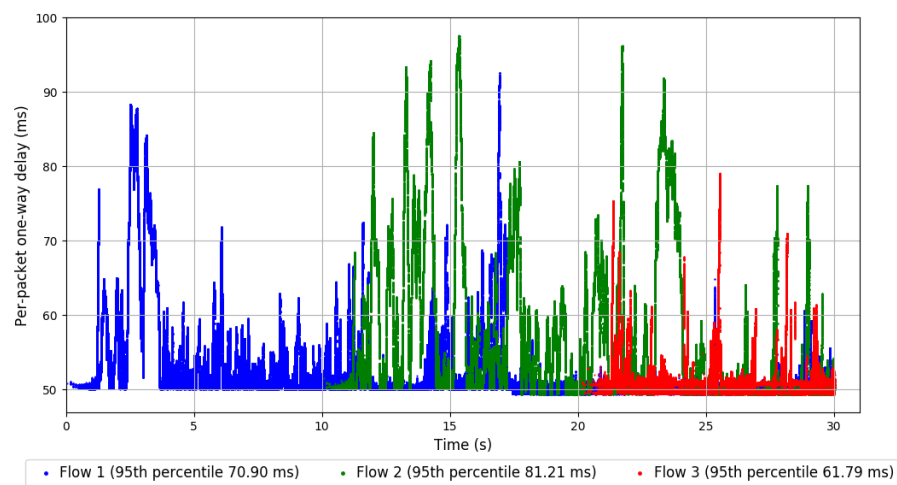
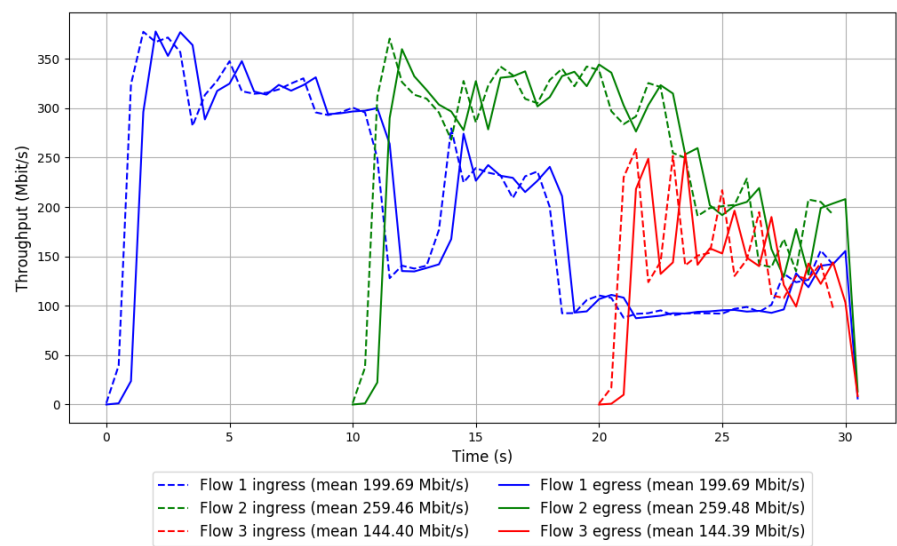


Run 2: Statistics of Copa

Start at: 2018-08-03 11:14:11
End at: 2018-08-03 11:14:41
Local clock offset: 0.159 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-03 15:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.47 Mbit/s
95th percentile per-packet one-way delay: 75.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.69 Mbit/s
95th percentile per-packet one-way delay: 70.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 259.48 Mbit/s
95th percentile per-packet one-way delay: 81.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.39 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-03 11:39:47

End at: 2018-08-03 11:40:17

Local clock offset: -0.022 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-03 15:35:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.27 Mbit/s

95th percentile per-packet one-way delay: 58.896 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 212.25 Mbit/s

95th percentile per-packet one-way delay: 60.019 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 202.14 Mbit/s

95th percentile per-packet one-way delay: 57.841 ms

Loss rate: 0.05%

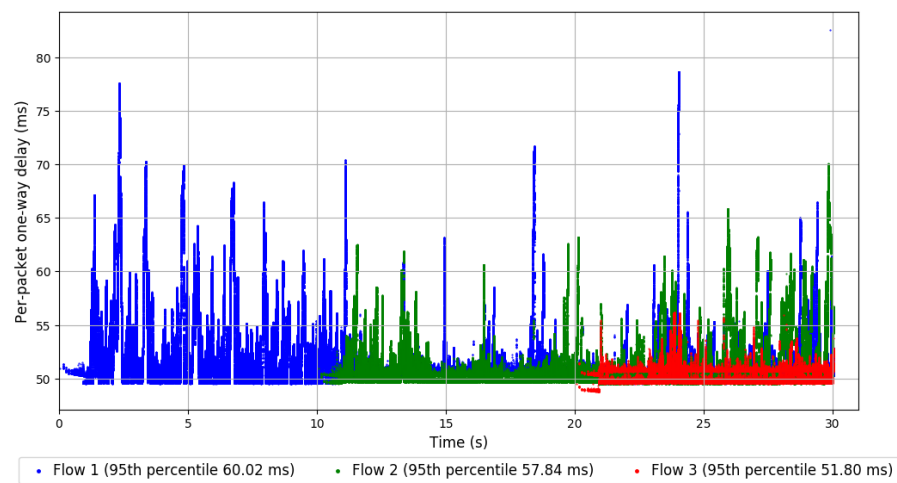
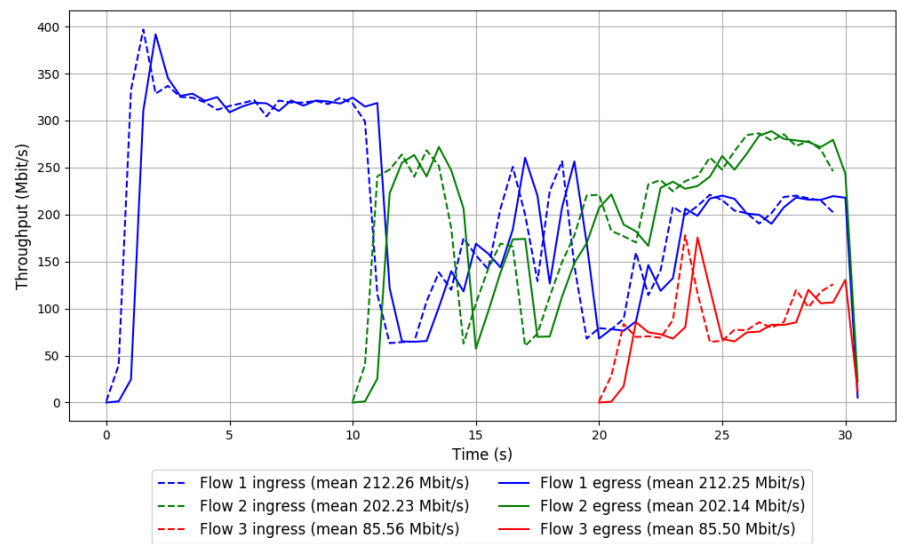
-- Flow 3:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 51.799 ms

Loss rate: 0.03%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-08-03 12:05:20

End at: 2018-08-03 12:05:50

Local clock offset: -0.007 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-08-03 15:35:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 435.60 Mbit/s

95th percentile per-packet one-way delay: 65.001 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 261.77 Mbit/s

95th percentile per-packet one-way delay: 66.458 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 185.34 Mbit/s

95th percentile per-packet one-way delay: 62.114 ms

Loss rate: 0.02%

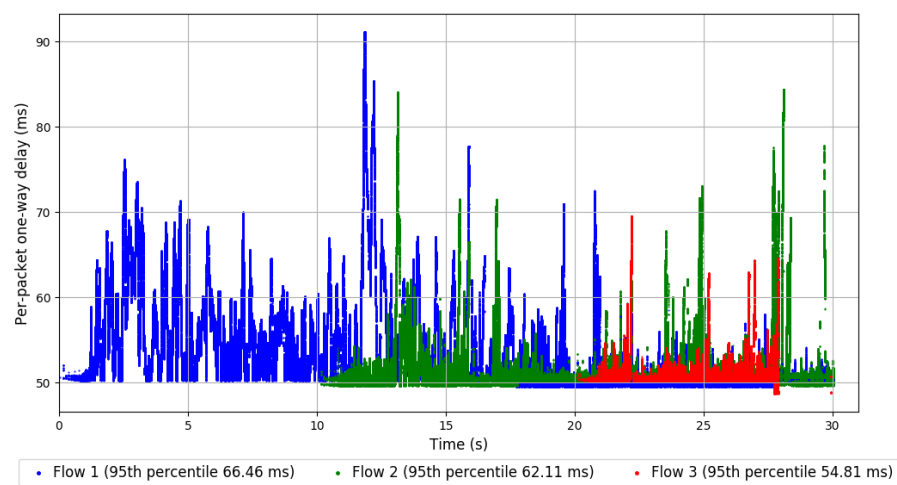
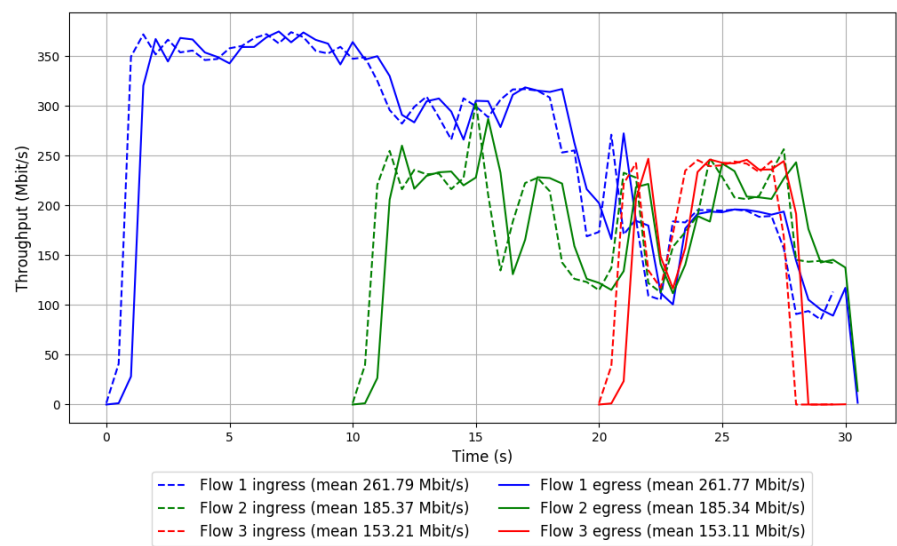
-- Flow 3:

Average throughput: 153.11 Mbit/s

95th percentile per-packet one-way delay: 54.811 ms

Loss rate: 0.06%

Run 4: Report of Copa — Data Link

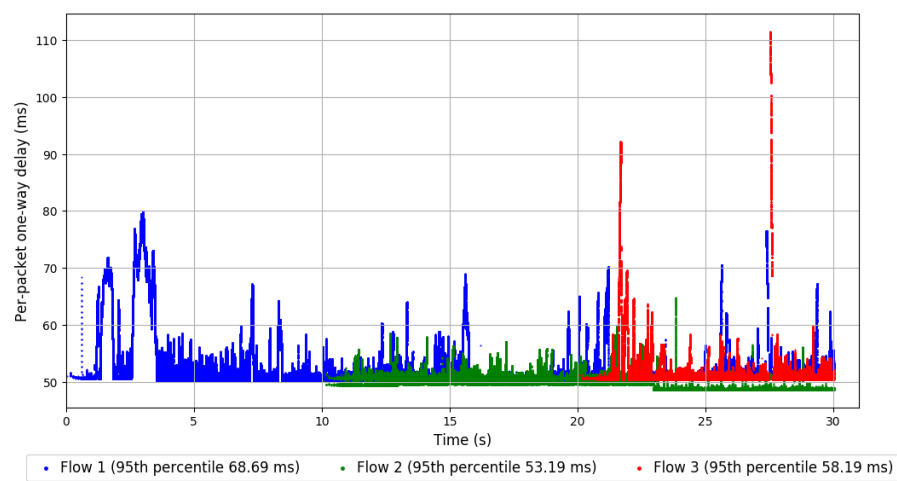
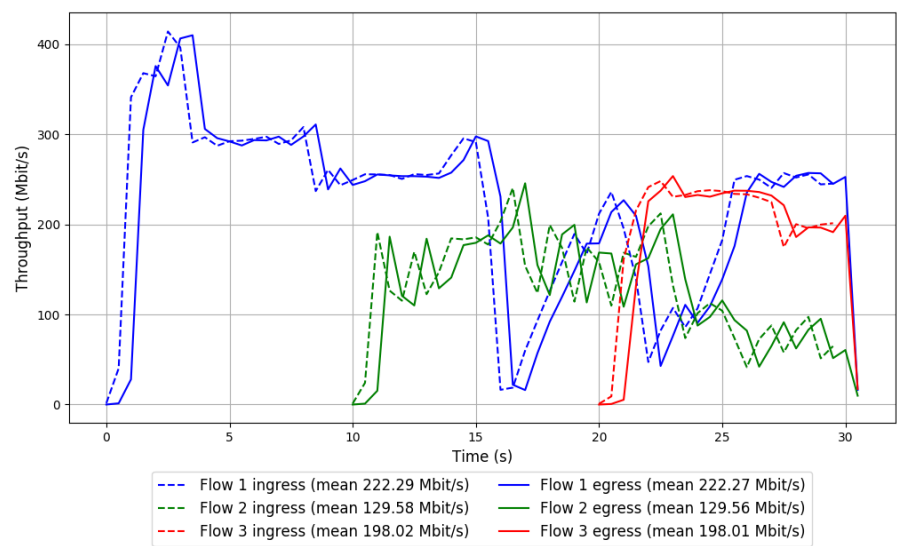


Run 5: Statistics of Copa

Start at: 2018-08-03 12:30:45
End at: 2018-08-03 12:31:15
Local clock offset: -0.025 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-03 15:35:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.34 Mbit/s
95th percentile per-packet one-way delay: 65.201 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 222.27 Mbit/s
95th percentile per-packet one-way delay: 68.693 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 129.56 Mbit/s
95th percentile per-packet one-way delay: 53.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.01 Mbit/s
95th percentile per-packet one-way delay: 58.194 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

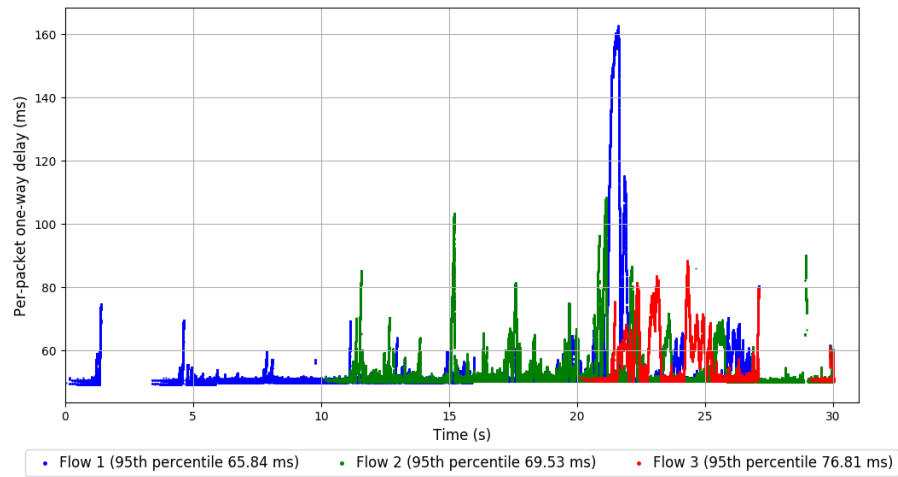
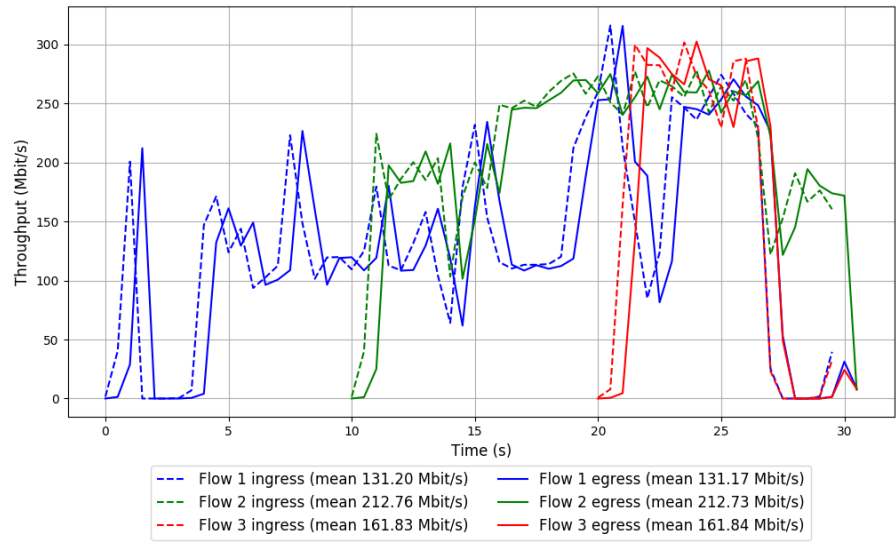


Run 6: Statistics of Copa

Start at: 2018-08-03 12:56:22
End at: 2018-08-03 12:56:52
Local clock offset: -0.278 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-03 15:35:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.53 Mbit/s
95th percentile per-packet one-way delay: 70.512 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 131.17 Mbit/s
95th percentile per-packet one-way delay: 65.837 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 212.73 Mbit/s
95th percentile per-packet one-way delay: 69.533 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 161.84 Mbit/s
95th percentile per-packet one-way delay: 76.815 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

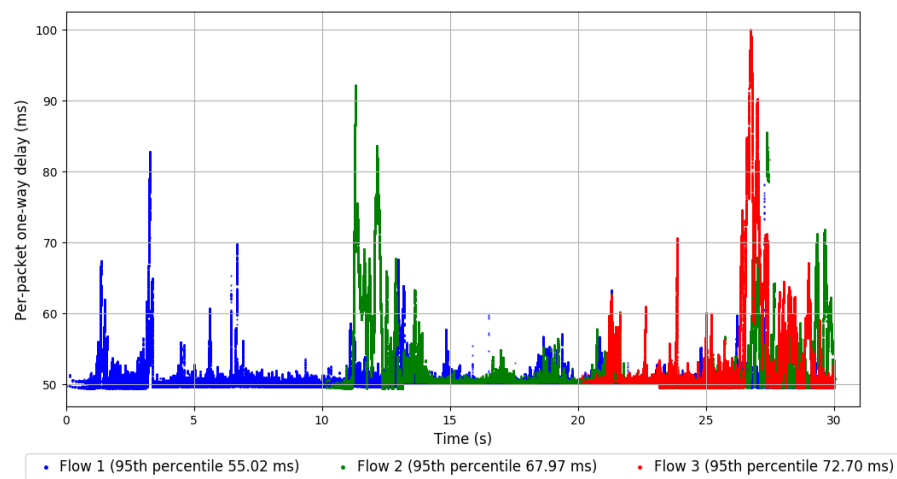
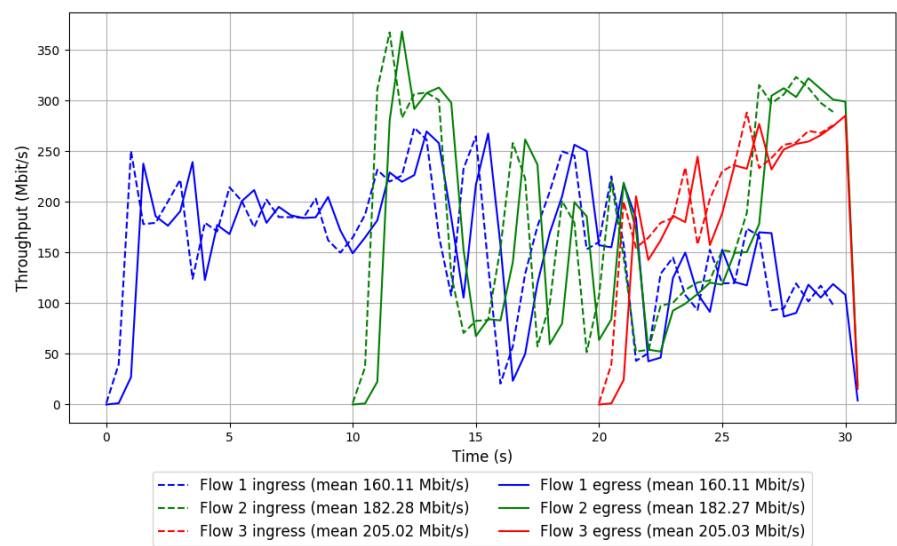


Run 7: Statistics of Copa

Start at: 2018-08-03 13:22:05
End at: 2018-08-03 13:22:35
Local clock offset: 0.081 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-03 15:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.54 Mbit/s
95th percentile per-packet one-way delay: 64.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.11 Mbit/s
95th percentile per-packet one-way delay: 55.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.27 Mbit/s
95th percentile per-packet one-way delay: 67.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 205.03 Mbit/s
95th percentile per-packet one-way delay: 72.705 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

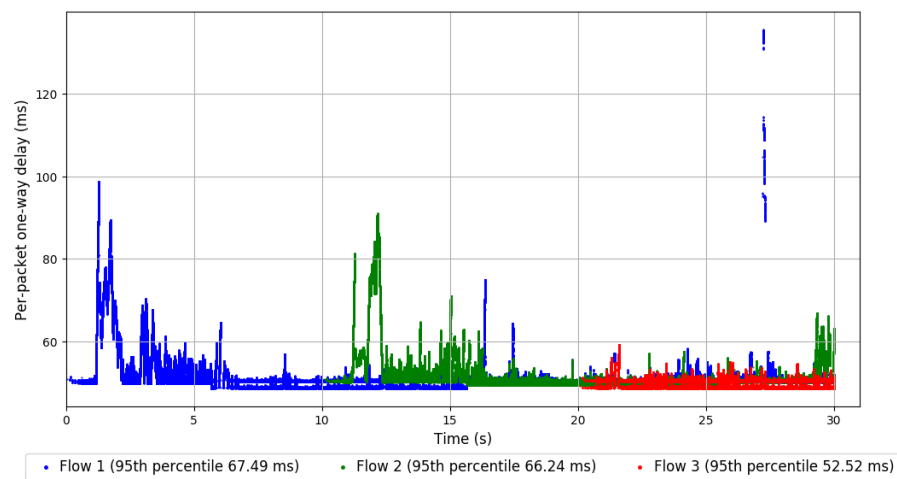
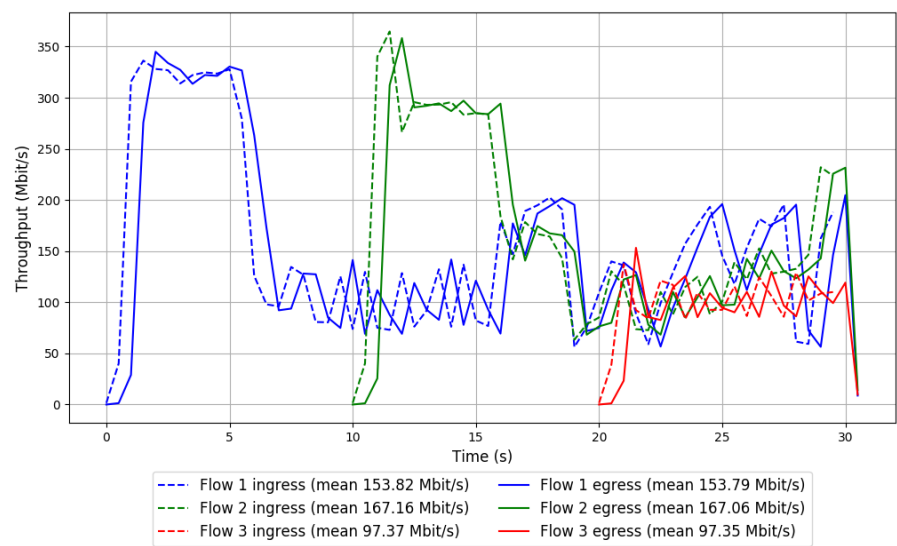


Run 8: Statistics of Copa

Start at: 2018-08-03 13:47:42
End at: 2018-08-03 13:48:12
Local clock offset: 0.091 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-08-03 15:41:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.37 Mbit/s
95th percentile per-packet one-way delay: 65.893 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 153.79 Mbit/s
95th percentile per-packet one-way delay: 67.489 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 167.06 Mbit/s
95th percentile per-packet one-way delay: 66.244 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 52.522 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

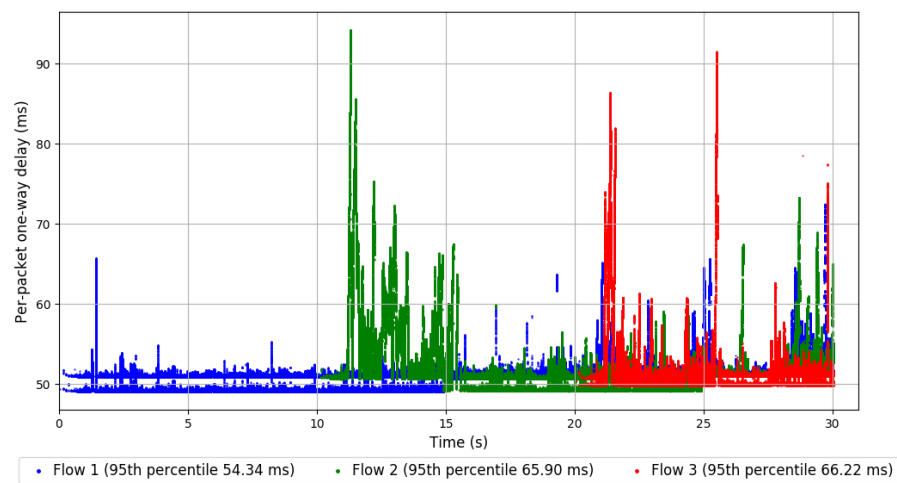
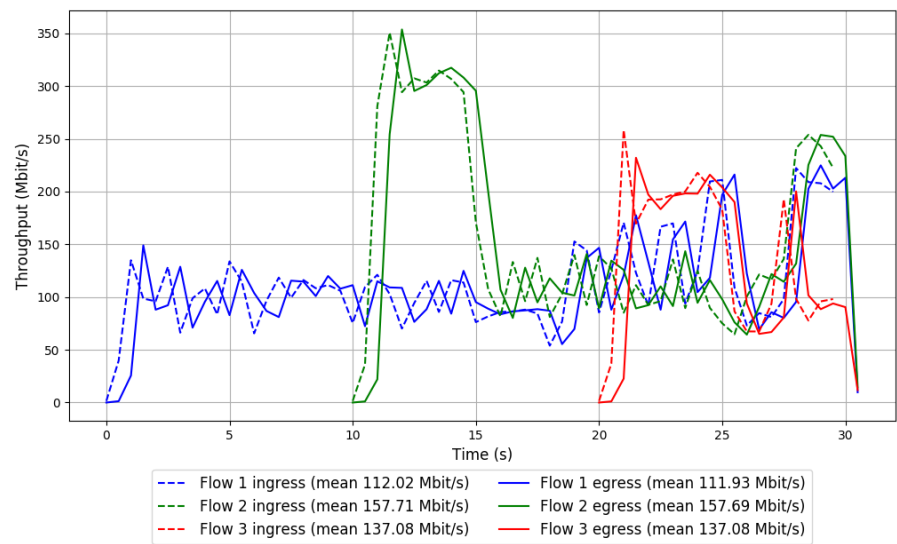


Run 9: Statistics of Copa

Start at: 2018-08-03 14:13:03
End at: 2018-08-03 14:13:33
Local clock offset: -0.315 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-03 15:41:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.47 Mbit/s
95th percentile per-packet one-way delay: 62.892 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 54.337 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 157.69 Mbit/s
95th percentile per-packet one-way delay: 65.896 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 137.08 Mbit/s
95th percentile per-packet one-way delay: 66.223 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

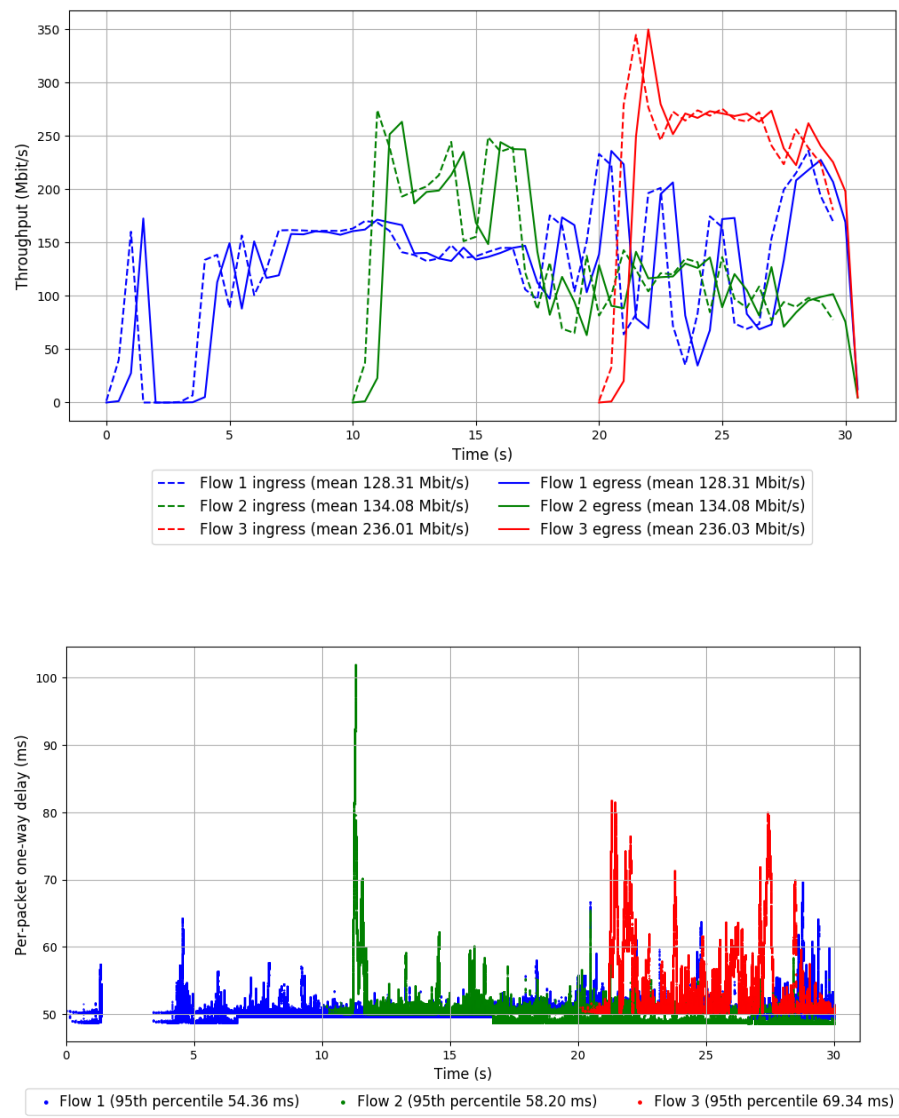


Run 10: Statistics of Copa

Start at: 2018-08-03 14:38:21
End at: 2018-08-03 14:38:51
Local clock offset: 0.072 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-03 15:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.02 Mbit/s
95th percentile per-packet one-way delay: 61.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.31 Mbit/s
95th percentile per-packet one-way delay: 54.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.08 Mbit/s
95th percentile per-packet one-way delay: 58.198 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 236.03 Mbit/s
95th percentile per-packet one-way delay: 69.341 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

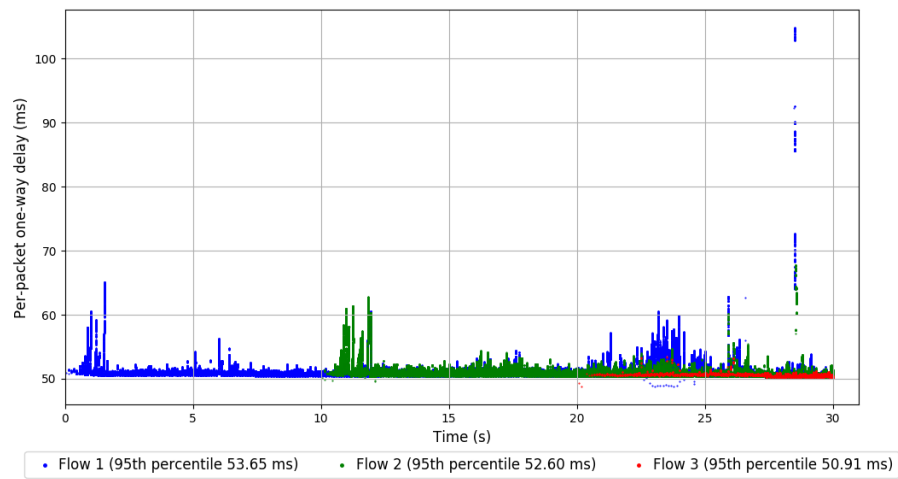
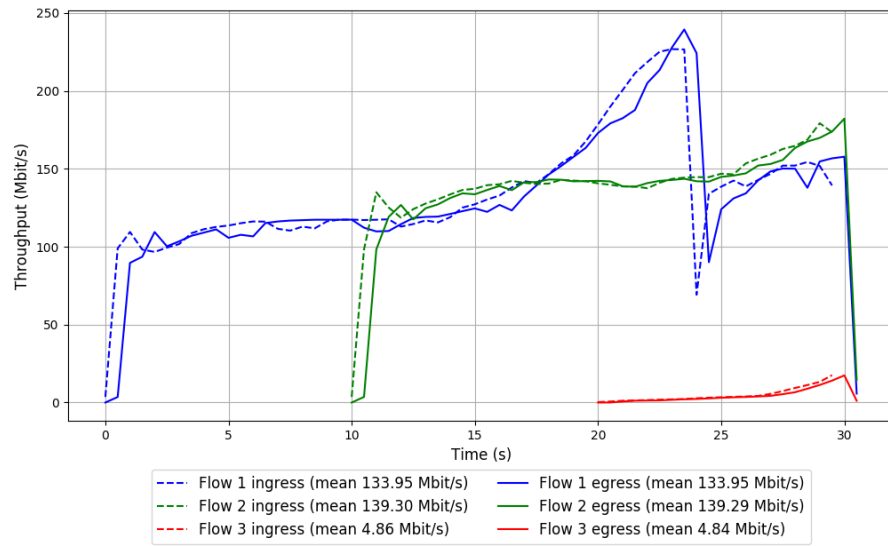


Run 1: Statistics of TCP Cubic

Start at: 2018-08-03 10:59:21
End at: 2018-08-03 10:59:51
Local clock offset: 0.1 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-08-03 15:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.38 Mbit/s
95th percentile per-packet one-way delay: 53.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.95 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.29 Mbit/s
95th percentile per-packet one-way delay: 52.602 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 50.912 ms
Loss rate: 0.25%

Run 1: Report of TCP Cubic — Data Link

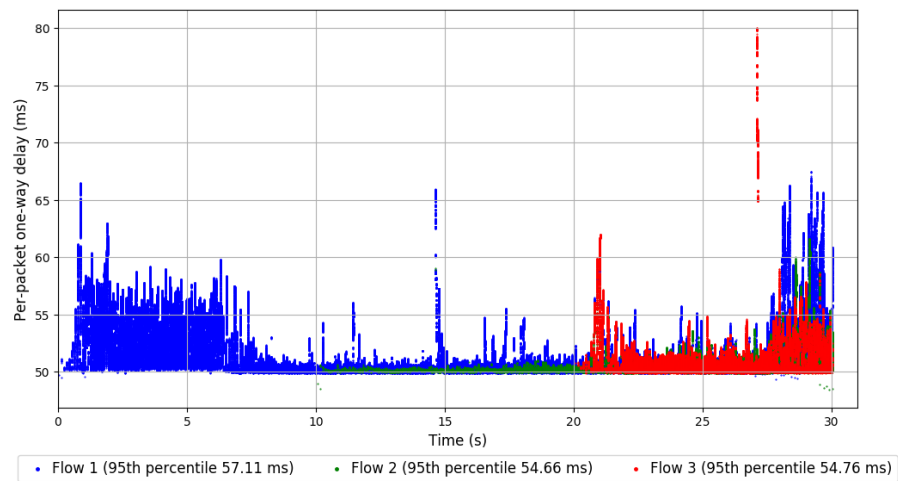
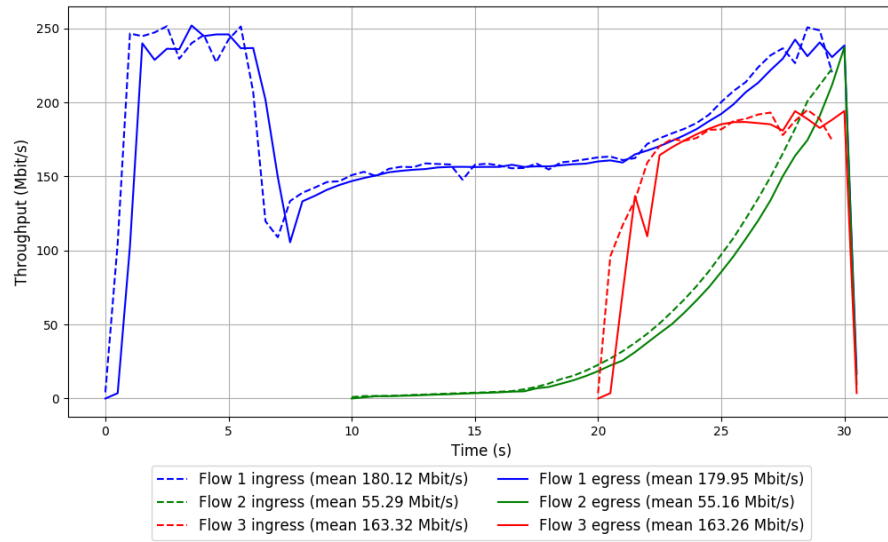


Run 2: Statistics of TCP Cubic

Start at: 2018-08-03 11:24:54
End at: 2018-08-03 11:25:24
Local clock offset: 0.548 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-08-03 15:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.93 Mbit/s
95th percentile per-packet one-way delay: 56.600 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 179.95 Mbit/s
95th percentile per-packet one-way delay: 57.110 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 54.655 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 163.26 Mbit/s
95th percentile per-packet one-way delay: 54.764 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-03 11:50:25

End at: 2018-08-03 11:50:55

Local clock offset: 0.359 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-08-03 15:44:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.78 Mbit/s

95th percentile per-packet one-way delay: 55.626 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 149.42 Mbit/s

95th percentile per-packet one-way delay: 54.679 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 53.737 ms

Loss rate: 0.01%

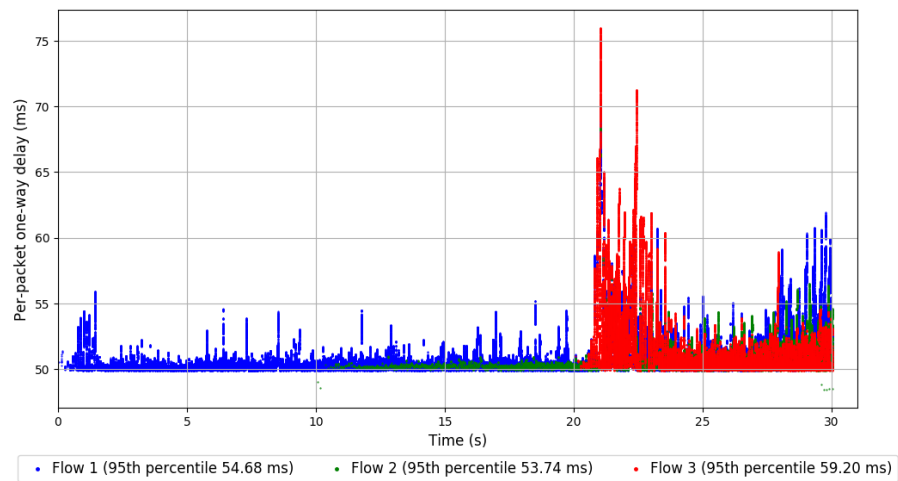
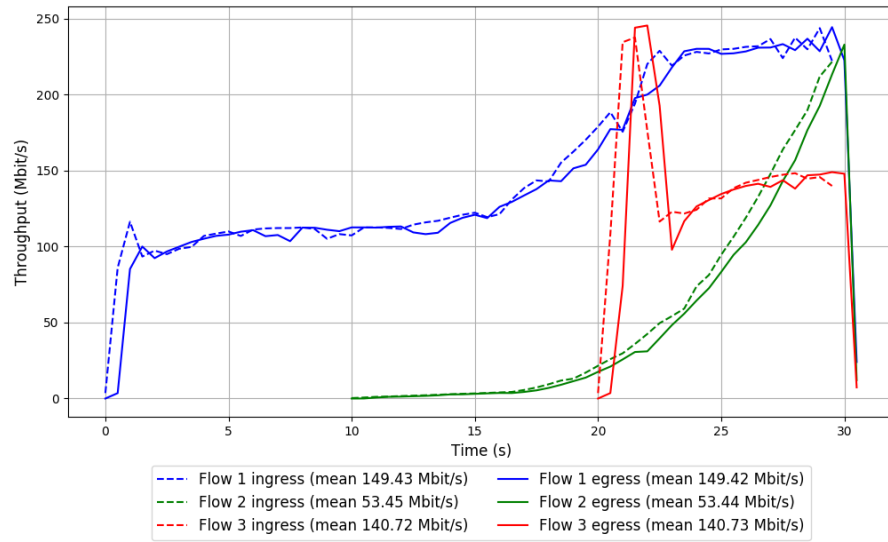
-- Flow 3:

Average throughput: 140.73 Mbit/s

95th percentile per-packet one-way delay: 59.205 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

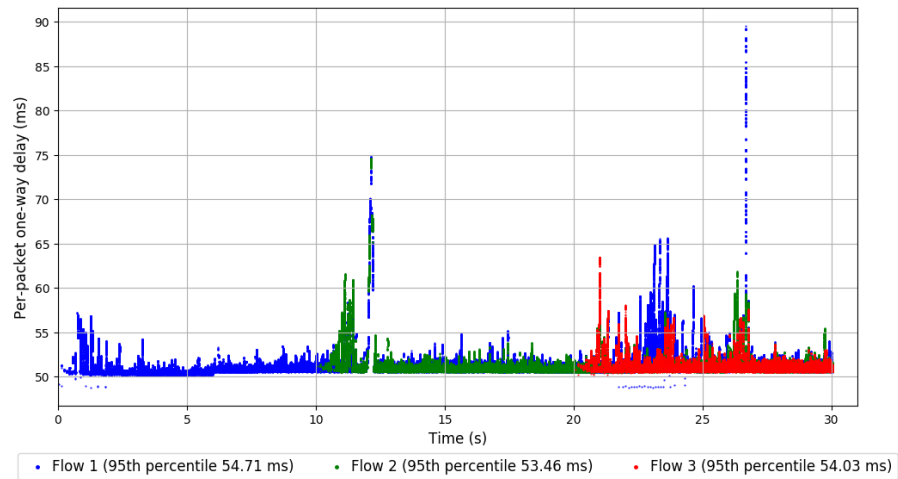
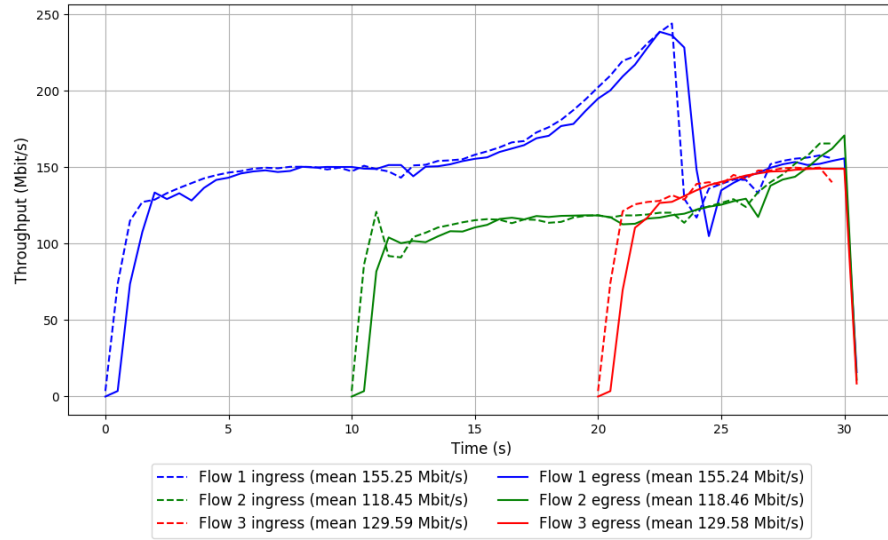


Run 4: Statistics of TCP Cubic

Start at: 2018-08-03 12:15:52
End at: 2018-08-03 12:16:22
Local clock offset: 0.004 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-03 15:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.20 Mbit/s
95th percentile per-packet one-way delay: 54.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.24 Mbit/s
95th percentile per-packet one-way delay: 54.712 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.46 Mbit/s
95th percentile per-packet one-way delay: 53.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.58 Mbit/s
95th percentile per-packet one-way delay: 54.030 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

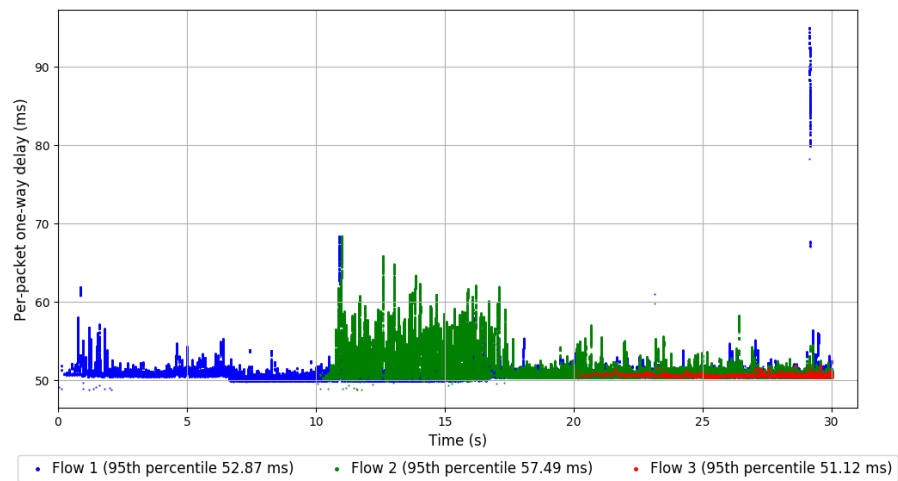
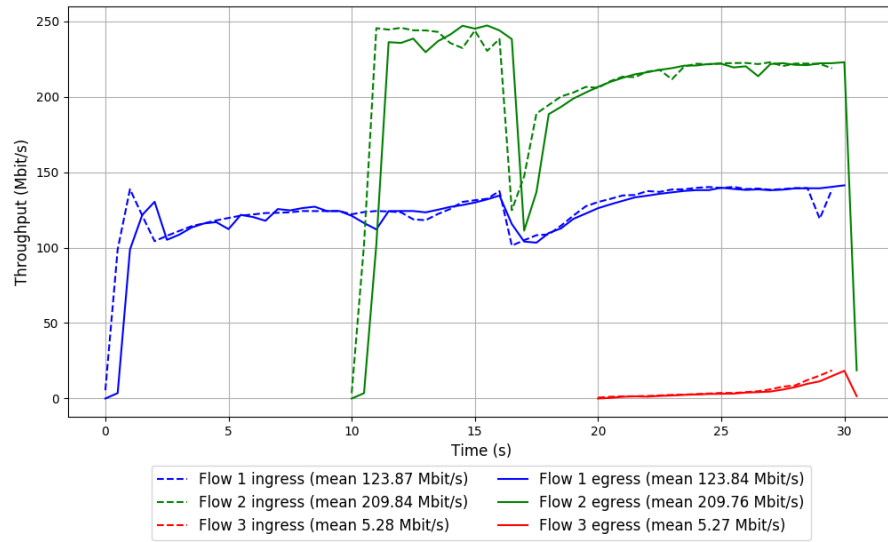


Run 5: Statistics of TCP Cubic

Start at: 2018-08-03 12:41:21
End at: 2018-08-03 12:41:51
Local clock offset: 0.035 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-03 15:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.15 Mbit/s
95th percentile per-packet one-way delay: 56.270 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 123.84 Mbit/s
95th percentile per-packet one-way delay: 52.865 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 209.76 Mbit/s
95th percentile per-packet one-way delay: 57.489 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 51.120 ms
Loss rate: 0.18%

Run 5: Report of TCP Cubic — Data Link

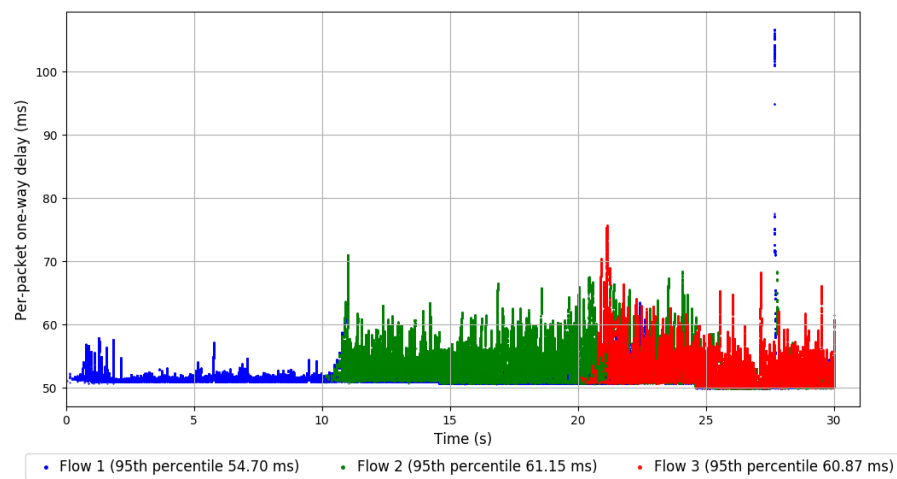
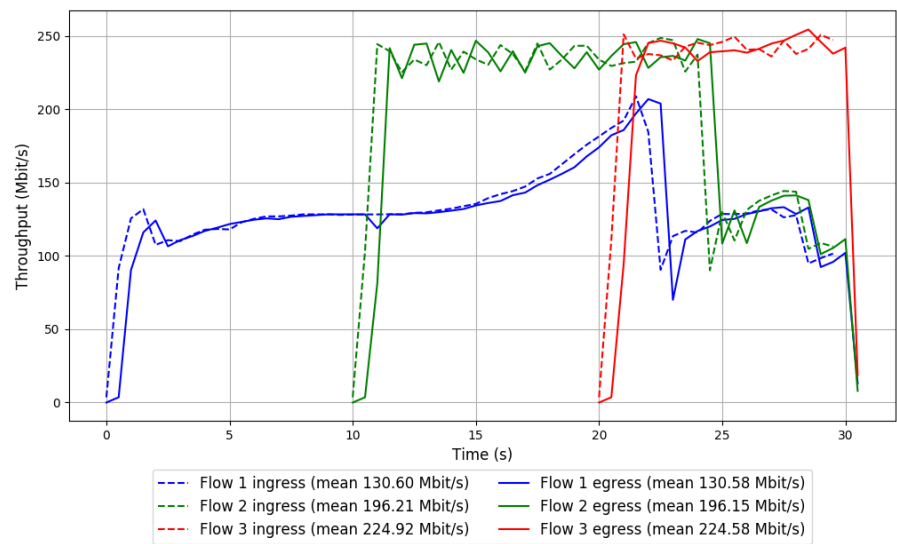


Run 6: Statistics of TCP Cubic

Start at: 2018-08-03 13:06:54
End at: 2018-08-03 13:07:24
Local clock offset: -0.29 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-03 15:45:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.86 Mbit/s
95th percentile per-packet one-way delay: 59.889 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 54.701 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 196.15 Mbit/s
95th percentile per-packet one-way delay: 61.151 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 224.58 Mbit/s
95th percentile per-packet one-way delay: 60.870 ms
Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-03 13:32:39

End at: 2018-08-03 13:33:09

Local clock offset: -0.236 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-03 15:45:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.21 Mbit/s

95th percentile per-packet one-way delay: 58.288 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 154.83 Mbit/s

95th percentile per-packet one-way delay: 59.922 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 124.67 Mbit/s

95th percentile per-packet one-way delay: 55.083 ms

Loss rate: 0.01%

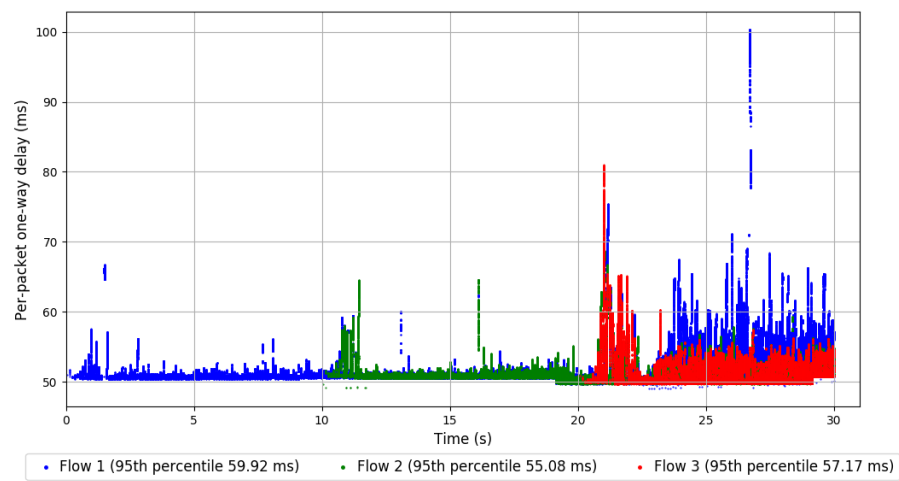
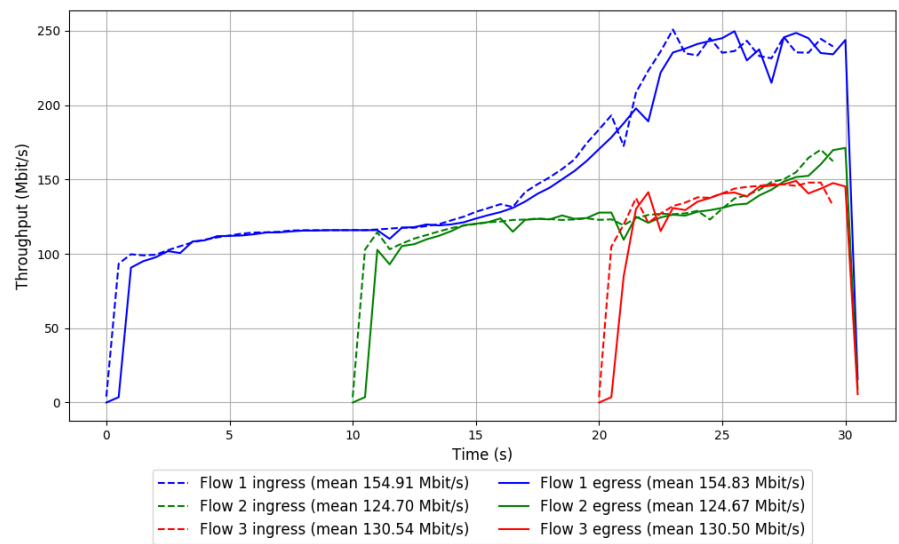
-- Flow 3:

Average throughput: 130.50 Mbit/s

95th percentile per-packet one-way delay: 57.173 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

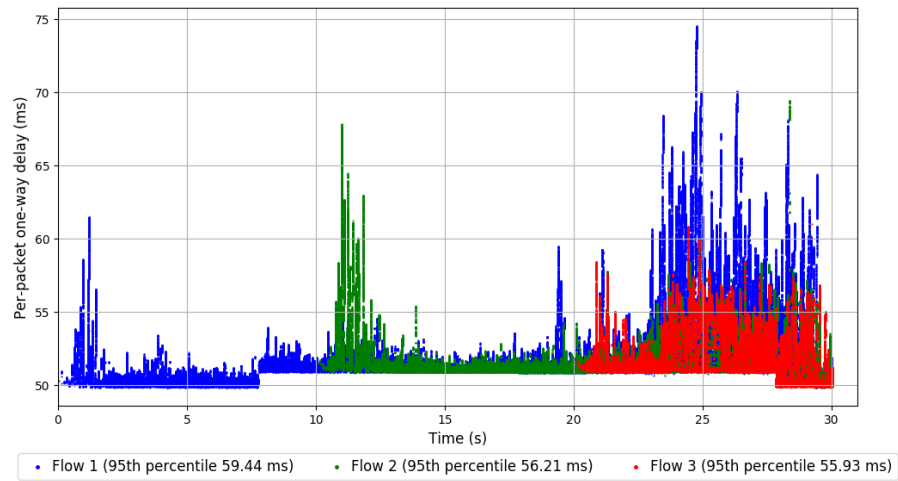
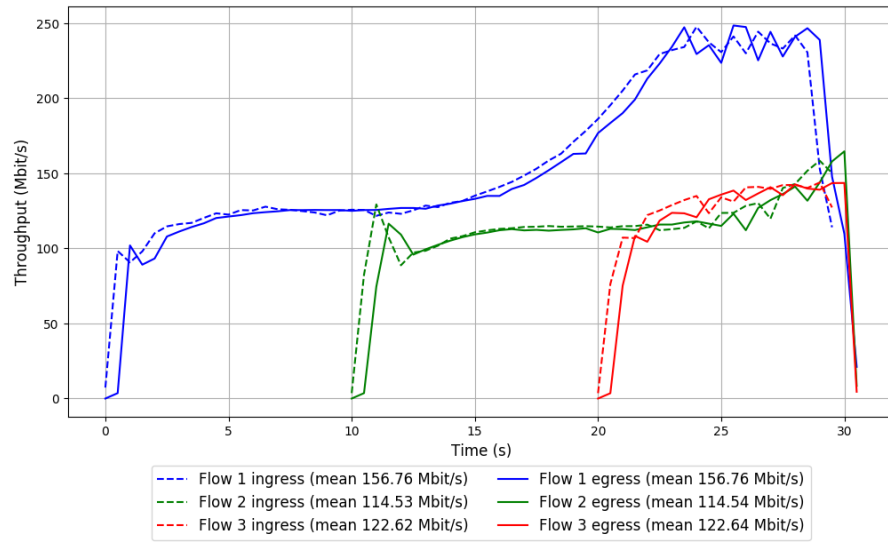


Run 8: Statistics of TCP Cubic

Start at: 2018-08-03 13:58:10
End at: 2018-08-03 13:58:40
Local clock offset: -0.365 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-03 15:45:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.81 Mbit/s
95th percentile per-packet one-way delay: 57.688 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.76 Mbit/s
95th percentile per-packet one-way delay: 59.438 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 114.54 Mbit/s
95th percentile per-packet one-way delay: 56.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.64 Mbit/s
95th percentile per-packet one-way delay: 55.929 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-08-03 14:23:29

End at: 2018-08-03 14:23:59

Local clock offset: 0.064 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-03 15:45:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.66 Mbit/s

95th percentile per-packet one-way delay: 58.616 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 137.75 Mbit/s

95th percentile per-packet one-way delay: 59.893 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.25 Mbit/s

95th percentile per-packet one-way delay: 54.106 ms

Loss rate: 0.48%

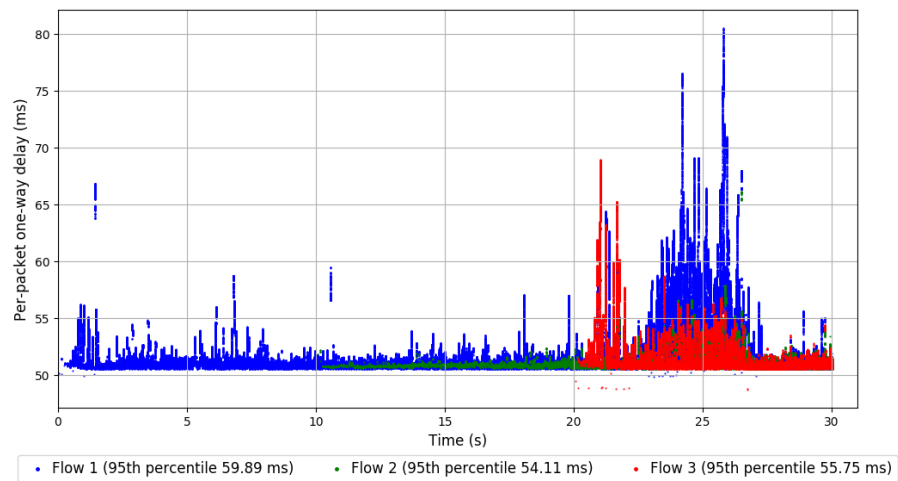
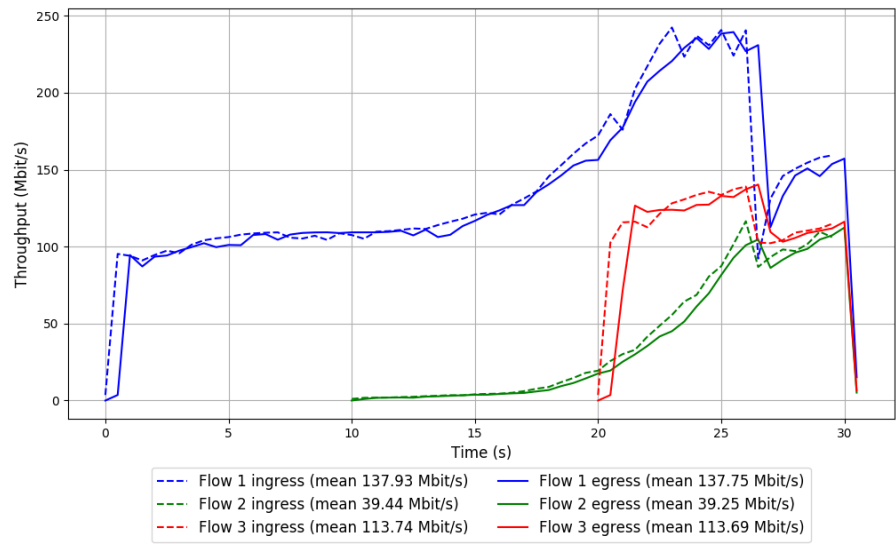
-- Flow 3:

Average throughput: 113.69 Mbit/s

95th percentile per-packet one-way delay: 55.750 ms

Loss rate: 0.02%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-03 14:48:46

End at: 2018-08-03 14:49:16

Local clock offset: 0.044 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-03 15:47:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.71 Mbit/s

95th percentile per-packet one-way delay: 62.701 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 144.94 Mbit/s

95th percentile per-packet one-way delay: 59.701 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 224.93 Mbit/s

95th percentile per-packet one-way delay: 63.192 ms

Loss rate: 0.01%

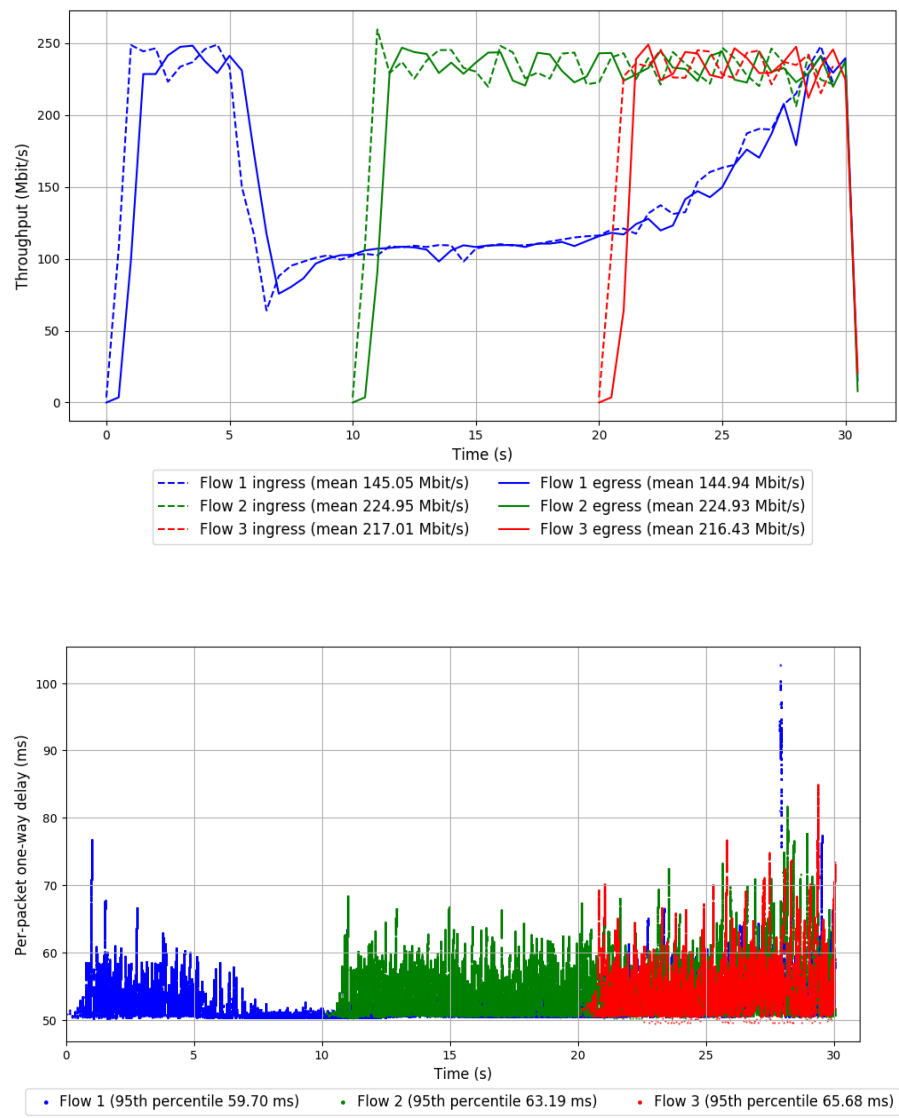
-- Flow 3:

Average throughput: 216.43 Mbit/s

95th percentile per-packet one-way delay: 65.678 ms

Loss rate: 0.08%

Run 10: Report of TCP Cubic — Data Link

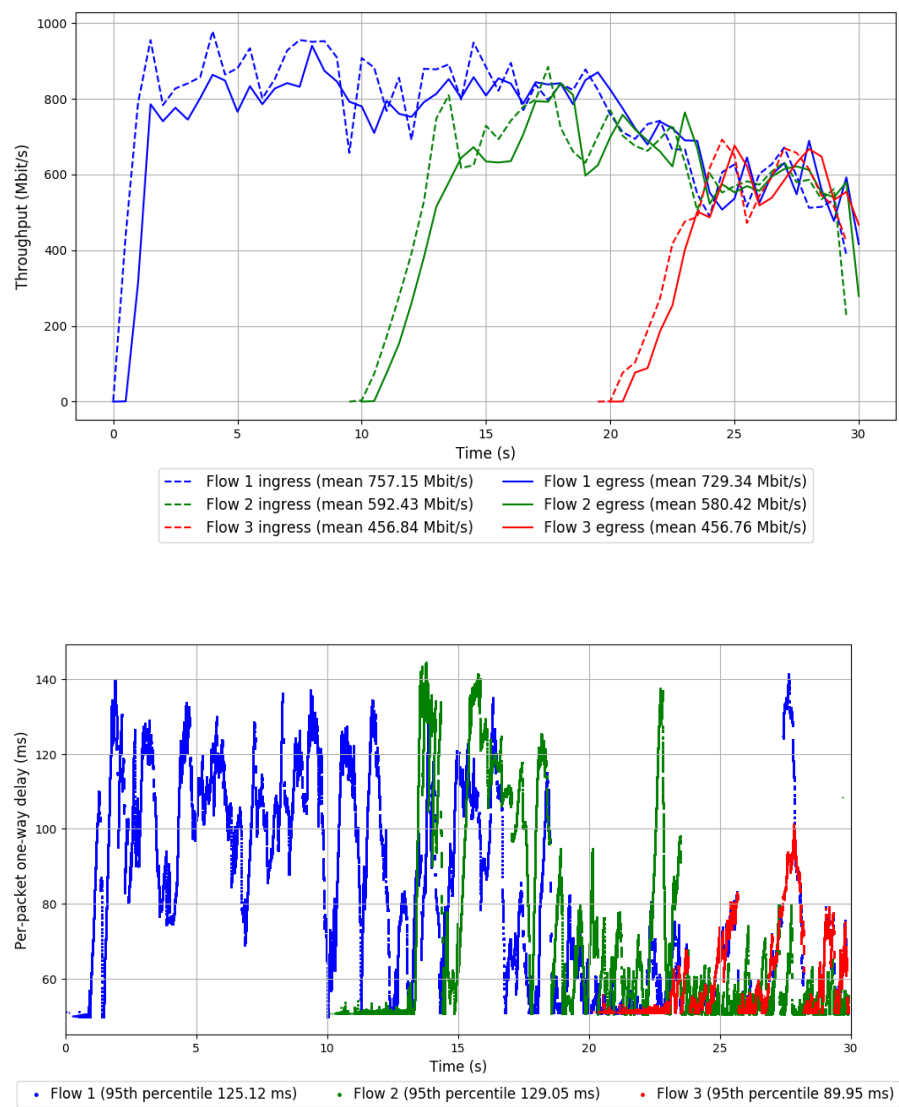


Run 1: Statistics of FillP

Start at: 2018-08-03 10:39:08
End at: 2018-08-03 10:39:38
Local clock offset: -0.272 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-03 16:08:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1266.89 Mbit/s
95th percentile per-packet one-way delay: 124.968 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 729.34 Mbit/s
95th percentile per-packet one-way delay: 125.120 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 580.42 Mbit/s
95th percentile per-packet one-way delay: 129.052 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 456.76 Mbit/s
95th percentile per-packet one-way delay: 89.948 ms
Loss rate: 0.01%

Run 1: Report of FillP — Data Link

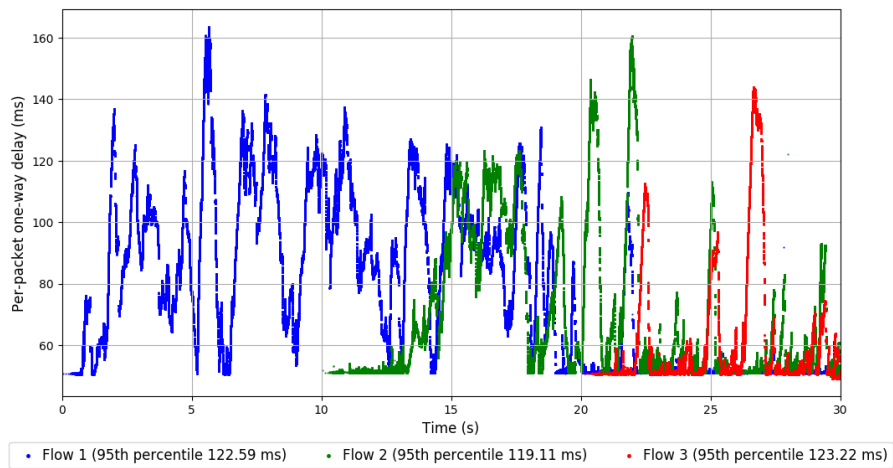
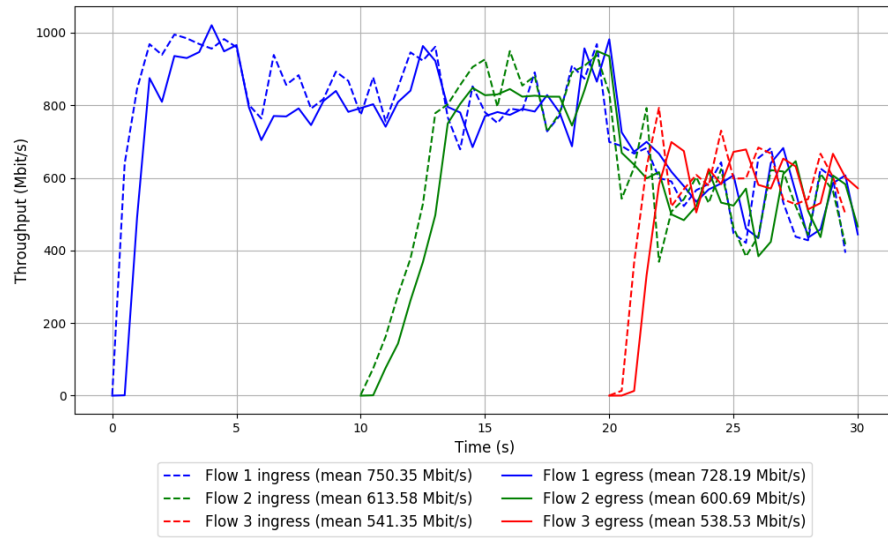


Run 2: Statistics of FillP

Start at: 2018-08-03 11:04:38
End at: 2018-08-03 11:05:08
Local clock offset: -0.232 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-08-03 16:10:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1306.38 Mbit/s
95th percentile per-packet one-way delay: 121.753 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 728.19 Mbit/s
95th percentile per-packet one-way delay: 122.591 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 600.69 Mbit/s
95th percentile per-packet one-way delay: 119.107 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 538.53 Mbit/s
95th percentile per-packet one-way delay: 123.223 ms
Loss rate: 0.54%

Run 2: Report of FillP — Data Link

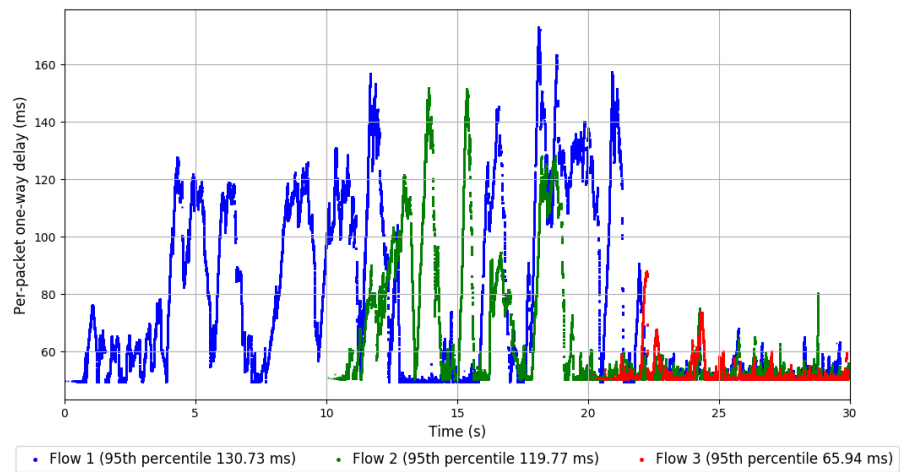
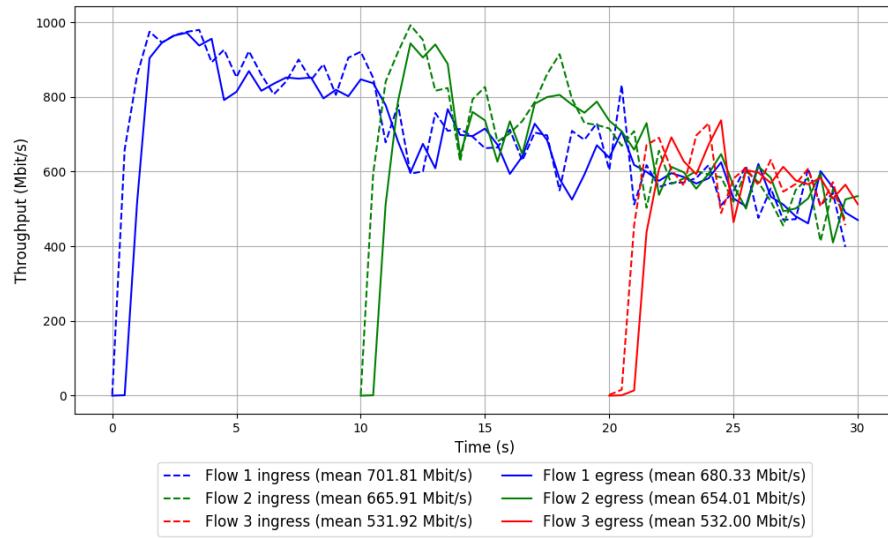


Run 3: Statistics of FillP

Start at: 2018-08-03 11:30:16
End at: 2018-08-03 11:30:46
Local clock offset: 0.114 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-03 16:11:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1292.05 Mbit/s
95th percentile per-packet one-way delay: 126.004 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 680.33 Mbit/s
95th percentile per-packet one-way delay: 130.733 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 654.01 Mbit/s
95th percentile per-packet one-way delay: 119.770 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 532.00 Mbit/s
95th percentile per-packet one-way delay: 65.935 ms
Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-03 11:55:41

End at: 2018-08-03 11:56:11

Local clock offset: 0.33 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-08-03 16:13:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1363.78 Mbit/s

95th percentile per-packet one-way delay: 129.346 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 689.54 Mbit/s

95th percentile per-packet one-way delay: 133.085 ms

Loss rate: 3.54%

-- Flow 2:

Average throughput: 698.73 Mbit/s

95th percentile per-packet one-way delay: 123.433 ms

Loss rate: 2.50%

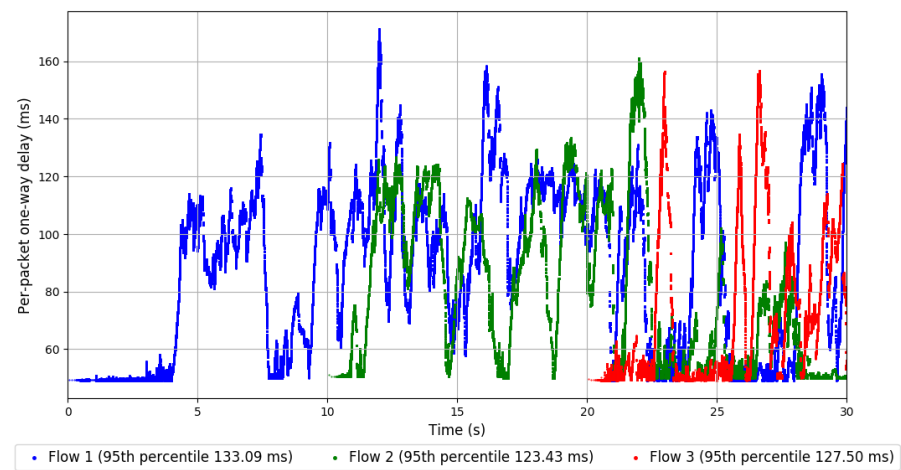
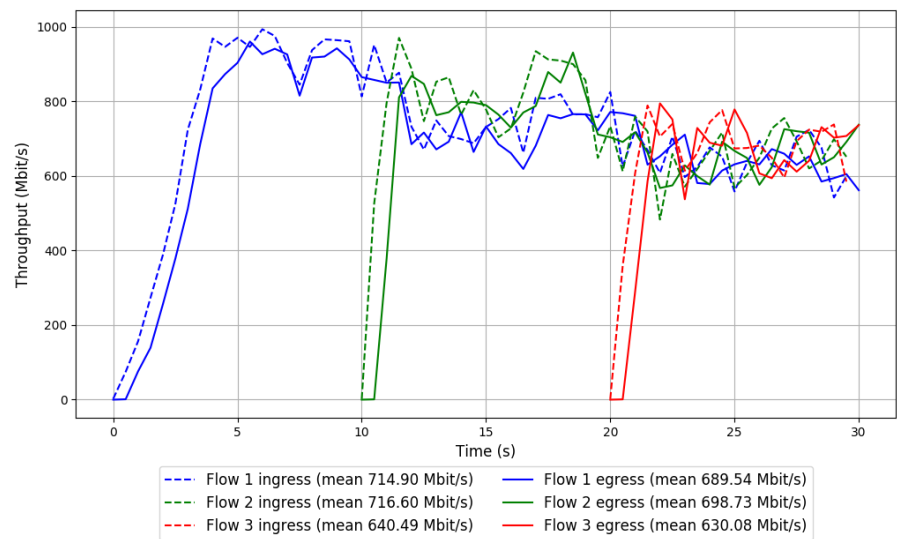
-- Flow 3:

Average throughput: 630.08 Mbit/s

95th percentile per-packet one-way delay: 127.496 ms

Loss rate: 1.62%

Run 4: Report of FillP — Data Link

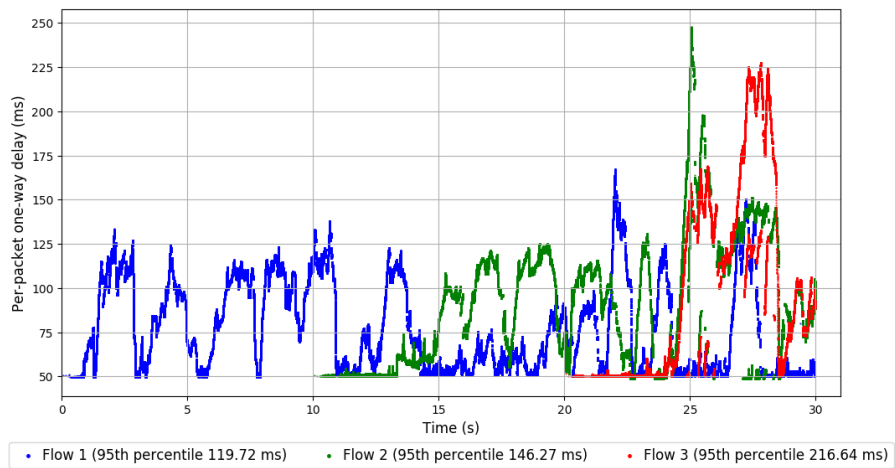
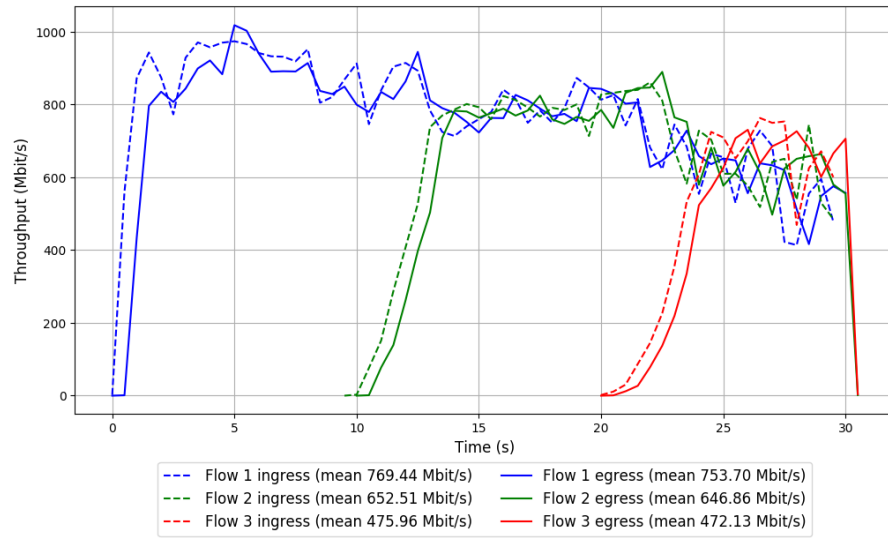


Run 5: Statistics of FillP

Start at: 2018-08-03 12:21:08
End at: 2018-08-03 12:21:38
Local clock offset: -0.026 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-03 16:13:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1340.29 Mbit/s
95th percentile per-packet one-way delay: 147.208 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 753.70 Mbit/s
95th percentile per-packet one-way delay: 119.725 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 646.86 Mbit/s
95th percentile per-packet one-way delay: 146.268 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 472.13 Mbit/s
95th percentile per-packet one-way delay: 216.639 ms
Loss rate: 0.42%

Run 5: Report of FillP — Data Link

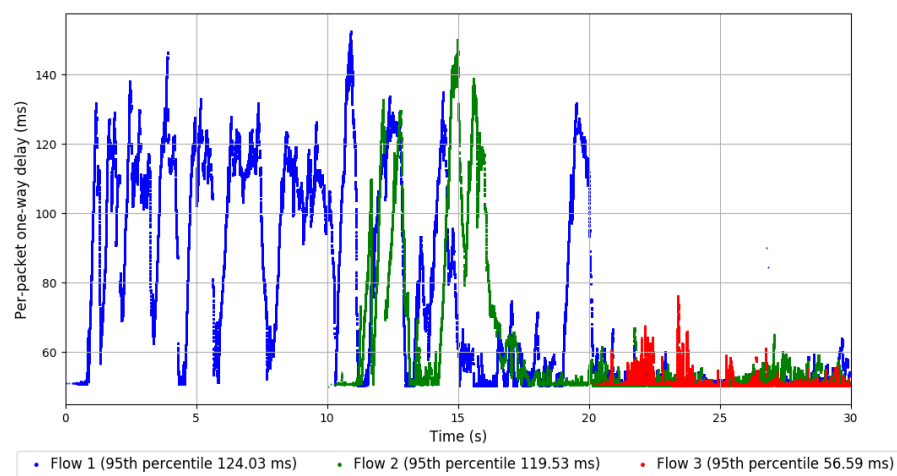
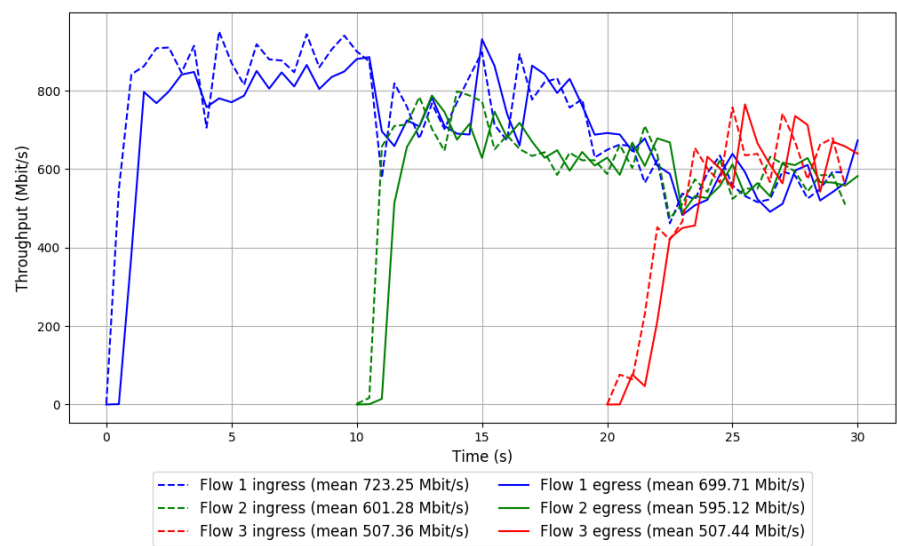


Run 6: Statistics of FillP

Start at: 2018-08-03 12:46:48
End at: 2018-08-03 12:47:18
Local clock offset: 0.042 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-03 16:13:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1263.23 Mbit/s
95th percentile per-packet one-way delay: 122.474 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 699.71 Mbit/s
95th percentile per-packet one-way delay: 124.026 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 595.12 Mbit/s
95th percentile per-packet one-way delay: 119.531 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 507.44 Mbit/s
95th percentile per-packet one-way delay: 56.587 ms
Loss rate: 0.00%

Run 6: Report of FillP — Data Link

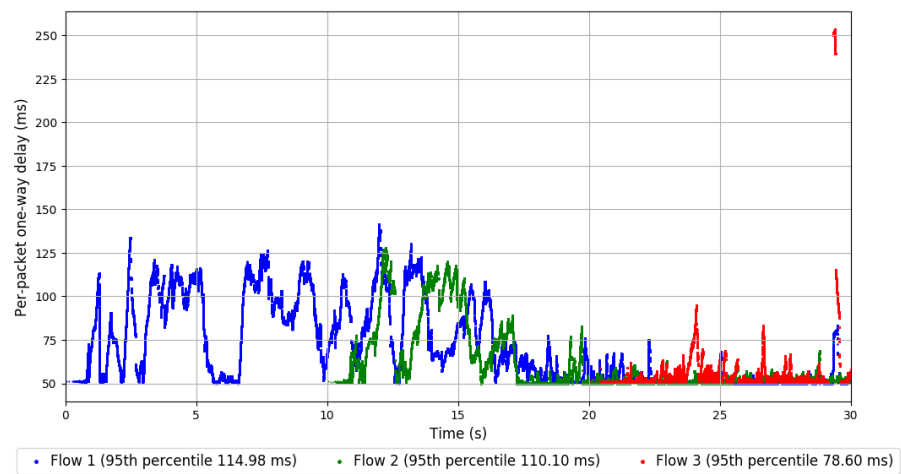
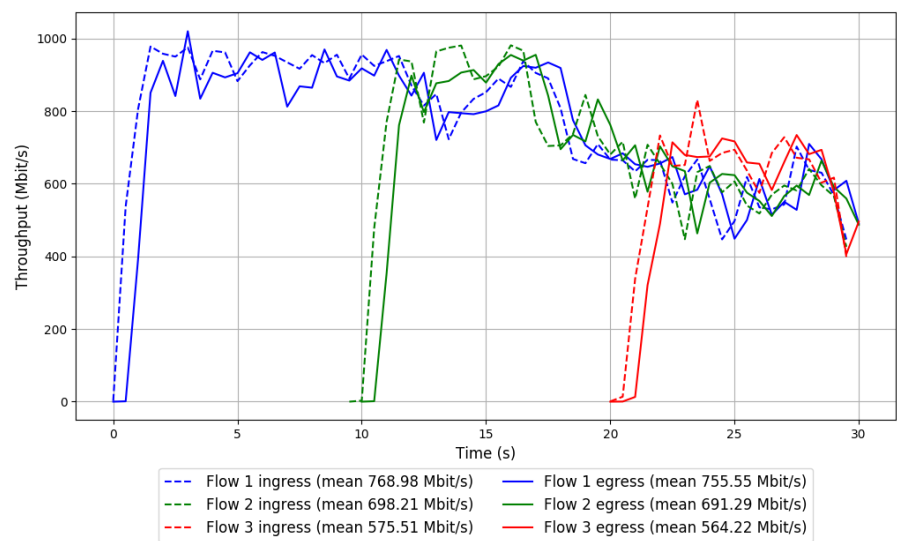


Run 7: Statistics of FillP

Start at: 2018-08-03 13:12:23
End at: 2018-08-03 13:12:53
Local clock offset: -0.257 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-03 16:15:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1402.28 Mbit/s
95th percentile per-packet one-way delay: 112.726 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 755.55 Mbit/s
95th percentile per-packet one-way delay: 114.985 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 691.29 Mbit/s
95th percentile per-packet one-way delay: 110.102 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 564.22 Mbit/s
95th percentile per-packet one-way delay: 78.602 ms
Loss rate: 1.96%

Run 7: Report of FillP — Data Link

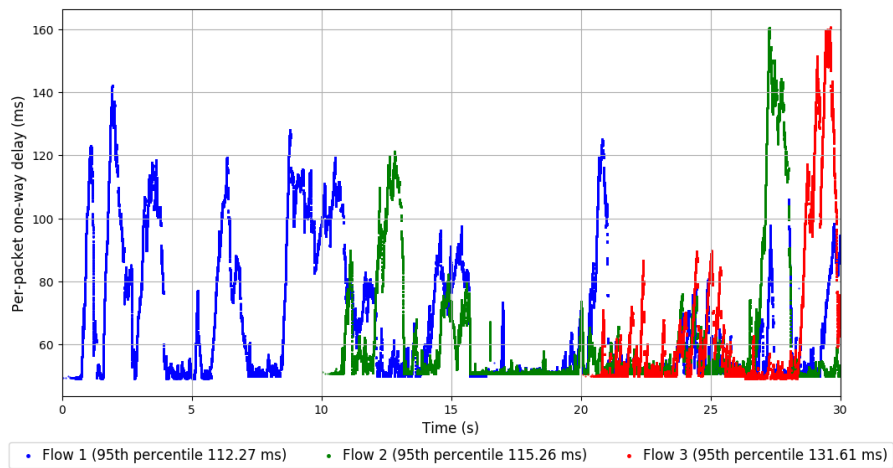
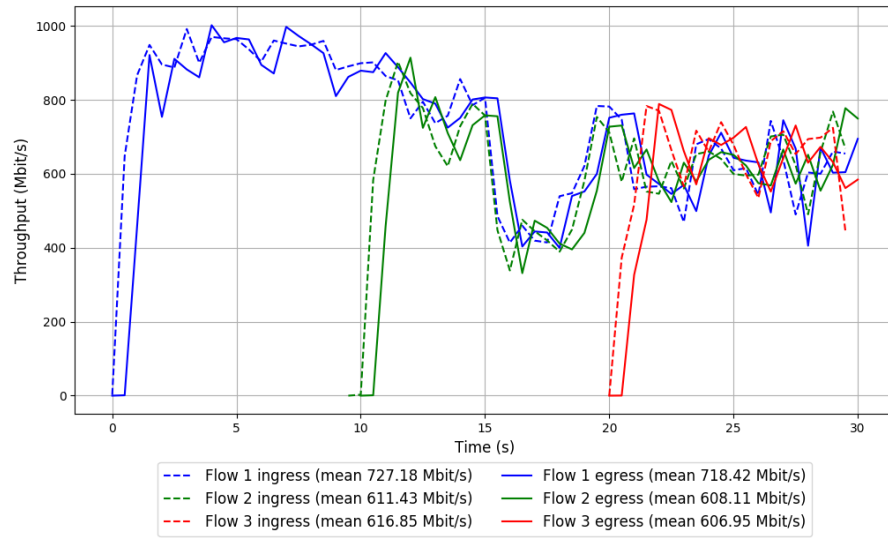


Run 8: Statistics of FillP

Start at: 2018-08-03 13:38:02
End at: 2018-08-03 13:38:32
Local clock offset: -0.25 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-03 16:16:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1324.22 Mbit/s
95th percentile per-packet one-way delay: 113.681 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 718.42 Mbit/s
95th percentile per-packet one-way delay: 112.268 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 608.11 Mbit/s
95th percentile per-packet one-way delay: 115.259 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 606.95 Mbit/s
95th percentile per-packet one-way delay: 131.614 ms
Loss rate: 1.59%

Run 8: Report of FillP — Data Link

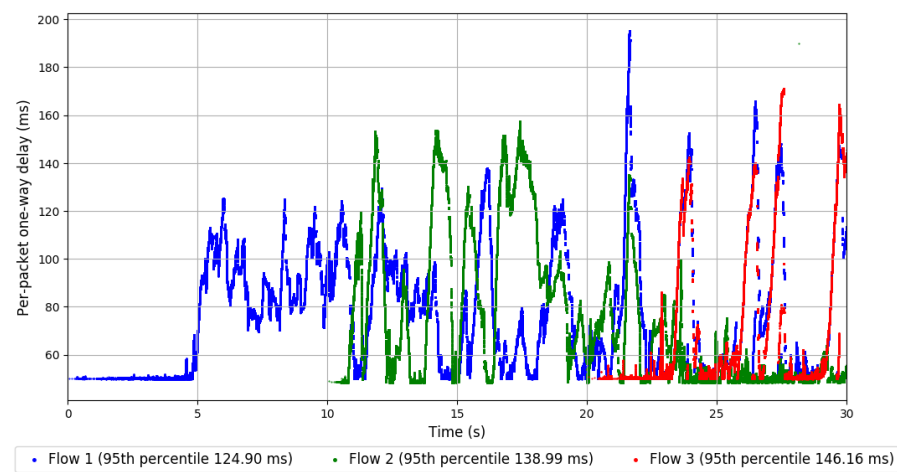
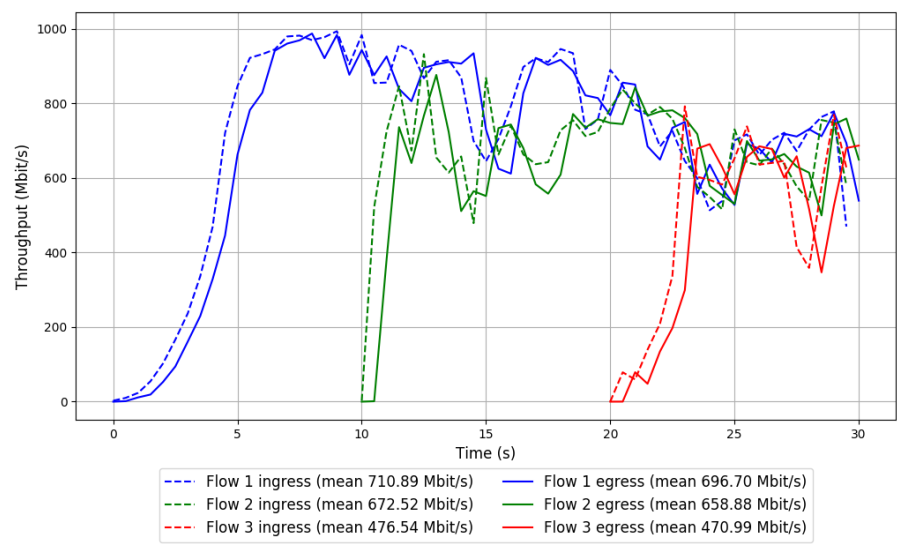


Run 9: Statistics of FillP

Start at: 2018-08-03 14:03:31
End at: 2018-08-03 14:04:01
Local clock offset: 0.354 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-03 16:36:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1291.41 Mbit/s
95th percentile per-packet one-way delay: 135.363 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 696.70 Mbit/s
95th percentile per-packet one-way delay: 124.903 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 658.88 Mbit/s
95th percentile per-packet one-way delay: 138.992 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 470.99 Mbit/s
95th percentile per-packet one-way delay: 146.163 ms
Loss rate: 1.16%

Run 9: Report of FillP — Data Link

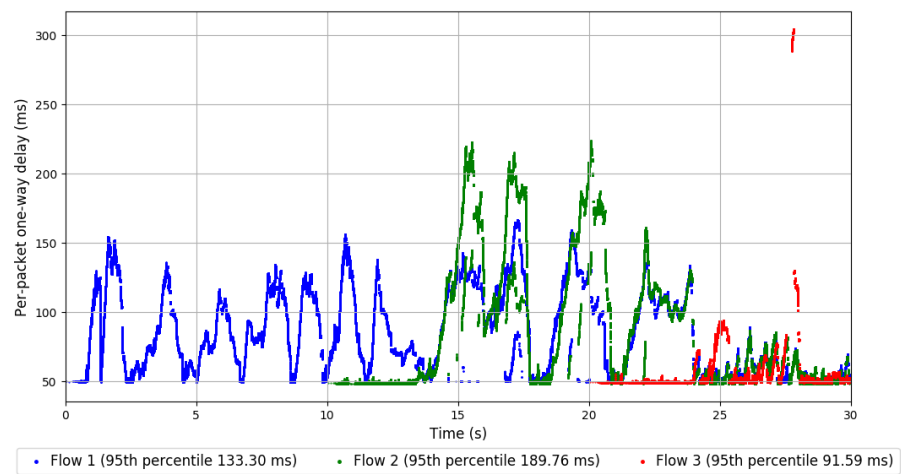
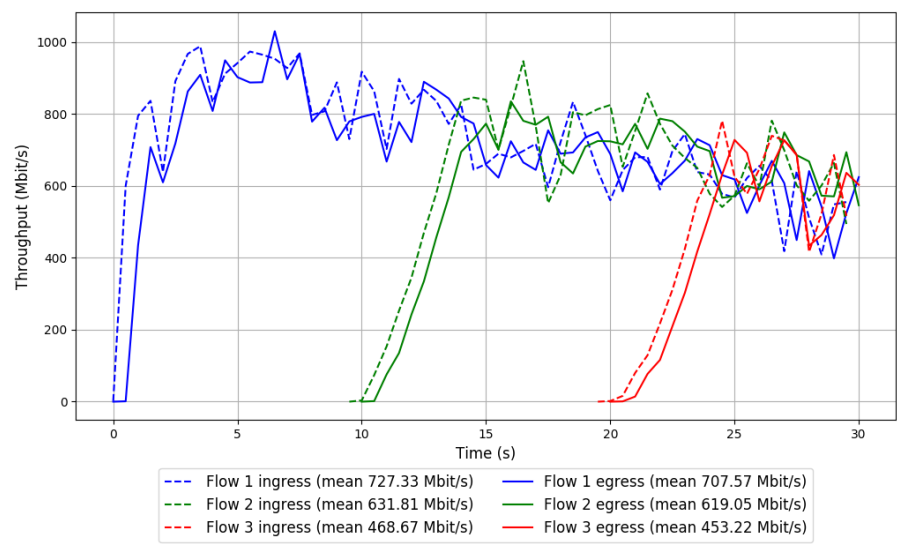


Run 10: Statistics of FillP

Start at: 2018-08-03 14:28:48
End at: 2018-08-03 14:29:18
Local clock offset: 0.43 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-03 16:38:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1270.26 Mbit/s
95th percentile per-packet one-way delay: 163.510 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 707.57 Mbit/s
95th percentile per-packet one-way delay: 133.303 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 619.05 Mbit/s
95th percentile per-packet one-way delay: 189.756 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 453.22 Mbit/s
95th percentile per-packet one-way delay: 91.589 ms
Loss rate: 3.27%

Run 10: Report of FillP — Data Link

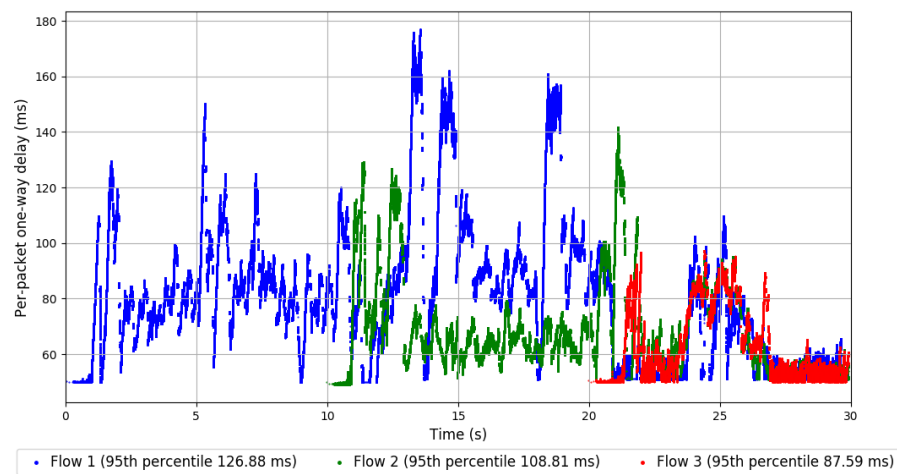
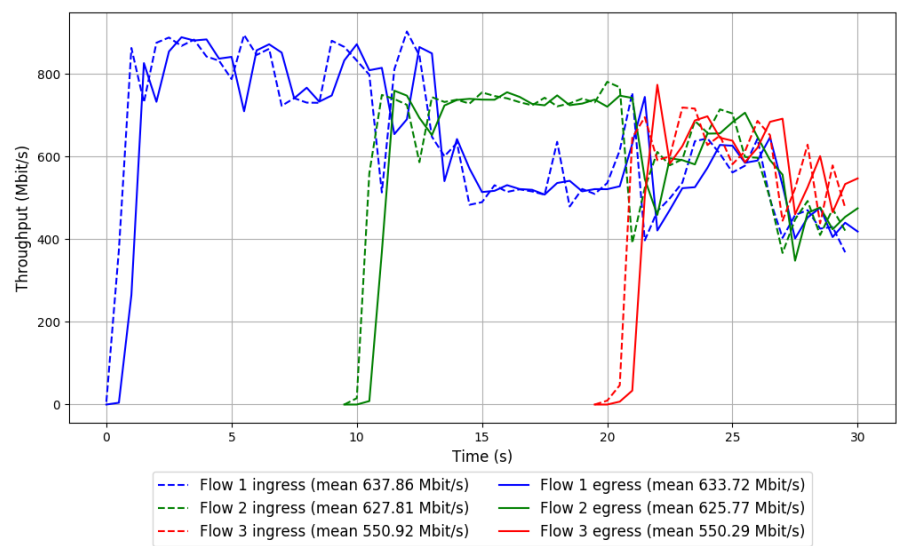


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-03 10:42:35
End at: 2018-08-03 10:43:05
Local clock offset: -0.27 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-03 16:38:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1234.01 Mbit/s
95th percentile per-packet one-way delay: 114.093 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 633.72 Mbit/s
95th percentile per-packet one-way delay: 126.877 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 625.77 Mbit/s
95th percentile per-packet one-way delay: 108.812 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 550.29 Mbit/s
95th percentile per-packet one-way delay: 87.588 ms
Loss rate: 0.10%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-03 11:08:13

End at: 2018-08-03 11:08:43

Local clock offset: 0.467 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-03 16:38:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1157.45 Mbit/s

95th percentile per-packet one-way delay: 121.917 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 651.34 Mbit/s

95th percentile per-packet one-way delay: 126.702 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 537.45 Mbit/s

95th percentile per-packet one-way delay: 110.383 ms

Loss rate: 0.94%

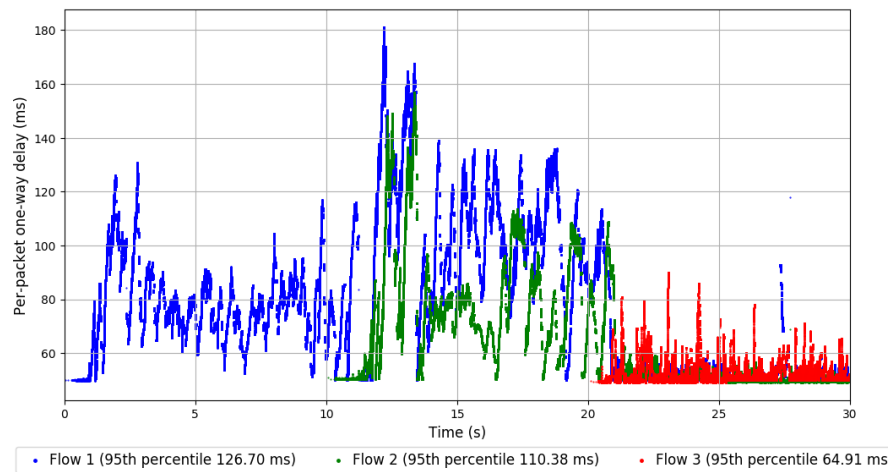
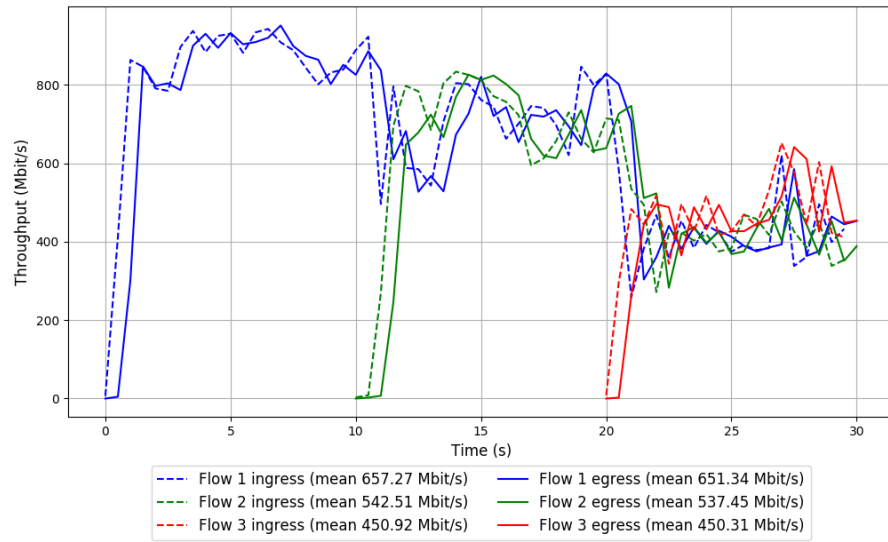
-- Flow 3:

Average throughput: 450.31 Mbit/s

95th percentile per-packet one-way delay: 64.907 ms

Loss rate: 0.13%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-03 11:33:50

End at: 2018-08-03 11:34:20

Local clock offset: 0.099 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-03 16:39:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1248.81 Mbit/s

95th percentile per-packet one-way delay: 106.752 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 679.54 Mbit/s

95th percentile per-packet one-way delay: 114.667 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 617.89 Mbit/s

95th percentile per-packet one-way delay: 82.510 ms

Loss rate: 0.03%

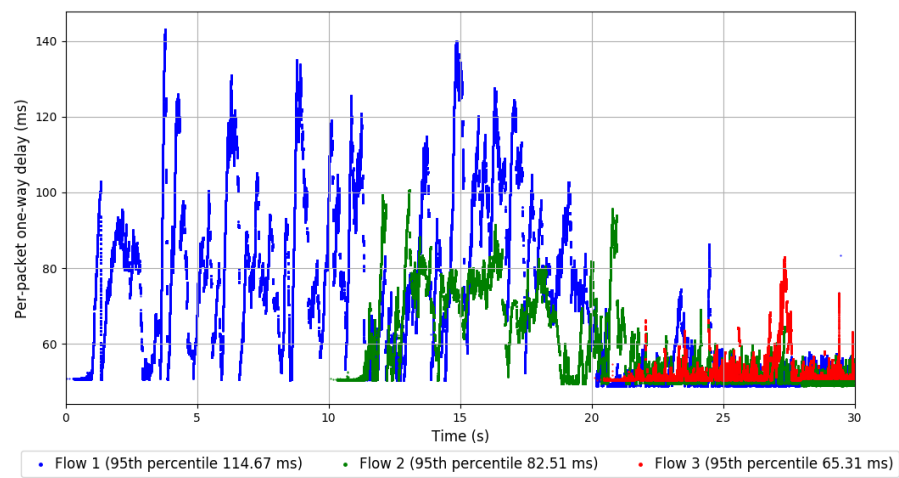
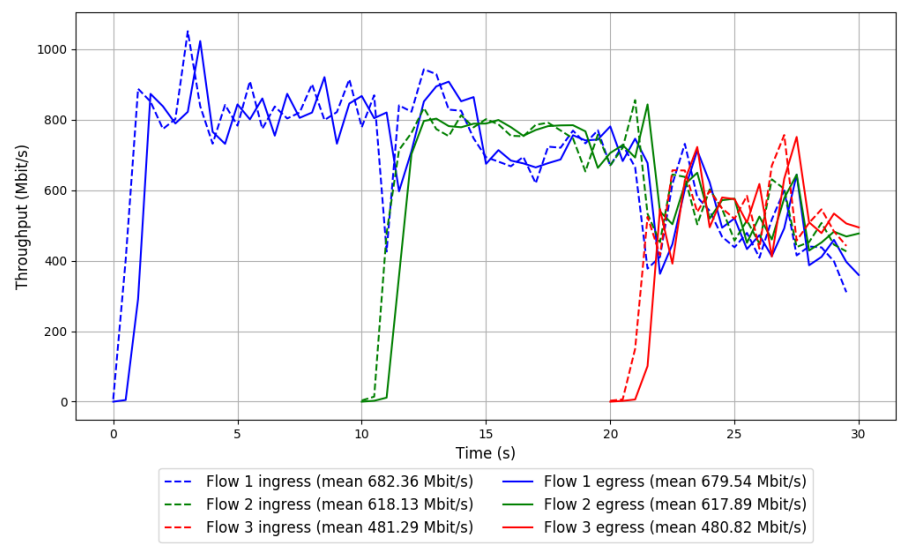
-- Flow 3:

Average throughput: 480.82 Mbit/s

95th percentile per-packet one-way delay: 65.315 ms

Loss rate: 0.06%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-03 11:59:18

End at: 2018-08-03 11:59:48

Local clock offset: -0.039 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-08-03 16:40:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1261.85 Mbit/s

95th percentile per-packet one-way delay: 108.005 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 681.61 Mbit/s

95th percentile per-packet one-way delay: 120.447 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 642.66 Mbit/s

95th percentile per-packet one-way delay: 82.716 ms

Loss rate: 0.00%

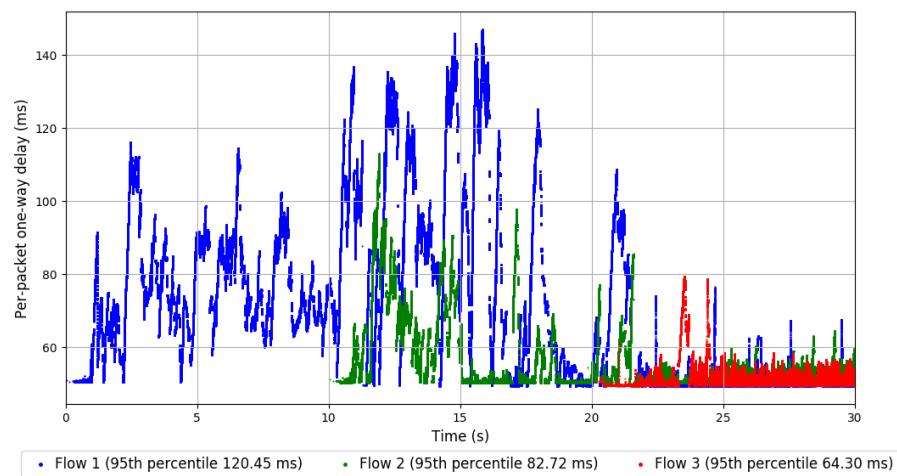
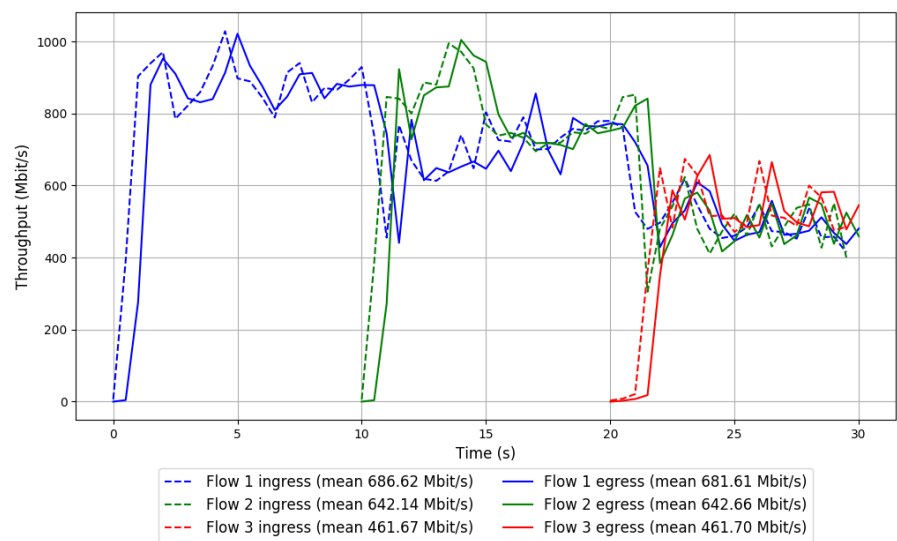
-- Flow 3:

Average throughput: 461.70 Mbit/s

95th percentile per-packet one-way delay: 64.300 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

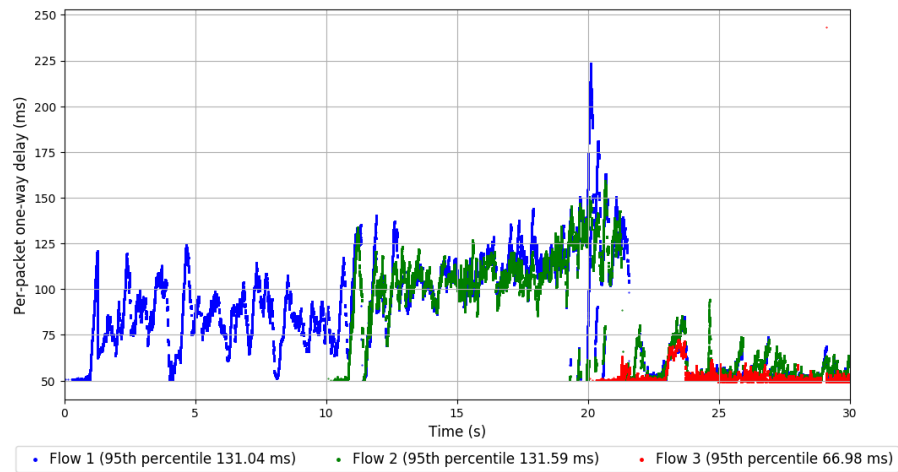
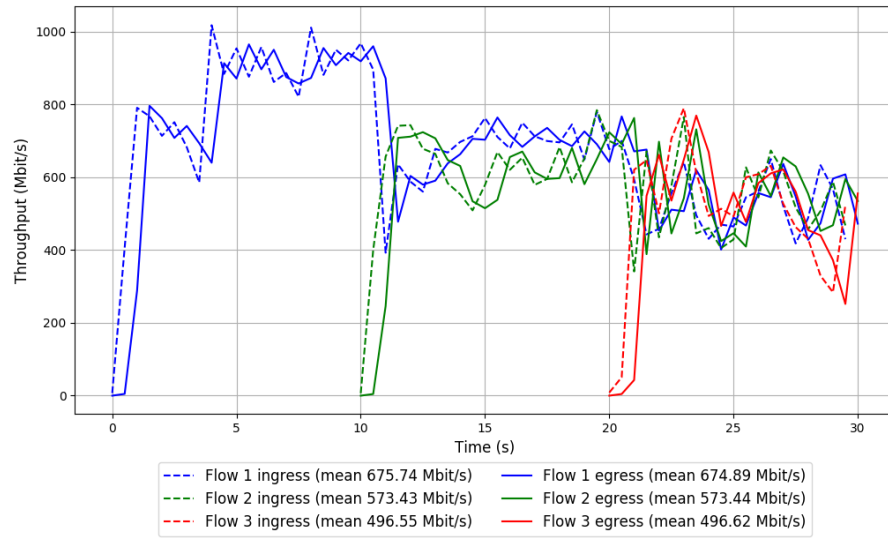


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-03 12:24:43
End at: 2018-08-03 12:25:13
Local clock offset: -0.042 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-03 16:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1220.47 Mbit/s
95th percentile per-packet one-way delay: 129.532 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 674.89 Mbit/s
95th percentile per-packet one-way delay: 131.043 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 573.44 Mbit/s
95th percentile per-packet one-way delay: 131.593 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 496.62 Mbit/s
95th percentile per-packet one-way delay: 66.979 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

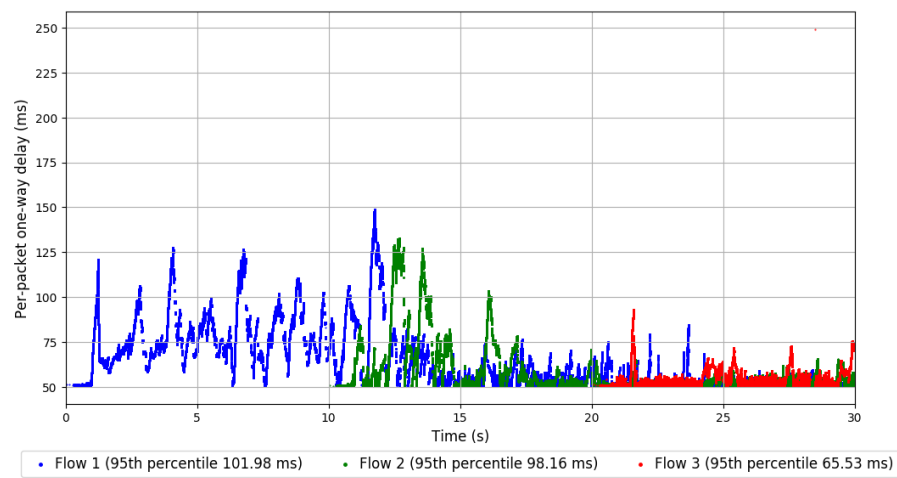
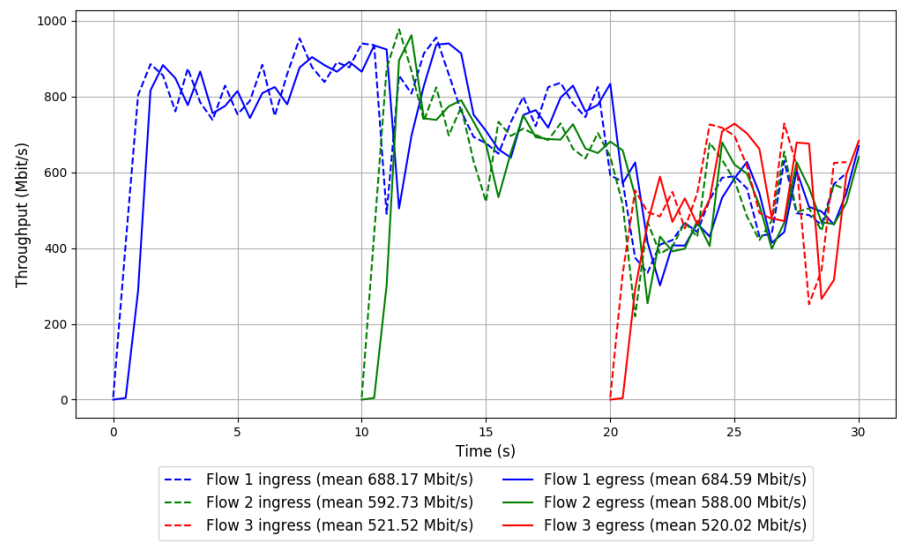


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-03 12:50:21
End at: 2018-08-03 12:50:51
Local clock offset: -0.278 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-03 16:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1248.04 Mbit/s
95th percentile per-packet one-way delay: 97.086 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 684.59 Mbit/s
95th percentile per-packet one-way delay: 101.978 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 588.00 Mbit/s
95th percentile per-packet one-way delay: 98.158 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 520.02 Mbit/s
95th percentile per-packet one-way delay: 65.528 ms
Loss rate: 0.26%

Run 6: Report of FillP-Sheep — Data Link

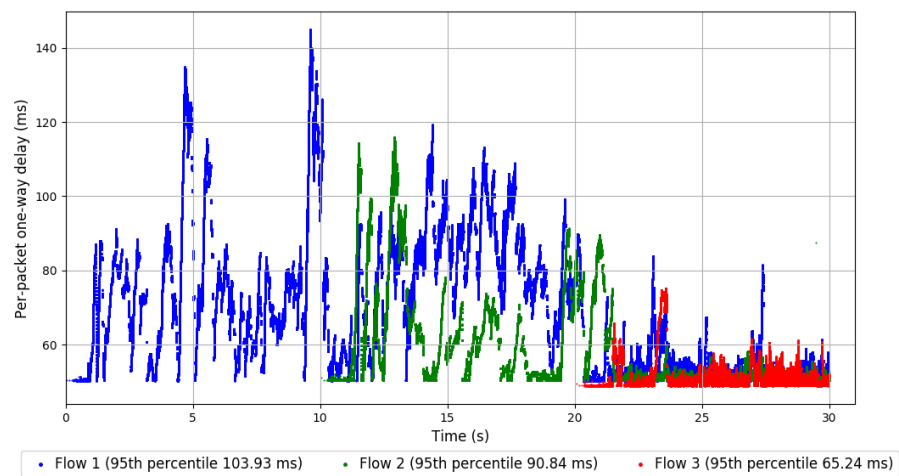
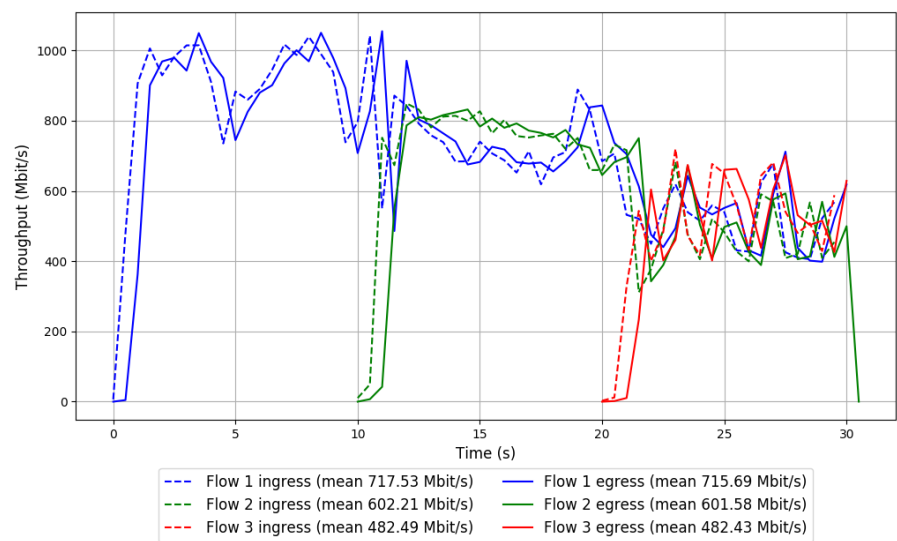


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-03 13:15:59
End at: 2018-08-03 13:16:29
Local clock offset: 0.104 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-03 17:05:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1275.99 Mbit/s
95th percentile per-packet one-way delay: 98.227 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 715.69 Mbit/s
95th percentile per-packet one-way delay: 103.927 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 601.58 Mbit/s
95th percentile per-packet one-way delay: 90.840 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 482.43 Mbit/s
95th percentile per-packet one-way delay: 65.237 ms
Loss rate: 0.01%

Run 7: Report of FillP-Sheep — Data Link

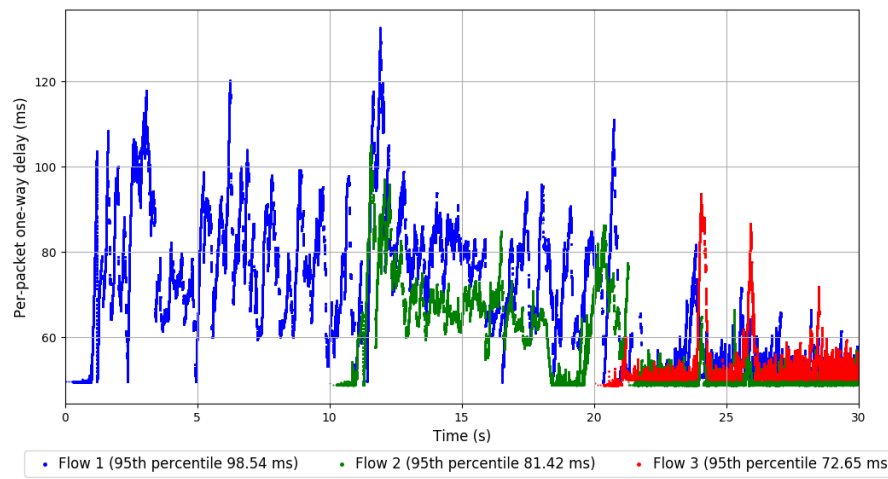
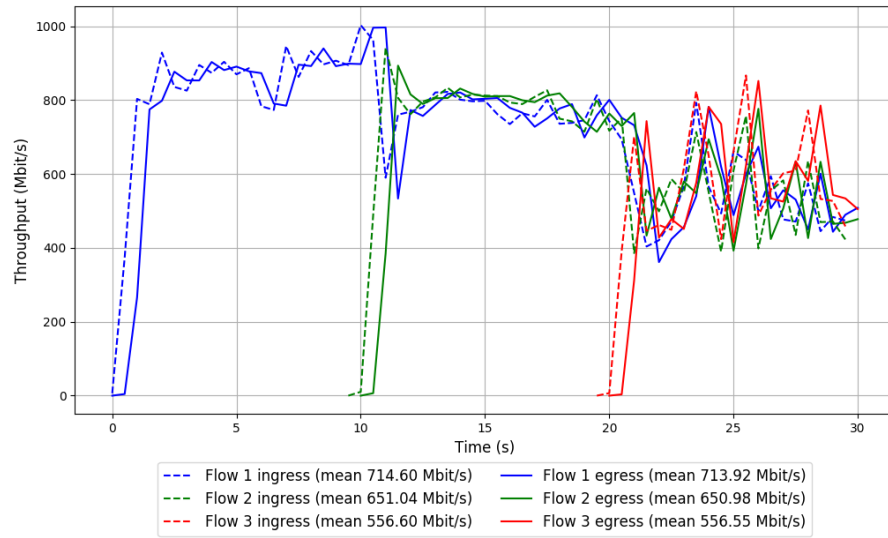


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-03 13:41:37
End at: 2018-08-03 13:42:07
Local clock offset: 0.125 ms
Remote clock offset: -0.073 ms

```
# Below is generated by plot.py at 2018-08-03 17:07:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1332.24 Mbit/s
95th percentile per-packet one-way delay: 93.825 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 713.92 Mbit/s
95th percentile per-packet one-way delay: 98.541 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 650.98 Mbit/s
95th percentile per-packet one-way delay: 81.423 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 556.55 Mbit/s
95th percentile per-packet one-way delay: 72.654 ms
Loss rate: 0.00%
```

Run 8: Report of FillP-Sheep — Data Link

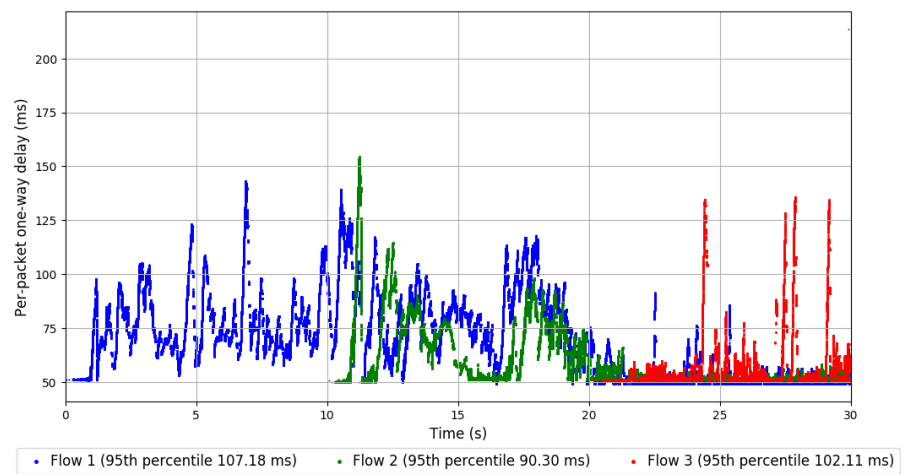
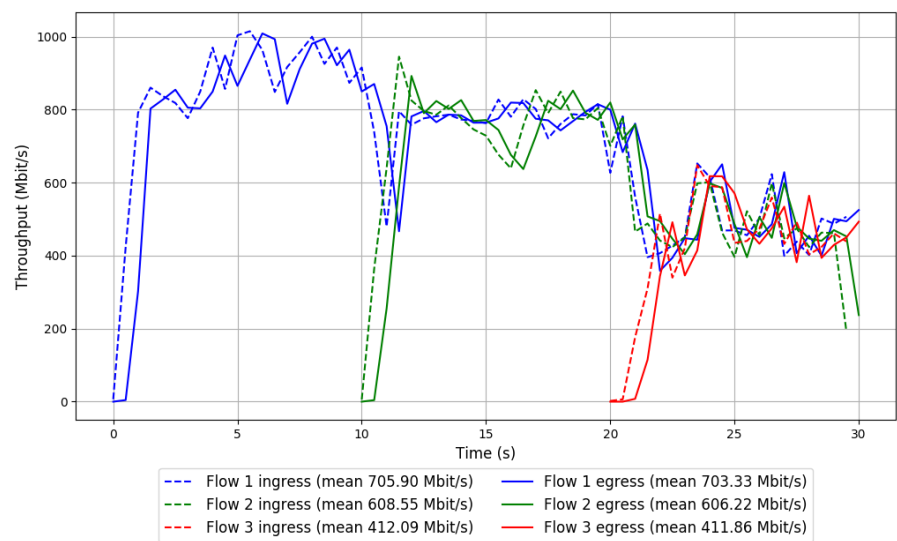


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-03 14:07:04
End at: 2018-08-03 14:07:34
Local clock offset: -0.353 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-08-03 17:07:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.83 Mbit/s
95th percentile per-packet one-way delay: 103.335 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 703.33 Mbit/s
95th percentile per-packet one-way delay: 107.179 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 606.22 Mbit/s
95th percentile per-packet one-way delay: 90.300 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 411.86 Mbit/s
95th percentile per-packet one-way delay: 102.110 ms
Loss rate: 0.07%

Run 9: Report of FillP-Sheep — Data Link

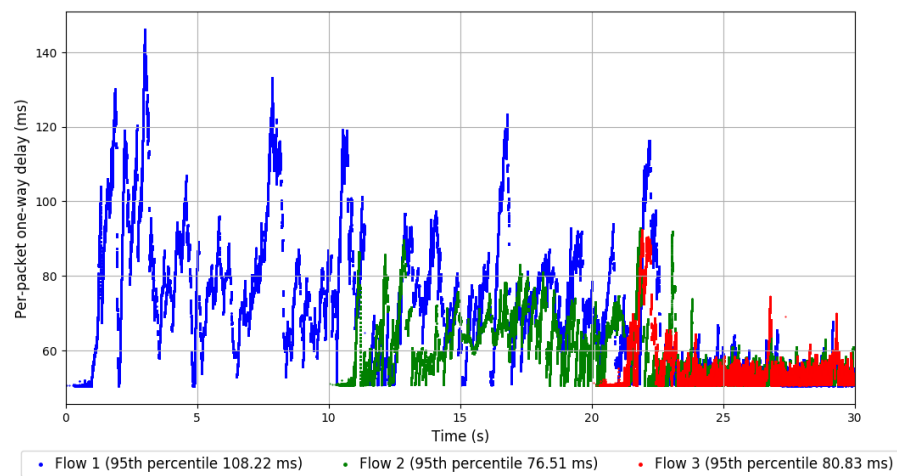
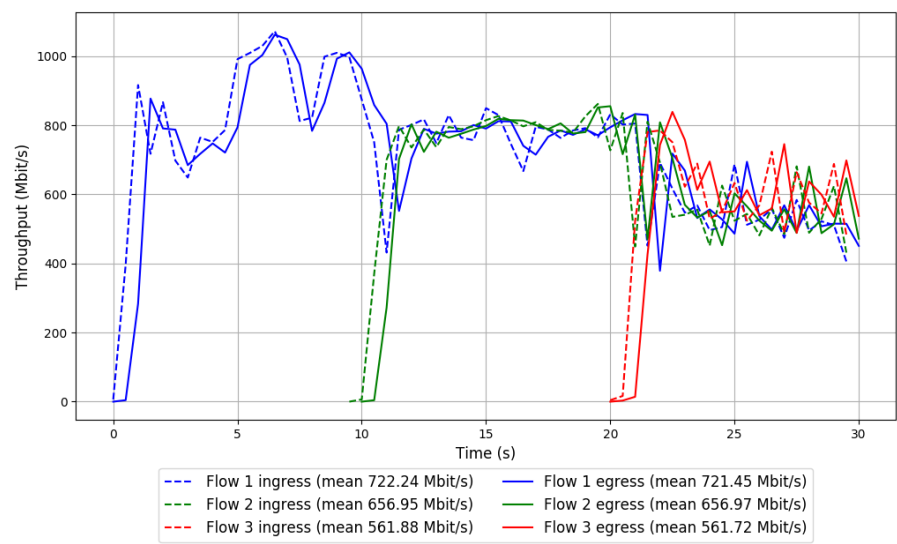


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-03 14:32:21
End at: 2018-08-03 14:32:51
Local clock offset: -0.286 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1344.98 Mbit/s
95th percentile per-packet one-way delay: 97.055 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 721.45 Mbit/s
95th percentile per-packet one-way delay: 108.223 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 656.97 Mbit/s
95th percentile per-packet one-way delay: 76.513 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 561.72 Mbit/s
95th percentile per-packet one-way delay: 80.831 ms
Loss rate: 0.03%

Run 10: Report of FillP-Sheep — Data Link

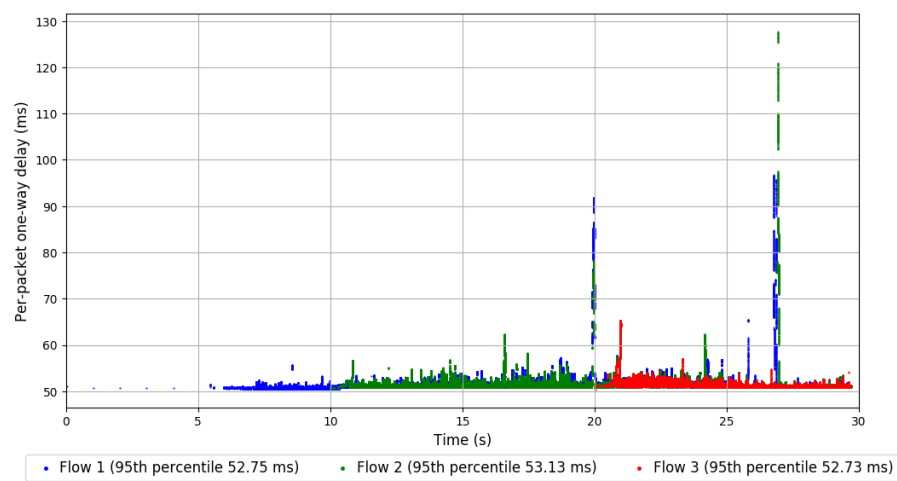
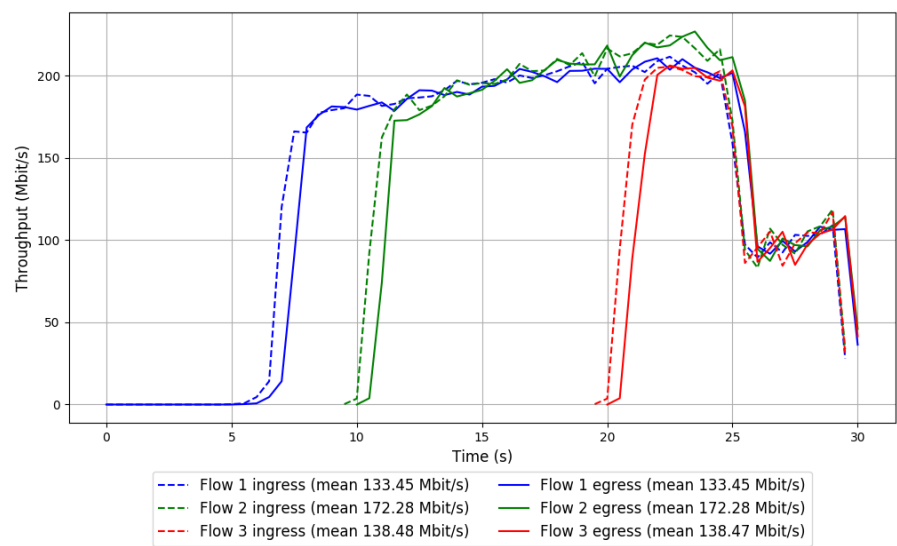


Run 1: Statistics of Indigo

Start at: 2018-08-03 10:41:07
End at: 2018-08-03 10:41:37
Local clock offset: -0.279 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.82 Mbit/s
95th percentile per-packet one-way delay: 52.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.45 Mbit/s
95th percentile per-packet one-way delay: 52.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.28 Mbit/s
95th percentile per-packet one-way delay: 53.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.47 Mbit/s
95th percentile per-packet one-way delay: 52.731 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

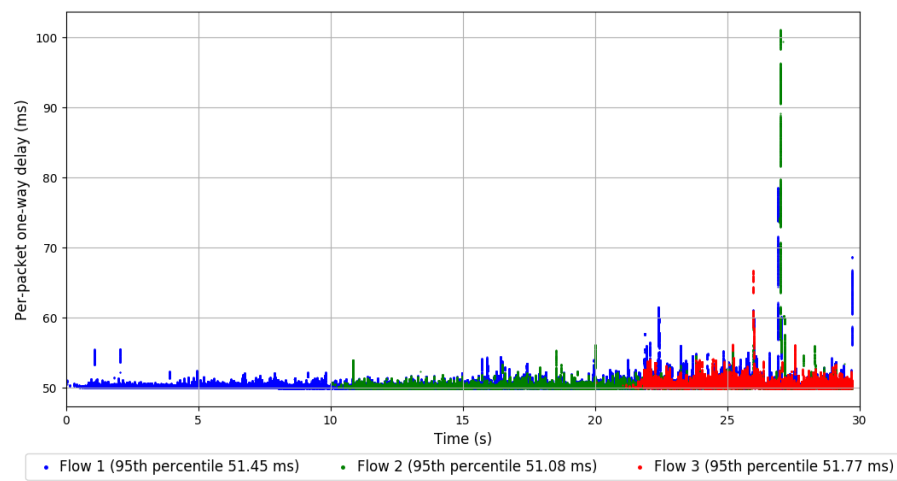
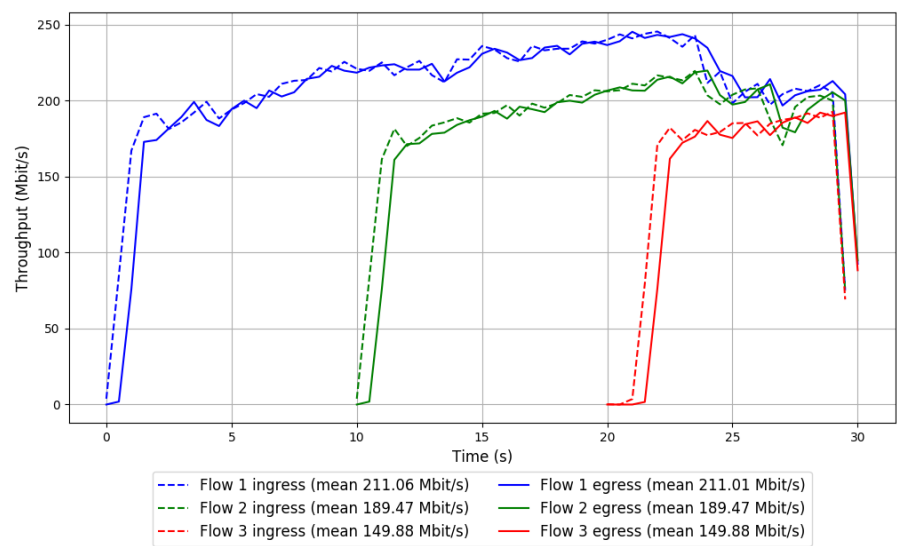


Run 2: Statistics of Indigo

Start at: 2018-08-03 11:06:40
End at: 2018-08-03 11:07:10
Local clock offset: 0.465 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.36 Mbit/s
95th percentile per-packet one-way delay: 51.394 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.01 Mbit/s
95th percentile per-packet one-way delay: 51.448 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 189.47 Mbit/s
95th percentile per-packet one-way delay: 51.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.88 Mbit/s
95th percentile per-packet one-way delay: 51.771 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-03 11:32:17

End at: 2018-08-03 11:32:47

Local clock offset: 0.023 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-08-03 17:08:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.45 Mbit/s

95th percentile per-packet one-way delay: 51.628 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 214.11 Mbit/s

95th percentile per-packet one-way delay: 51.455 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.54 Mbit/s

95th percentile per-packet one-way delay: 51.670 ms

Loss rate: 0.01%

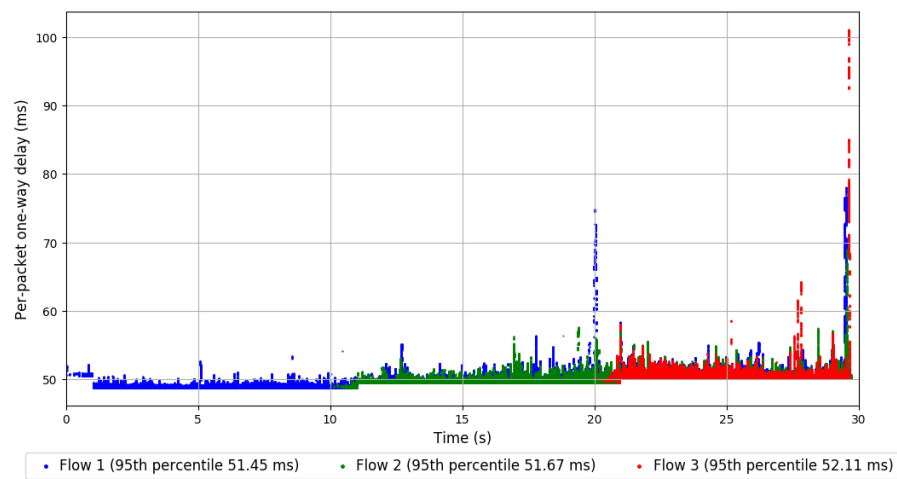
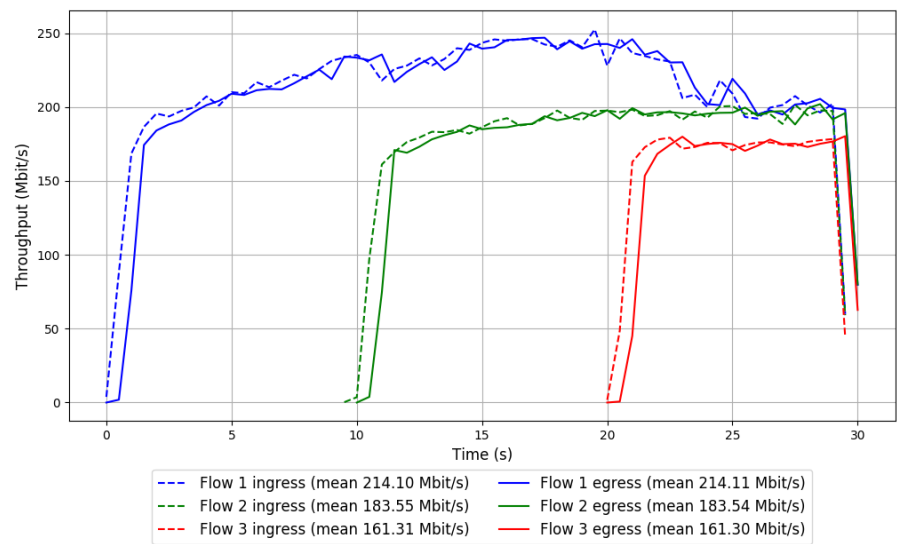
-- Flow 3:

Average throughput: 161.30 Mbit/s

95th percentile per-packet one-way delay: 52.106 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-03 11:57:45

End at: 2018-08-03 11:58:15

Local clock offset: -0.041 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-08-03 17:08:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 385.24 Mbit/s

95th percentile per-packet one-way delay: 51.678 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 189.75 Mbit/s

95th percentile per-packet one-way delay: 51.498 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 208.49 Mbit/s

95th percentile per-packet one-way delay: 51.861 ms

Loss rate: 0.03%

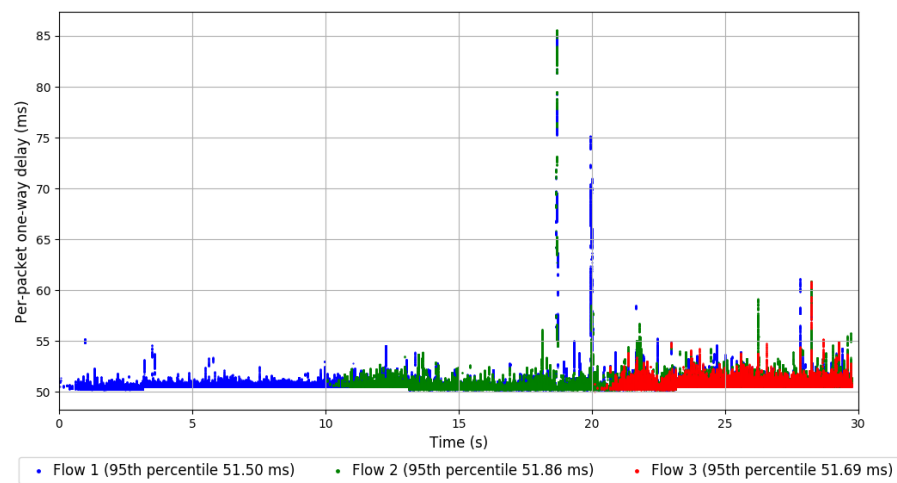
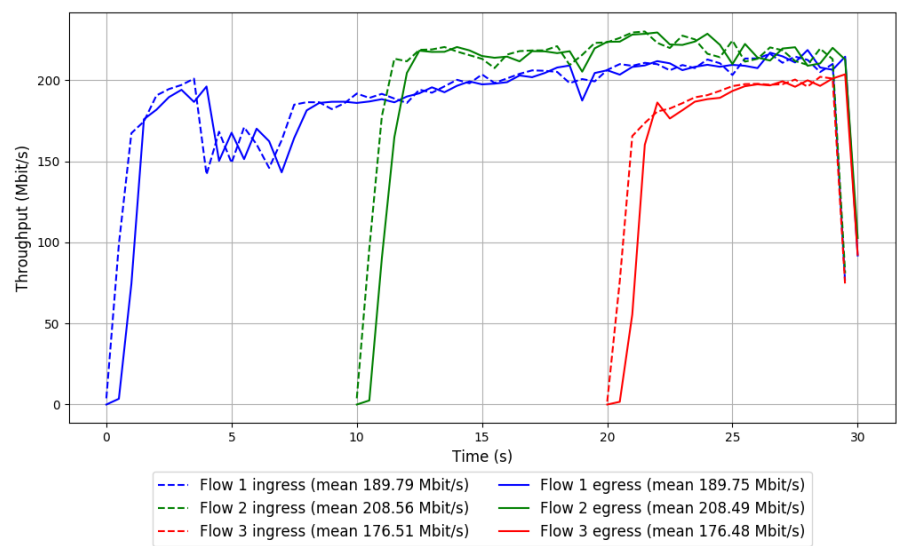
-- Flow 3:

Average throughput: 176.48 Mbit/s

95th percentile per-packet one-way delay: 51.694 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

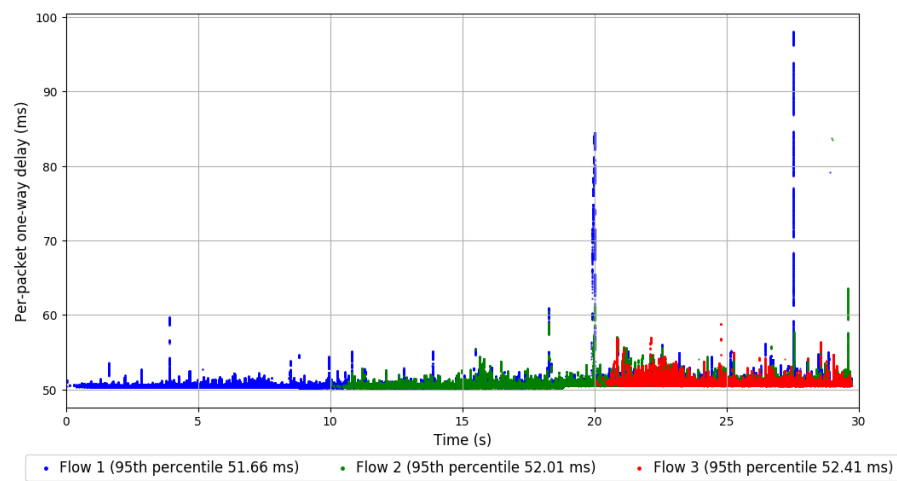
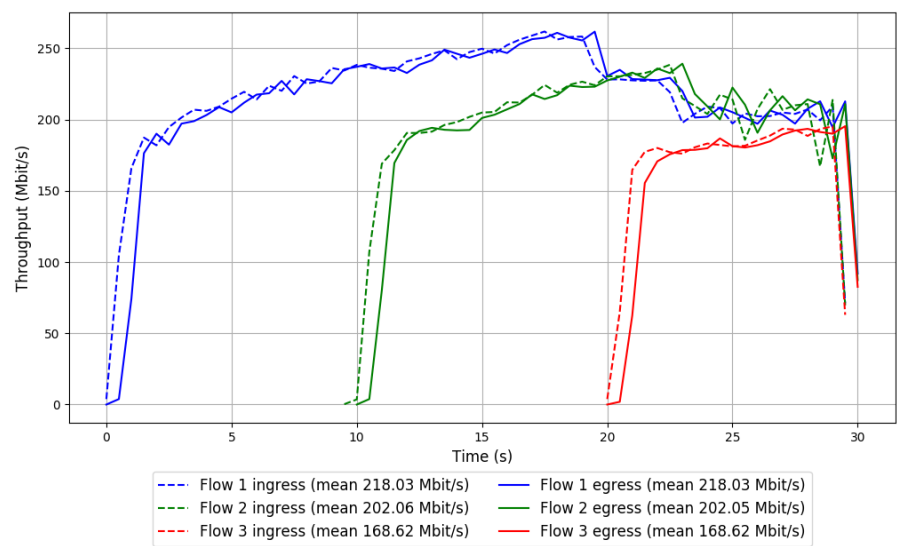


Run 5: Statistics of Indigo

Start at: 2018-08-03 12:23:09
End at: 2018-08-03 12:23:39
Local clock offset: -0.006 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.86 Mbit/s
95th percentile per-packet one-way delay: 51.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.03 Mbit/s
95th percentile per-packet one-way delay: 51.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 202.05 Mbit/s
95th percentile per-packet one-way delay: 52.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.62 Mbit/s
95th percentile per-packet one-way delay: 52.413 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

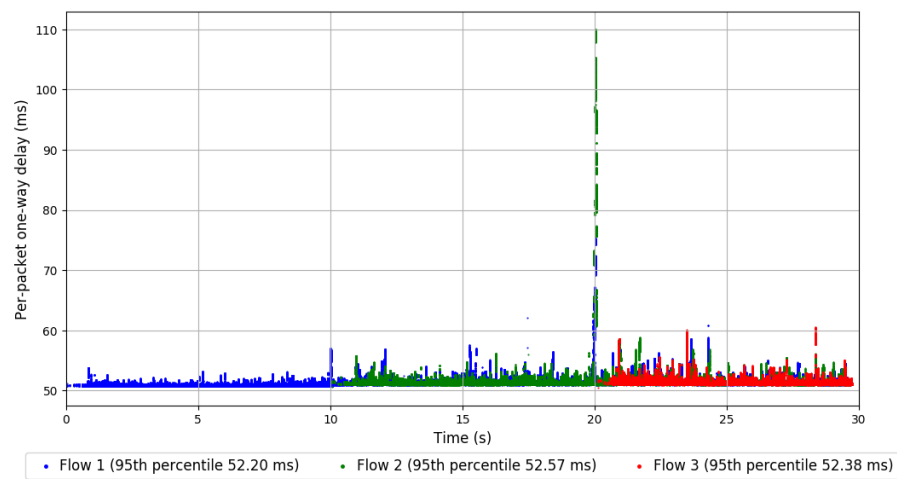
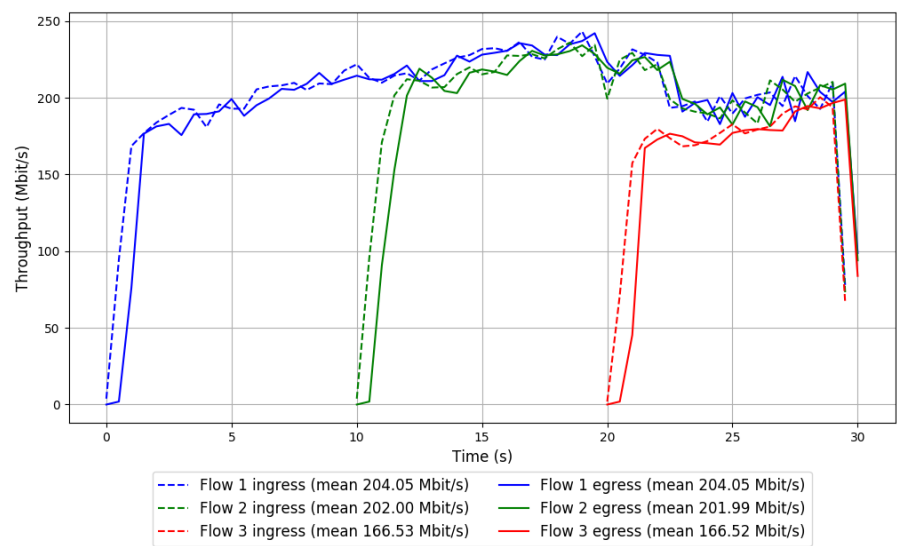


Run 6: Statistics of Indigo

Start at: 2018-08-03 12:48:48
End at: 2018-08-03 12:49:18
Local clock offset: -0.279 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.85 Mbit/s
95th percentile per-packet one-way delay: 52.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.05 Mbit/s
95th percentile per-packet one-way delay: 52.196 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.99 Mbit/s
95th percentile per-packet one-way delay: 52.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 166.52 Mbit/s
95th percentile per-packet one-way delay: 52.375 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

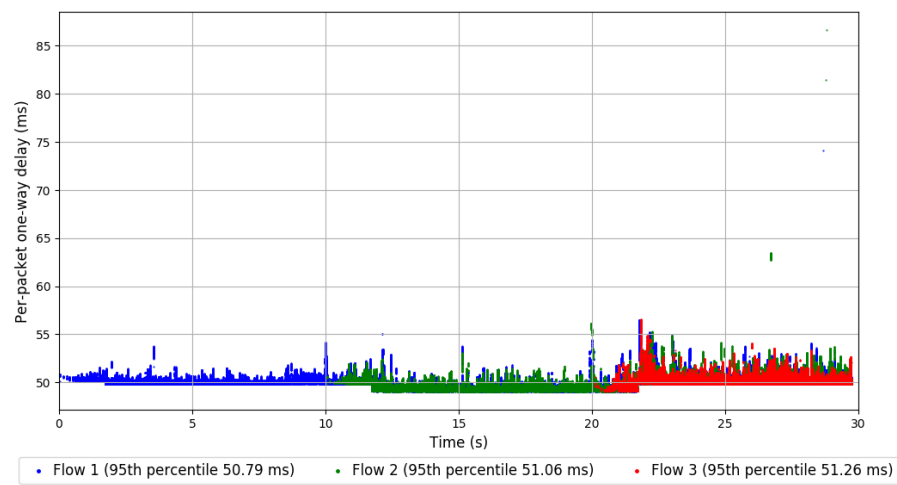
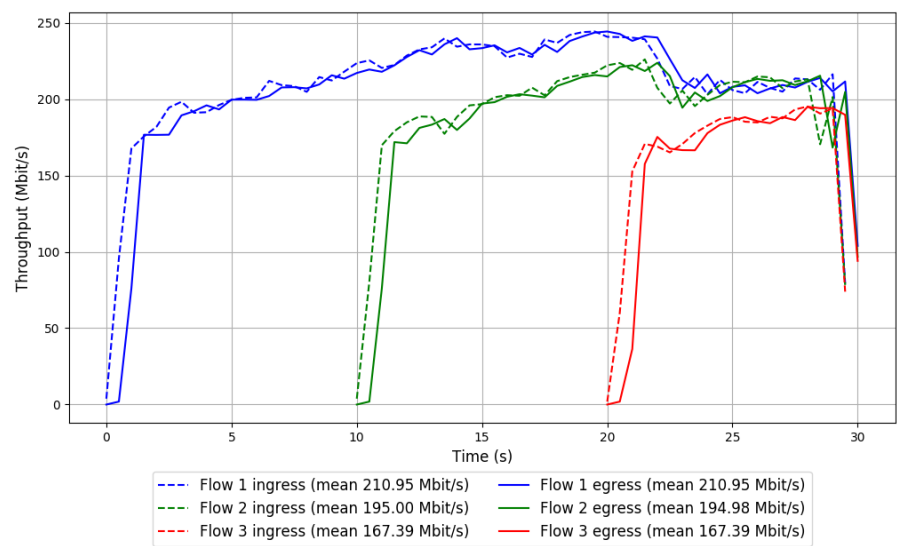


Run 7: Statistics of Indigo

Start at: 2018-08-03 13:14:26
End at: 2018-08-03 13:14:56
Local clock offset: 0.451 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.24 Mbit/s
95th percentile per-packet one-way delay: 50.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.95 Mbit/s
95th percentile per-packet one-way delay: 50.790 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.98 Mbit/s
95th percentile per-packet one-way delay: 51.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.39 Mbit/s
95th percentile per-packet one-way delay: 51.262 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

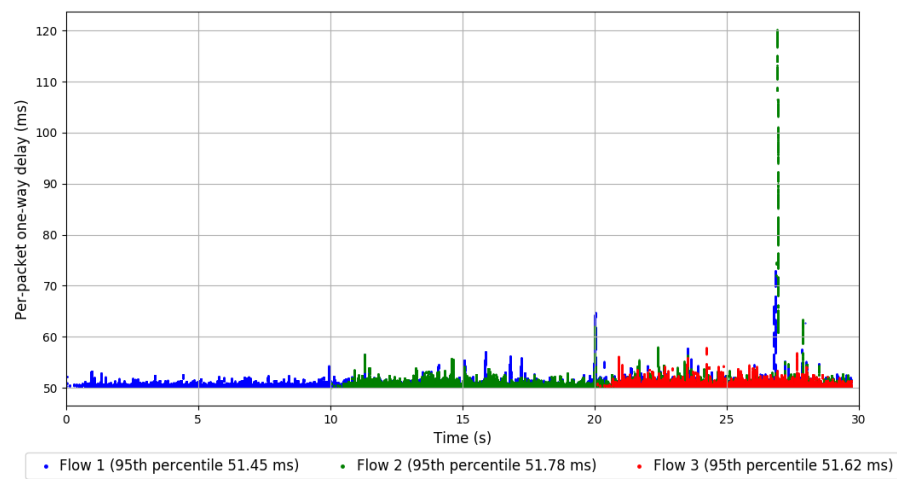
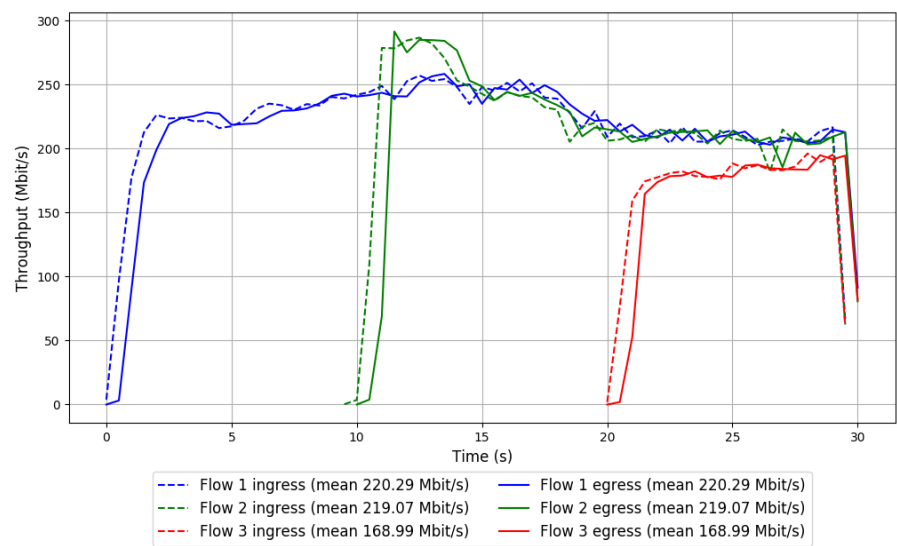


Run 8: Statistics of Indigo

Start at: 2018-08-03 13:40:03
End at: 2018-08-03 13:40:33
Local clock offset: 0.116 ms
Remote clock offset: -0.058 ms

```
# Below is generated by plot.py at 2018-08-03 17:08:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 420.27 Mbit/s
95th percentile per-packet one-way delay: 51.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.29 Mbit/s
95th percentile per-packet one-way delay: 51.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 219.07 Mbit/s
95th percentile per-packet one-way delay: 51.778 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.99 Mbit/s
95th percentile per-packet one-way delay: 51.625 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-03 14:05:30

End at: 2018-08-03 14:06:00

Local clock offset: 0.022 ms

Remote clock offset: 0.642 ms

Below is generated by plot.py at 2018-08-03 17:08:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.04 Mbit/s

95th percentile per-packet one-way delay: 52.401 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 216.99 Mbit/s

95th percentile per-packet one-way delay: 52.206 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 200.69 Mbit/s

95th percentile per-packet one-way delay: 52.708 ms

Loss rate: 0.00%

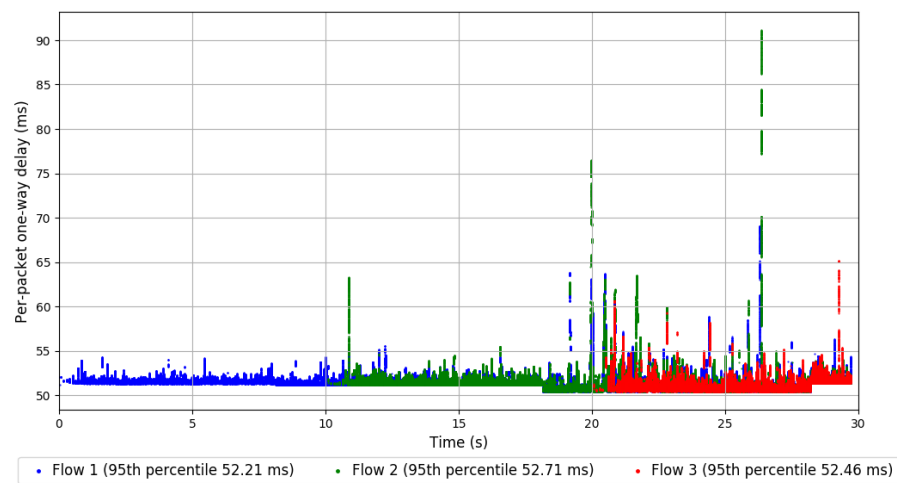
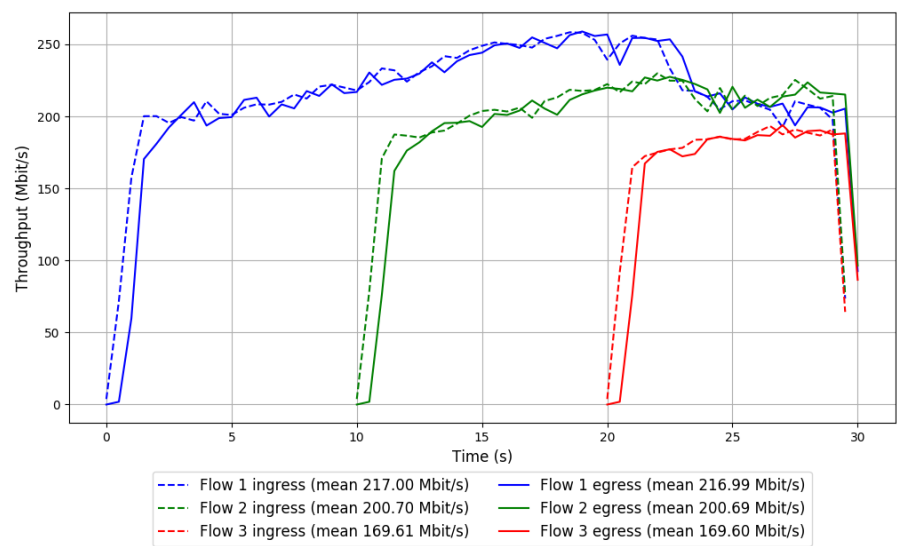
-- Flow 3:

Average throughput: 169.60 Mbit/s

95th percentile per-packet one-way delay: 52.464 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

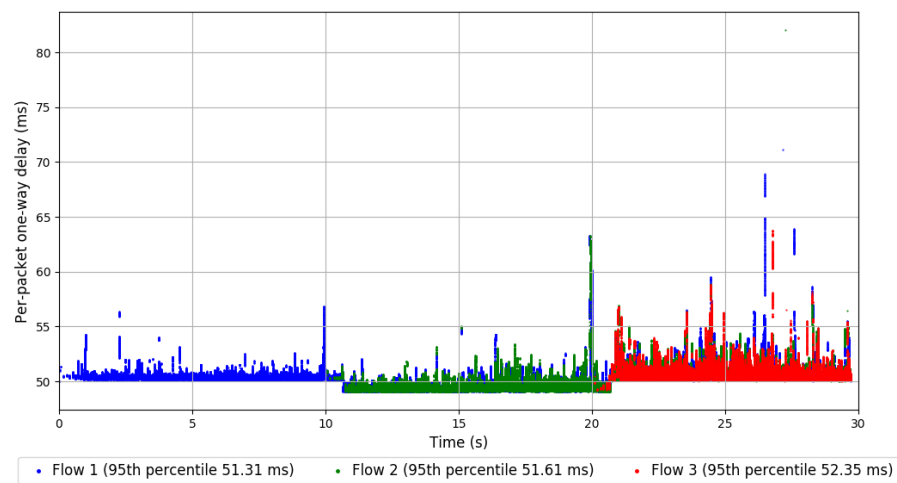
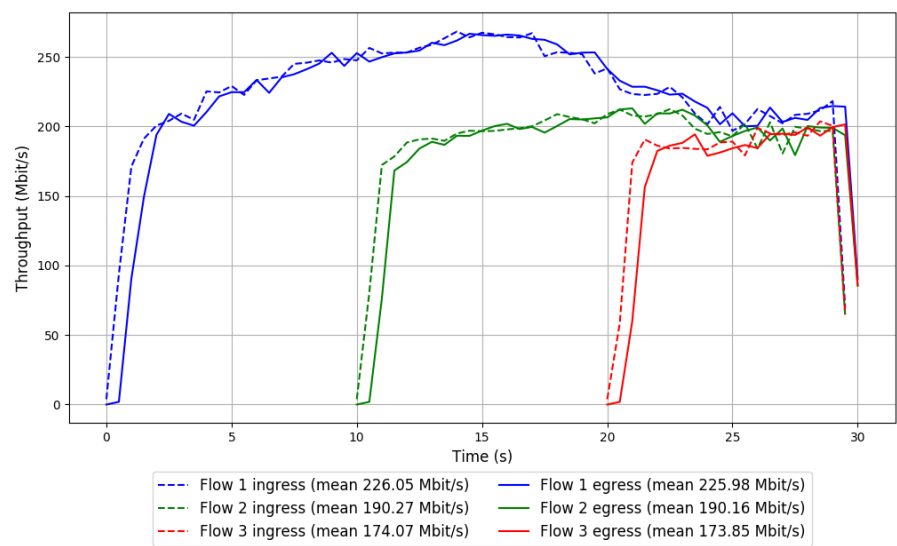


Run 10: Statistics of Indigo

Start at: 2018-08-03 14:30:47
End at: 2018-08-03 14:31:17
Local clock offset: 0.407 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.27 Mbit/s
95th percentile per-packet one-way delay: 51.597 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 225.98 Mbit/s
95th percentile per-packet one-way delay: 51.315 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 190.16 Mbit/s
95th percentile per-packet one-way delay: 51.610 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 173.85 Mbit/s
95th percentile per-packet one-way delay: 52.347 ms
Loss rate: 0.13%

Run 10: Report of Indigo — Data Link

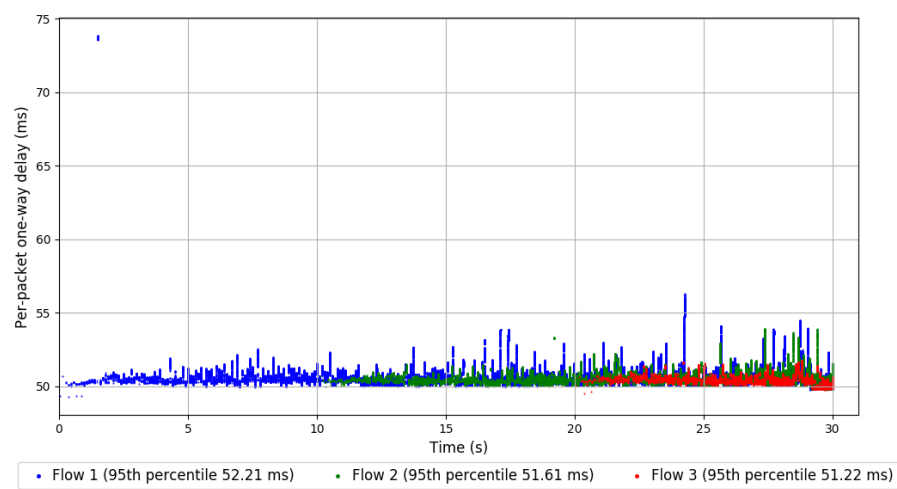
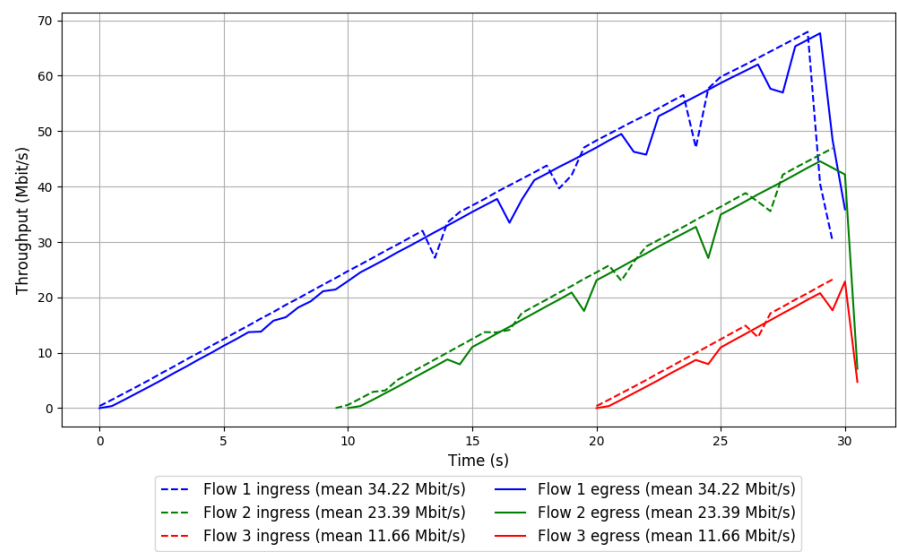


Run 1: Statistics of LEDBAT

Start at: 2018-08-03 10:52:09
End at: 2018-08-03 10:52:39
Local clock offset: 0.437 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 51.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 52.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 51.607 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 51.221 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

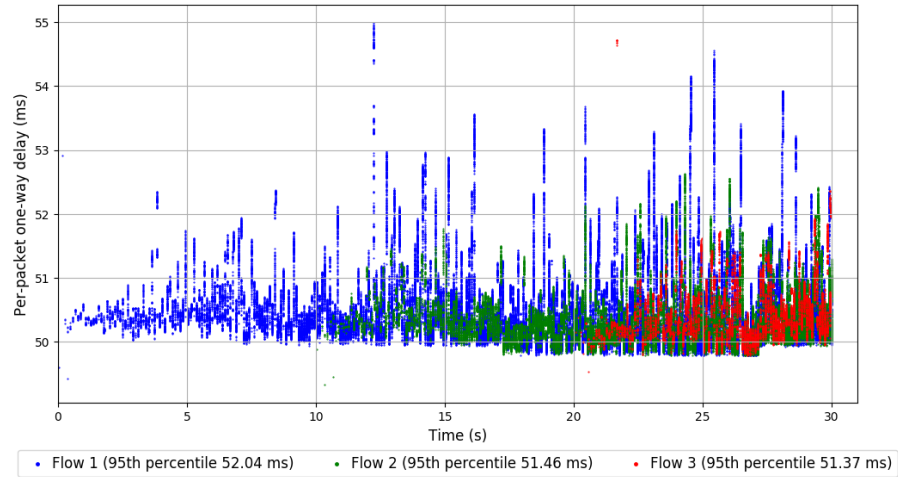
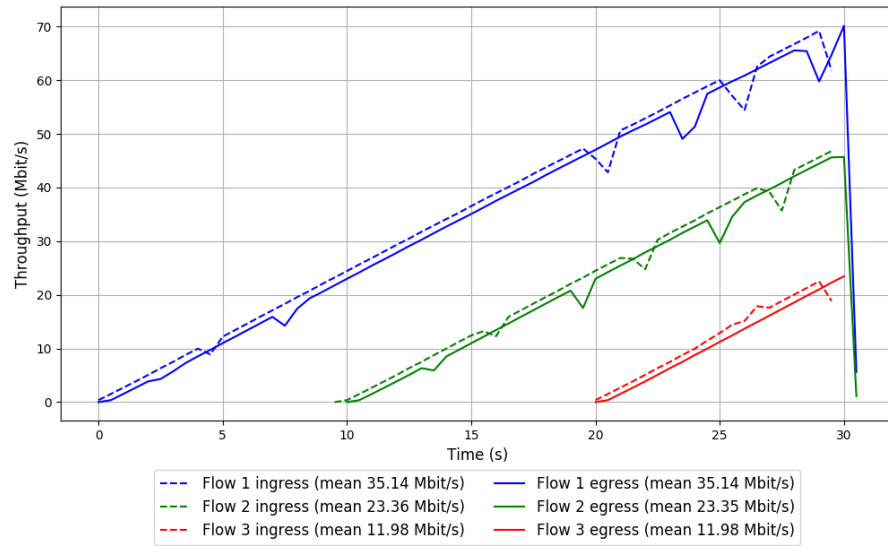


Run 2: Statistics of LEDBAT

Start at: 2018-08-03 11:17:41
End at: 2018-08-03 11:18:11
Local clock offset: 0.484 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.64 Mbit/s
95th percentile per-packet one-way delay: 51.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 52.044 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 51.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 51.370 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-03 11:43:15

End at: 2018-08-03 11:43:45

Local clock offset: -0.012 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-08-03 17:08:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.70 Mbit/s

95th percentile per-packet one-way delay: 51.400 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 51.367 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.28 Mbit/s

95th percentile per-packet one-way delay: 51.454 ms

Loss rate: 0.00%

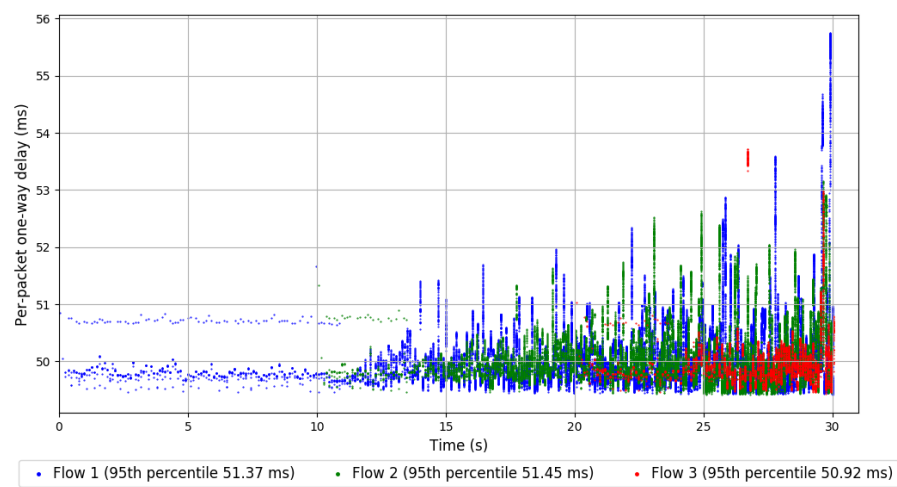
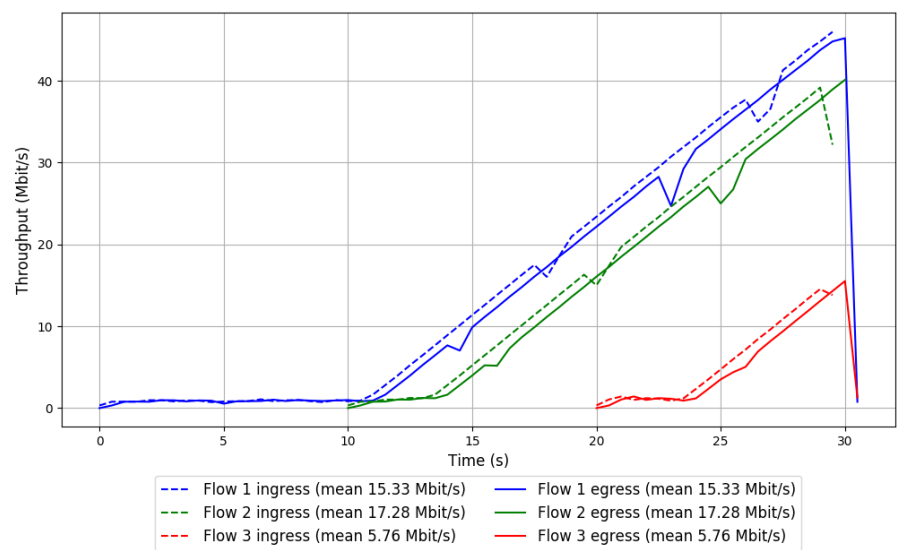
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 50.917 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

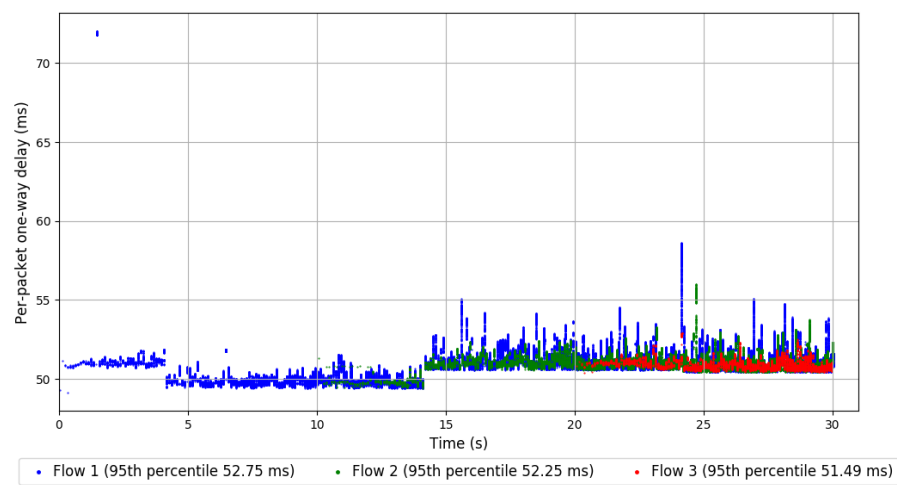
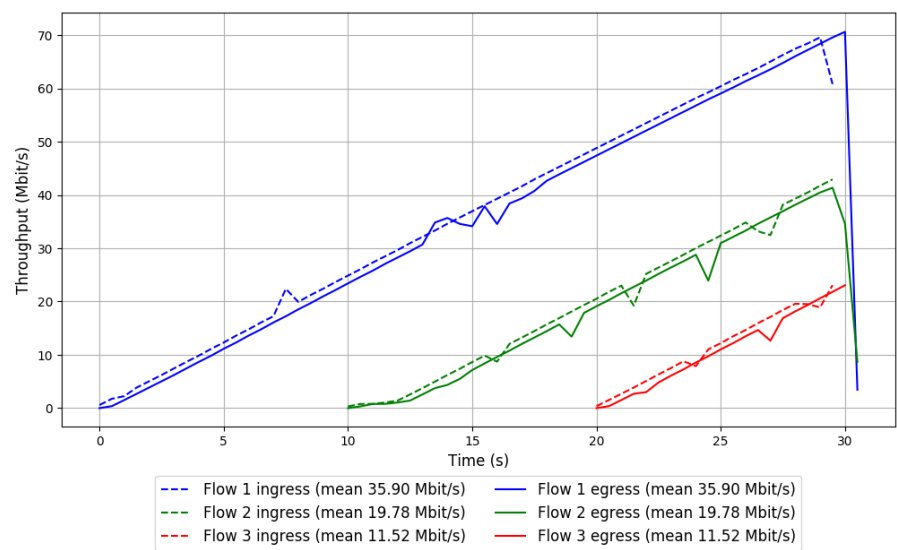


Run 4: Statistics of LEDBAT

Start at: 2018-08-03 12:08:44
End at: 2018-08-03 12:09:14
Local clock offset: -0.037 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 52.552 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 52.753 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 52.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 51.489 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

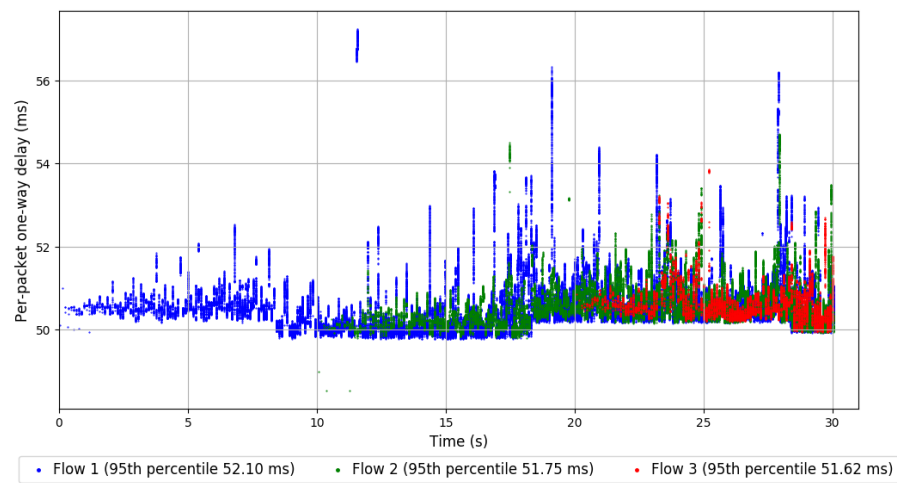
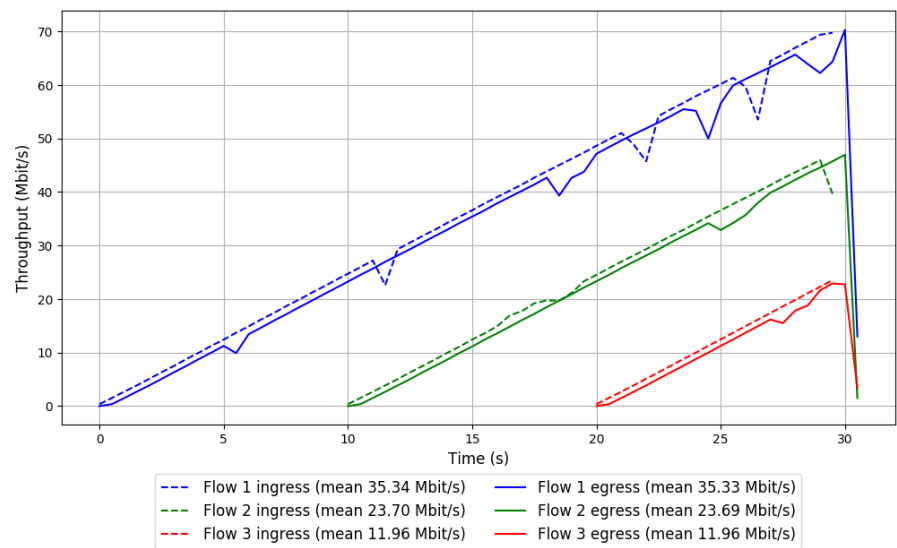


Run 5: Statistics of LEDBAT

Start at: 2018-08-03 12:34:10
End at: 2018-08-03 12:34:40
Local clock offset: 0.334 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 51.896 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 52.098 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 51.752 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 51.622 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

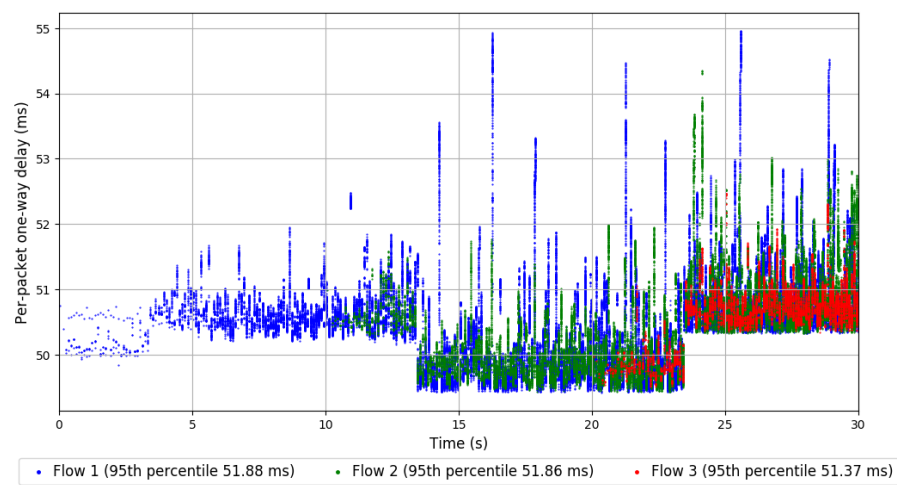
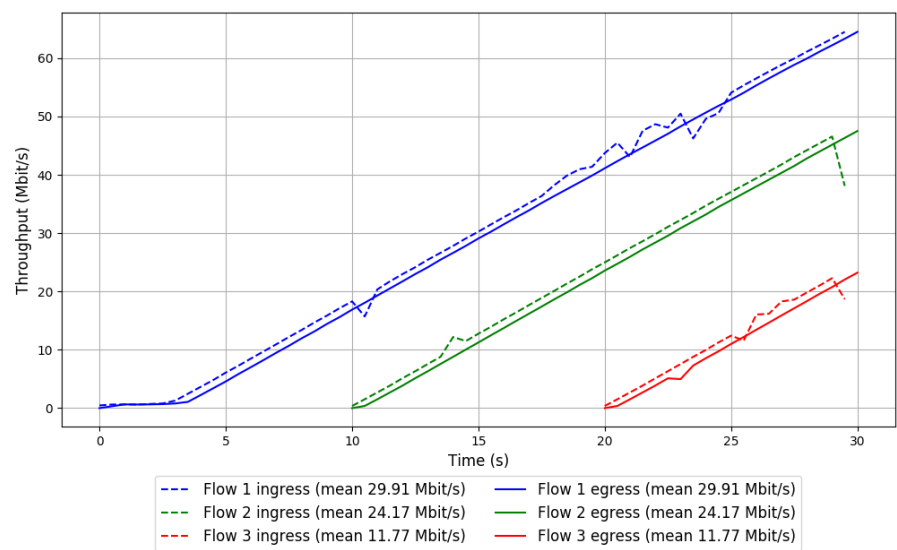


Run 6: Statistics of LEDBAT

Start at: 2018-08-03 12:59:45
End at: 2018-08-03 13:00:15
Local clock offset: 0.044 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 51.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 51.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 51.864 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 51.365 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

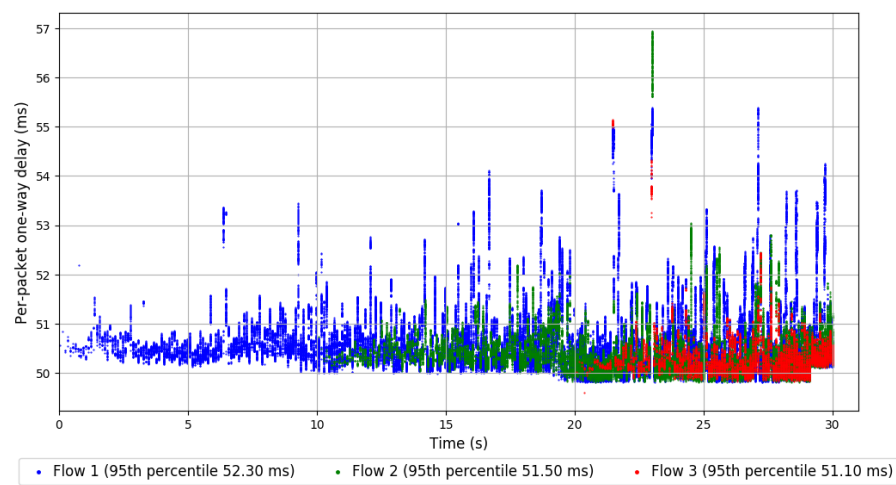
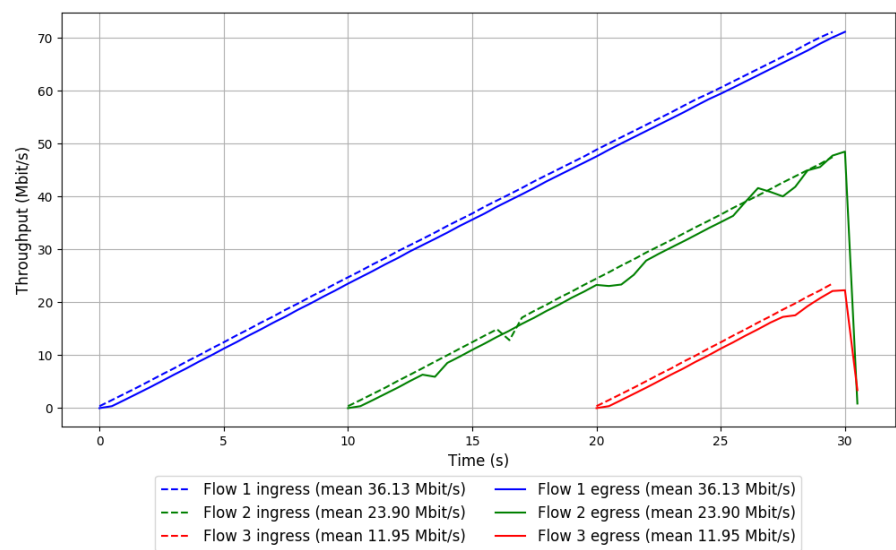


Run 7: Statistics of LEDBAT

Start at: 2018-08-03 13:25:29
End at: 2018-08-03 13:25:59
Local clock offset: 0.426 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 52.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 52.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 51.504 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

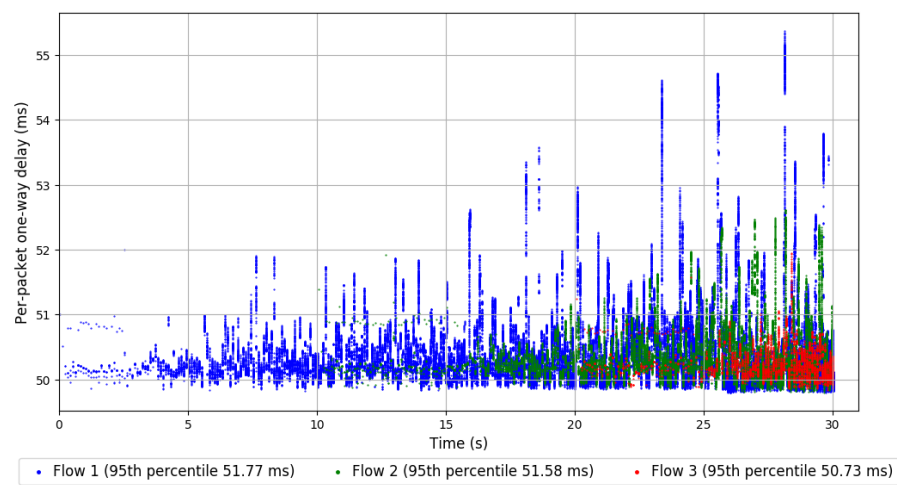
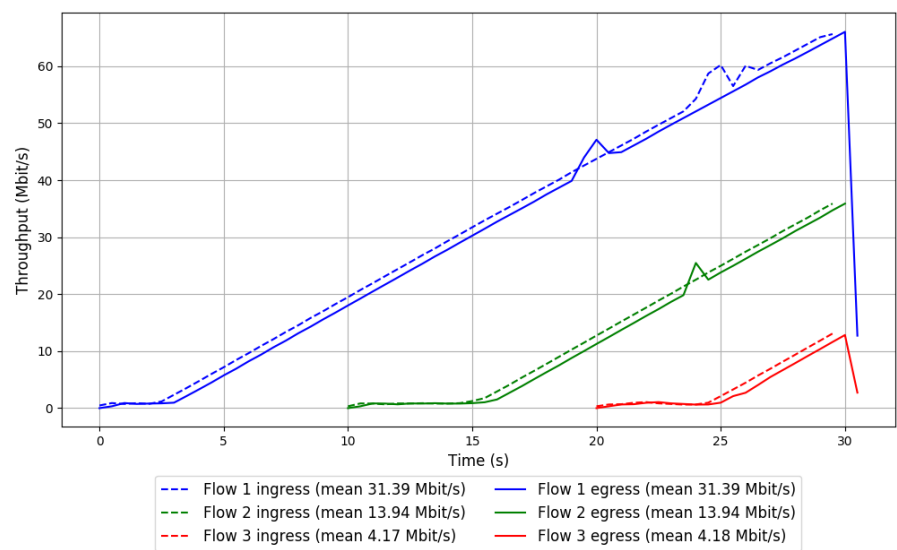


Run 8: Statistics of LEDBAT

Start at: 2018-08-03 13:51:02
End at: 2018-08-03 13:51:32
Local clock offset: -0.319 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 51.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 51.575 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 50.730 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

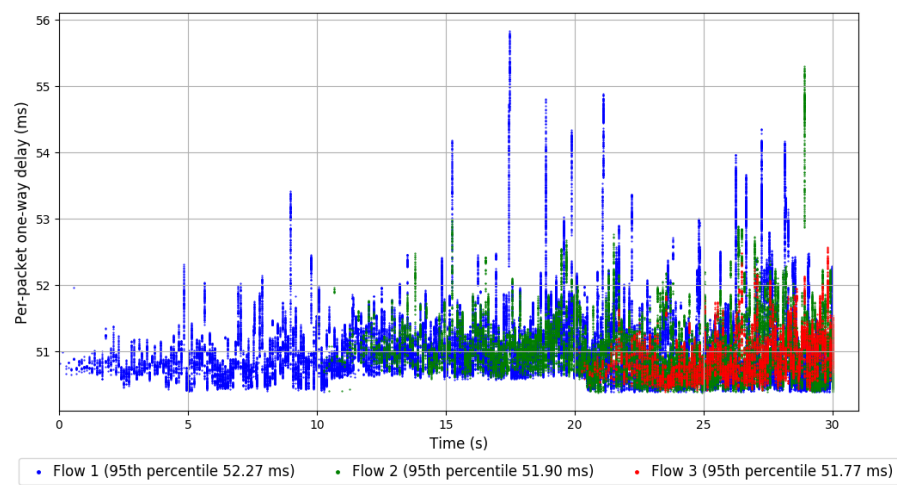
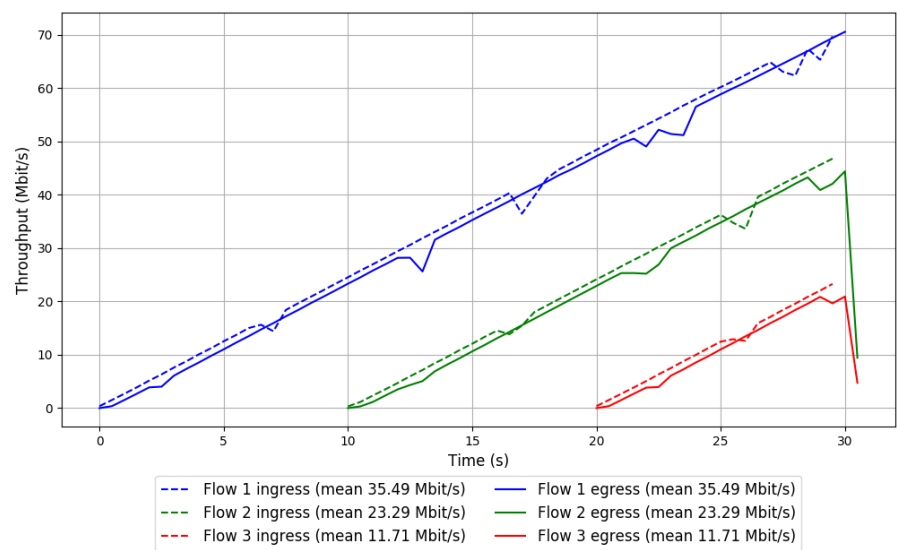


Run 9: Statistics of LEDBAT

Start at: 2018-08-03 14:16:18
End at: 2018-08-03 14:16:48
Local clock offset: 0.022 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.82 Mbit/s
95th percentile per-packet one-way delay: 52.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 52.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 51.904 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

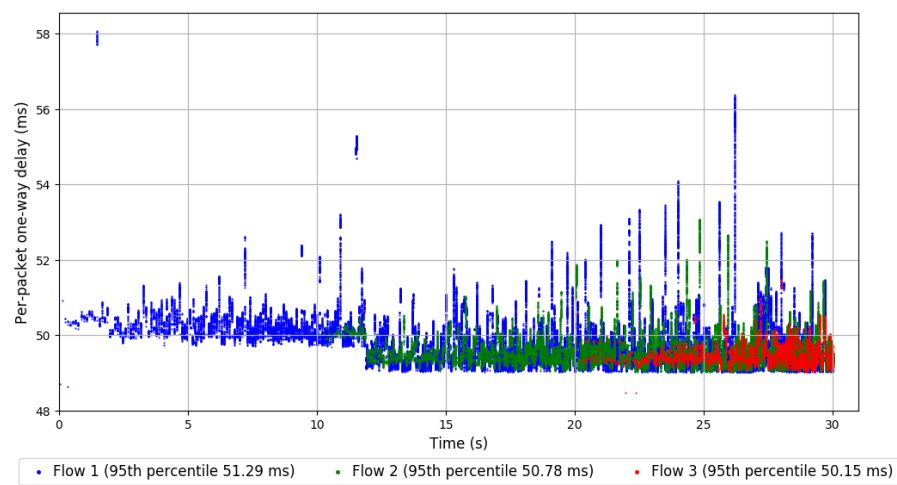
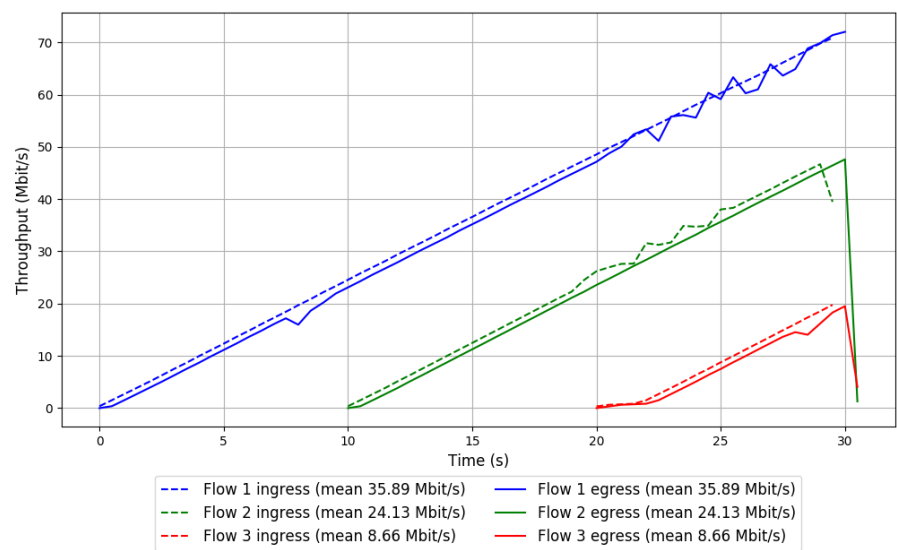


Run 10: Statistics of LEDBAT

Start at: 2018-08-03 14:41:36
End at: 2018-08-03 14:42:06
Local clock offset: 0.447 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-03 17:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 51.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 50.145 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

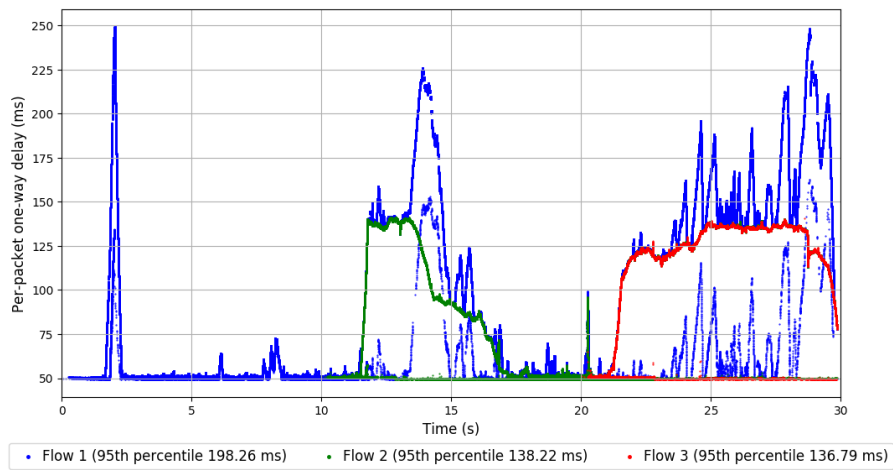
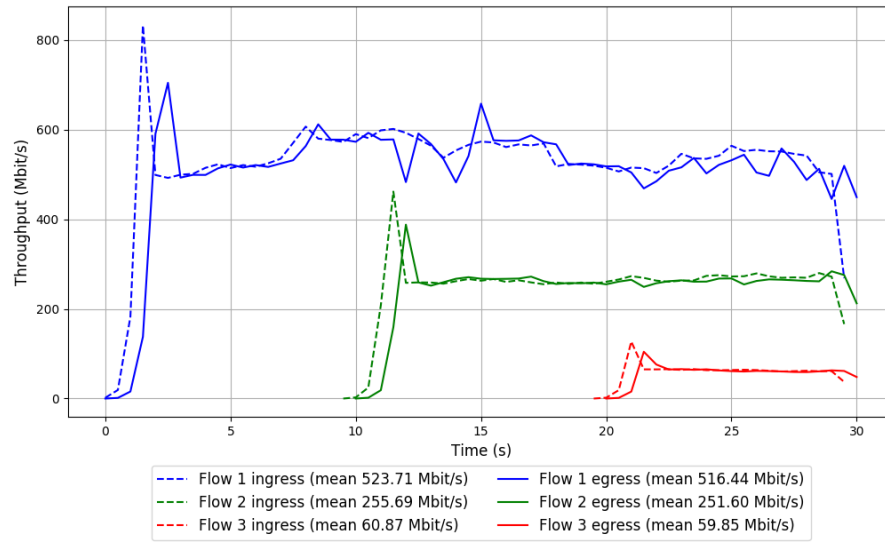


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-03 10:57:45
End at: 2018-08-03 10:58:15
Local clock offset: 0.121 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-08-03 17:15:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 703.65 Mbit/s
95th percentile per-packet one-way delay: 186.319 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 516.44 Mbit/s
95th percentile per-packet one-way delay: 198.256 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 251.60 Mbit/s
95th percentile per-packet one-way delay: 138.224 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 136.789 ms
Loss rate: 1.63%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-03 11:23:16

End at: 2018-08-03 11:23:46

Local clock offset: 0.158 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-03 17:16:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 704.60 Mbit/s

95th percentile per-packet one-way delay: 159.239 ms

Loss rate: 7.25%

-- Flow 1:

Average throughput: 515.73 Mbit/s

95th percentile per-packet one-way delay: 167.237 ms

Loss rate: 6.86%

-- Flow 2:

Average throughput: 234.35 Mbit/s

95th percentile per-packet one-way delay: 144.271 ms

Loss rate: 7.35%

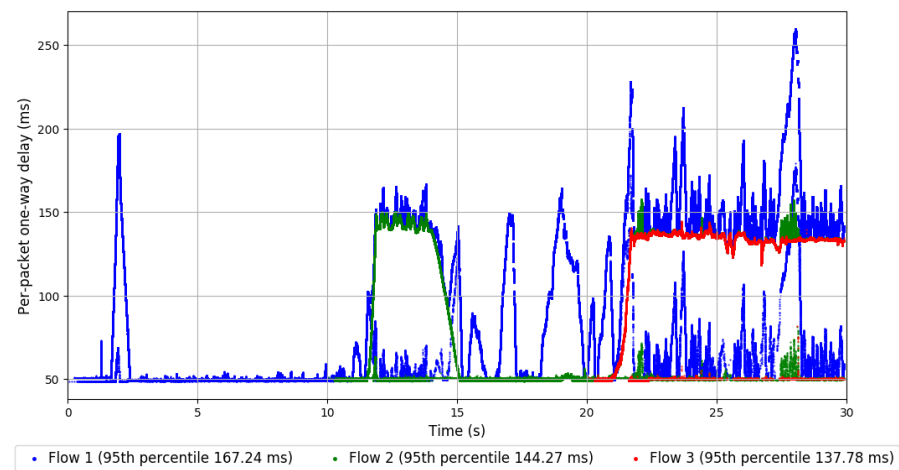
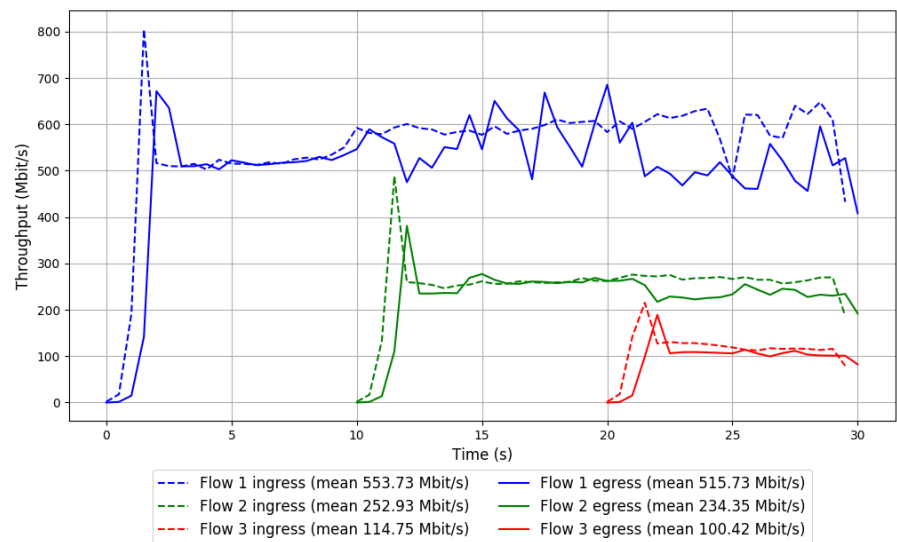
-- Flow 3:

Average throughput: 100.42 Mbit/s

95th percentile per-packet one-way delay: 137.779 ms

Loss rate: 12.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-03 11:48:51

End at: 2018-08-03 11:49:21

Local clock offset: -0.4 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-08-03 17:17:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 720.15 Mbit/s

95th percentile per-packet one-way delay: 189.129 ms

Loss rate: 3.00%

-- Flow 1:

Average throughput: 562.00 Mbit/s

95th percentile per-packet one-way delay: 204.436 ms

Loss rate: 3.07%

-- Flow 2:

Average throughput: 235.95 Mbit/s

95th percentile per-packet one-way delay: 137.944 ms

Loss rate: 2.79%

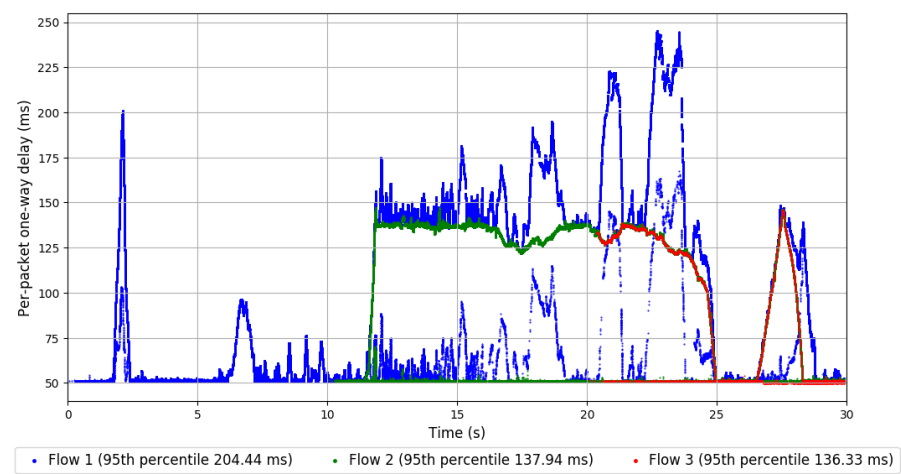
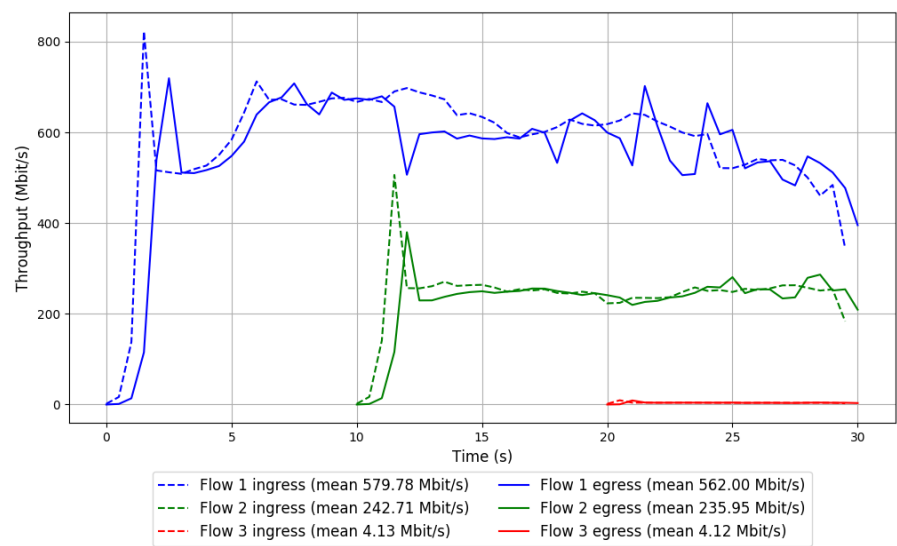
-- Flow 3:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 136.330 ms

Loss rate: 0.27%

Run 3: Report of PCC-Allegro — Data Link

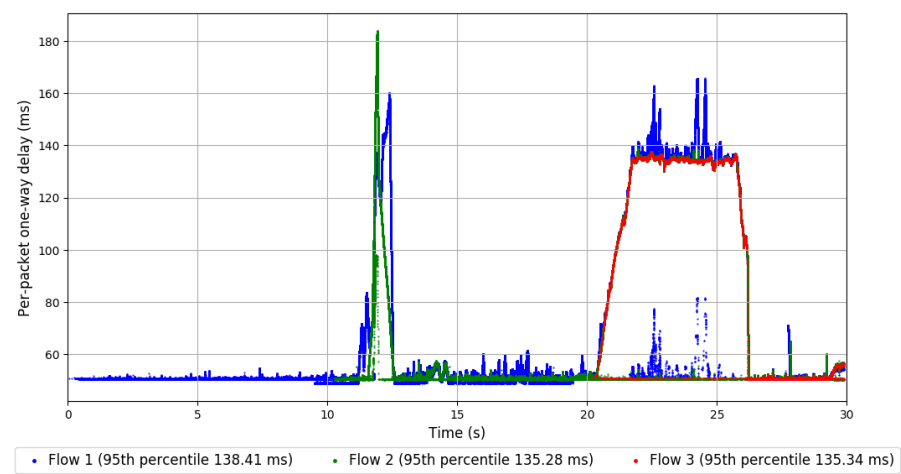
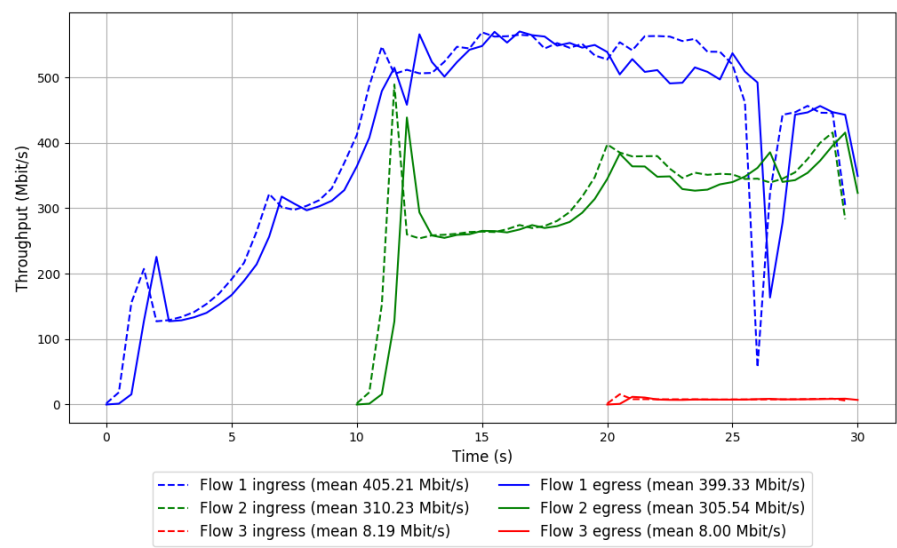


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-03 12:14:19
End at: 2018-08-03 12:14:49
Local clock offset: -0.035 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-08-03 17:17:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.05 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 399.33 Mbit/s
95th percentile per-packet one-way delay: 138.415 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 305.54 Mbit/s
95th percentile per-packet one-way delay: 135.280 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 135.342 ms
Loss rate: 2.30%

Run 4: Report of PCC-Allegro — Data Link

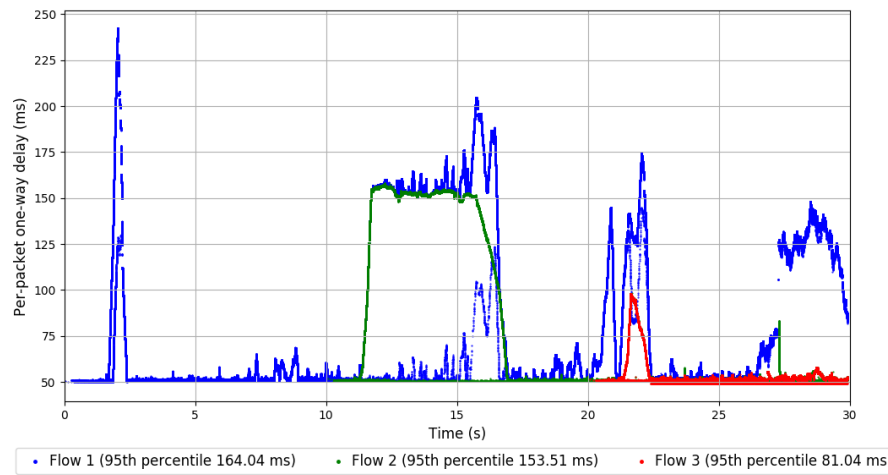
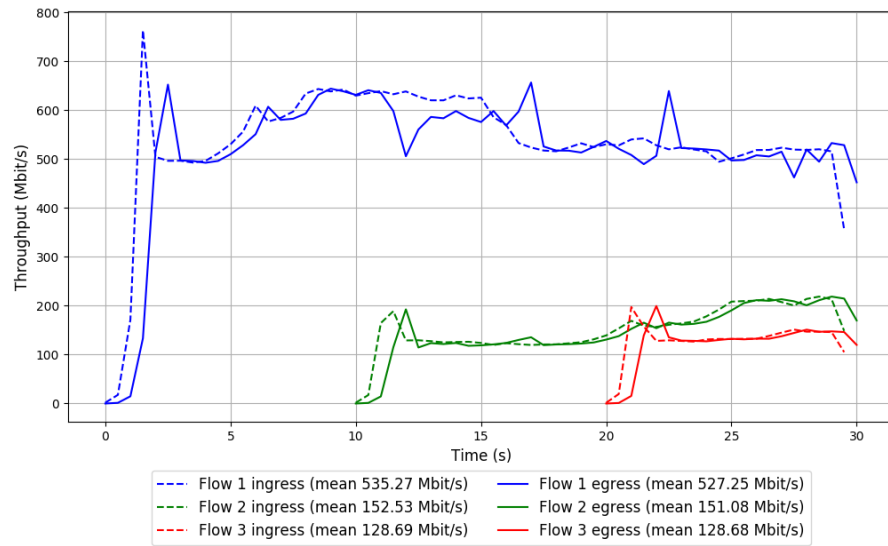


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-03 12:39:46
End at: 2018-08-03 12:40:16
Local clock offset: -0.355 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-03 17:18:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 669.96 Mbit/s
95th percentile per-packet one-way delay: 159.803 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 527.25 Mbit/s
95th percentile per-packet one-way delay: 164.042 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 151.08 Mbit/s
95th percentile per-packet one-way delay: 153.506 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 128.68 Mbit/s
95th percentile per-packet one-way delay: 81.041 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

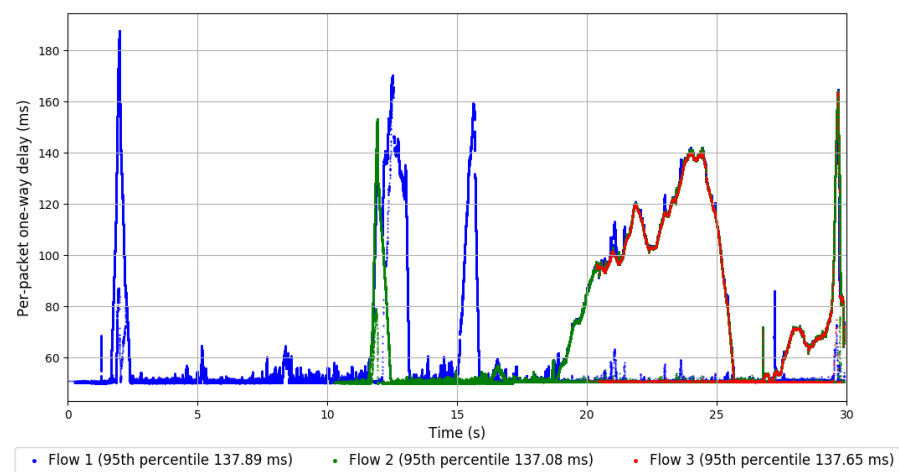
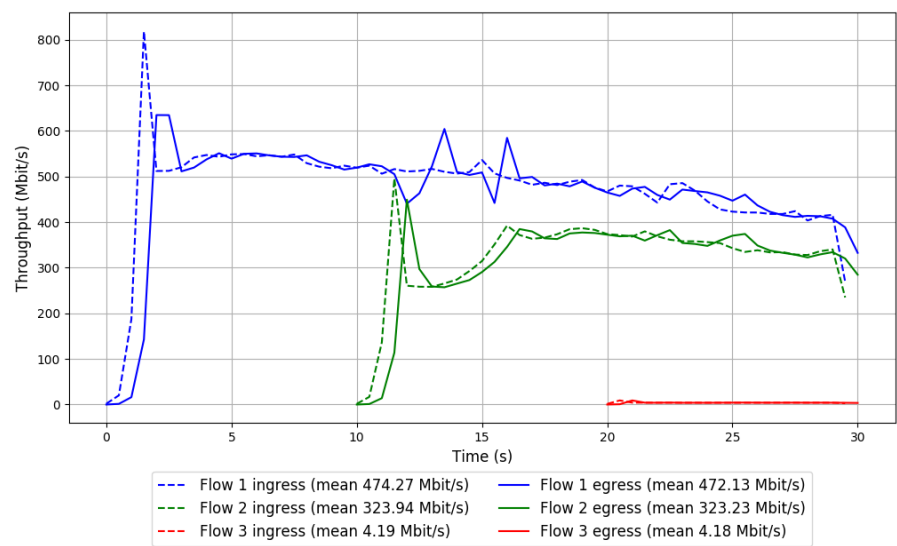


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-03 13:05:21
End at: 2018-08-03 13:05:51
Local clock offset: -0.243 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-03 17:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 688.19 Mbit/s
95th percentile per-packet one-way delay: 137.537 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 472.13 Mbit/s
95th percentile per-packet one-way delay: 137.893 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 323.23 Mbit/s
95th percentile per-packet one-way delay: 137.081 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 137.649 ms
Loss rate: 0.26%

Run 6: Report of PCC-Allegro — Data Link

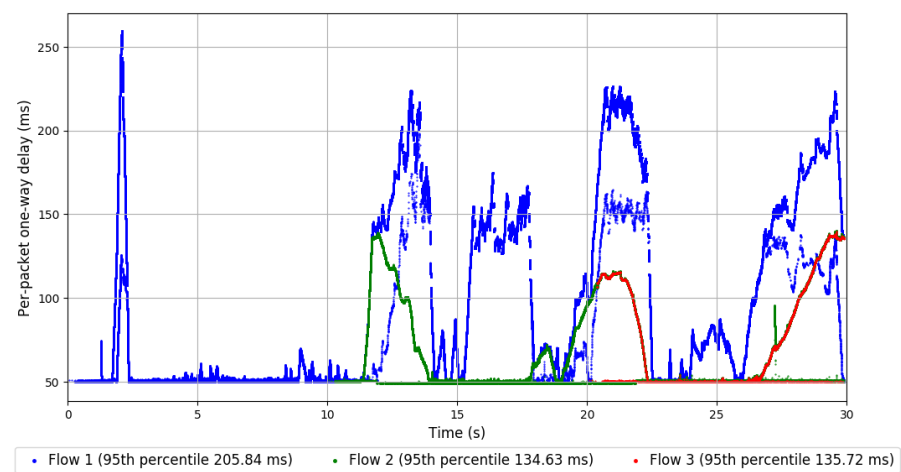
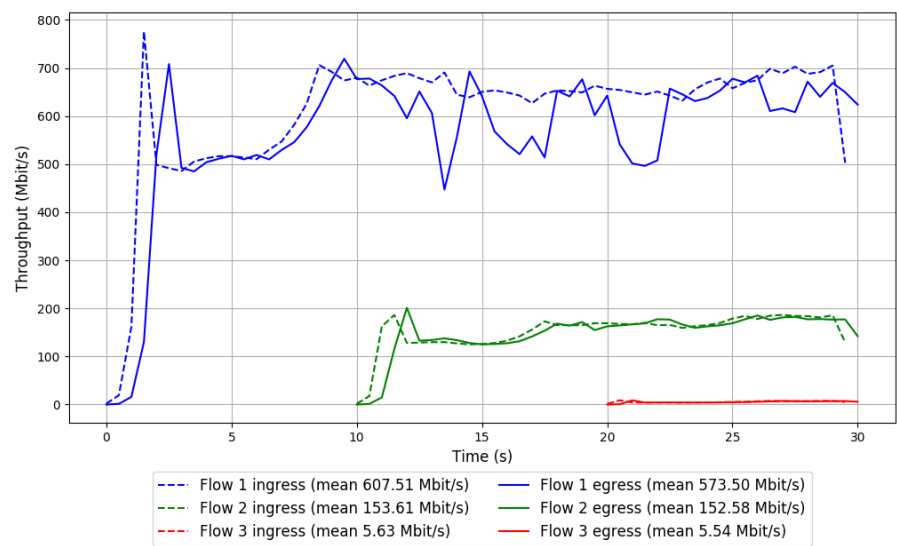


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-03 13:31:06
End at: 2018-08-03 13:31:36
Local clock offset: -0.206 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-03 17:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 676.72 Mbit/s
95th percentile per-packet one-way delay: 199.609 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 573.50 Mbit/s
95th percentile per-packet one-way delay: 205.838 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 152.58 Mbit/s
95th percentile per-packet one-way delay: 134.633 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 135.721 ms
Loss rate: 1.54%

Run 7: Report of PCC-Allegro — Data Link

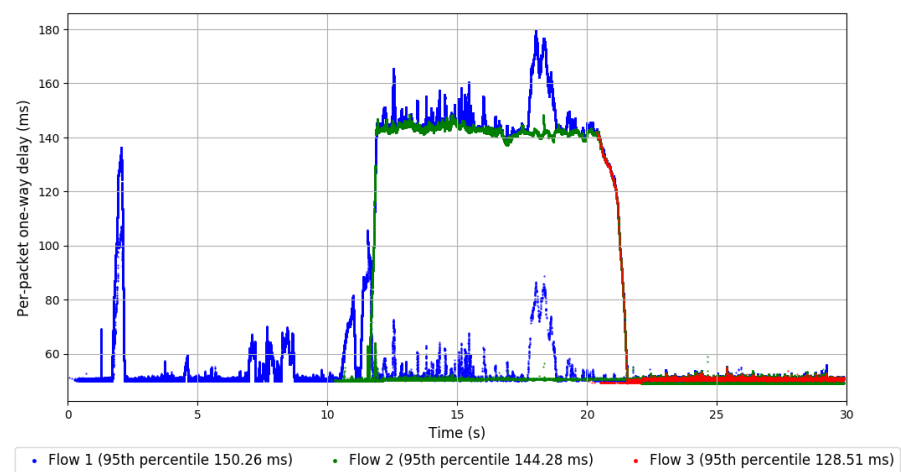
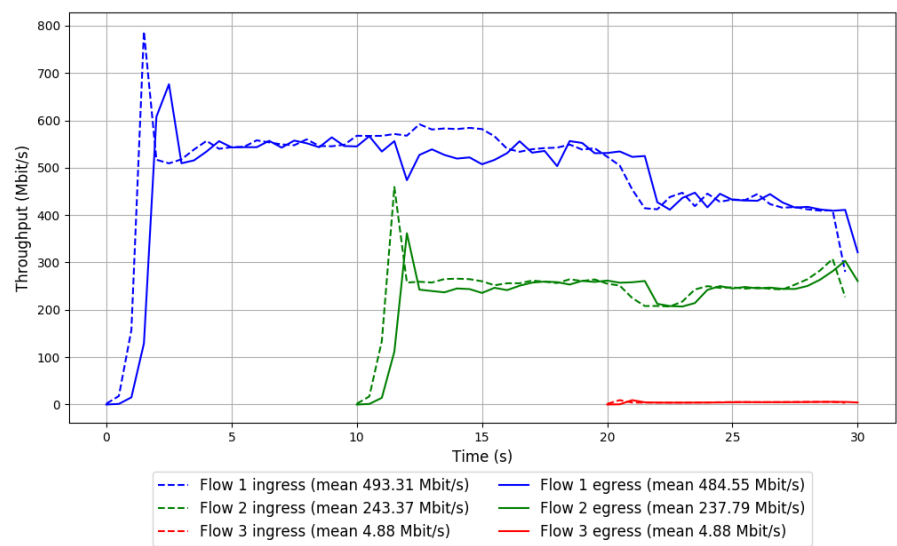


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-03 13:56:36
End at: 2018-08-03 13:57:06
Local clock offset: -0.319 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-03 17:22:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 644.11 Mbit/s
95th percentile per-packet one-way delay: 147.713 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 484.55 Mbit/s
95th percentile per-packet one-way delay: 150.264 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 237.79 Mbit/s
95th percentile per-packet one-way delay: 144.284 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 128.513 ms
Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link

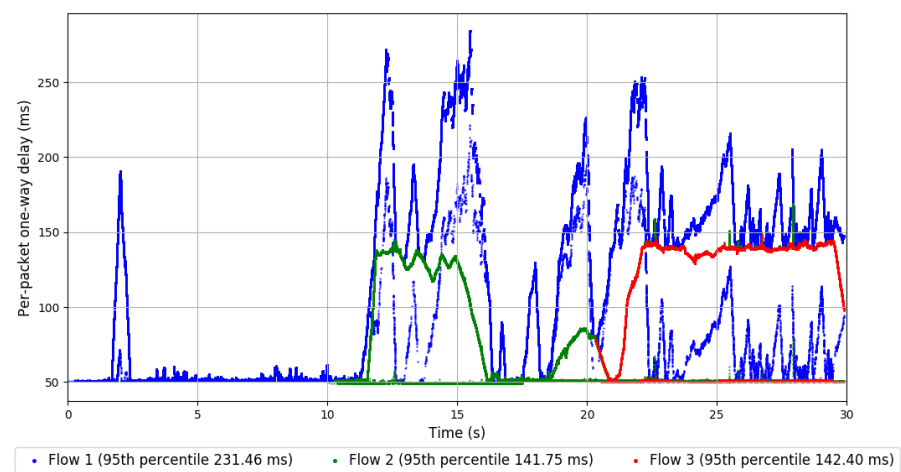
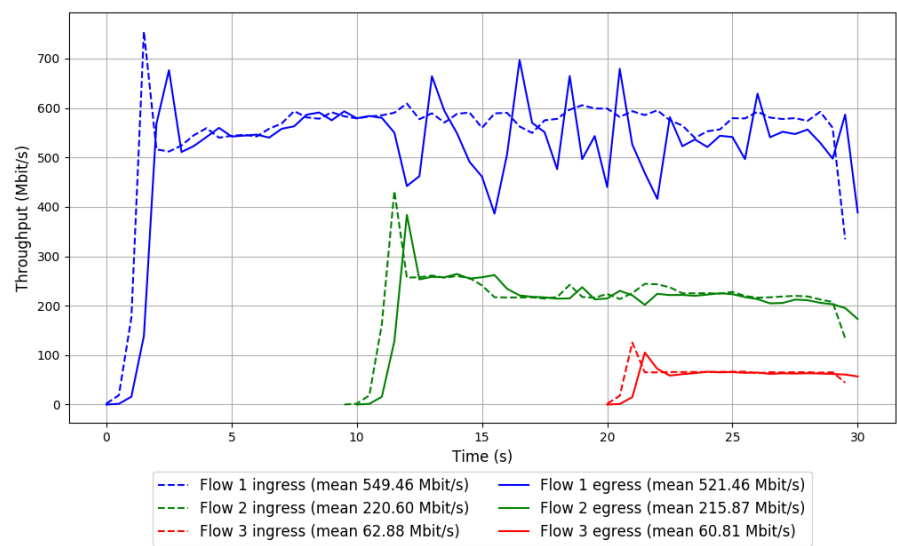


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-03 14:21:51
End at: 2018-08-03 14:22:21
Local clock offset: -0.279 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-03 17:26:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 685.05 Mbit/s
95th percentile per-packet one-way delay: 215.486 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 521.46 Mbit/s
95th percentile per-packet one-way delay: 231.463 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 215.87 Mbit/s
95th percentile per-packet one-way delay: 141.753 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 142.399 ms
Loss rate: 3.26%

Run 9: Report of PCC-Allegro — Data Link

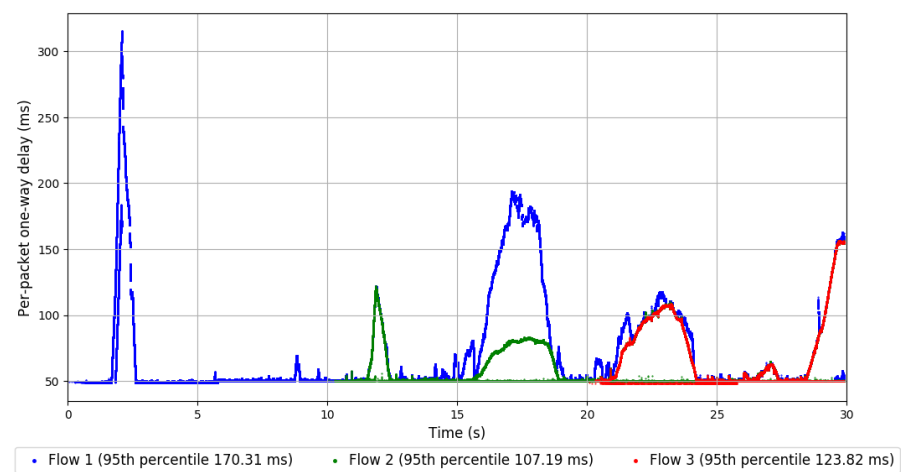
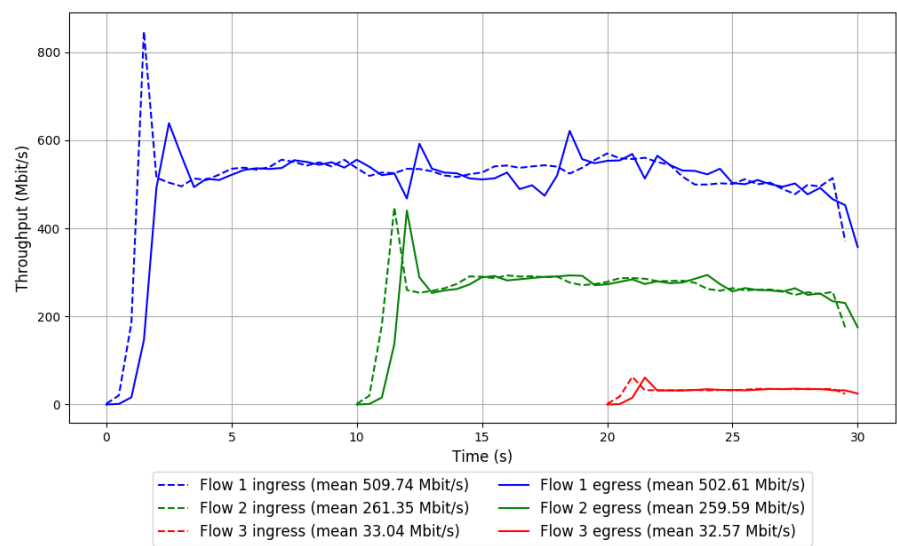


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-03 14:47:12
End at: 2018-08-03 14:47:42
Local clock offset: 0.42 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-03 17:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 685.82 Mbit/s
95th percentile per-packet one-way delay: 156.687 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 502.61 Mbit/s
95th percentile per-packet one-way delay: 170.309 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 259.59 Mbit/s
95th percentile per-packet one-way delay: 107.187 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 123.816 ms
Loss rate: 1.42%

Run 10: Report of PCC-Allegro — Data Link

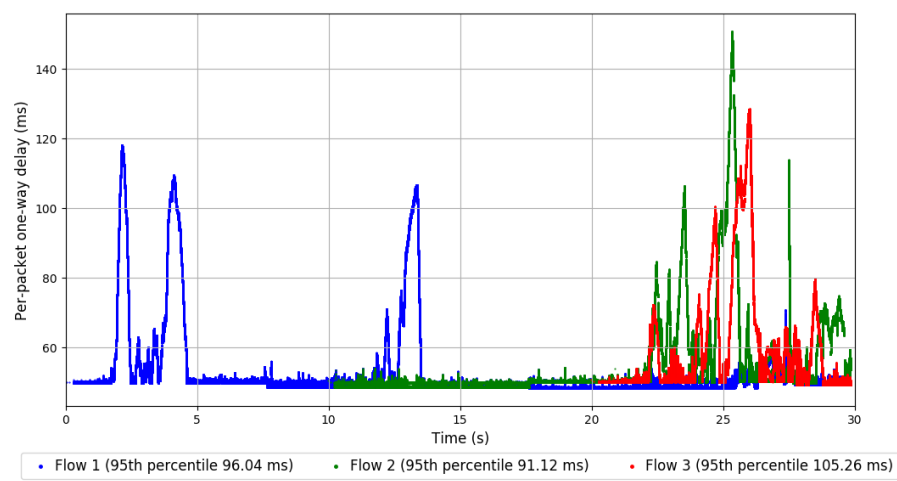
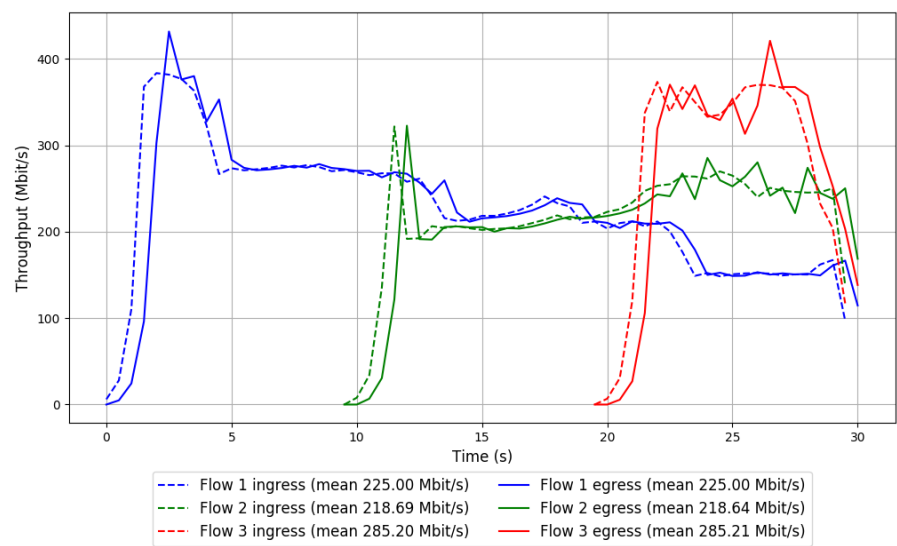


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-03 10:53:20
End at: 2018-08-03 10:53:50
Local clock offset: 0.429 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-08-03 17:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.17 Mbit/s
95th percentile per-packet one-way delay: 97.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.00 Mbit/s
95th percentile per-packet one-way delay: 96.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.64 Mbit/s
95th percentile per-packet one-way delay: 91.122 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 285.21 Mbit/s
95th percentile per-packet one-way delay: 105.261 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

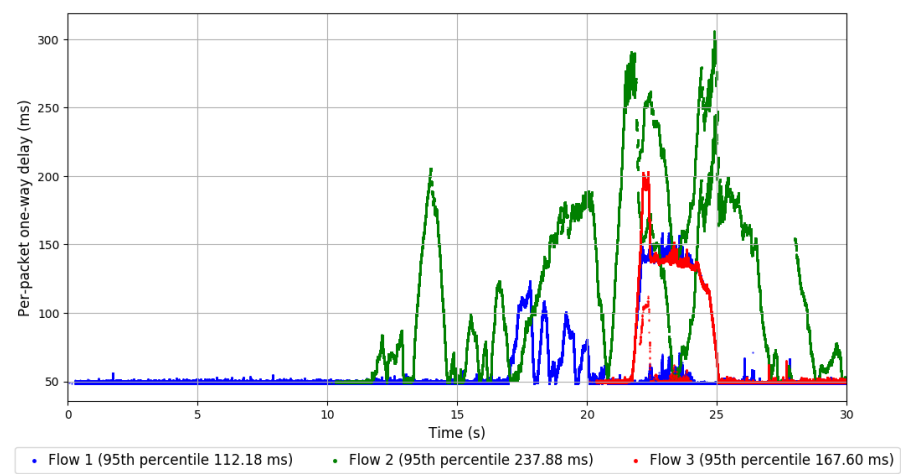
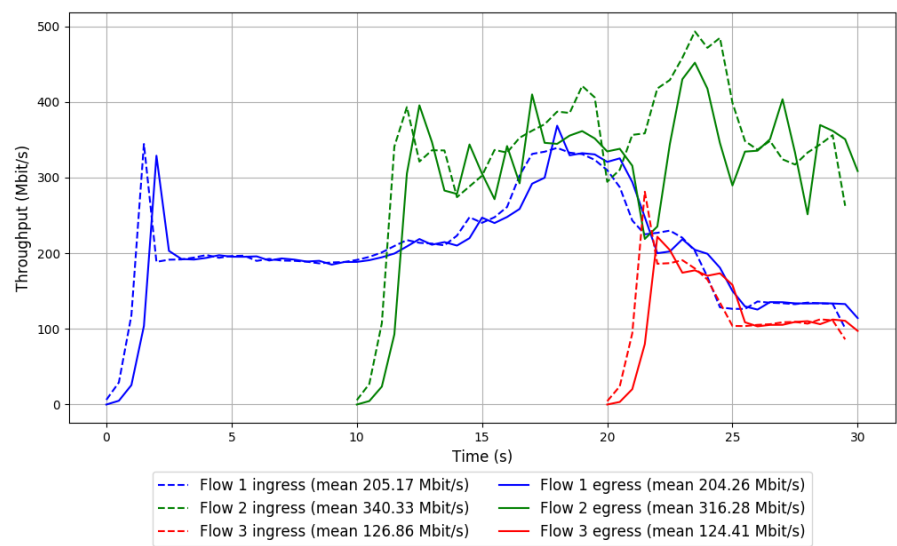


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-03 11:18:52
End at: 2018-08-03 11:19:22
Local clock offset: 0.488 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-08-03 17:33:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.61 Mbit/s
95th percentile per-packet one-way delay: 189.686 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 204.26 Mbit/s
95th percentile per-packet one-way delay: 112.181 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 316.28 Mbit/s
95th percentile per-packet one-way delay: 237.876 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 124.41 Mbit/s
95th percentile per-packet one-way delay: 167.604 ms
Loss rate: 2.00%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-03 11:44:25

End at: 2018-08-03 11:44:55

Local clock offset: -0.387 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-03 17:34:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 455.53 Mbit/s

95th percentile per-packet one-way delay: 197.052 ms

Loss rate: 2.33%

-- Flow 1:

Average throughput: 302.50 Mbit/s

95th percentile per-packet one-way delay: 200.397 ms

Loss rate: 3.46%

-- Flow 2:

Average throughput: 200.88 Mbit/s

95th percentile per-packet one-way delay: 57.896 ms

Loss rate: 0.00%

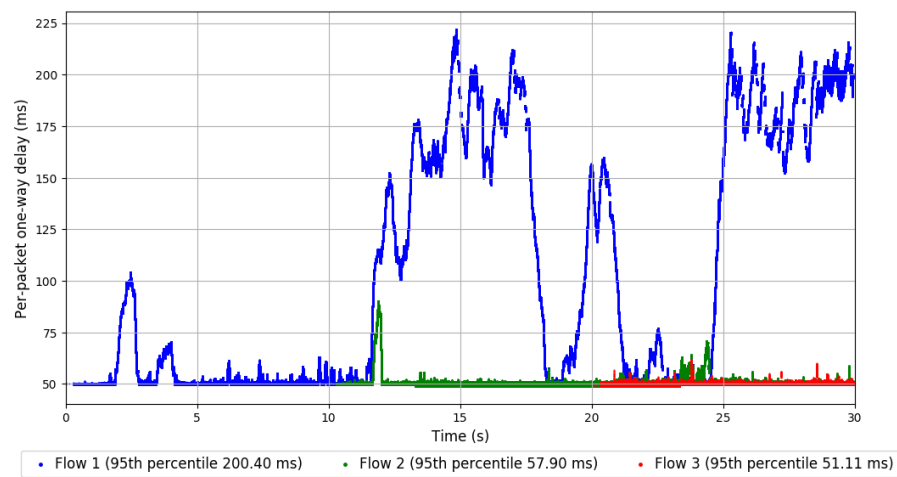
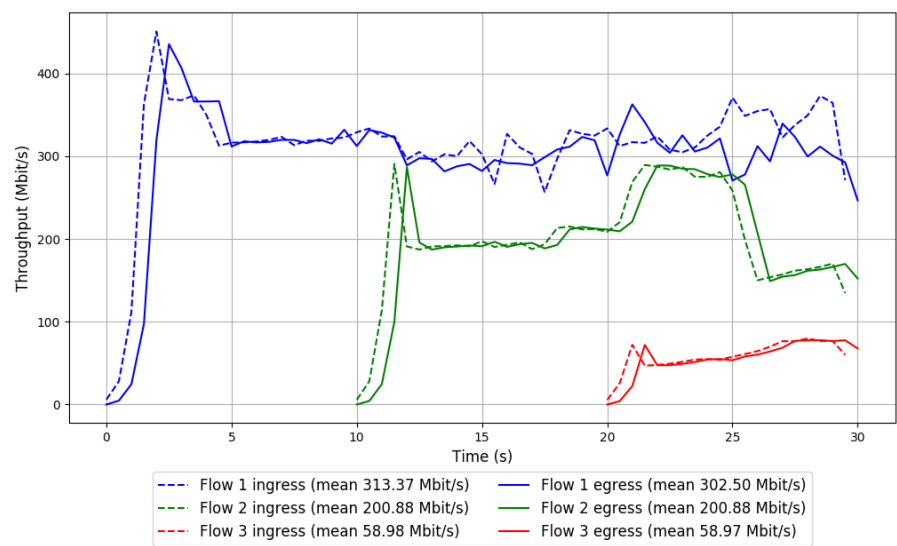
-- Flow 3:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 51.107 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

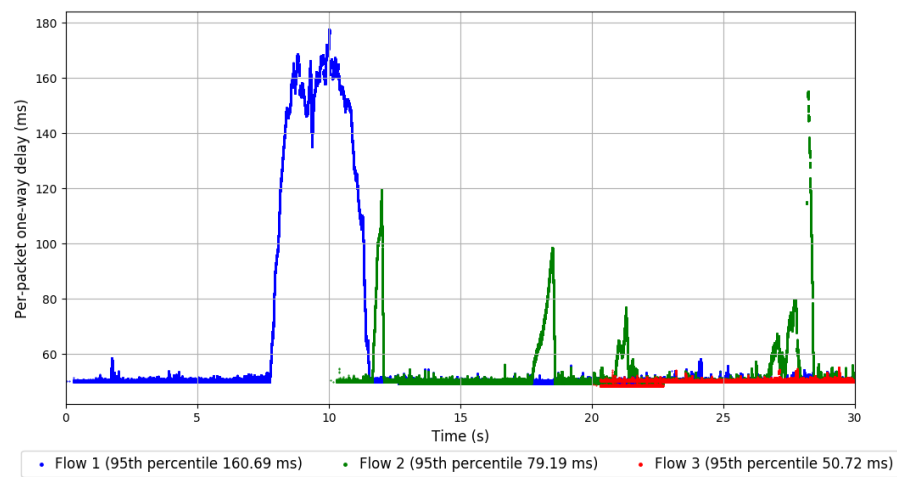
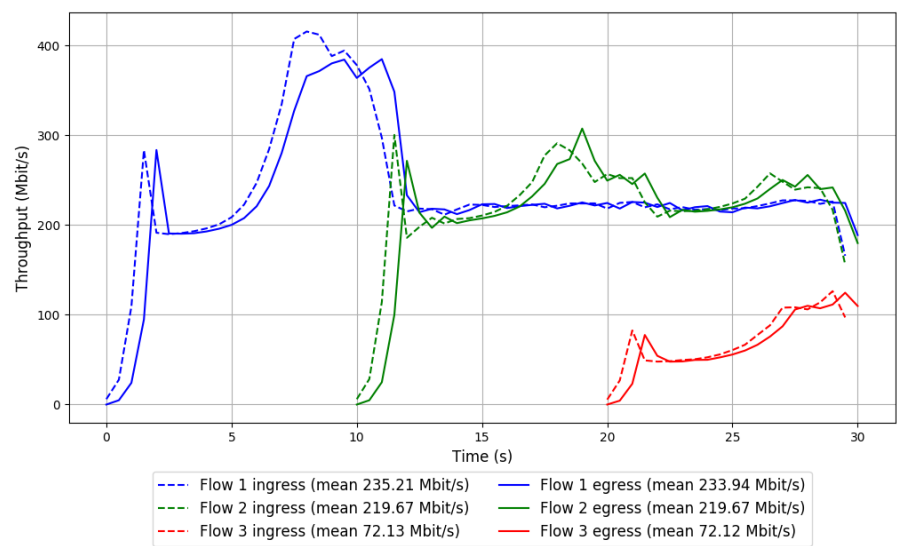


Run 4: Statistics of PCC-Expr

Start at: 2018-08-03 12:09:55
End at: 2018-08-03 12:10:25
Local clock offset: 0.356 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-03 17:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.82 Mbit/s
95th percentile per-packet one-way delay: 154.818 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 233.94 Mbit/s
95th percentile per-packet one-way delay: 160.688 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 219.67 Mbit/s
95th percentile per-packet one-way delay: 79.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.12 Mbit/s
95th percentile per-packet one-way delay: 50.716 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

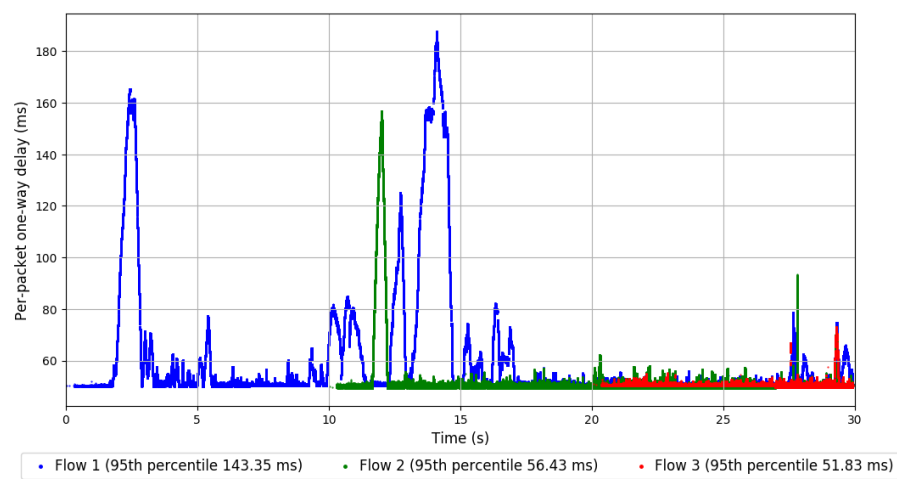
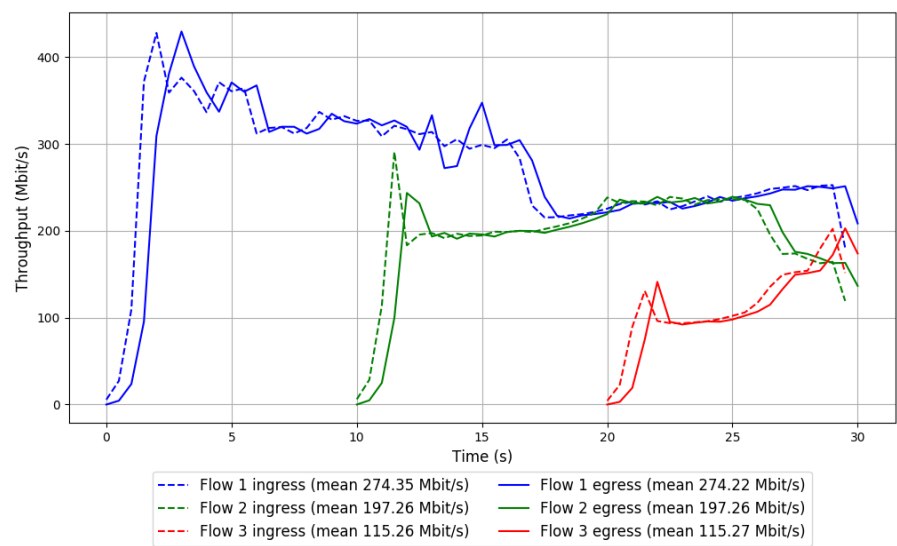


Run 5: Statistics of PCC-Expr

Start at: 2018-08-03 12:35:21
End at: 2018-08-03 12:35:51
Local clock offset: -0.031 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-03 17:36:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.44 Mbit/s
95th percentile per-packet one-way delay: 114.395 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 274.22 Mbit/s
95th percentile per-packet one-way delay: 143.350 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 197.26 Mbit/s
95th percentile per-packet one-way delay: 56.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.27 Mbit/s
95th percentile per-packet one-way delay: 51.830 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-03 13:00:56

End at: 2018-08-03 13:01:26

Local clock offset: -0.231 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-03 17:38:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.47 Mbit/s

95th percentile per-packet one-way delay: 201.646 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 267.15 Mbit/s

95th percentile per-packet one-way delay: 207.933 ms

Loss rate: 3.19%

-- Flow 2:

Average throughput: 206.72 Mbit/s

95th percentile per-packet one-way delay: 54.826 ms

Loss rate: 0.10%

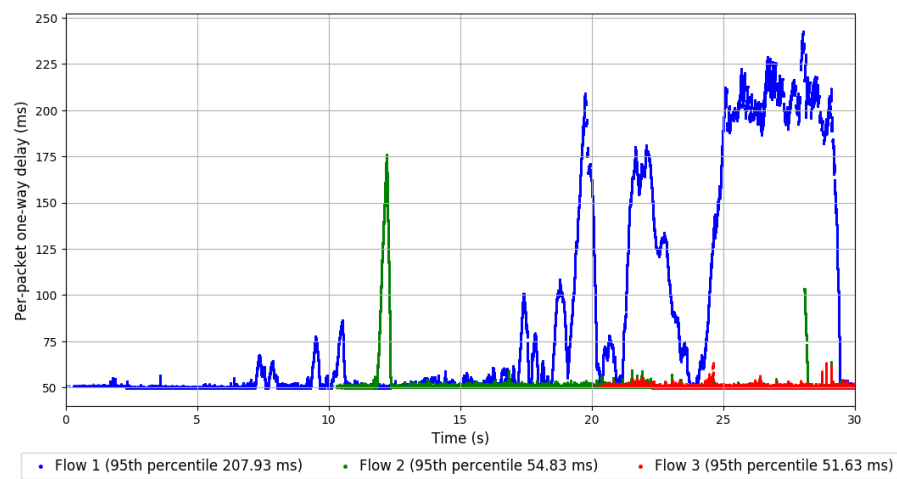
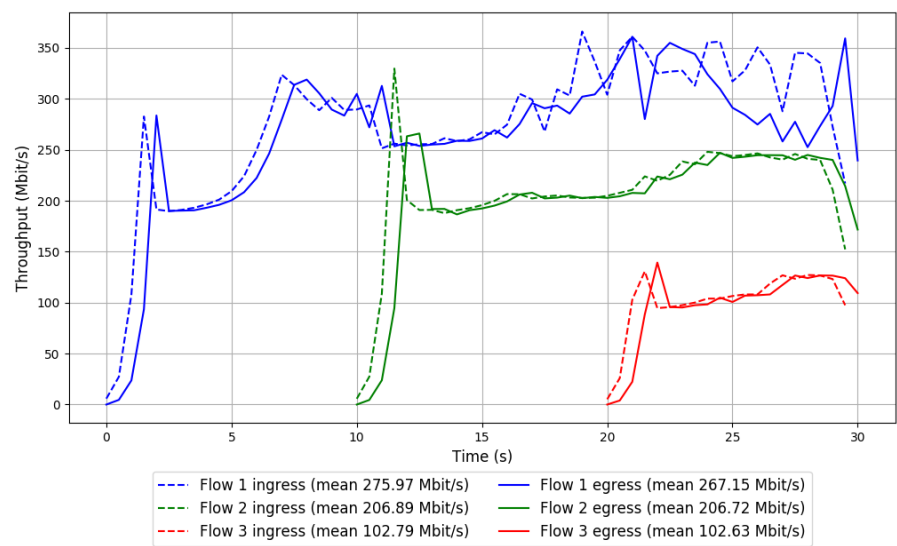
-- Flow 3:

Average throughput: 102.63 Mbit/s

95th percentile per-packet one-way delay: 51.635 ms

Loss rate: 0.17%

Run 6: Report of PCC-Expr — Data Link

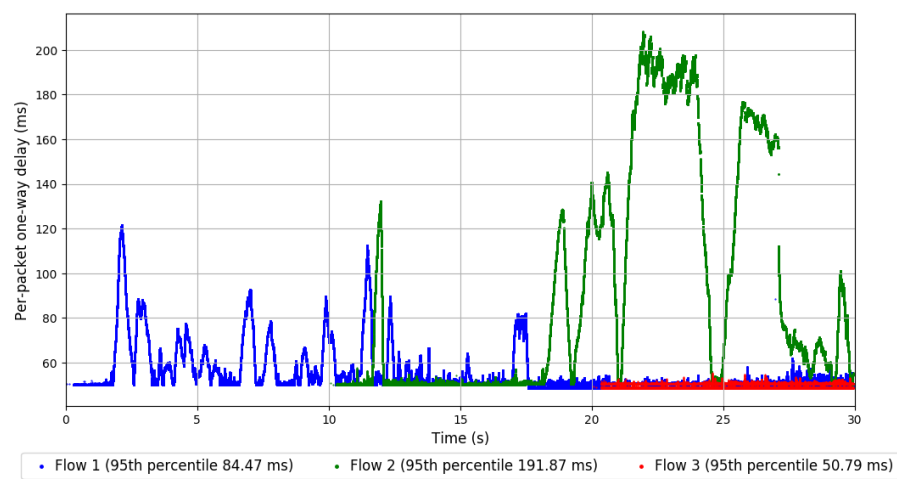
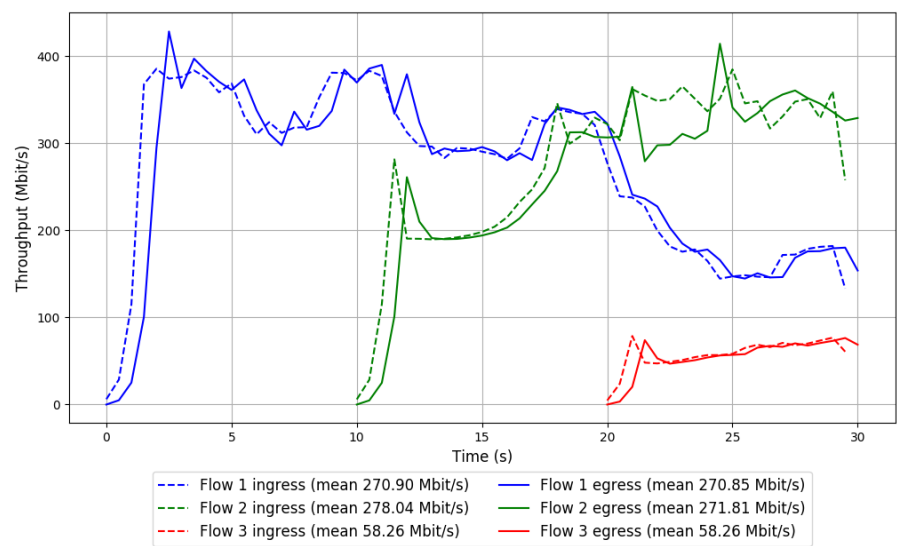


Run 7: Statistics of PCC-Expr

Start at: 2018-08-03 13:26:41
End at: 2018-08-03 13:27:11
Local clock offset: 0.091 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-03 17:44:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.82 Mbit/s
95th percentile per-packet one-way delay: 177.274 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 270.85 Mbit/s
95th percentile per-packet one-way delay: 84.466 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 271.81 Mbit/s
95th percentile per-packet one-way delay: 191.872 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

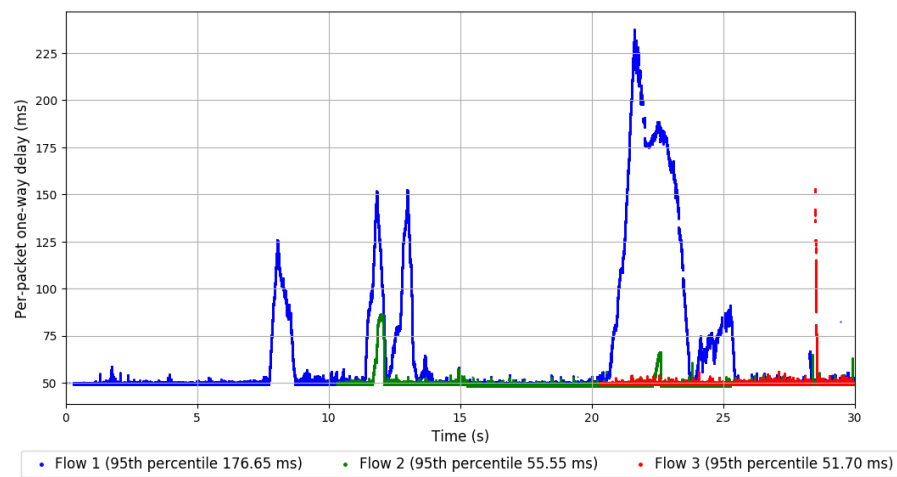
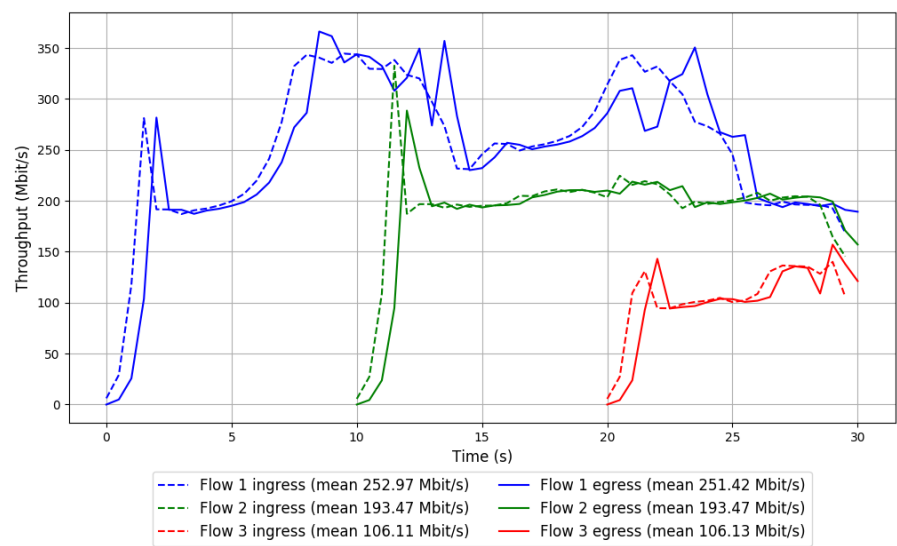


Run 8: Statistics of PCC-Expr

Start at: 2018-08-03 13:52:13
End at: 2018-08-03 13:52:43
Local clock offset: 0.401 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-03 17:44:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.06 Mbit/s
95th percentile per-packet one-way delay: 146.273 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 251.42 Mbit/s
95th percentile per-packet one-way delay: 176.650 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 193.47 Mbit/s
95th percentile per-packet one-way delay: 55.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.13 Mbit/s
95th percentile per-packet one-way delay: 51.698 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

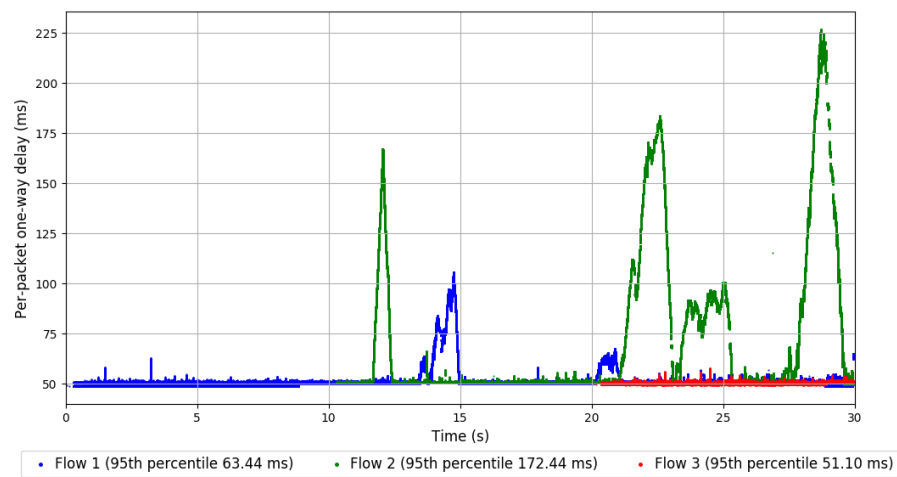
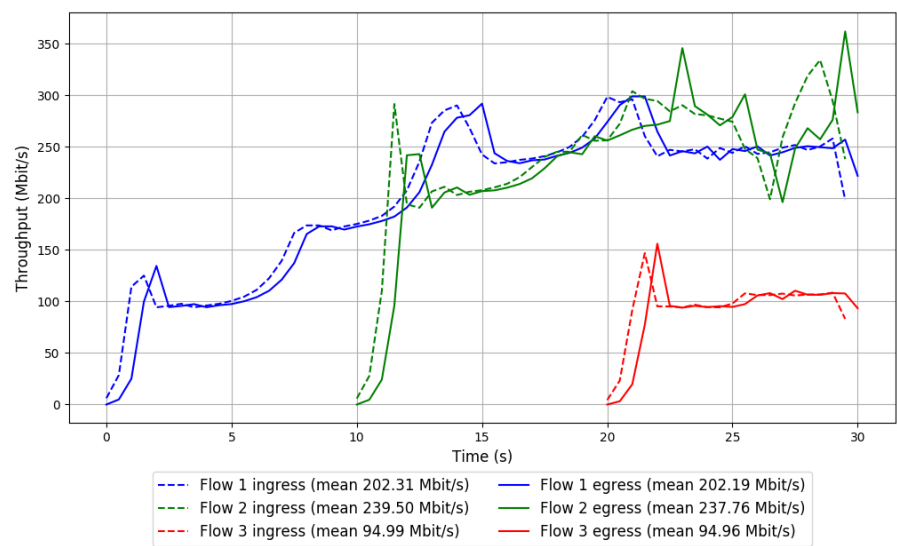


Run 9: Statistics of PCC-Expr

Start at: 2018-08-03 14:17:29
End at: 2018-08-03 14:17:59
Local clock offset: 0.046 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-03 17:46:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.63 Mbit/s
95th percentile per-packet one-way delay: 135.003 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 202.19 Mbit/s
95th percentile per-packet one-way delay: 63.438 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 237.76 Mbit/s
95th percentile per-packet one-way delay: 172.440 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 51.102 ms
Loss rate: 0.03%

Run 9: Report of PCC-Expr — Data Link

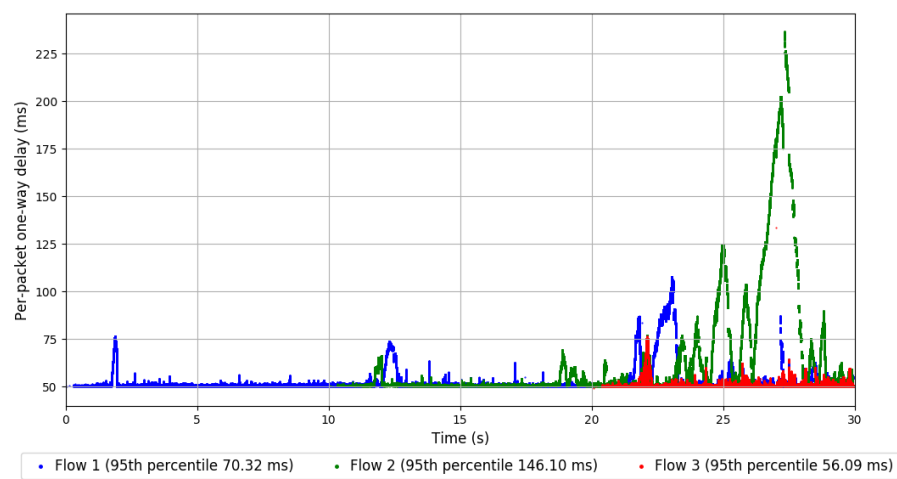
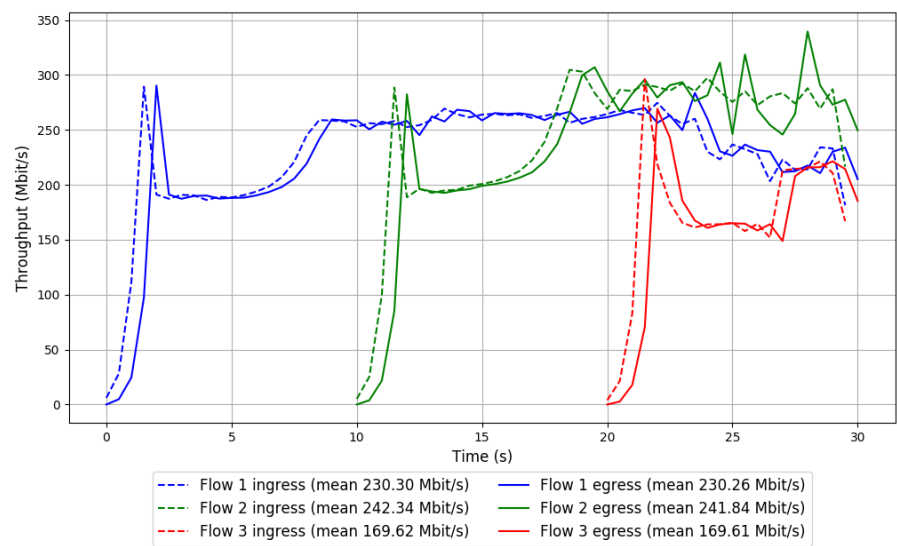


Run 10: Statistics of PCC-Expr

Start at: 2018-08-03 14:42:48
End at: 2018-08-03 14:43:18
Local clock offset: 0.083 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.00 Mbit/s
95th percentile per-packet one-way delay: 90.640 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 230.26 Mbit/s
95th percentile per-packet one-way delay: 70.323 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 241.84 Mbit/s
95th percentile per-packet one-way delay: 146.096 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 169.61 Mbit/s
95th percentile per-packet one-way delay: 56.094 ms
Loss rate: 0.01%

Run 10: Report of PCC-Expr — Data Link

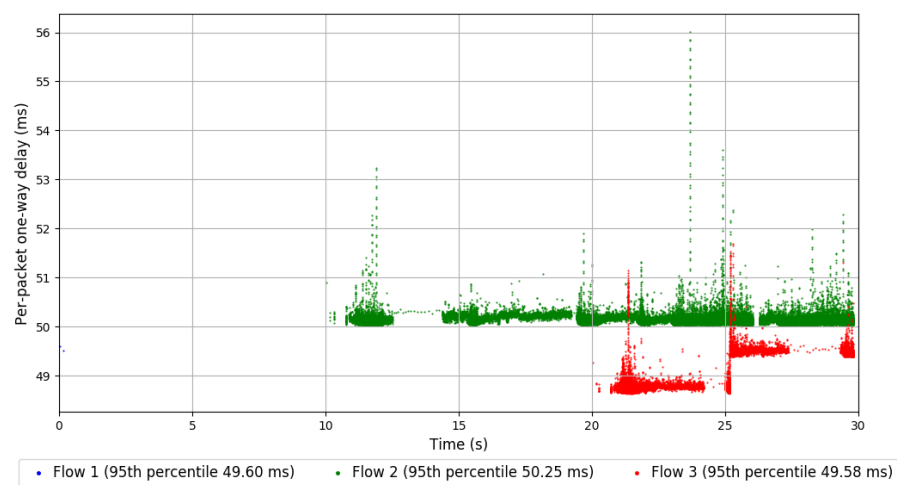
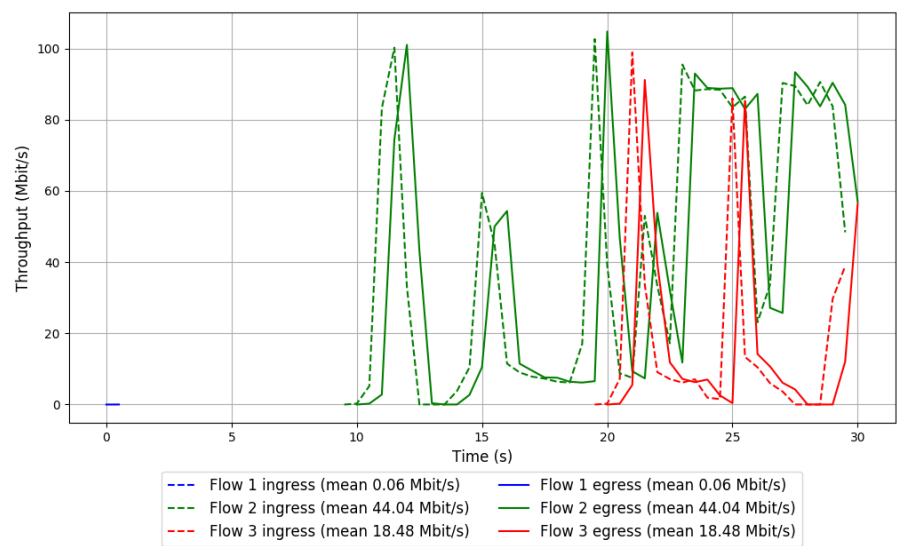


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-03 10:44:33
End at: 2018-08-03 10:45:03
Local clock offset: 0.081 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 50.240 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.599 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 50.253 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.48 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link

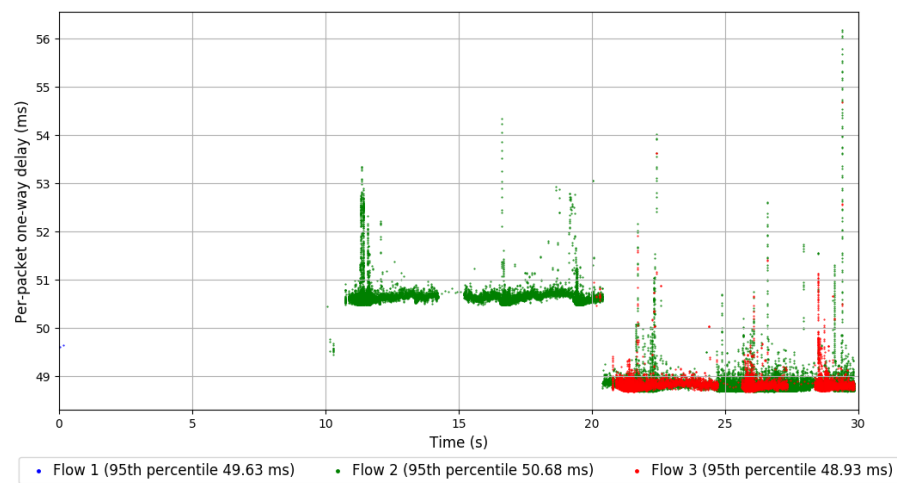
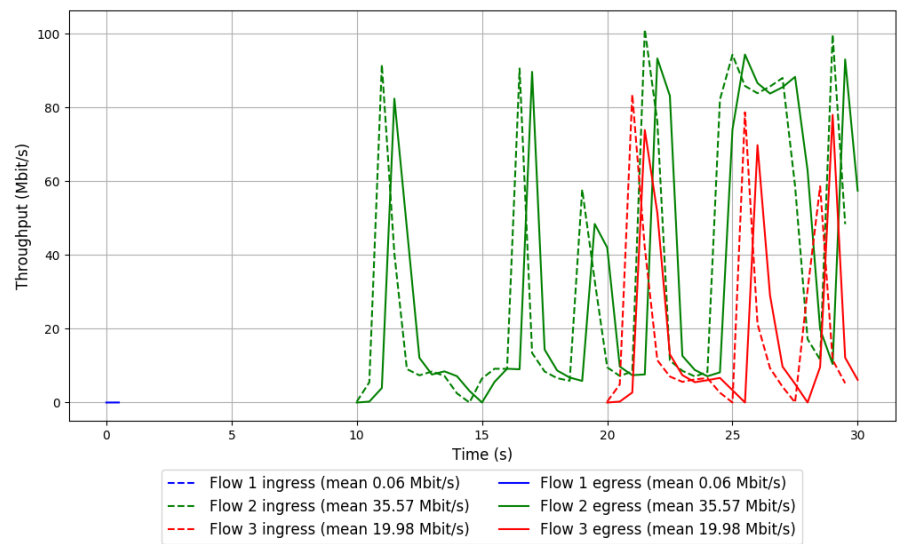


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-03 11:10:07
End at: 2018-08-03 11:10:37
Local clock offset: 0.165 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 50.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 50.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 48.934 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-03 11:35:48

End at: 2018-08-03 11:36:18

Local clock offset: 0.01 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-08-03 17:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 50.704 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.71 Mbit/s

95th percentile per-packet one-way delay: 49.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 50.758 ms

Loss rate: 0.00%

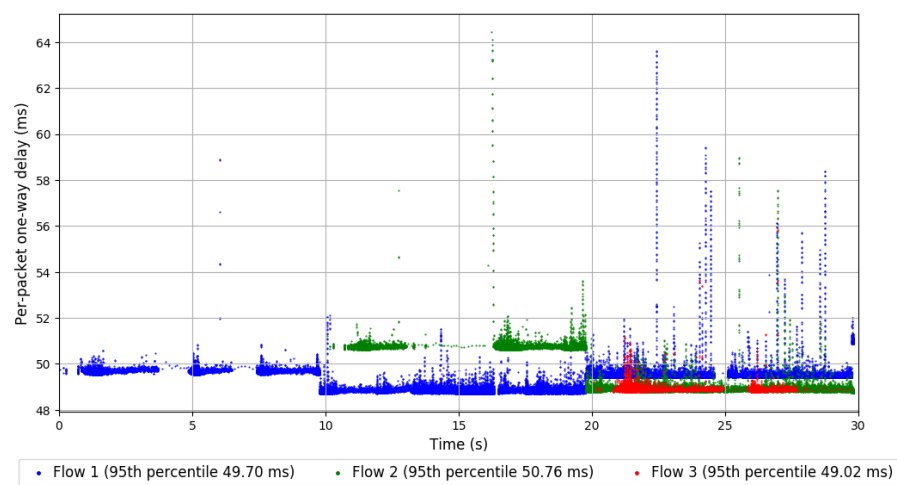
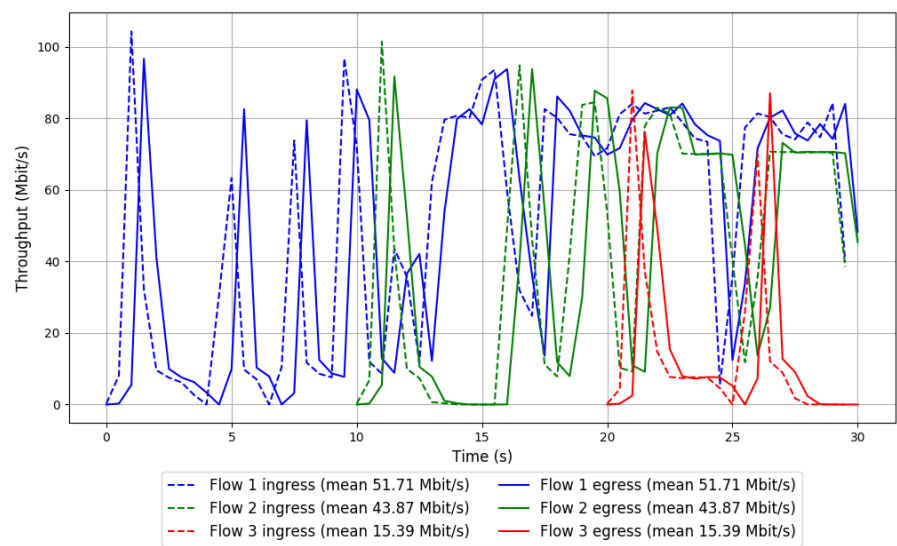
-- Flow 3:

Average throughput: 15.39 Mbit/s

95th percentile per-packet one-way delay: 49.025 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-03 12:01:16

End at: 2018-08-03 12:01:46

Local clock offset: -0.414 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-08-03 17:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.86 Mbit/s

95th percentile per-packet one-way delay: 51.206 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.25 Mbit/s

95th percentile per-packet one-way delay: 51.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 50.730 ms

Loss rate: 0.00%

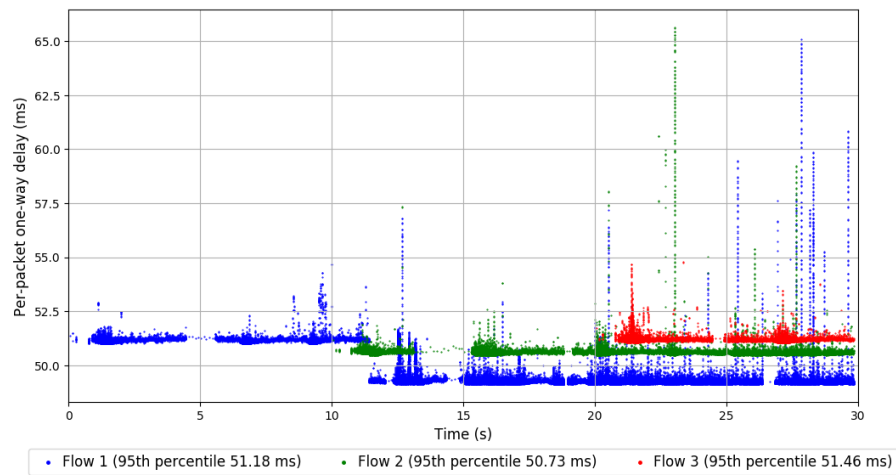
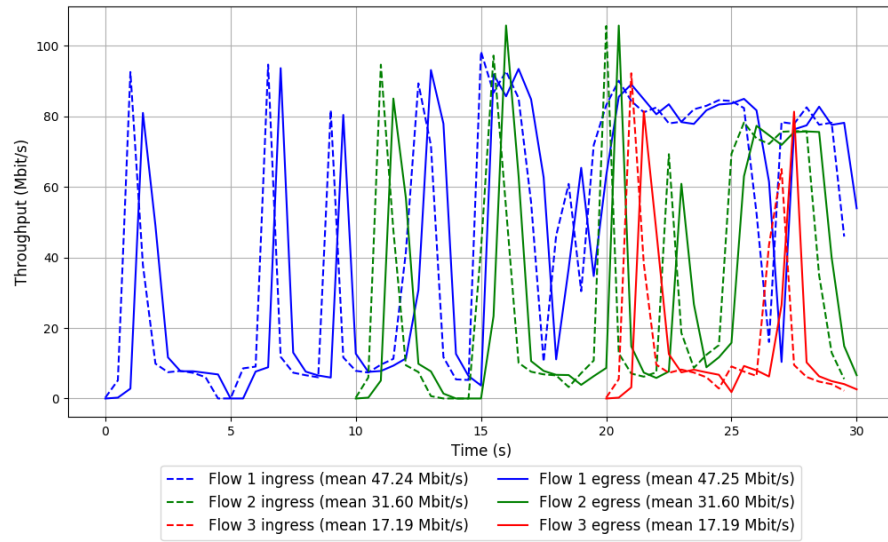
-- Flow 3:

Average throughput: 17.19 Mbit/s

95th percentile per-packet one-way delay: 51.463 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

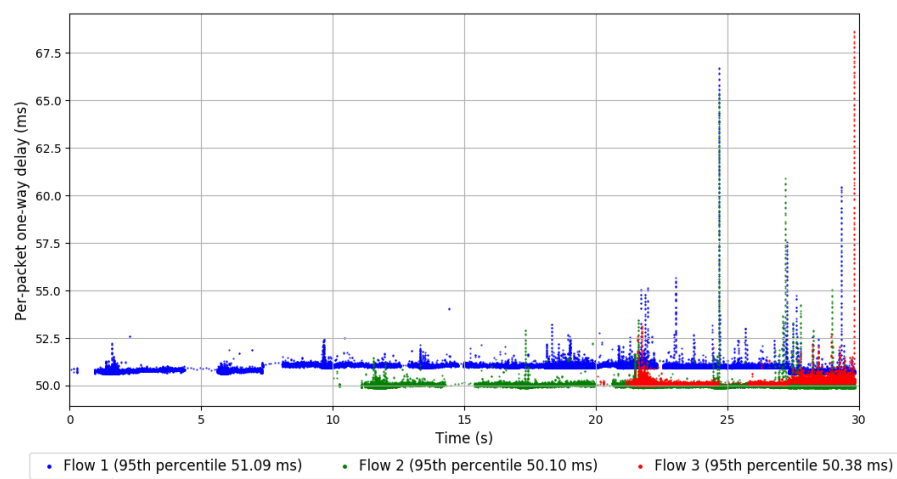
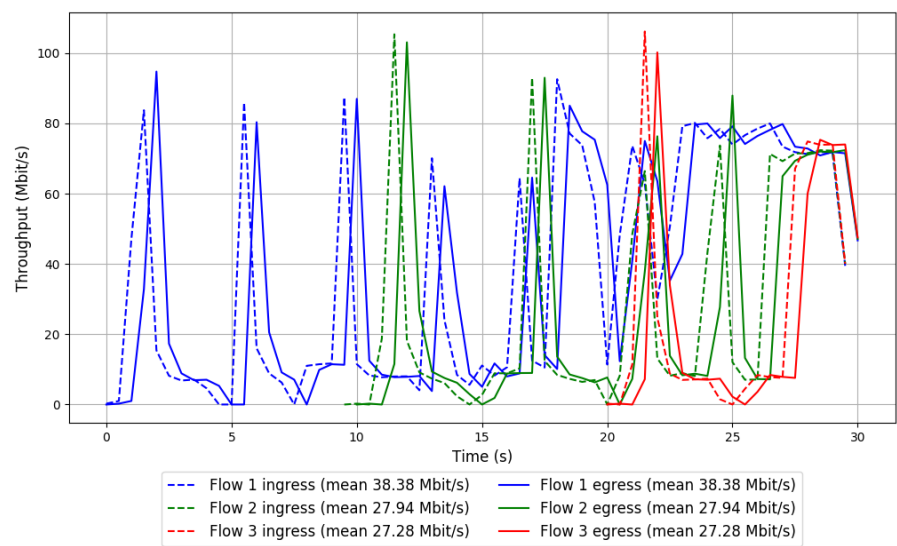


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-03 12:26:41
End at: 2018-08-03 12:27:11
Local clock offset: -0.358 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 51.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 51.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 50.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 50.378 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

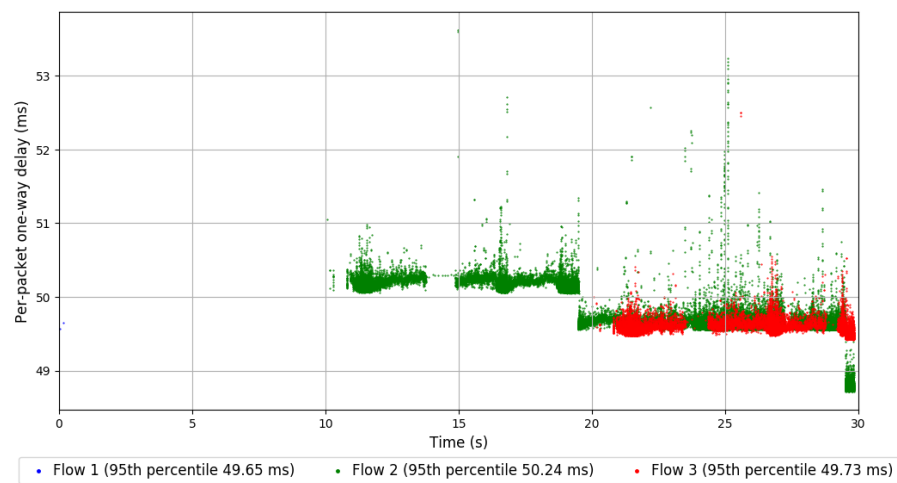
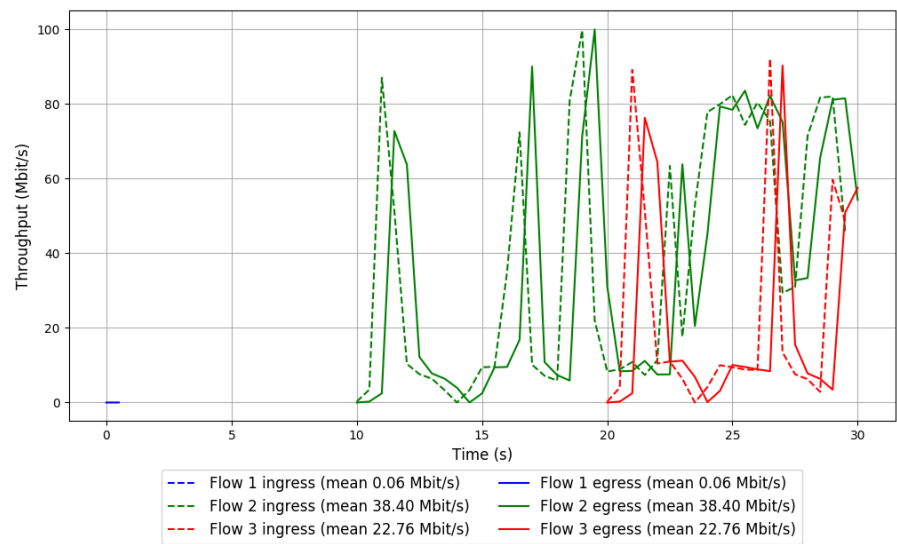


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-03 12:52:18
End at: 2018-08-03 12:52:48
Local clock offset: 0.068 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 50.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 50.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 49.735 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

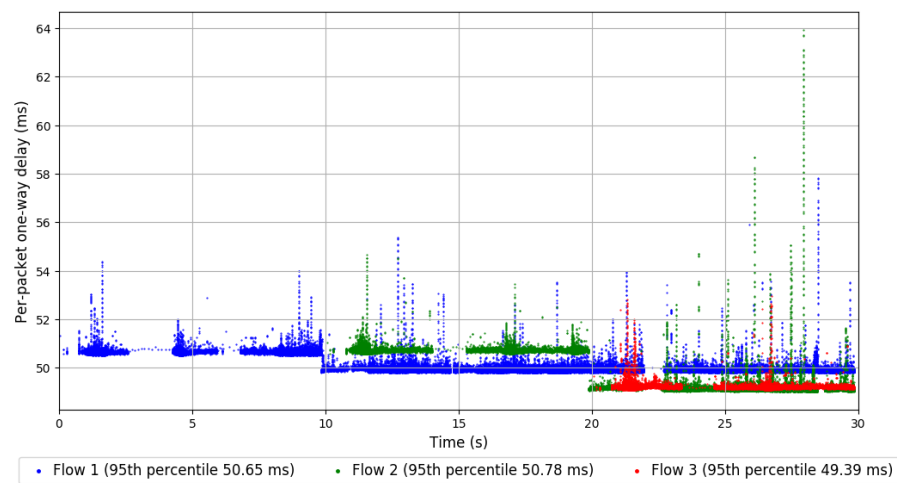
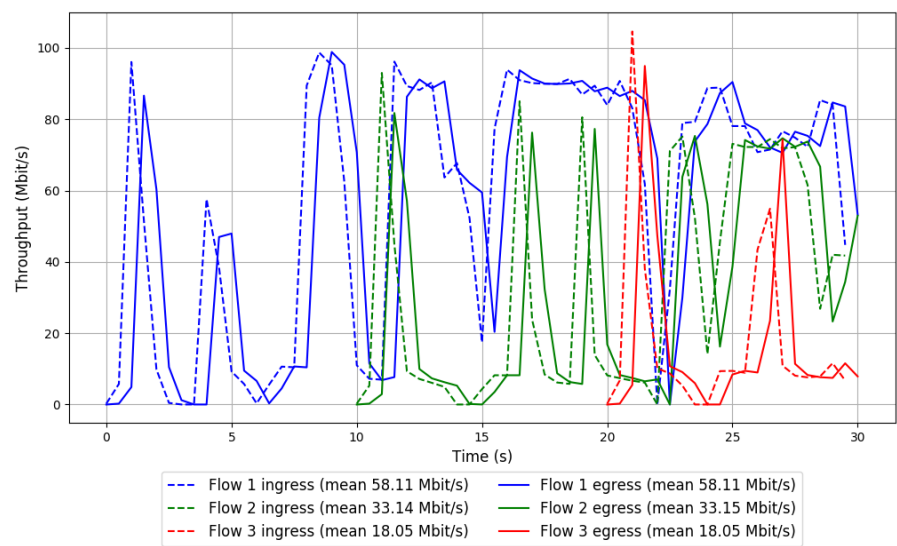


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-03 13:17:58
End at: 2018-08-03 13:18:28
Local clock offset: -0.229 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 49.389 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

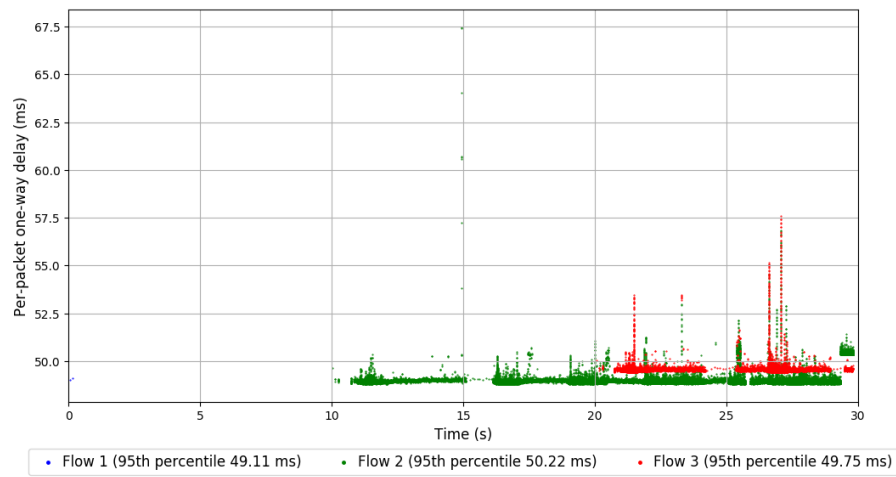
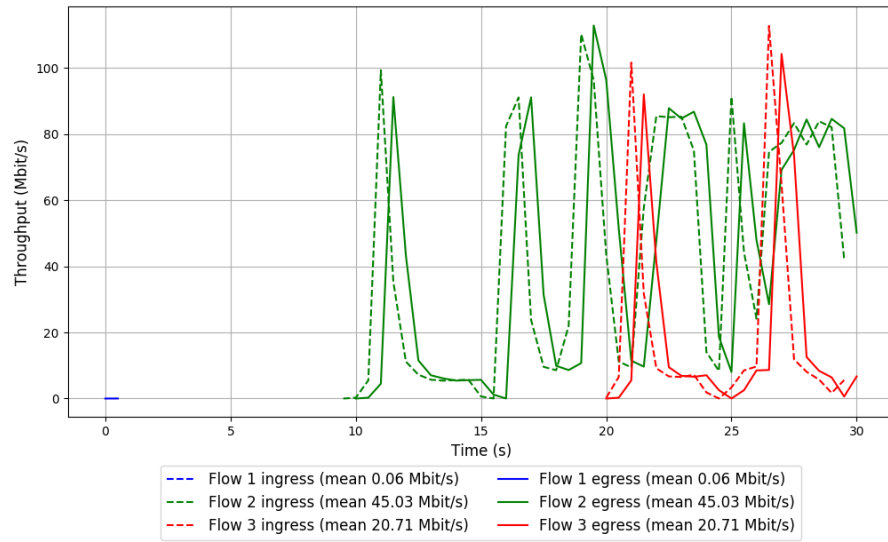


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-03 13:43:39
End at: 2018-08-03 13:44:09
Local clock offset: 0.06 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 49.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 50.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 49.748 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

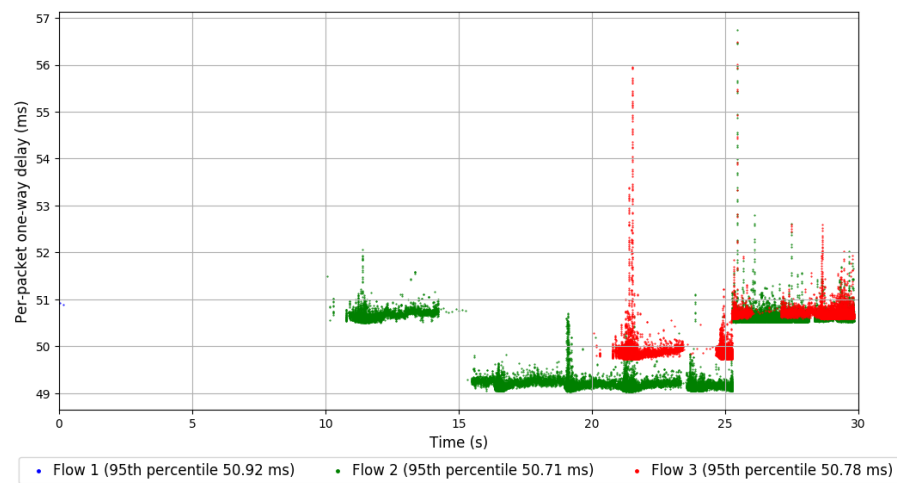
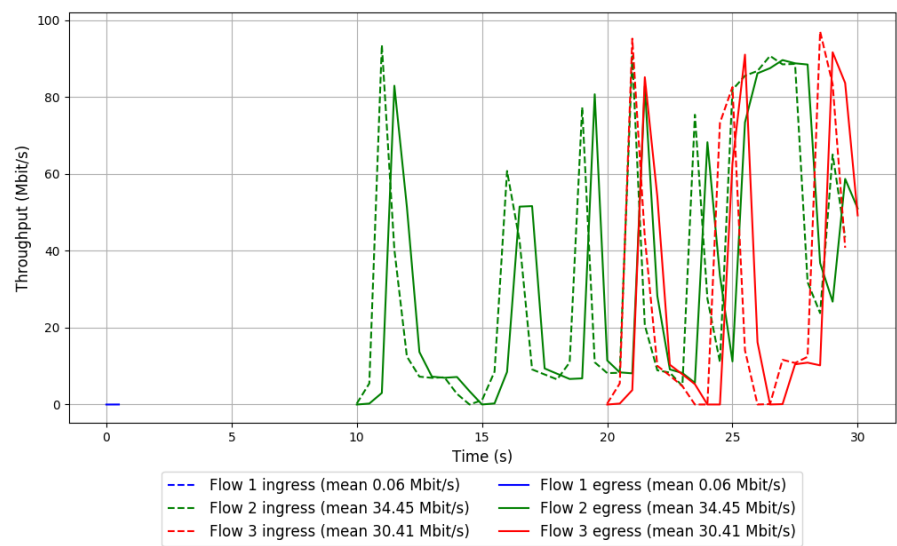


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-03 14:09:03
End at: 2018-08-03 14:09:33
Local clock offset: -0.304 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 50.925 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

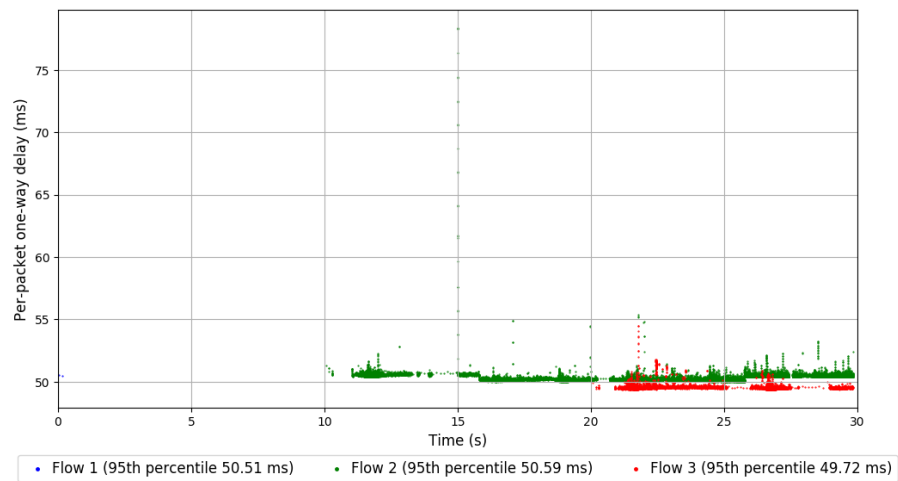
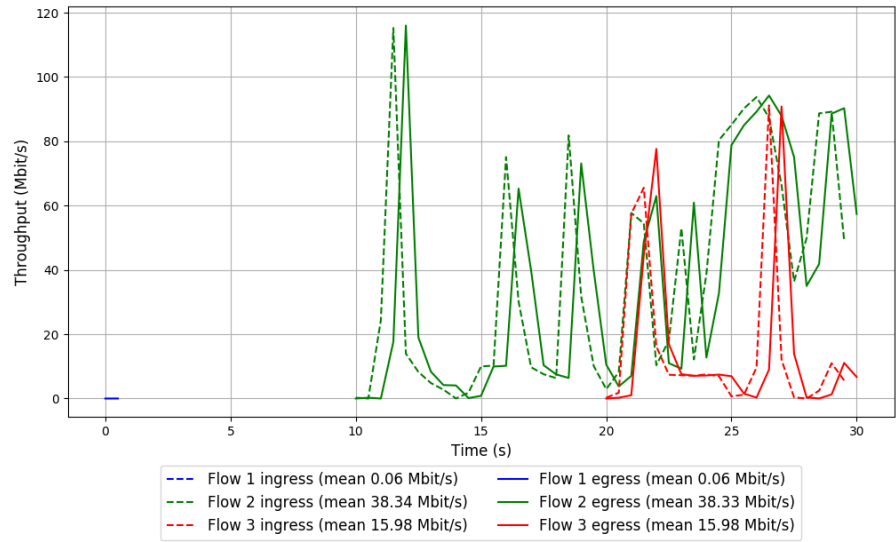


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-03 14:34:22
End at: 2018-08-03 14:34:52
Local clock offset: 0.093 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 50.575 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 49.720 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

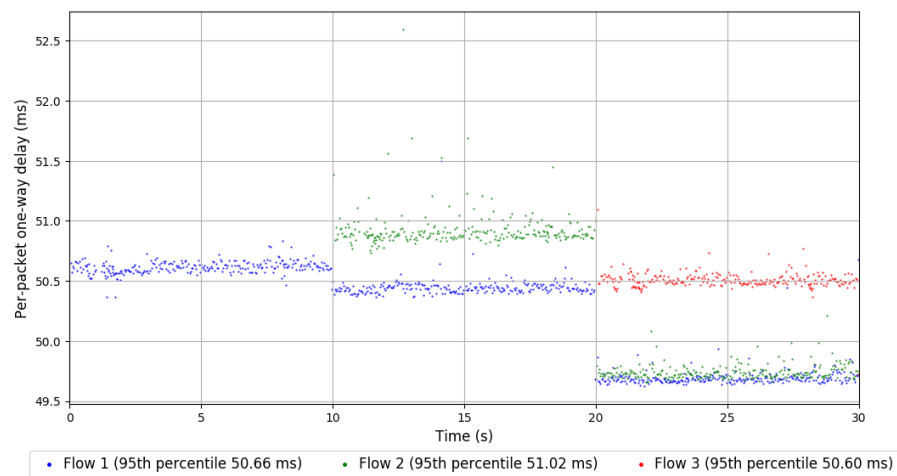
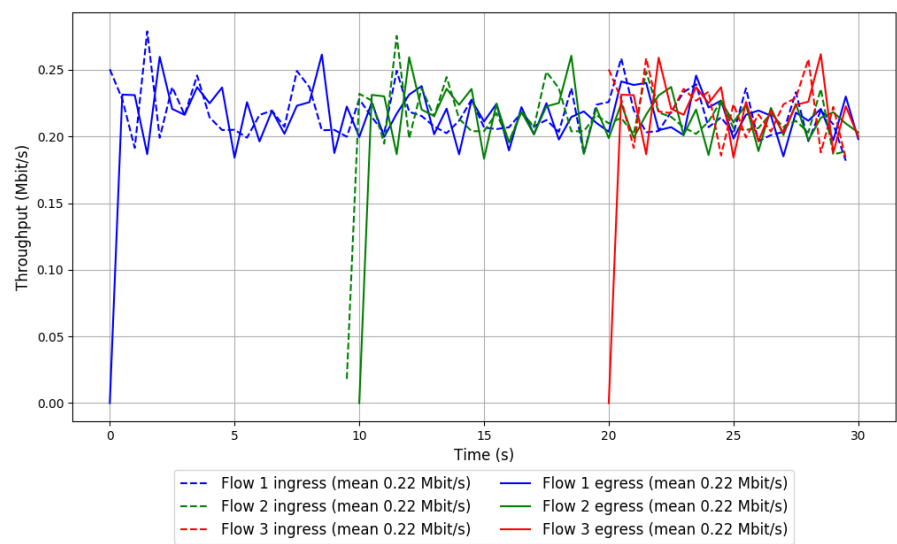


Run 1: Statistics of SReAM

Start at: 2018-08-03 10:55:08
End at: 2018-08-03 10:55:38
Local clock offset: 0.102 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

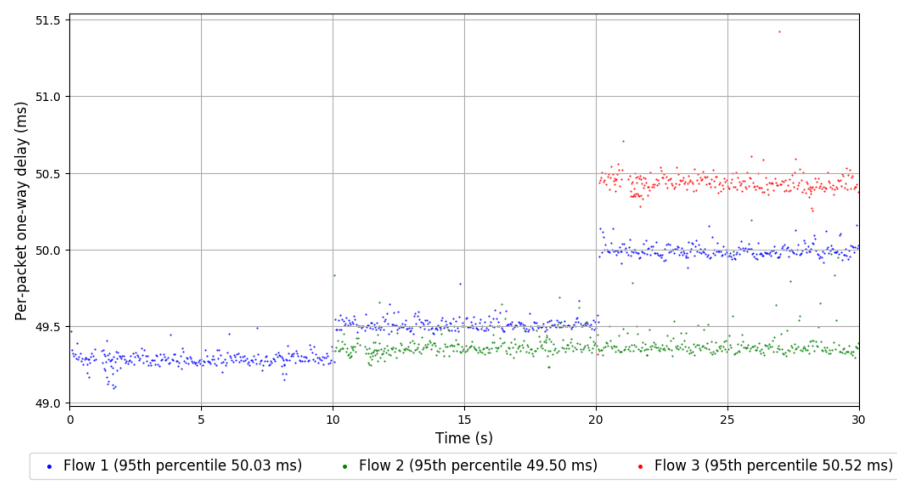
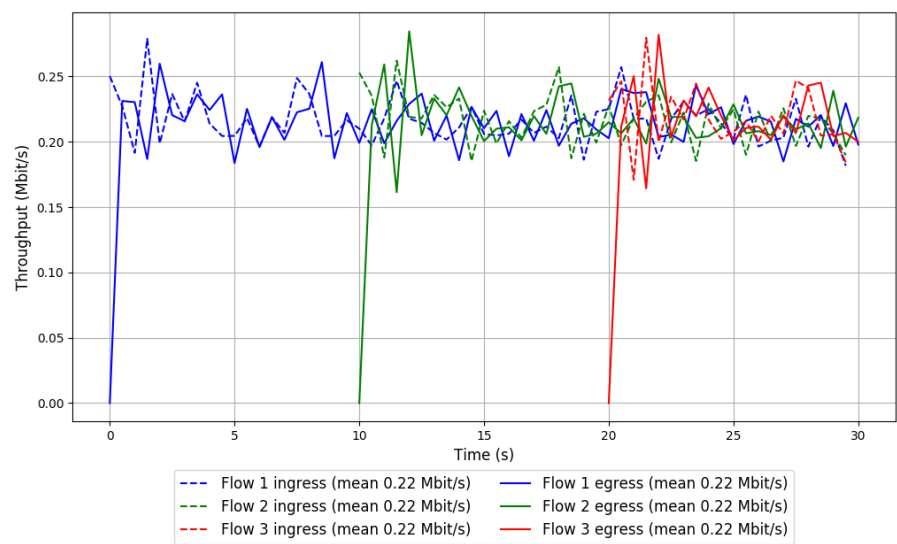


```
Run 2: Statistics of SReAM

Start at: 2018-08-03 11:20:38
End at: 2018-08-03 11:21:08
Local clock offset: 0.509 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-08-03 17:48:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.031 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.520 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-03 11:46:15

End at: 2018-08-03 11:46:45

Local clock offset: -0.027 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-03 17:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.817 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.017 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

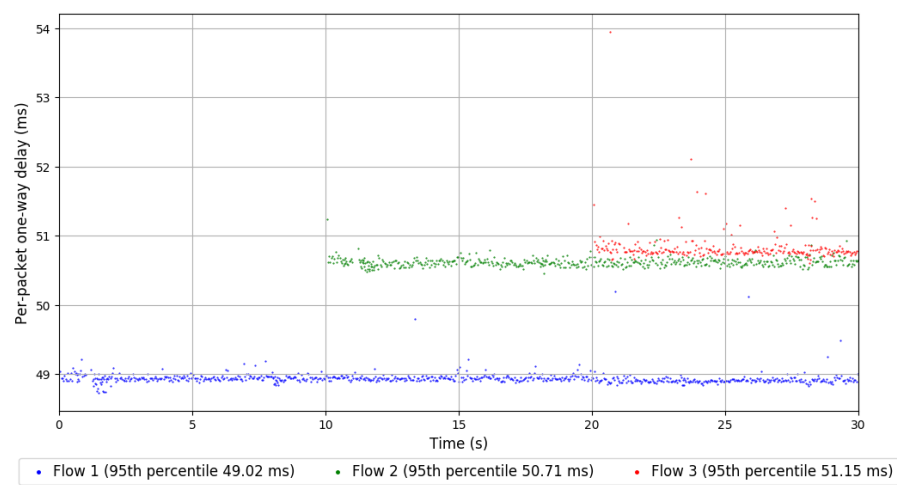
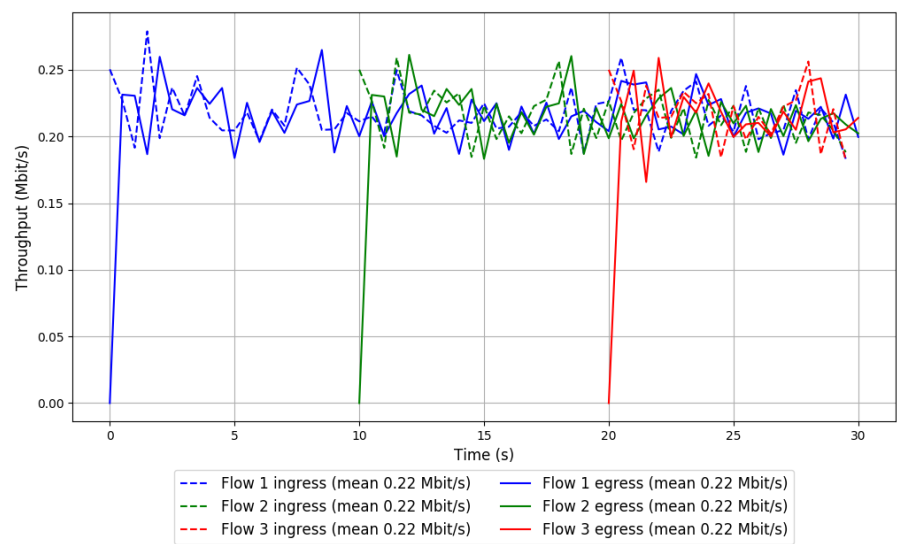
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

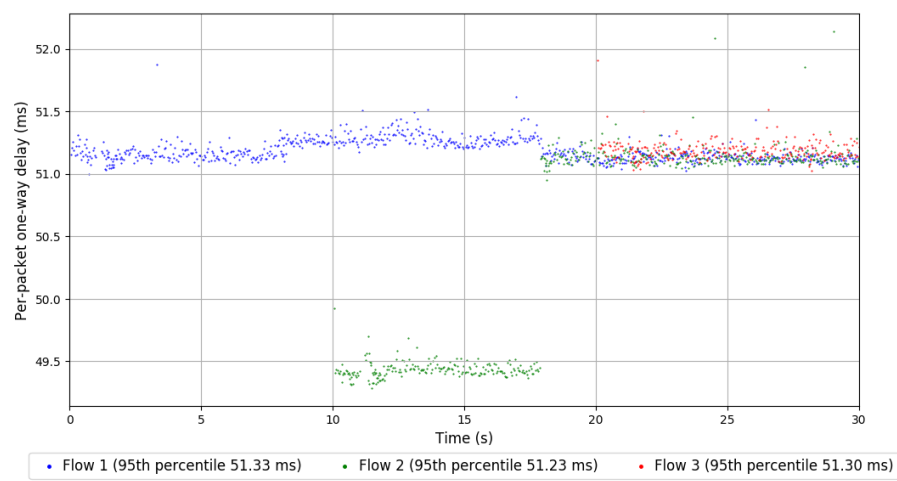
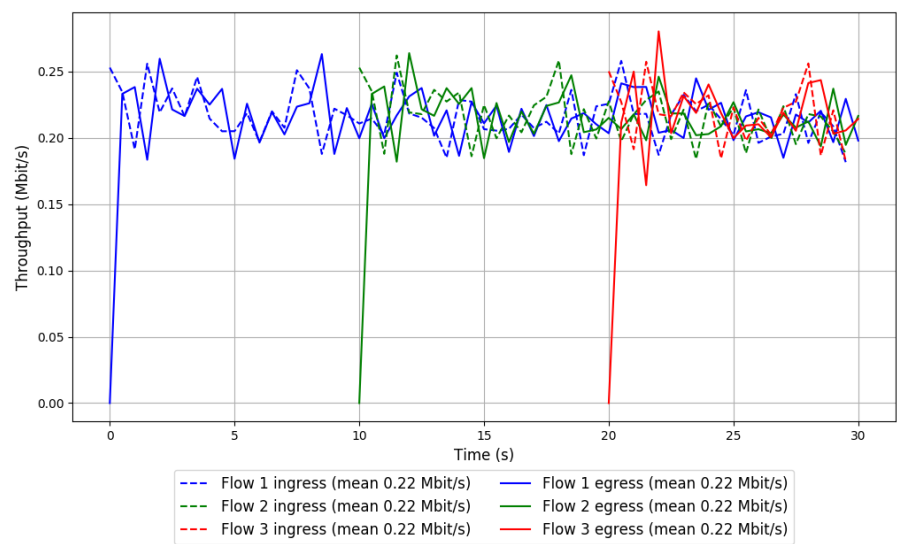


Run 4: Statistics of SReAM

Start at: 2018-08-03 12:11:40
End at: 2018-08-03 12:12:10
Local clock offset: -0.41 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.296 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

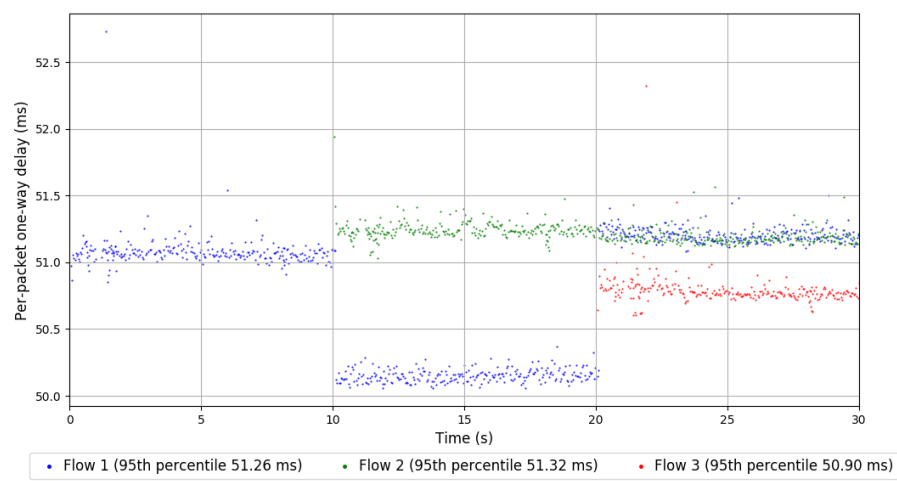
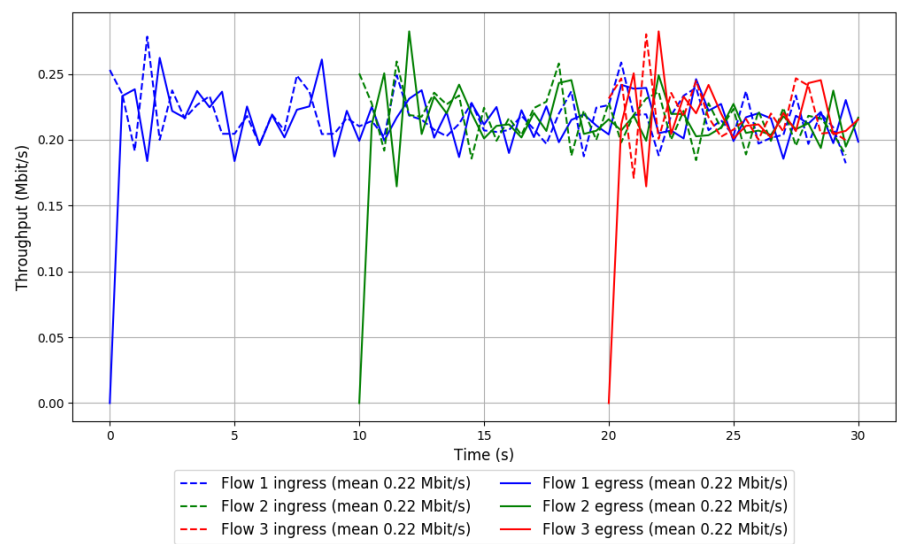


Run 5: Statistics of SReAM

Start at: 2018-08-03 12:37:08
End at: 2018-08-03 12:37:38
Local clock offset: -0.406 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 51.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.316 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

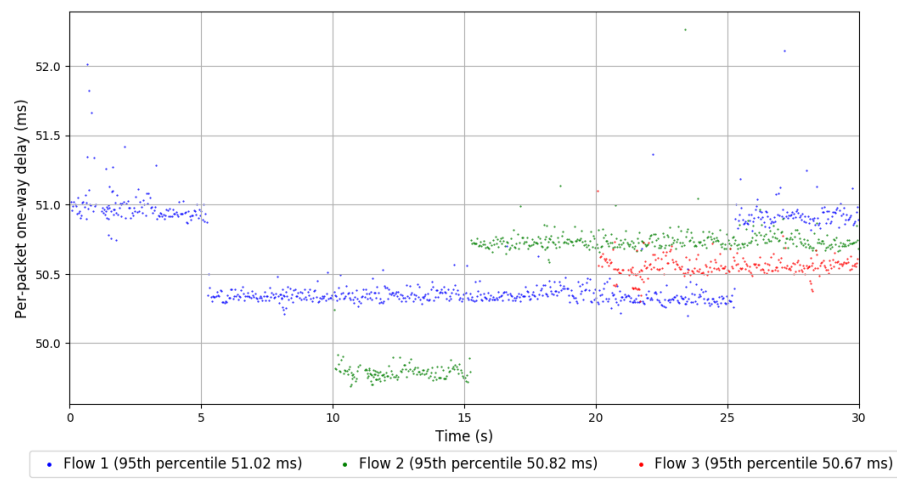
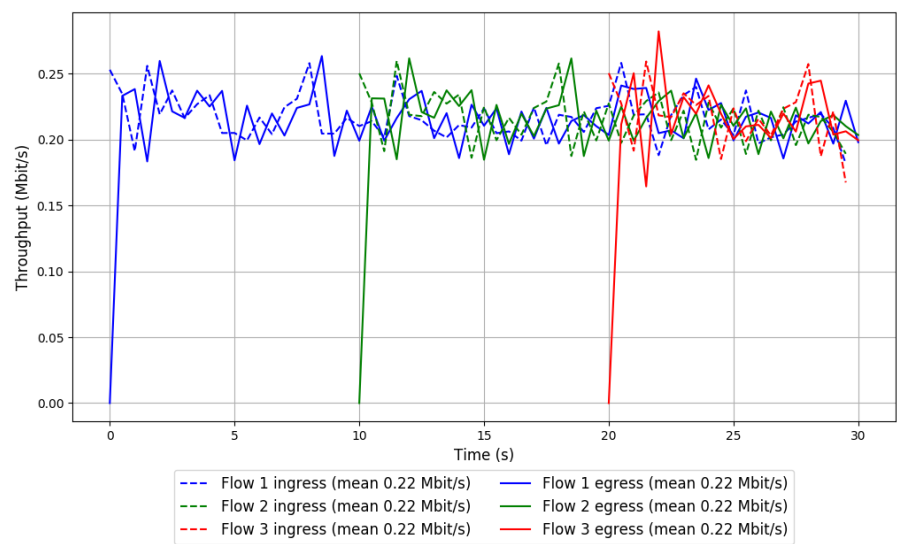


Run 6: Statistics of SReAM

Start at: 2018-08-03 13:02:43
End at: 2018-08-03 13:03:13
Local clock offset: 0.074 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.666 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

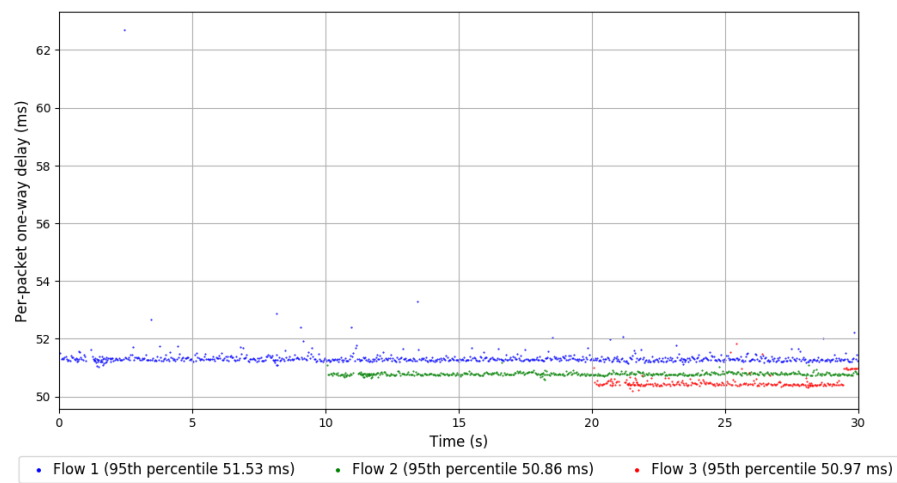
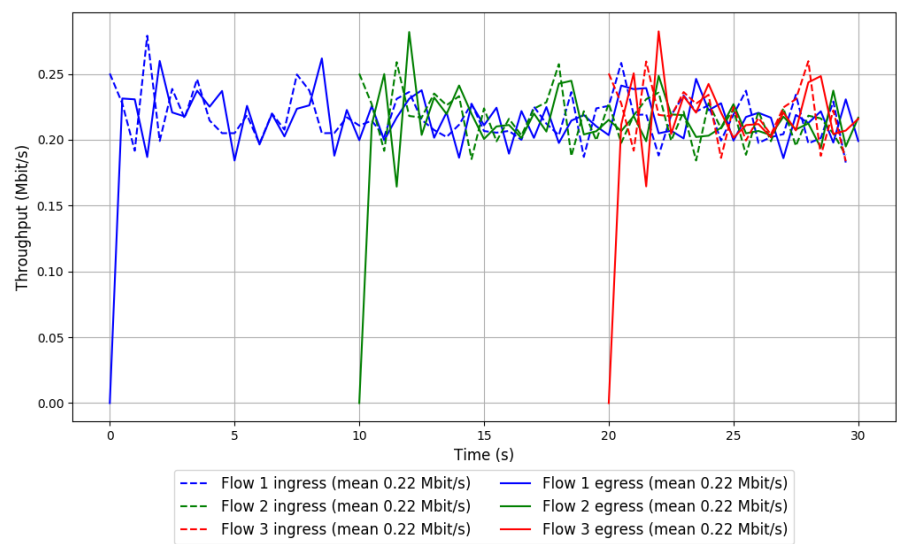


Run 7: Statistics of SReAM

Start at: 2018-08-03 13:28:29
End at: 2018-08-03 13:28:59
Local clock offset: -0.247 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.864 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.968 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

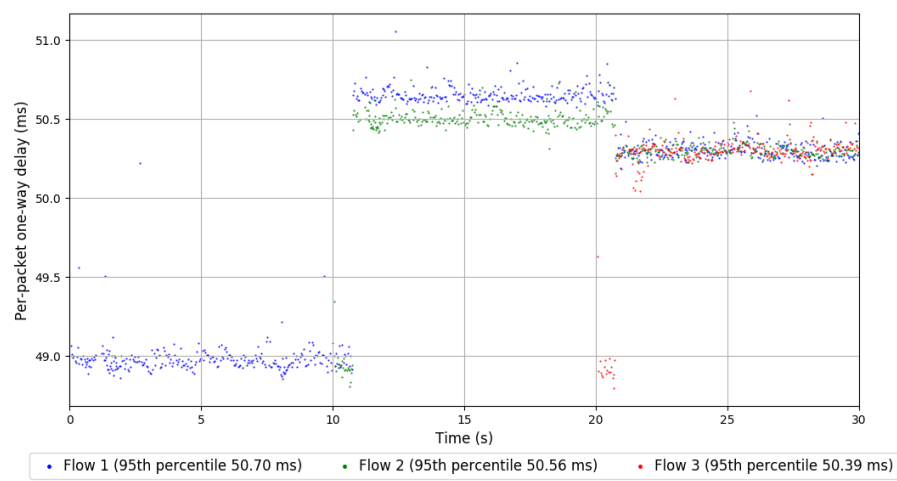
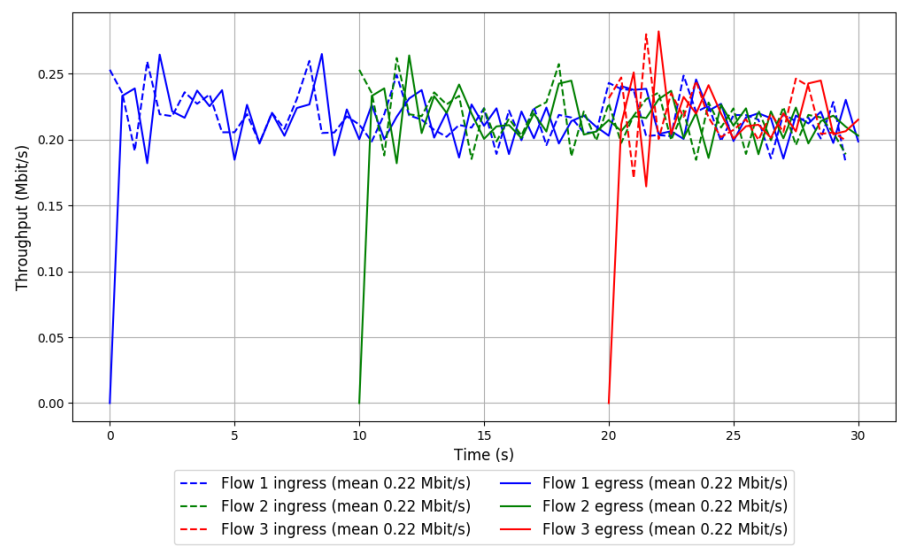


Run 8: Statistics of SReAM

Start at: 2018-08-03 13:53:57
End at: 2018-08-03 13:54:27
Local clock offset: 0.069 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.392 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

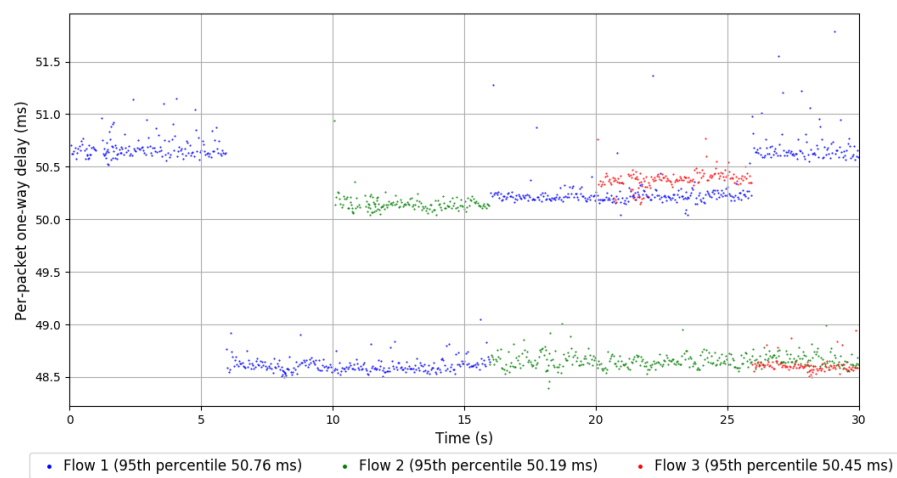
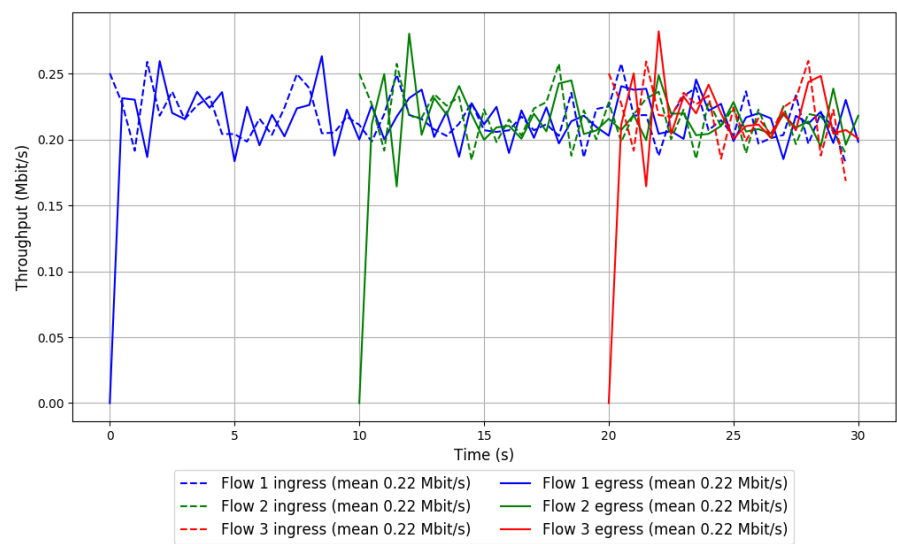


Run 9: Statistics of SReAM

Start at: 2018-08-03 14:19:12
End at: 2018-08-03 14:19:42
Local clock offset: 0.386 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-03 17:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.763 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.455 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-03 14:44:35

End at: 2018-08-03 14:45:05

Local clock offset: 0.105 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-03 17:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.988 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.772 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 51.051 ms

Loss rate: 0.18%

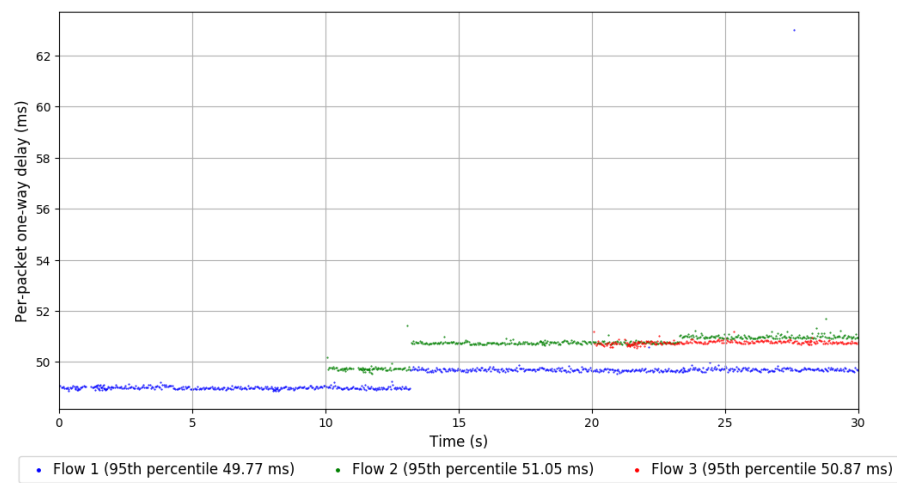
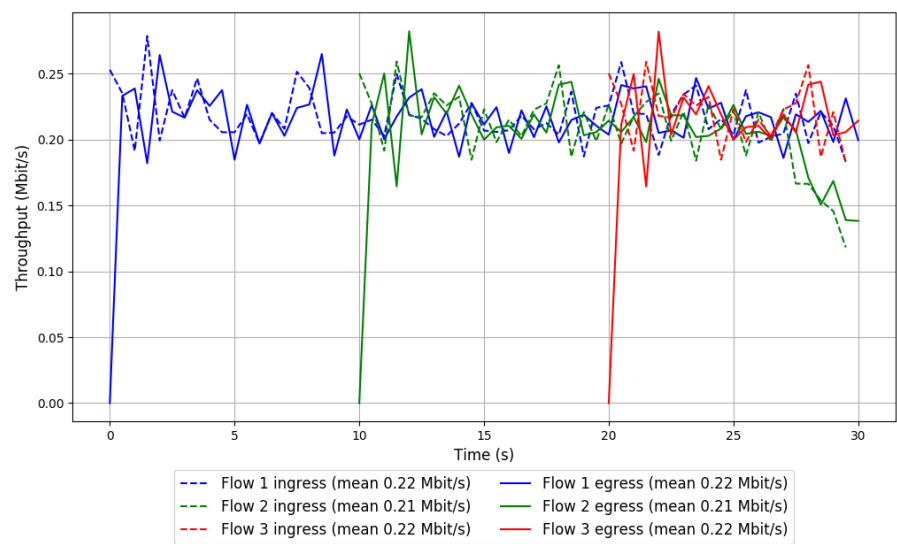
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-03 11:01:57

End at: 2018-08-03 11:02:27

Local clock offset: 0.106 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-03 17:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 51.034 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 51.062 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 51.064 ms

Loss rate: 0.00%

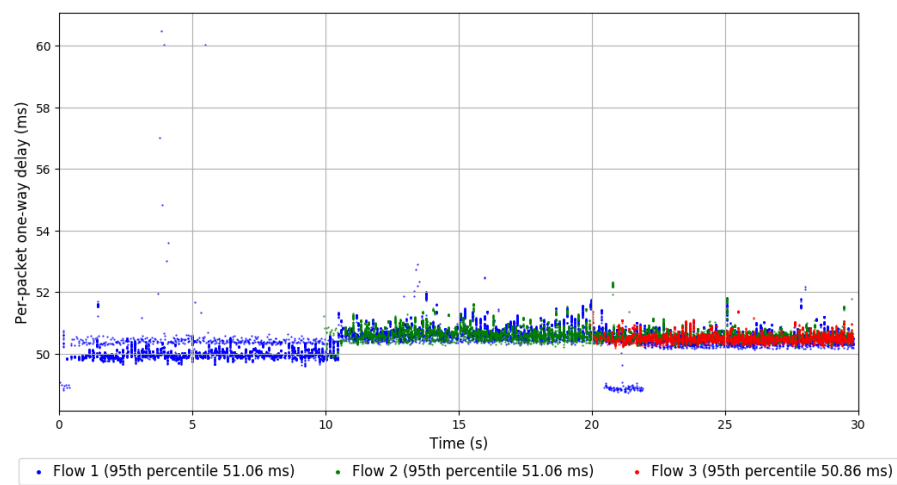
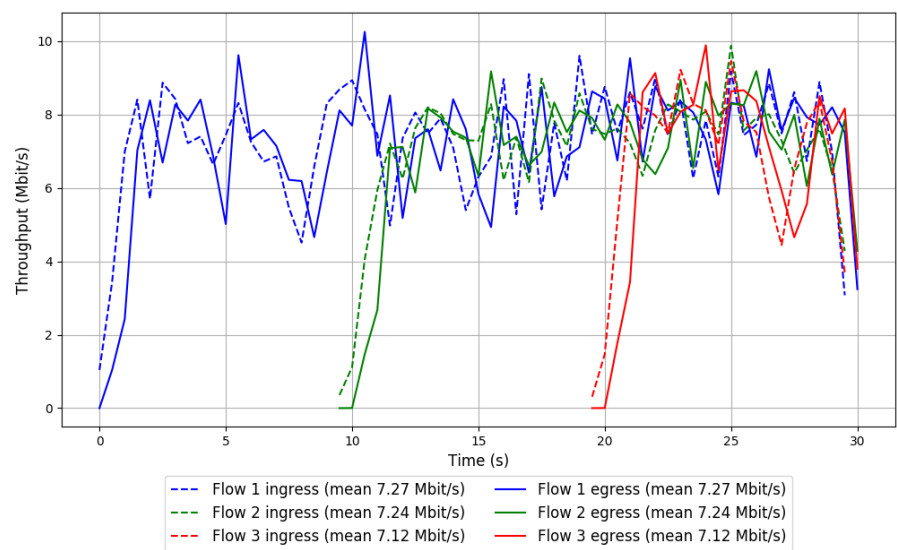
-- Flow 3:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 50.857 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-03 11:27:32

End at: 2018-08-03 11:28:02

Local clock offset: 0.131 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-03 17:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 50.321 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 50.288 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 50.305 ms

Loss rate: 0.00%

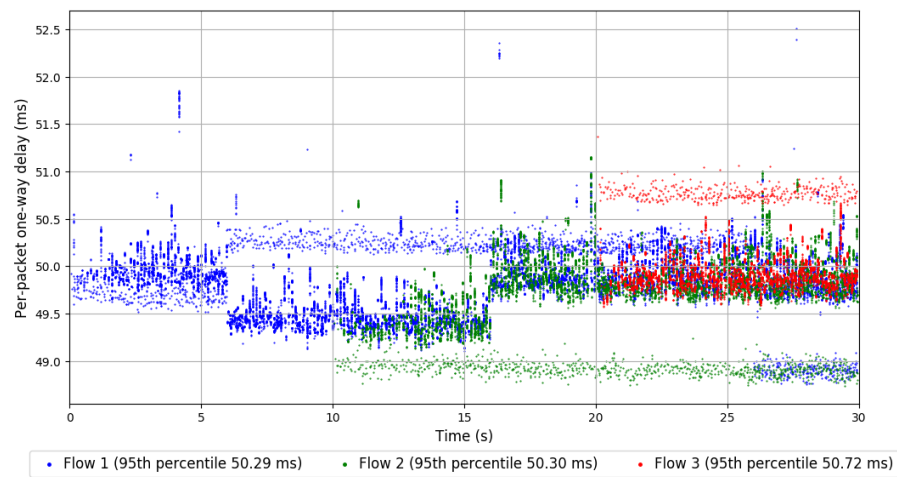
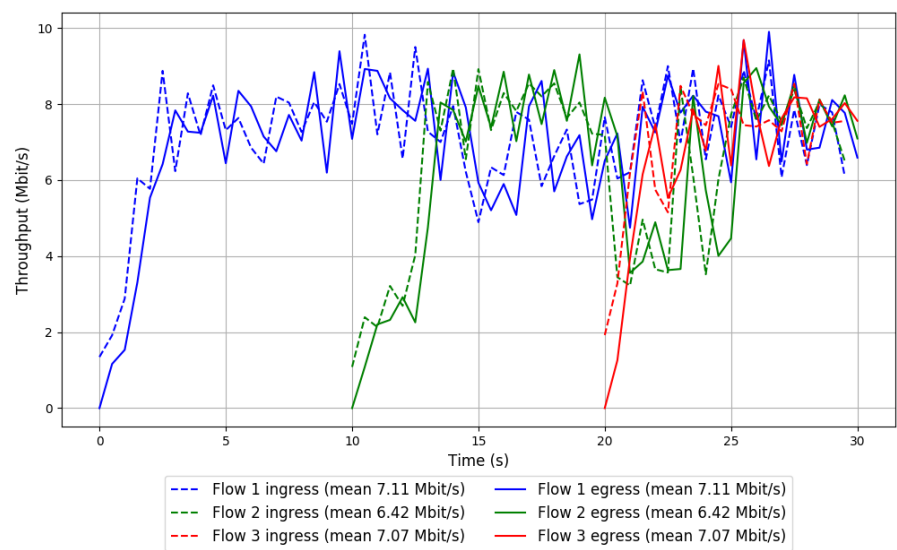
-- Flow 3:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

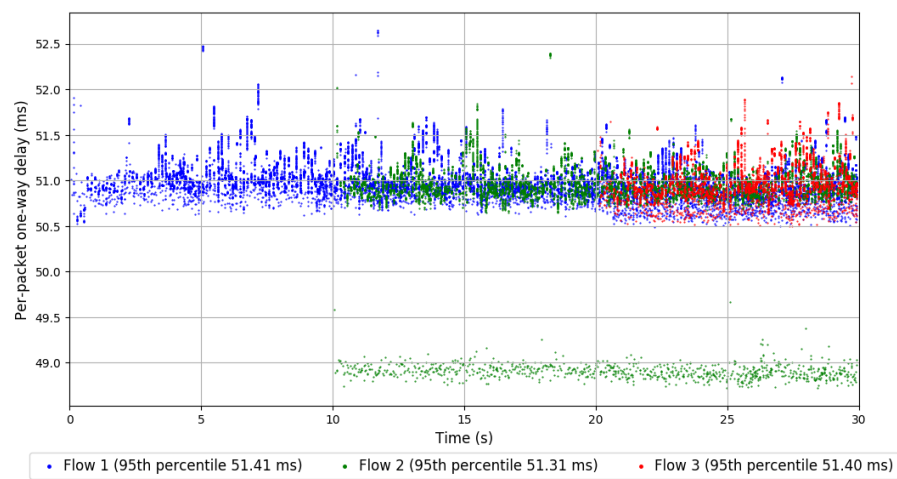
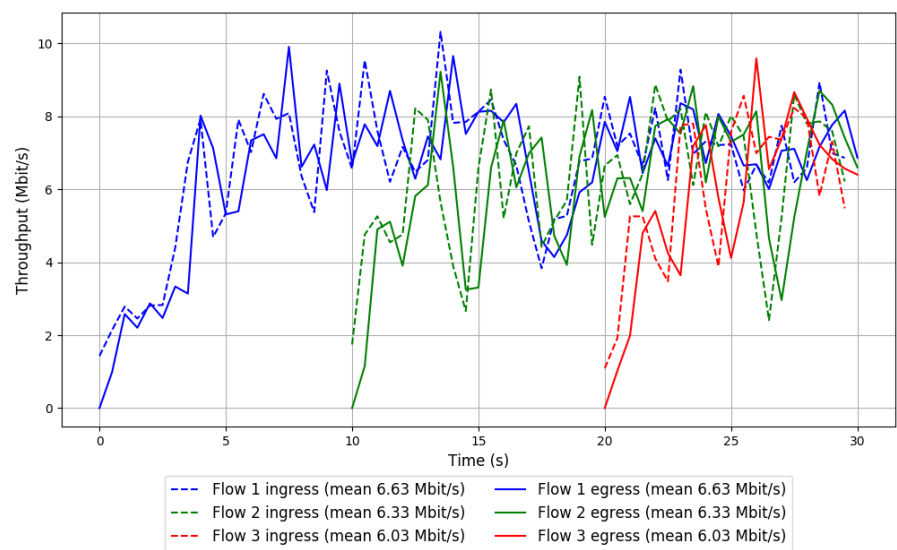


Run 3: Statistics of Sprout

Start at: 2018-08-03 11:52:57
End at: 2018-08-03 11:53:27
Local clock offset: -0.035 ms
Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-08-03 17:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 51.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 51.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 51.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 51.398 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

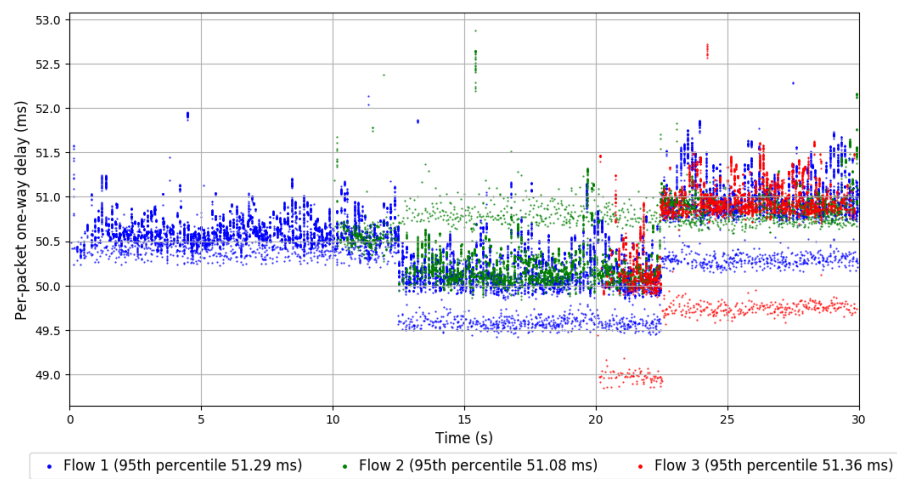
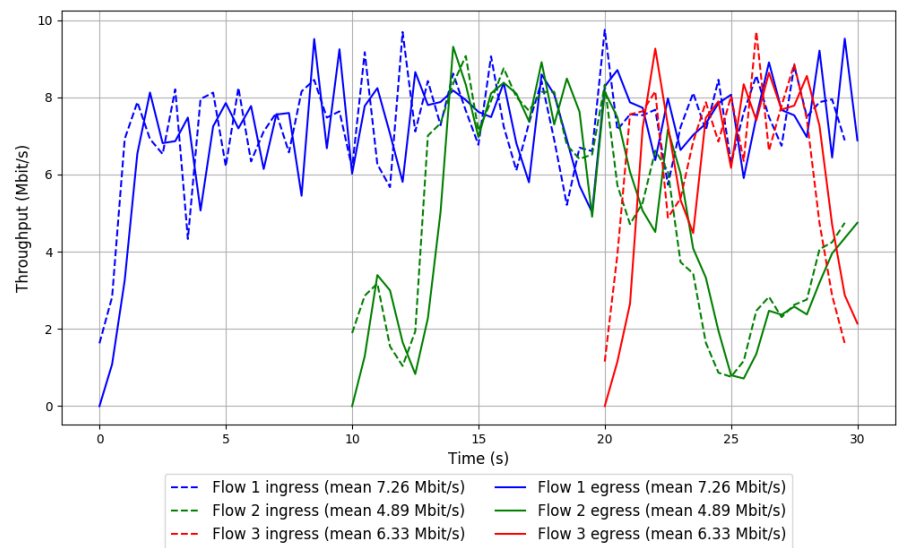


Run 4: Statistics of Sprout

Start at: 2018-08-03 12:18:26
End at: 2018-08-03 12:18:56
Local clock offset: -0.019 ms
Remote clock offset: -0.046 ms

```
# Below is generated by plot.py at 2018-08-03 17:48:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 51.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 51.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 51.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 51.362 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

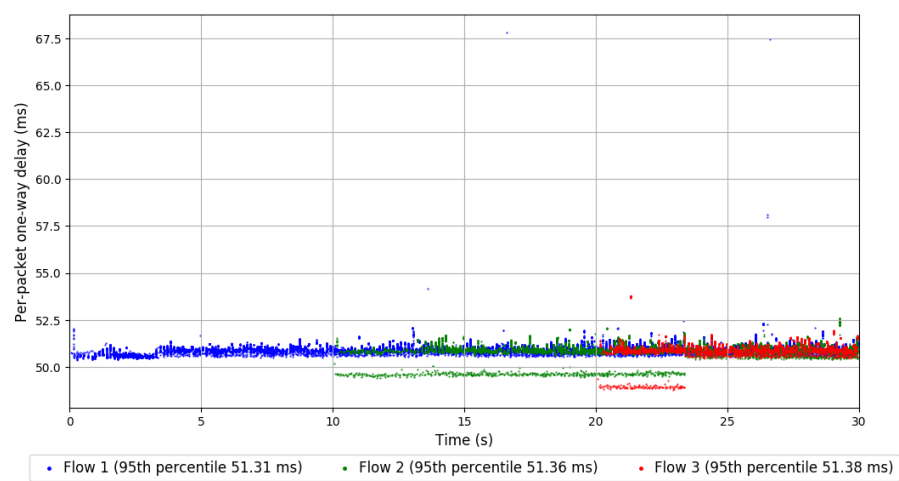
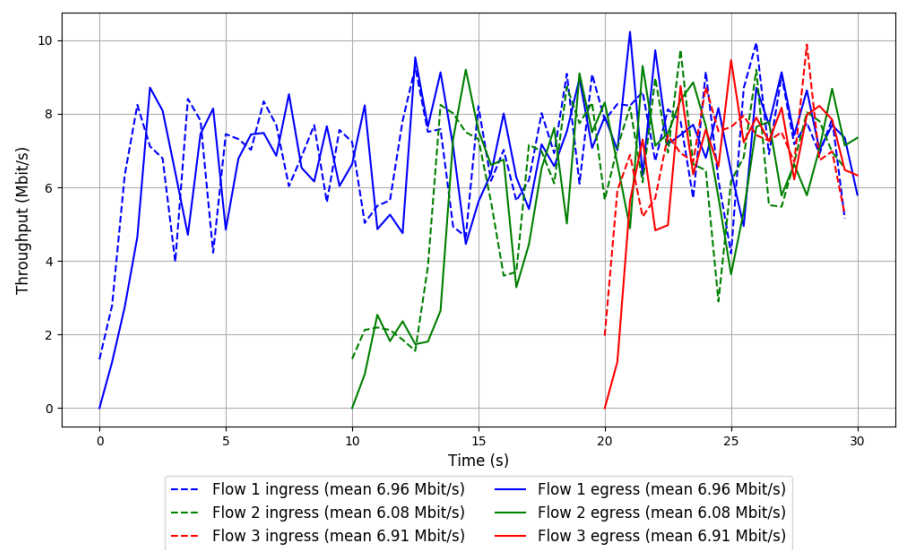


Run 5: Statistics of Sprout

Start at: 2018-08-03 12:44:05
End at: 2018-08-03 12:44:35
Local clock offset: 0.027 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-03 17:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 51.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 51.310 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 51.383 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

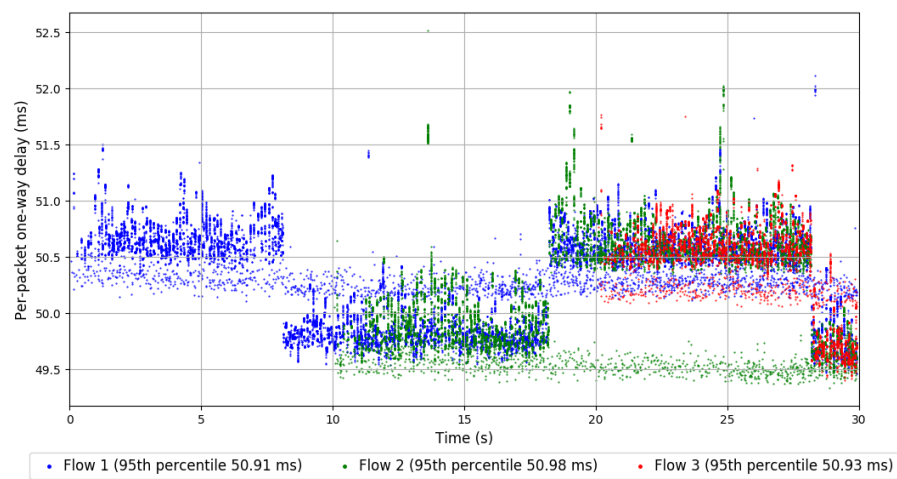
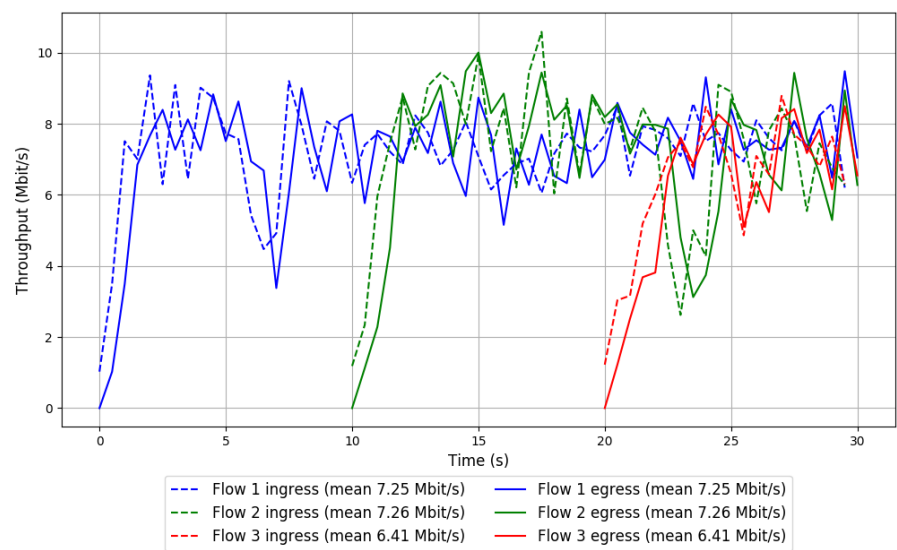


Run 6: Statistics of Sprout

Start at: 2018-08-03 13:09:40
End at: 2018-08-03 13:10:10
Local clock offset: 0.096 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-03 17:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 50.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 50.911 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 50.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

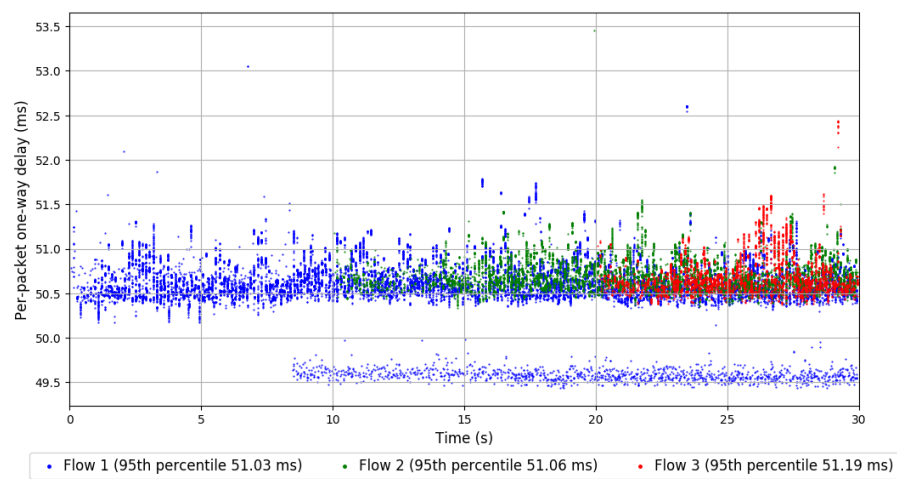
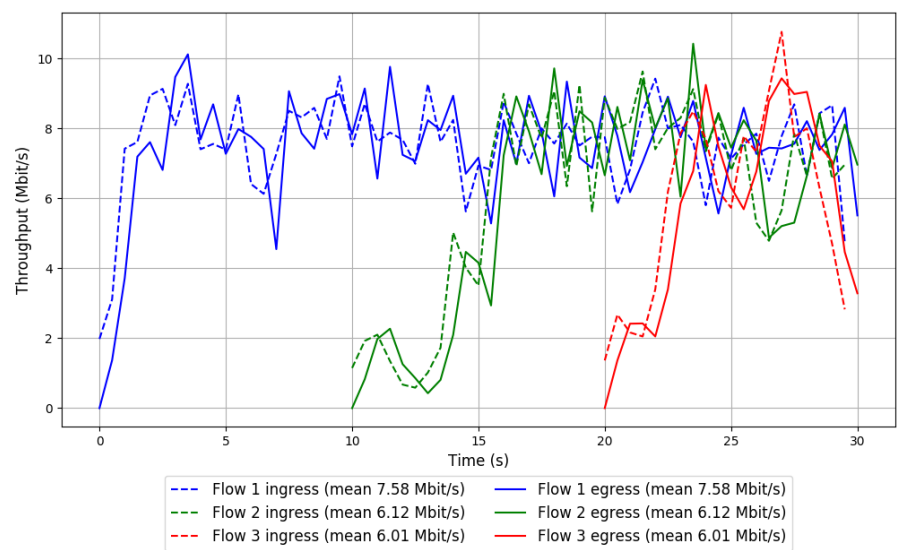


Run 7: Statistics of Sprout

Start at: 2018-08-03 13:35:20
End at: 2018-08-03 13:35:50
Local clock offset: 0.134 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-03 17:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 51.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 51.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.01 Mbit/s
95th percentile per-packet one-way delay: 51.193 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

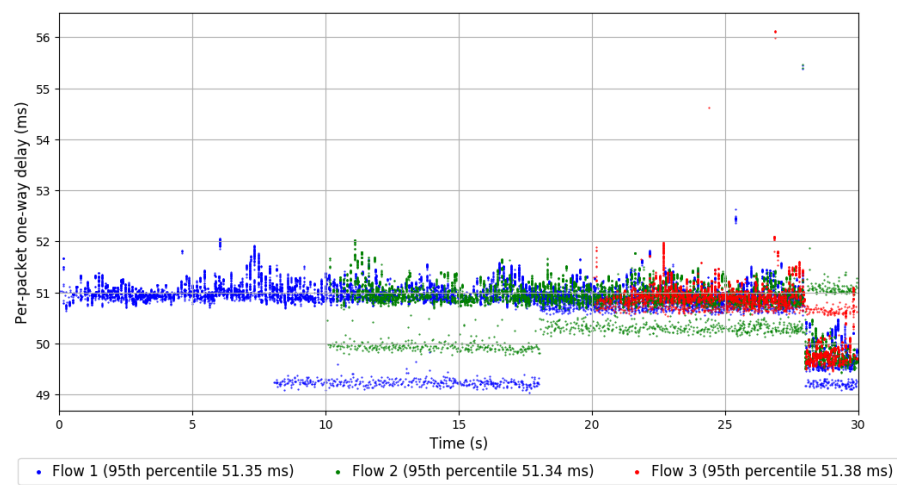
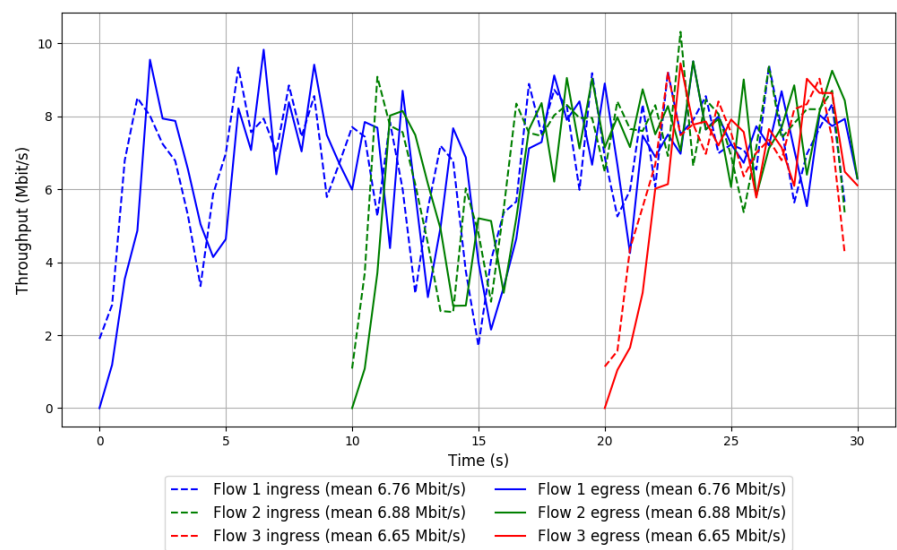


Run 8: Statistics of Sprout

Start at: 2018-08-03 14:00:50
End at: 2018-08-03 14:01:20
Local clock offset: -0.324 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-03 17:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 51.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 51.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 51.375 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-03 14:26:06

End at: 2018-08-03 14:26:36

Local clock offset: 0.087 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-03 17:48:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 51.228 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 51.219 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 51.234 ms

Loss rate: 0.00%

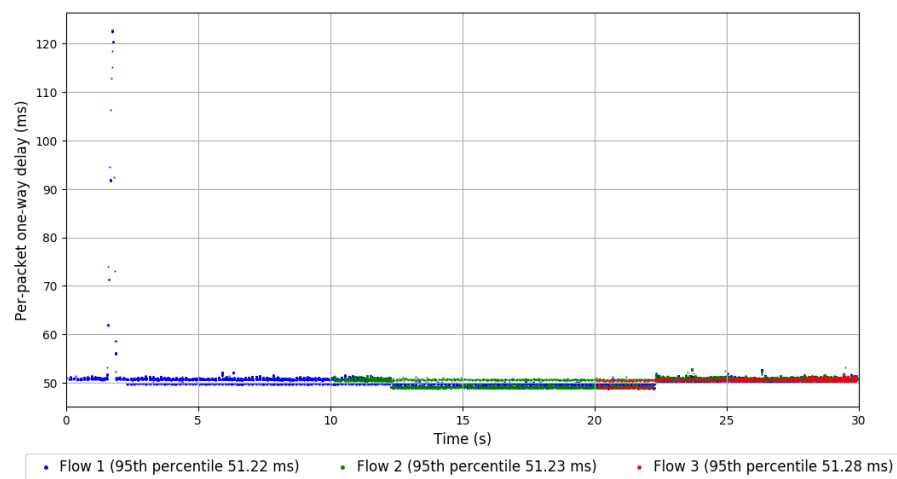
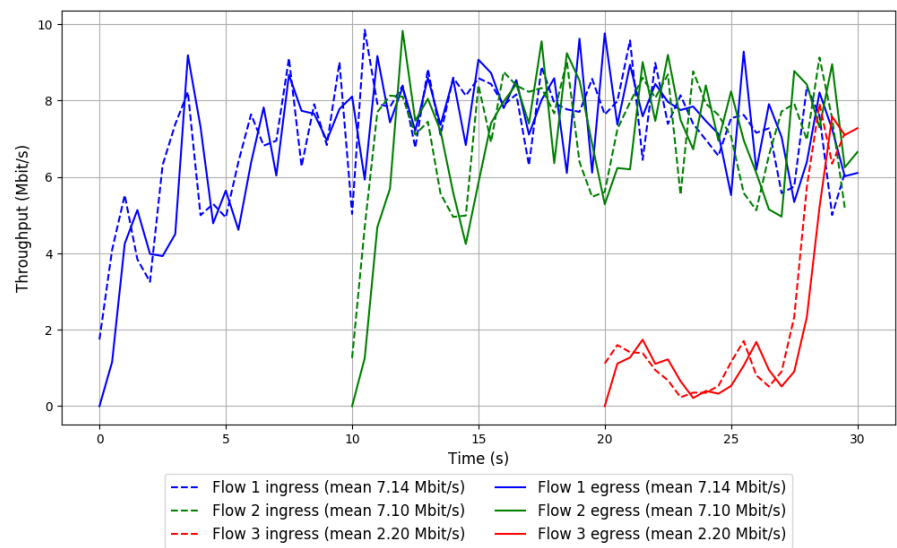
-- Flow 3:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 51.283 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

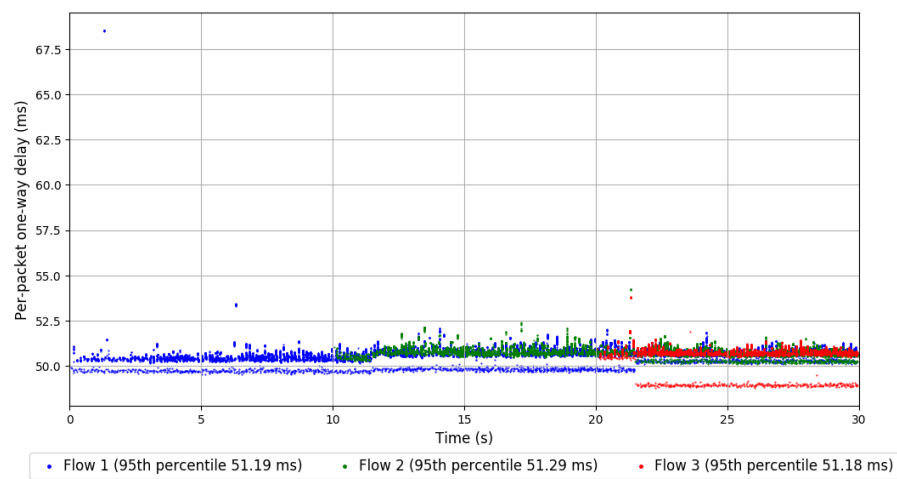
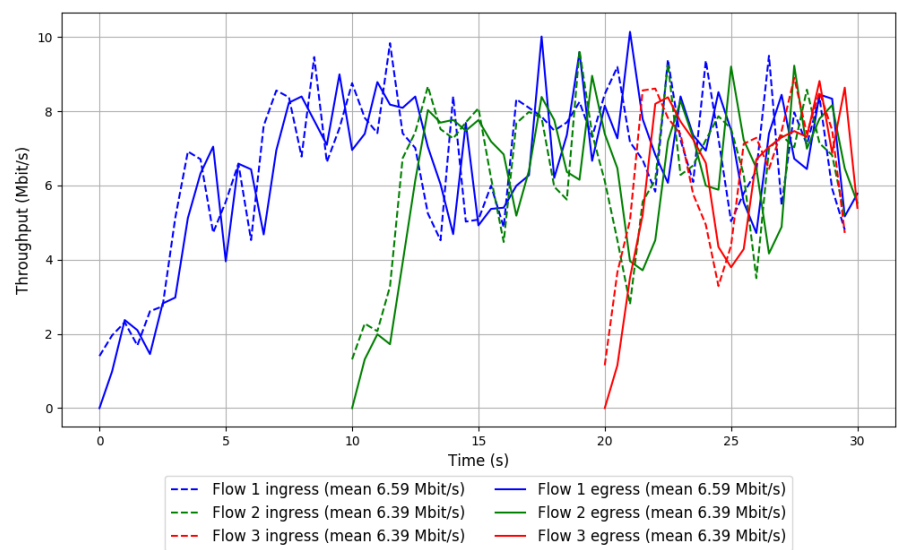


Run 10: Statistics of Sprout

Start at: 2018-08-03 14:51:27
End at: 2018-08-03 14:51:57
Local clock offset: 0.066 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-08-03 17:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 51.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 51.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 51.290 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

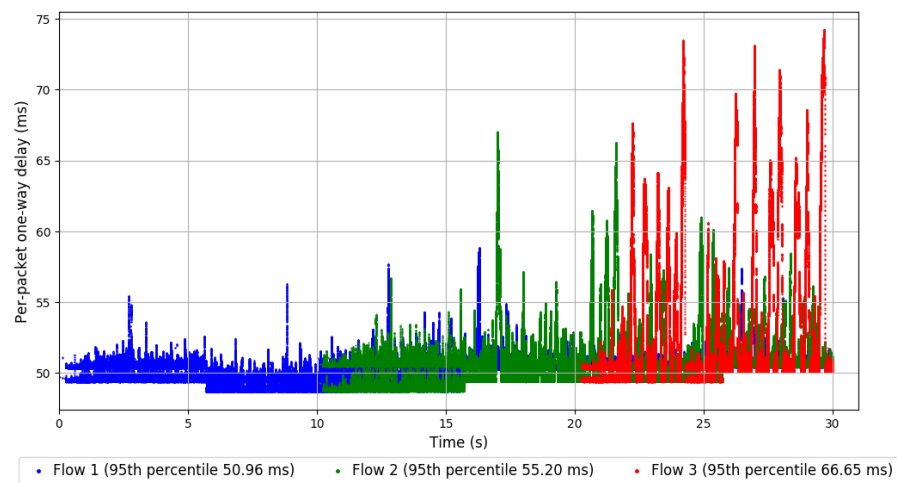
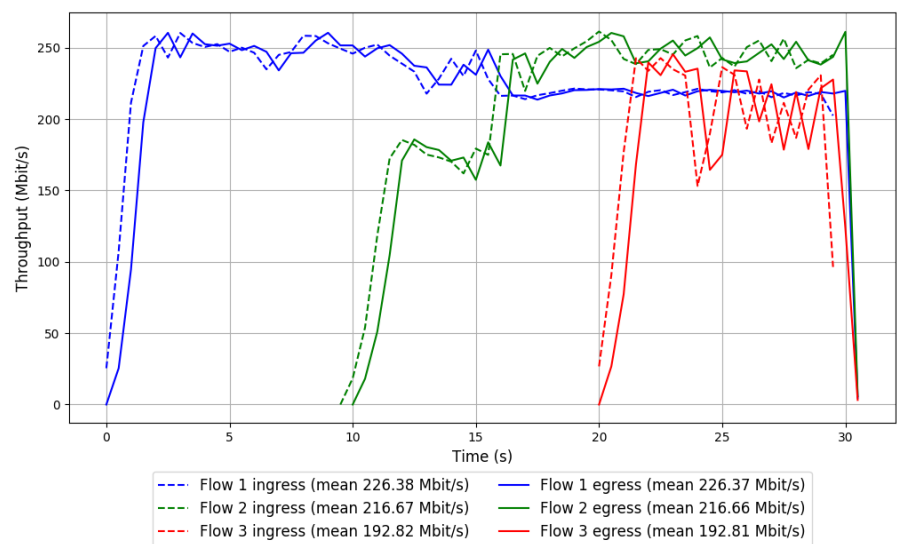


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-03 10:50:22
End at: 2018-08-03 10:50:52
Local clock offset: 0.087 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-08-03 17:54:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 434.83 Mbit/s
95th percentile per-packet one-way delay: 55.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.37 Mbit/s
95th percentile per-packet one-way delay: 50.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 216.66 Mbit/s
95th percentile per-packet one-way delay: 55.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 192.81 Mbit/s
95th percentile per-packet one-way delay: 66.654 ms
Loss rate: 0.00%
```

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

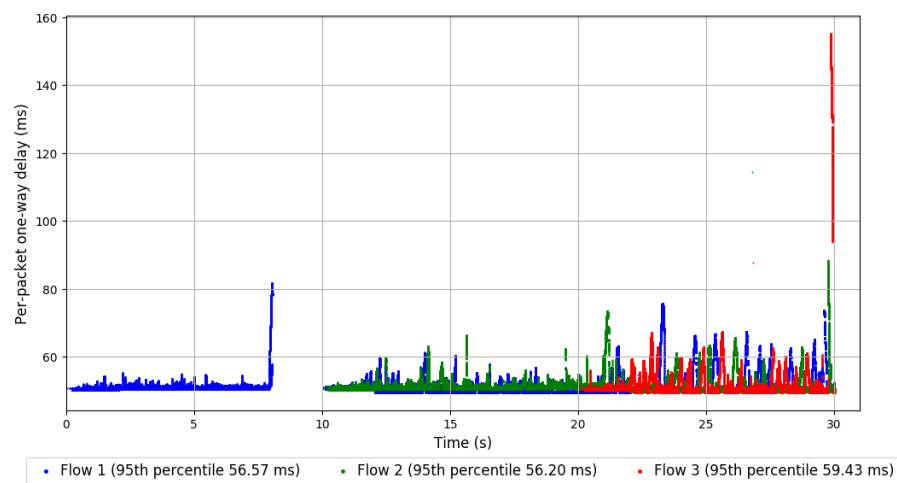
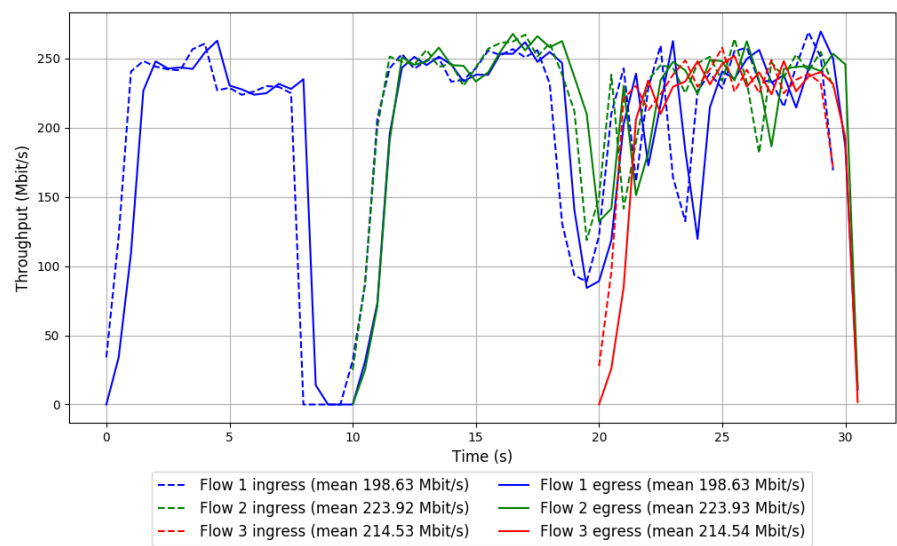


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-03 11:15:56
End at: 2018-08-03 11:16:26
Local clock offset: 0.136 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-08-03 17:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 419.02 Mbit/s
95th percentile per-packet one-way delay: 57.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.63 Mbit/s
95th percentile per-packet one-way delay: 56.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 223.93 Mbit/s
95th percentile per-packet one-way delay: 56.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 59.429 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-03 11:41:29

End at: 2018-08-03 11:41:59

Local clock offset: -0.367 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-03 17:54:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 425.75 Mbit/s

95th percentile per-packet one-way delay: 54.147 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 219.39 Mbit/s

95th percentile per-packet one-way delay: 52.374 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.77 Mbit/s

95th percentile per-packet one-way delay: 58.474 ms

Loss rate: 0.00%

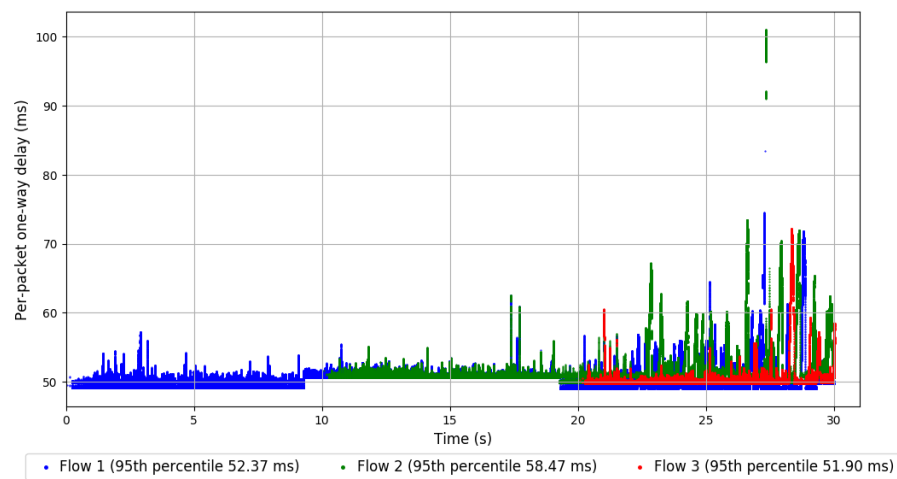
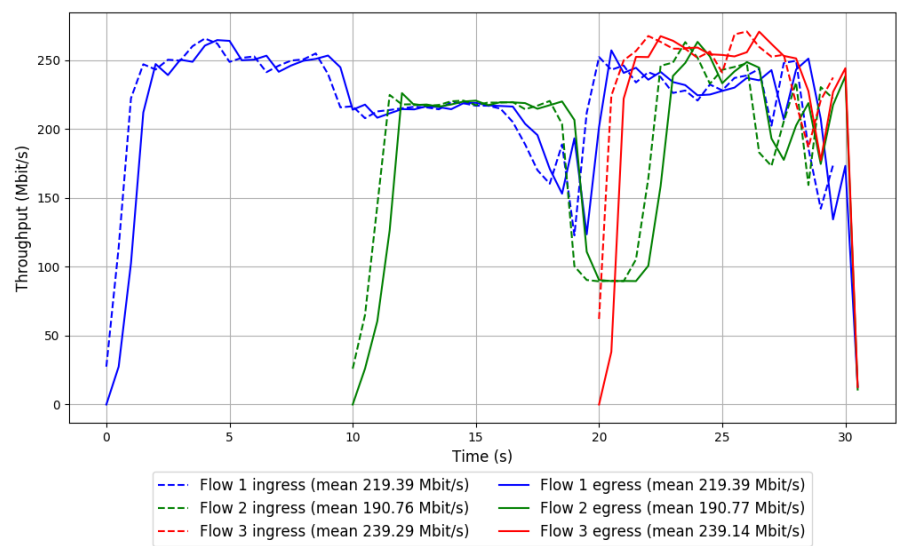
-- Flow 3:

Average throughput: 239.14 Mbit/s

95th percentile per-packet one-way delay: 51.895 ms

Loss rate: 0.04%

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

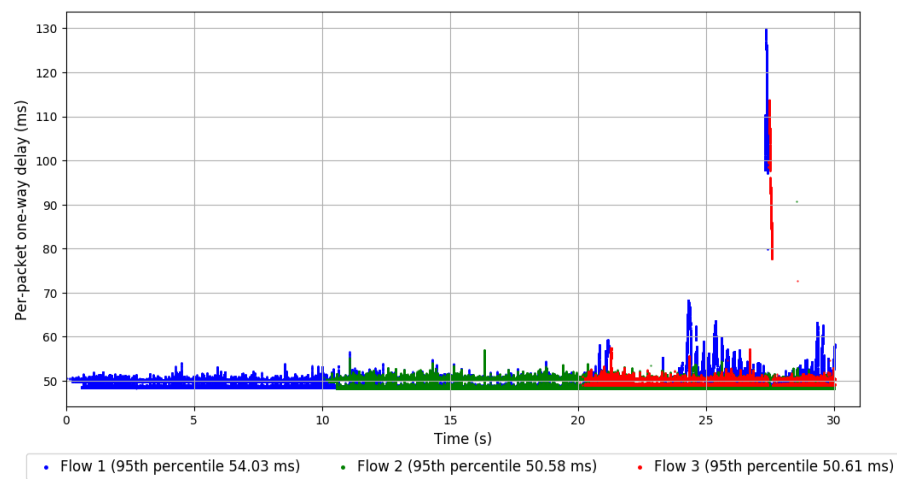
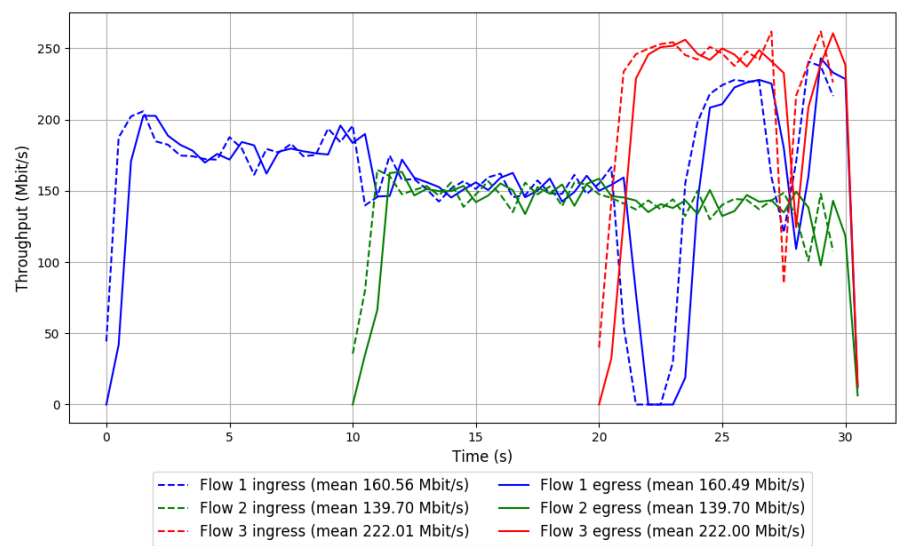


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-03 12:07:07
End at: 2018-08-03 12:07:37
Local clock offset: 0.34 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-03 17:54:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.32 Mbit/s
95th percentile per-packet one-way delay: 51.912 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 160.49 Mbit/s
95th percentile per-packet one-way delay: 54.033 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 139.70 Mbit/s
95th percentile per-packet one-way delay: 50.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 222.00 Mbit/s
95th percentile per-packet one-way delay: 50.609 ms
Loss rate: 0.00%

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

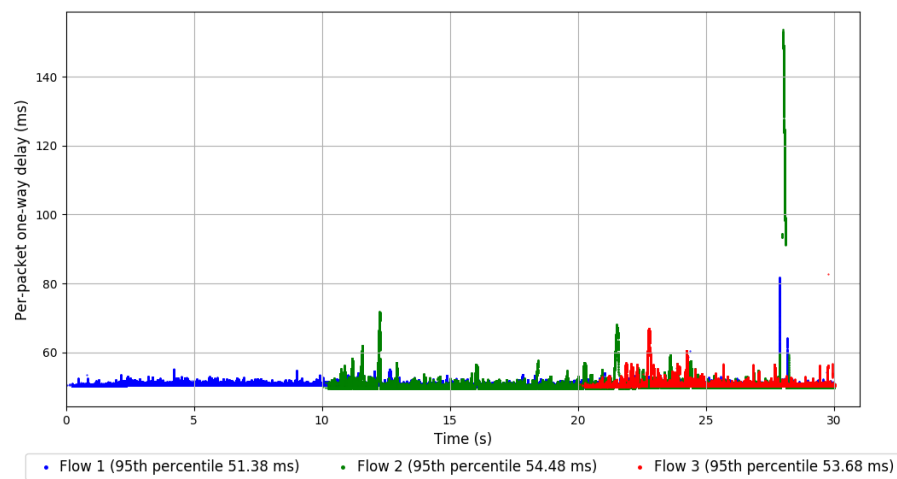
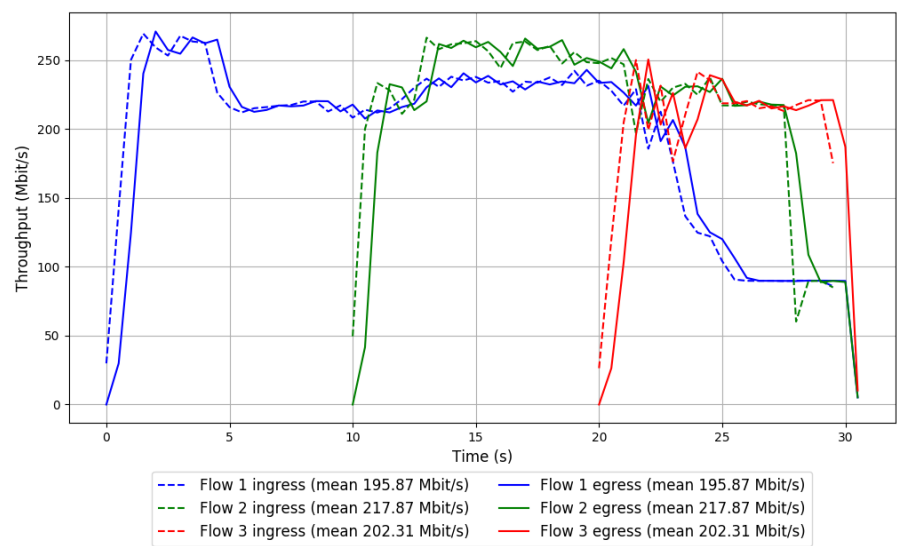


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-03 12:32:26
End at: 2018-08-03 12:32:56
Local clock offset: -0.067 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-03 17:58:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.22 Mbit/s
95th percentile per-packet one-way delay: 52.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.87 Mbit/s
95th percentile per-packet one-way delay: 51.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 217.87 Mbit/s
95th percentile per-packet one-way delay: 54.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 202.31 Mbit/s
95th percentile per-packet one-way delay: 53.683 ms
Loss rate: 0.00%

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

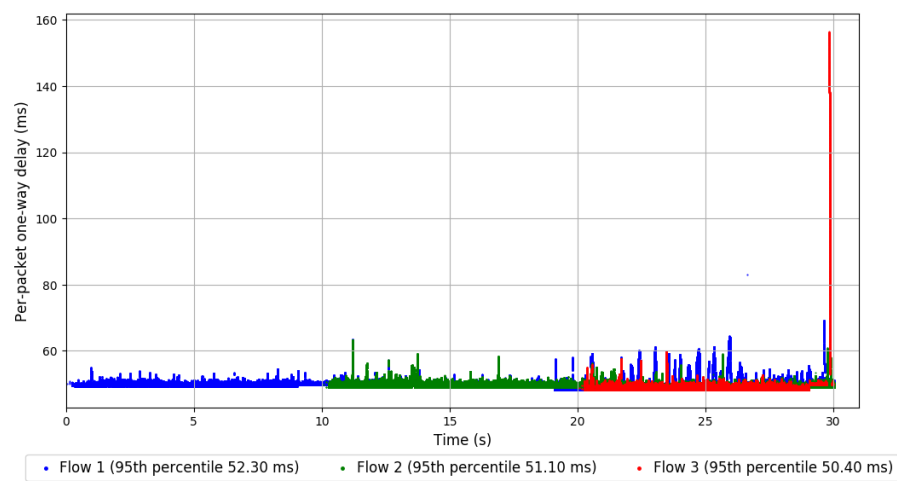
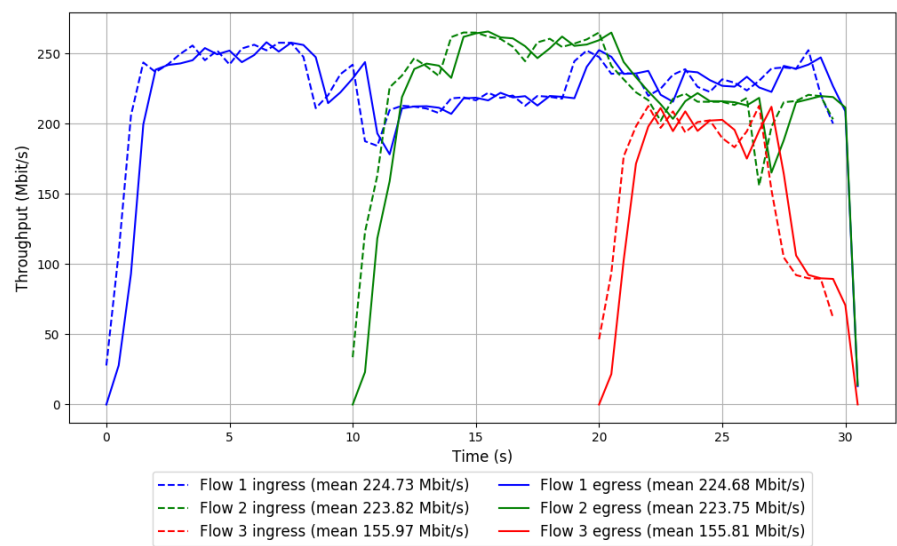


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-03 12:57:59
End at: 2018-08-03 12:58:29
Local clock offset: 0.452 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-03 18:00:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.22 Mbit/s
95th percentile per-packet one-way delay: 51.569 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 224.68 Mbit/s
95th percentile per-packet one-way delay: 52.299 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 223.75 Mbit/s
95th percentile per-packet one-way delay: 51.098 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 155.81 Mbit/s
95th percentile per-packet one-way delay: 50.395 ms
Loss rate: 0.09%

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

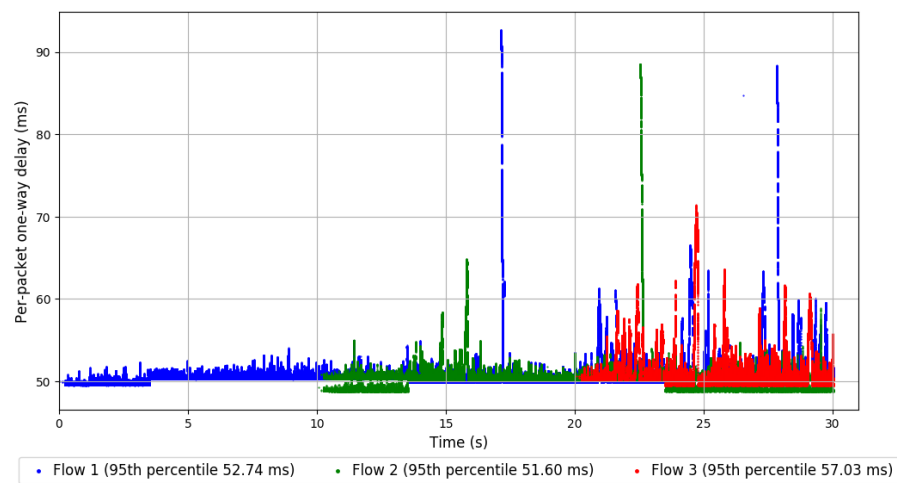
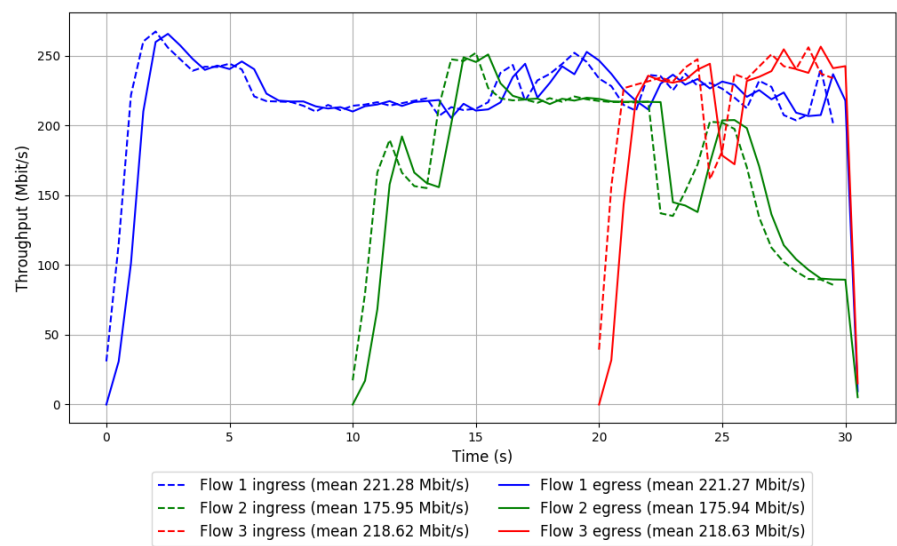


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-03 13:23:45
End at: 2018-08-03 13:24:15
Local clock offset: 0.067 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-03 18:02:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.07 Mbit/s
95th percentile per-packet one-way delay: 53.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.27 Mbit/s
95th percentile per-packet one-way delay: 52.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.94 Mbit/s
95th percentile per-packet one-way delay: 51.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 218.63 Mbit/s
95th percentile per-packet one-way delay: 57.032 ms
Loss rate: 0.00%

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

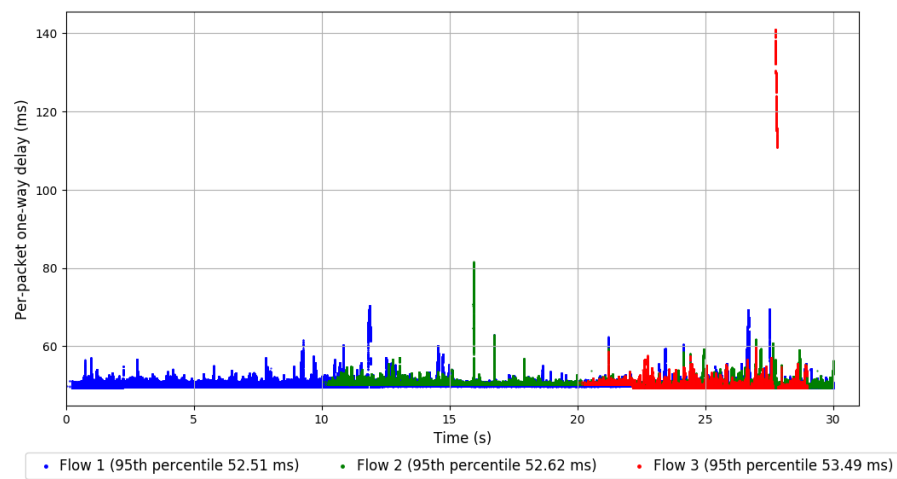
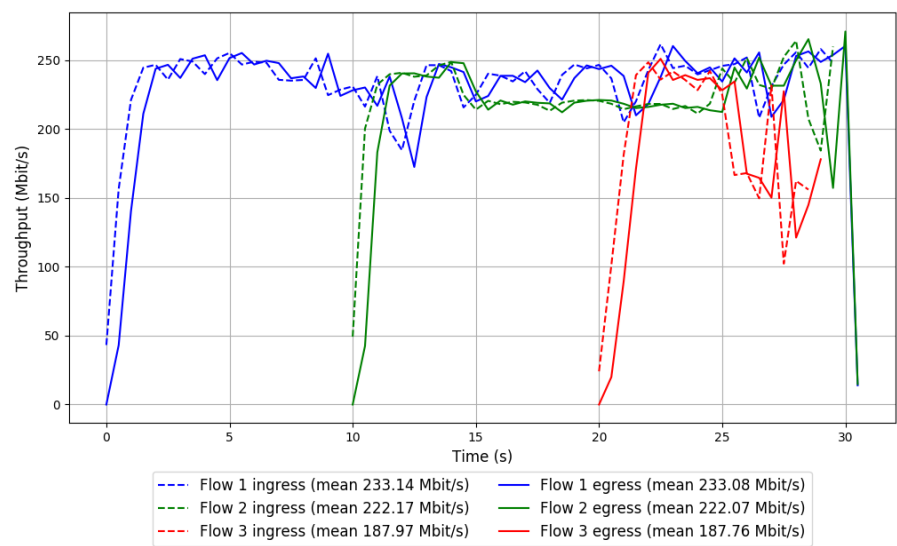


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-03 13:49:16
End at: 2018-08-03 13:49:46
Local clock offset: 0.034 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-03 18:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.67 Mbit/s
95th percentile per-packet one-way delay: 52.691 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 233.08 Mbit/s
95th percentile per-packet one-way delay: 52.511 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 222.07 Mbit/s
95th percentile per-packet one-way delay: 52.615 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 187.76 Mbit/s
95th percentile per-packet one-way delay: 53.489 ms
Loss rate: 0.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-03 14:14:33

End at: 2018-08-03 14:15:03

Local clock offset: -0.363 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-03 18:06:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 417.09 Mbit/s

95th percentile per-packet one-way delay: 56.401 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 221.95 Mbit/s

95th percentile per-packet one-way delay: 55.375 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 203.42 Mbit/s

95th percentile per-packet one-way delay: 57.794 ms

Loss rate: 0.01%

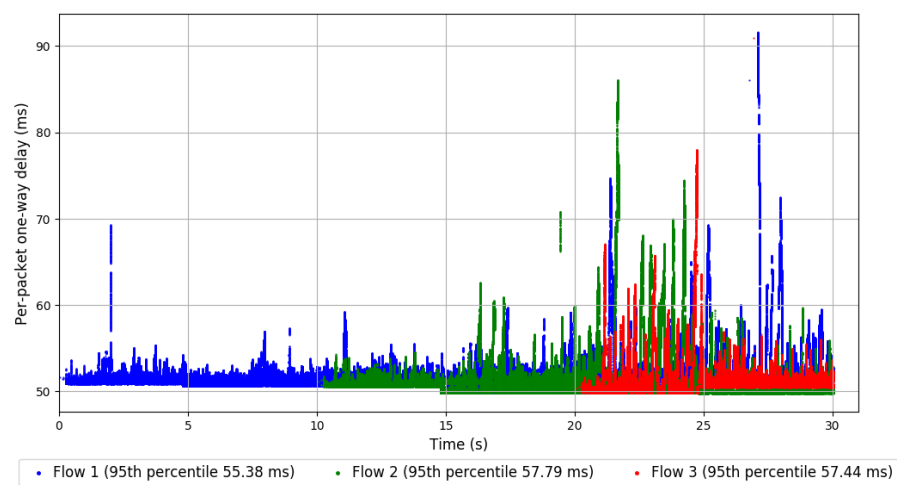
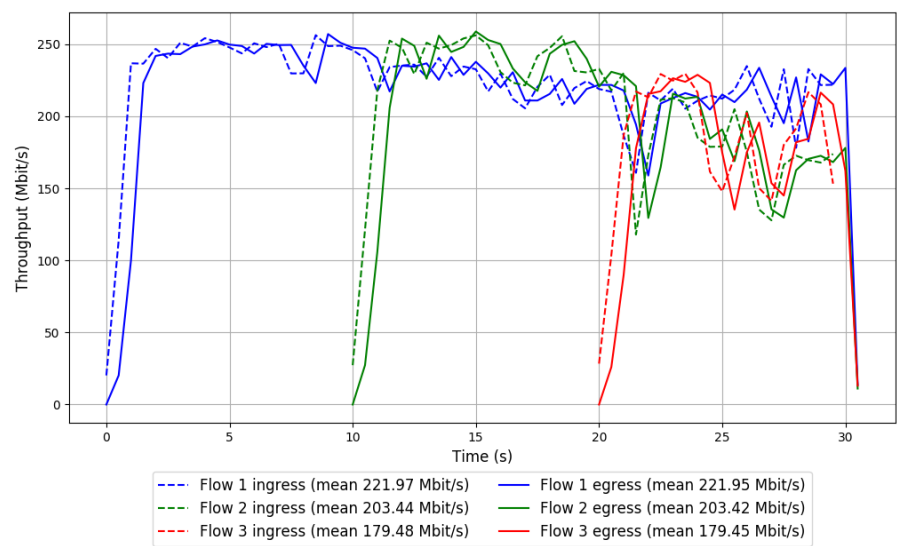
-- Flow 3:

Average throughput: 179.45 Mbit/s

95th percentile per-packet one-way delay: 57.439 ms

Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-03 14:39:56

End at: 2018-08-03 14:40:26

Local clock offset: 0.396 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-03 18:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.42 Mbit/s

95th percentile per-packet one-way delay: 53.780 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 177.04 Mbit/s

95th percentile per-packet one-way delay: 53.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 215.43 Mbit/s

95th percentile per-packet one-way delay: 53.922 ms

Loss rate: 0.07%

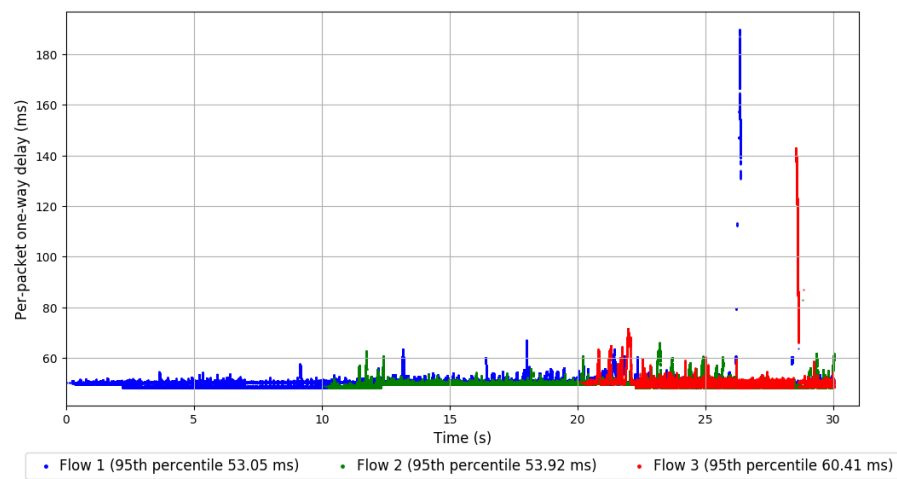
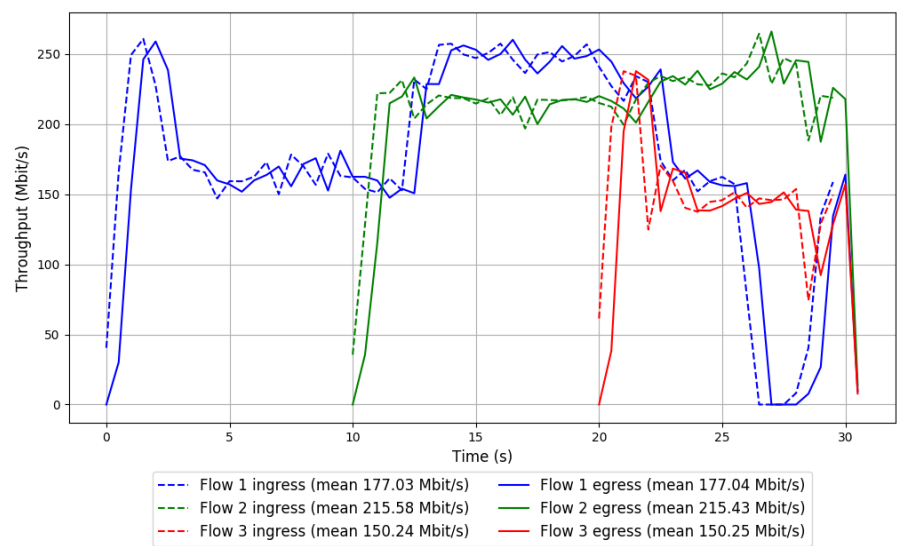
-- Flow 3:

Average throughput: 150.25 Mbit/s

95th percentile per-packet one-way delay: 60.409 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-03 11:00:40

End at: 2018-08-03 11:01:10

Local clock offset: 0.14 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-03 18:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.09 Mbit/s

95th percentile per-packet one-way delay: 55.248 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 85.82 Mbit/s

95th percentile per-packet one-way delay: 52.818 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.58 Mbit/s

95th percentile per-packet one-way delay: 57.462 ms

Loss rate: 0.00%

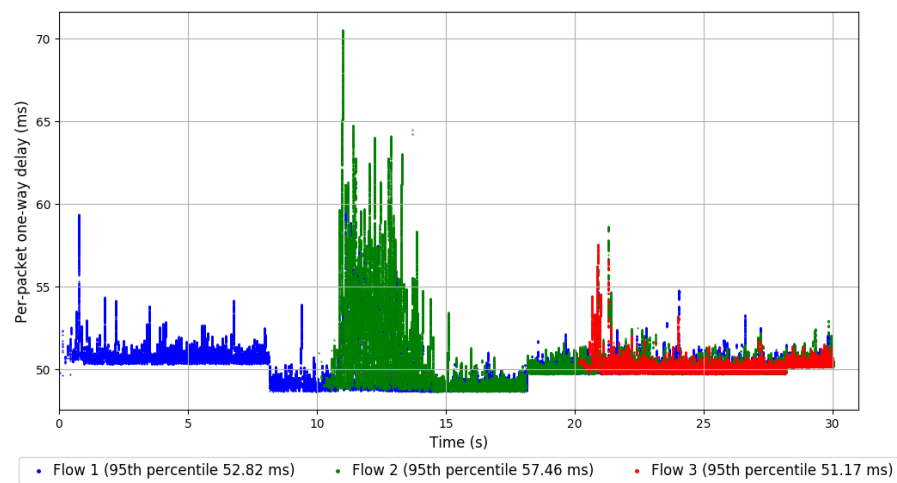
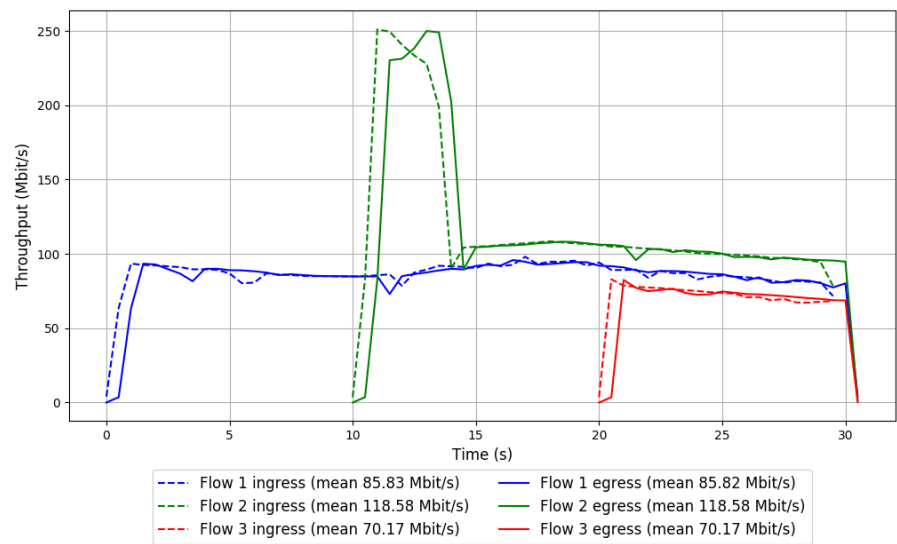
-- Flow 3:

Average throughput: 70.17 Mbit/s

95th percentile per-packet one-way delay: 51.174 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

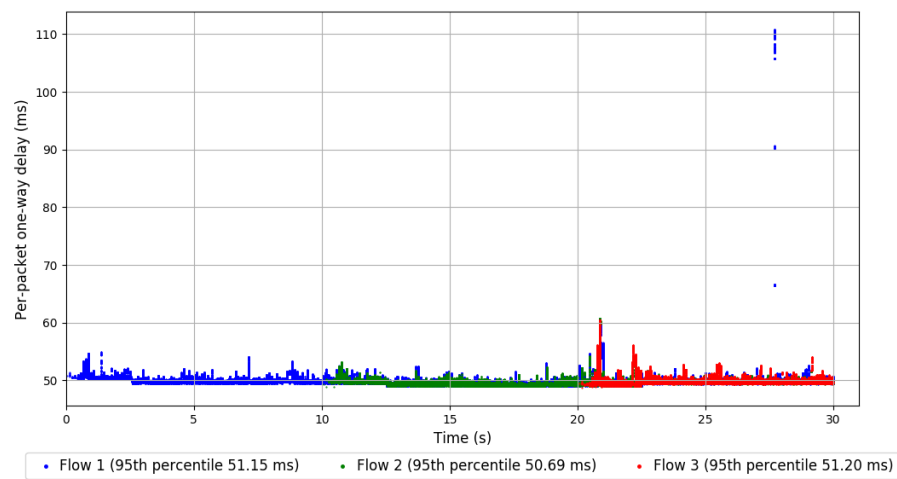
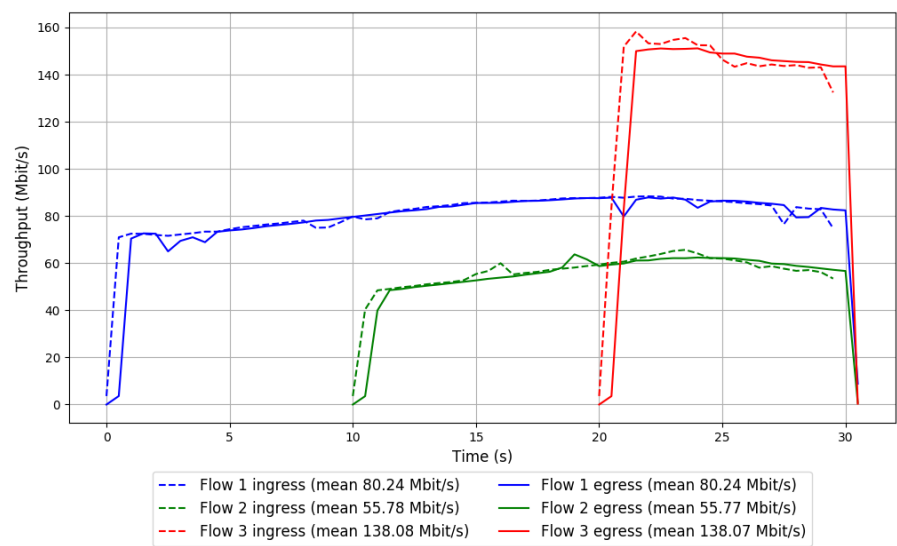


Run 2: Statistics of TCP Vegas

Start at: 2018-08-03 11:26:16
End at: 2018-08-03 11:26:46
Local clock offset: 0.17 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.22 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.77 Mbit/s
95th percentile per-packet one-way delay: 50.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.07 Mbit/s
95th percentile per-packet one-way delay: 51.204 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-03 11:51:45

End at: 2018-08-03 11:52:15

Local clock offset: -0.399 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-08-03 18:07:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 52.340 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.09 Mbit/s

95th percentile per-packet one-way delay: 51.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 52.567 ms

Loss rate: 0.00%

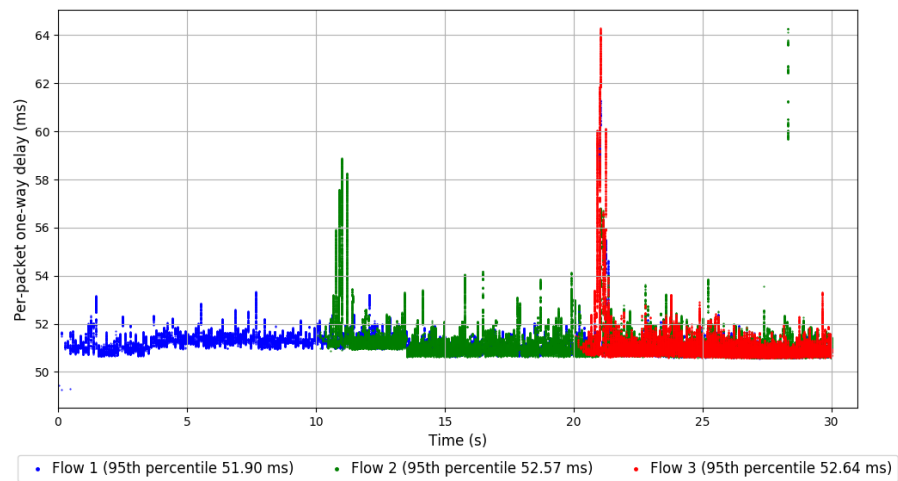
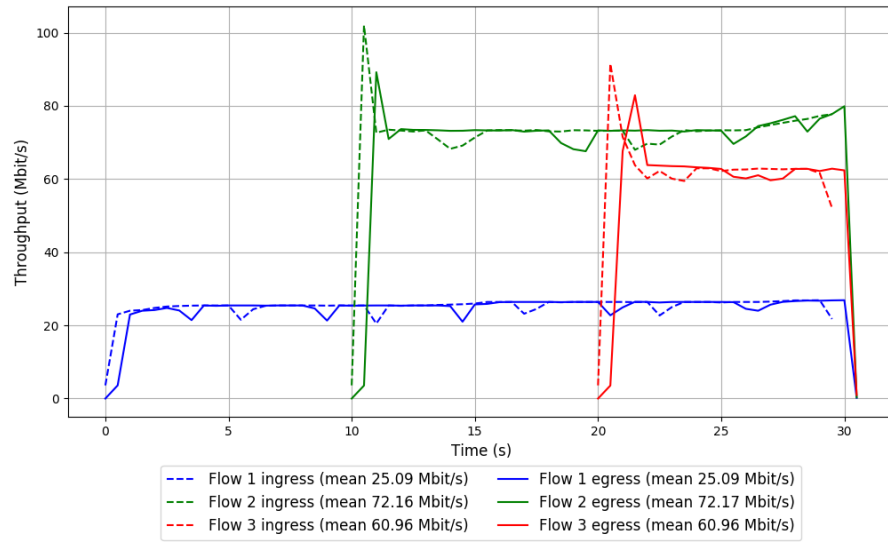
-- Flow 3:

Average throughput: 60.96 Mbit/s

95th percentile per-packet one-way delay: 52.636 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

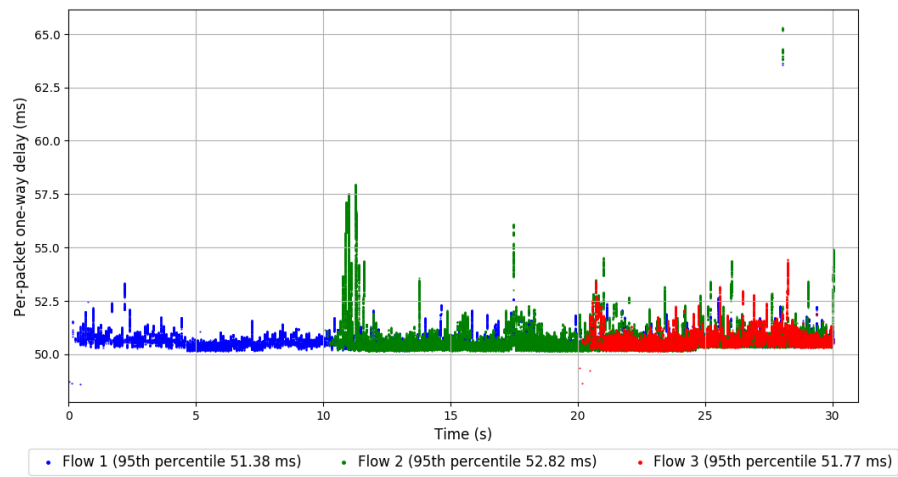
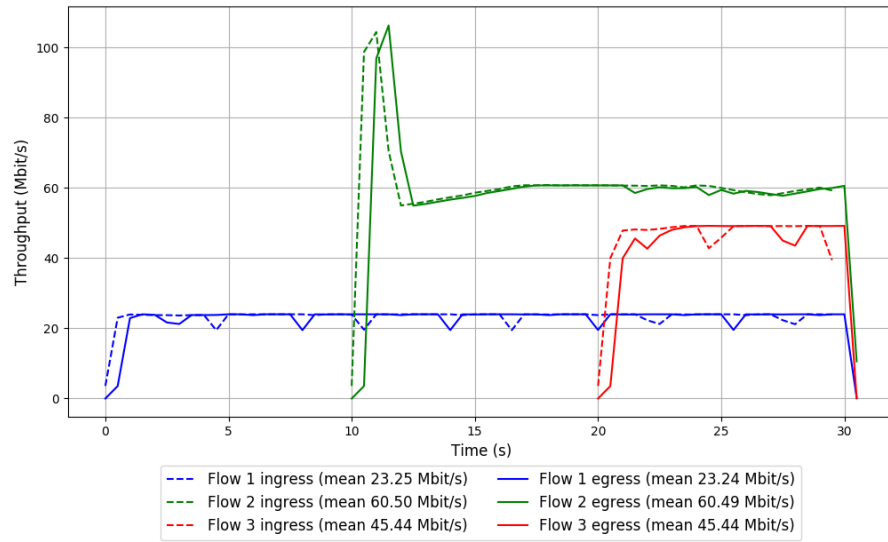


Run 4: Statistics of TCP Vegas

Start at: 2018-08-03 12:17:14
End at: 2018-08-03 12:17:44
Local clock offset: 0.311 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 51.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.49 Mbit/s
95th percentile per-packet one-way delay: 52.818 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 51.773 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

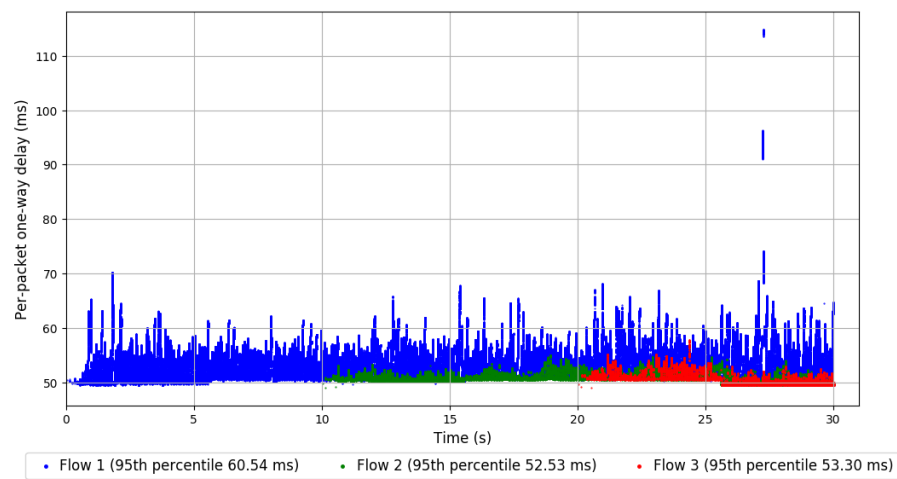
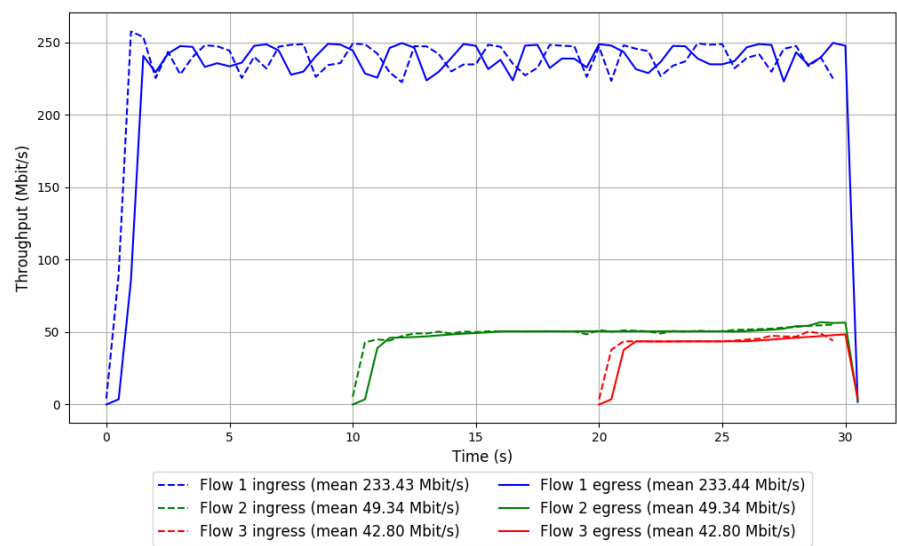


Run 5: Statistics of TCP Vegas

Start at: 2018-08-03 12:42:43
End at: 2018-08-03 12:43:13
Local clock offset: 0.067 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.55 Mbit/s
95th percentile per-packet one-way delay: 60.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.44 Mbit/s
95th percentile per-packet one-way delay: 60.538 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 52.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 53.301 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

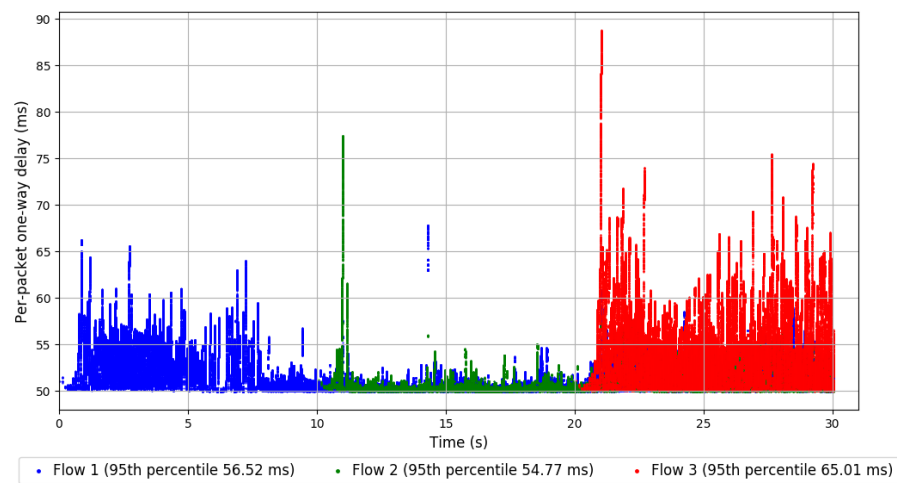
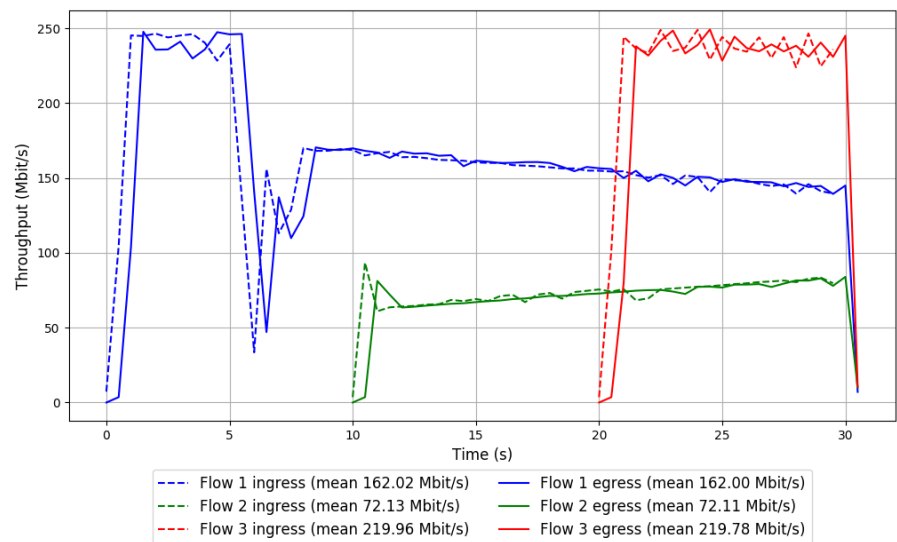


Run 6: Statistics of TCP Vegas

Start at: 2018-08-03 13:08:18
End at: 2018-08-03 13:08:48
Local clock offset: -0.287 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.06 Mbit/s
95th percentile per-packet one-way delay: 60.342 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 162.00 Mbit/s
95th percentile per-packet one-way delay: 56.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 54.768 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 219.78 Mbit/s
95th percentile per-packet one-way delay: 65.012 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

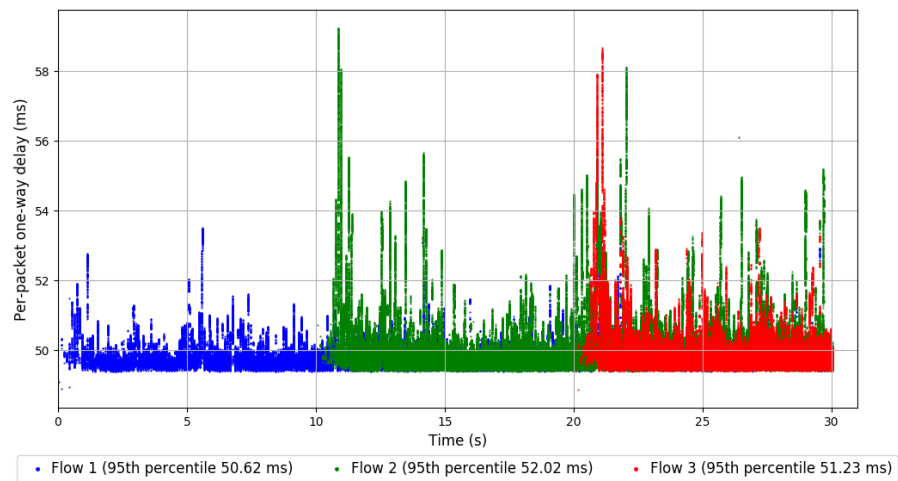
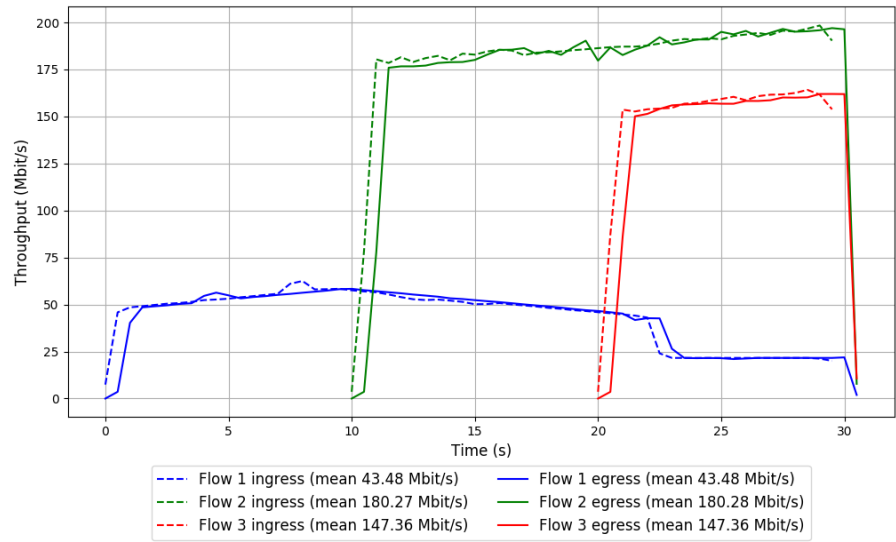


Run 7: Statistics of TCP Vegas

Start at: 2018-08-03 13:34:01
End at: 2018-08-03 13:34:31
Local clock offset: 0.143 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.52 Mbit/s
95th percentile per-packet one-way delay: 51.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.48 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 180.28 Mbit/s
95th percentile per-packet one-way delay: 52.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.36 Mbit/s
95th percentile per-packet one-way delay: 51.225 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

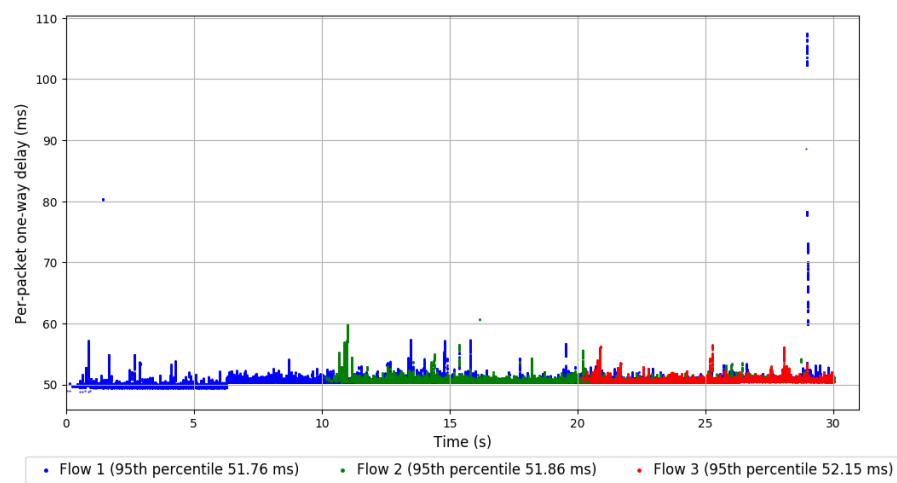
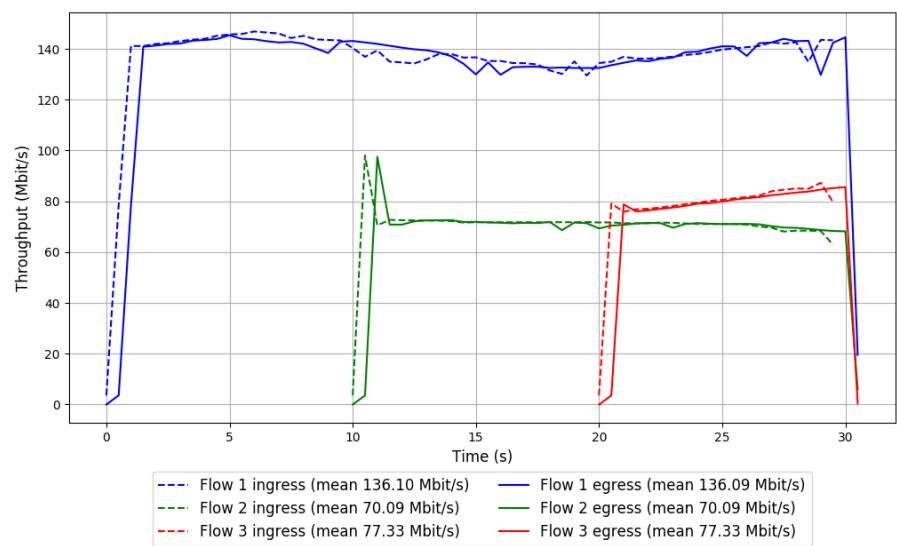


Run 8: Statistics of TCP Vegas

Start at: 2018-08-03 13:59:32
End at: 2018-08-03 14:00:02
Local clock offset: 0.045 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.39 Mbit/s
95th percentile per-packet one-way delay: 51.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 52.153 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

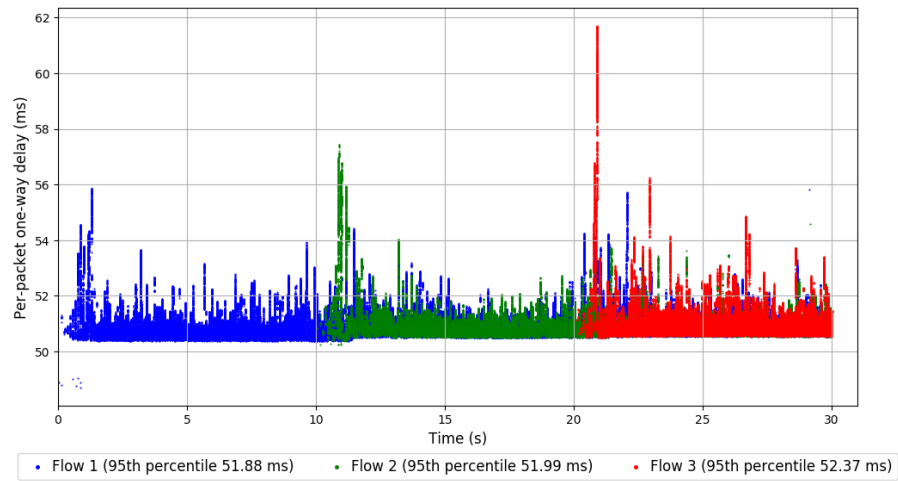
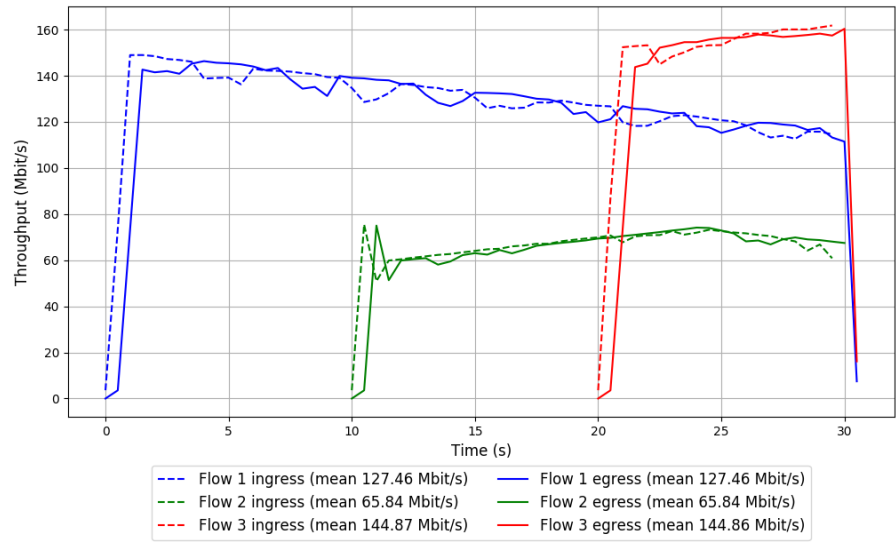


Run 9: Statistics of TCP Vegas

Start at: 2018-08-03 14:24:47
End at: 2018-08-03 14:25:17
Local clock offset: 0.077 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.36 Mbit/s
95th percentile per-packet one-way delay: 52.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.46 Mbit/s
95th percentile per-packet one-way delay: 51.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 51.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.86 Mbit/s
95th percentile per-packet one-way delay: 52.368 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

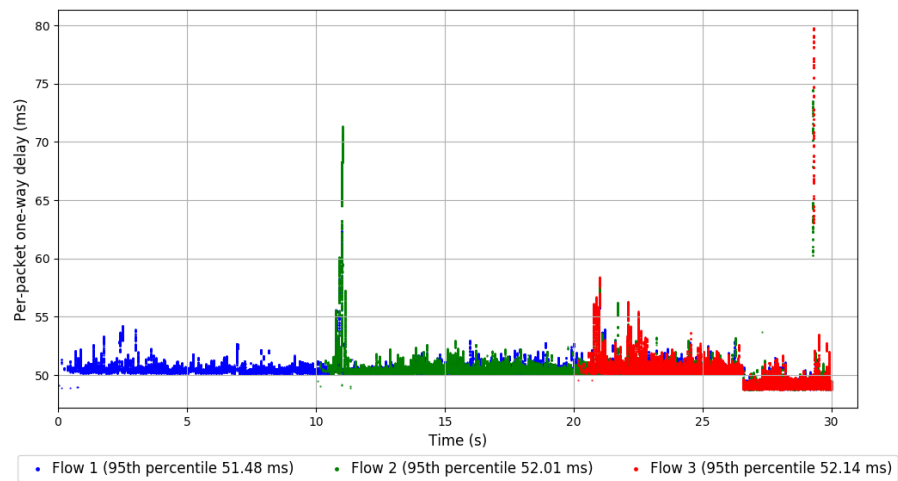
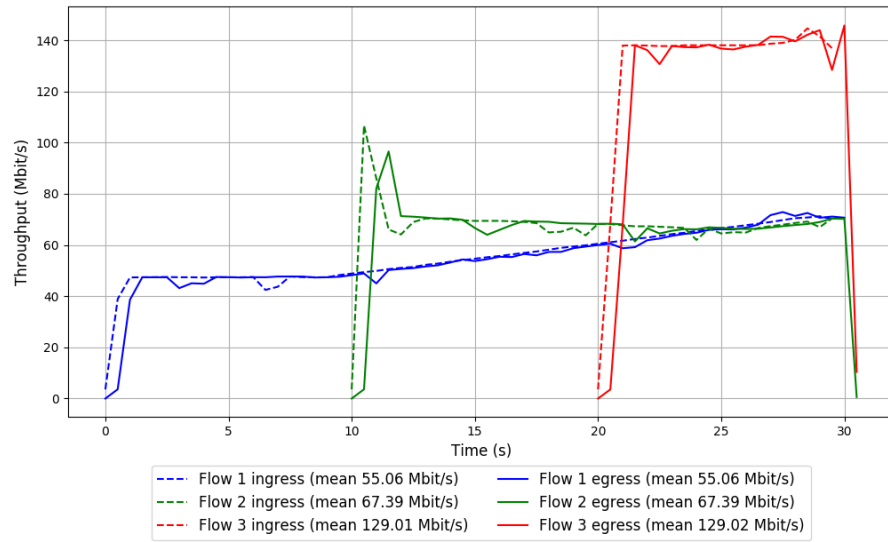


Run 10: Statistics of TCP Vegas

Start at: 2018-08-03 14:50:12
End at: 2018-08-03 14:50:42
Local clock offset: 0.034 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-08-03 18:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.74 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 51.483 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.02 Mbit/s
95th percentile per-packet one-way delay: 52.143 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

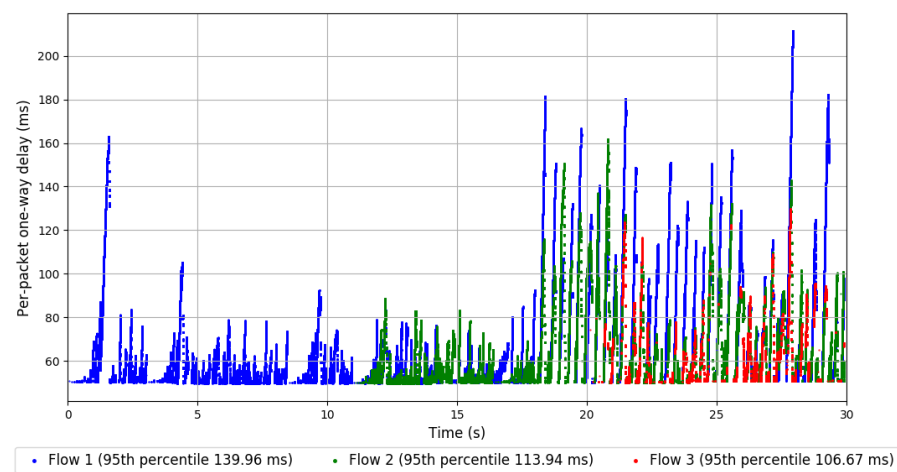
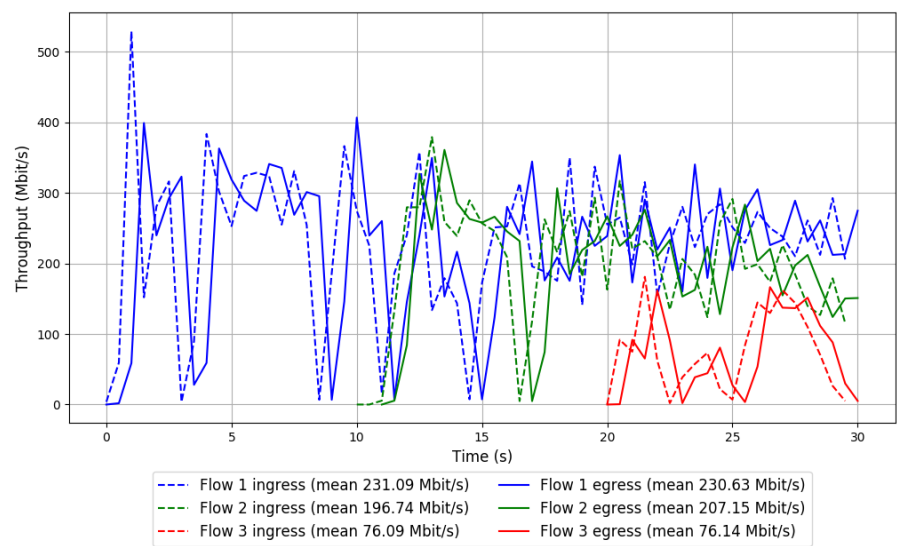


Run 1: Statistics of Verus

Start at: 2018-08-03 10:37:34
End at: 2018-08-03 10:38:04
Local clock offset: -0.272 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-08-03 18:11:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.11 Mbit/s
95th percentile per-packet one-way delay: 128.784 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 230.63 Mbit/s
95th percentile per-packet one-way delay: 139.961 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 207.15 Mbit/s
95th percentile per-packet one-way delay: 113.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.14 Mbit/s
95th percentile per-packet one-way delay: 106.667 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

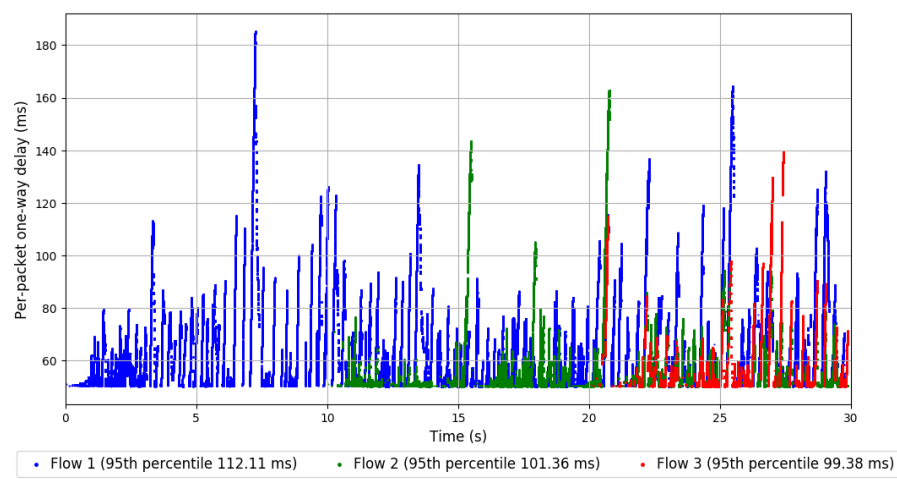
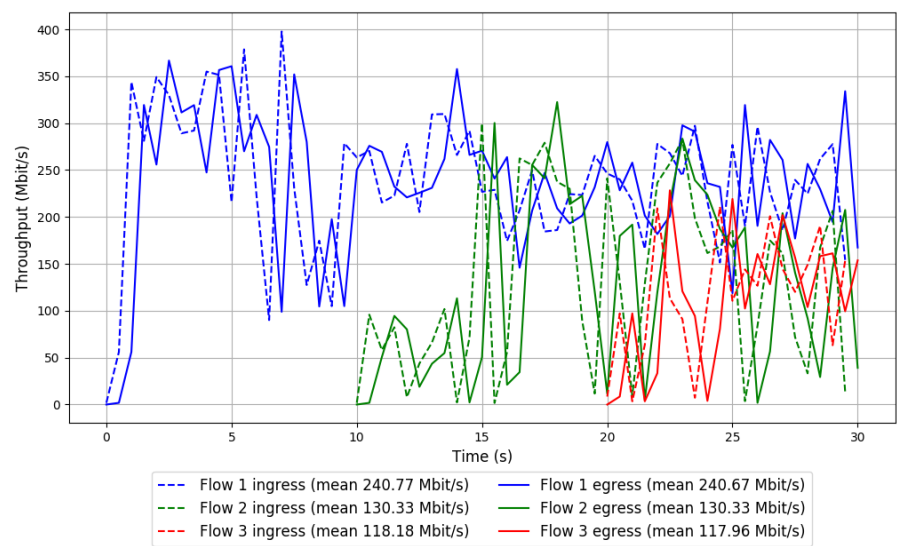


Run 2: Statistics of Verus

Start at: 2018-08-03 11:03:06
End at: 2018-08-03 11:03:37
Local clock offset: 0.121 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-03 18:12:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.48 Mbit/s
95th percentile per-packet one-way delay: 109.360 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 240.67 Mbit/s
95th percentile per-packet one-way delay: 112.108 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 130.33 Mbit/s
95th percentile per-packet one-way delay: 101.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.96 Mbit/s
95th percentile per-packet one-way delay: 99.381 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-03 11:28:41

End at: 2018-08-03 11:29:11

Local clock offset: -0.268 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-08-03 18:13:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.19 Mbit/s

95th percentile per-packet one-way delay: 85.283 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 231.79 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.50 Mbit/s

95th percentile per-packet one-way delay: 80.831 ms

Loss rate: 0.66%

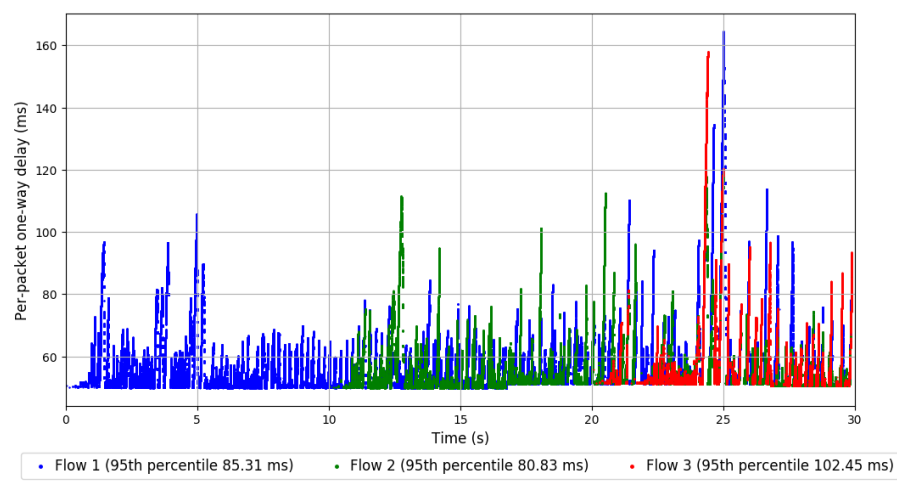
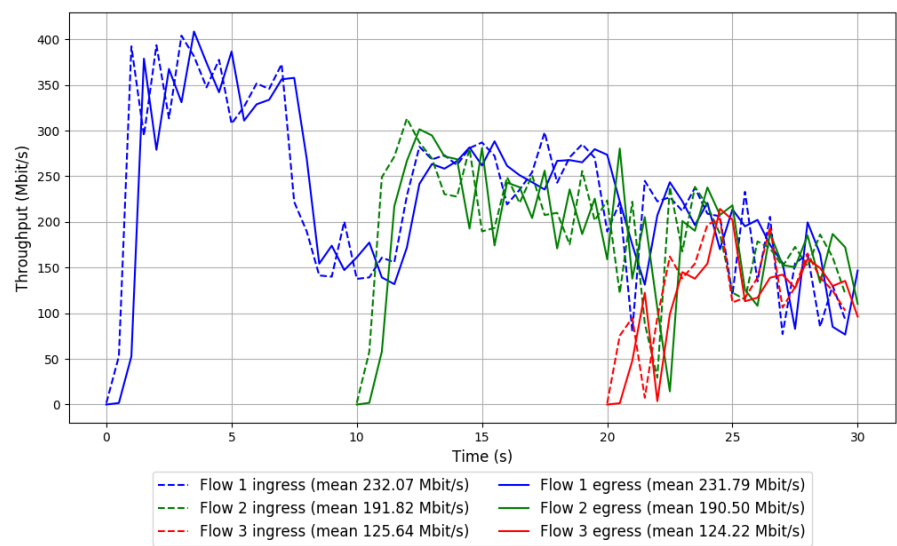
-- Flow 3:

Average throughput: 124.22 Mbit/s

95th percentile per-packet one-way delay: 102.452 ms

Loss rate: 0.86%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-03 11:54:07

End at: 2018-08-03 11:54:37

Local clock offset: 0.298 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-03 18:13:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 400.19 Mbit/s

95th percentile per-packet one-way delay: 134.005 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 209.89 Mbit/s

95th percentile per-packet one-way delay: 90.585 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 237.41 Mbit/s

95th percentile per-packet one-way delay: 175.171 ms

Loss rate: 3.16%

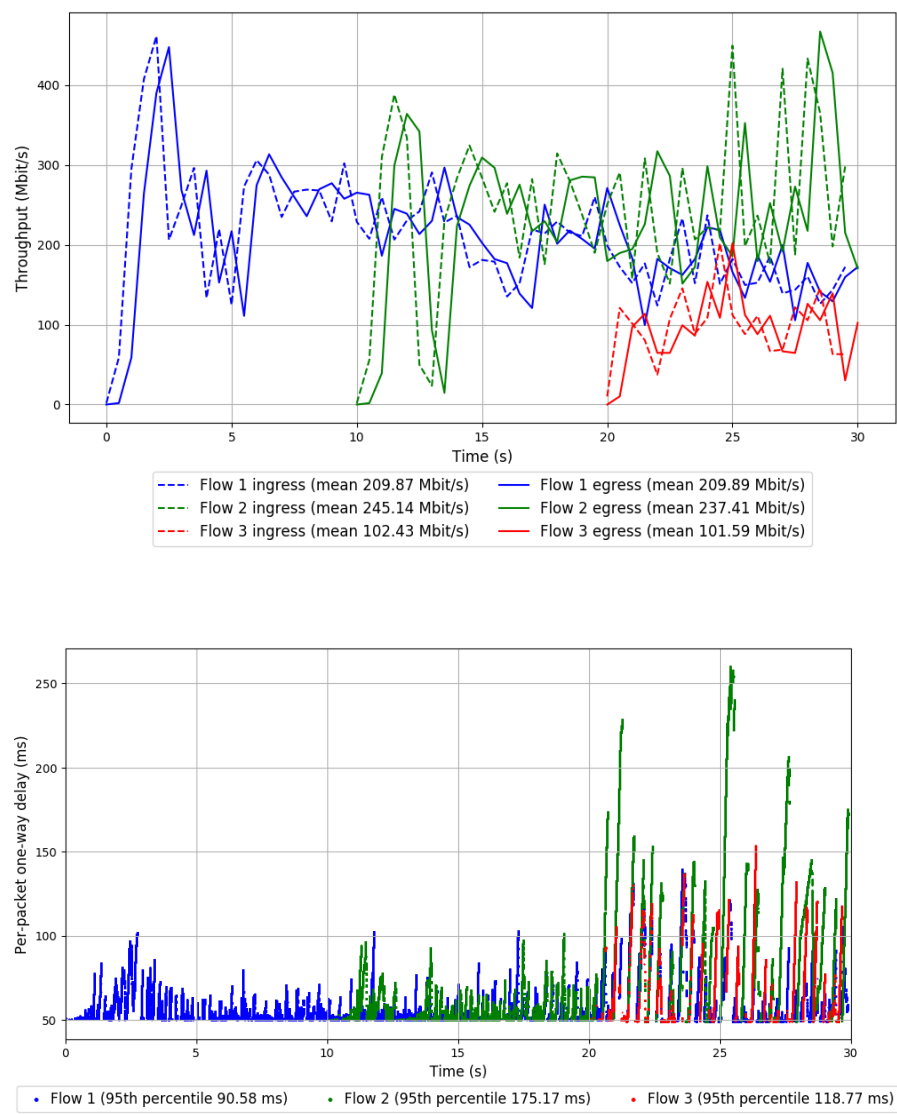
-- Flow 3:

Average throughput: 101.59 Mbit/s

95th percentile per-packet one-way delay: 118.773 ms

Loss rate: 0.12%

Run 4: Report of Verus — Data Link

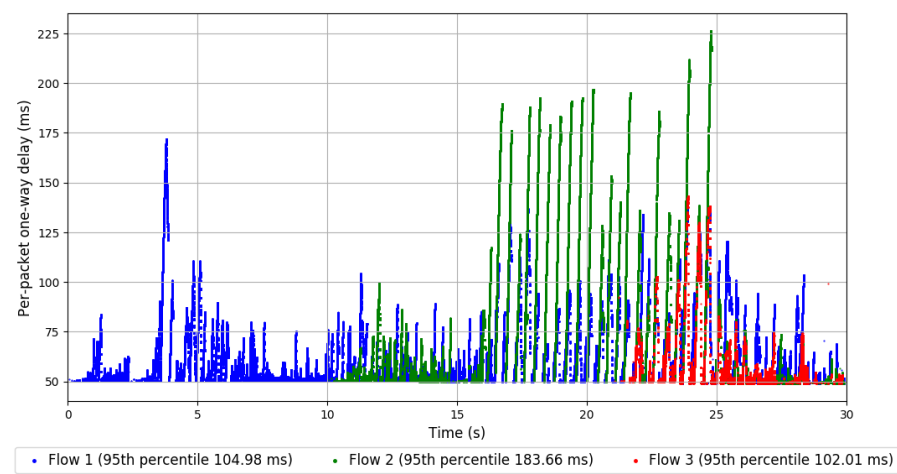
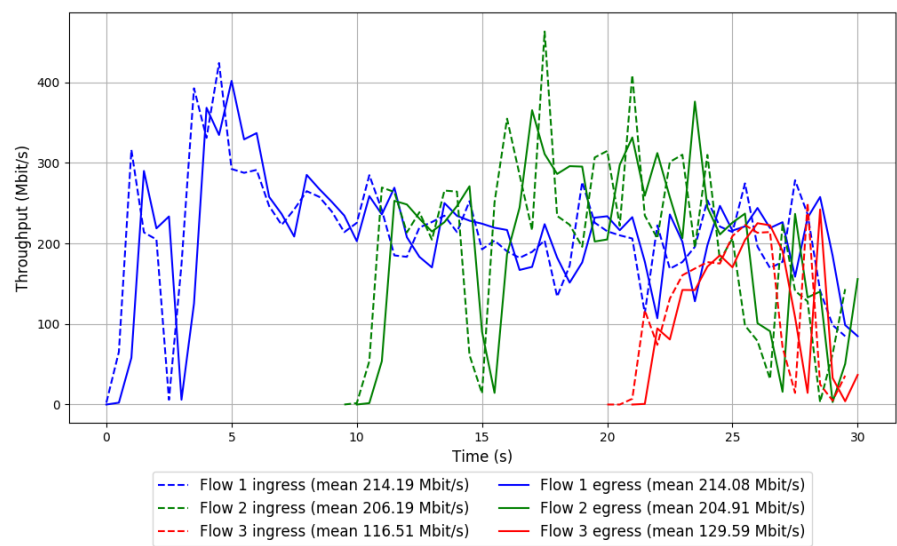


Run 5: Statistics of Verus

Start at: 2018-08-03 12:19:34
End at: 2018-08-03 12:20:04
Local clock offset: 0.358 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-03 18:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.36 Mbit/s
95th percentile per-packet one-way delay: 154.530 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 214.08 Mbit/s
95th percentile per-packet one-way delay: 104.978 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 204.91 Mbit/s
95th percentile per-packet one-way delay: 183.658 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 129.59 Mbit/s
95th percentile per-packet one-way delay: 102.009 ms
Loss rate: 0.14%

Run 5: Report of Verus — Data Link

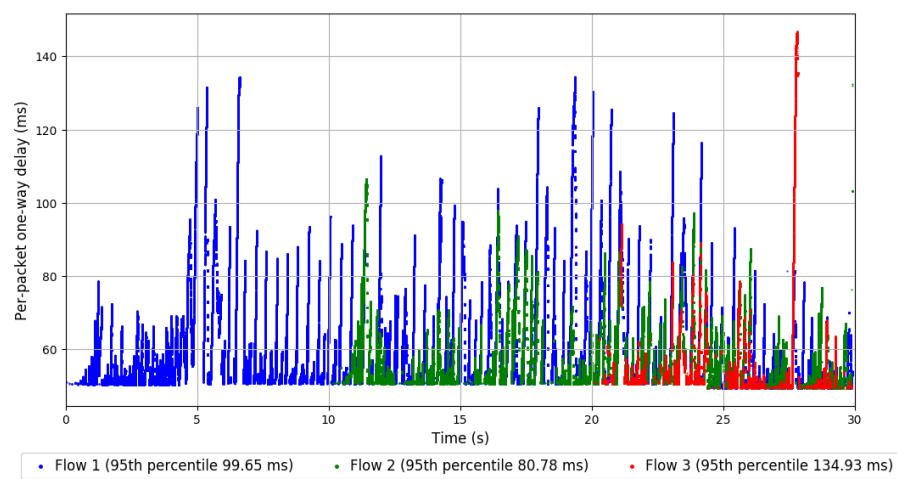
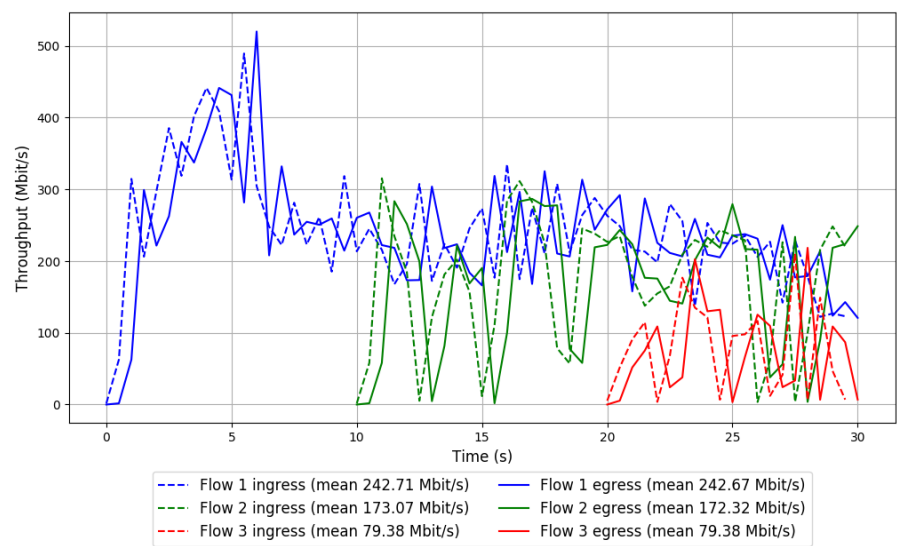


Run 6: Statistics of Verus

Start at: 2018-08-03 12:45:14
End at: 2018-08-03 12:45:44
Local clock offset: 0.015 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-03 18:14:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.12 Mbit/s
95th percentile per-packet one-way delay: 95.121 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 242.67 Mbit/s
95th percentile per-packet one-way delay: 99.651 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 172.32 Mbit/s
95th percentile per-packet one-way delay: 80.775 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 79.38 Mbit/s
95th percentile per-packet one-way delay: 134.930 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

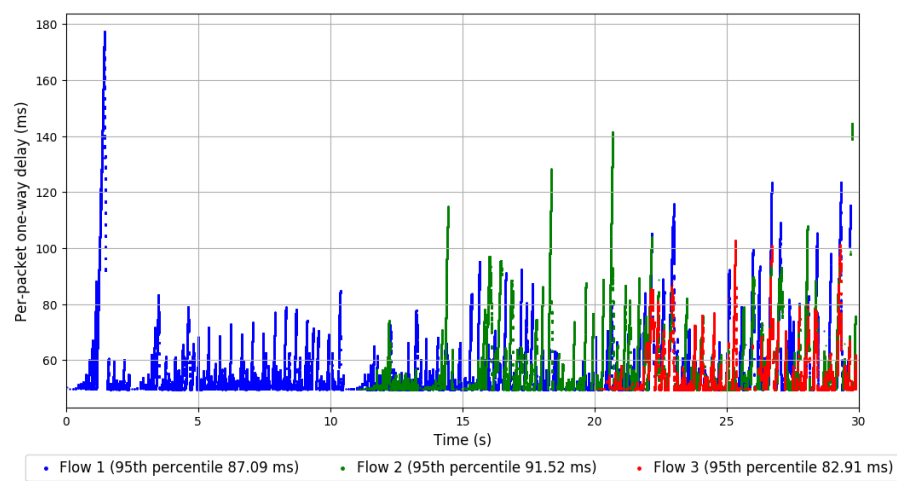
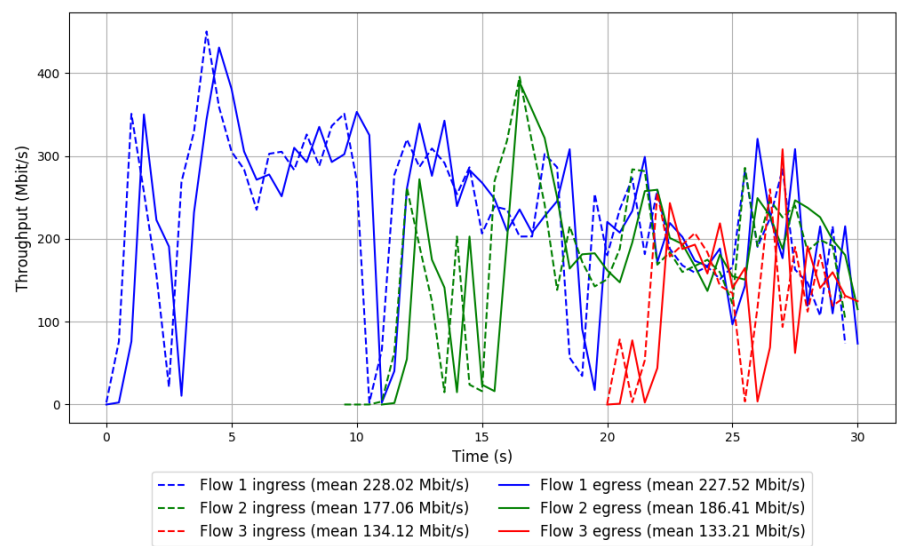


Run 7: Statistics of Verus

Start at: 2018-08-03 13:10:49
End at: 2018-08-03 13:11:19
Local clock offset: 0.079 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-03 18:14:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.55 Mbit/s
95th percentile per-packet one-way delay: 88.279 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 227.52 Mbit/s
95th percentile per-packet one-way delay: 87.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.41 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.21 Mbit/s
95th percentile per-packet one-way delay: 82.905 ms
Loss rate: 0.62%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-03 13:36:29

End at: 2018-08-03 13:36:59

Local clock offset: 0.437 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-03 18:15:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.91 Mbit/s

95th percentile per-packet one-way delay: 79.286 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 191.95 Mbit/s

95th percentile per-packet one-way delay: 82.978 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 213.74 Mbit/s

95th percentile per-packet one-way delay: 75.922 ms

Loss rate: 0.05%

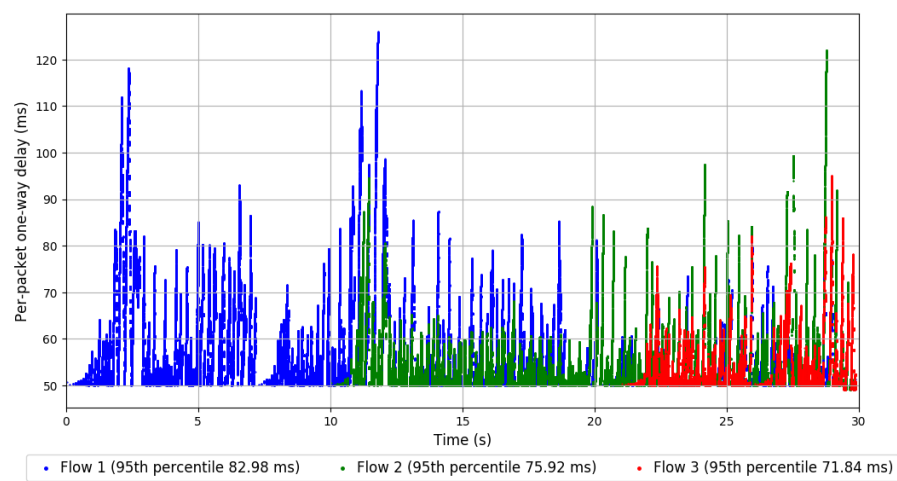
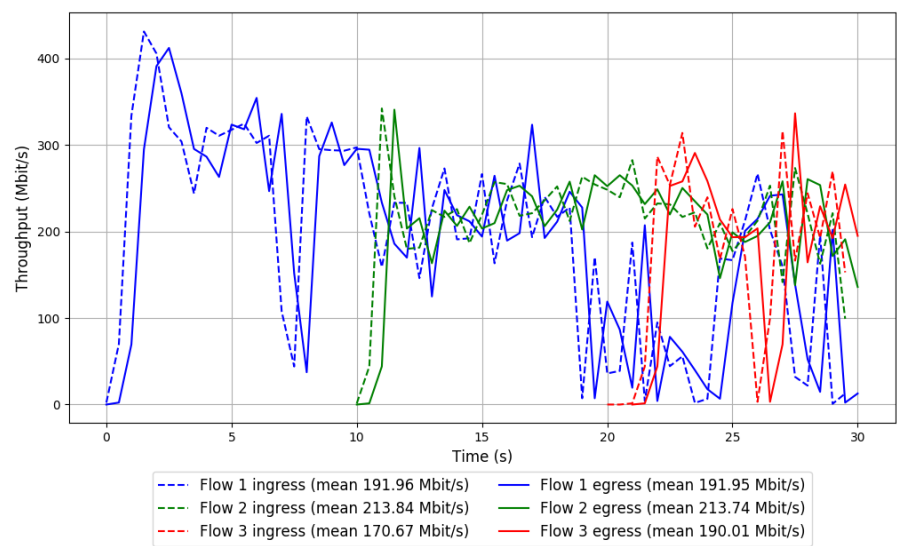
-- Flow 3:

Average throughput: 190.01 Mbit/s

95th percentile per-packet one-way delay: 71.837 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link

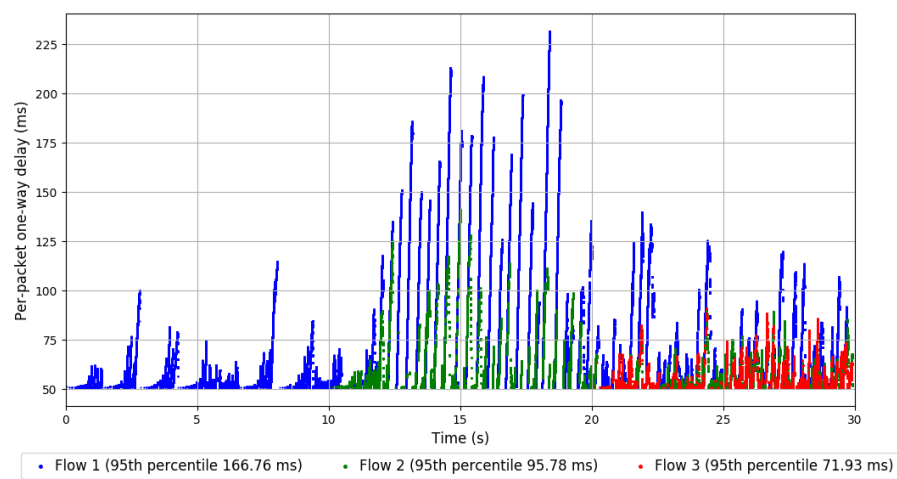
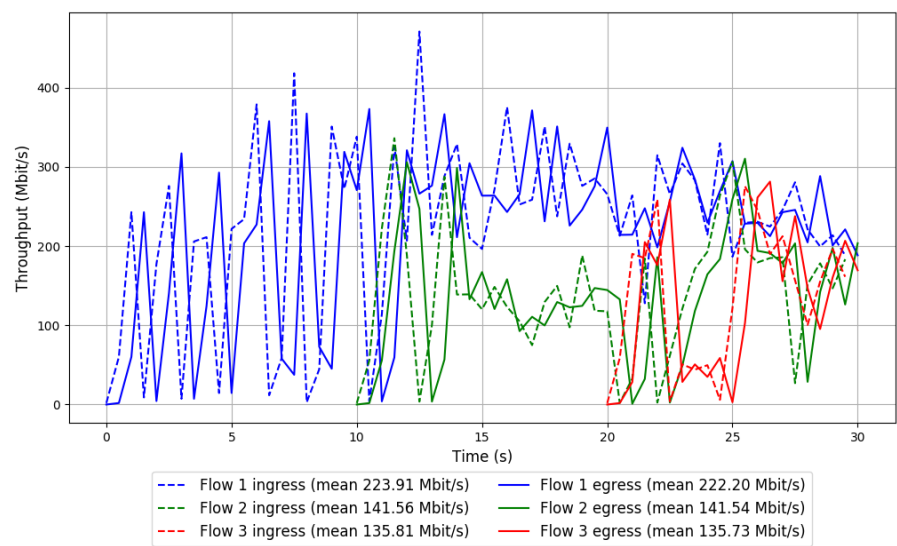


Run 9: Statistics of Verus

Start at: 2018-08-03 14:01:59
End at: 2018-08-03 14:02:29
Local clock offset: 0.047 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-03 18:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.46 Mbit/s
95th percentile per-packet one-way delay: 143.859 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 222.20 Mbit/s
95th percentile per-packet one-way delay: 166.758 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 141.54 Mbit/s
95th percentile per-packet one-way delay: 95.777 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 135.73 Mbit/s
95th percentile per-packet one-way delay: 71.934 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

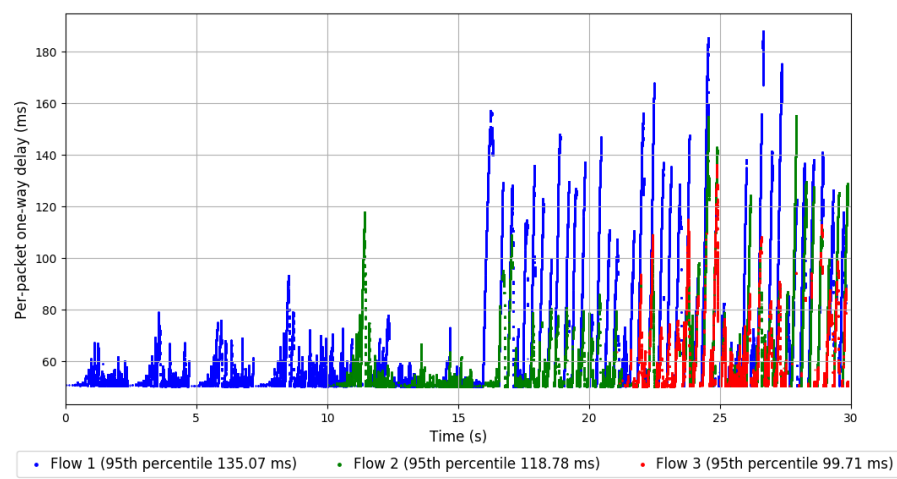
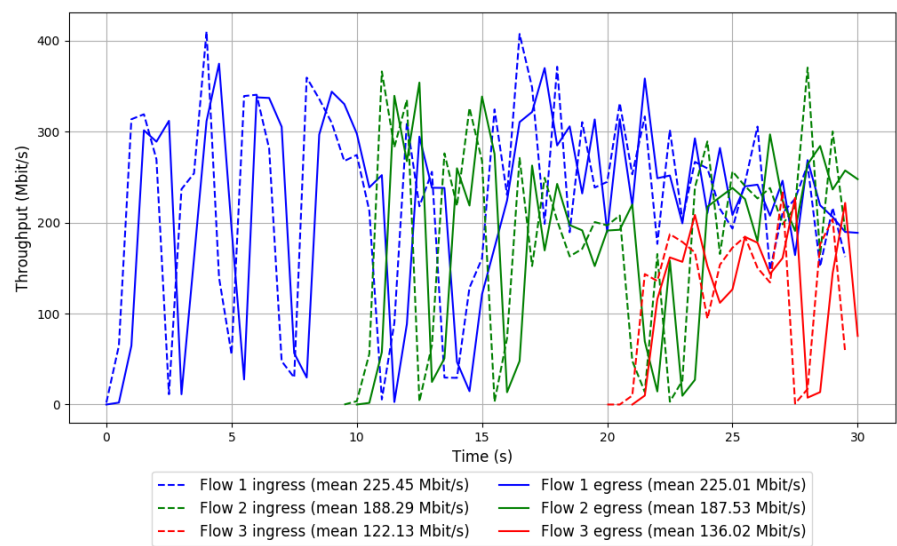


Run 10: Statistics of Verus

Start at: 2018-08-03 14:27:15
End at: 2018-08-03 14:27:45
Local clock offset: 0.038 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-03 18:18:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.42 Mbit/s
95th percentile per-packet one-way delay: 127.288 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 225.01 Mbit/s
95th percentile per-packet one-way delay: 135.070 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 187.53 Mbit/s
95th percentile per-packet one-way delay: 118.780 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 136.02 Mbit/s
95th percentile per-packet one-way delay: 99.710 ms
Loss rate: 0.07%

Run 10: Report of Verus — Data Link

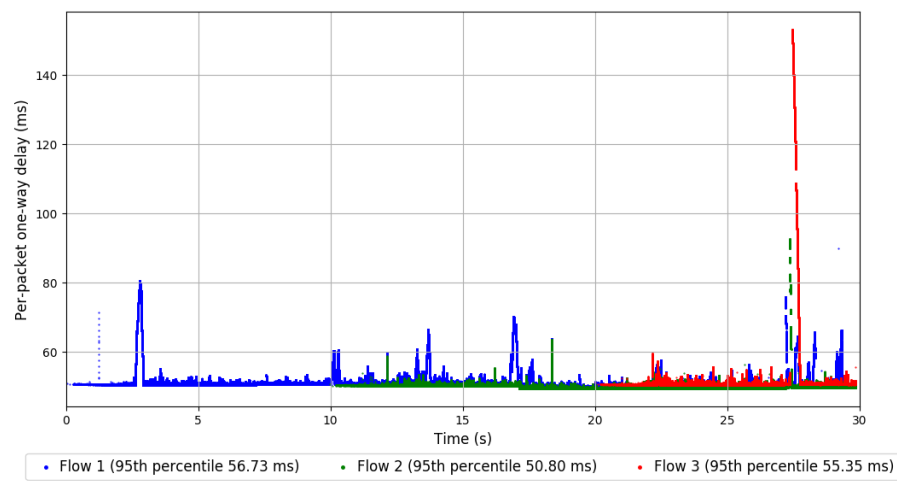
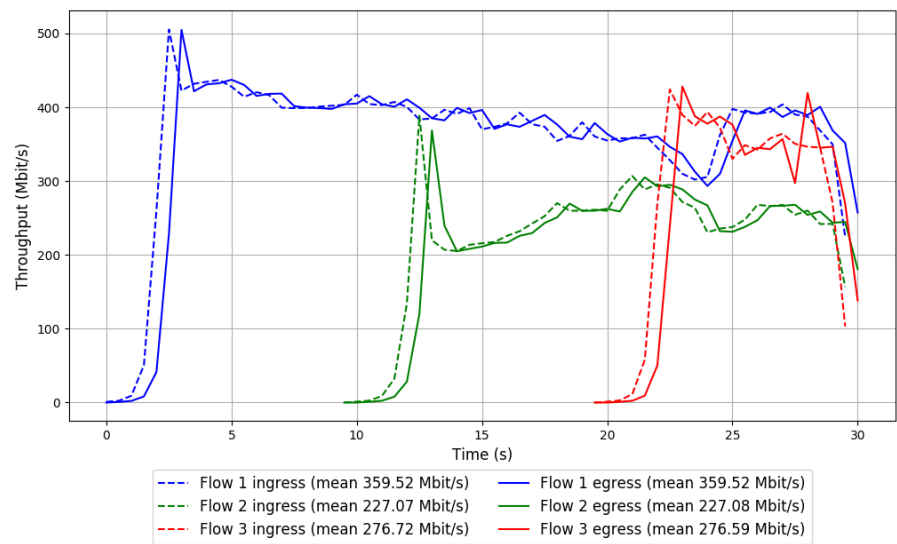


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-03 10:46:51
End at: 2018-08-03 10:47:21
Local clock offset: 0.075 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-03 18:25:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.32 Mbit/s
95th percentile per-packet one-way delay: 54.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 359.52 Mbit/s
95th percentile per-packet one-way delay: 56.735 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.08 Mbit/s
95th percentile per-packet one-way delay: 50.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 276.59 Mbit/s
95th percentile per-packet one-way delay: 55.353 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-03 11:12:25

End at: 2018-08-03 11:12:55

Local clock offset: 0.141 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-08-03 18:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 548.11 Mbit/s

95th percentile per-packet one-way delay: 53.882 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 329.33 Mbit/s

95th percentile per-packet one-way delay: 55.869 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 312.26 Mbit/s

95th percentile per-packet one-way delay: 52.503 ms

Loss rate: 0.00%

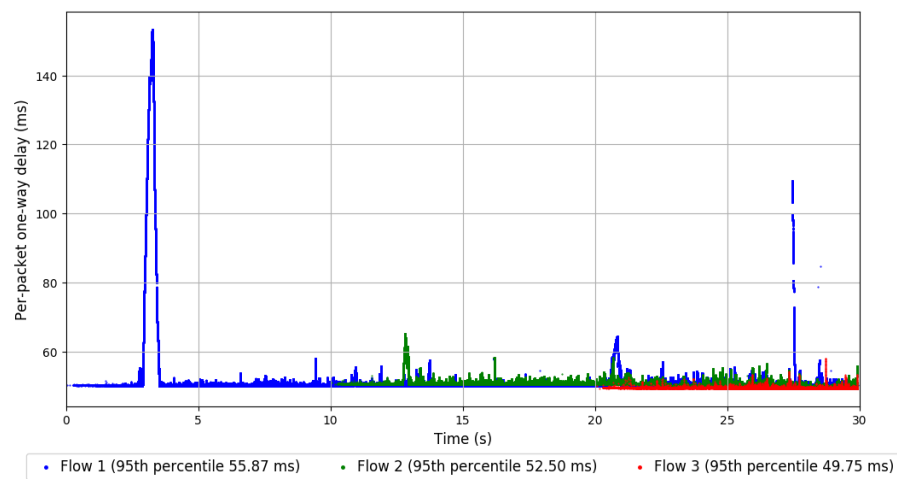
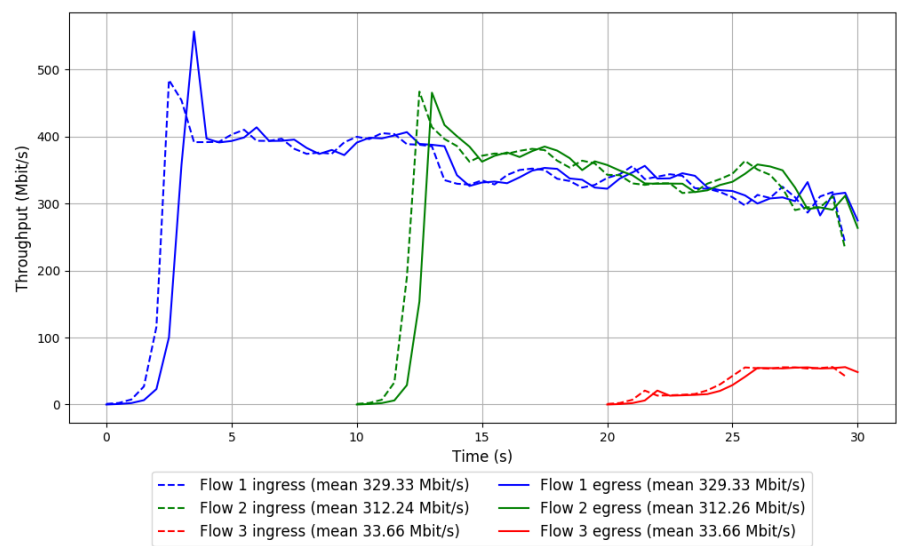
-- Flow 3:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 49.748 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-03 11:38:09

End at: 2018-08-03 11:38:39

Local clock offset: 0.382 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-08-03 18:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.72 Mbit/s

95th percentile per-packet one-way delay: 52.024 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 244.04 Mbit/s

95th percentile per-packet one-way delay: 52.698 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 269.36 Mbit/s

95th percentile per-packet one-way delay: 51.140 ms

Loss rate: 0.00%

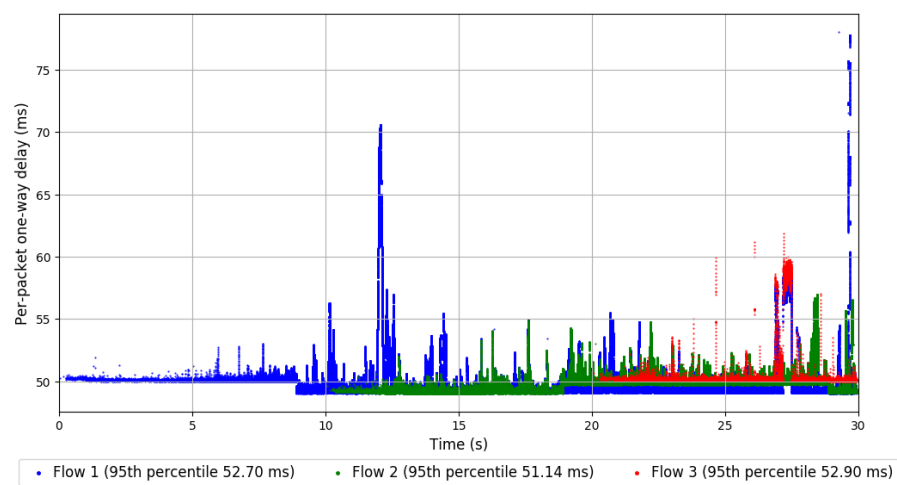
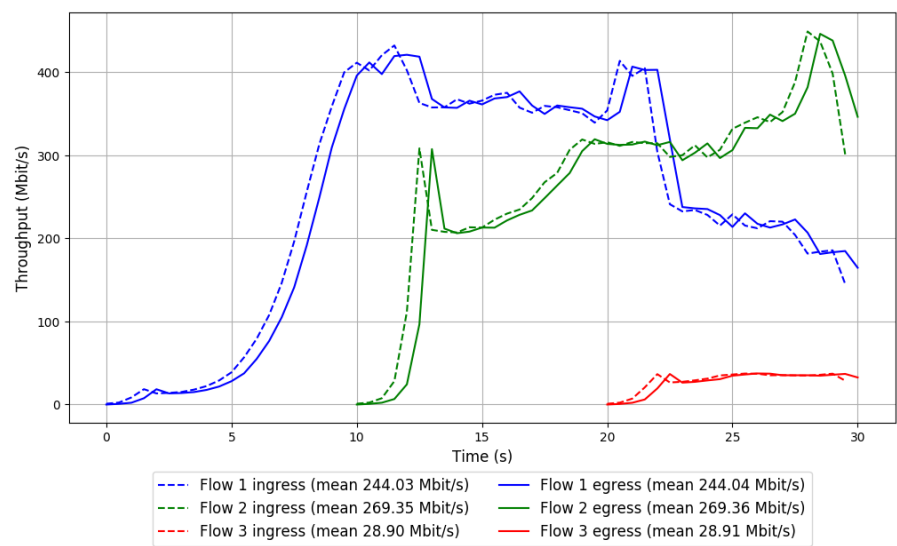
-- Flow 3:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 52.901 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-03 12:03:38

End at: 2018-08-03 12:04:08

Local clock offset: -0.043 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-08-03 18:25:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.11 Mbit/s

95th percentile per-packet one-way delay: 52.718 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 273.02 Mbit/s

95th percentile per-packet one-way delay: 51.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 278.66 Mbit/s

95th percentile per-packet one-way delay: 75.114 ms

Loss rate: 0.00%

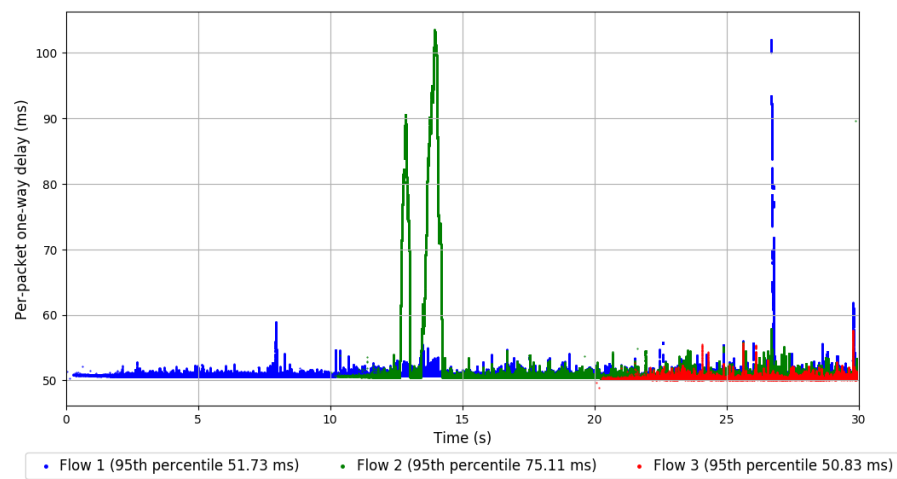
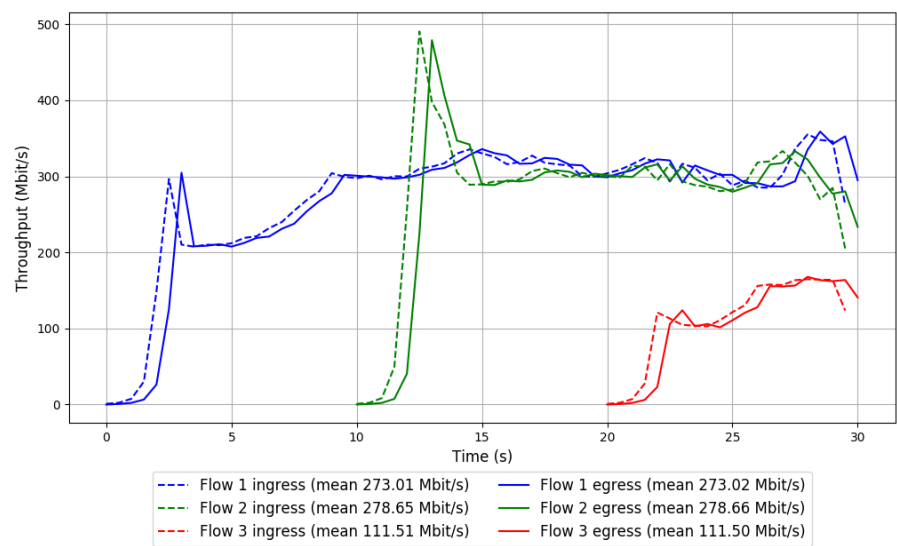
-- Flow 3:

Average throughput: 111.50 Mbit/s

95th percentile per-packet one-way delay: 50.827 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

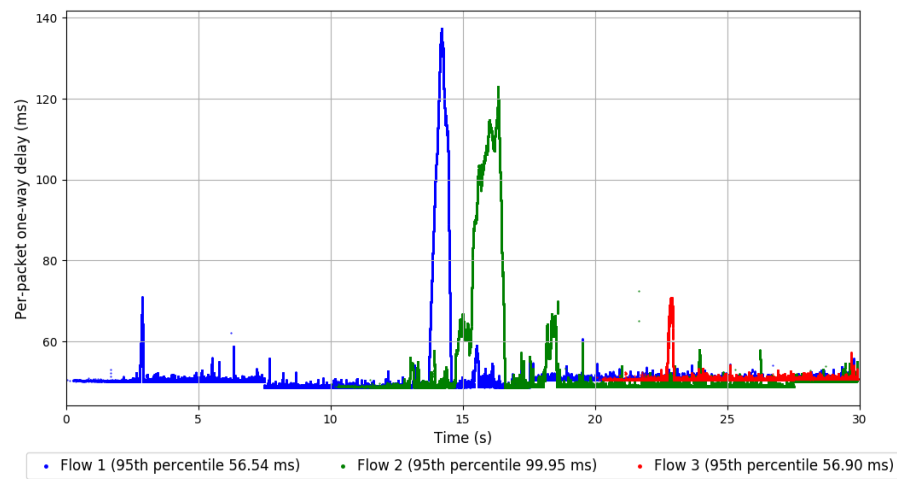
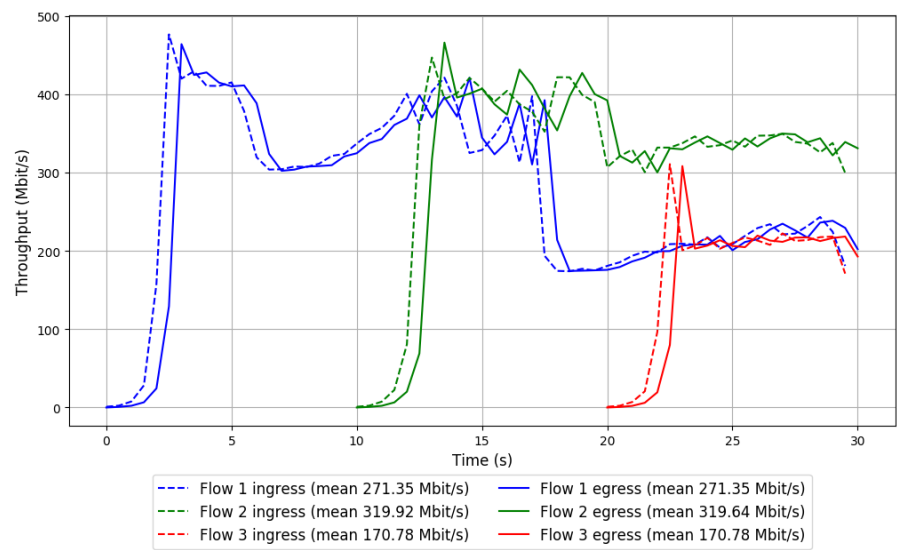


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-03 12:29:00
End at: 2018-08-03 12:29:31
Local clock offset: 0.028 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-03 18:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.28 Mbit/s
95th percentile per-packet one-way delay: 69.044 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 271.35 Mbit/s
95th percentile per-packet one-way delay: 56.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 319.64 Mbit/s
95th percentile per-packet one-way delay: 99.946 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 170.78 Mbit/s
95th percentile per-packet one-way delay: 56.901 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

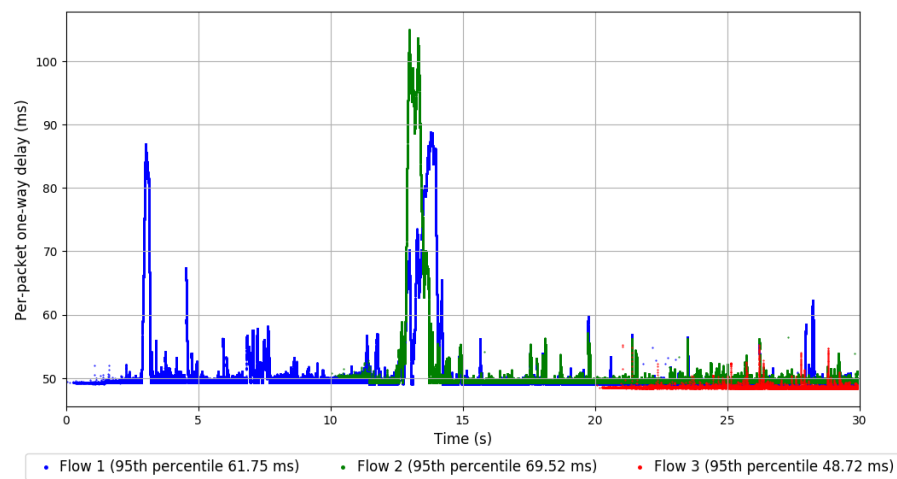
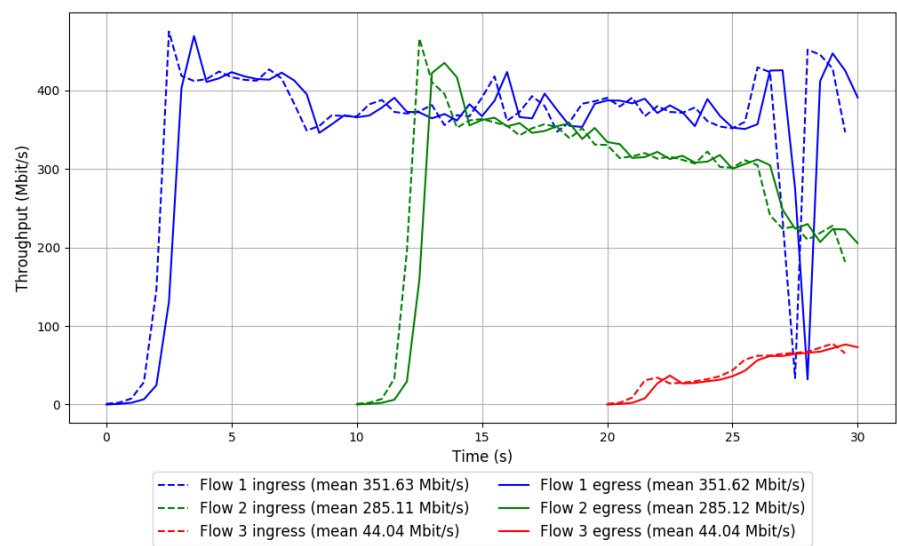


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-03 12:54:37
End at: 2018-08-03 12:55:07
Local clock offset: 0.402 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-03 18:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.79 Mbit/s
95th percentile per-packet one-way delay: 64.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.62 Mbit/s
95th percentile per-packet one-way delay: 61.753 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 285.12 Mbit/s
95th percentile per-packet one-way delay: 69.519 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 48.722 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-03 13:20:19

End at: 2018-08-03 13:20:49

Local clock offset: -0.246 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-03 18:28:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 554.23 Mbit/s

95th percentile per-packet one-way delay: 121.456 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 357.99 Mbit/s

95th percentile per-packet one-way delay: 128.724 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 272.61 Mbit/s

95th percentile per-packet one-way delay: 52.036 ms

Loss rate: 0.00%

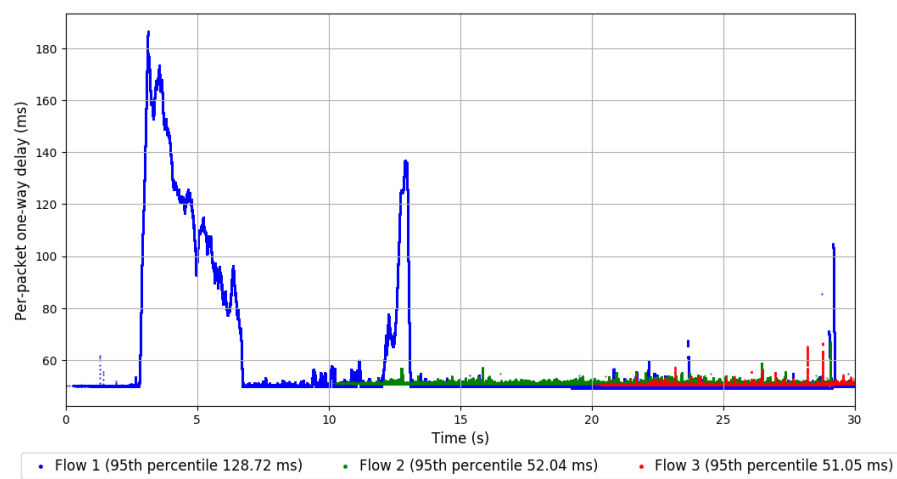
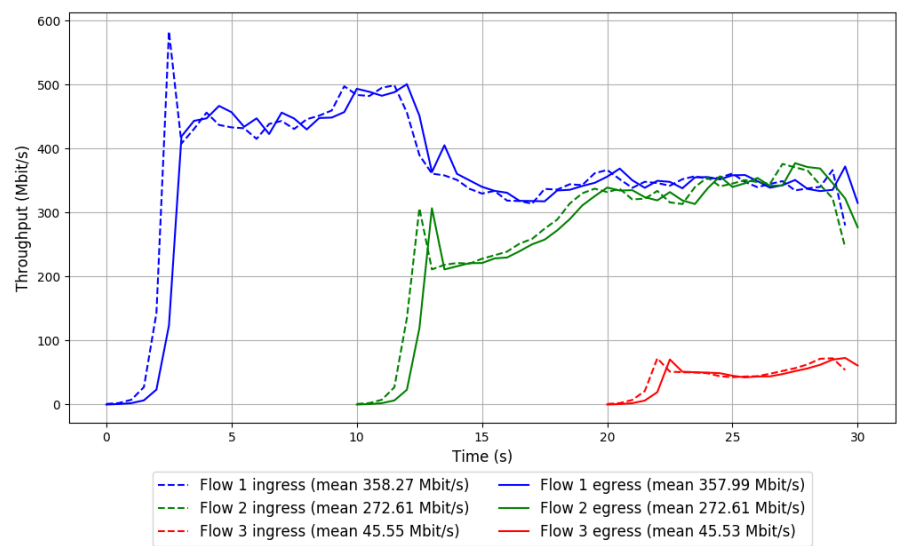
-- Flow 3:

Average throughput: 45.53 Mbit/s

95th percentile per-packet one-way delay: 51.045 ms

Loss rate: 0.03%

Run 7: Report of PCC-Vivace — Data Link

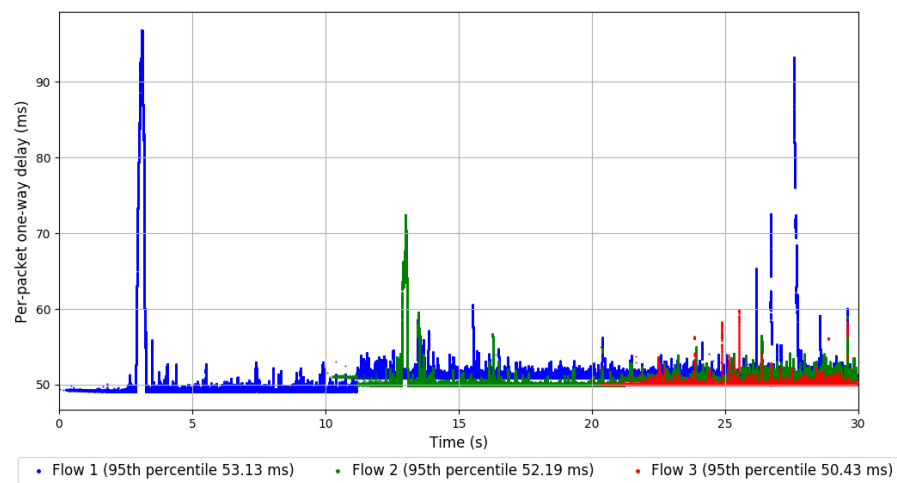
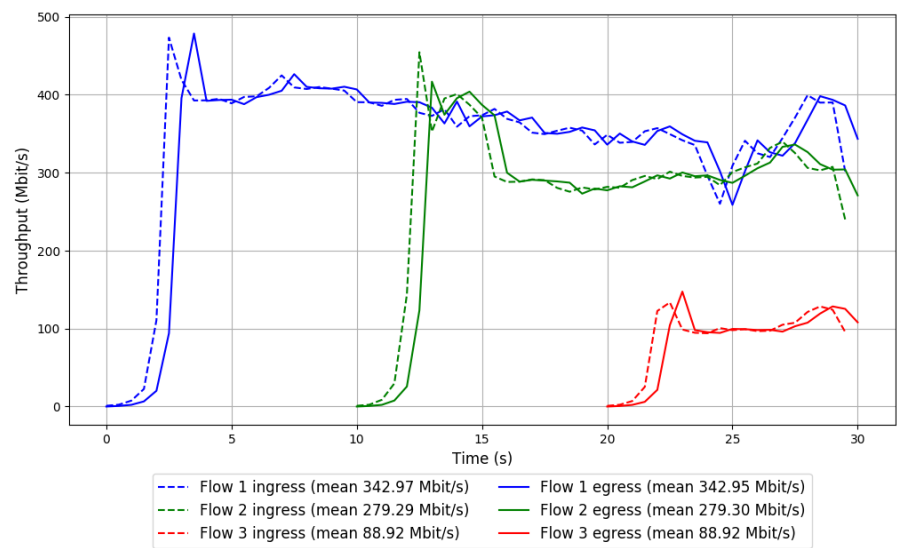


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-03 13:45:57
End at: 2018-08-03 13:46:27
Local clock offset: -0.265 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-03 18:28:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 558.00 Mbit/s
95th percentile per-packet one-way delay: 52.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 342.95 Mbit/s
95th percentile per-packet one-way delay: 53.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 279.30 Mbit/s
95th percentile per-packet one-way delay: 52.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 50.431 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

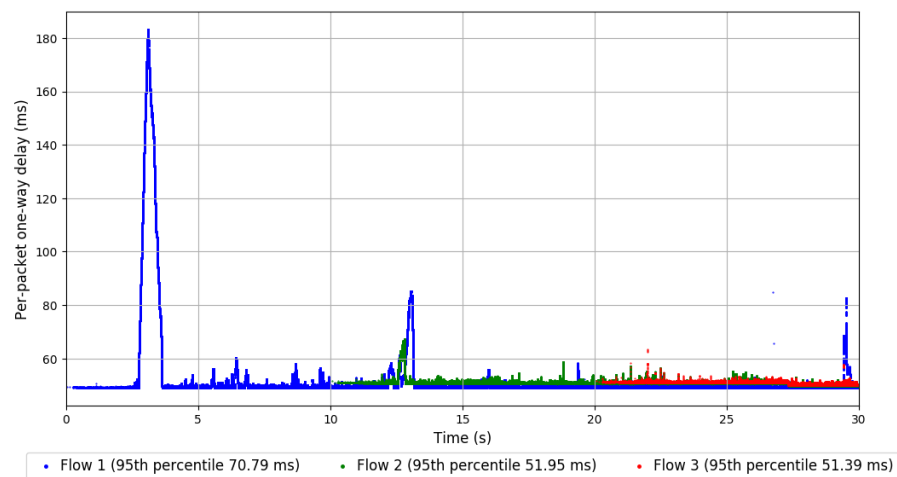
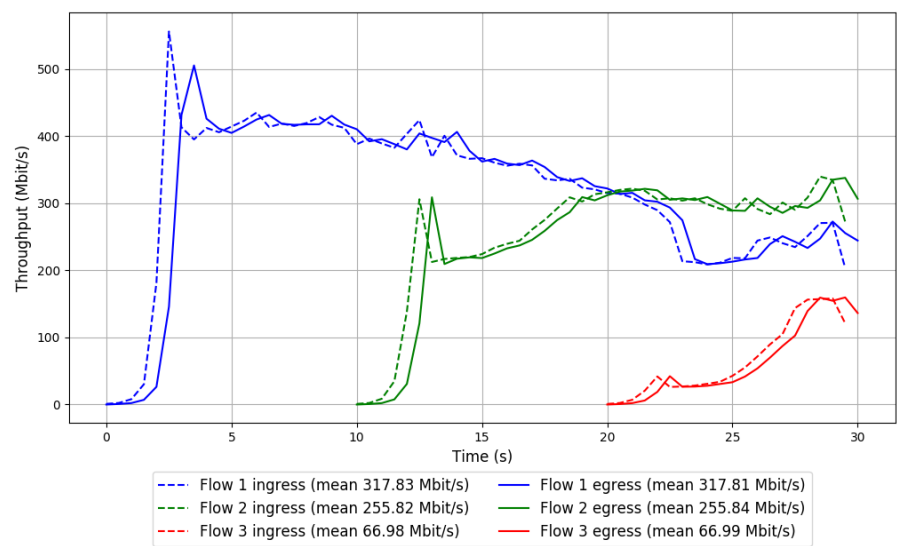


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-03 14:11:21
End at: 2018-08-03 14:11:51
Local clock offset: -0.295 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-03 18:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 509.99 Mbit/s
95th percentile per-packet one-way delay: 56.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 317.81 Mbit/s
95th percentile per-packet one-way delay: 70.794 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 255.84 Mbit/s
95th percentile per-packet one-way delay: 51.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-03 14:36:40

End at: 2018-08-03 14:37:10

Local clock offset: 0.084 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-08-03 18:28:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.47 Mbit/s

95th percentile per-packet one-way delay: 51.999 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 282.75 Mbit/s

95th percentile per-packet one-way delay: 52.056 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 219.37 Mbit/s

95th percentile per-packet one-way delay: 52.127 ms

Loss rate: 0.00%

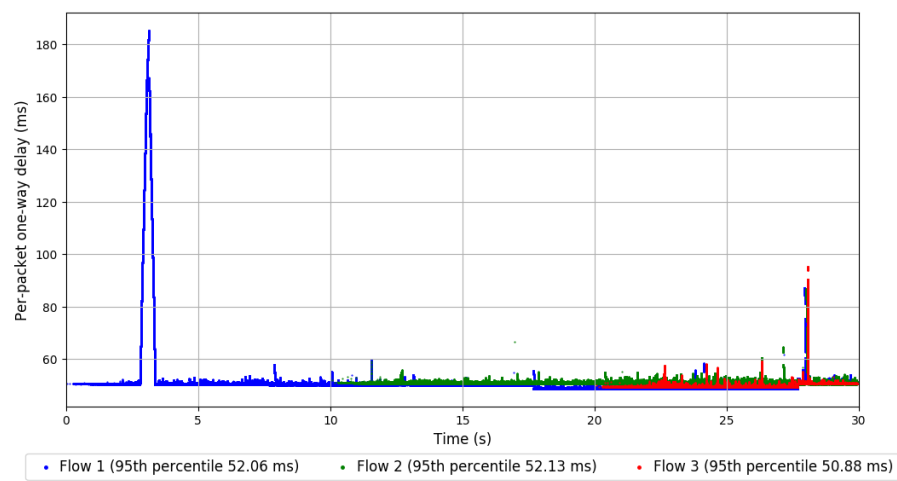
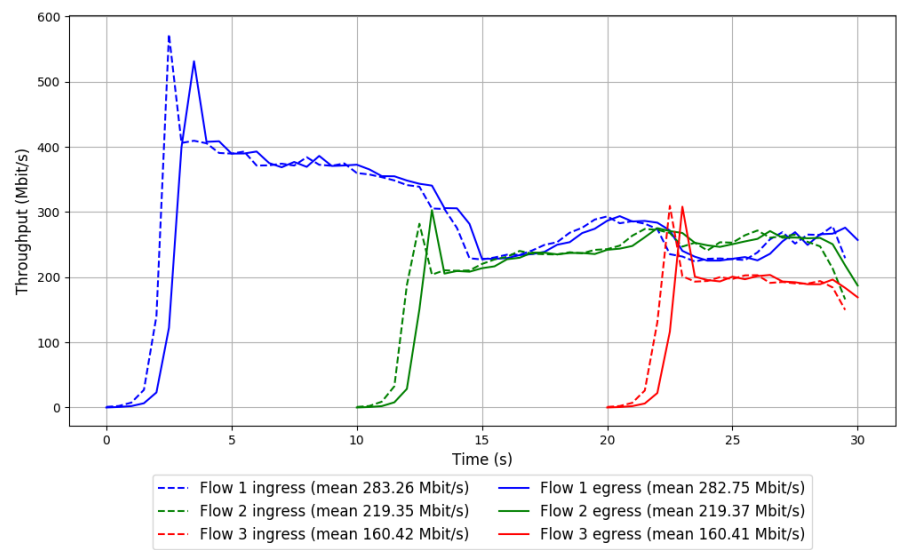
-- Flow 3:

Average throughput: 160.41 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

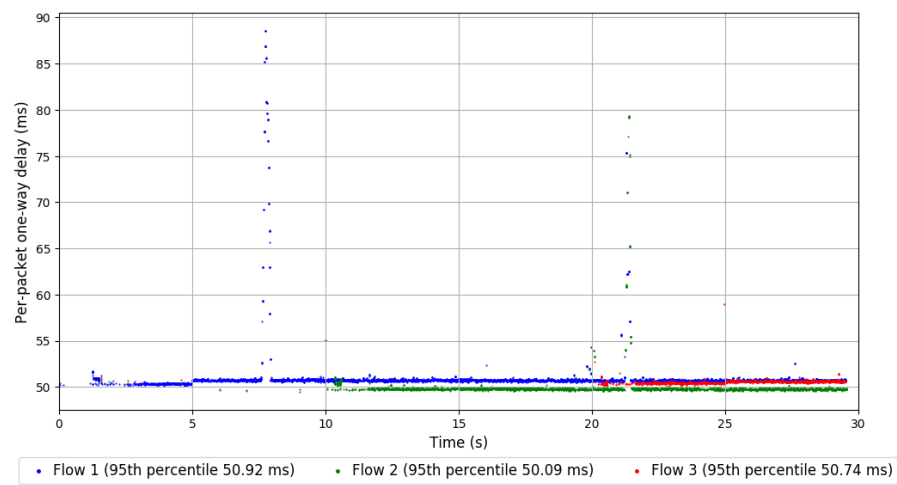
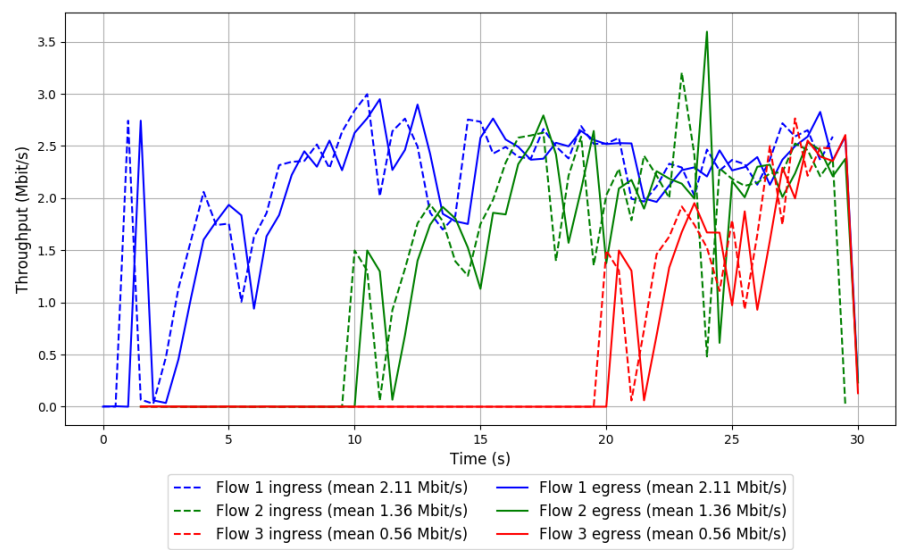


Run 1: Statistics of WebRTC media

Start at: 2018-08-03 10:45:43
End at: 2018-08-03 10:46:13
Local clock offset: 0.081 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 50.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 50.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

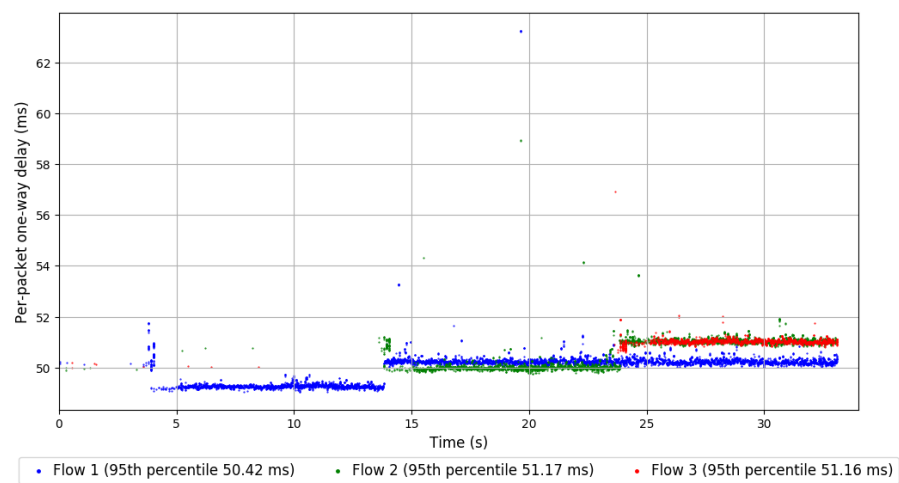
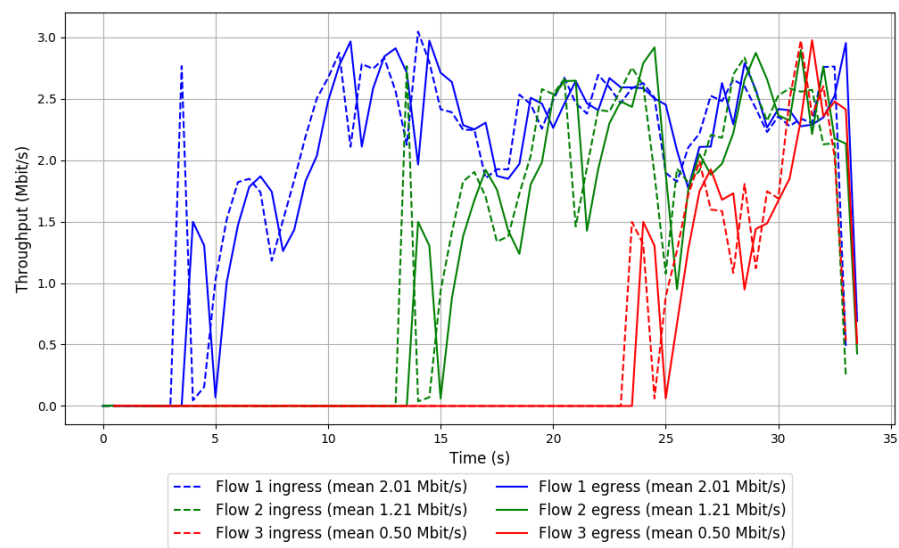


Run 2: Statistics of WebRTC media

Start at: 2018-08-03 11:11:17
End at: 2018-08-03 11:11:47
Local clock offset: -0.198 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 51.119 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 51.175 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 51.161 ms
Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-03 11:37:01

End at: 2018-08-03 11:37:31

Local clock offset: -0.003 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-08-03 18:28:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 50.761 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.060 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 50.764 ms

Loss rate: 0.00%

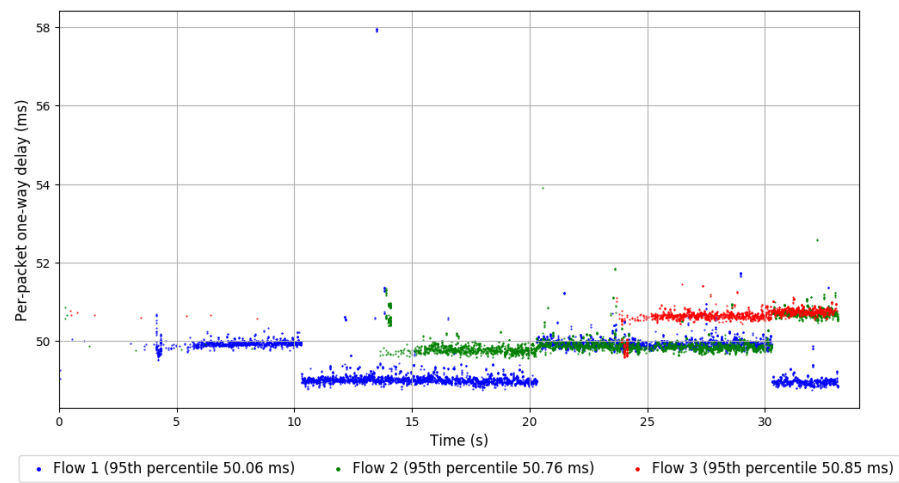
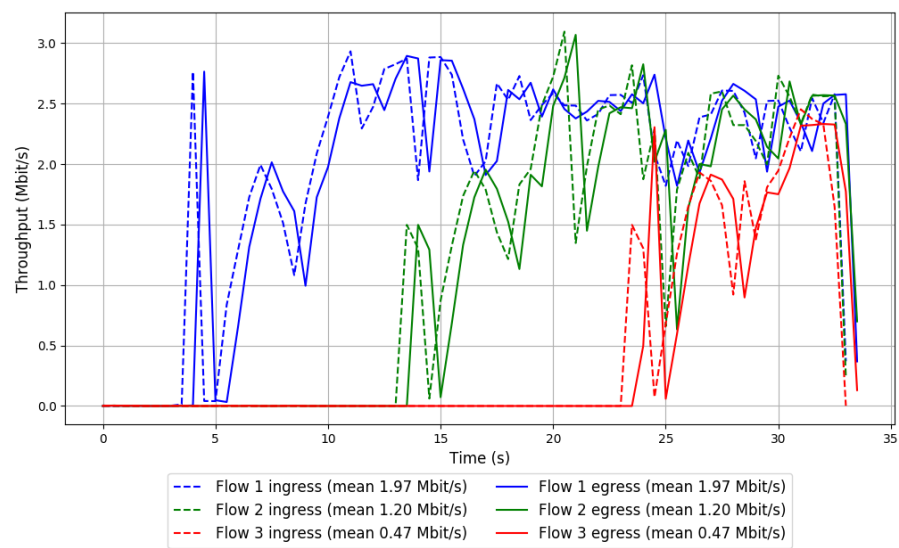
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 50.855 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-03 12:02:30

End at: 2018-08-03 12:03:00

Local clock offset: -0.417 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-08-03 18:28:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 51.295 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 51.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 51.156 ms

Loss rate: 0.00%

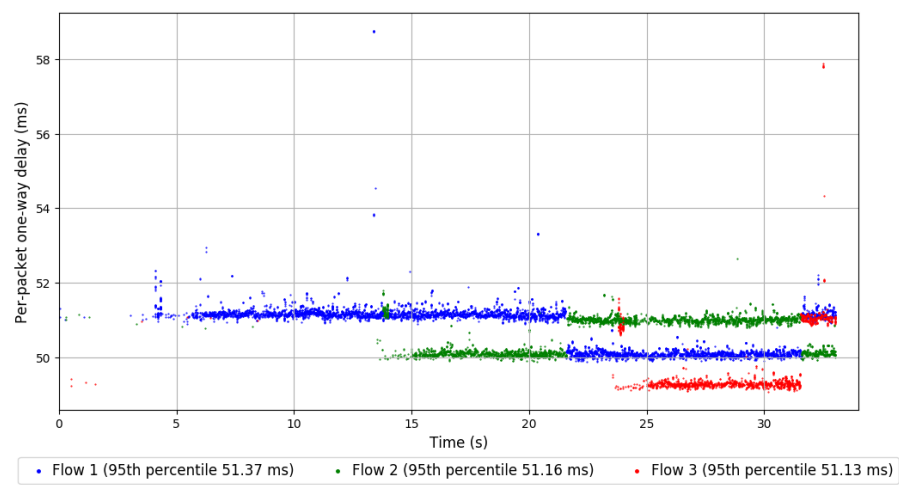
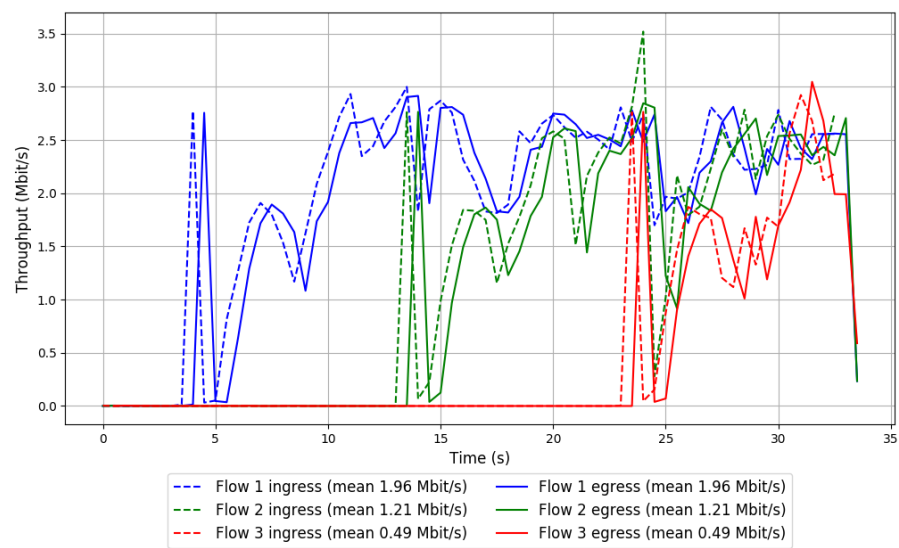
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 51.131 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

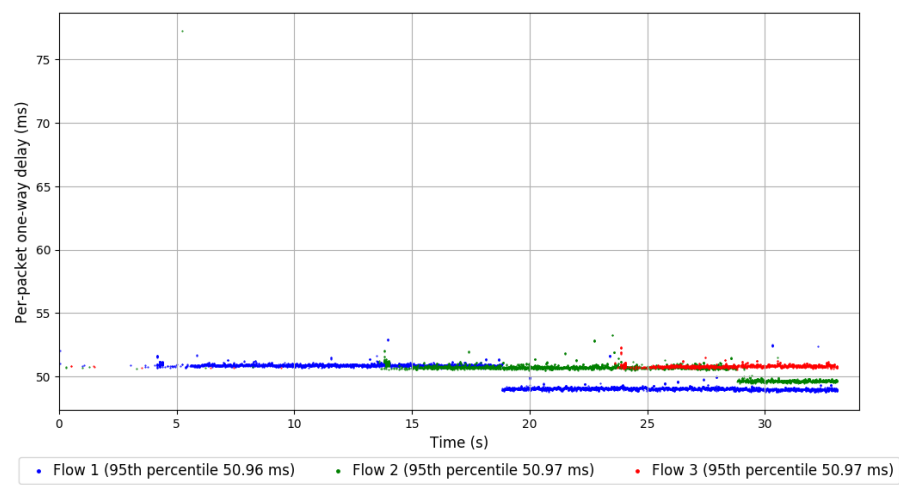
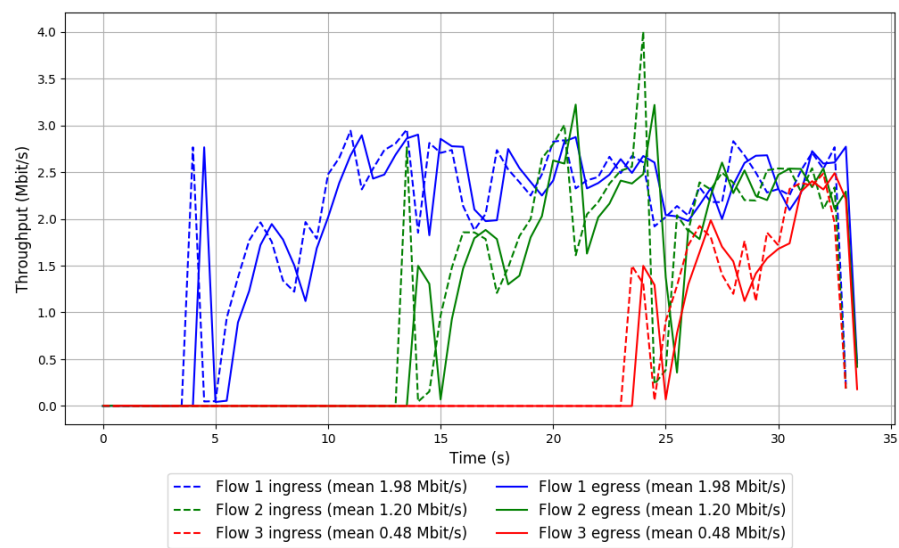


Run 5: Statistics of WebRTC media

Start at: 2018-08-03 12:27:52
End at: 2018-08-03 12:28:22
Local clock offset: -0.047 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 50.971 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

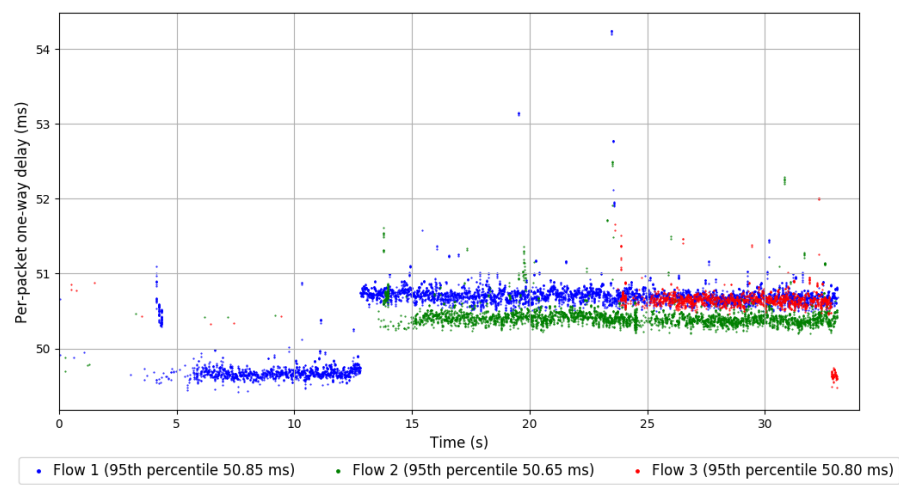
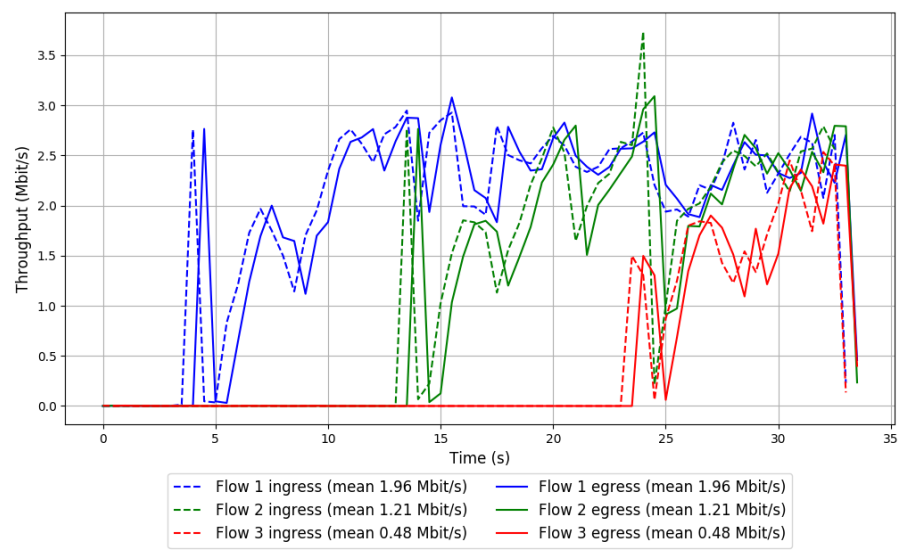


Run 6: Statistics of WebRTC media

Start at: 2018-08-03 12:53:28
End at: 2018-08-03 12:53:58
Local clock offset: 0.042 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 50.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.848 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 50.650 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 50.804 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

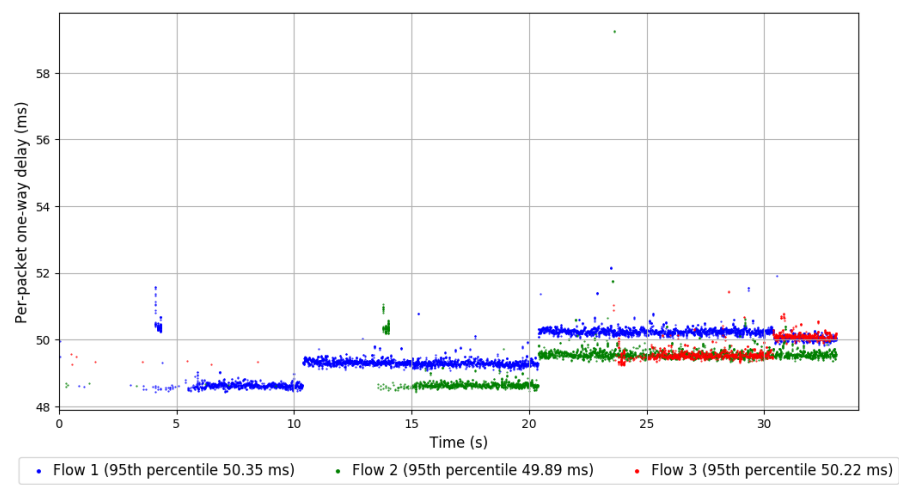
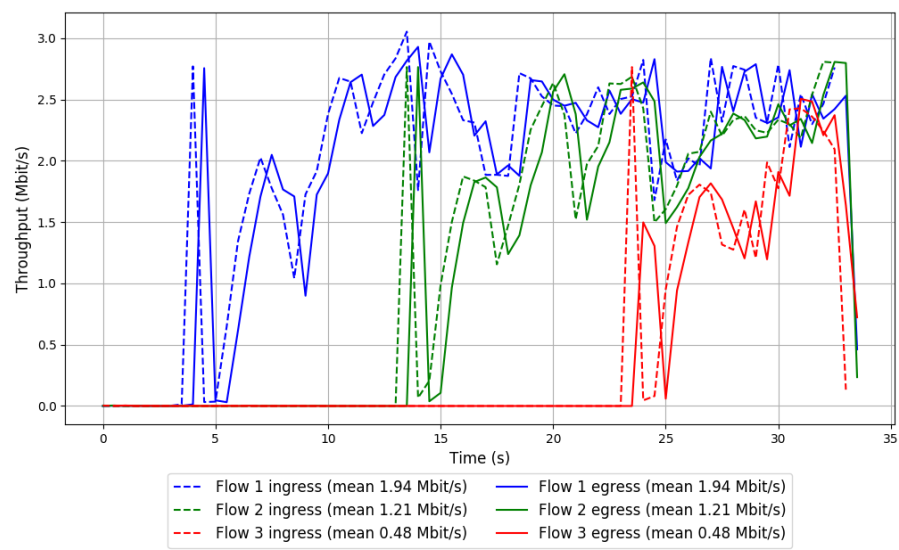


Run 7: Statistics of WebRTC media

Start at: 2018-08-03 13:19:11
End at: 2018-08-03 13:19:41
Local clock offset: 0.444 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 50.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 49.892 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 50.215 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

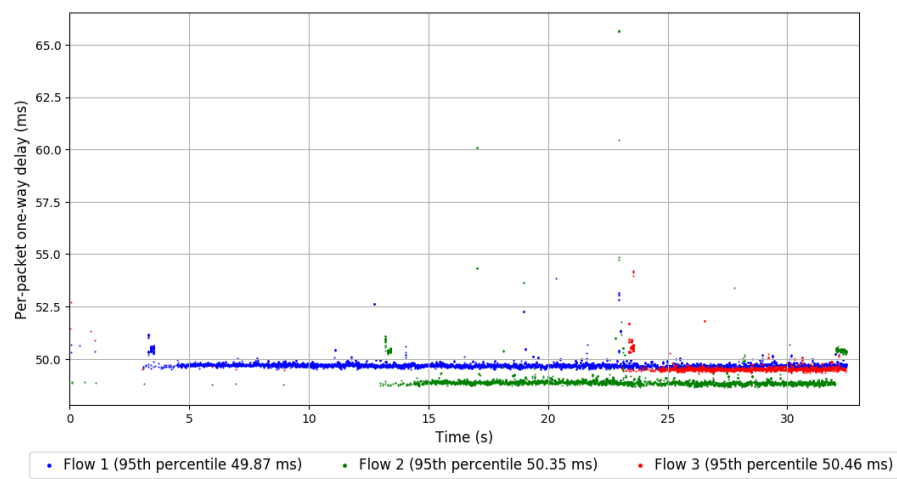
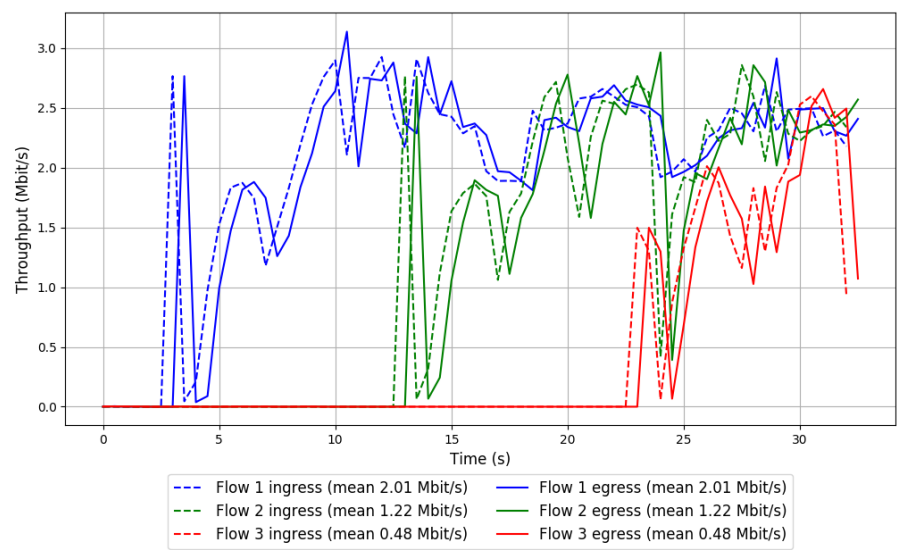


Run 8: Statistics of WebRTC media

Start at: 2018-08-03 13:44:49
End at: 2018-08-03 13:45:19
Local clock offset: 0.186 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 49.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 49.873 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 50.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 50.458 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

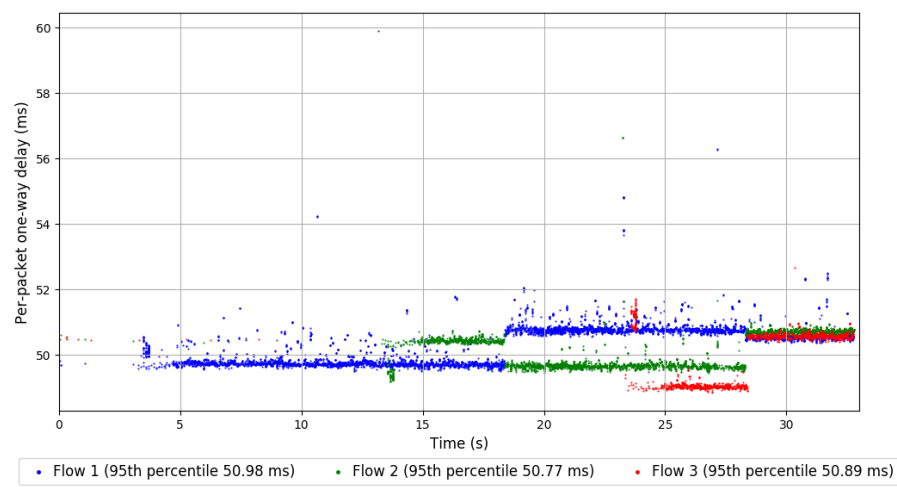
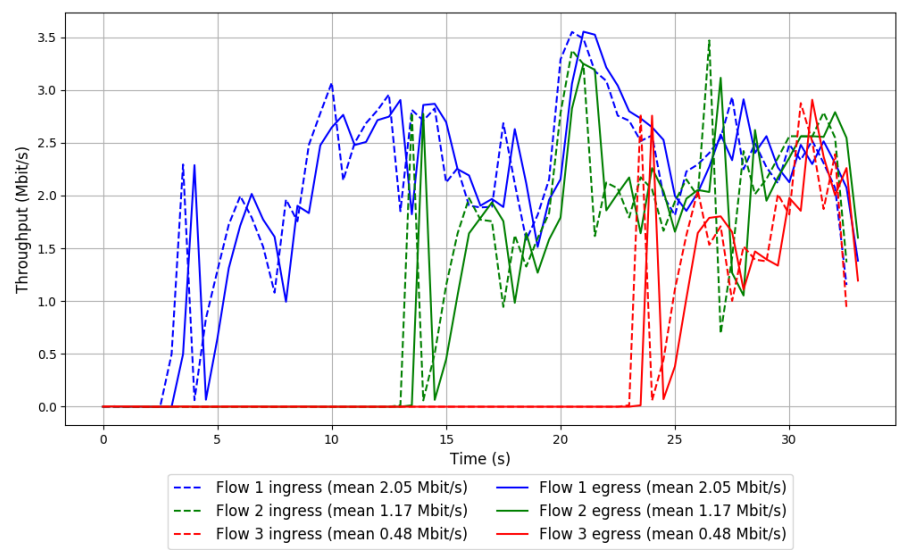


Run 9: Statistics of WebRTC media

Start at: 2018-08-03 14:10:13
End at: 2018-08-03 14:10:43
Local clock offset: -0.023 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 50.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.975 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 50.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 50.894 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-03 14:35:32
End at: 2018-08-03 14:36:02
Local clock offset: 0.06 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-03 18:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 50.802 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 50.834 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 50.550 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 50.552 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

