

Pantheon Report

Generated at 2018-07-20 14:10:01 (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.

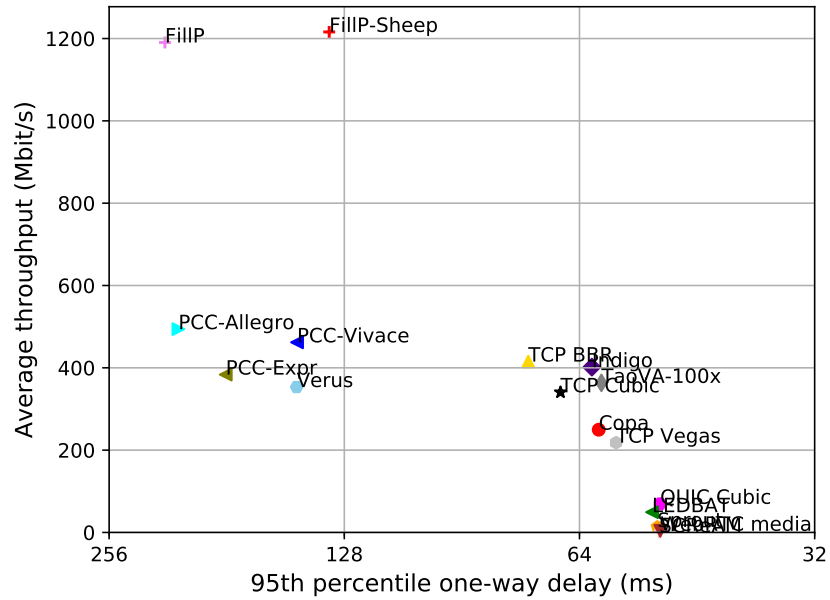
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

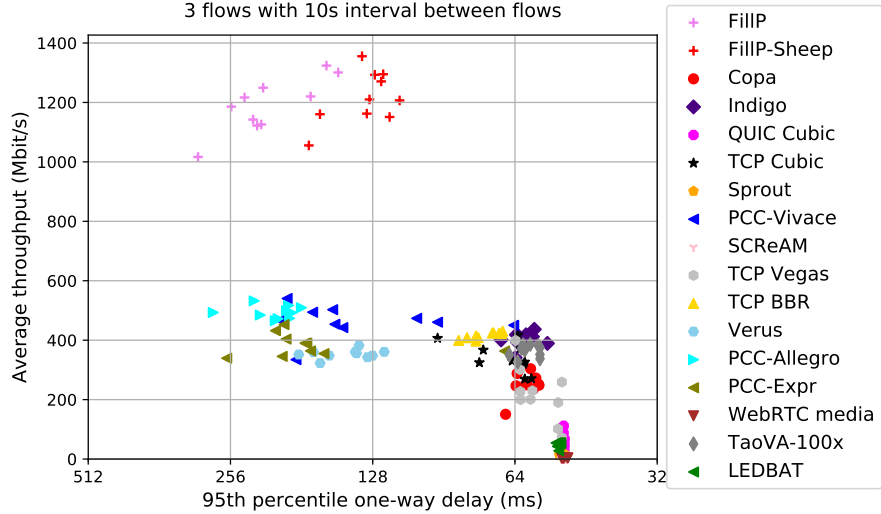
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE 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	212.46	206.93	195.05	72.70	74.37	76.86	0.00	0.00	0.00
Copa	10	133.94	129.51	104.97	58.77	61.72	59.52	0.01	0.00	0.01
TCP Cubic	10	218.56	134.16	98.36	66.14	67.03	66.70	0.00	0.05	0.09
FillP	10	639.93	572.46	511.41	203.07	214.17	228.77	5.35	5.13	5.11
FillP-Sheep	10	656.42	578.81	525.69	130.57	134.69	140.62	0.76	0.67	1.17
Indigo	10	213.43	207.20	156.38	60.43	63.65	65.13	0.00	0.01	0.04
LEDBAT	10	31.66	21.07	10.86	51.78	51.49	51.11	0.00	0.00	0.00
PCC-Allegro	10	448.39	50.21	37.44	209.82	188.50	179.31	3.54	4.00	4.57
PCC-Expr	10	233.86	189.24	71.98	185.26	139.17	115.44	1.45	1.71	1.46
QUIC Cubic	10	35.09	39.70	24.63	50.28	50.10	49.89	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	50.32	50.51	50.31	0.00	0.00	0.00
Sprout	10	6.96	6.55	6.25	50.90	50.84	50.76	0.00	0.00	0.00
TaoVA-100x	10	193.77	181.06	147.40	56.08	61.11	65.92	0.01	0.00	0.01
TCP Vegas	10	112.42	102.58	112.39	55.84	55.05	57.14	0.00	0.01	0.05
Verus	10	203.43	162.07	129.18	143.77	165.23	145.76	1.46	0.76	0.32
PCC-Vivace	10	254.79	237.77	148.56	118.61	155.03	79.17	0.41	0.48	0.15
WebRTC media	10	2.11	1.37	0.56	49.95	50.32	50.51	0.00	0.00	0.04

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 07:07:27

End at: 2018-07-20 07:07:57

Local clock offset: -0.515 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-20 11:41:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.28 Mbit/s

95th percentile per-packet one-way delay: 71.432 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 216.39 Mbit/s

95th percentile per-packet one-way delay: 69.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 211.07 Mbit/s

95th percentile per-packet one-way delay: 71.966 ms

Loss rate: 0.00%

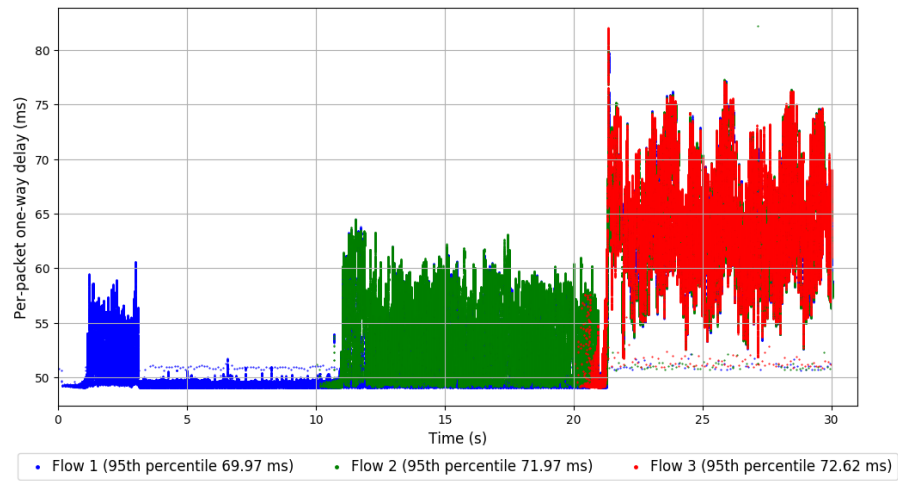
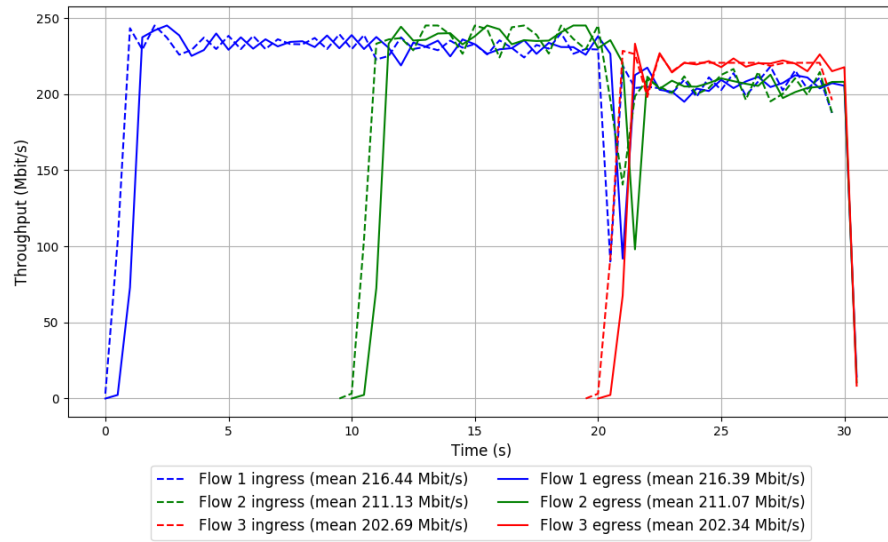
-- Flow 3:

Average throughput: 202.34 Mbit/s

95th percentile per-packet one-way delay: 72.618 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-20 07:32:11

End at: 2018-07-20 07:32:41

Local clock offset: -0.479 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-20 11:41:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.29 Mbit/s

95th percentile per-packet one-way delay: 84.197 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 210.57 Mbit/s

95th percentile per-packet one-way delay: 81.709 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 195.22 Mbit/s

95th percentile per-packet one-way delay: 83.972 ms

Loss rate: 0.00%

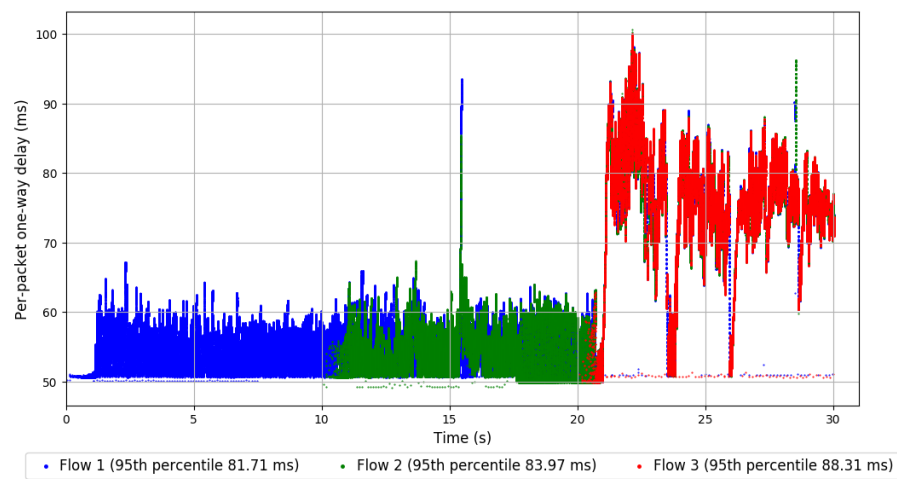
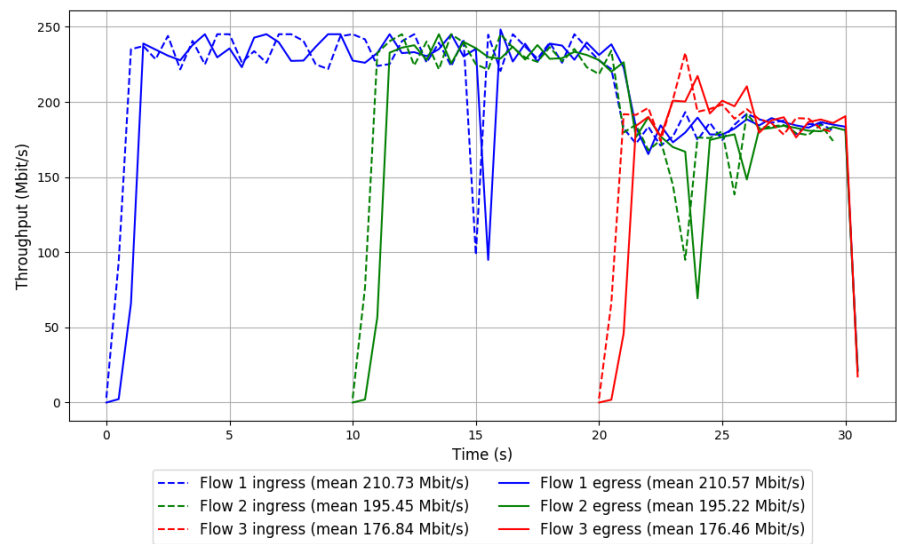
-- Flow 3:

Average throughput: 176.46 Mbit/s

95th percentile per-packet one-way delay: 88.305 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

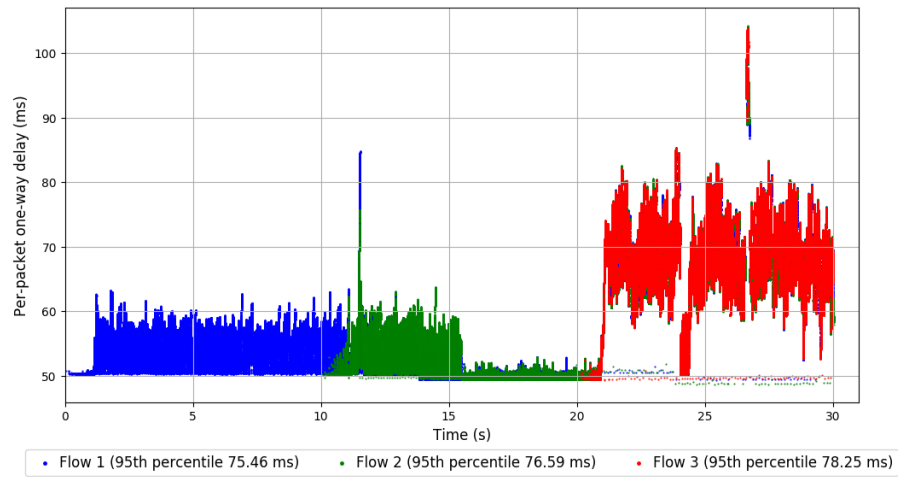
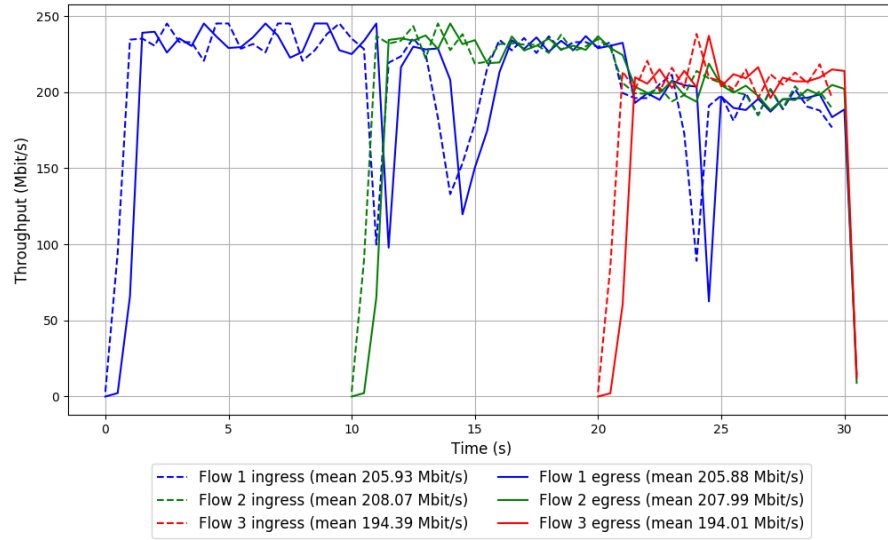


Run 3: Statistics of TCP BBR

Start at: 2018-07-20 07:57:24
End at: 2018-07-20 07:57:54
Local clock offset: -0.068 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-20 11:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.89 Mbit/s
95th percentile per-packet one-way delay: 76.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.88 Mbit/s
95th percentile per-packet one-way delay: 75.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 207.99 Mbit/s
95th percentile per-packet one-way delay: 76.592 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 194.01 Mbit/s
95th percentile per-packet one-way delay: 78.246 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

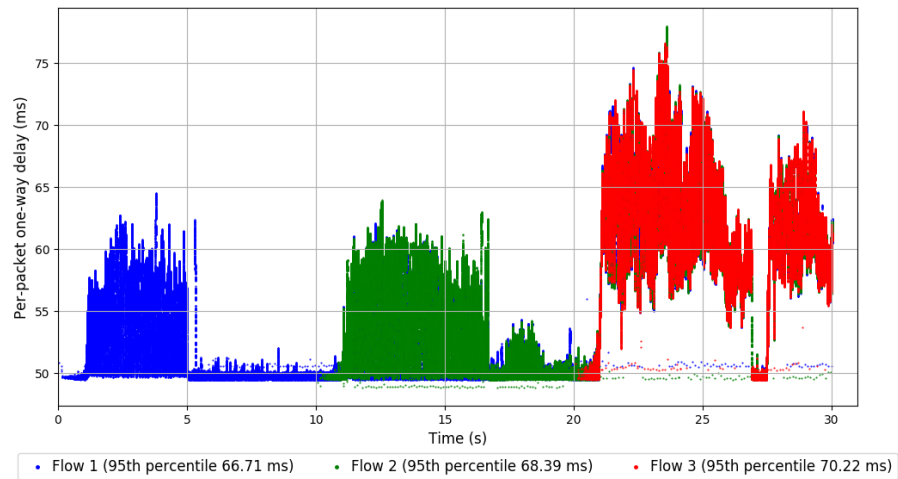
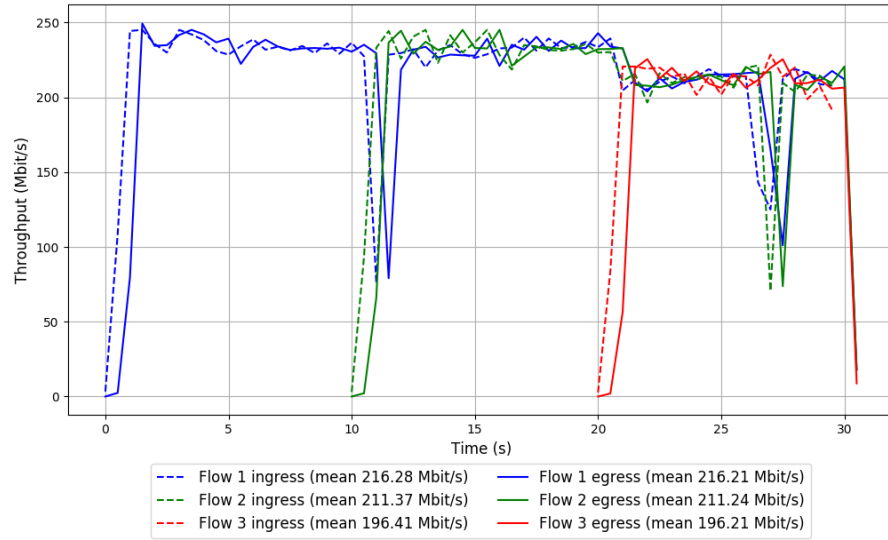


Run 4: Statistics of TCP BBR

Start at: 2018-07-20 08:22:19
End at: 2018-07-20 08:22:49
Local clock offset: -0.157 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-20 11:41:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.13 Mbit/s
95th percentile per-packet one-way delay: 68.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.21 Mbit/s
95th percentile per-packet one-way delay: 66.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.24 Mbit/s
95th percentile per-packet one-way delay: 68.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 196.21 Mbit/s
95th percentile per-packet one-way delay: 70.224 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

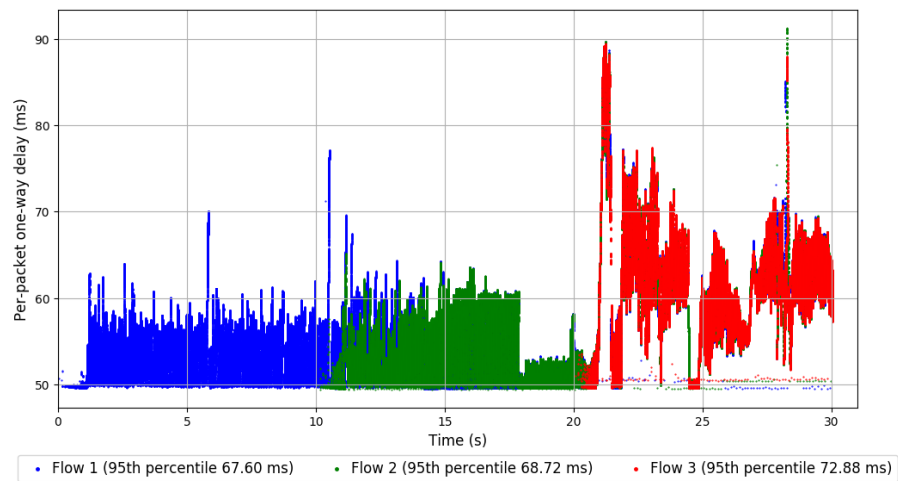
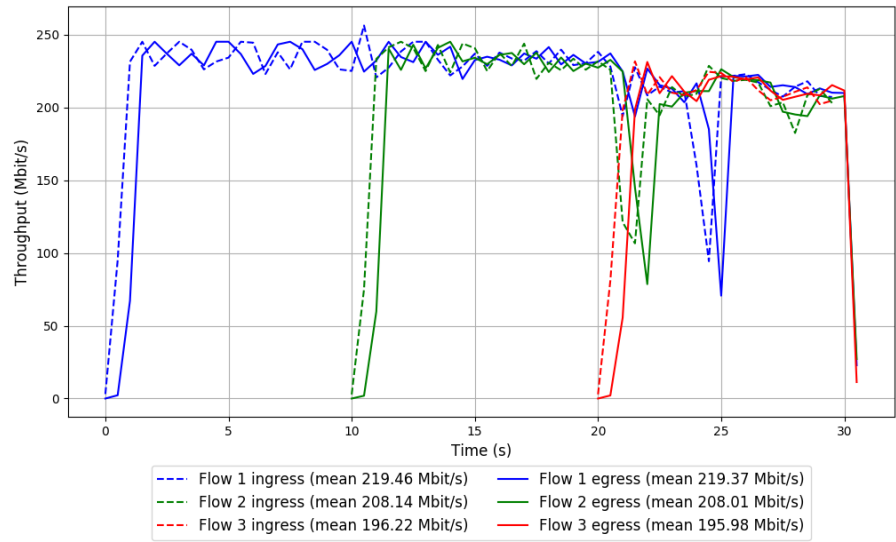


Run 5: Statistics of TCP BBR

Start at: 2018-07-20 08:47:12
End at: 2018-07-20 08:47:42
Local clock offset: 0.009 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-20 11:41:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.17 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.37 Mbit/s
95th percentile per-packet one-way delay: 67.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 208.01 Mbit/s
95th percentile per-packet one-way delay: 68.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 195.98 Mbit/s
95th percentile per-packet one-way delay: 72.877 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

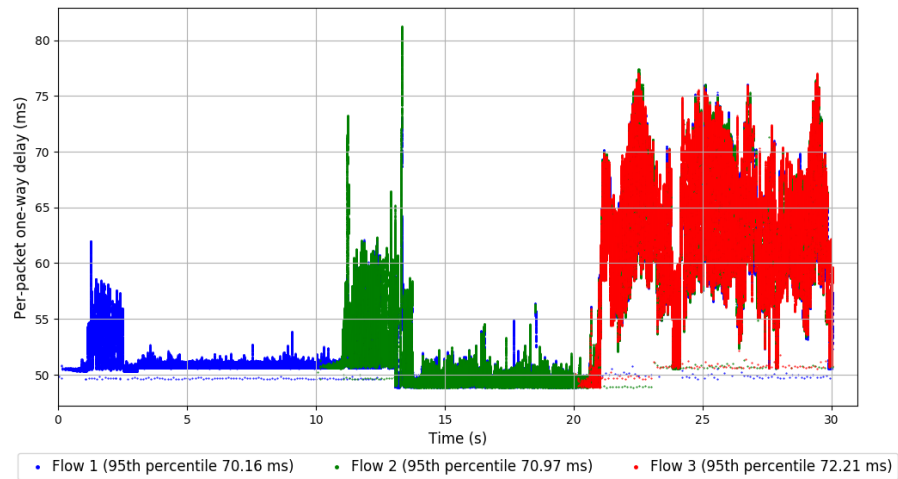
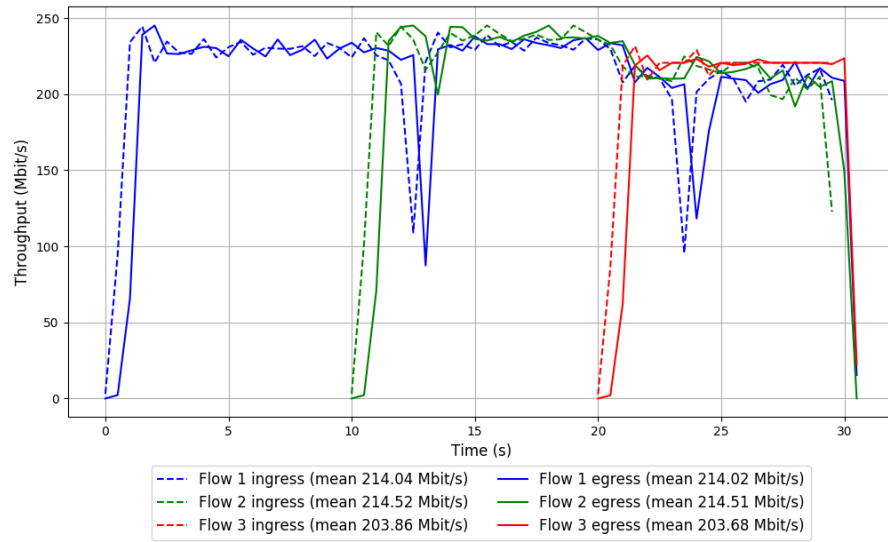


Run 6: Statistics of TCP BBR

Start at: 2018-07-20 09:12:35
End at: 2018-07-20 09:13:05
Local clock offset: -0.069 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-20 11:41:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.55 Mbit/s
95th percentile per-packet one-way delay: 71.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.02 Mbit/s
95th percentile per-packet one-way delay: 70.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 214.51 Mbit/s
95th percentile per-packet one-way delay: 70.968 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 203.68 Mbit/s
95th percentile per-packet one-way delay: 72.206 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-20 09:37:34

End at: 2018-07-20 09:38:04

Local clock offset: -0.115 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-20 11:41:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 408.44 Mbit/s

95th percentile per-packet one-way delay: 80.844 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 209.08 Mbit/s

95th percentile per-packet one-way delay: 78.901 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 204.48 Mbit/s

95th percentile per-packet one-way delay: 81.099 ms

Loss rate: 0.00%

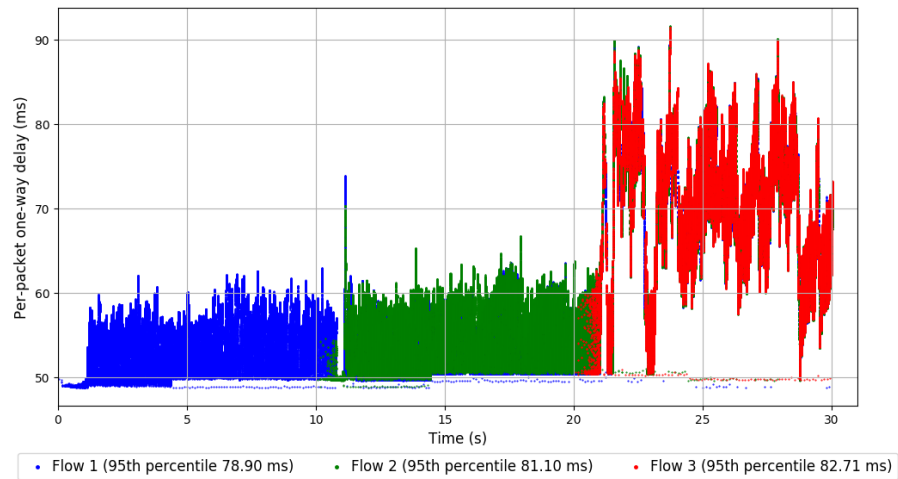
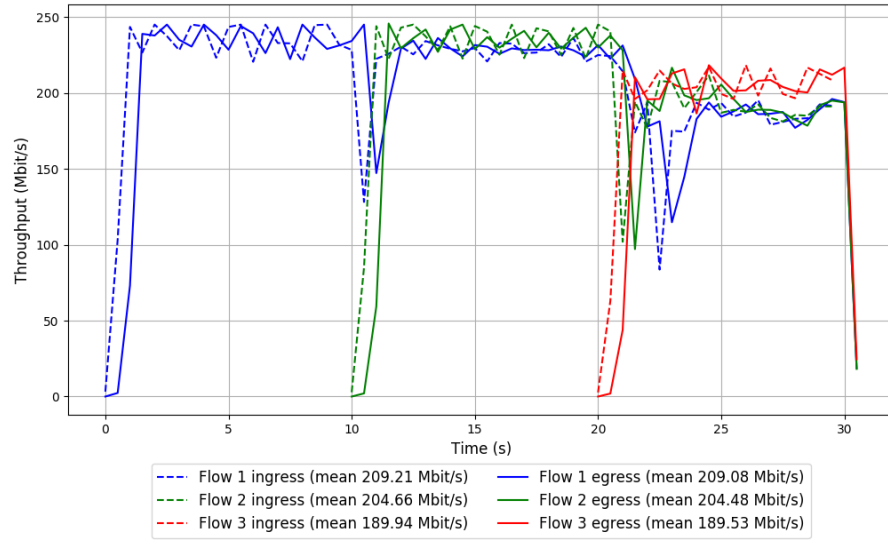
-- Flow 3:

Average throughput: 189.53 Mbit/s

95th percentile per-packet one-way delay: 82.710 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

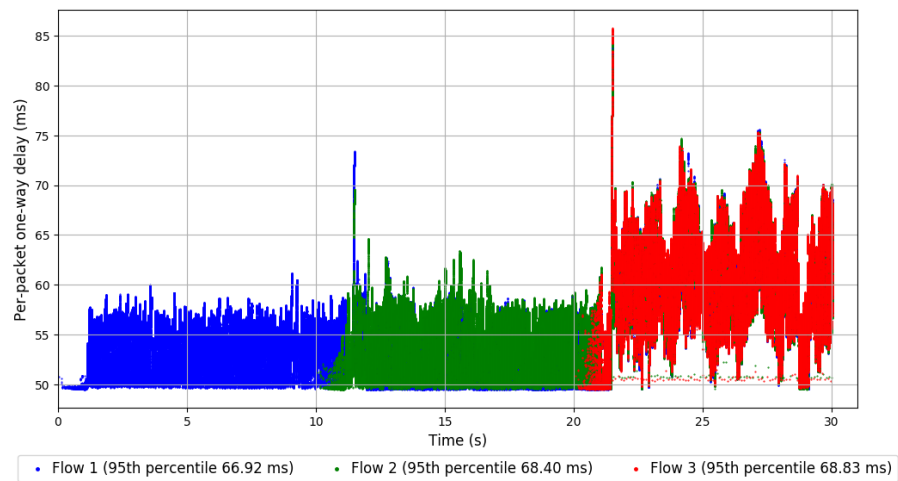
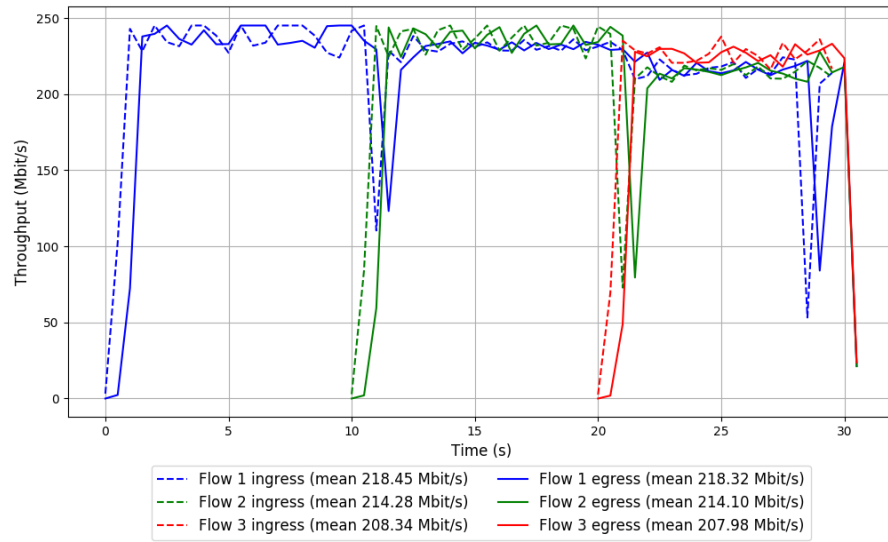


Run 8: Statistics of TCP BBR

Start at: 2018-07-20 10:02:25
End at: 2018-07-20 10:02:55
Local clock offset: -0.207 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-20 11:41:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.14 Mbit/s
95th percentile per-packet one-way delay: 67.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.32 Mbit/s
95th percentile per-packet one-way delay: 66.915 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 214.10 Mbit/s
95th percentile per-packet one-way delay: 68.399 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 207.98 Mbit/s
95th percentile per-packet one-way delay: 68.834 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

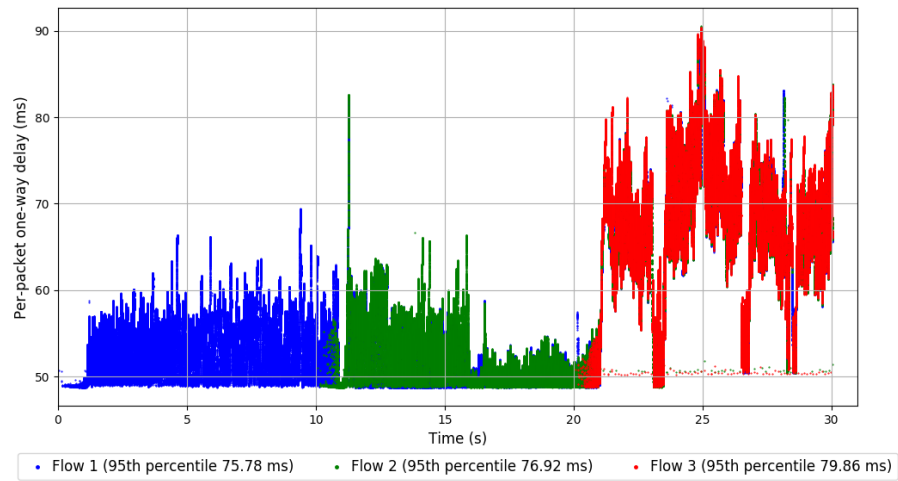
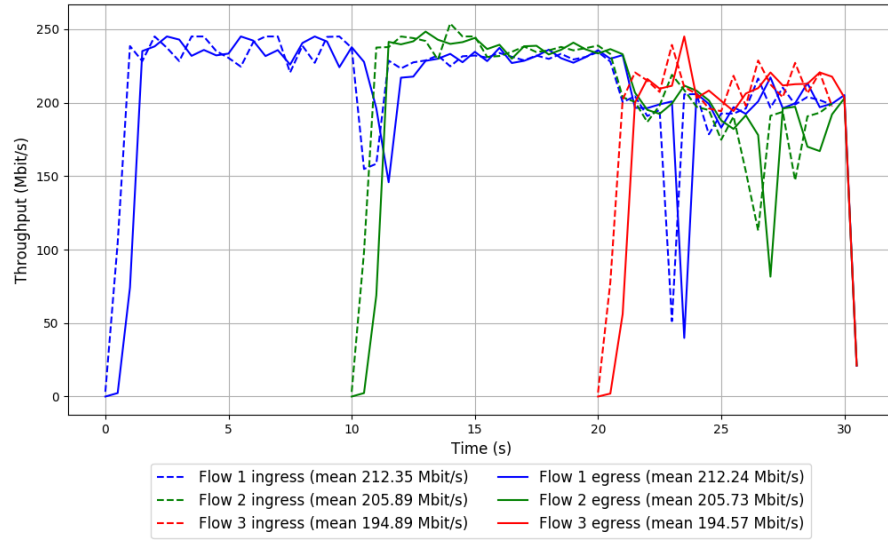


Run 9: Statistics of TCP BBR

Start at: 2018-07-20 10:27:13
End at: 2018-07-20 10:27:43
Local clock offset: -0.231 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 11:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.05 Mbit/s
95th percentile per-packet one-way delay: 77.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.24 Mbit/s
95th percentile per-packet one-way delay: 75.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.73 Mbit/s
95th percentile per-packet one-way delay: 76.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 194.57 Mbit/s
95th percentile per-packet one-way delay: 79.856 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-20 10:52:00

End at: 2018-07-20 10:52:30

Local clock offset: -0.286 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-20 11:47:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.91 Mbit/s

95th percentile per-packet one-way delay: 77.371 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 202.48 Mbit/s

95th percentile per-packet one-way delay: 73.777 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.96 Mbit/s

95th percentile per-packet one-way delay: 76.653 ms

Loss rate: 0.01%

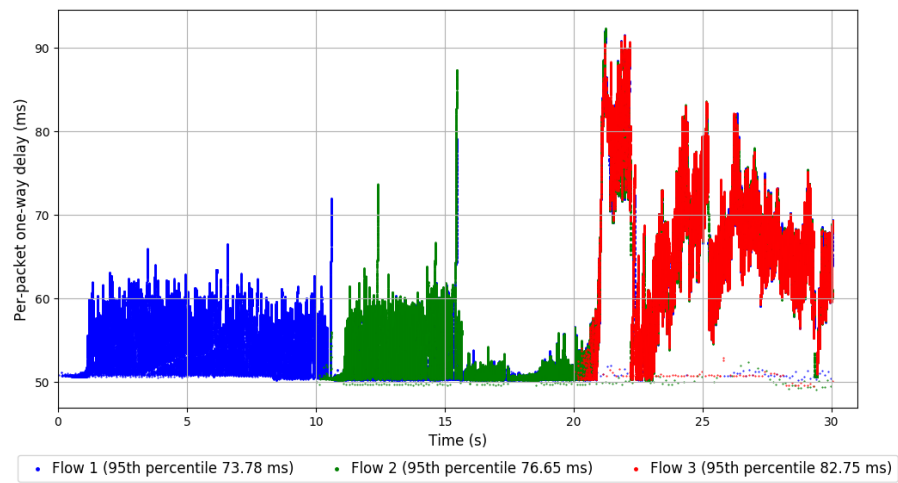
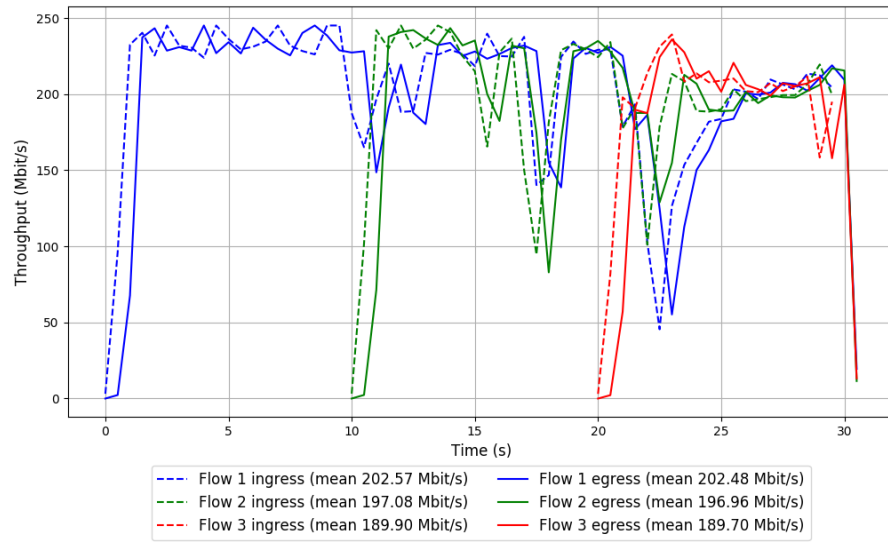
-- Flow 3:

Average throughput: 189.70 Mbit/s

95th percentile per-packet one-way delay: 82.754 ms

Loss rate: 0.03%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-20 07:17:35

End at: 2018-07-20 07:18:05

Local clock offset: -0.492 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-20 11:47:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.63 Mbit/s

95th percentile per-packet one-way delay: 66.980 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 59.232 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 77.500 ms

Loss rate: 0.00%

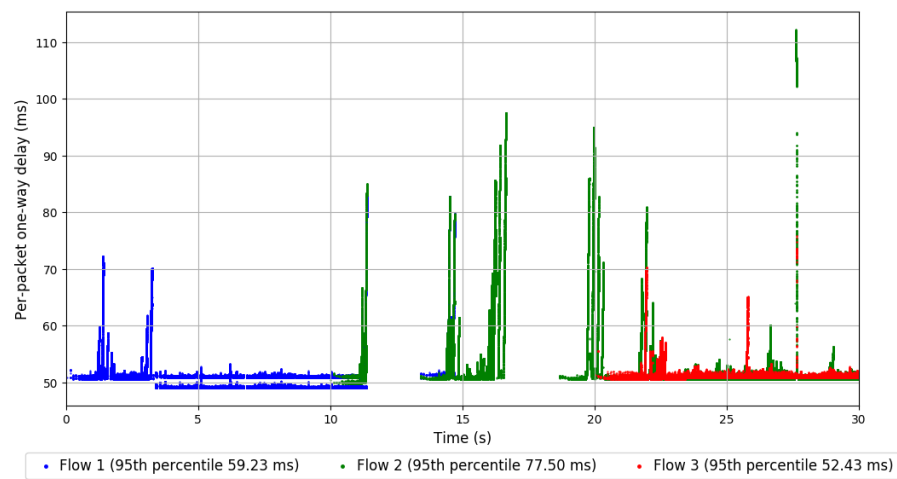
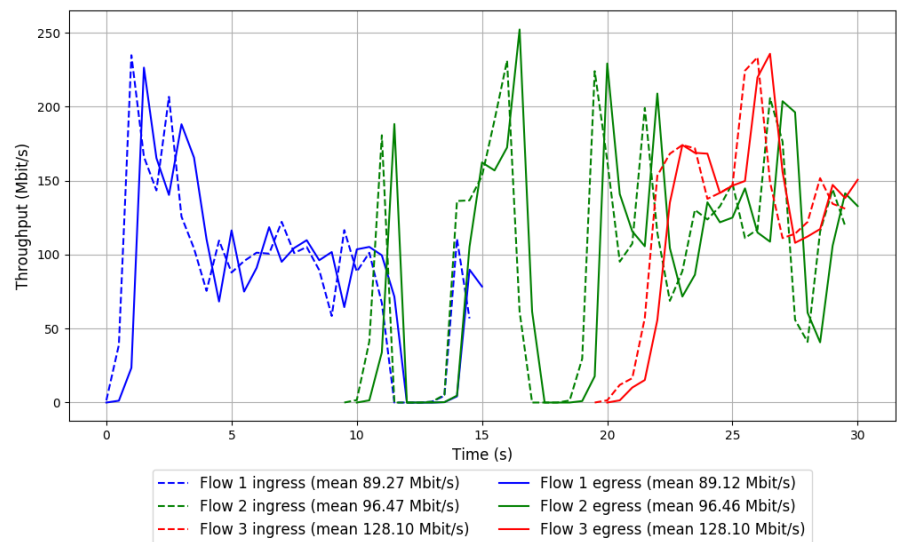
-- Flow 3:

Average throughput: 128.10 Mbit/s

95th percentile per-packet one-way delay: 52.431 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

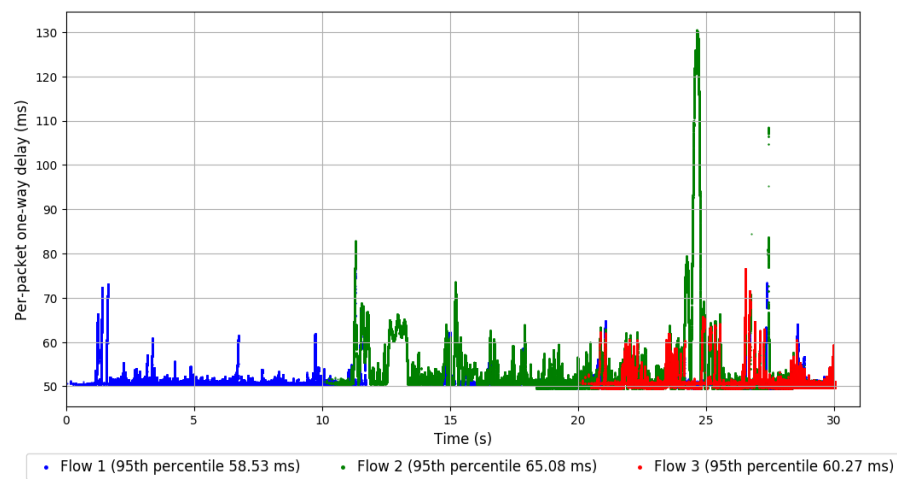
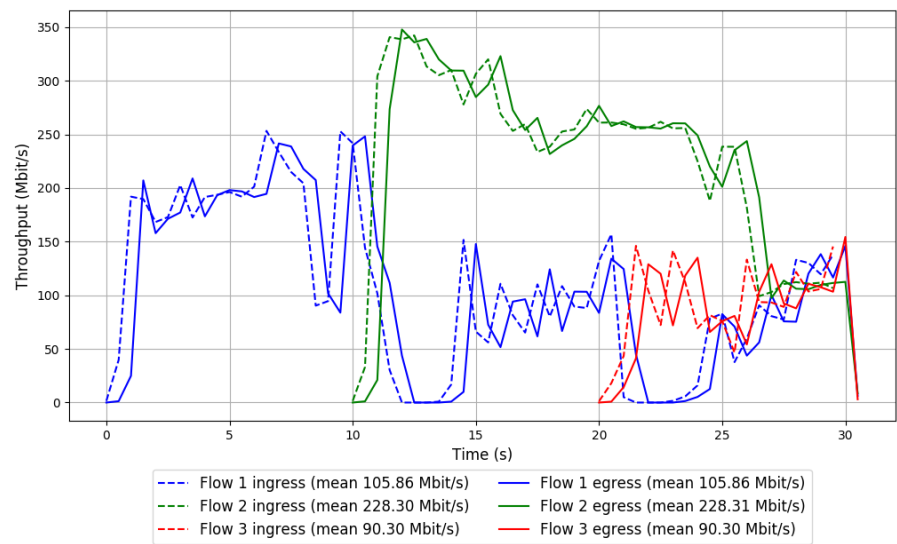


Run 2: Statistics of Copa

Start at: 2018-07-20 07:42:30
End at: 2018-07-20 07:43:00
Local clock offset: -0.152 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-20 11:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.91 Mbit/s
95th percentile per-packet one-way delay: 63.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.86 Mbit/s
95th percentile per-packet one-way delay: 58.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.31 Mbit/s
95th percentile per-packet one-way delay: 65.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 60.270 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

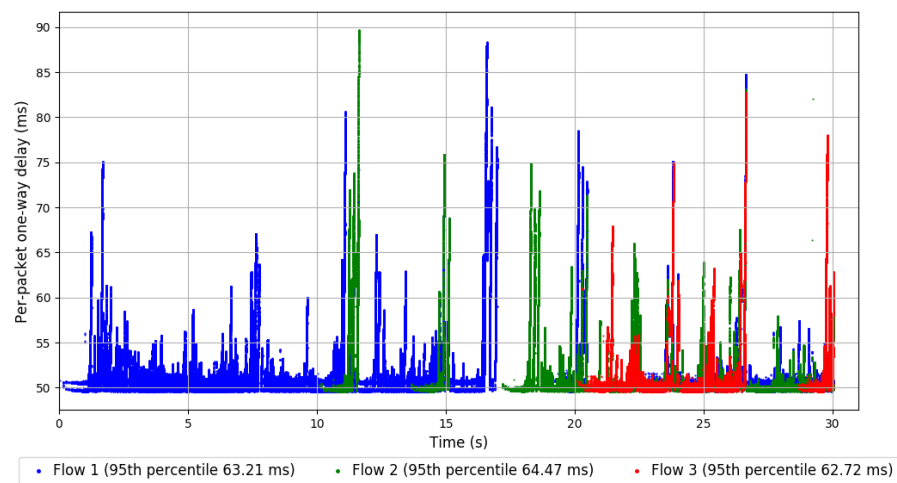
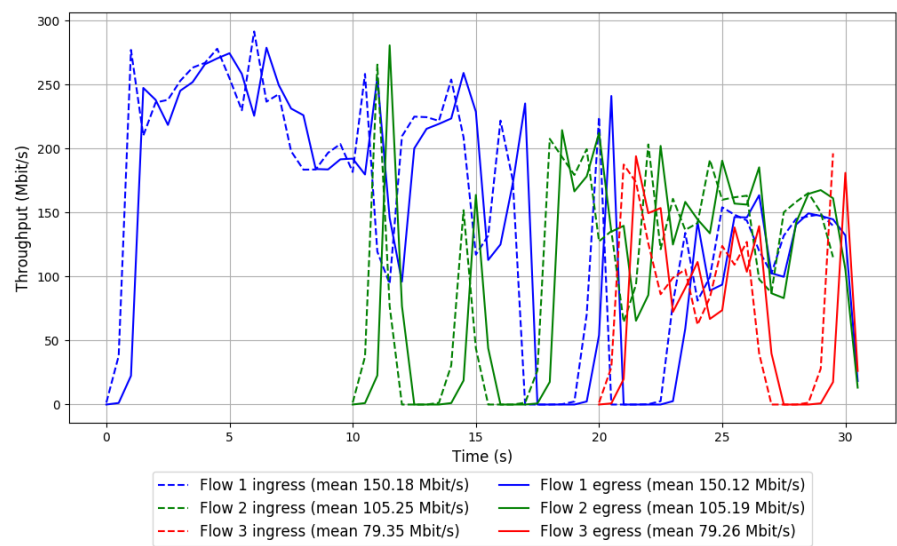


Run 3: Statistics of Copa

Start at: 2018-07-20 08:07:29
End at: 2018-07-20 08:07:59
Local clock offset: -0.065 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-20 11:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 63.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.12 Mbit/s
95th percentile per-packet one-way delay: 63.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.19 Mbit/s
95th percentile per-packet one-way delay: 64.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

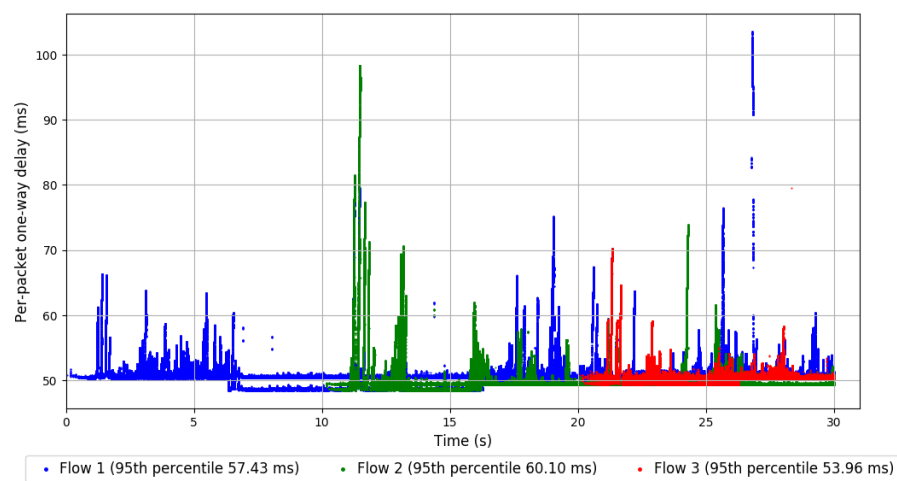
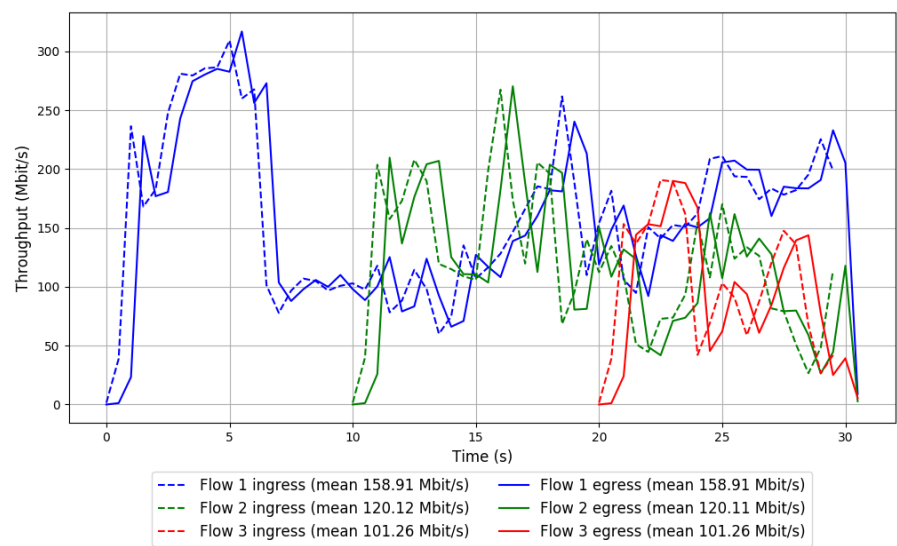


Run 4: Statistics of Copa

Start at: 2018-07-20 08:32:32
End at: 2018-07-20 08:33:02
Local clock offset: 0.178 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-20 11:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.55 Mbit/s
95th percentile per-packet one-way delay: 57.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.91 Mbit/s
95th percentile per-packet one-way delay: 57.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.11 Mbit/s
95th percentile per-packet one-way delay: 60.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 101.26 Mbit/s
95th percentile per-packet one-way delay: 53.956 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

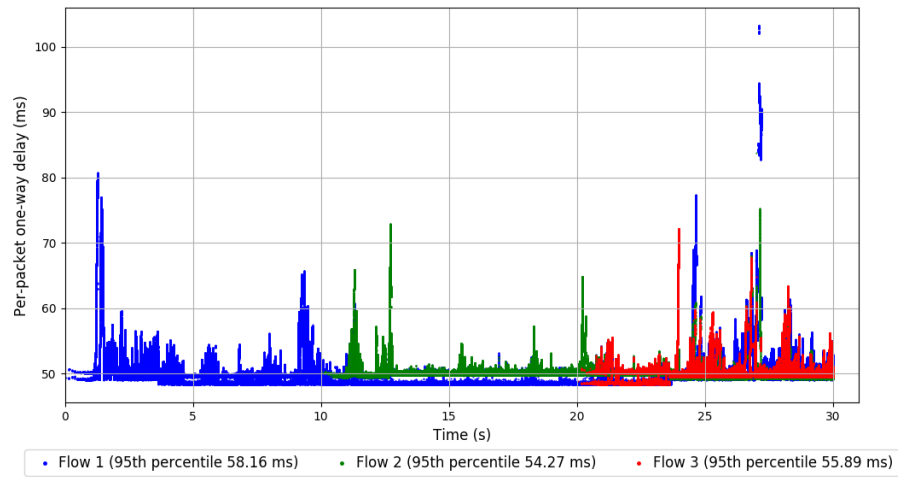
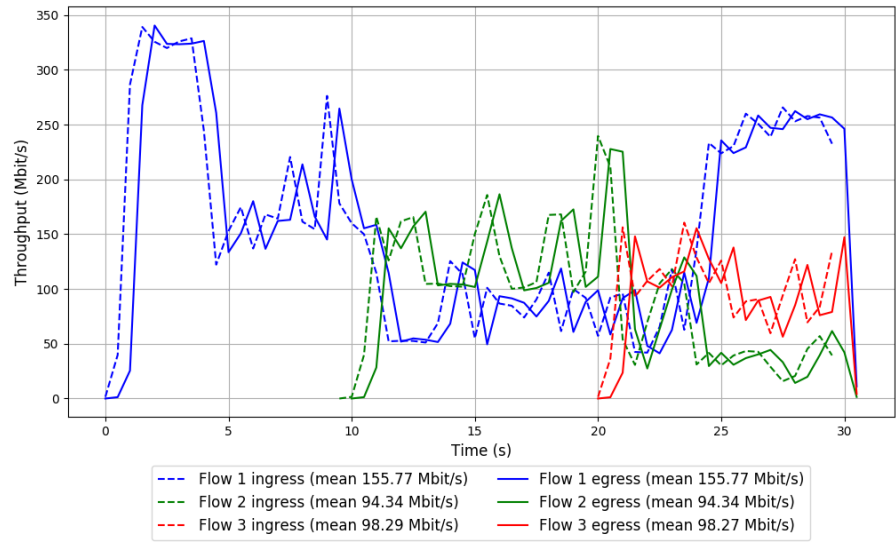


Run 5: Statistics of Copa

Start at: 2018-07-20 08:57:35
End at: 2018-07-20 08:58:05
Local clock offset: 0.352 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-20 11:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.27 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.77 Mbit/s
95th percentile per-packet one-way delay: 58.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 54.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 98.27 Mbit/s
95th percentile per-packet one-way delay: 55.887 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-20 09:22:53

End at: 2018-07-20 09:23:23

Local clock offset: -0.06 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-20 11:49:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.85 Mbit/s

95th percentile per-packet one-way delay: 58.512 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 57.083 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 162.99 Mbit/s

95th percentile per-packet one-way delay: 58.173 ms

Loss rate: 0.00%

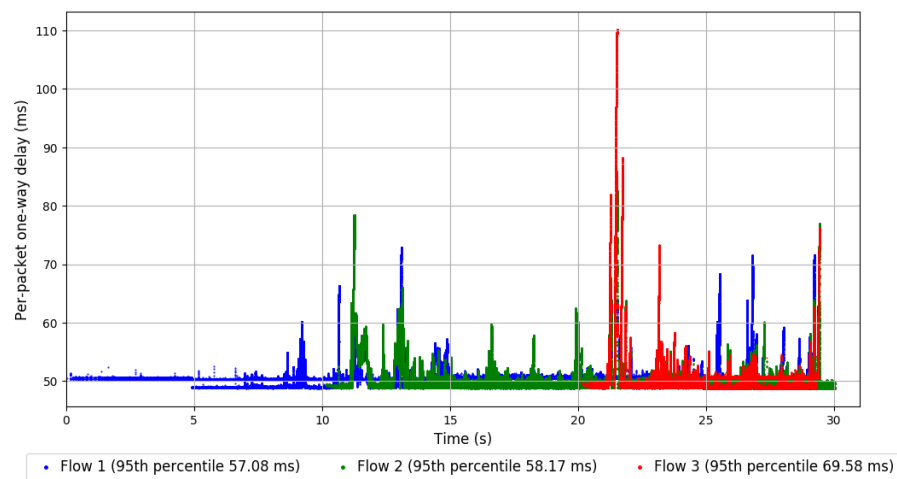
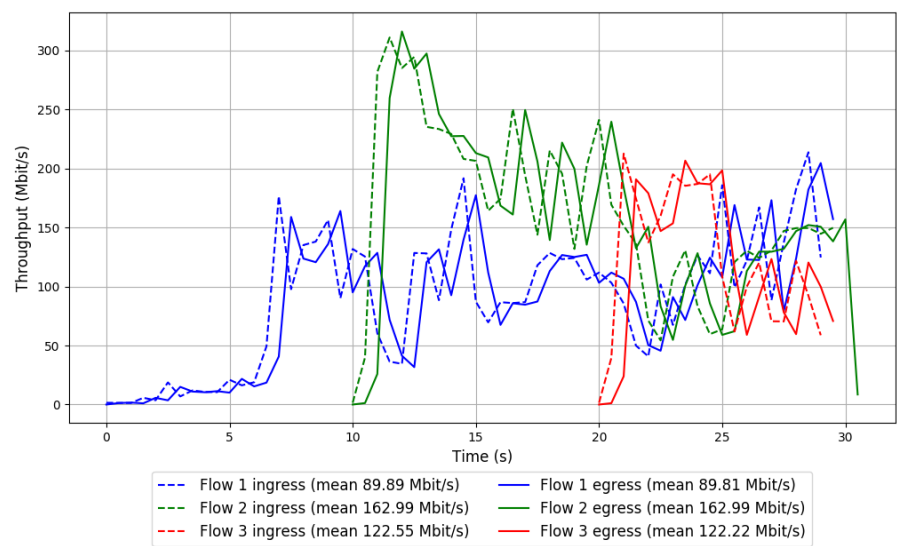
-- Flow 3:

Average throughput: 122.22 Mbit/s

95th percentile per-packet one-way delay: 69.579 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-20 09:47:43

End at: 2018-07-20 09:48:13

Local clock offset: 0.281 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-20 11:53:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.42 Mbit/s

95th percentile per-packet one-way delay: 56.938 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 120.78 Mbit/s

95th percentile per-packet one-way delay: 54.571 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 161.96 Mbit/s

95th percentile per-packet one-way delay: 60.016 ms

Loss rate: 0.01%

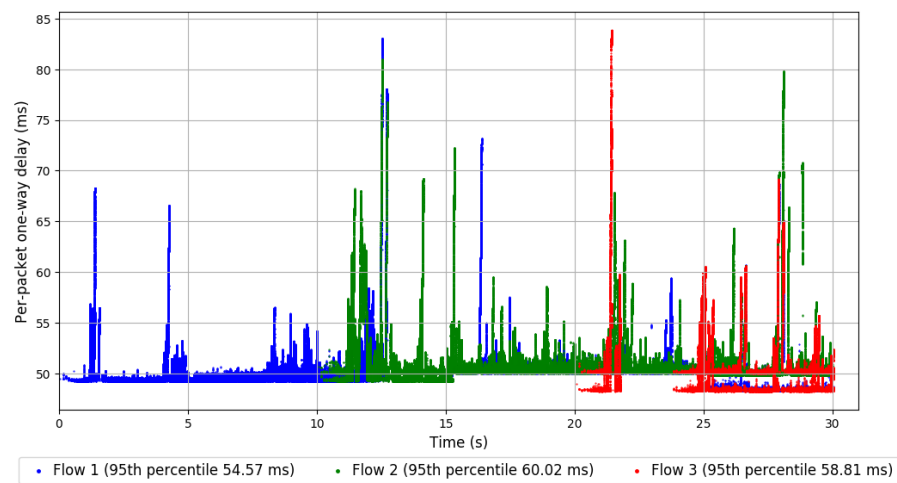
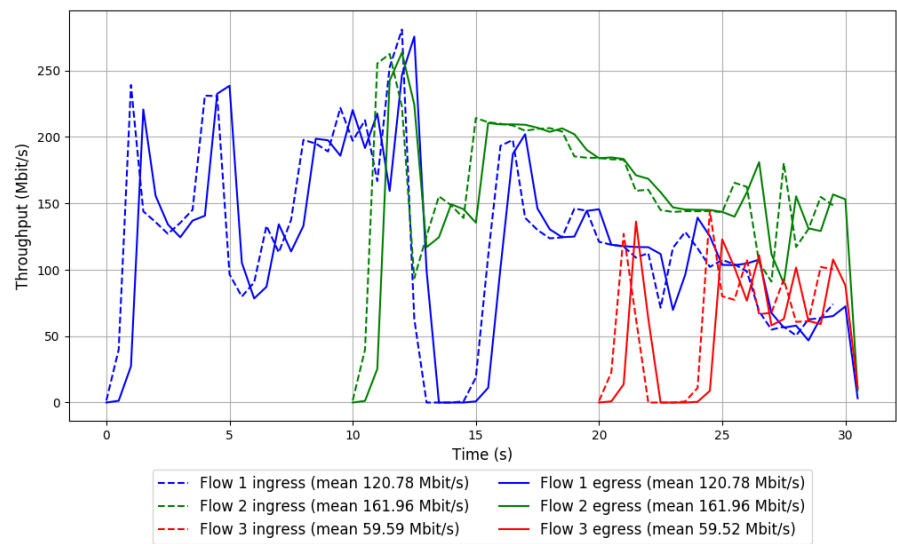
-- Flow 3:

Average throughput: 59.52 Mbit/s

95th percentile per-packet one-way delay: 58.810 ms

Loss rate: 0.12%

Run 7: Report of Copa — Data Link

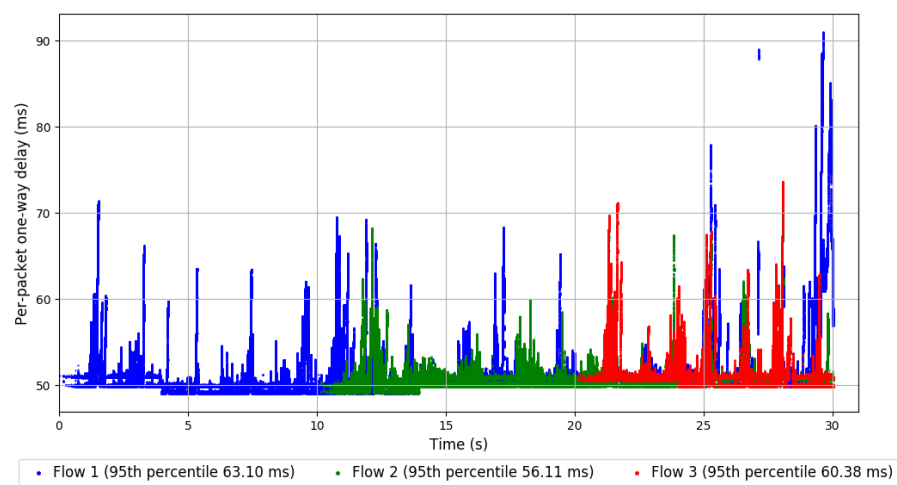
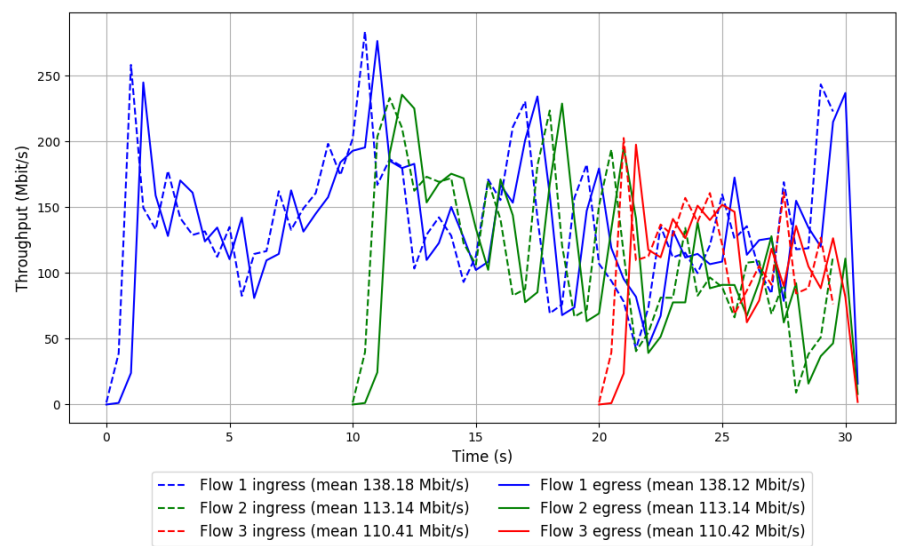


Run 8: Statistics of Copa

Start at: 2018-07-20 10:12:34
End at: 2018-07-20 10:13:04
Local clock offset: -0.556 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 11:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.17 Mbit/s
95th percentile per-packet one-way delay: 60.847 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 138.12 Mbit/s
95th percentile per-packet one-way delay: 63.098 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 113.14 Mbit/s
95th percentile per-packet one-way delay: 56.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.42 Mbit/s
95th percentile per-packet one-way delay: 60.376 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

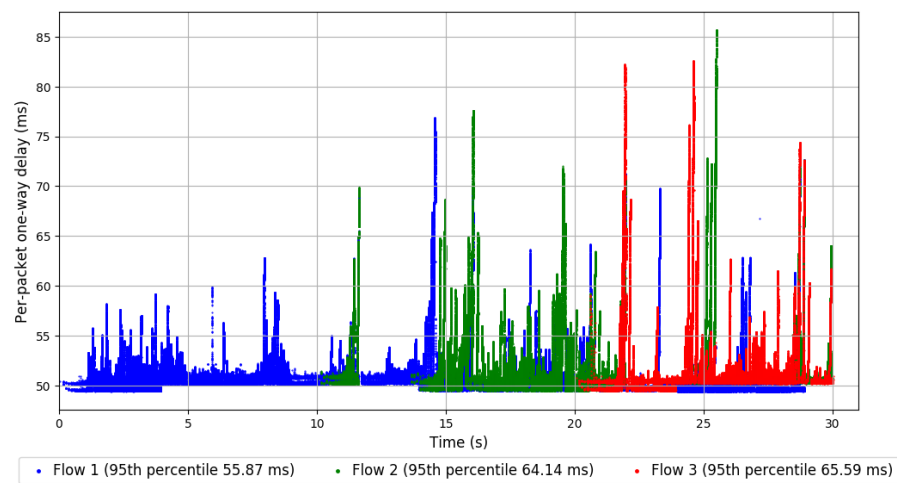
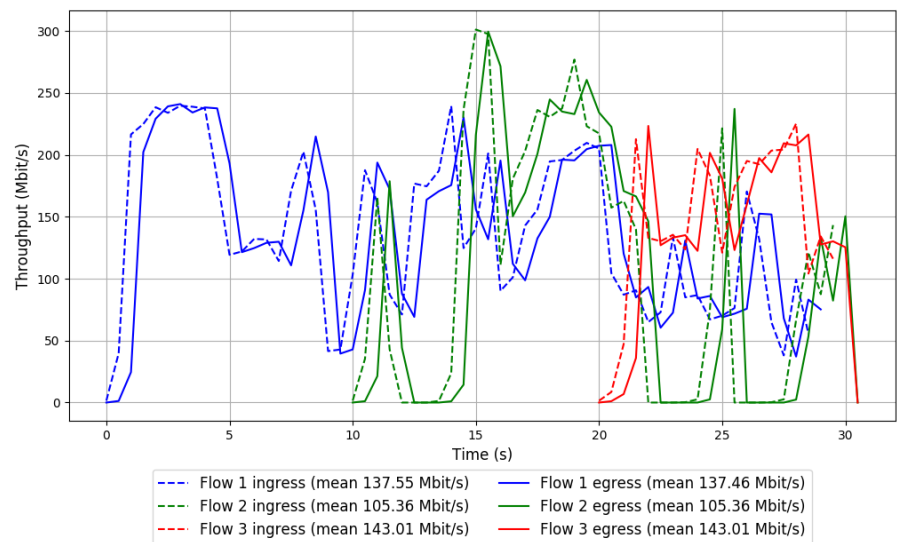


Run 9: Statistics of Copa

Start at: 2018-07-20 10:37:14
End at: 2018-07-20 10:37:44
Local clock offset: -0.259 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-20 11:54:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.96 Mbit/s
95th percentile per-packet one-way delay: 60.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 137.46 Mbit/s
95th percentile per-packet one-way delay: 55.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.36 Mbit/s
95th percentile per-packet one-way delay: 64.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.01 Mbit/s
95th percentile per-packet one-way delay: 65.595 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

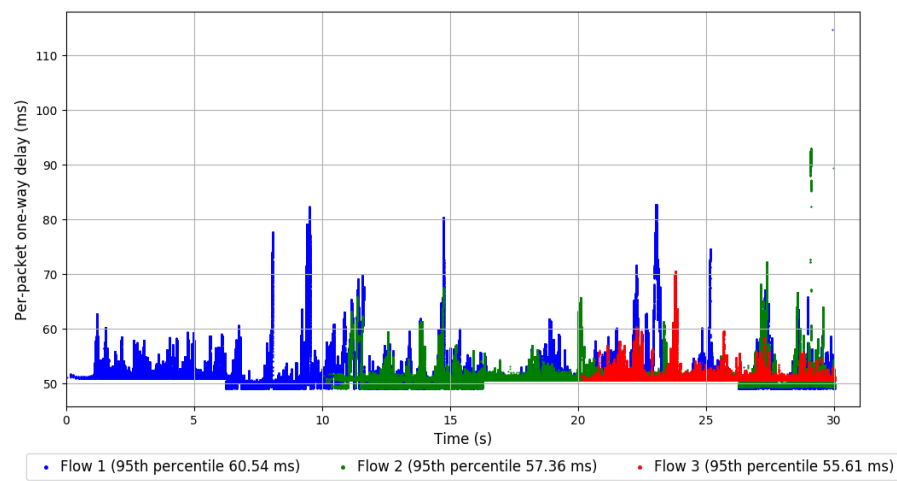
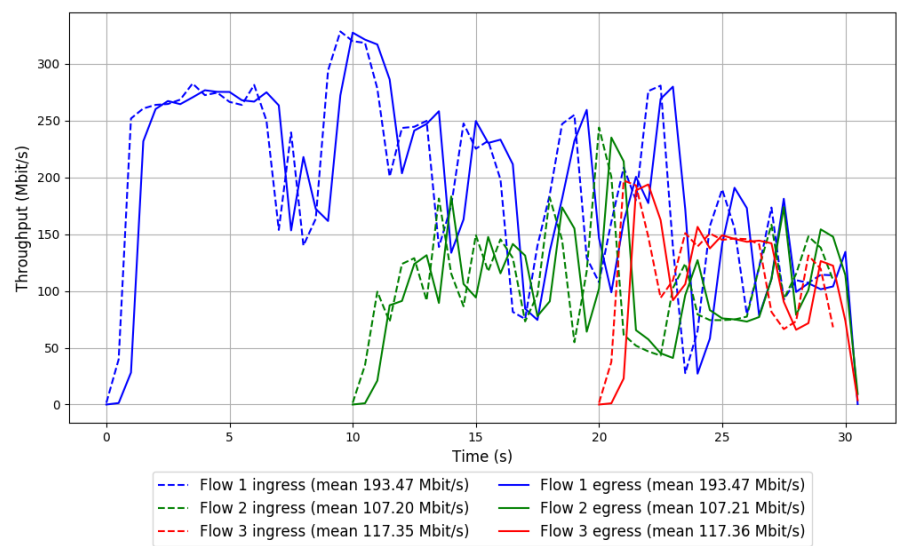


Run 10: Statistics of Copa

Start at: 2018-07-20 11:02:12
End at: 2018-07-20 11:02:42
Local clock offset: -0.676 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-20 11:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.86 Mbit/s
95th percentile per-packet one-way delay: 59.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.47 Mbit/s
95th percentile per-packet one-way delay: 60.538 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.21 Mbit/s
95th percentile per-packet one-way delay: 57.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.36 Mbit/s
95th percentile per-packet one-way delay: 55.612 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 07:14:34

End at: 2018-07-20 07:15:04

Local clock offset: -0.162 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 11:56:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.21 Mbit/s

95th percentile per-packet one-way delay: 61.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 230.00 Mbit/s

95th percentile per-packet one-way delay: 62.102 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 131.69 Mbit/s

95th percentile per-packet one-way delay: 57.111 ms

Loss rate: 0.00%

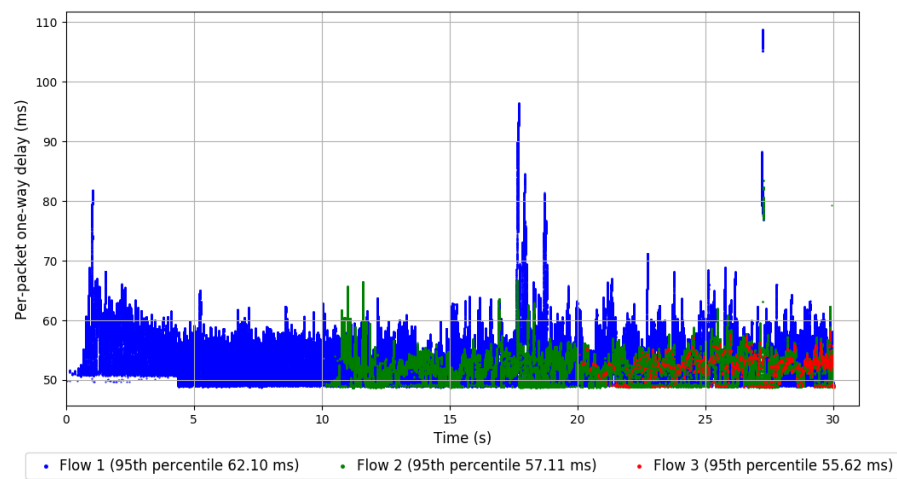
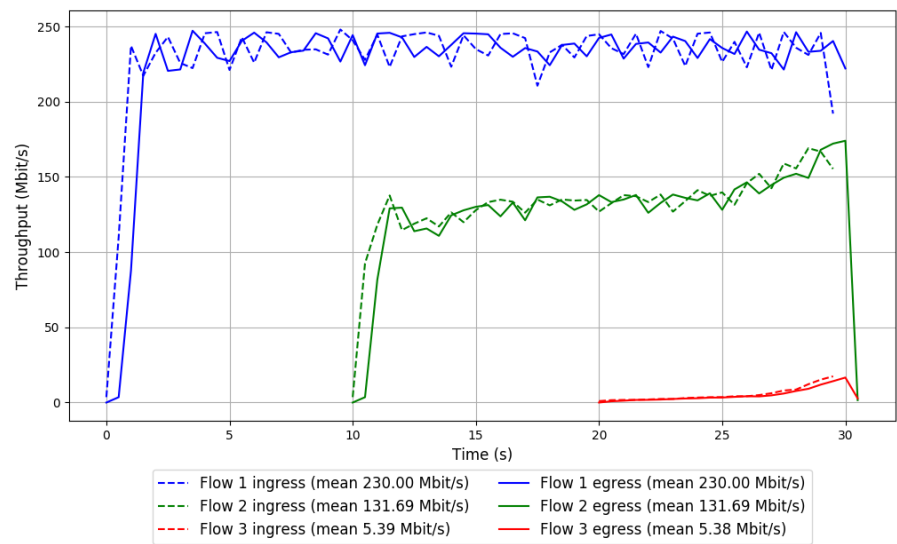
-- Flow 3:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 55.620 ms

Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

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

End at: 2018-07-20 07:39:55

Local clock offset: -0.132 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-20 11:56:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.32 Mbit/s

95th percentile per-packet one-way delay: 61.011 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 228.70 Mbit/s

95th percentile per-packet one-way delay: 61.274 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 56.771 ms

Loss rate: 0.00%

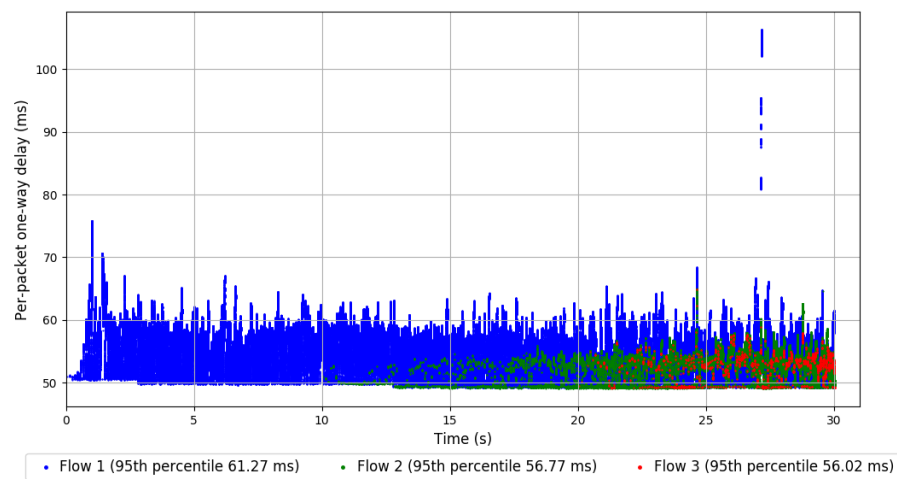
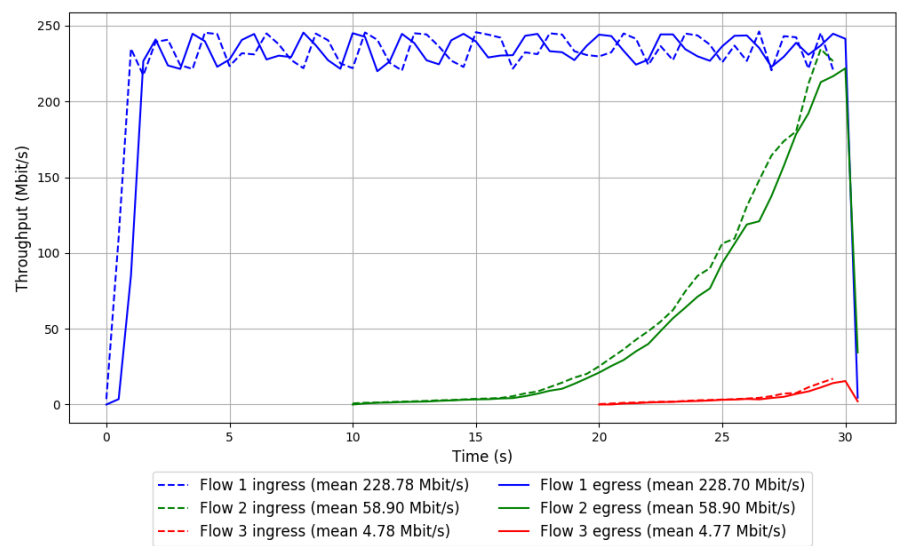
-- Flow 3:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 56.015 ms

Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link

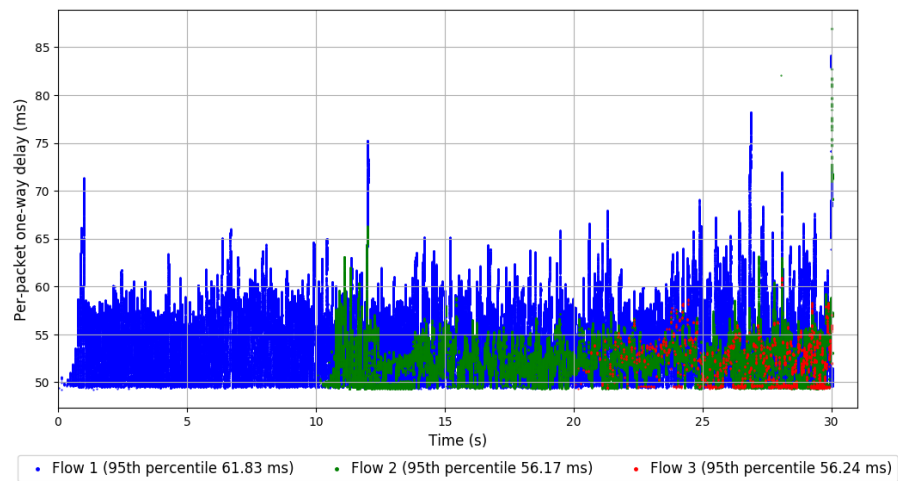
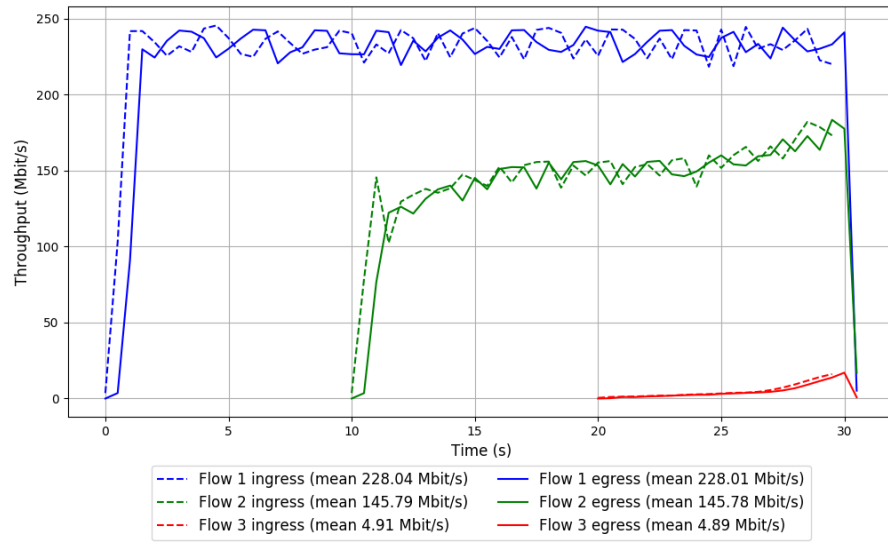


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 08:04:23
End at: 2018-07-20 08:04:53
Local clock offset: 0.253 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-20 11:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.70 Mbit/s
95th percentile per-packet one-way delay: 61.022 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 228.01 Mbit/s
95th percentile per-packet one-way delay: 61.827 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 145.78 Mbit/s
95th percentile per-packet one-way delay: 56.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 56.245 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 08:29:24

End at: 2018-07-20 08:29:54

Local clock offset: -0.155 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-20 11:56:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.58 Mbit/s

95th percentile per-packet one-way delay: 76.125 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 224.09 Mbit/s

95th percentile per-packet one-way delay: 72.325 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.96 Mbit/s

95th percentile per-packet one-way delay: 78.728 ms

Loss rate: 0.42%

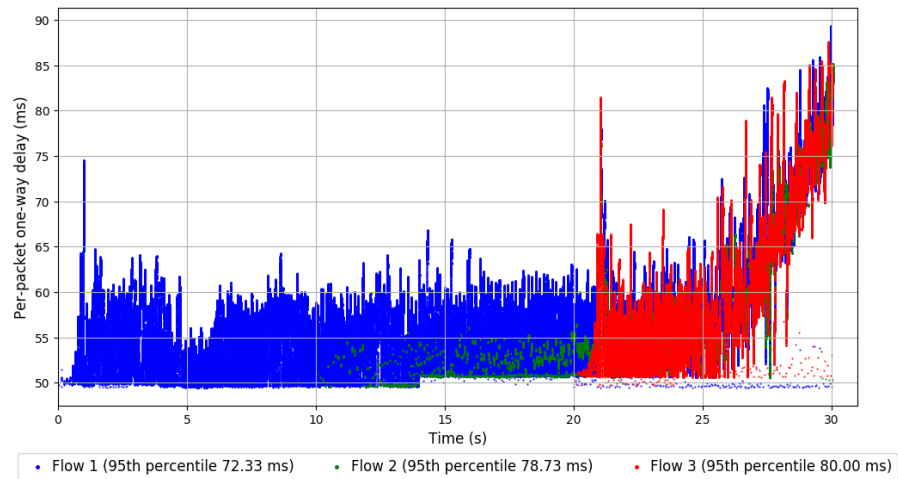
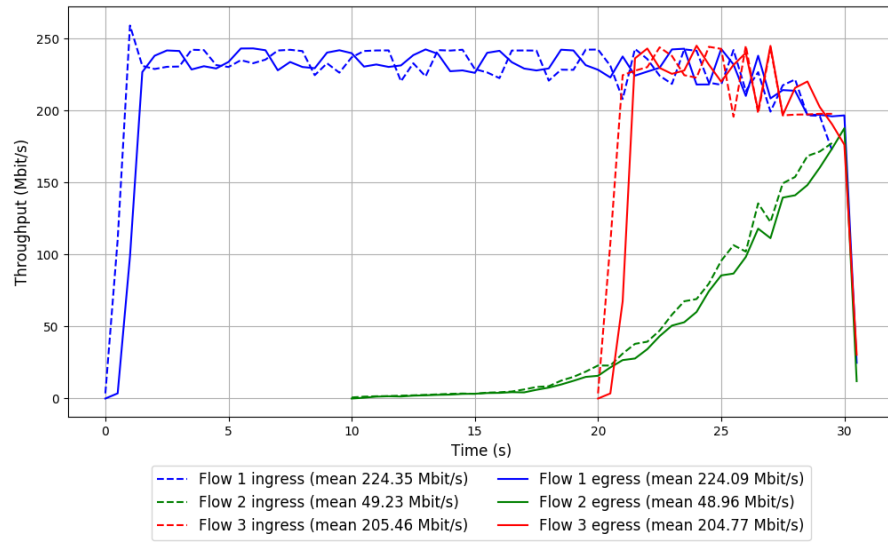
-- Flow 3:

Average throughput: 204.77 Mbit/s

95th percentile per-packet one-way delay: 80.004 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

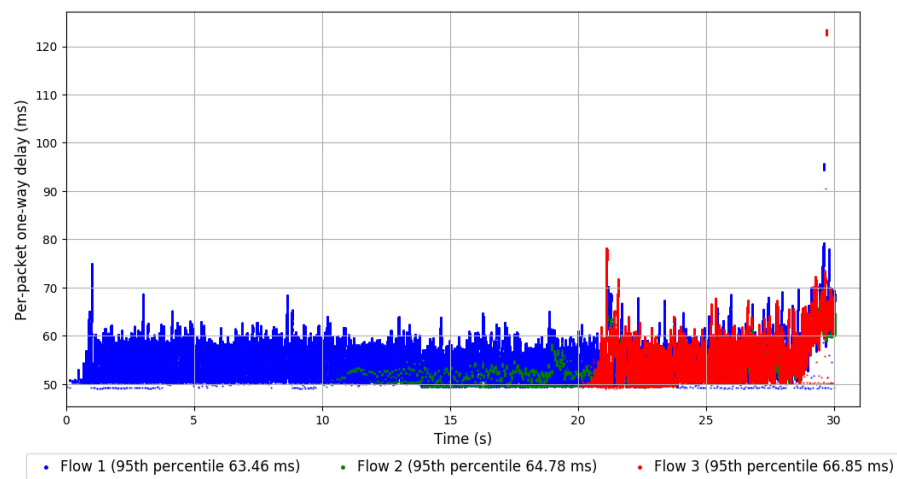
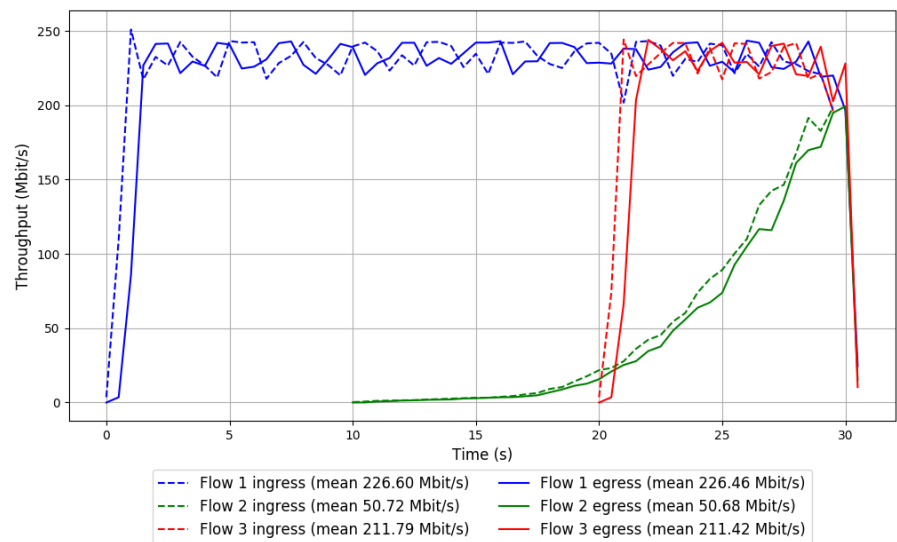


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 08:54:24
End at: 2018-07-20 08:54:54
Local clock offset: 0.301 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-20 11:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.33 Mbit/s
95th percentile per-packet one-way delay: 64.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.46 Mbit/s
95th percentile per-packet one-way delay: 63.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.68 Mbit/s
95th percentile per-packet one-way delay: 64.784 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 211.42 Mbit/s
95th percentile per-packet one-way delay: 66.851 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

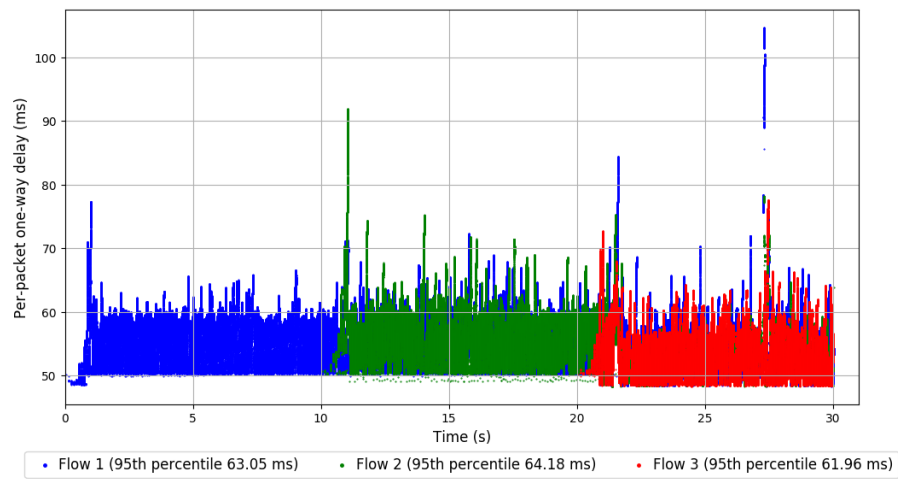
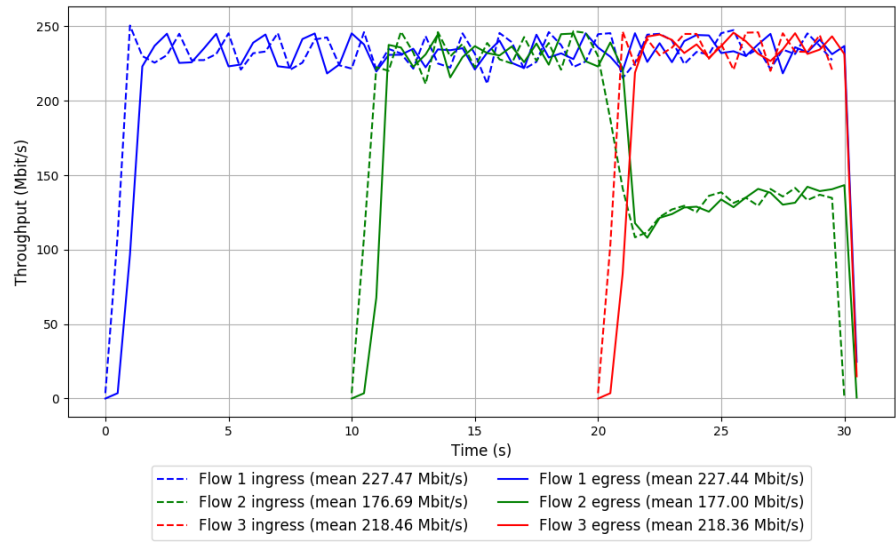


Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 09:19:47
End at: 2018-07-20 09:20:17
Local clock offset: 0.344 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-20 11:59:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.91 Mbit/s
95th percentile per-packet one-way delay: 63.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.44 Mbit/s
95th percentile per-packet one-way delay: 63.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.00 Mbit/s
95th percentile per-packet one-way delay: 64.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 218.36 Mbit/s
95th percentile per-packet one-way delay: 61.957 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 09:44:37

End at: 2018-07-20 09:45:07

Local clock offset: 0.237 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-20 11:59:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.66 Mbit/s

95th percentile per-packet one-way delay: 93.314 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 220.21 Mbit/s

95th percentile per-packet one-way delay: 91.670 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 185.37 Mbit/s

95th percentile per-packet one-way delay: 93.762 ms

Loss rate: 0.01%

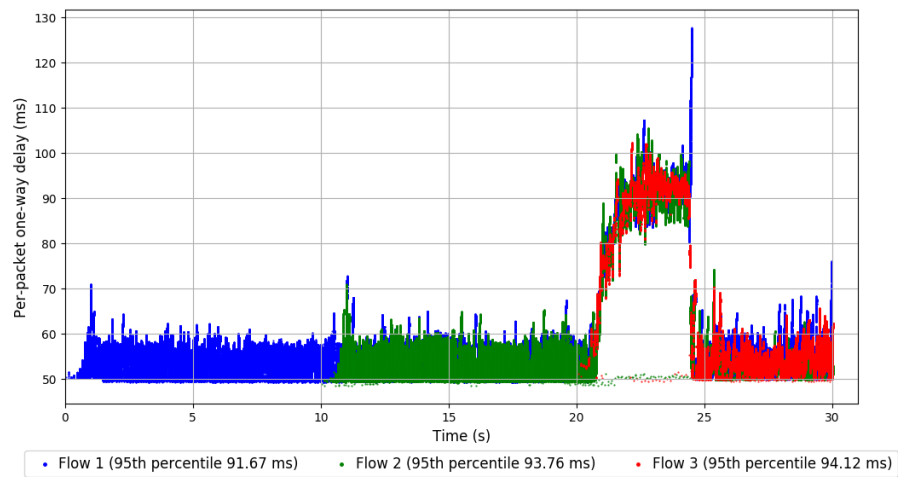
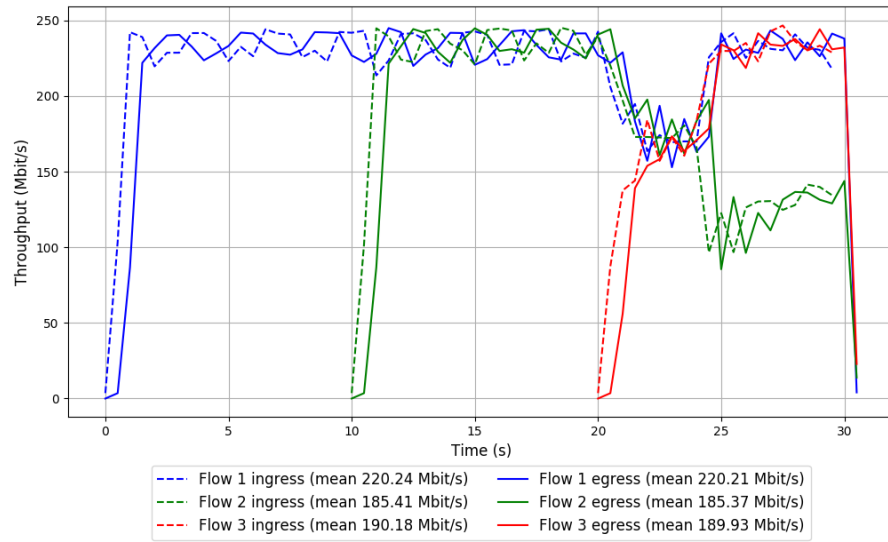
-- Flow 3:

Average throughput: 189.93 Mbit/s

95th percentile per-packet one-way delay: 94.125 ms

Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link

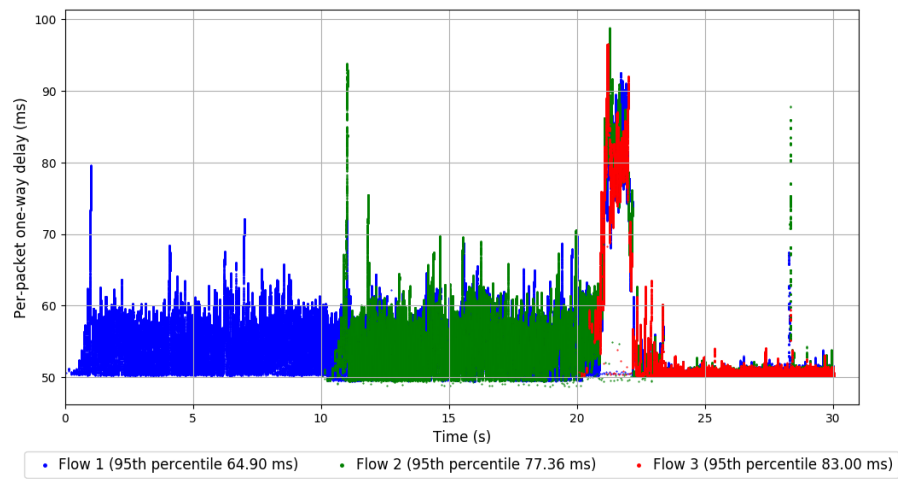
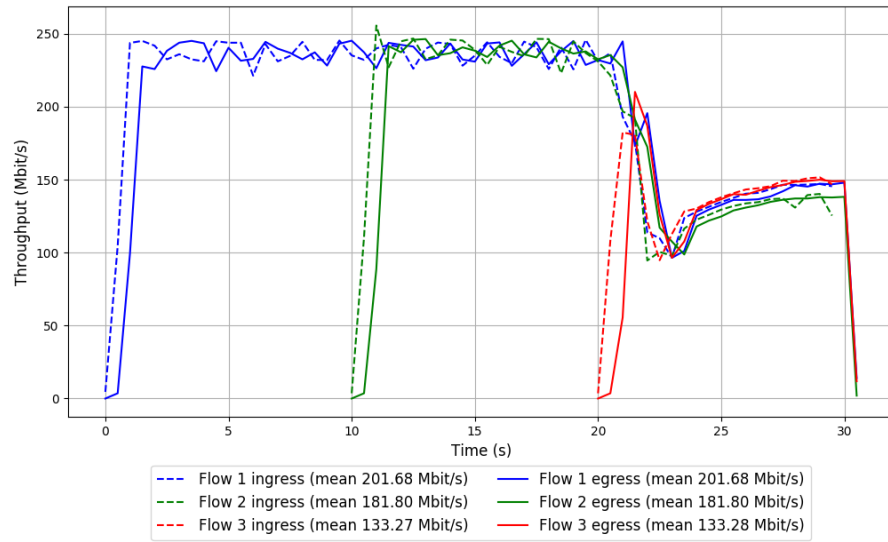


Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 10:09:28
End at: 2018-07-20 10:09:58
Local clock offset: -0.112 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 12:00:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.07 Mbit/s
95th percentile per-packet one-way delay: 74.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.68 Mbit/s
95th percentile per-packet one-way delay: 64.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.80 Mbit/s
95th percentile per-packet one-way delay: 77.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.28 Mbit/s
95th percentile per-packet one-way delay: 83.002 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 10:34:11

End at: 2018-07-20 10:34:41

Local clock offset: -0.276 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-20 12:00:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.77 Mbit/s

95th percentile per-packet one-way delay: 59.084 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 177.45 Mbit/s

95th percentile per-packet one-way delay: 59.471 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 137.23 Mbit/s

95th percentile per-packet one-way delay: 57.766 ms

Loss rate: 0.00%

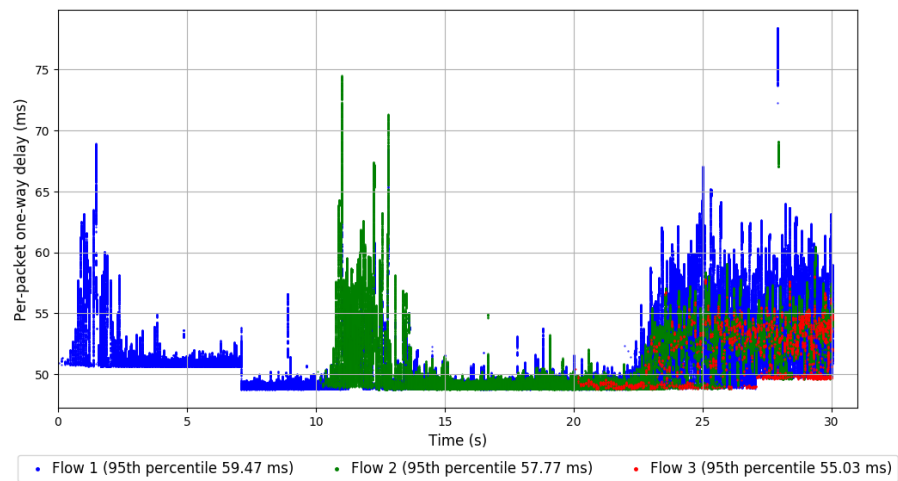
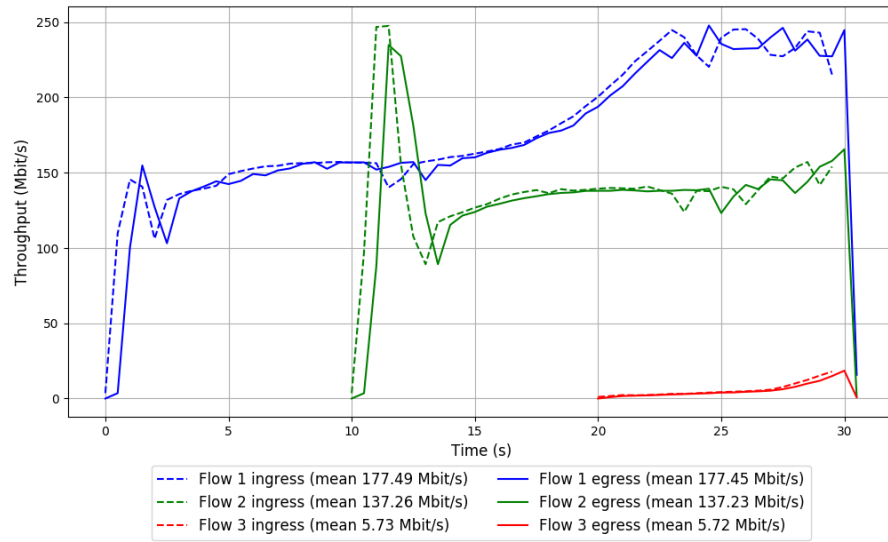
-- Flow 3:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 55.035 ms

Loss rate: 0.08%

Run 9: Report of TCP Cubic — Data Link

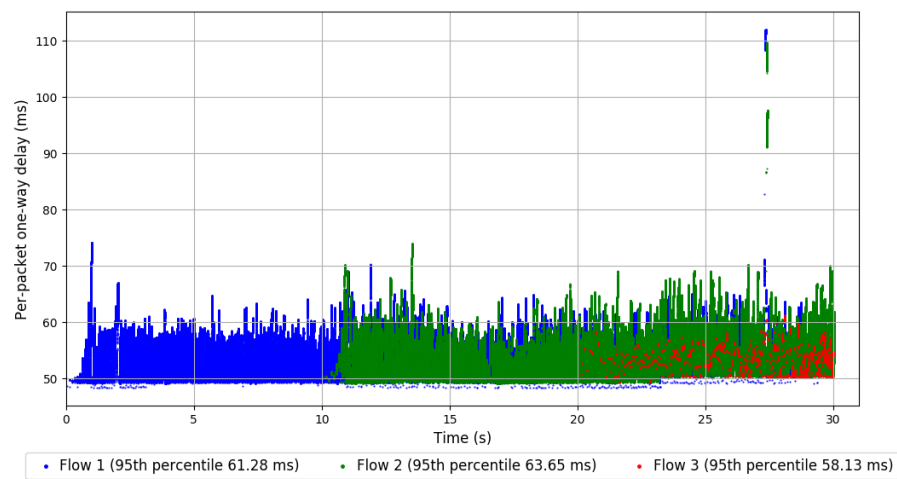
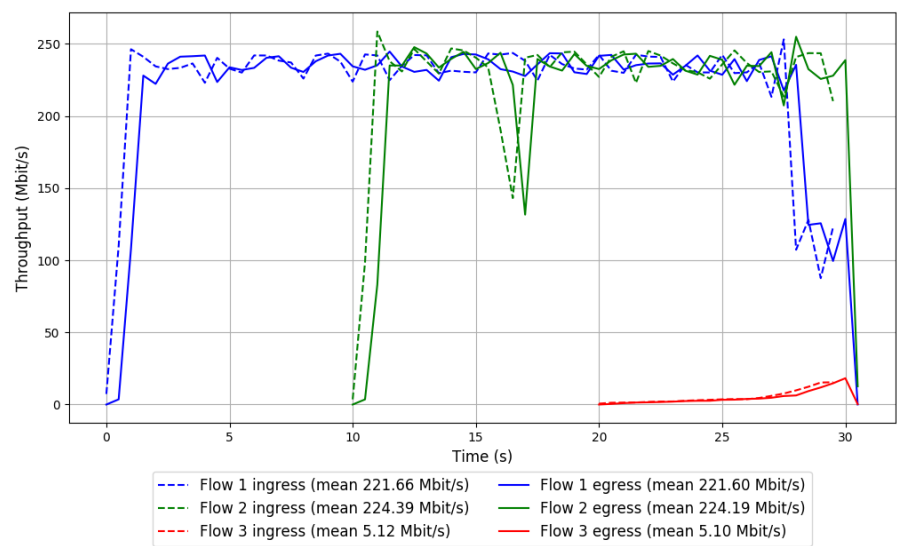


Run 10: Statistics of TCP Cubic

Start at: 2018-07-20 10:59:05
End at: 2018-07-20 10:59:35
Local clock offset: 0.063 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 12:00:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.60 Mbit/s
95th percentile per-packet one-way delay: 62.310 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 221.60 Mbit/s
95th percentile per-packet one-way delay: 61.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 224.19 Mbit/s
95th percentile per-packet one-way delay: 63.651 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 58.126 ms
Loss rate: 0.19%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-20 07:12:38

End at: 2018-07-20 07:13:08

Local clock offset: -0.139 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-20 12:14:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1125.95 Mbit/s

95th percentile per-packet one-way delay: 220.325 ms

Loss rate: 9.87%

-- Flow 1:

Average throughput: 615.41 Mbit/s

95th percentile per-packet one-way delay: 165.116 ms

Loss rate: 11.76%

-- Flow 2:

Average throughput: 515.04 Mbit/s

95th percentile per-packet one-way delay: 198.625 ms

Loss rate: 9.68%

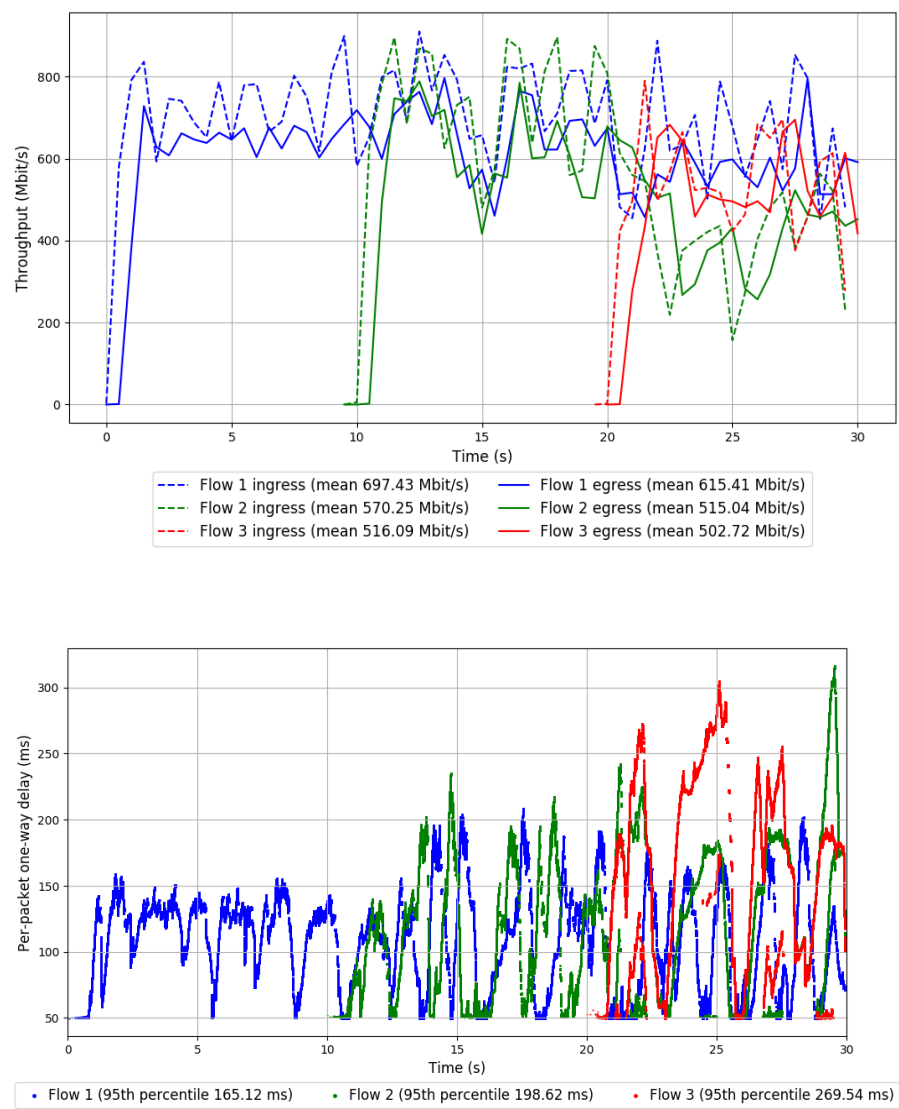
-- Flow 3:

Average throughput: 502.72 Mbit/s

95th percentile per-packet one-way delay: 269.535 ms

Loss rate: 2.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-20 07:37:31

End at: 2018-07-20 07:38:01

Local clock offset: -0.11 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-20 12:18:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1122.23 Mbit/s

95th percentile per-packet one-way delay: 224.854 ms

Loss rate: 2.64%

-- Flow 1:

Average throughput: 615.18 Mbit/s

95th percentile per-packet one-way delay: 226.282 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 480.35 Mbit/s

95th percentile per-packet one-way delay: 235.067 ms

Loss rate: 1.36%

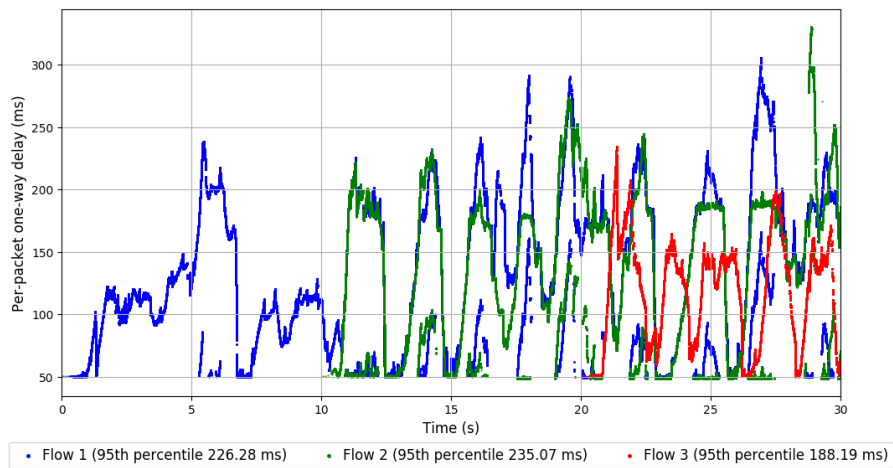
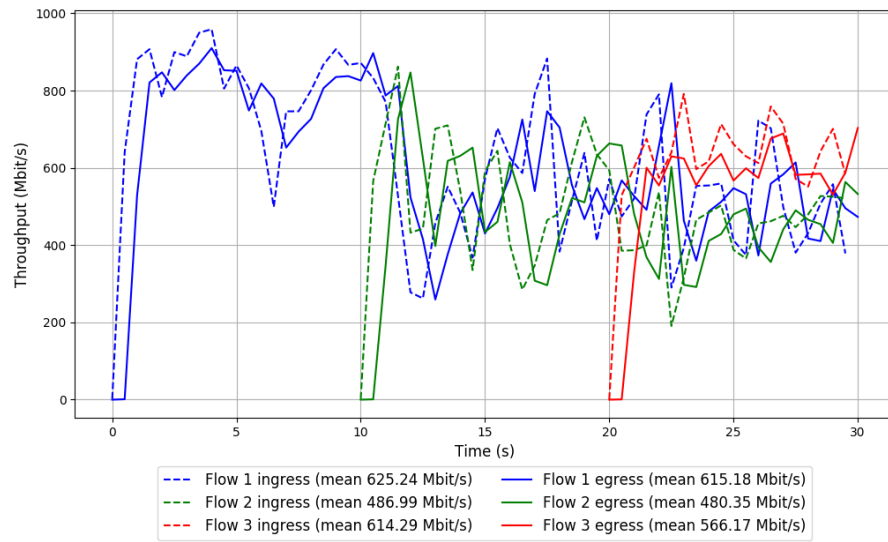
-- Flow 3:

Average throughput: 566.17 Mbit/s

95th percentile per-packet one-way delay: 188.186 ms

Loss rate: 7.84%

Run 2: Report of FillP — Data Link

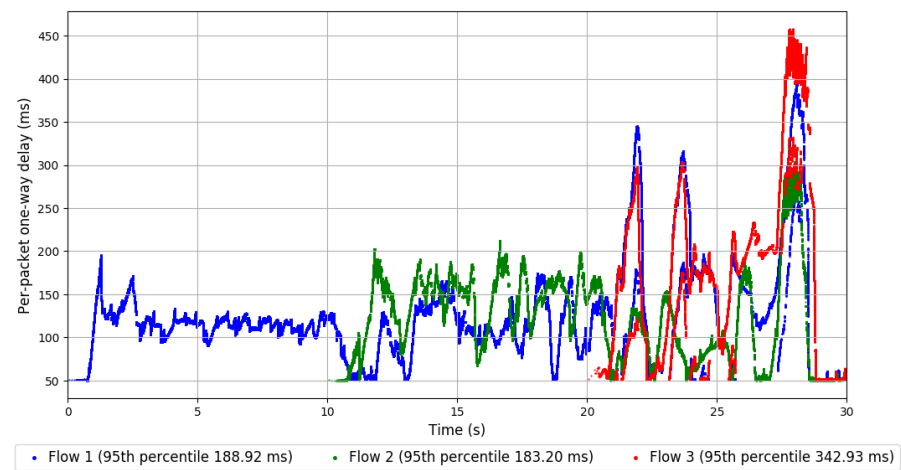
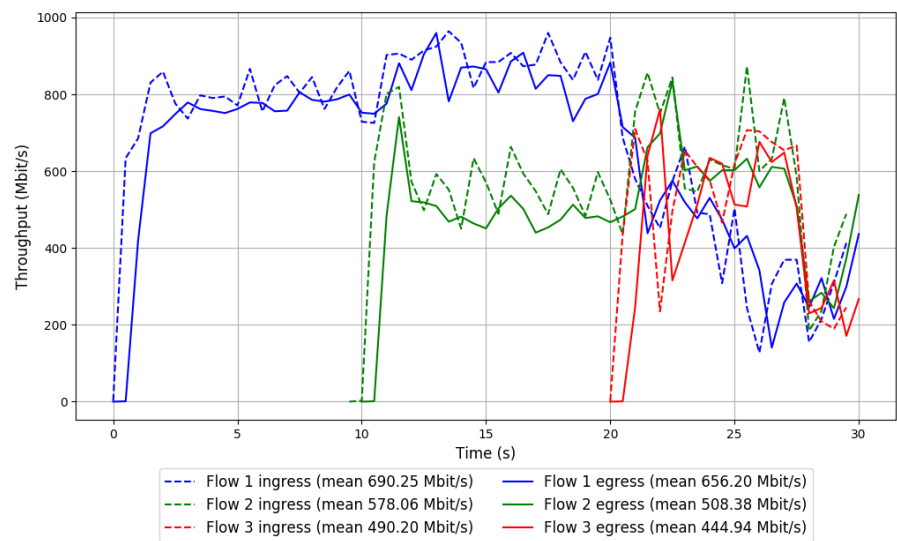


Run 3: Statistics of FillP

Start at: 2018-07-20 08:02:27
End at: 2018-07-20 08:02:57
Local clock offset: -0.448 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-20 12:19:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1142.46 Mbit/s
95th percentile per-packet one-way delay: 229.295 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 656.20 Mbit/s
95th percentile per-packet one-way delay: 188.919 ms
Loss rate: 4.93%
-- Flow 2:
Average throughput: 508.38 Mbit/s
95th percentile per-packet one-way delay: 183.201 ms
Loss rate: 12.04%
-- Flow 3:
Average throughput: 444.94 Mbit/s
95th percentile per-packet one-way delay: 342.931 ms
Loss rate: 9.23%

Run 3: Report of FillP — Data Link

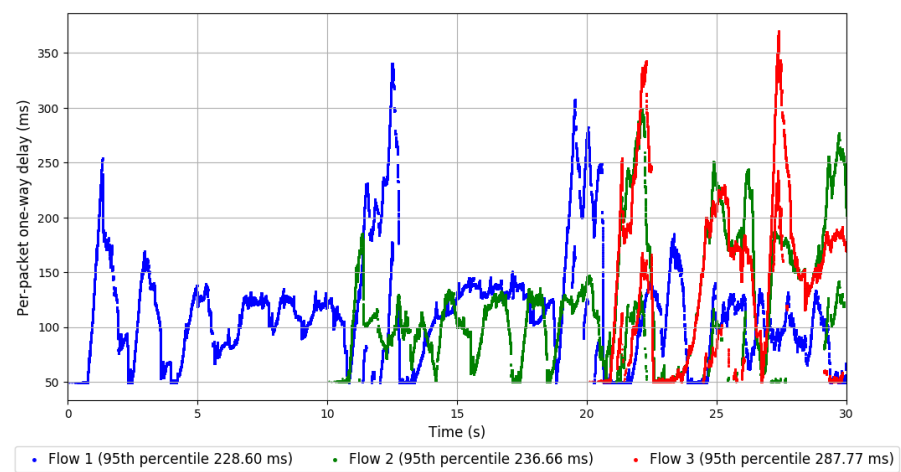
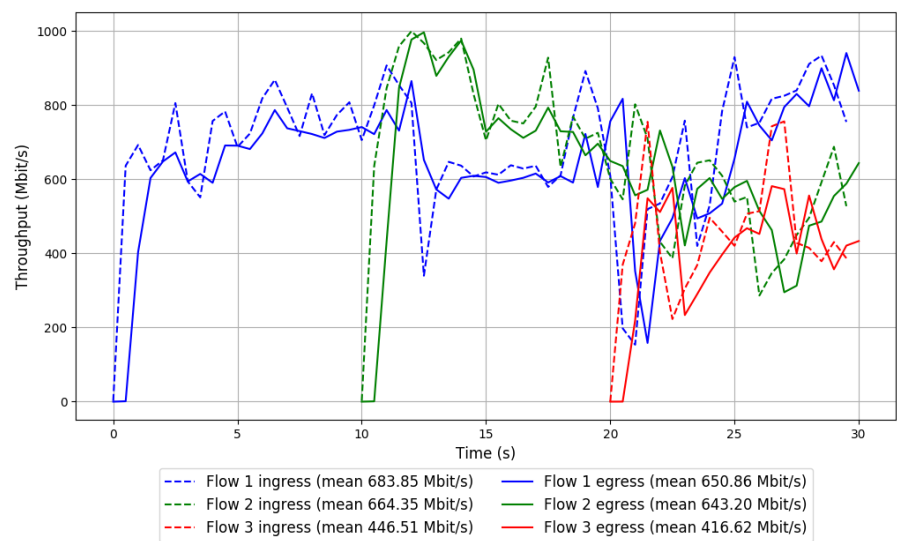


Run 4: Statistics of FillP

Start at: 2018-07-20 08:27:27
End at: 2018-07-20 08:27:57
Local clock offset: 0.21 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-20 12:21:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1216.76 Mbit/s
95th percentile per-packet one-way delay: 239.048 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 650.86 Mbit/s
95th percentile per-packet one-way delay: 228.602 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 643.20 Mbit/s
95th percentile per-packet one-way delay: 236.665 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 416.62 Mbit/s
95th percentile per-packet one-way delay: 287.775 ms
Loss rate: 6.69%

Run 4: Report of FillP — Data Link

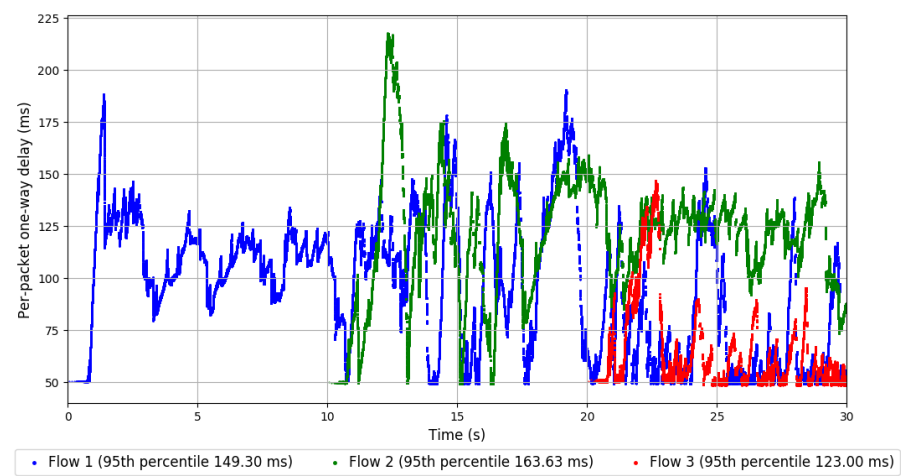
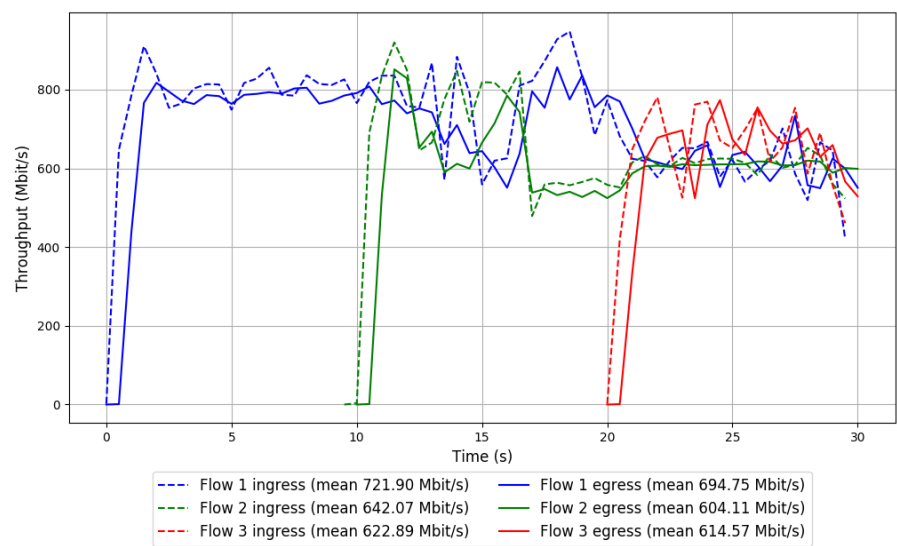


Run 5: Statistics of FillP

Start at: 2018-07-20 08:52:24
End at: 2018-07-20 08:52:54
Local clock offset: 0.283 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-20 12:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1300.87 Mbit/s
95th percentile per-packet one-way delay: 151.476 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 694.75 Mbit/s
95th percentile per-packet one-way delay: 149.300 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 604.11 Mbit/s
95th percentile per-packet one-way delay: 163.629 ms
Loss rate: 5.91%
-- Flow 3:
Average throughput: 614.57 Mbit/s
95th percentile per-packet one-way delay: 123.002 ms
Loss rate: 1.34%

Run 5: Report of FillP — Data Link

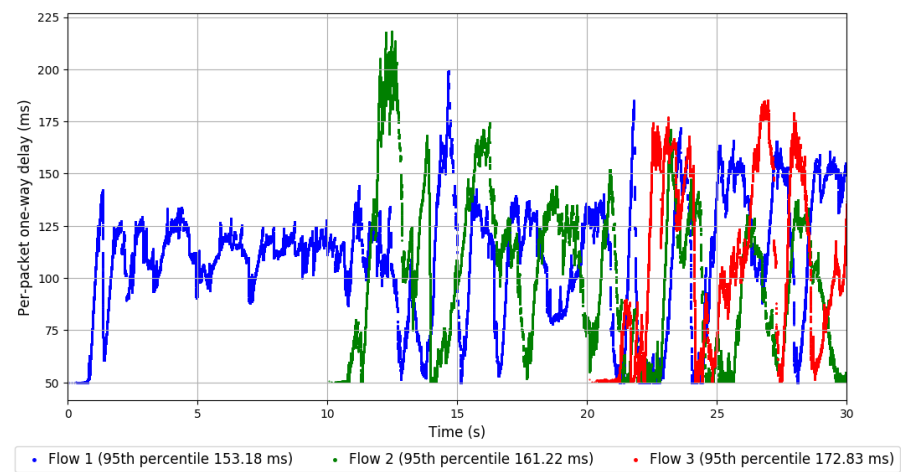
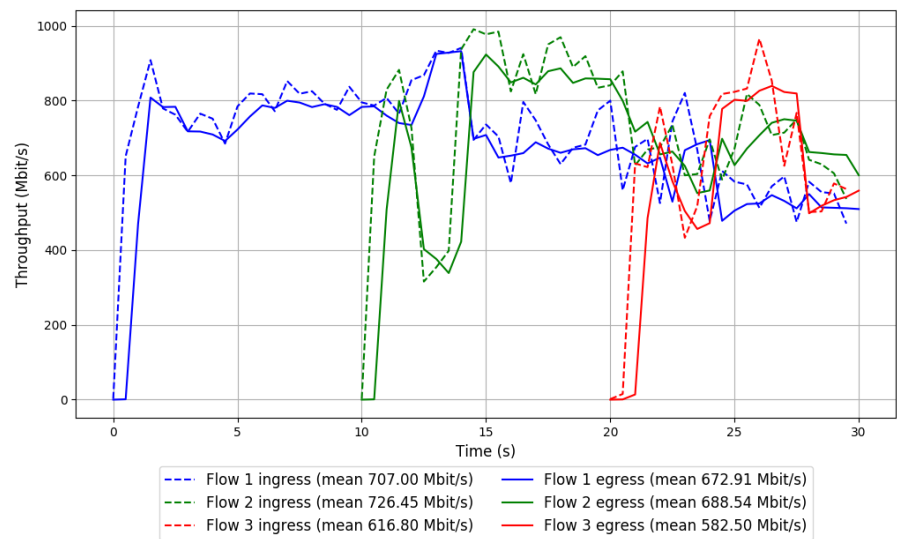


Run 6: Statistics of FillP

Start at: 2018-07-20 09:17:45
End at: 2018-07-20 09:18:15
Local clock offset: 0.348 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-20 12:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1323.92 Mbit/s
95th percentile per-packet one-way delay: 160.370 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 672.91 Mbit/s
95th percentile per-packet one-way delay: 153.180 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 688.54 Mbit/s
95th percentile per-packet one-way delay: 161.217 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 582.50 Mbit/s
95th percentile per-packet one-way delay: 172.831 ms
Loss rate: 5.56%

Run 6: Report of FillP — Data Link

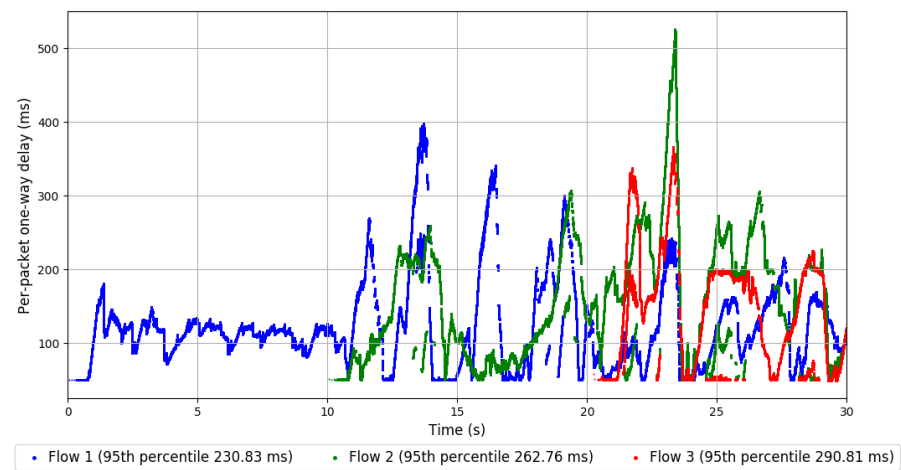
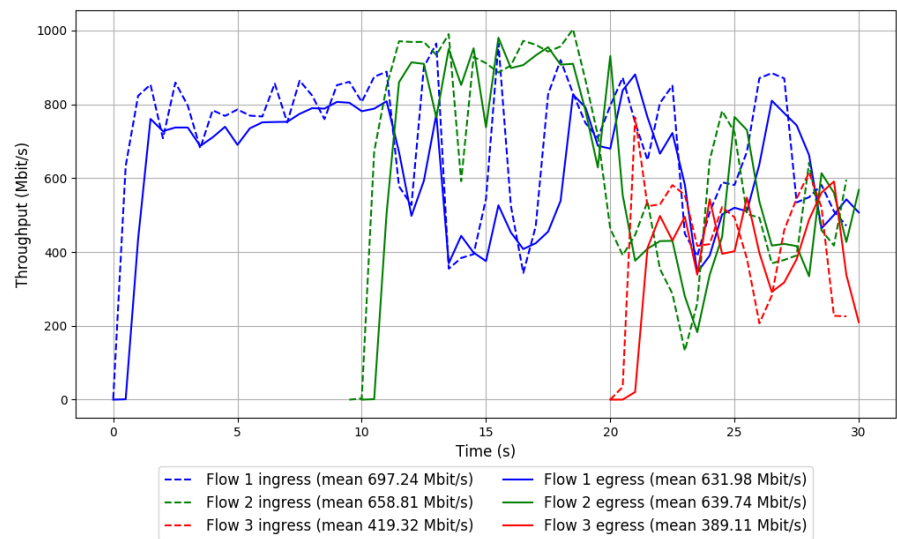


Run 7: Statistics of FillP

Start at: 2018-07-20 09:42:39
End at: 2018-07-20 09:43:09
Local clock offset: -0.081 ms
Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-20 12:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1185.86 Mbit/s
95th percentile per-packet one-way delay: 255.012 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 631.98 Mbit/s
95th percentile per-packet one-way delay: 230.832 ms
Loss rate: 9.36%
-- Flow 2:
Average throughput: 639.74 Mbit/s
95th percentile per-packet one-way delay: 262.759 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 389.11 Mbit/s
95th percentile per-packet one-way delay: 290.807 ms
Loss rate: 7.81%

Run 7: Report of FillP — Data Link

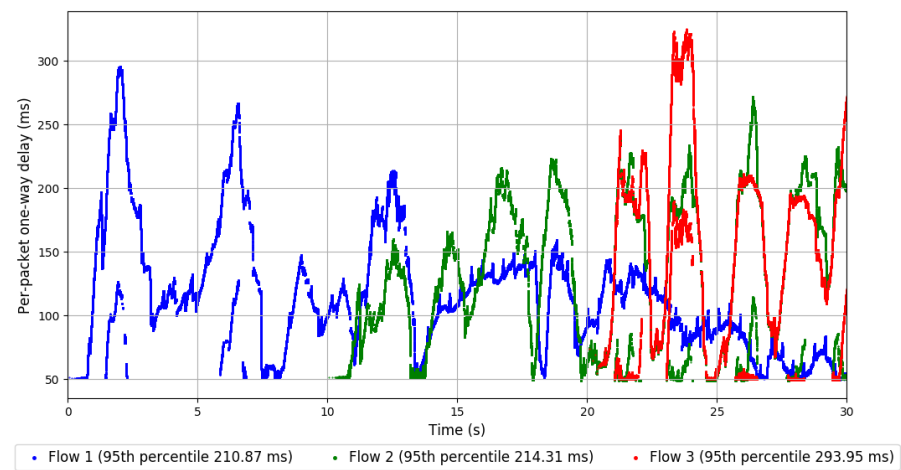
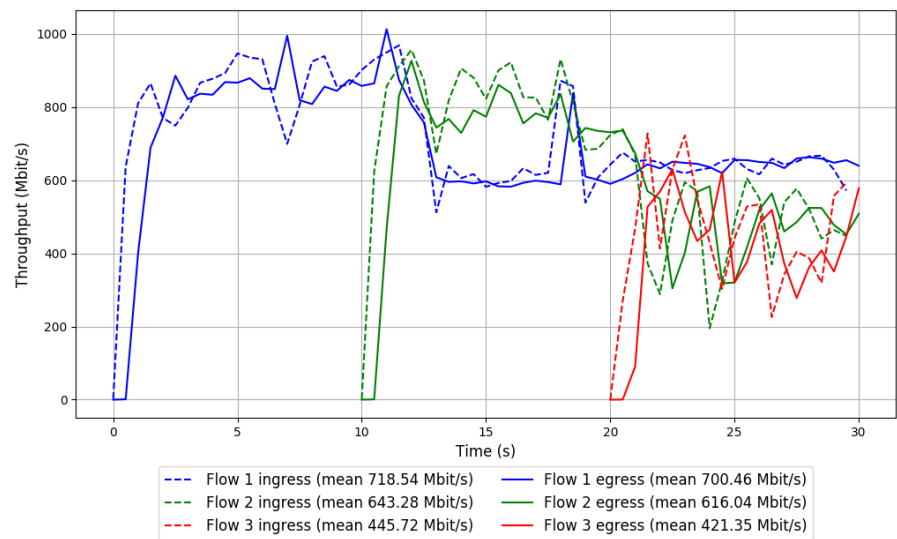


Run 8: Statistics of FillP

Start at: 2018-07-20 10:07:30
End at: 2018-07-20 10:08:00
Local clock offset: -0.536 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-20 12:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1249.61 Mbit/s
95th percentile per-packet one-way delay: 218.313 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 700.46 Mbit/s
95th percentile per-packet one-way delay: 210.873 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 616.04 Mbit/s
95th percentile per-packet one-way delay: 214.307 ms
Loss rate: 4.22%
-- Flow 3:
Average throughput: 421.35 Mbit/s
95th percentile per-packet one-way delay: 293.946 ms
Loss rate: 5.66%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-20 10:32:20

End at: 2018-07-20 10:32:50

Local clock offset: -0.616 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-20 12:34:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1016.61 Mbit/s

95th percentile per-packet one-way delay: 299.830 ms

Loss rate: 3.76%

-- Flow 1:

Average throughput: 532.96 Mbit/s

95th percentile per-packet one-way delay: 306.853 ms

Loss rate: 5.58%

-- Flow 2:

Average throughput: 421.81 Mbit/s

95th percentile per-packet one-way delay: 304.813 ms

Loss rate: 1.63%

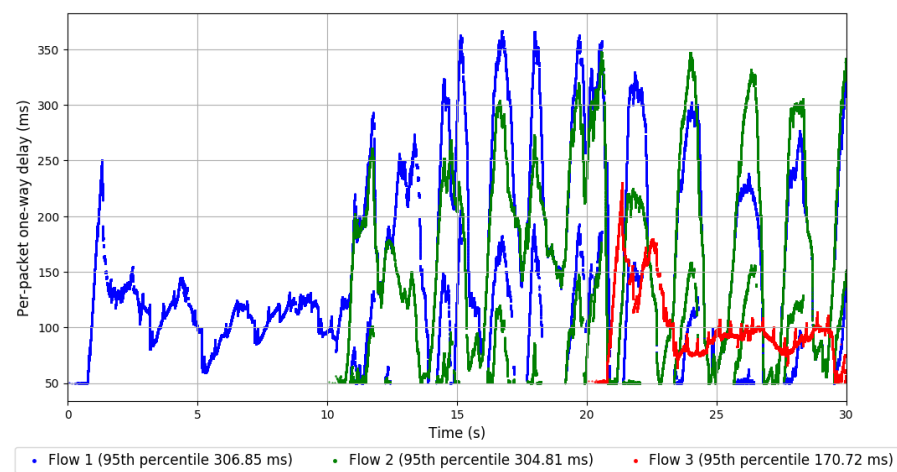
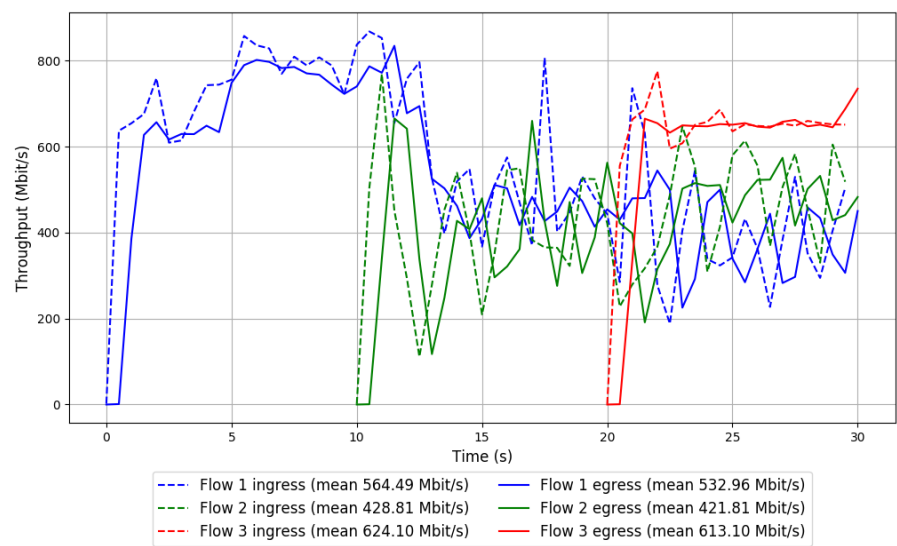
-- Flow 3:

Average throughput: 613.10 Mbit/s

95th percentile per-packet one-way delay: 170.721 ms

Loss rate: 1.74%

Run 9: Report of FillP — Data Link

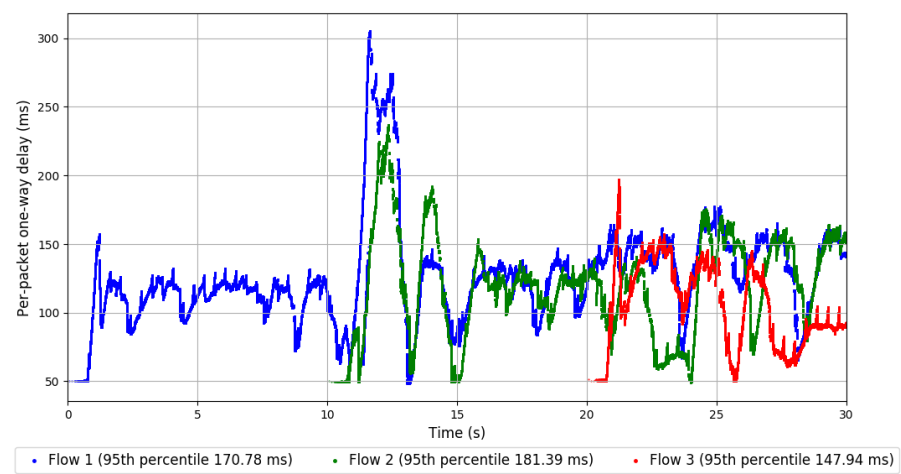
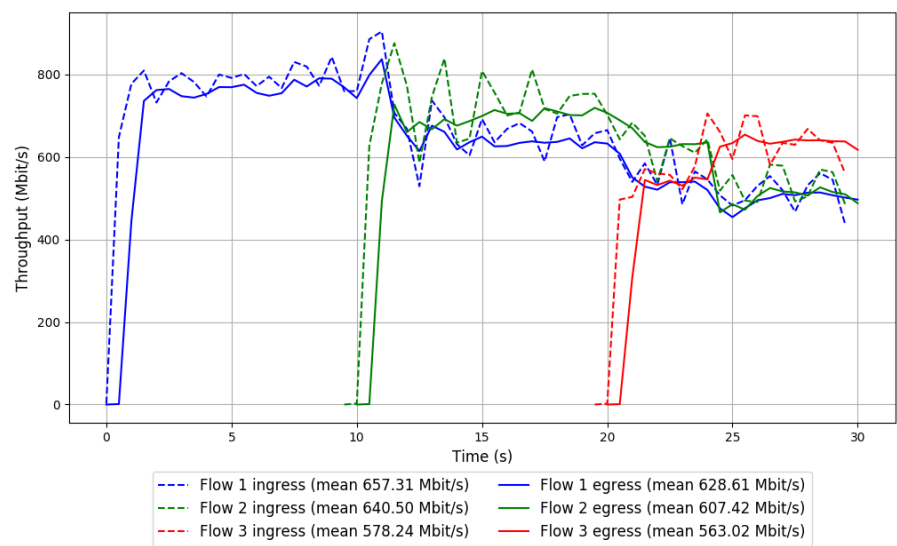


Run 10: Statistics of FillP

Start at: 2018-07-20 10:57:08
End at: 2018-07-20 10:57:38
Local clock offset: 0.11 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 12:42:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1220.13 Mbit/s
95th percentile per-packet one-way delay: 173.205 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 628.61 Mbit/s
95th percentile per-packet one-way delay: 170.775 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 607.42 Mbit/s
95th percentile per-packet one-way delay: 181.391 ms
Loss rate: 5.17%
-- Flow 3:
Average throughput: 563.02 Mbit/s
95th percentile per-packet one-way delay: 147.938 ms
Loss rate: 2.67%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 07:26:11

End at: 2018-07-20 07:26:41

Local clock offset: 0.273 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-20 12:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 1355.48 Mbit/s

95th percentile per-packet one-way delay: 134.845 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 722.62 Mbit/s

95th percentile per-packet one-way delay: 142.304 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 653.20 Mbit/s

95th percentile per-packet one-way delay: 132.022 ms

Loss rate: 1.20%

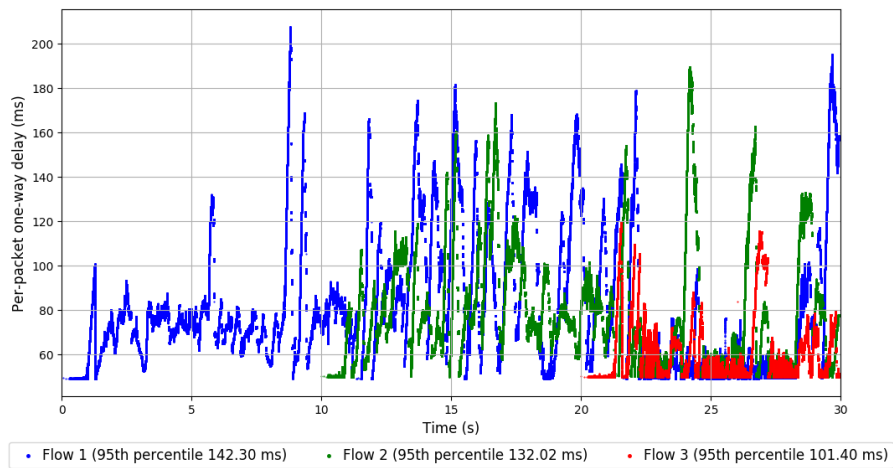
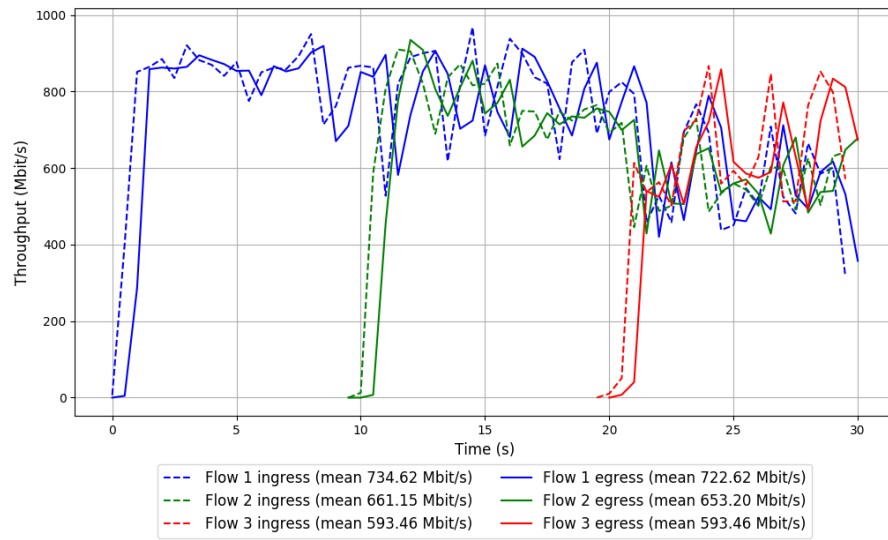
-- Flow 3:

Average throughput: 593.46 Mbit/s

95th percentile per-packet one-way delay: 101.397 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

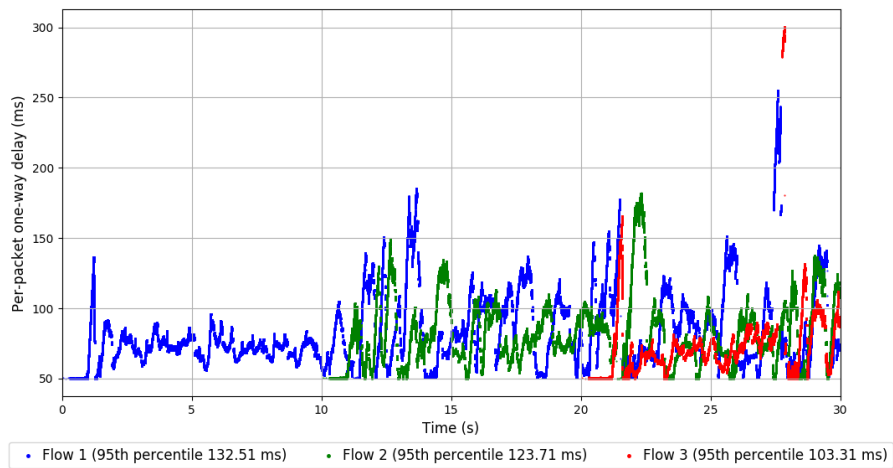
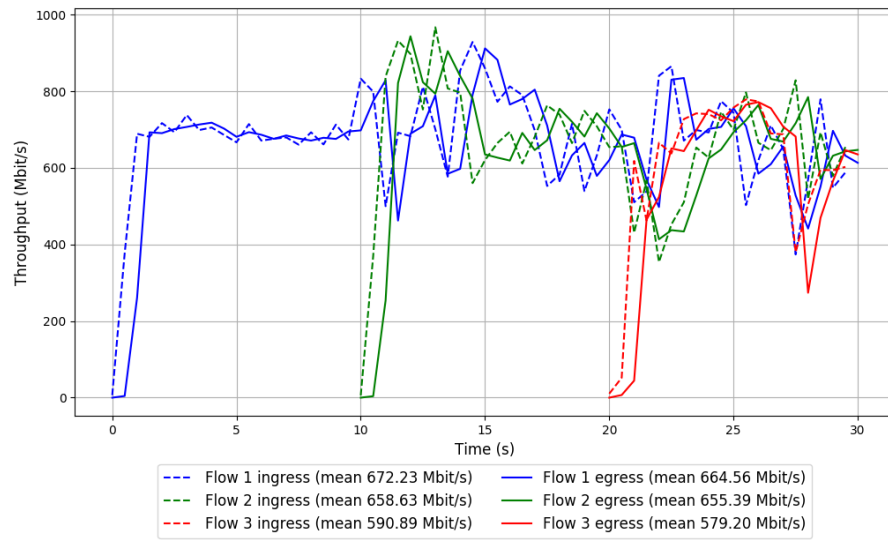


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 07:51:22
End at: 2018-07-20 07:51:52
Local clock offset: 0.236 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-20 12:46:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1292.99 Mbit/s
95th percentile per-packet one-way delay: 126.719 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 664.56 Mbit/s
95th percentile per-packet one-way delay: 132.506 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 655.39 Mbit/s
95th percentile per-packet one-way delay: 123.708 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 579.20 Mbit/s
95th percentile per-packet one-way delay: 103.307 ms
Loss rate: 1.96%

Run 2: Report of FillP-Sheep — Data Link

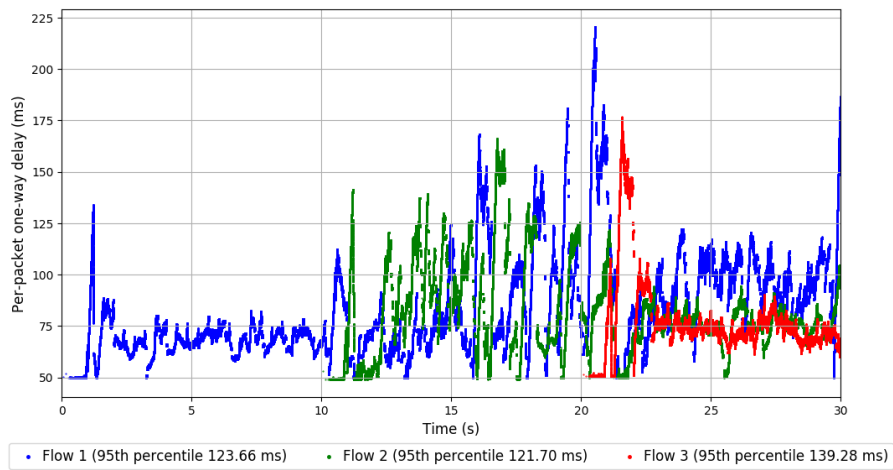
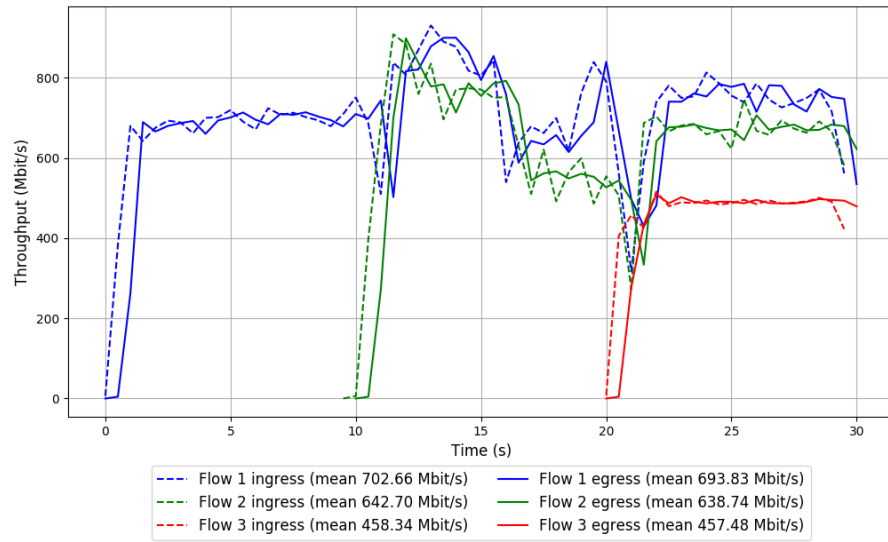


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 08:16:20
End at: 2018-07-20 08:16:50
Local clock offset: -0.483 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-20 12:47:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1270.76 Mbit/s
95th percentile per-packet one-way delay: 122.828 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 693.83 Mbit/s
95th percentile per-packet one-way delay: 123.660 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 638.74 Mbit/s
95th percentile per-packet one-way delay: 121.703 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 457.48 Mbit/s
95th percentile per-packet one-way delay: 139.285 ms
Loss rate: 0.18%

Run 3: Report of FillP-Sheep — Data Link

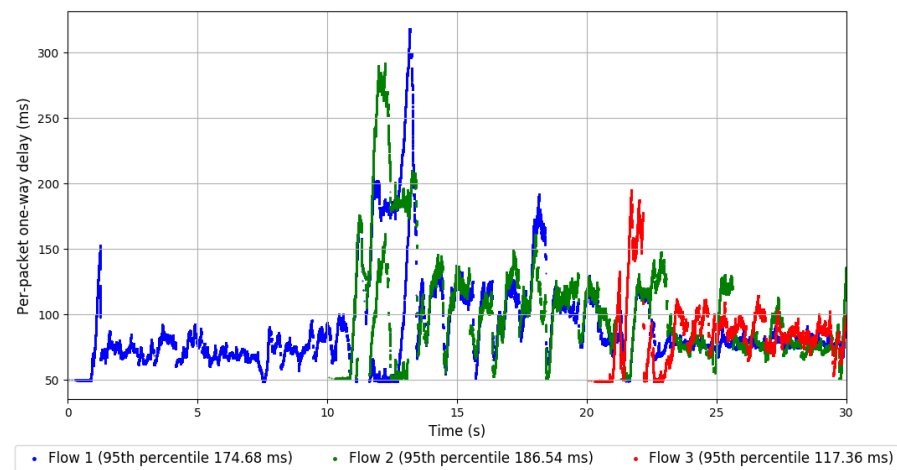
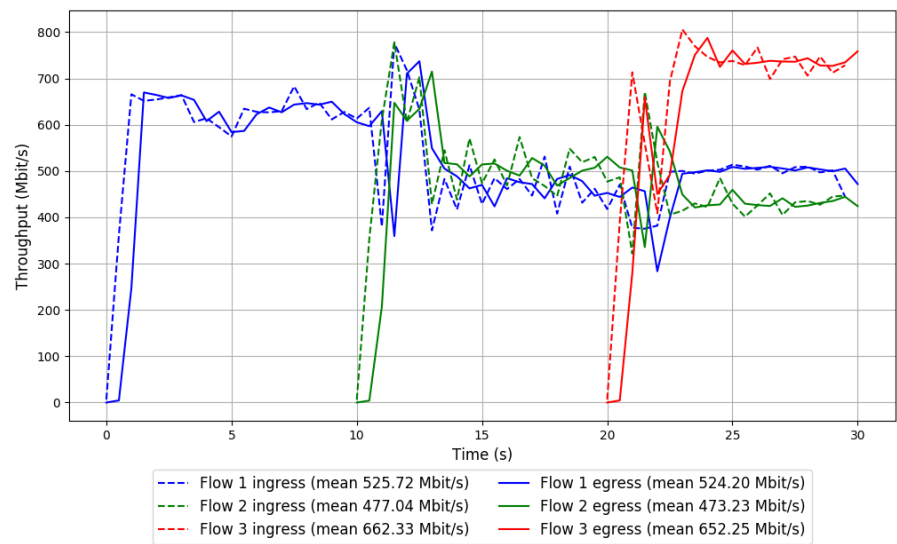


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 08:41:22
End at: 2018-07-20 08:41:52
Local clock offset: -0.149 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-20 12:47:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1055.38 Mbit/s
95th percentile per-packet one-way delay: 174.729 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 524.20 Mbit/s
95th percentile per-packet one-way delay: 174.684 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 473.23 Mbit/s
95th percentile per-packet one-way delay: 186.540 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 652.25 Mbit/s
95th percentile per-packet one-way delay: 117.355 ms
Loss rate: 1.47%

Run 4: Report of FillP-Sheep — Data Link

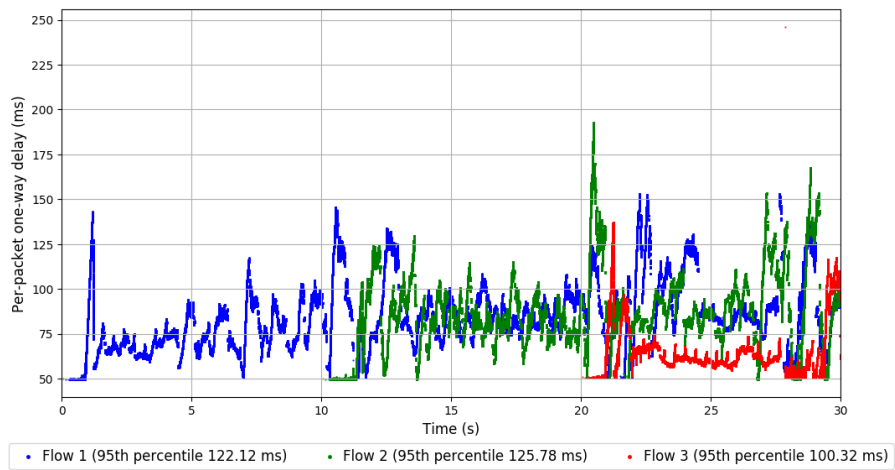
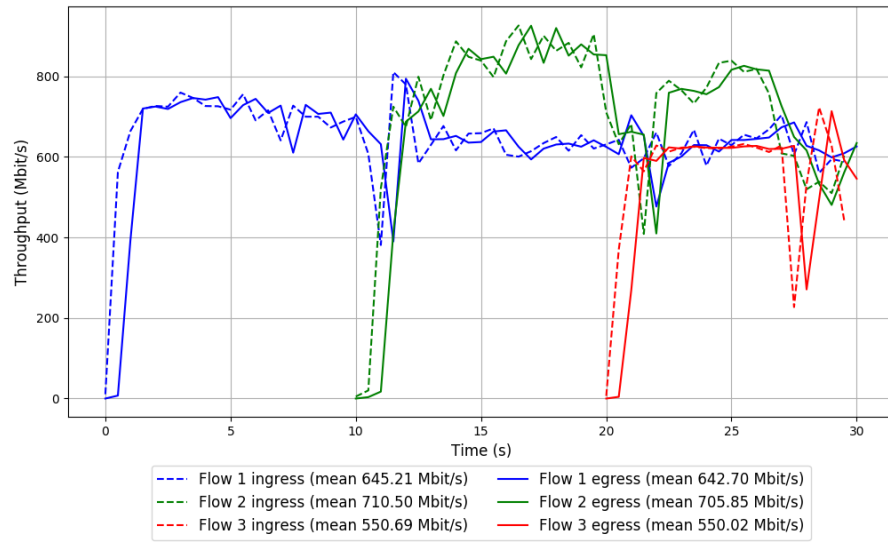


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 09:06:32
End at: 2018-07-20 09:07:02
Local clock offset: -0.029 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-20 12:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1294.99 Mbit/s
95th percentile per-packet one-way delay: 121.625 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 642.70 Mbit/s
95th percentile per-packet one-way delay: 122.118 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 705.85 Mbit/s
95th percentile per-packet one-way delay: 125.785 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 550.02 Mbit/s
95th percentile per-packet one-way delay: 100.316 ms
Loss rate: 0.11%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 09:31:41

End at: 2018-07-20 09:32:11

Local clock offset: 0.256 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-20 12:49:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 1151.08 Mbit/s

95th percentile per-packet one-way delay: 117.899 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 661.09 Mbit/s

95th percentile per-packet one-way delay: 118.662 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 440.09 Mbit/s

95th percentile per-packet one-way delay: 122.198 ms

Loss rate: 0.66%

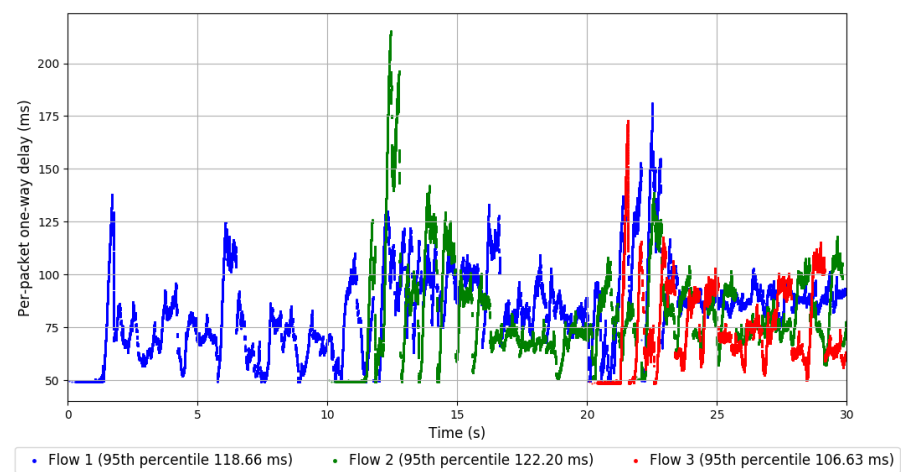
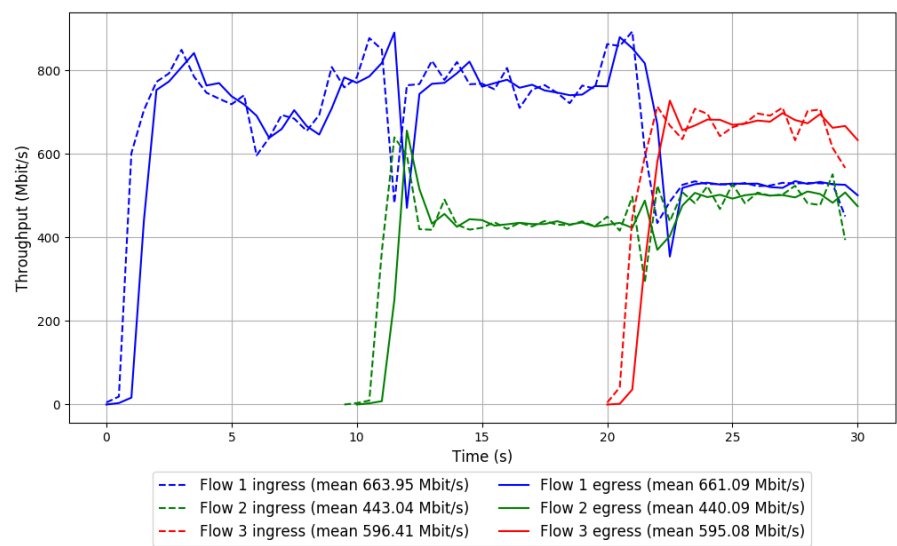
-- Flow 3:

Average throughput: 595.08 Mbit/s

95th percentile per-packet one-way delay: 106.631 ms

Loss rate: 0.22%

Run 6: Report of FillP-Sheep — Data Link

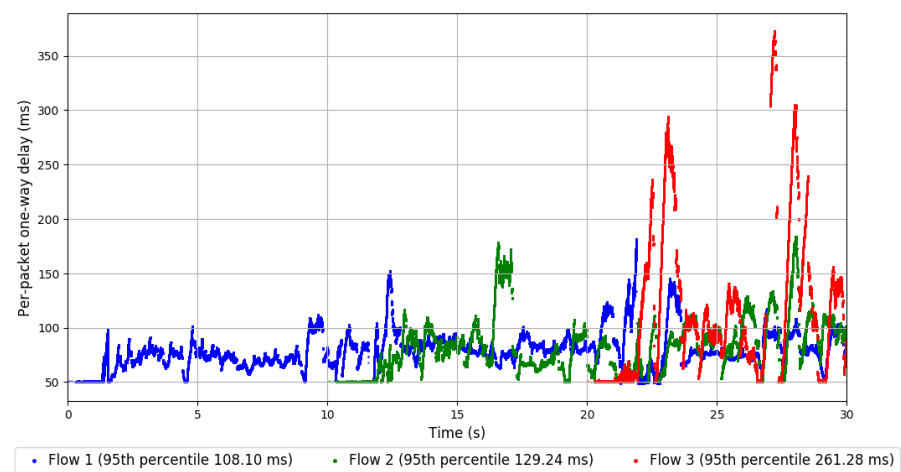
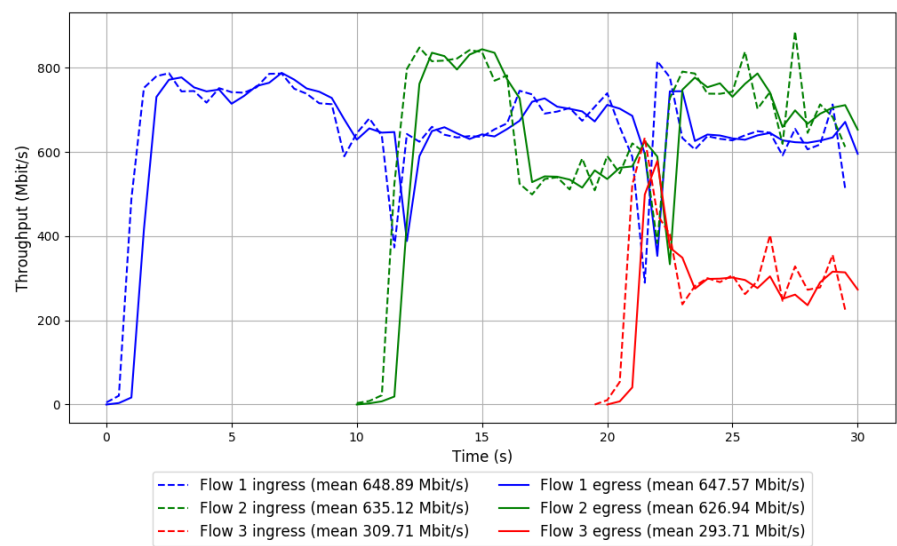


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 09:56:31
End at: 2018-07-20 09:57:01
Local clock offset: -0.104 ms
Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 13:01:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1162.35 Mbit/s
95th percentile per-packet one-way delay: 131.719 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 647.57 Mbit/s
95th percentile per-packet one-way delay: 108.103 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 626.94 Mbit/s
95th percentile per-packet one-way delay: 129.237 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 293.71 Mbit/s
95th percentile per-packet one-way delay: 261.282 ms
Loss rate: 5.14%

Run 7: Report of FillP-Sheep — Data Link

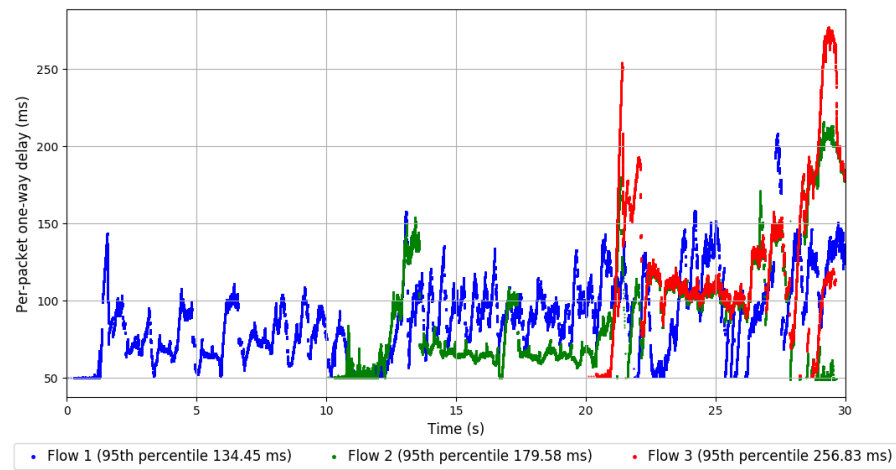
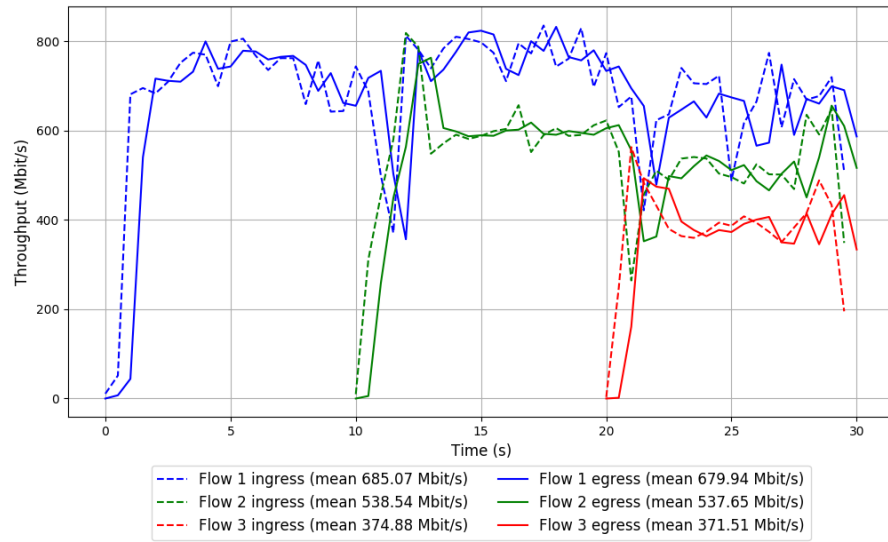


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 10:21:22
End at: 2018-07-20 10:21:52
Local clock offset: -0.23 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-20 13:06:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1160.36 Mbit/s
95th percentile per-packet one-way delay: 165.515 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 679.94 Mbit/s
95th percentile per-packet one-way delay: 134.453 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 537.65 Mbit/s
95th percentile per-packet one-way delay: 179.584 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 371.51 Mbit/s
95th percentile per-packet one-way delay: 256.830 ms
Loss rate: 1.11%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 10:46:00

End at: 2018-07-20 10:46:30

Local clock offset: -0.285 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-20 13:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 1210.04 Mbit/s

95th percentile per-packet one-way delay: 130.028 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 645.12 Mbit/s

95th percentile per-packet one-way delay: 134.785 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 579.61 Mbit/s

95th percentile per-packet one-way delay: 121.783 ms

Loss rate: 0.31%

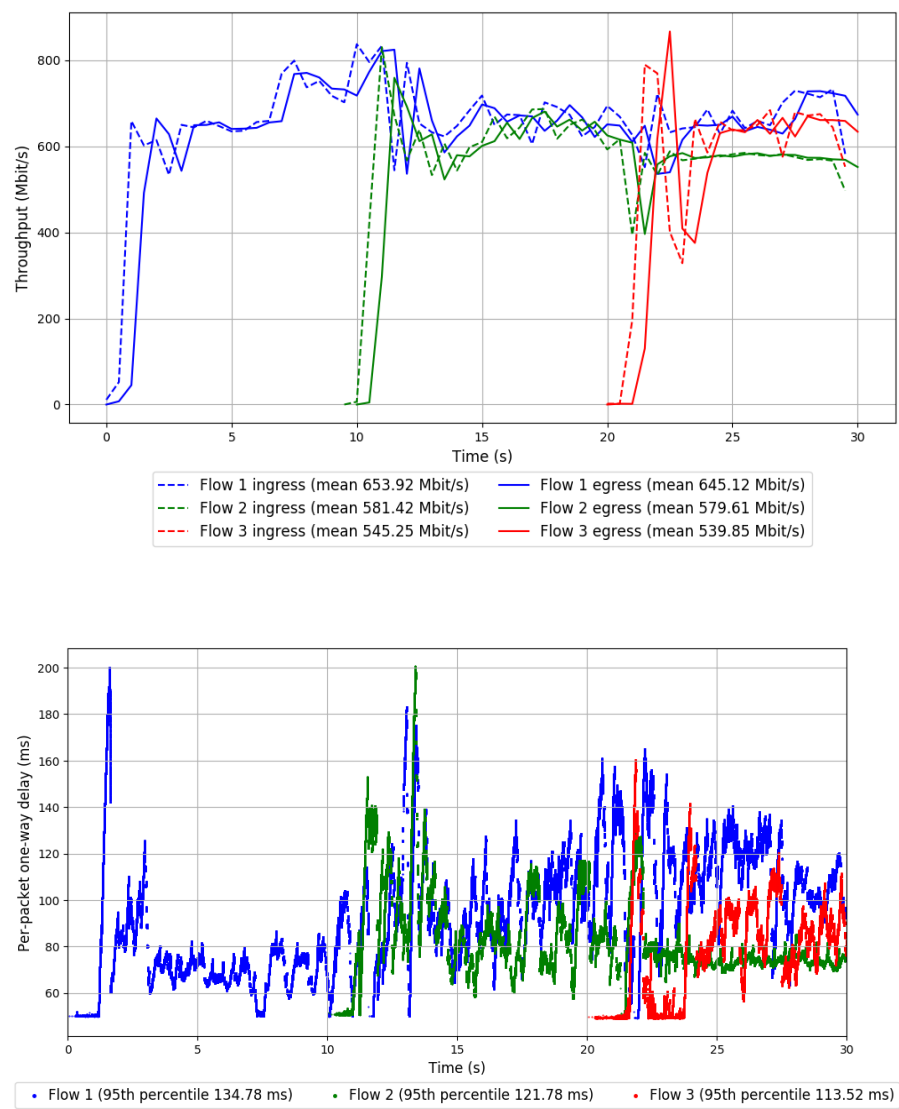
-- Flow 3:

Average throughput: 539.85 Mbit/s

95th percentile per-packet one-way delay: 113.518 ms

Loss rate: 0.88%

Run 9: Report of FillP-Sheep — Data Link

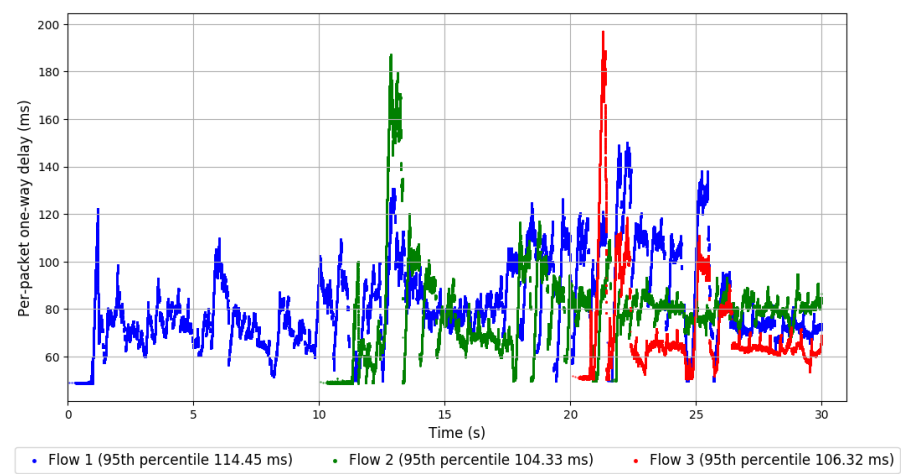
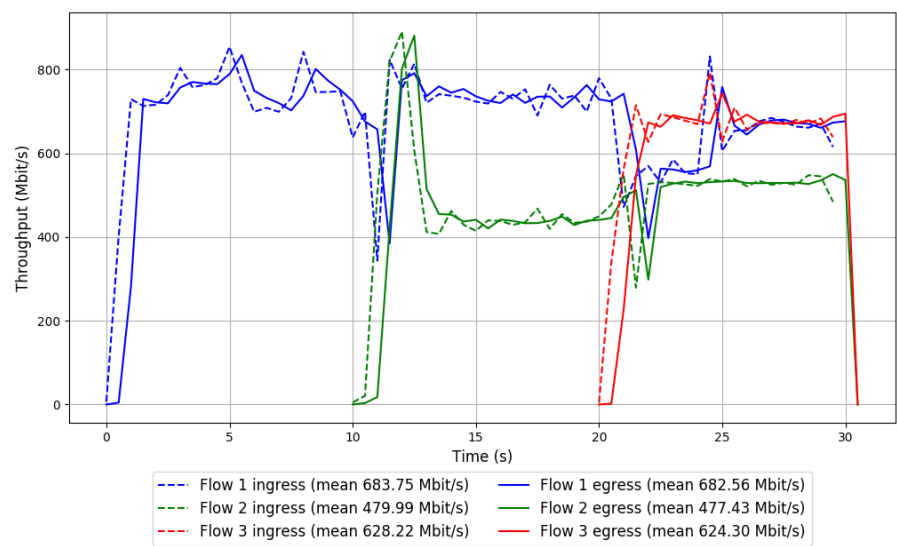


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 11:11:01
End at: 2018-07-20 11:11:31
Local clock offset: -0.246 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-20 13:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1206.85 Mbit/s
95th percentile per-packet one-way delay: 112.276 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 682.56 Mbit/s
95th percentile per-packet one-way delay: 114.446 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 477.43 Mbit/s
95th percentile per-packet one-way delay: 104.328 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 624.30 Mbit/s
95th percentile per-packet one-way delay: 106.318 ms
Loss rate: 0.62%

Run 10: Report of FillP-Sheep — Data Link

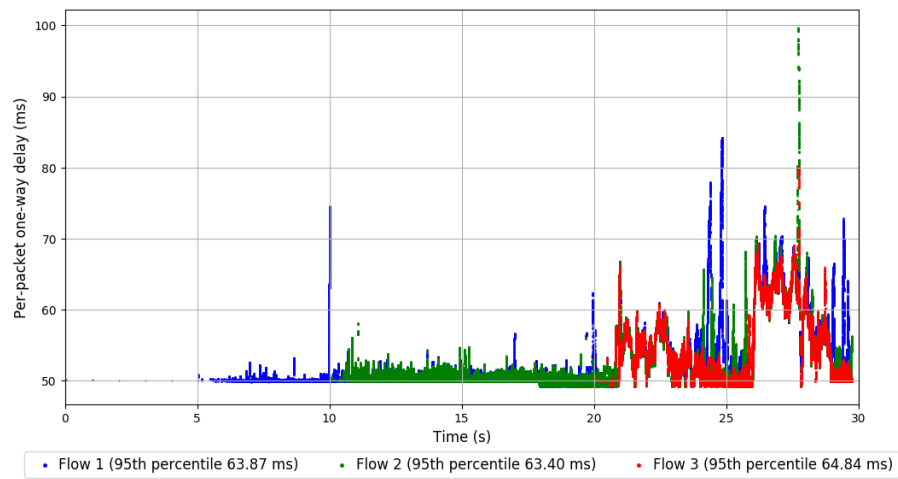
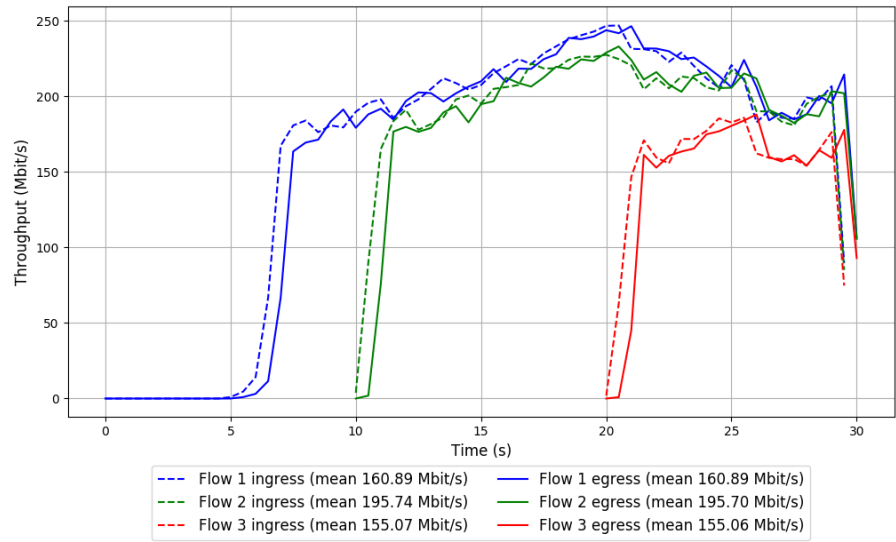


```
Run 1: Statistics of Indigo

Start at: 2018-07-20 07:23:10
End at: 2018-07-20 07:23:40
Local clock offset: 0.205 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-07-20 13:11:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 340.77 Mbit/s
95th percentile per-packet one-way delay: 63.932 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.89 Mbit/s
95th percentile per-packet one-way delay: 63.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.70 Mbit/s
95th percentile per-packet one-way delay: 63.402 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 155.06 Mbit/s
95th percentile per-packet one-way delay: 64.844 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

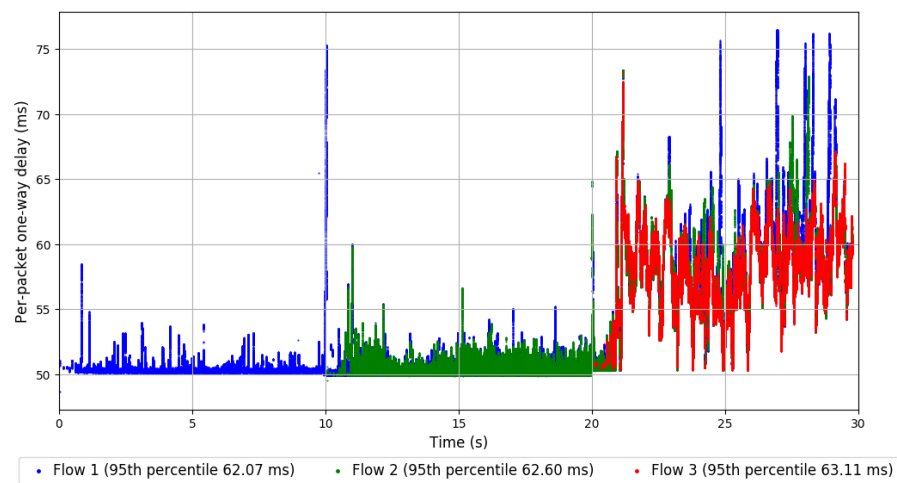
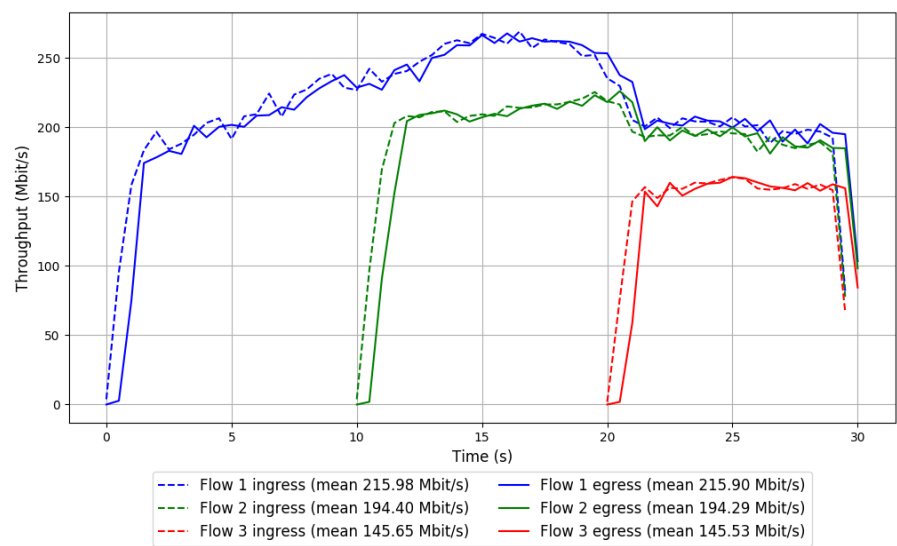


Run 2: Statistics of Indigo

Start at: 2018-07-20 07:48:18
End at: 2018-07-20 07:48:48
Local clock offset: 0.234 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-20 13:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.01 Mbit/s
95th percentile per-packet one-way delay: 62.494 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 215.90 Mbit/s
95th percentile per-packet one-way delay: 62.074 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 194.29 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 145.53 Mbit/s
95th percentile per-packet one-way delay: 63.110 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link

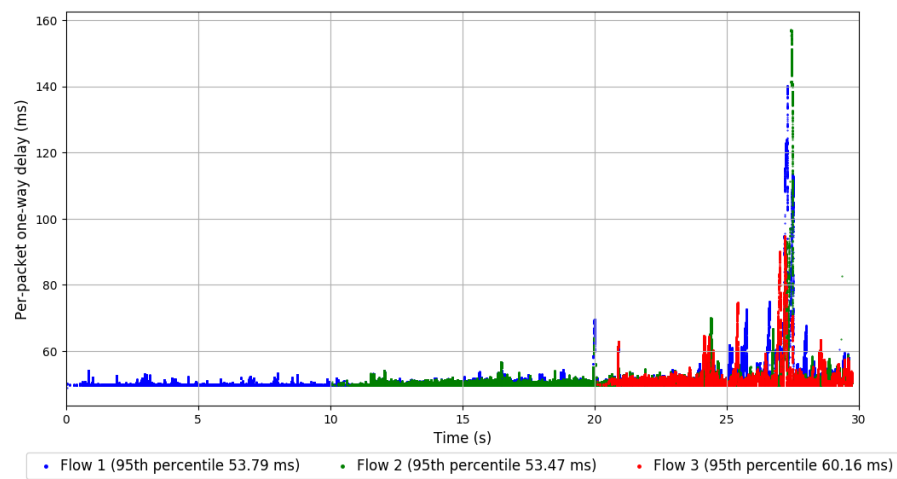
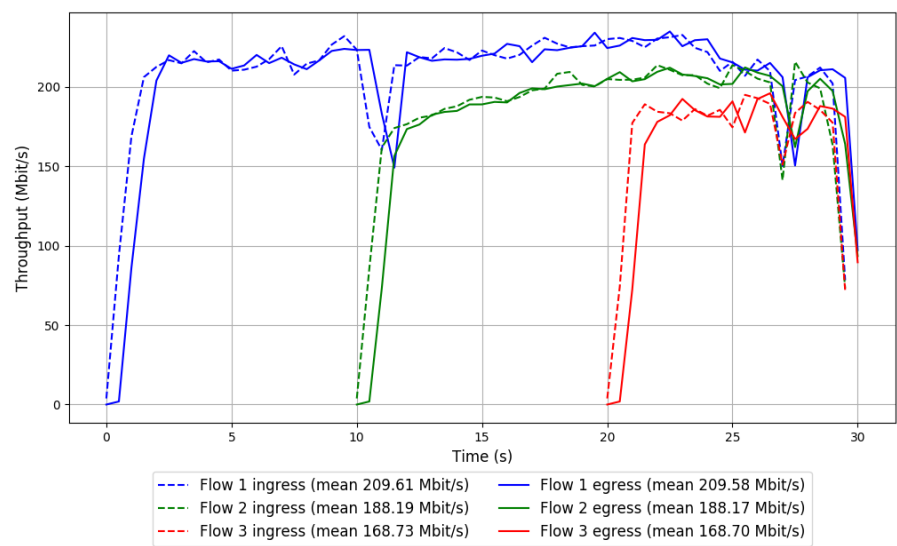


Run 3: Statistics of Indigo

Start at: 2018-07-20 08:13:15
End at: 2018-07-20 08:13:45
Local clock offset: -0.09 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-20 13:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.15 Mbit/s
95th percentile per-packet one-way delay: 54.635 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.58 Mbit/s
95th percentile per-packet one-way delay: 53.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.17 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.70 Mbit/s
95th percentile per-packet one-way delay: 60.158 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

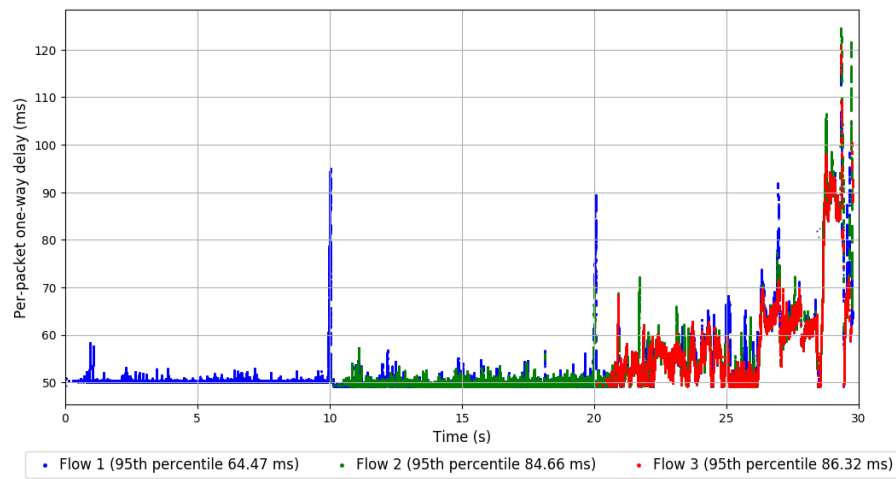
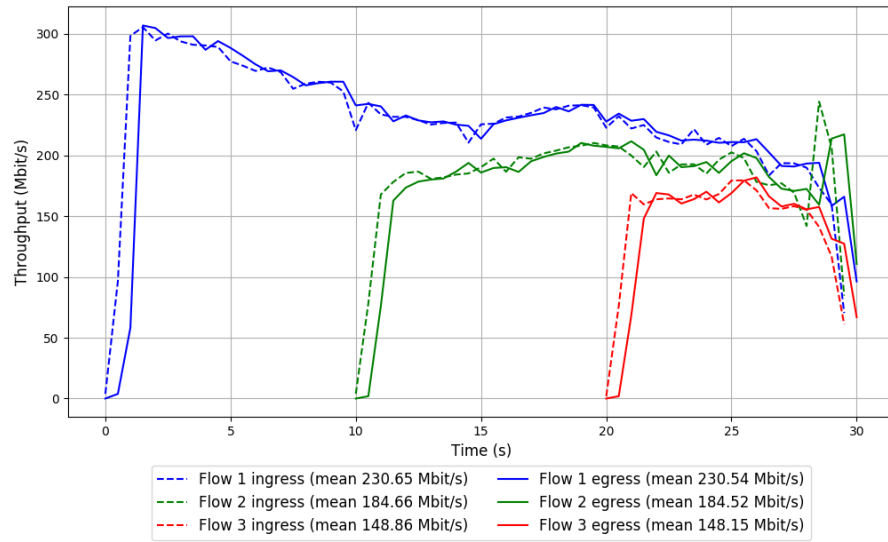


Run 4: Statistics of Indigo

Start at: 2018-07-20 08:38:18
End at: 2018-07-20 08:38:48
Local clock offset: 0.191 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-20 13:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.98 Mbit/s
95th percentile per-packet one-way delay: 68.471 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 230.54 Mbit/s
95th percentile per-packet one-way delay: 64.469 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.52 Mbit/s
95th percentile per-packet one-way delay: 84.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.15 Mbit/s
95th percentile per-packet one-way delay: 86.318 ms
Loss rate: 0.34%

Run 4: Report of Indigo — Data Link

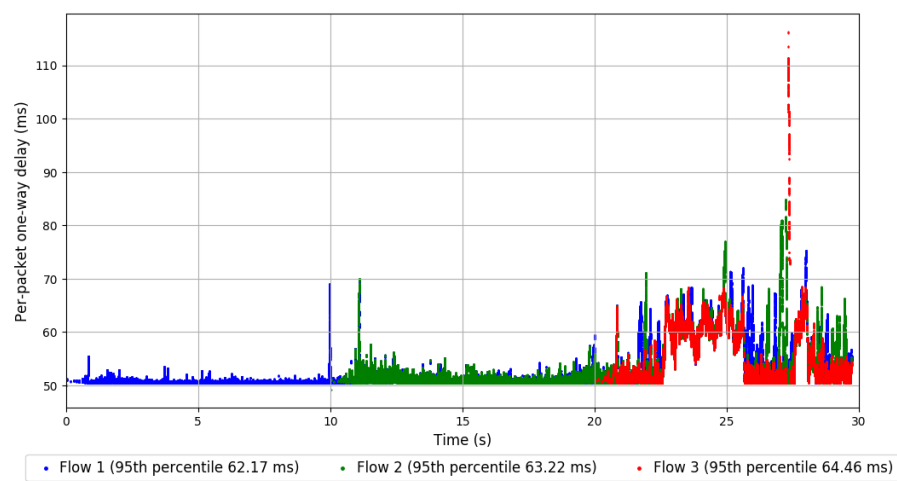
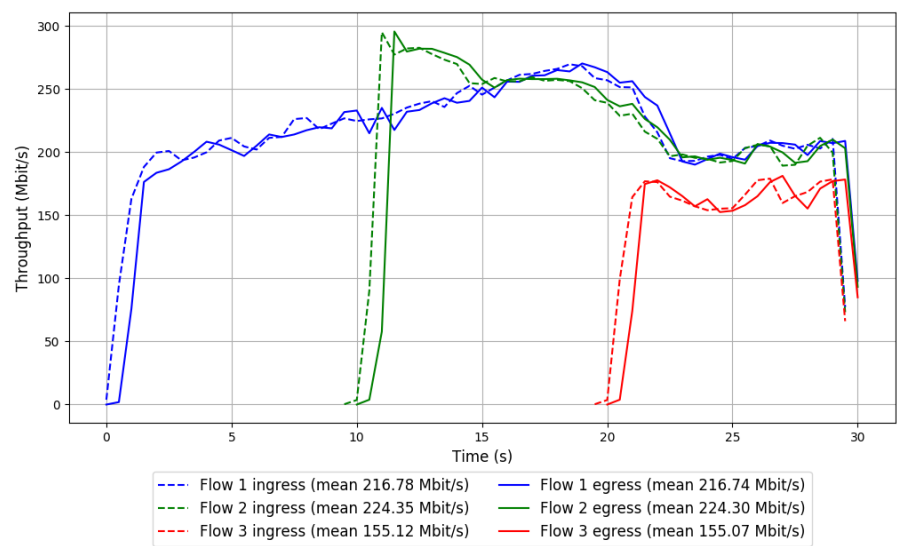


Run 5: Statistics of Indigo

Start at: 2018-07-20 09:03:22
End at: 2018-07-20 09:03:52
Local clock offset: -0.012 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-20 13:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.14 Mbit/s
95th percentile per-packet one-way delay: 63.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 62.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 224.30 Mbit/s
95th percentile per-packet one-way delay: 63.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.07 Mbit/s
95th percentile per-packet one-way delay: 64.459 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

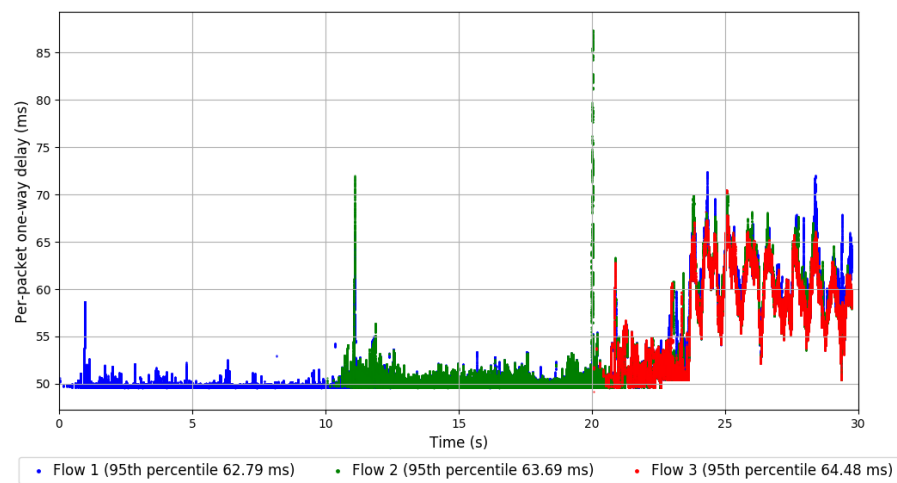
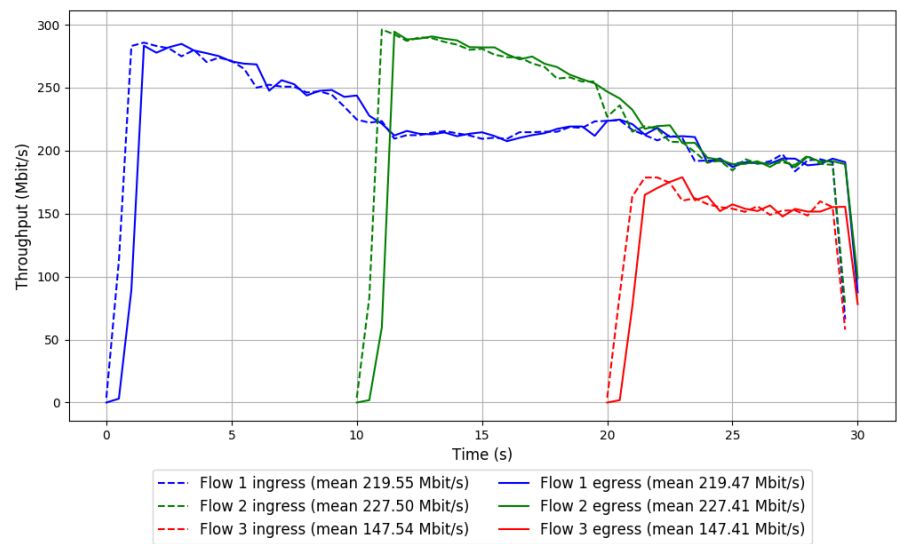


Run 6: Statistics of Indigo

Start at: 2018-07-20 09:28:35
End at: 2018-07-20 09:29:05
Local clock offset: -0.053 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-20 13:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.36 Mbit/s
95th percentile per-packet one-way delay: 63.541 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 219.47 Mbit/s
95th percentile per-packet one-way delay: 62.792 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 63.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.41 Mbit/s
95th percentile per-packet one-way delay: 64.479 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-20 09:53:27

End at: 2018-07-20 09:53:57

Local clock offset: 0.251 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-20 13:11:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.76 Mbit/s

95th percentile per-packet one-way delay: 58.782 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 228.30 Mbit/s

95th percentile per-packet one-way delay: 56.930 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 194.62 Mbit/s

95th percentile per-packet one-way delay: 59.881 ms

Loss rate: 0.02%

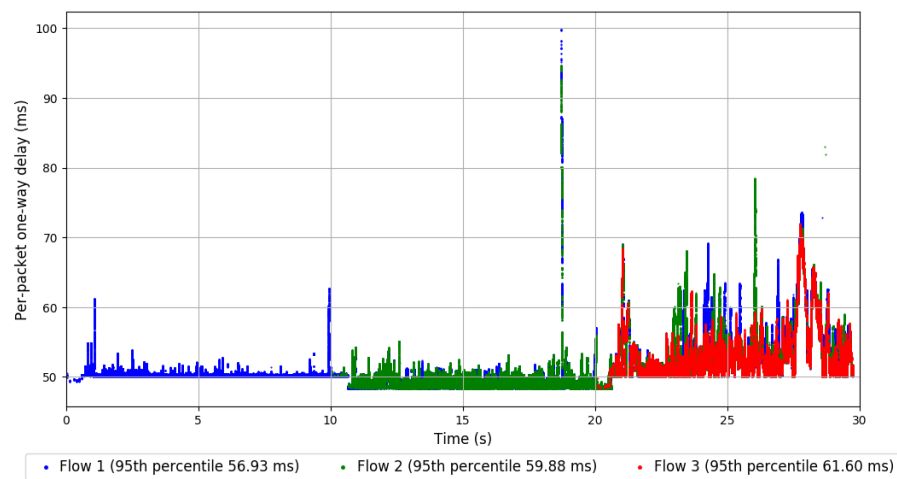
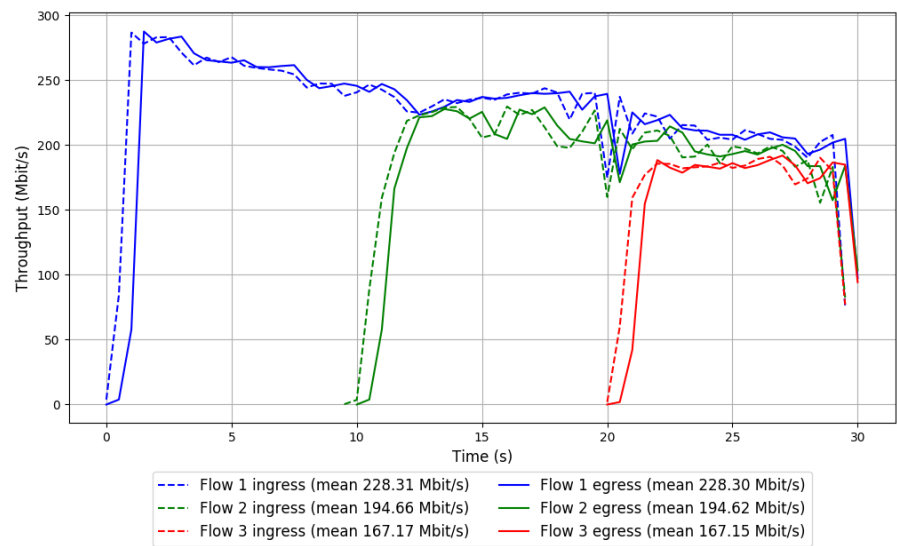
-- Flow 3:

Average throughput: 167.15 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

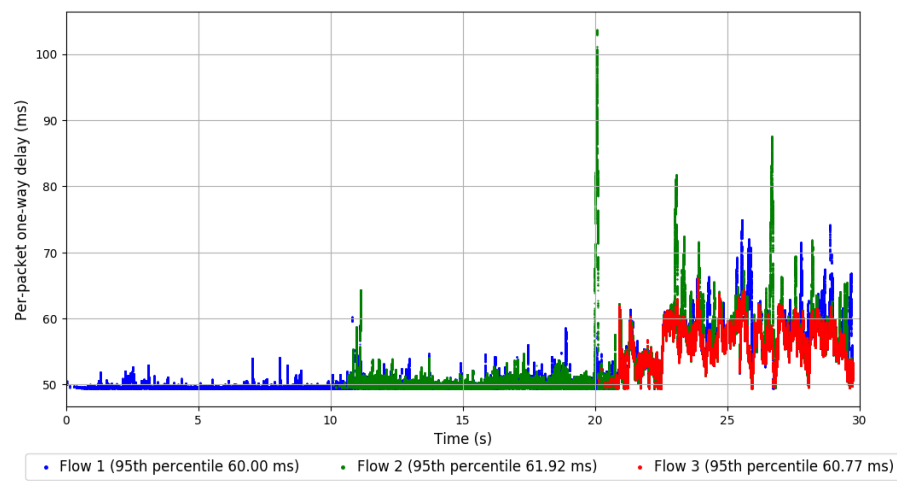
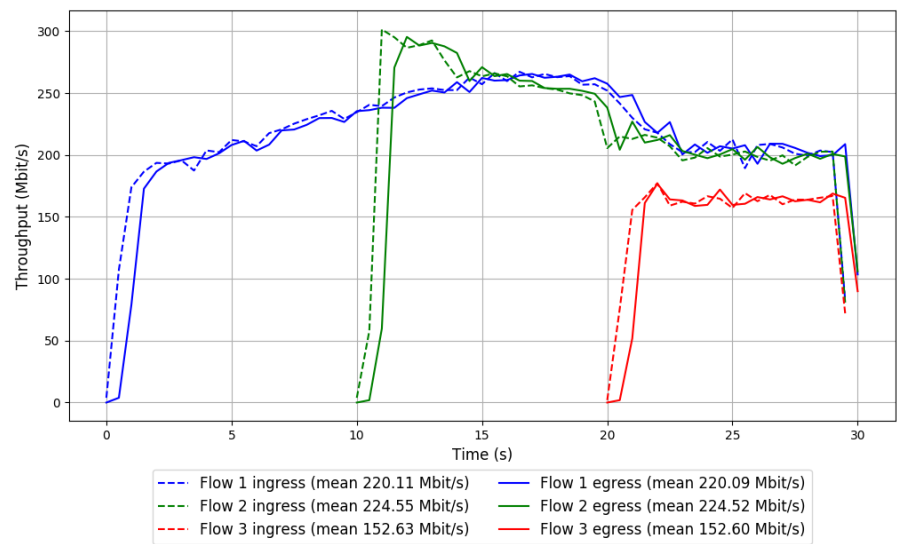


Run 8: Statistics of Indigo

Start at: 2018-07-20 10:18:16
End at: 2018-07-20 10:18:47
Local clock offset: -0.208 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.16 Mbit/s
95th percentile per-packet one-way delay: 60.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.09 Mbit/s
95th percentile per-packet one-way delay: 60.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 224.52 Mbit/s
95th percentile per-packet one-way delay: 61.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.60 Mbit/s
95th percentile per-packet one-way delay: 60.774 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

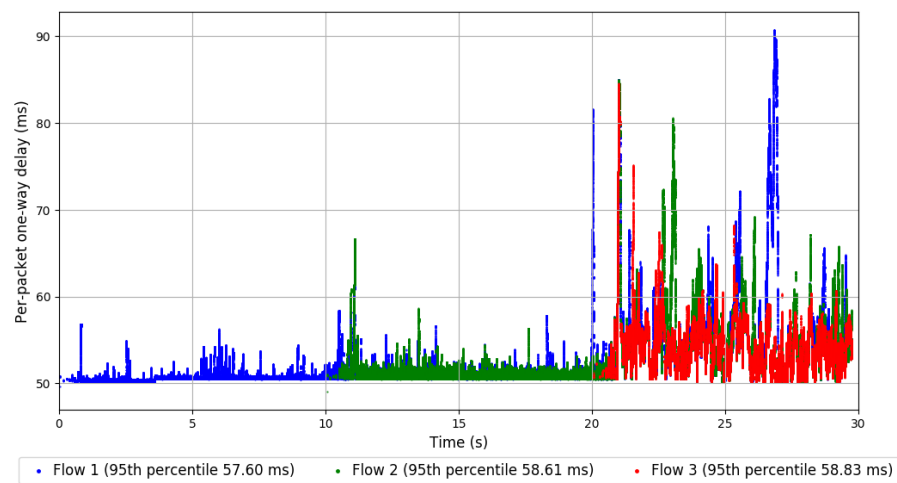
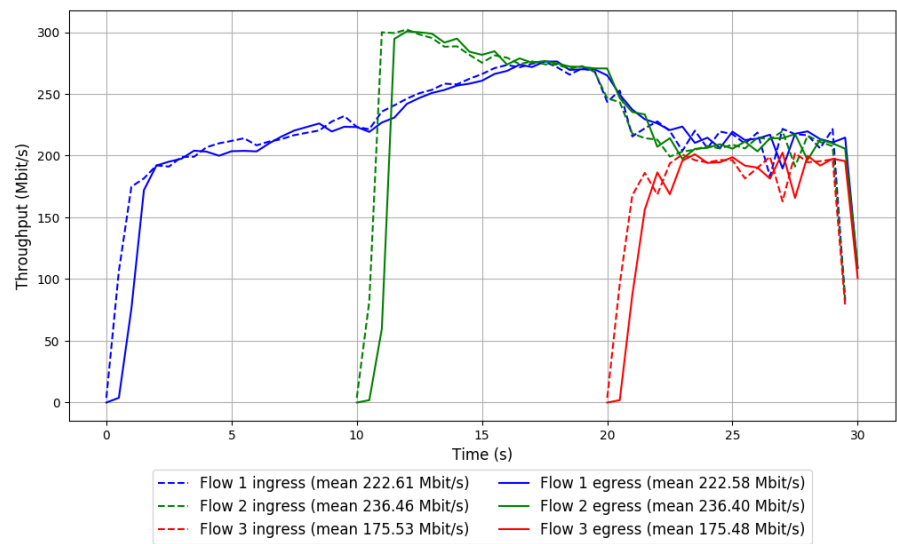


Run 9: Statistics of Indigo

Start at: 2018-07-20 10:42:54
End at: 2018-07-20 10:43:24
Local clock offset: -0.247 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.59 Mbit/s
95th percentile per-packet one-way delay: 58.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.58 Mbit/s
95th percentile per-packet one-way delay: 57.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 236.40 Mbit/s
95th percentile per-packet one-way delay: 58.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.48 Mbit/s
95th percentile per-packet one-way delay: 58.825 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-20 11:07:57

End at: 2018-07-20 11:08:27

Local clock offset: -0.296 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-20 13:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.33 Mbit/s

95th percentile per-packet one-way delay: 63.194 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 210.18 Mbit/s

95th percentile per-packet one-way delay: 60.610 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 202.09 Mbit/s

95th percentile per-packet one-way delay: 65.105 ms

Loss rate: 0.00%

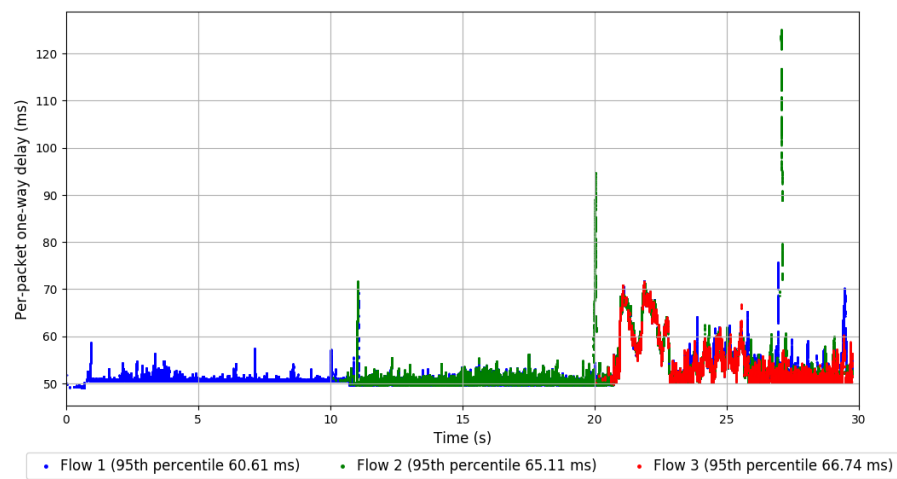
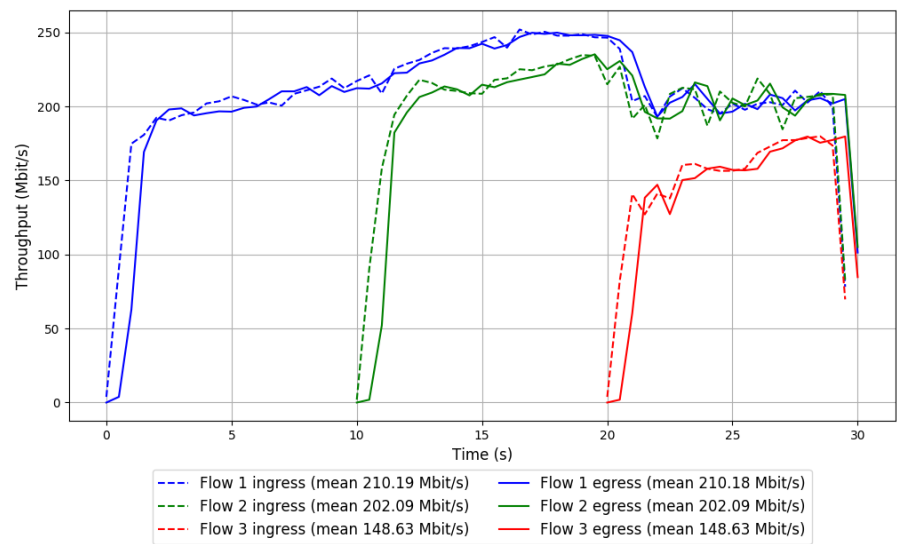
-- Flow 3:

Average throughput: 148.63 Mbit/s

95th percentile per-packet one-way delay: 66.739 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

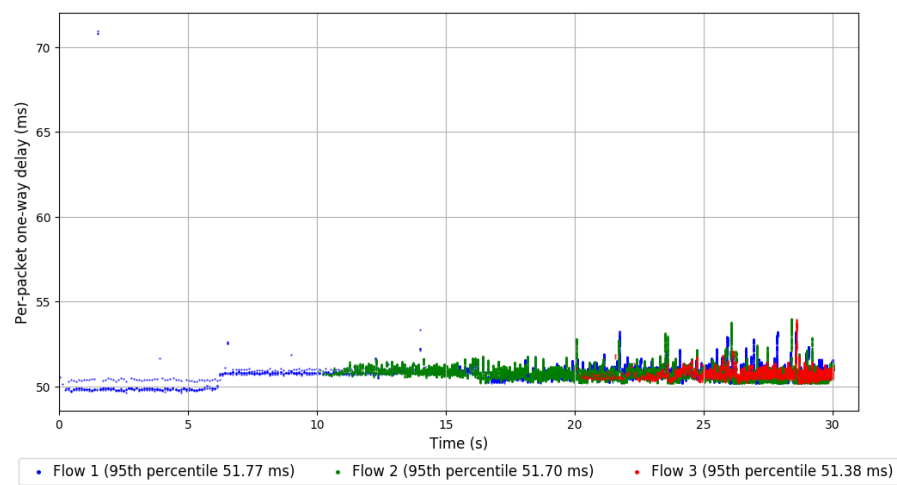
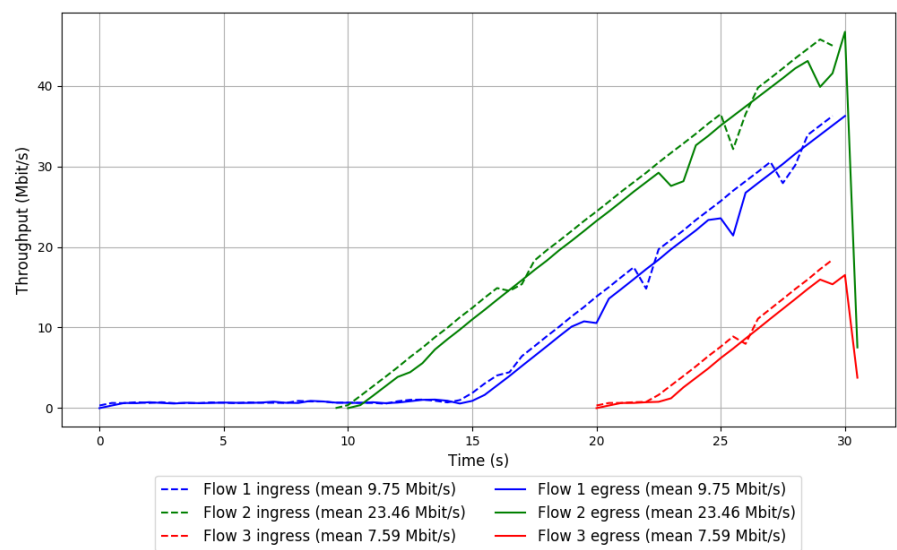


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-20 07:29:52
End at: 2018-07-20 07:30:22
Local clock offset: -0.166 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-07-20 13:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 51.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 51.768 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 51.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 51.380 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

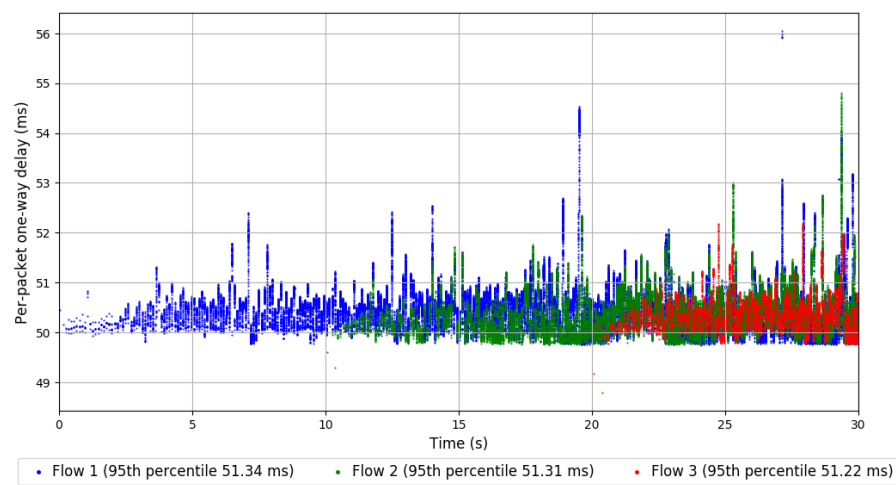
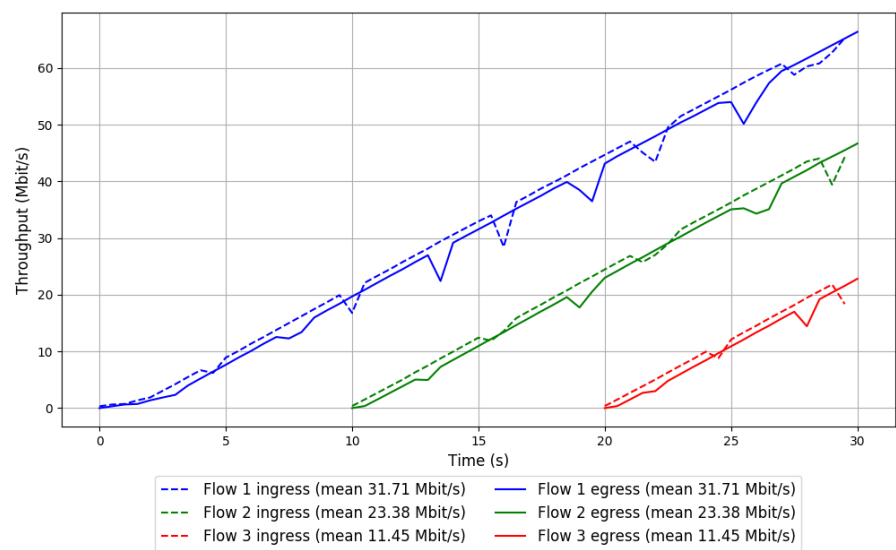


Run 2: Statistics of LEDBAT

Start at: 2018-07-20 07:55:04
End at: 2018-07-20 07:55:34
Local clock offset: 0.247 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 51.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 51.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 51.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 51.216 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

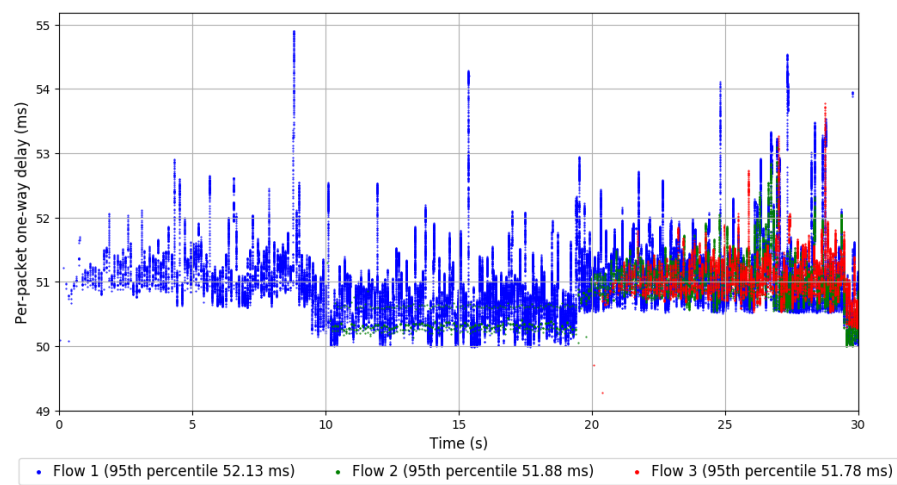
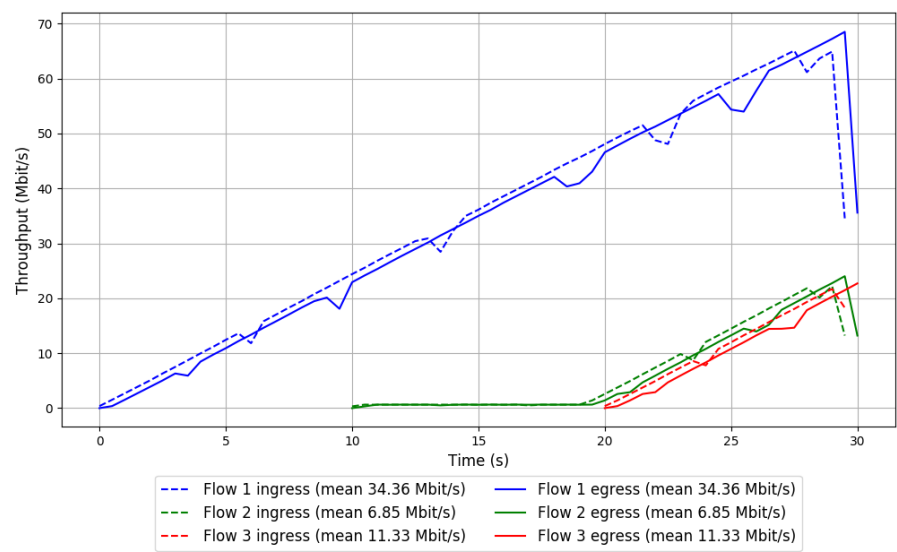


Run 3: Statistics of LEDBAT

Start at: 2018-07-20 08:19:59
End at: 2018-07-20 08:20:29
Local clock offset: -0.504 ms
Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 52.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.36 Mbit/s
95th percentile per-packet one-way delay: 52.134 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 51.879 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 51.776 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

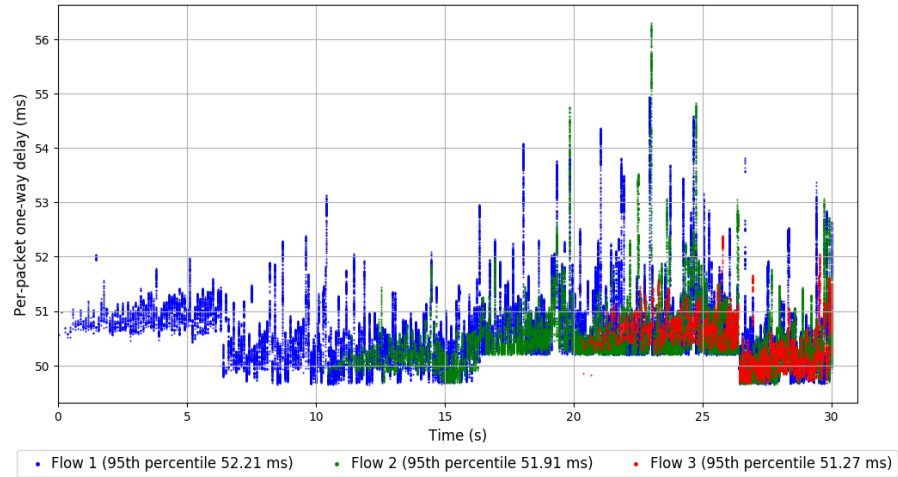
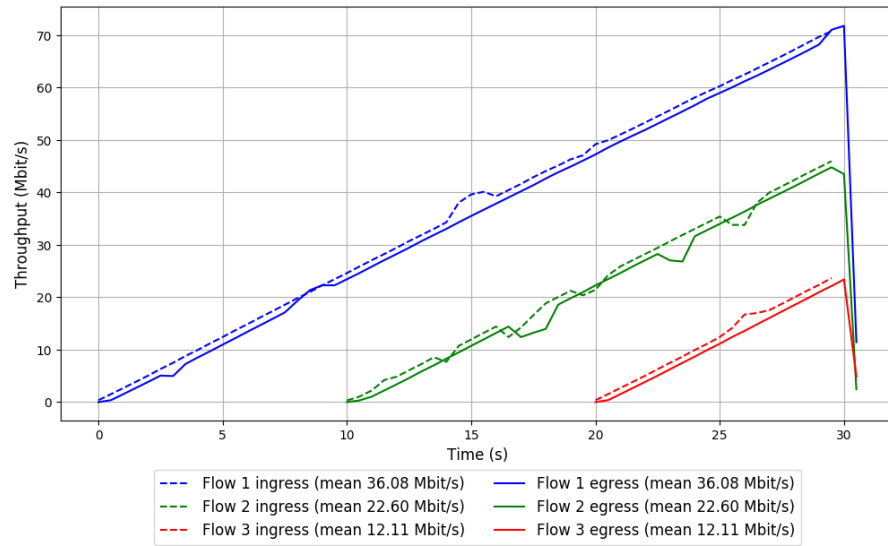


Run 4: Statistics of LEDBAT

Start at: 2018-07-20 08:44:52
End at: 2018-07-20 08:45:22
Local clock offset: -0.063 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 52.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 52.214 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 51.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 51.270 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

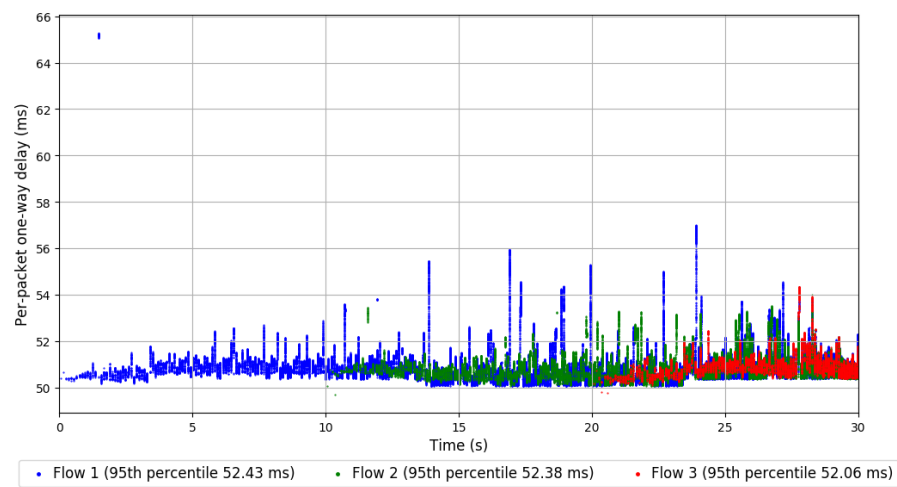
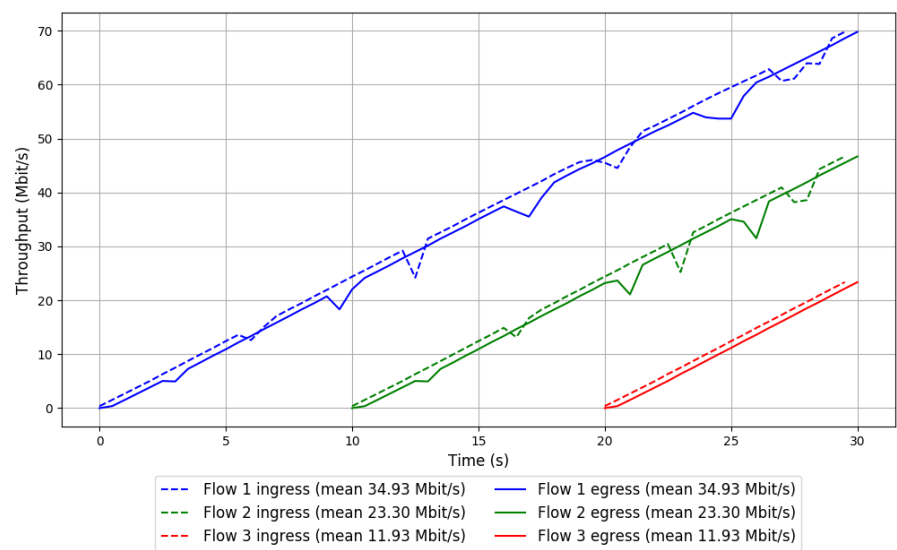


Run 5: Statistics of LEDBAT

Start at: 2018-07-20 09:10:15
End at: 2018-07-20 09:10:45
Local clock offset: 0.051 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 52.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 52.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 52.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 52.062 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-20 09:35:14

End at: 2018-07-20 09:35:44

Local clock offset: -0.438 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-20 13:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.59 Mbit/s

95th percentile per-packet one-way delay: 51.772 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 51.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 51.445 ms

Loss rate: 0.00%

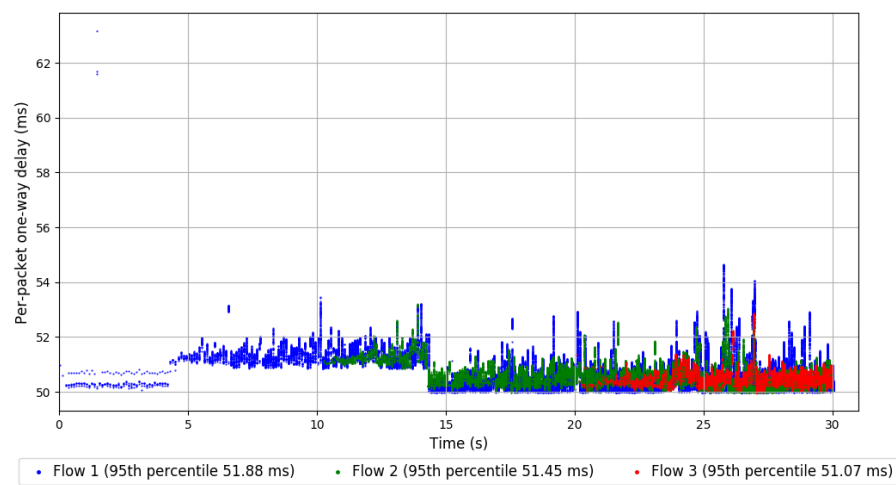
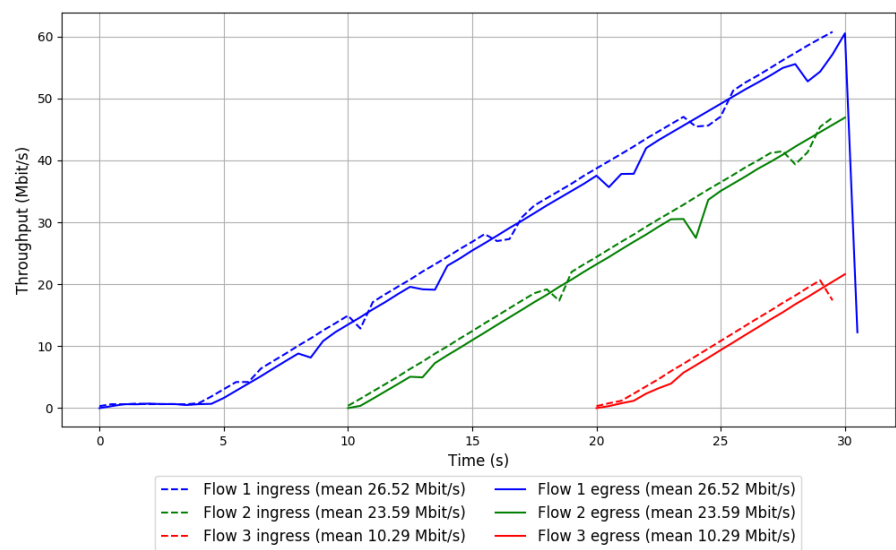
-- Flow 3:

Average throughput: 10.29 Mbit/s

95th percentile per-packet one-way delay: 51.068 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

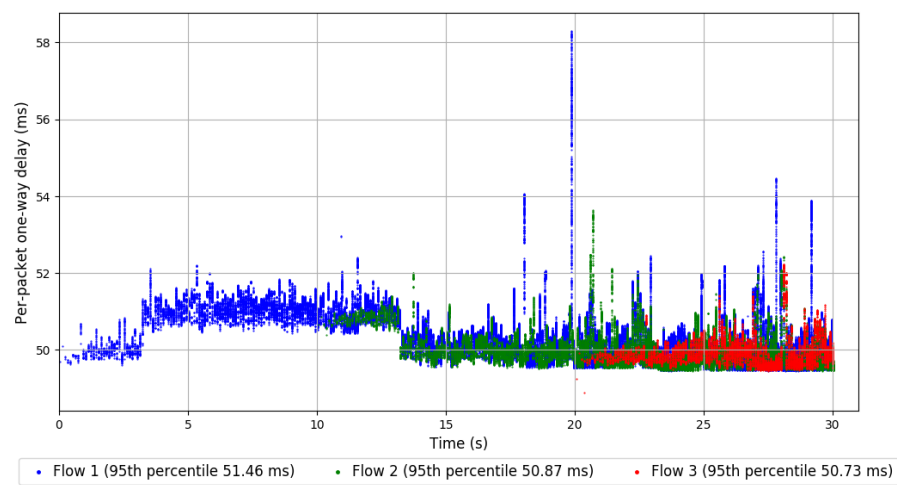
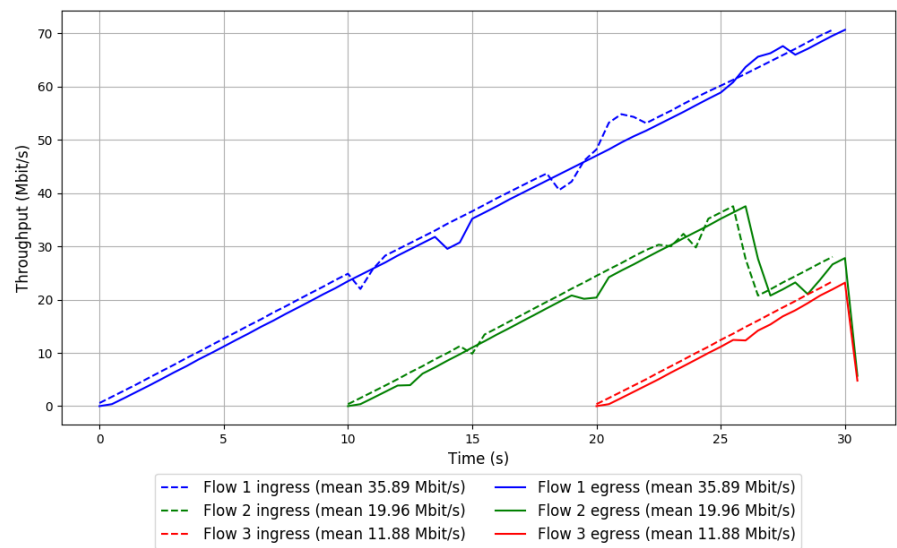


Run 7: Statistics of LEDBAT

Start at: 2018-07-20 10:00:05
End at: 2018-07-20 10:00:35
Local clock offset: -0.191 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 51.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 51.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.96 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 50.725 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

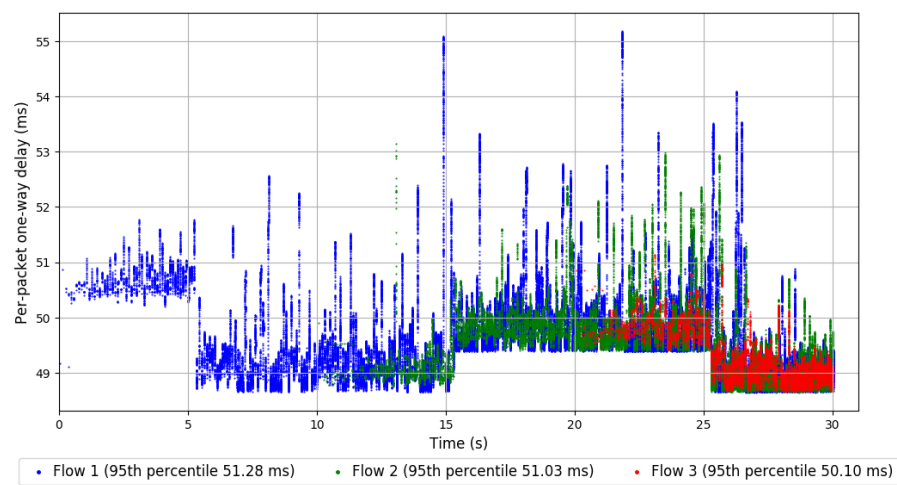
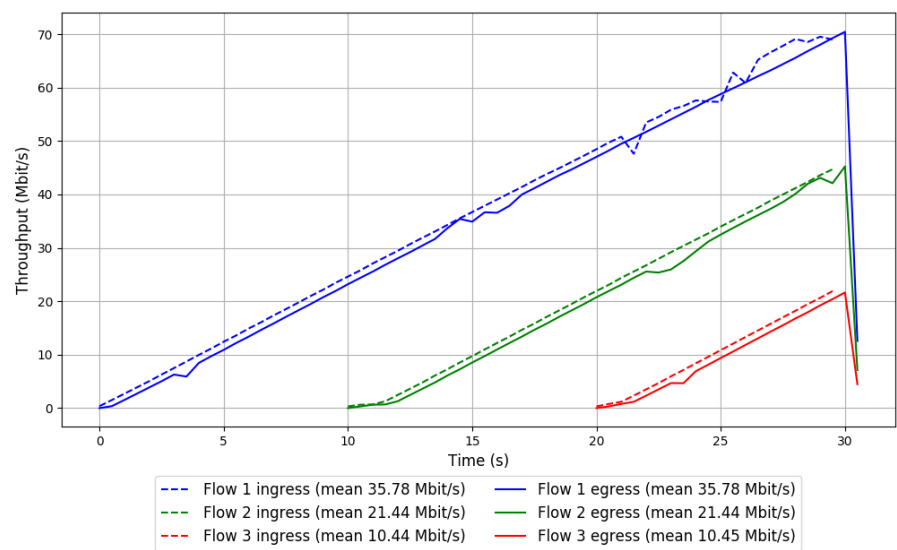


Run 8: Statistics of LEDBAT

Start at: 2018-07-20 10:24:53
End at: 2018-07-20 10:25:23
Local clock offset: -0.216 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 51.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 51.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 51.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 50.101 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

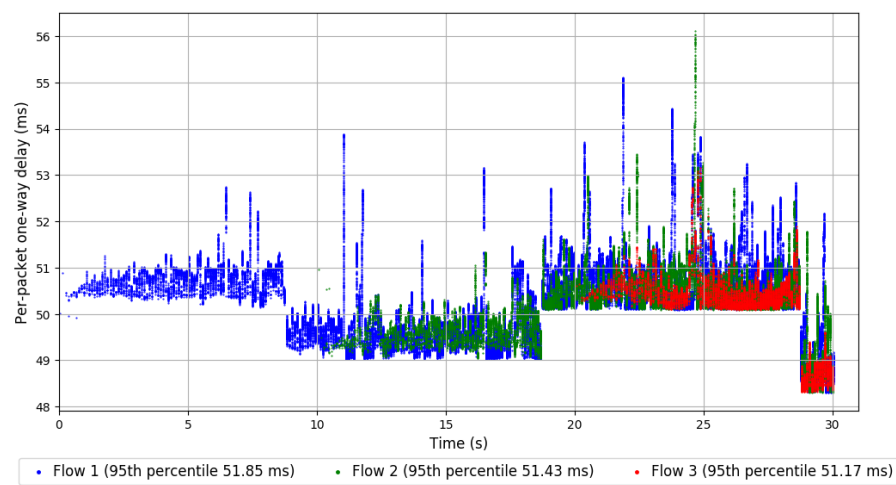
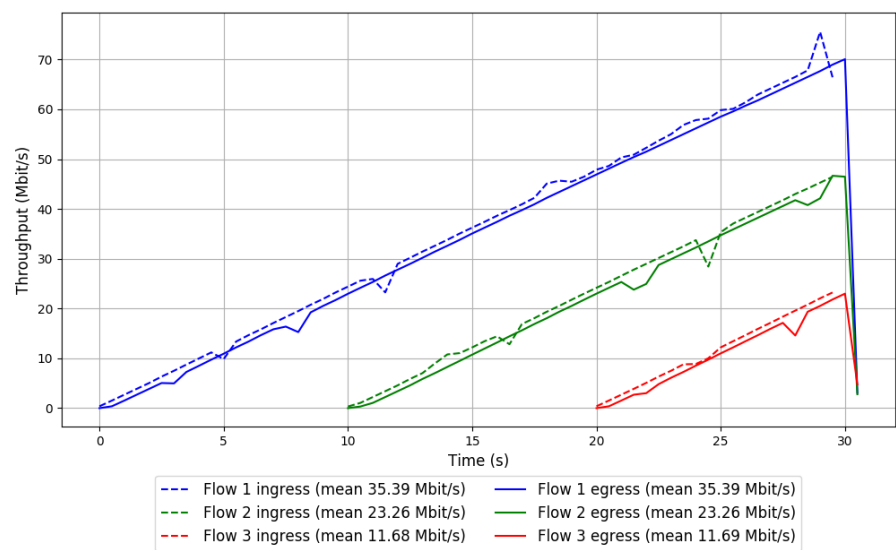


Run 9: Statistics of LEDBAT

Start at: 2018-07-20 10:49:39
End at: 2018-07-20 10:50:09
Local clock offset: 0.102 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 13:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 51.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 51.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 51.173 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-20 11:14:27

End at: 2018-07-20 11:14:57

Local clock offset: -0.029 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-20 13:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 51.292 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.22 Mbit/s

95th percentile per-packet one-way delay: 51.470 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 50.936 ms

Loss rate: 0.00%

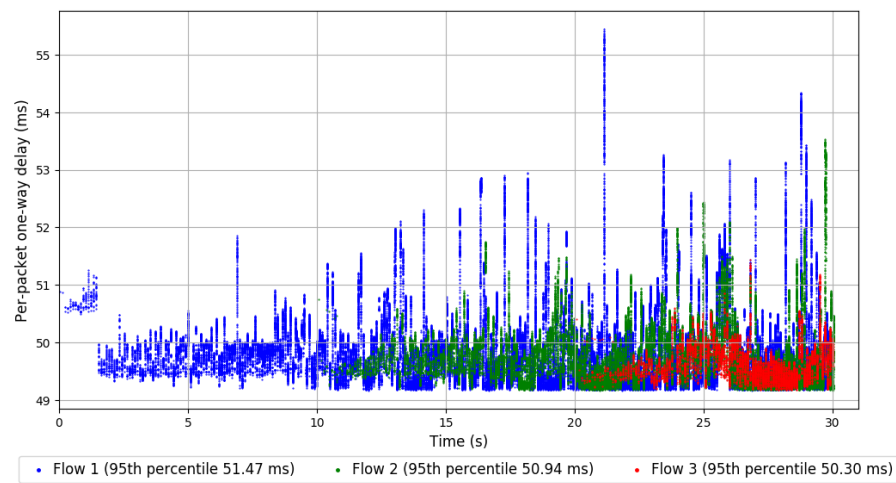
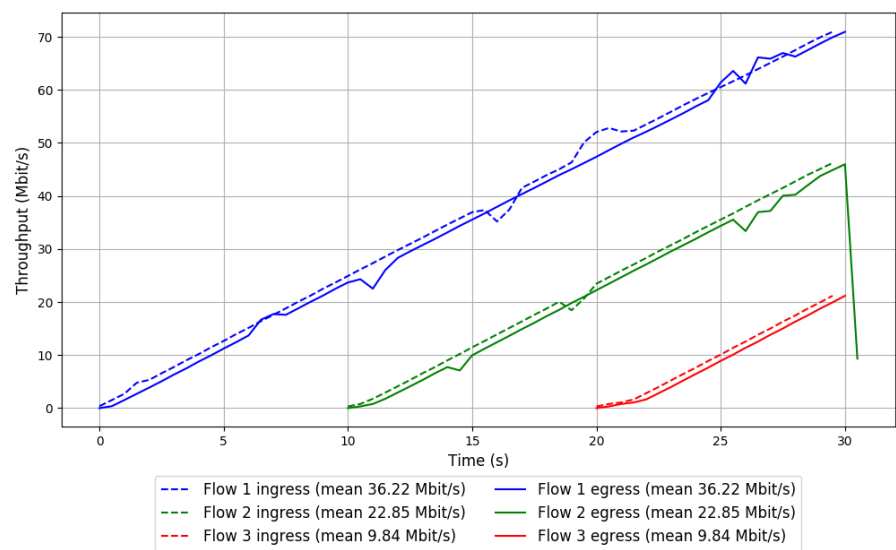
-- Flow 3:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 50.295 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

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

End at: 2018-07-20 07:21:06

Local clock offset: 0.236 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-20 13:13:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.82 Mbit/s

95th percentile per-packet one-way delay: 192.857 ms

Loss rate: 2.80%

-- Flow 1:

Average throughput: 504.77 Mbit/s

95th percentile per-packet one-way delay: 193.272 ms

Loss rate: 2.77%

-- Flow 2:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 176.866 ms

Loss rate: 4.19%

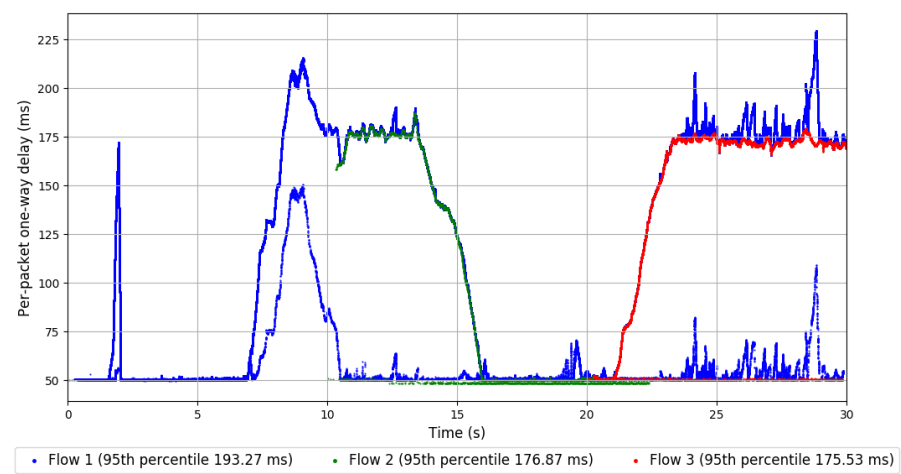
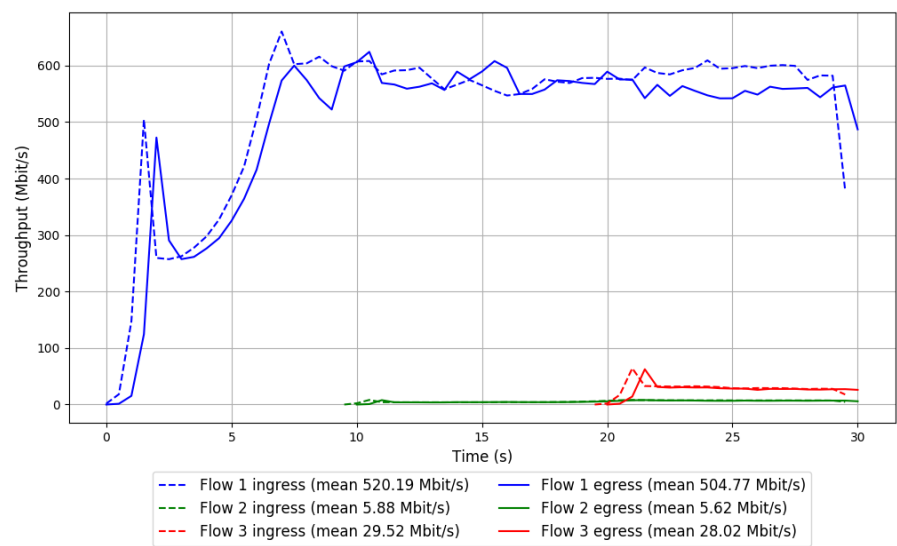
-- Flow 3:

Average throughput: 28.02 Mbit/s

95th percentile per-packet one-way delay: 175.526 ms

Loss rate: 3.93%

Run 1: Report of PCC-Allegro — Data Link

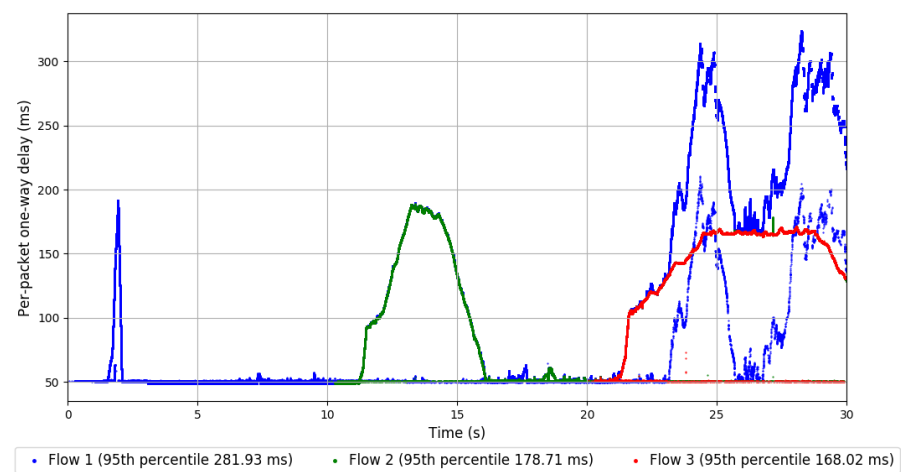
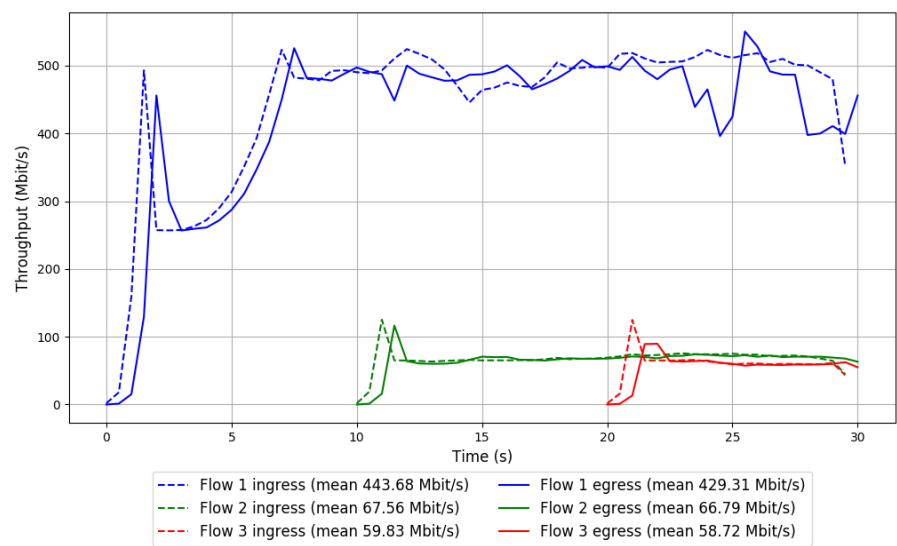


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 07:45:45
End at: 2018-07-20 07:46:15
Local clock offset: -0.114 ms
Remote clock offset: -0.018 ms

```
# Below is generated by plot.py at 2018-07-20 13:13:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.13 Mbit/s
95th percentile per-packet one-way delay: 278.371 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 429.31 Mbit/s
95th percentile per-packet one-way delay: 281.932 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 178.712 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 168.017 ms
Loss rate: 1.57%
```

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 08:10:41

End at: 2018-07-20 08:11:11

Local clock offset: -0.138 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-20 13:13:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.67 Mbit/s

95th percentile per-packet one-way delay: 205.802 ms

Loss rate: 3.76%

-- Flow 1:

Average throughput: 443.74 Mbit/s

95th percentile per-packet one-way delay: 206.134 ms

Loss rate: 3.77%

-- Flow 2:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 196.601 ms

Loss rate: 3.48%

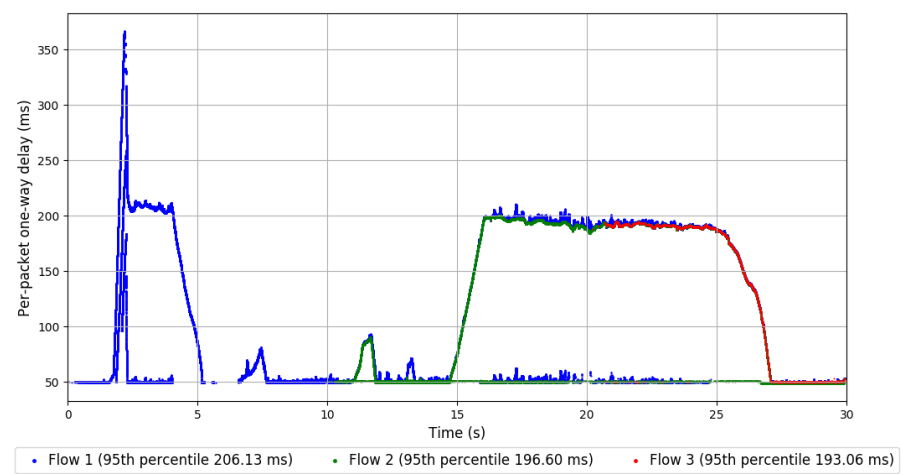
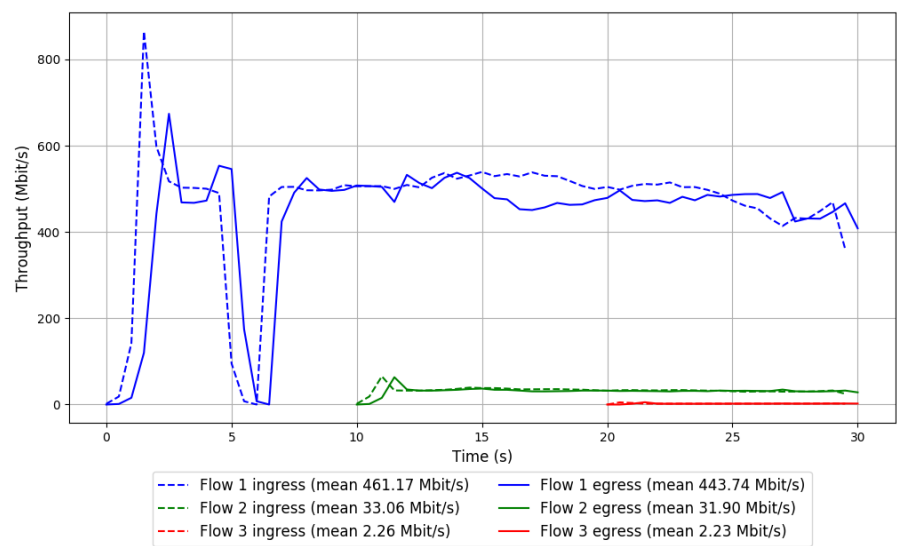
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 193.059 ms

Loss rate: 2.91%

Run 3: Report of PCC-Allegro — Data Link

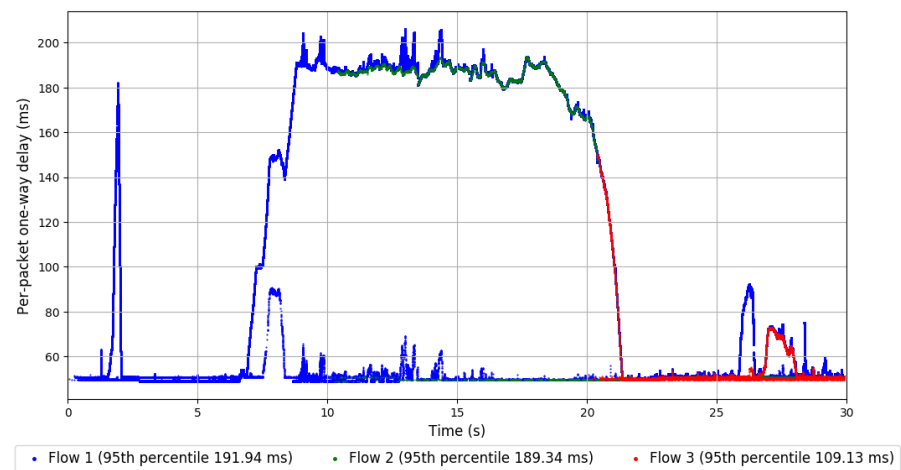
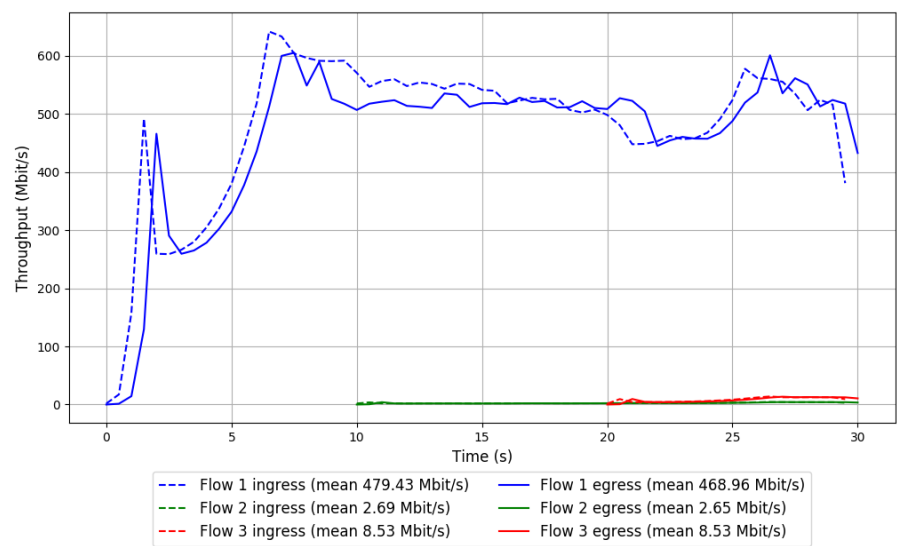


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 08:35:45
End at: 2018-07-20 08:36:15
Local clock offset: -0.136 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-20 13:14:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.53 Mbit/s
95th percentile per-packet one-way delay: 191.898 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 468.96 Mbit/s
95th percentile per-packet one-way delay: 191.938 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 189.342 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 109.134 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

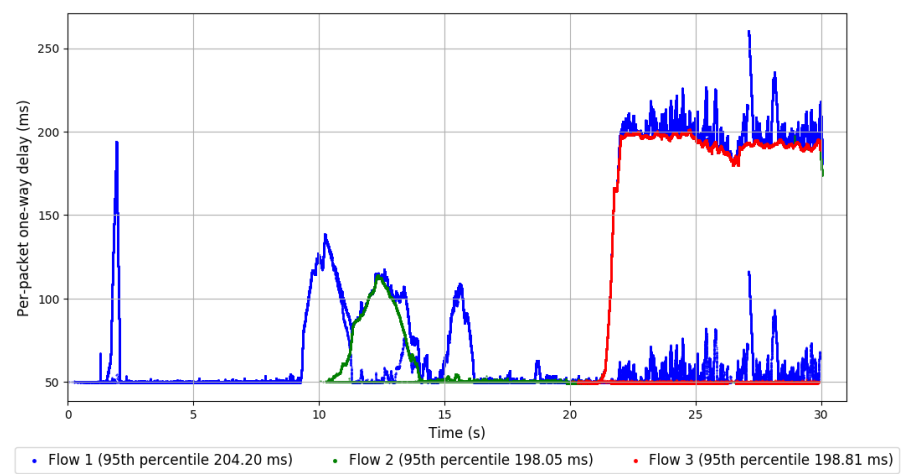
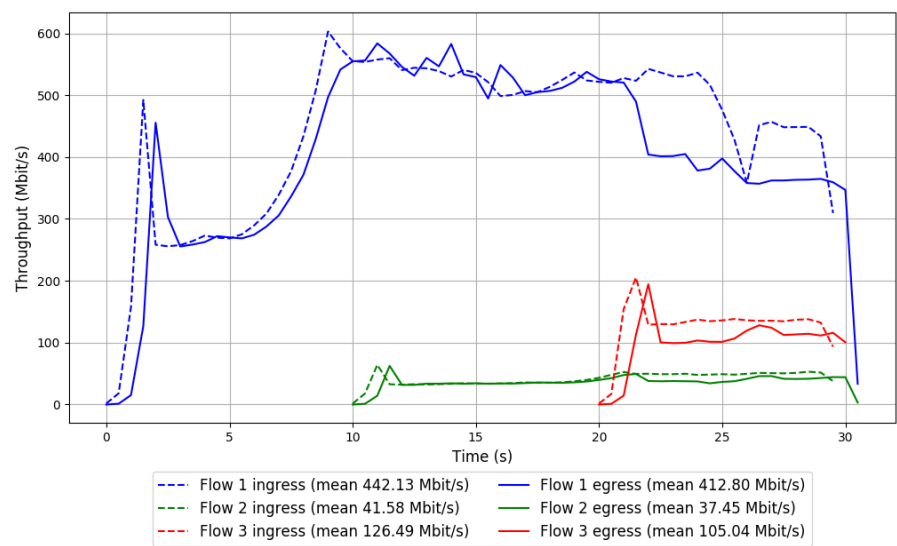


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 09:00:48
End at: 2018-07-20 09:01:18
Local clock offset: 0.326 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-20 13:14:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.36 Mbit/s
95th percentile per-packet one-way delay: 202.975 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 412.80 Mbit/s
95th percentile per-packet one-way delay: 204.197 ms
Loss rate: 6.24%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 198.048 ms
Loss rate: 9.38%
-- Flow 3:
Average throughput: 105.04 Mbit/s
95th percentile per-packet one-way delay: 198.805 ms
Loss rate: 16.62%

Run 5: Report of PCC-Allegro — Data Link

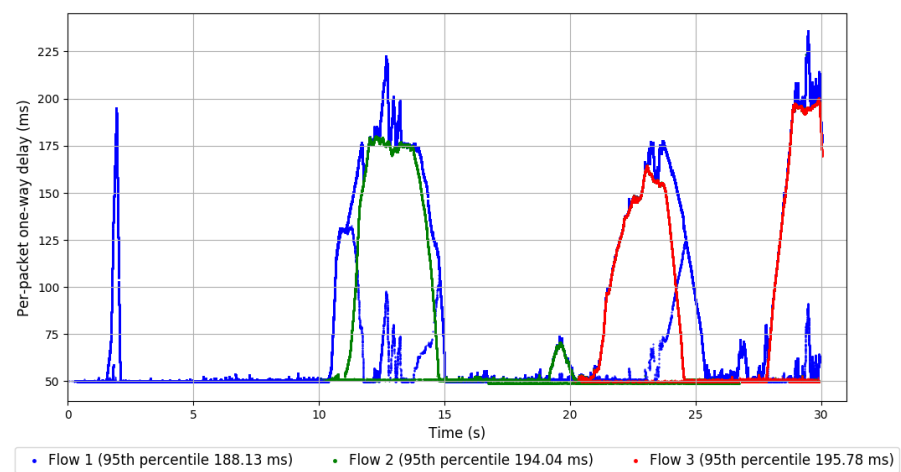
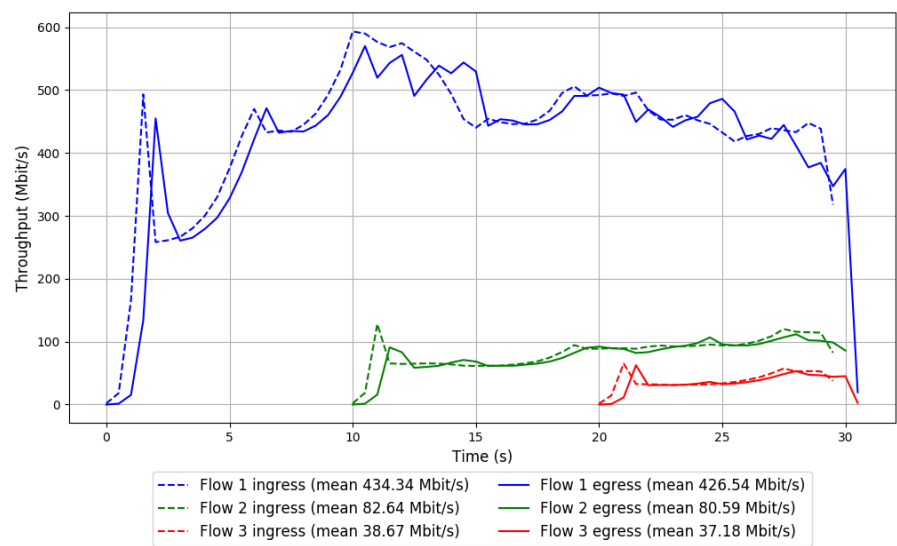


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 09:26:01
End at: 2018-07-20 09:26:31
Local clock offset: -0.074 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-20 13:15:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.33 Mbit/s
95th percentile per-packet one-way delay: 189.976 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 426.54 Mbit/s
95th percentile per-packet one-way delay: 188.134 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 194.044 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 195.783 ms
Loss rate: 2.68%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 09:50:54

End at: 2018-07-20 09:51:24

Local clock offset: -0.09 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-20 13:17:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 484.51 Mbit/s

95th percentile per-packet one-way delay: 221.354 ms

Loss rate: 6.89%

-- Flow 1:

Average throughput: 482.54 Mbit/s

95th percentile per-packet one-way delay: 221.379 ms

Loss rate: 6.88%

-- Flow 2:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 217.442 ms

Loss rate: 9.44%

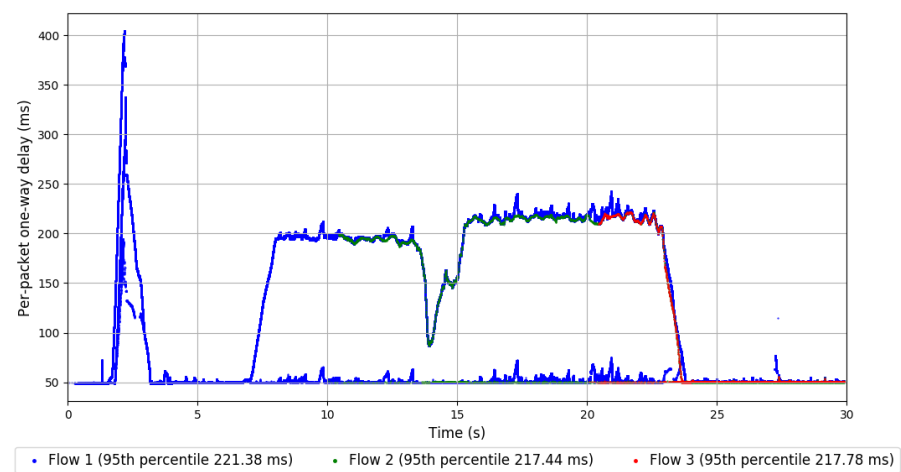
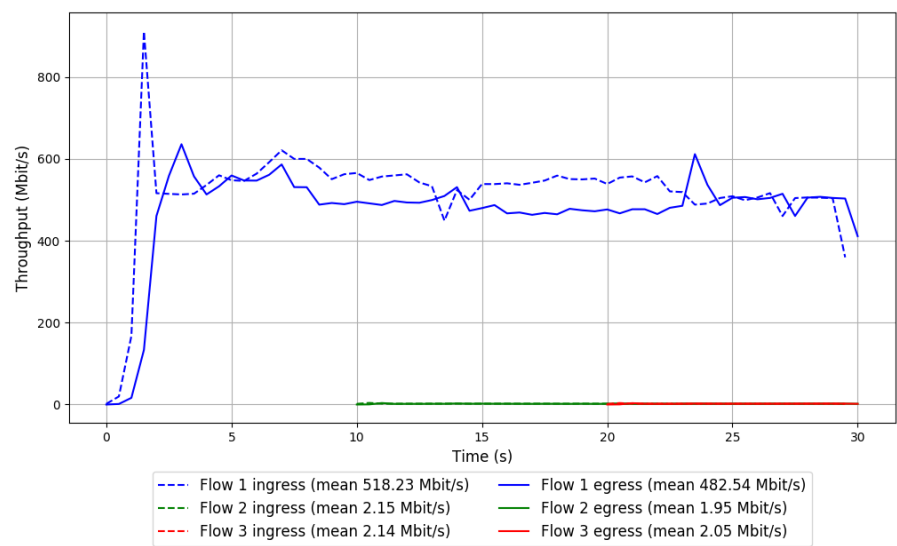
-- Flow 3:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 217.777 ms

Loss rate: 4.22%

Run 7: Report of PCC-Allegro — Data Link

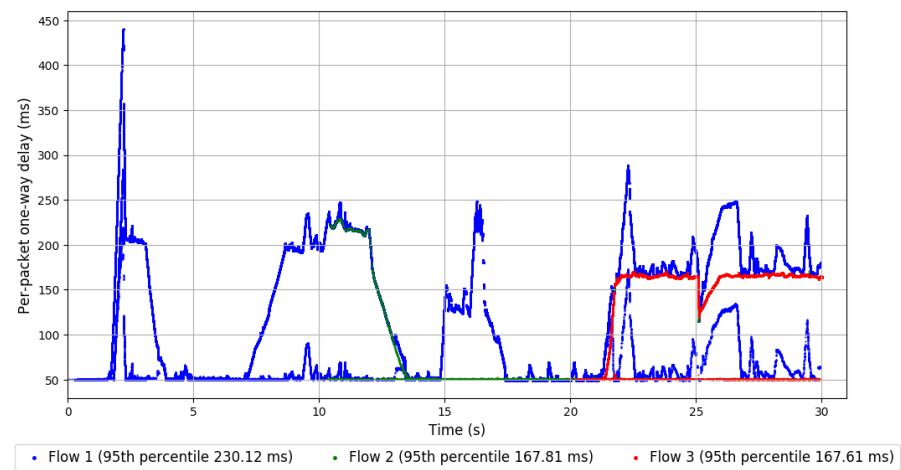
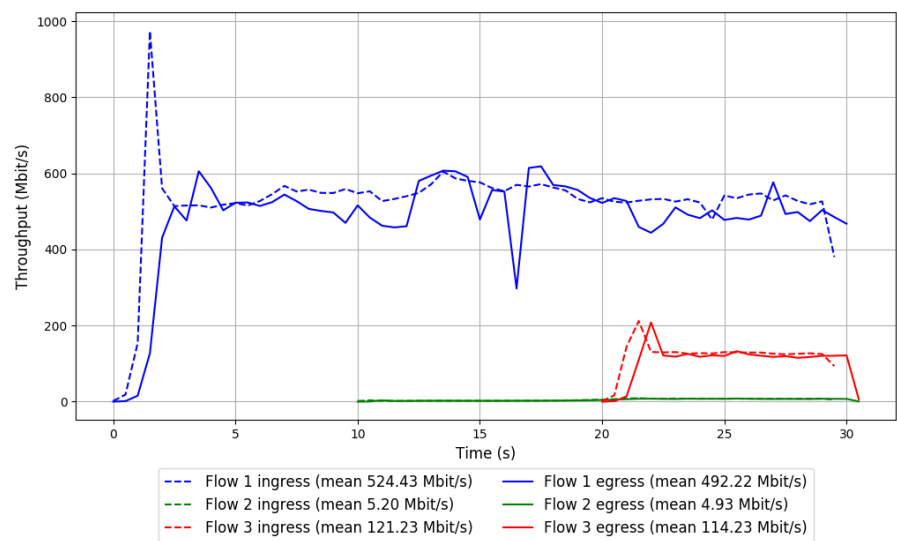


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 10:15:42
End at: 2018-07-20 10:16:12
Local clock offset: -0.2 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-20 13:20:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.33 Mbit/s
95th percentile per-packet one-way delay: 228.054 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 492.22 Mbit/s
95th percentile per-packet one-way delay: 230.115 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 4.93 Mbit/s
95th percentile per-packet one-way delay: 167.814 ms
Loss rate: 4.73%
-- Flow 3:
Average throughput: 114.23 Mbit/s
95th percentile per-packet one-way delay: 167.614 ms
Loss rate: 4.69%

Run 8: Report of PCC-Allegro — Data Link

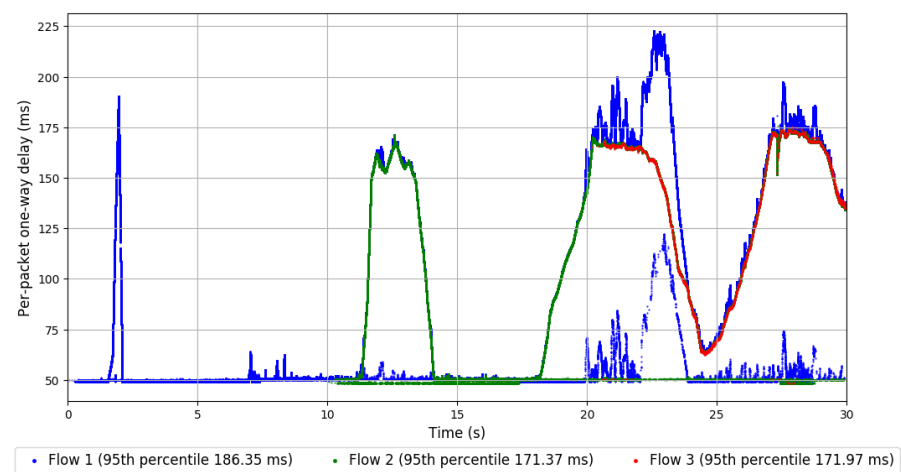
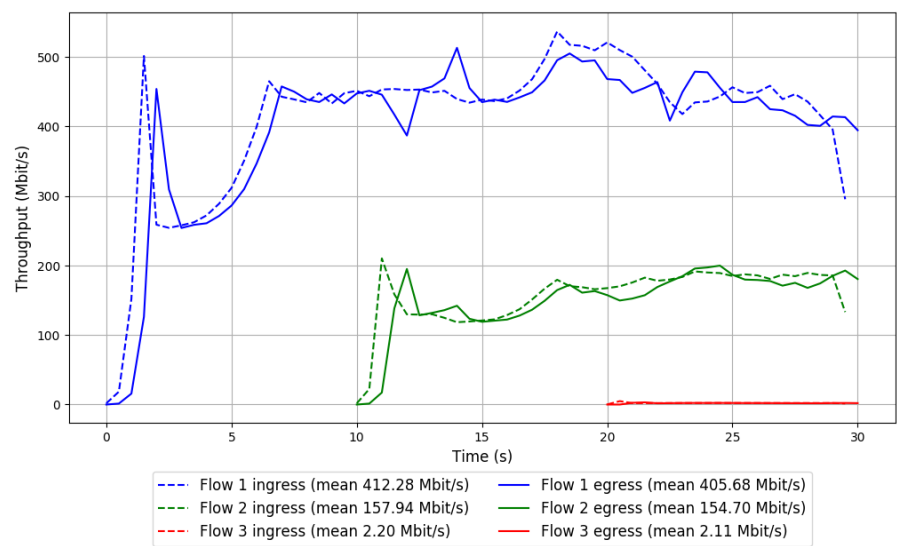


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 10:40:21
End at: 2018-07-20 10:40:51
Local clock offset: 0.106 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 13:21:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 509.31 Mbit/s
95th percentile per-packet one-way delay: 181.176 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 405.68 Mbit/s
95th percentile per-packet one-way delay: 186.354 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 154.70 Mbit/s
95th percentile per-packet one-way delay: 171.365 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 171.975 ms
Loss rate: 4.68%

Run 9: Report of PCC-Allegro — Data Link

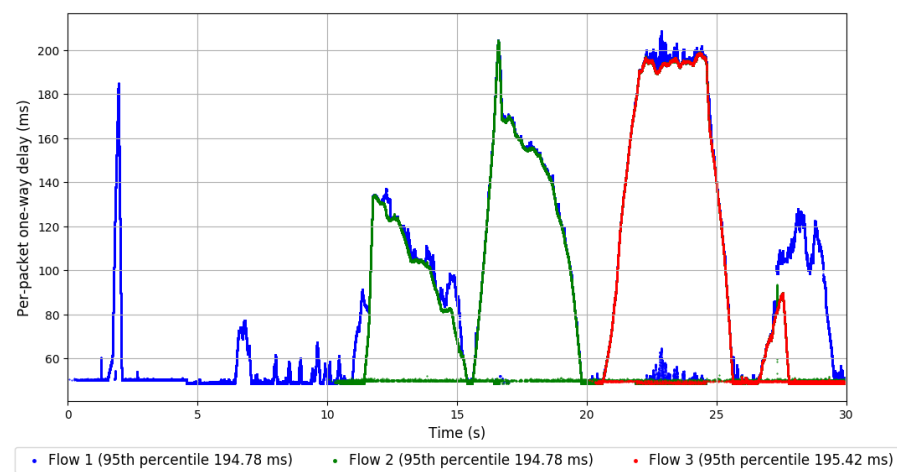
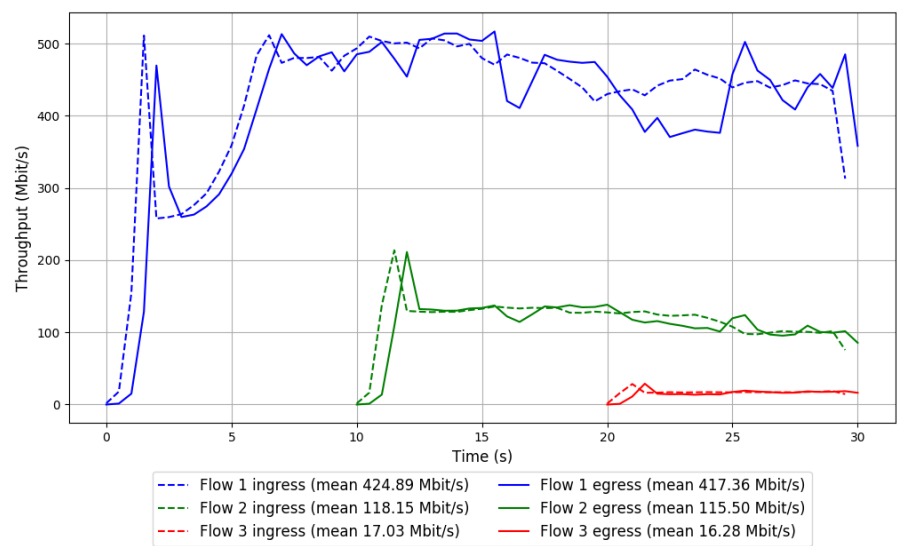


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-20 11:05:24
End at: 2018-07-20 11:05:54
Local clock offset: -0.309 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-20 13:21:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.43 Mbit/s
95th percentile per-packet one-way delay: 194.800 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 417.36 Mbit/s
95th percentile per-packet one-way delay: 194.785 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 115.50 Mbit/s
95th percentile per-packet one-way delay: 194.775 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 195.424 ms
Loss rate: 4.42%

Run 10: Report of PCC-Allegro — Data Link

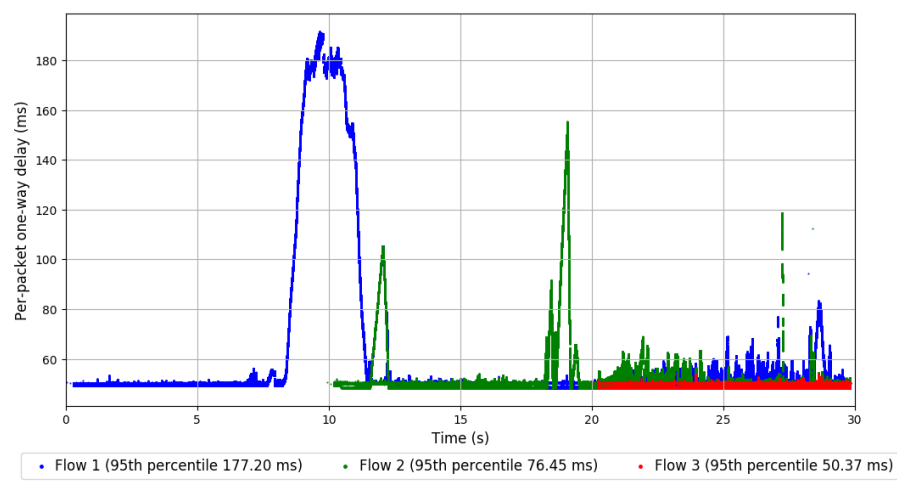
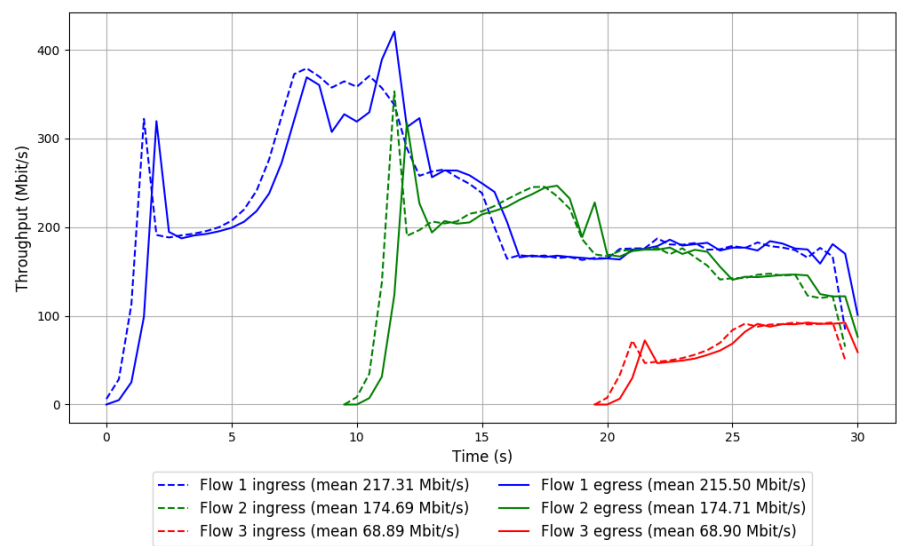


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 07:15:58
End at: 2018-07-20 07:16:28
Local clock offset: 0.205 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-07-20 13:24:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 354.88 Mbit/s
95th percentile per-packet one-way delay: 162.355 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 215.50 Mbit/s
95th percentile per-packet one-way delay: 177.204 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 174.71 Mbit/s
95th percentile per-packet one-way delay: 76.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 50.373 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

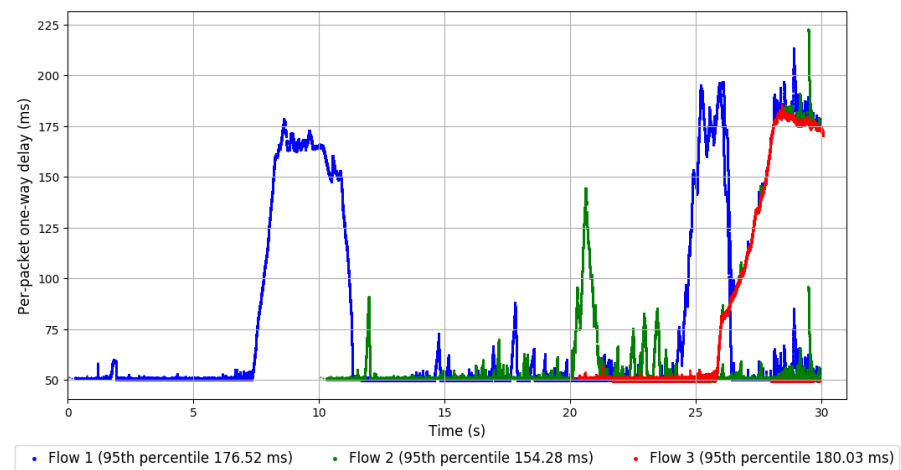
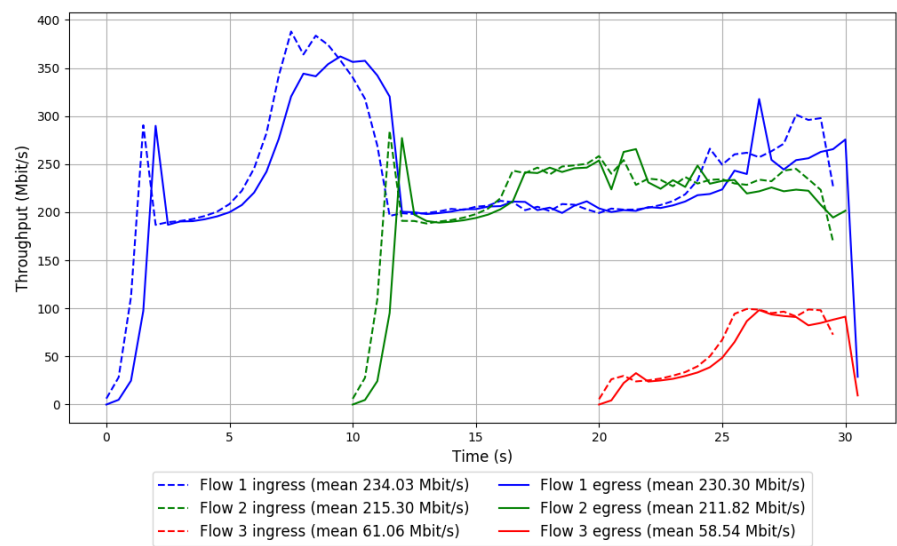


Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 07:40:46
End at: 2018-07-20 07:41:16
Local clock offset: -0.482 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-20 13:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.29 Mbit/s
95th percentile per-packet one-way delay: 176.480 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 230.30 Mbit/s
95th percentile per-packet one-way delay: 176.519 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 211.82 Mbit/s
95th percentile per-packet one-way delay: 154.275 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 180.027 ms
Loss rate: 2.96%

Run 2: Report of PCC-Expr — Data Link

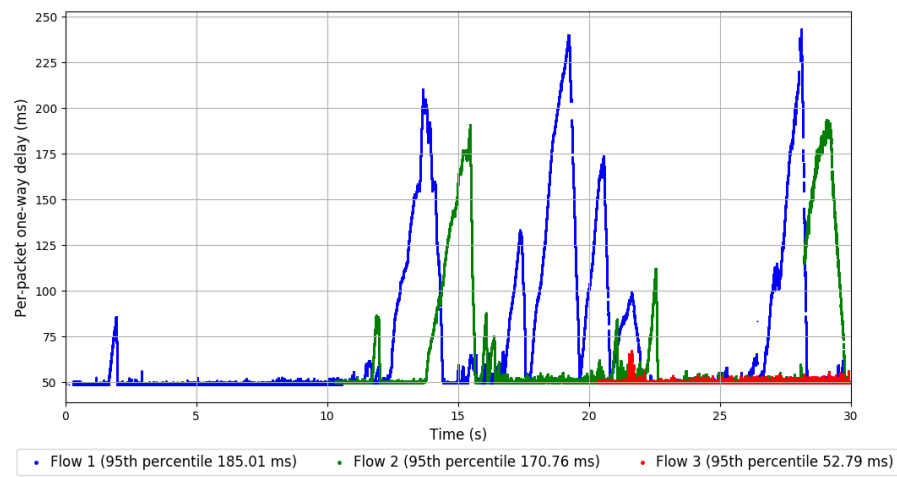
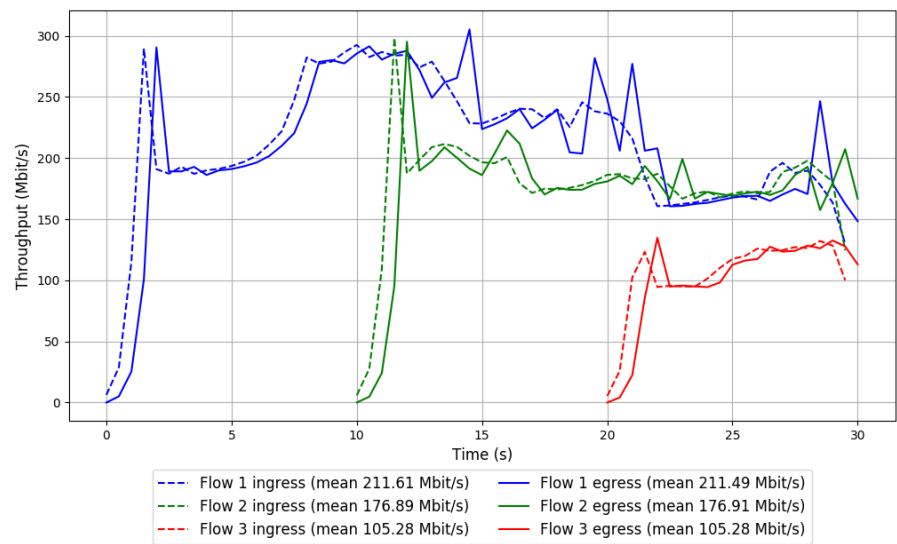


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 08:05:47
End at: 2018-07-20 08:06:17
Local clock offset: -0.076 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-20 13:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.82 Mbit/s
95th percentile per-packet one-way delay: 173.362 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 211.49 Mbit/s
95th percentile per-packet one-way delay: 185.011 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 176.91 Mbit/s
95th percentile per-packet one-way delay: 170.760 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 105.28 Mbit/s
95th percentile per-packet one-way delay: 52.793 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

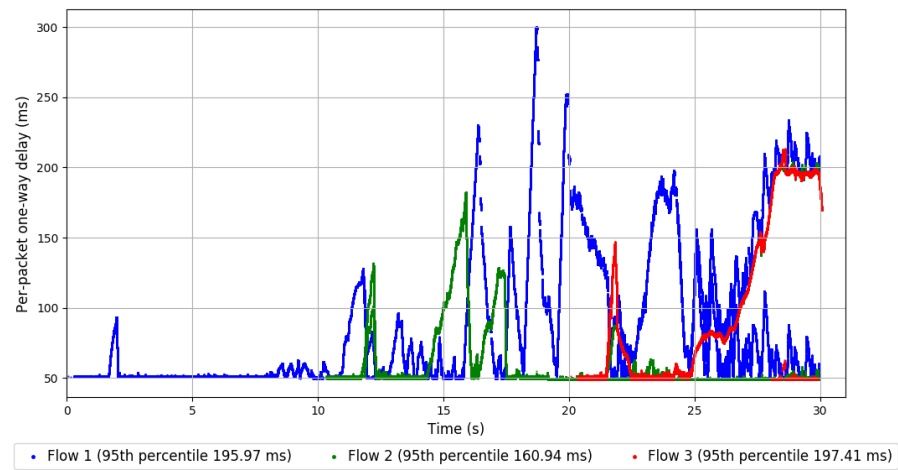
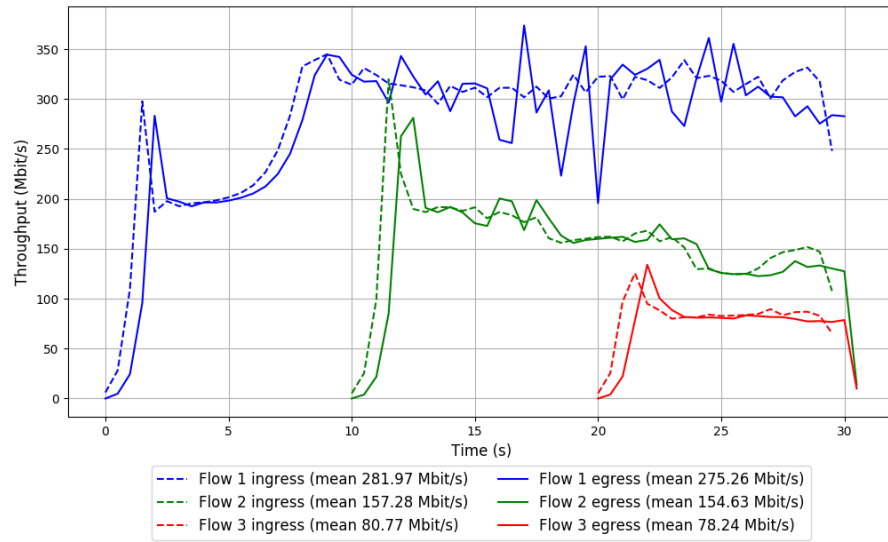


Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 08:30:49
End at: 2018-07-20 08:31:19
Local clock offset: -0.485 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-20 13:27:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.59 Mbit/s
95th percentile per-packet one-way delay: 195.260 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 275.26 Mbit/s
95th percentile per-packet one-way delay: 195.970 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 154.63 Mbit/s
95th percentile per-packet one-way delay: 160.940 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 78.24 Mbit/s
95th percentile per-packet one-way delay: 197.407 ms
Loss rate: 1.96%

Run 4: Report of PCC-Expr — Data Link

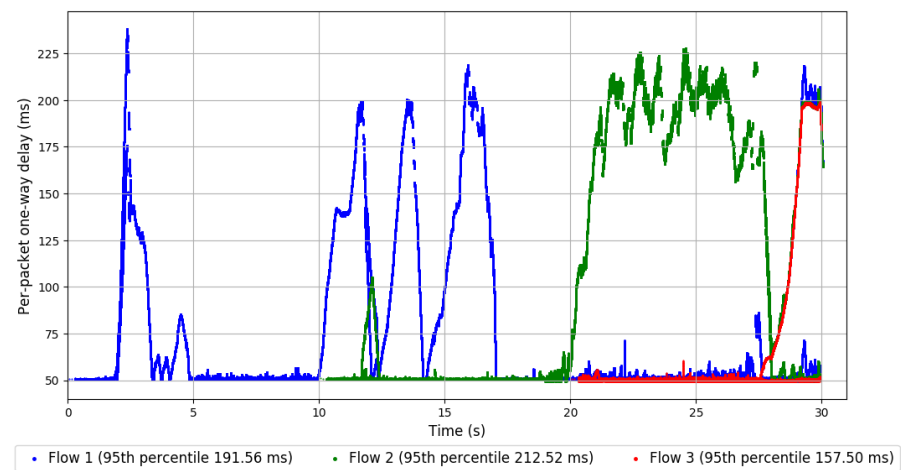
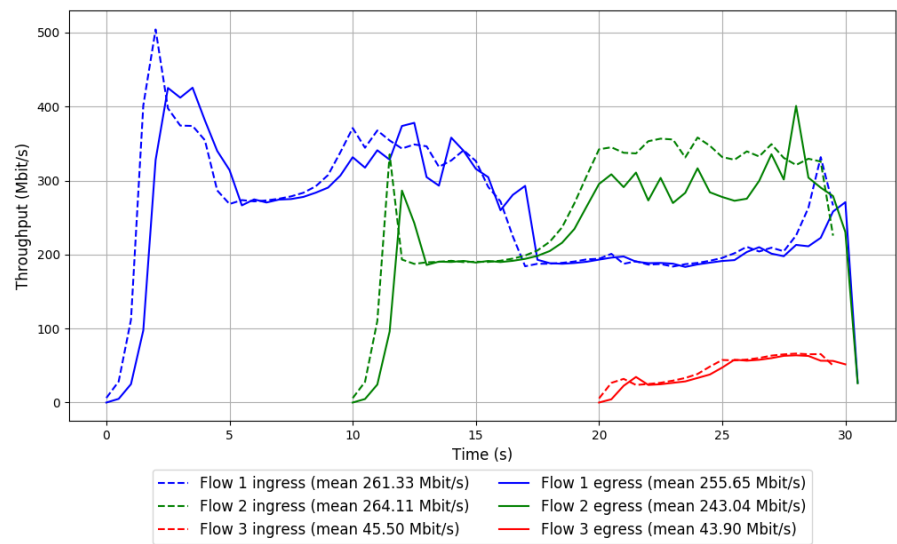


Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 08:55:49
End at: 2018-07-20 08:56:19
Local clock offset: -0.085 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-20 13:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.08 Mbit/s
95th percentile per-packet one-way delay: 205.600 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 255.65 Mbit/s
95th percentile per-packet one-way delay: 191.563 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 243.04 Mbit/s
95th percentile per-packet one-way delay: 212.523 ms
Loss rate: 7.45%
-- Flow 3:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 157.500 ms
Loss rate: 3.05%

Run 5: Report of PCC-Expr — Data Link

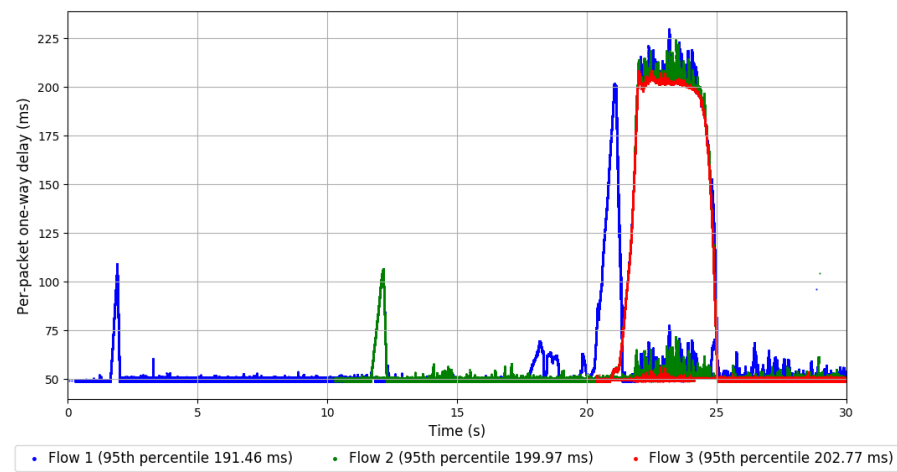
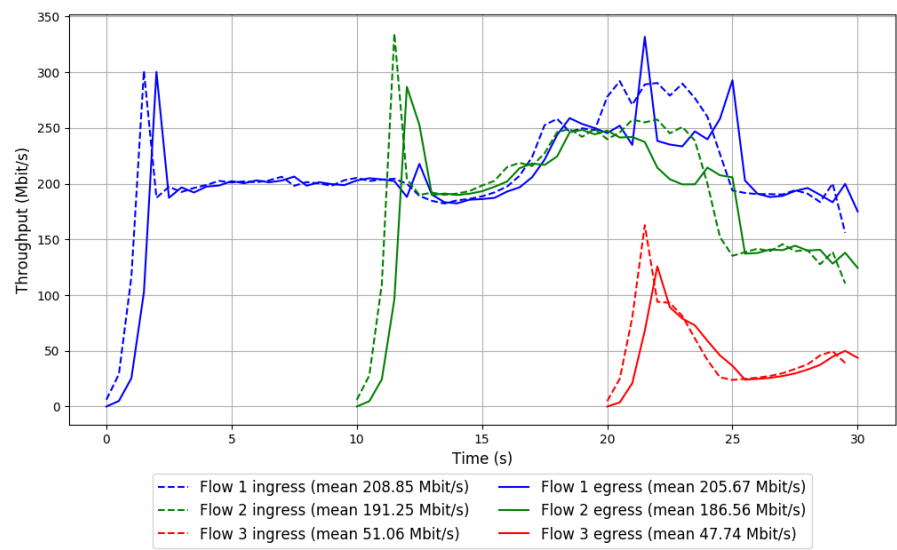


Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 09:21:16
End at: 2018-07-20 09:21:46
Local clock offset: -0.054 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-20 13:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.49 Mbit/s
95th percentile per-packet one-way delay: 198.997 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 205.67 Mbit/s
95th percentile per-packet one-way delay: 191.463 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 186.56 Mbit/s
95th percentile per-packet one-way delay: 199.969 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 202.774 ms
Loss rate: 6.57%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 09:46:05

End at: 2018-07-20 09:46:35

Local clock offset: 0.284 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-20 13:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.28 Mbit/s

95th percentile per-packet one-way delay: 260.752 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 233.40 Mbit/s

95th percentile per-packet one-way delay: 268.690 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 109.87 Mbit/s

95th percentile per-packet one-way delay: 54.378 ms

Loss rate: 0.00%

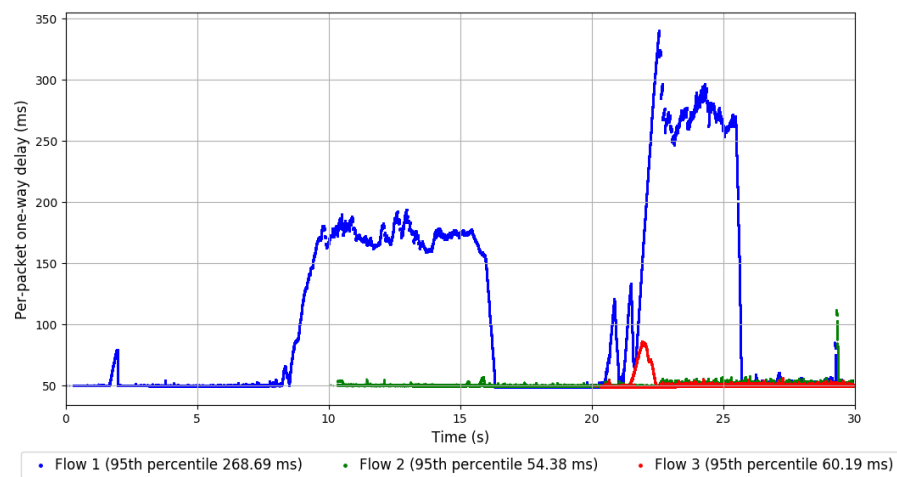
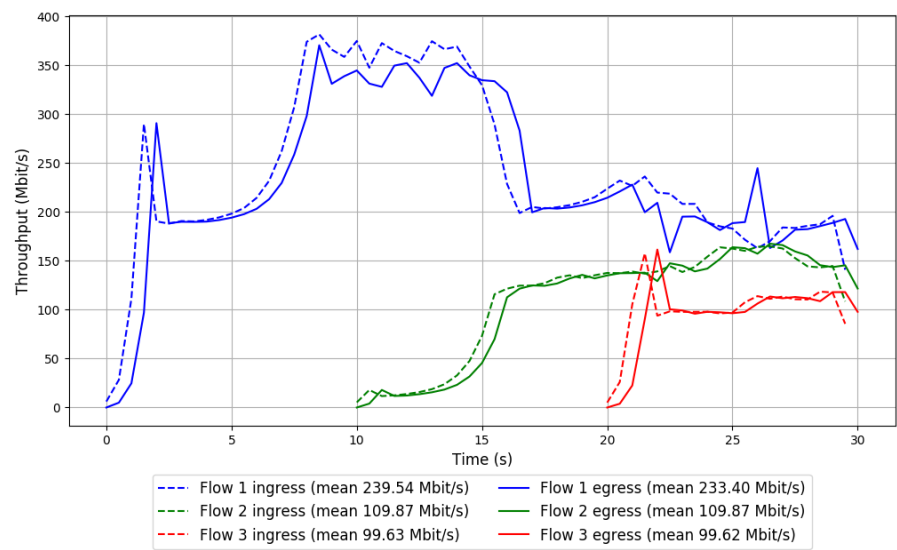
-- Flow 3:

Average throughput: 99.62 Mbit/s

95th percentile per-packet one-way delay: 60.190 ms

Loss rate: 0.01%

Run 7: Report of PCC-Expr — Data Link

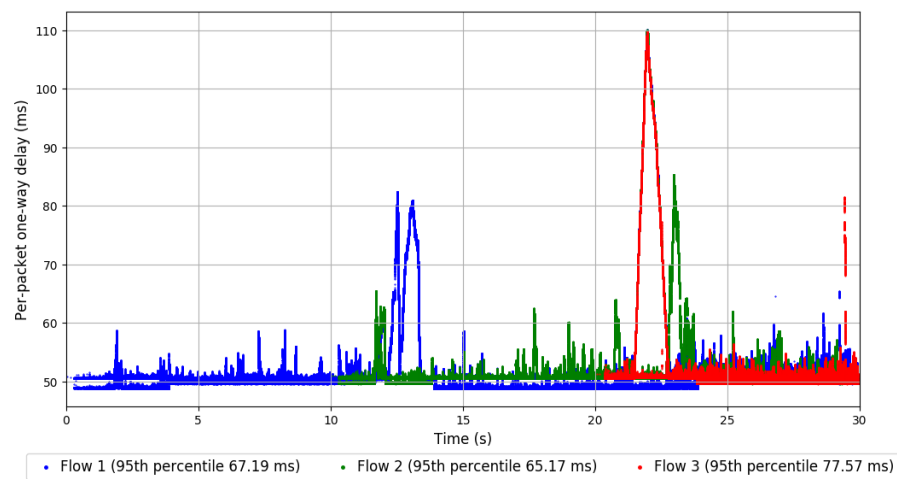
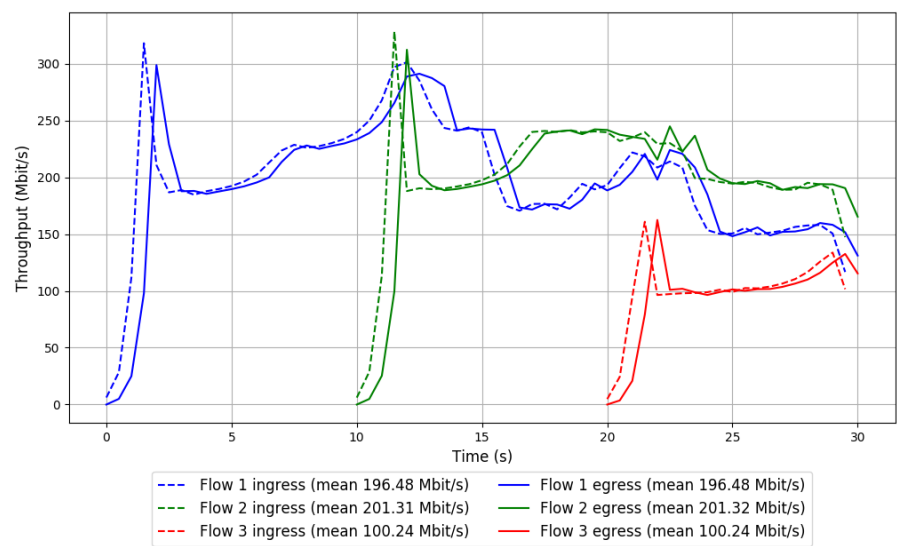


Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 10:10:54
End at: 2018-07-20 10:11:24
Local clock offset: -0.268 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-20 13:33:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.46 Mbit/s
95th percentile per-packet one-way delay: 67.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.48 Mbit/s
95th percentile per-packet one-way delay: 67.186 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.32 Mbit/s
95th percentile per-packet one-way delay: 65.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.24 Mbit/s
95th percentile per-packet one-way delay: 77.571 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

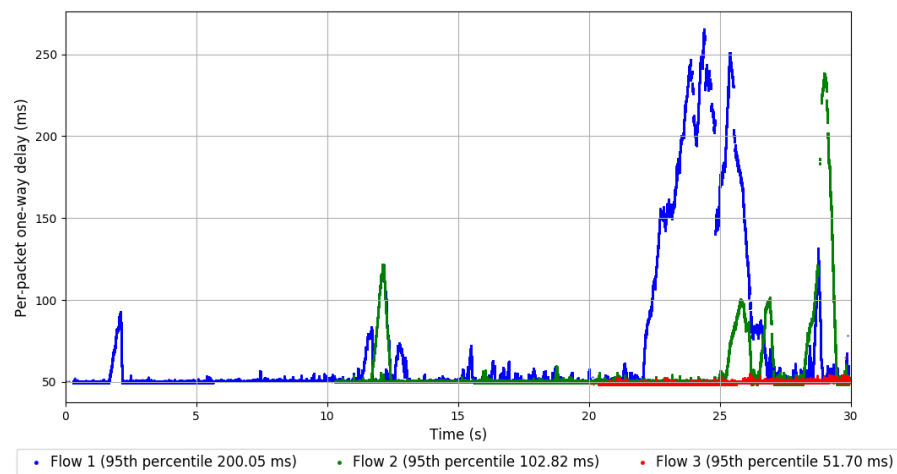
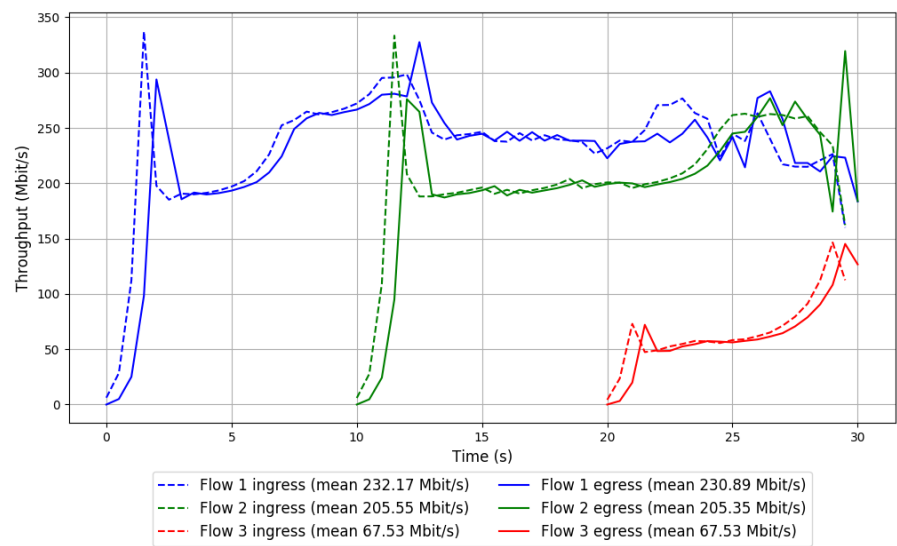


Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 10:35:32
End at: 2018-07-20 10:36:02
Local clock offset: 0.142 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-20 13:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.75 Mbit/s
95th percentile per-packet one-way delay: 178.059 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 230.89 Mbit/s
95th percentile per-packet one-way delay: 200.053 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 205.35 Mbit/s
95th percentile per-packet one-way delay: 102.819 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 67.53 Mbit/s
95th percentile per-packet one-way delay: 51.703 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

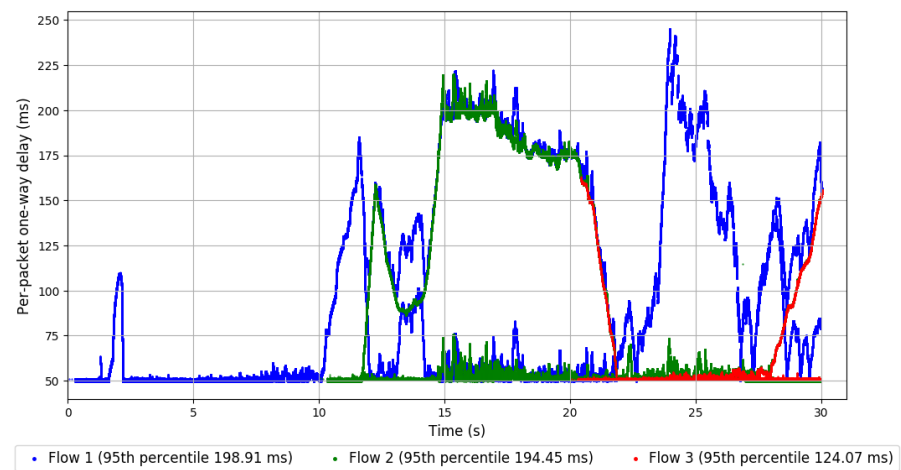
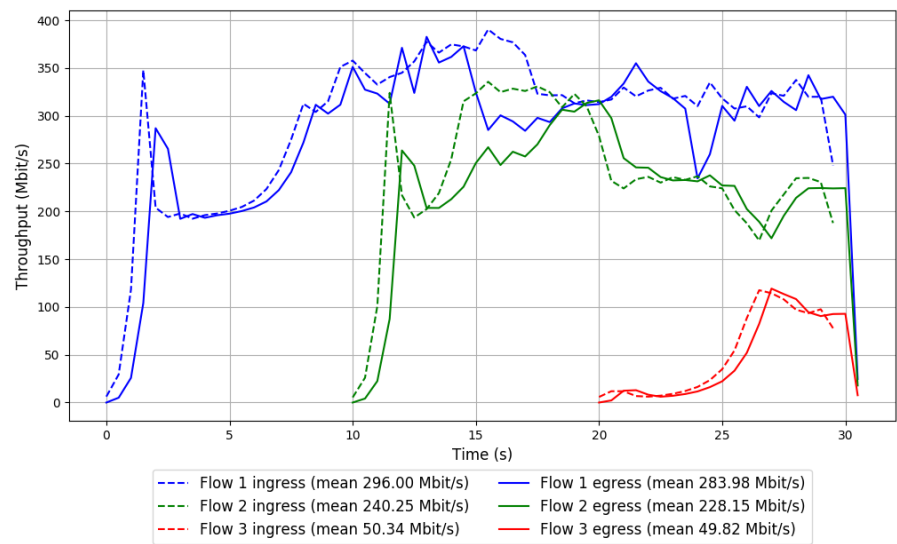


Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 11:00:31
End at: 2018-07-20 11:01:01
Local clock offset: -0.602 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.51 Mbit/s
95th percentile per-packet one-way delay: 197.220 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 283.98 Mbit/s
95th percentile per-packet one-way delay: 198.911 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 228.15 Mbit/s
95th percentile per-packet one-way delay: 194.453 ms
Loss rate: 4.54%
-- Flow 3:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 124.070 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-20 07:08:57

End at: 2018-07-20 07:09:27

Local clock offset: -0.168 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-20 13:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.30 Mbit/s

95th percentile per-packet one-way delay: 50.330 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 50.472 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 48.881 ms

Loss rate: 0.00%

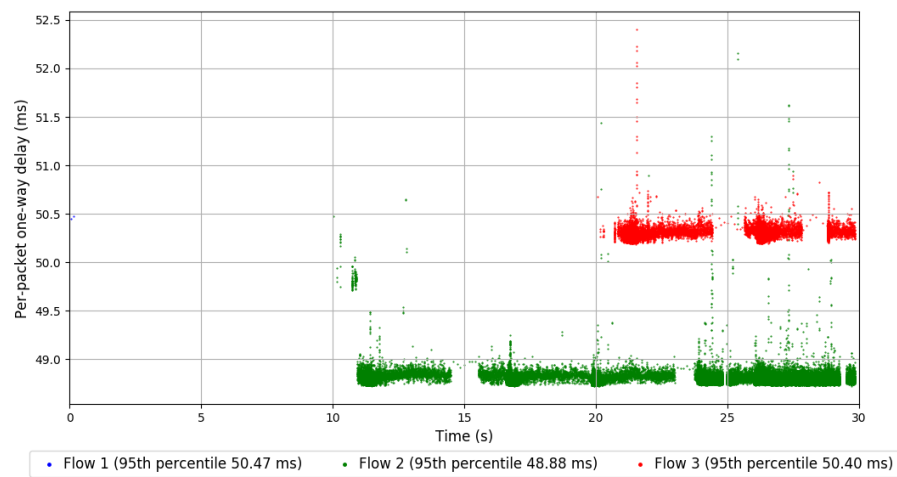
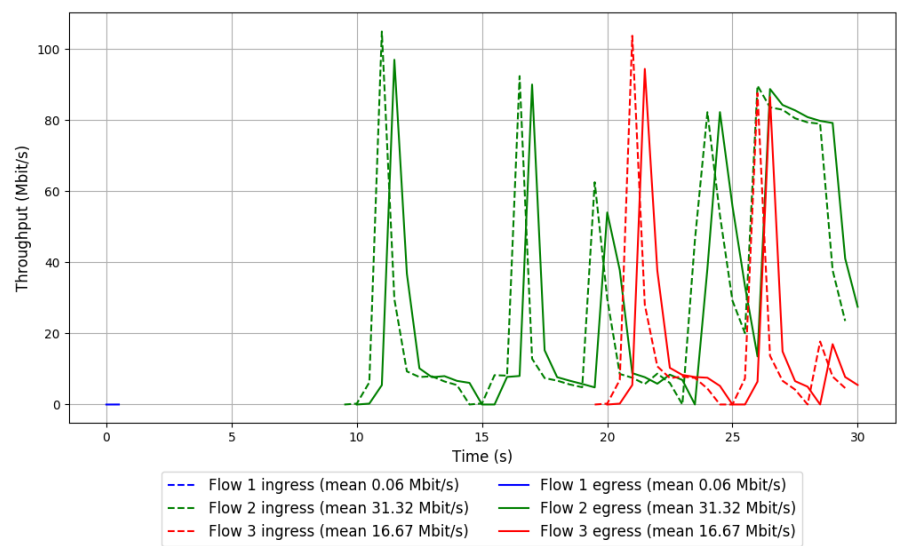
-- Flow 3:

Average throughput: 16.67 Mbit/s

95th percentile per-packet one-way delay: 50.400 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-20 07:33:39

End at: 2018-07-20 07:34:09

Local clock offset: 0.182 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 13:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 111.96 Mbit/s

95th percentile per-packet one-way delay: 50.476 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.20 Mbit/s

95th percentile per-packet one-way delay: 50.512 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.05 Mbit/s

95th percentile per-packet one-way delay: 49.341 ms

Loss rate: 0.00%

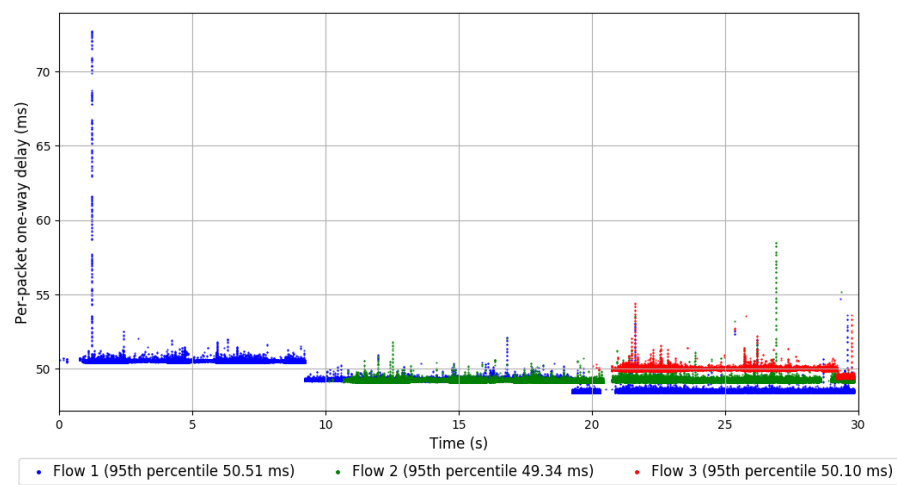
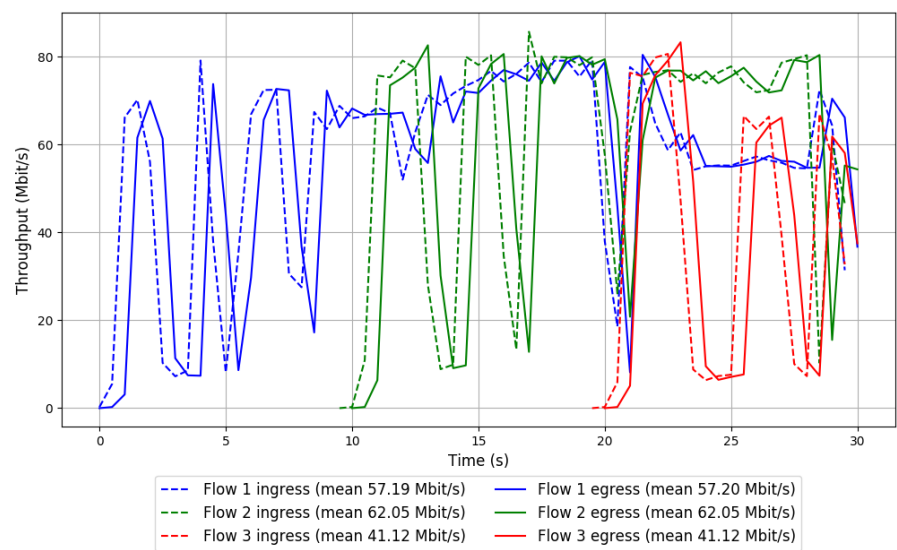
-- Flow 3:

Average throughput: 41.12 Mbit/s

95th percentile per-packet one-way delay: 50.103 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

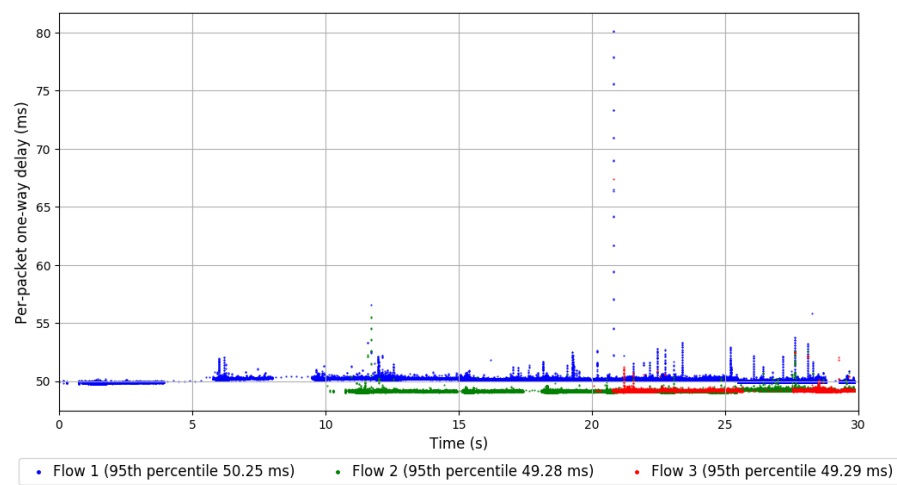
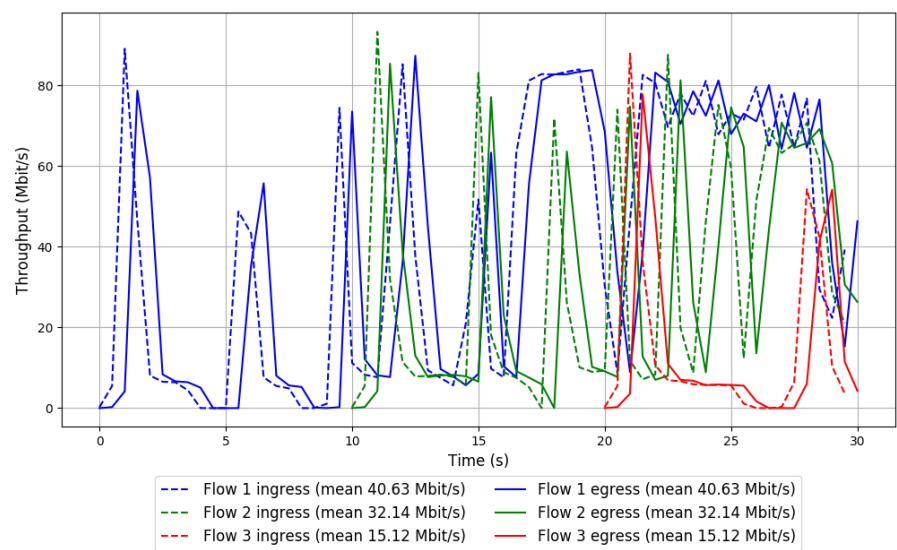


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-20 07:58:53
End at: 2018-07-20 07:59:23
Local clock offset: 0.267 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.94 Mbit/s
95th percentile per-packet one-way delay: 50.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 50.254 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 49.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.12 Mbit/s
95th percentile per-packet one-way delay: 49.287 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

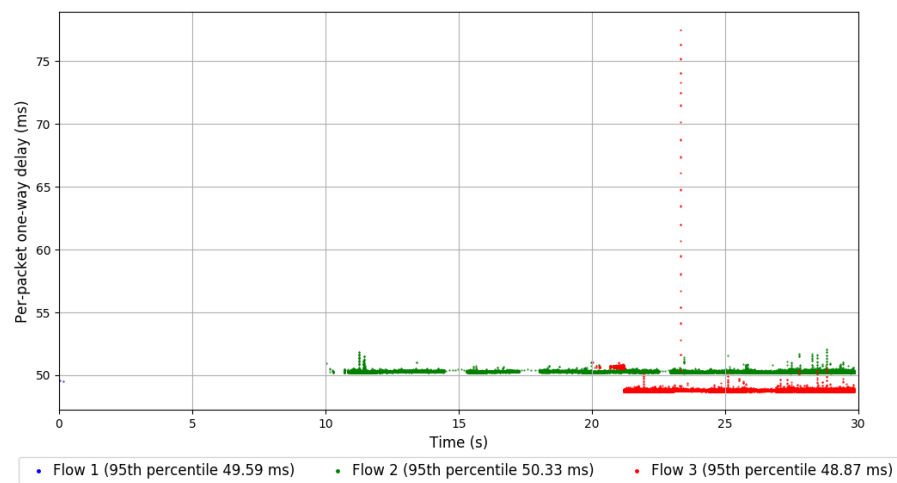
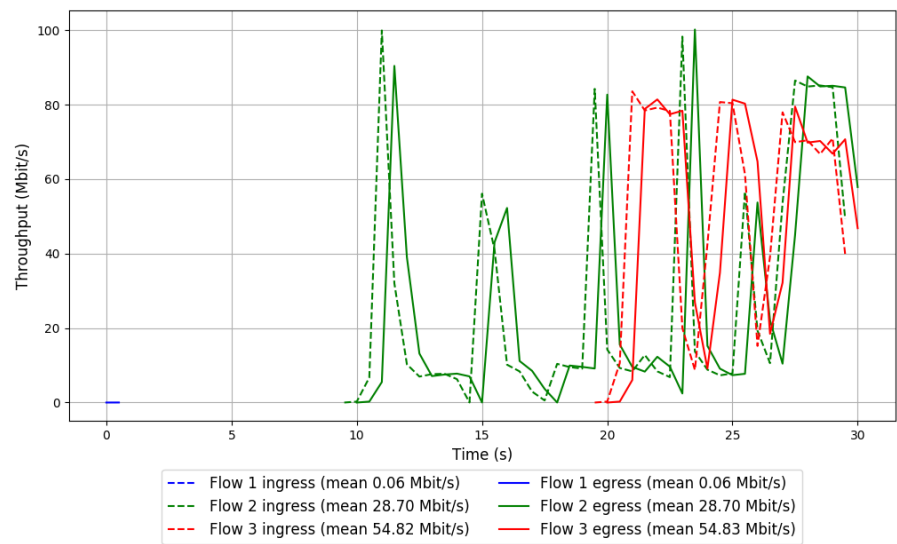


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-20 08:23:47
End at: 2018-07-20 08:24:17
Local clock offset: -0.117 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 50.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.585 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 50.331 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 48.872 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

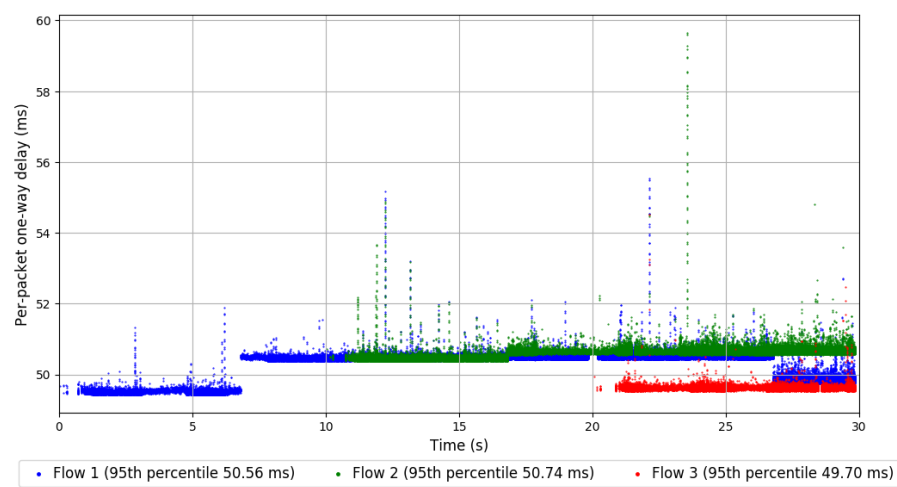
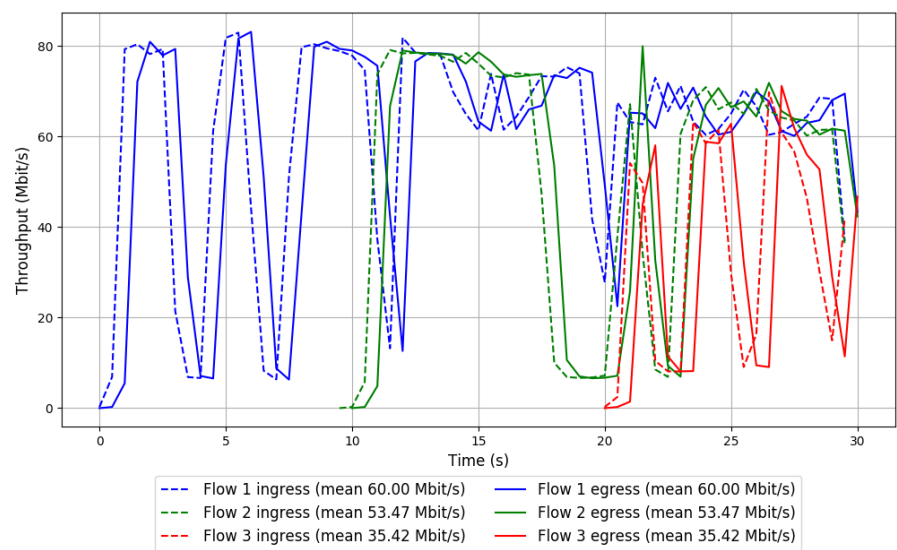


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-20 08:48:41
End at: 2018-07-20 08:49:11
Local clock offset: -0.006 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.15 Mbit/s
95th percentile per-packet one-way delay: 50.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 50.564 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 49.703 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

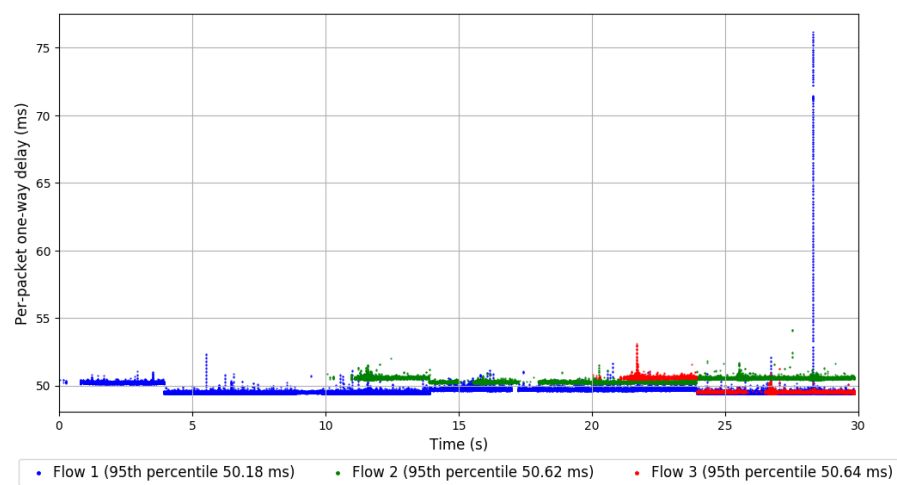
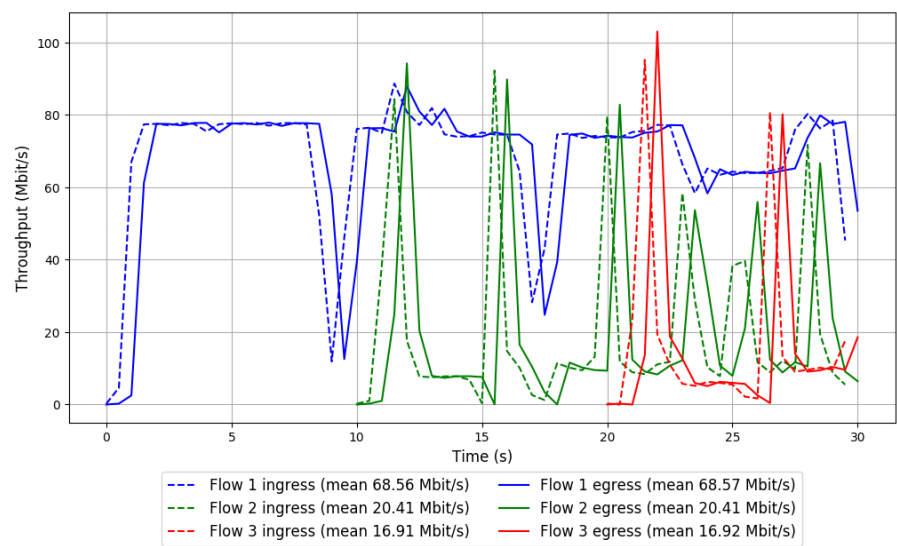


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-20 09:14:04
End at: 2018-07-20 09:14:34
Local clock offset: 0.011 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 50.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.57 Mbit/s
95th percentile per-packet one-way delay: 50.183 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 50.619 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: 50.643 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-20 09:39:02

End at: 2018-07-20 09:39:32

Local clock offset: -0.055 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-20 13:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 50.530 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.46 Mbit/s

95th percentile per-packet one-way delay: 50.525 ms

Loss rate: 0.00%

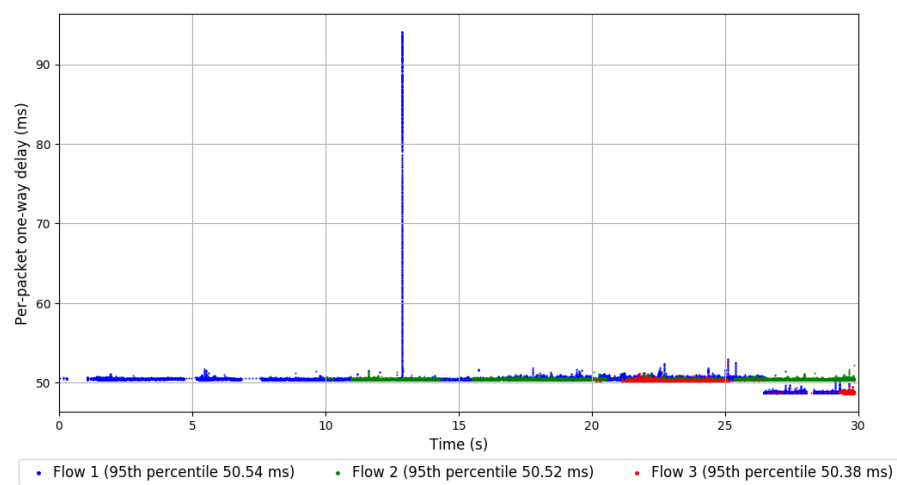
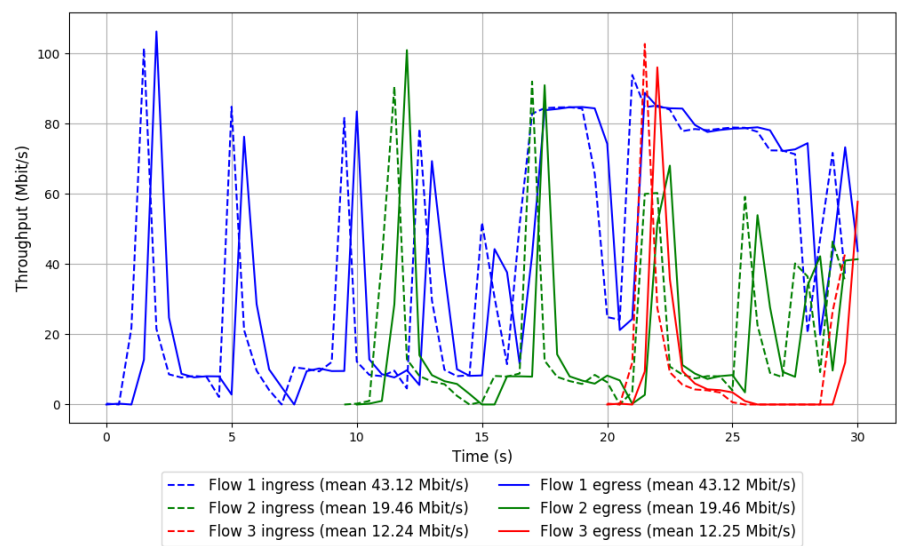
-- Flow 3:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 50.375 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

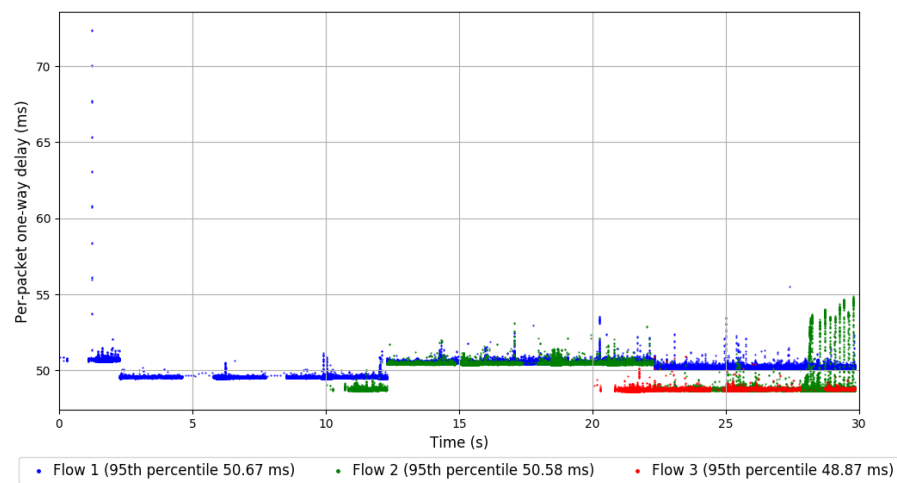
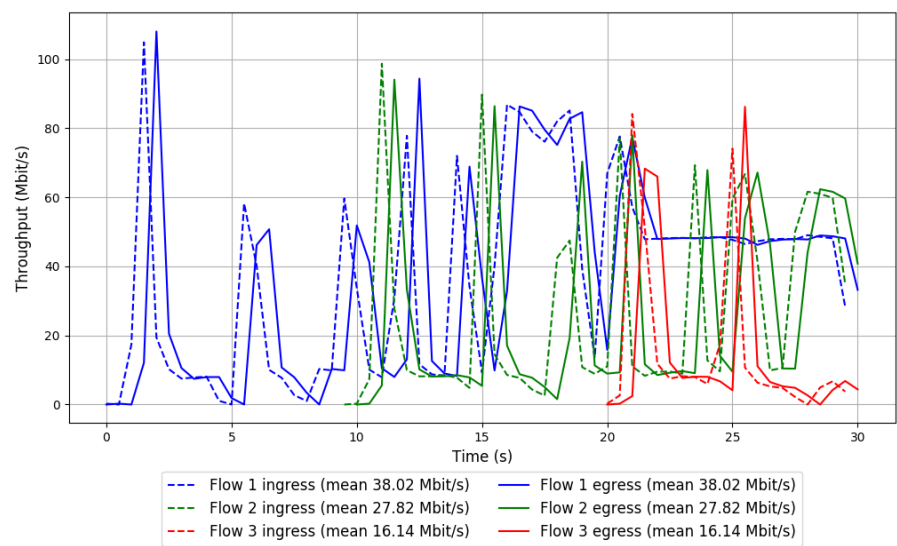


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-20 10:03:56
End at: 2018-07-20 10:04:26
Local clock offset: -0.154 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 50.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 50.582 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.14 Mbit/s
95th percentile per-packet one-way delay: 48.870 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

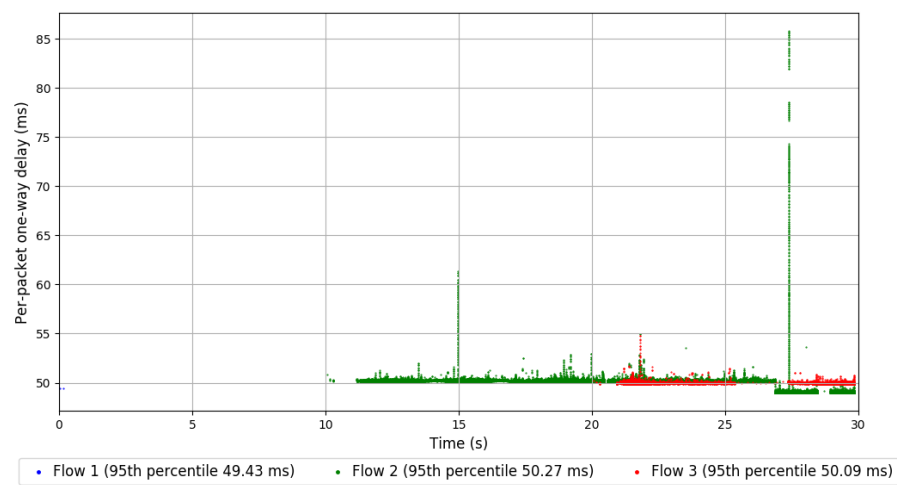
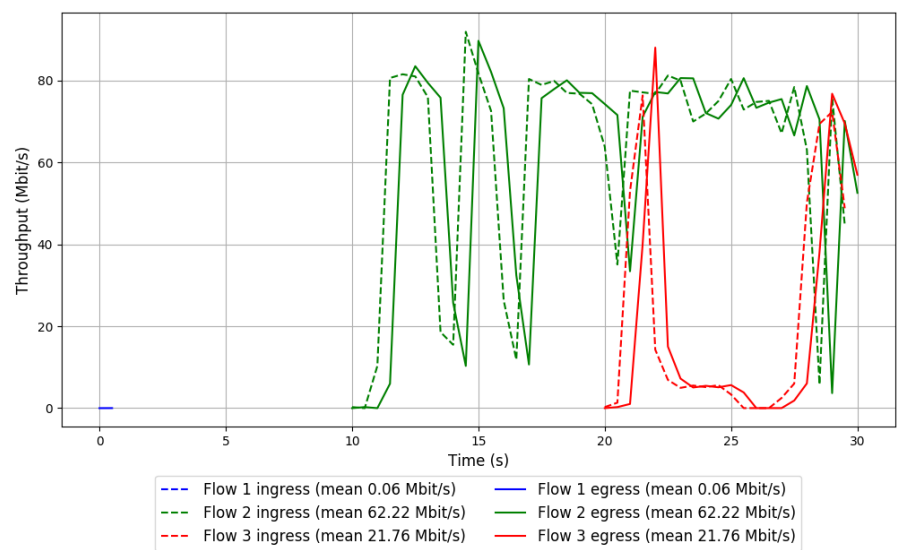


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-20 10:28:41
End at: 2018-07-20 10:29:11
Local clock offset: 0.154 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 49.434 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.22 Mbit/s
95th percentile per-packet one-way delay: 50.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.76 Mbit/s
95th percentile per-packet one-way delay: 50.088 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

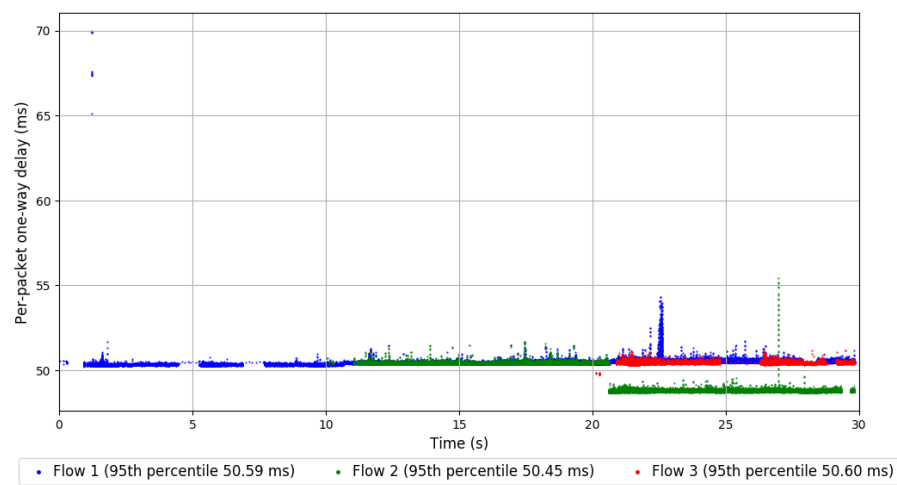
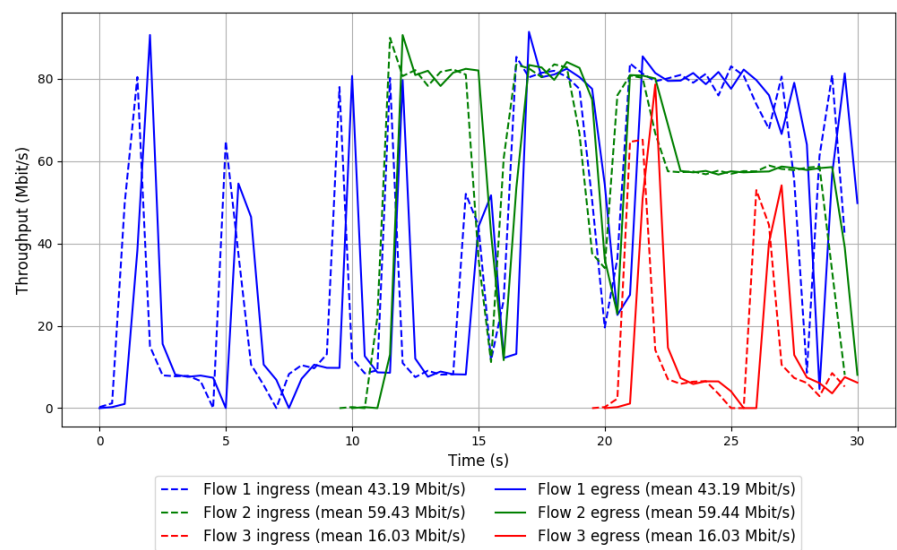


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-20 10:53:27
End at: 2018-07-20 10:53:57
Local clock offset: -0.284 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 50.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 50.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 50.599 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

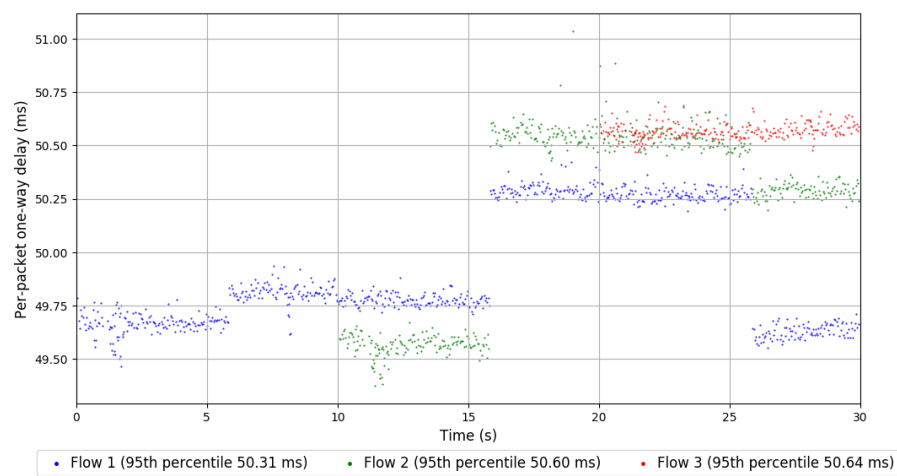
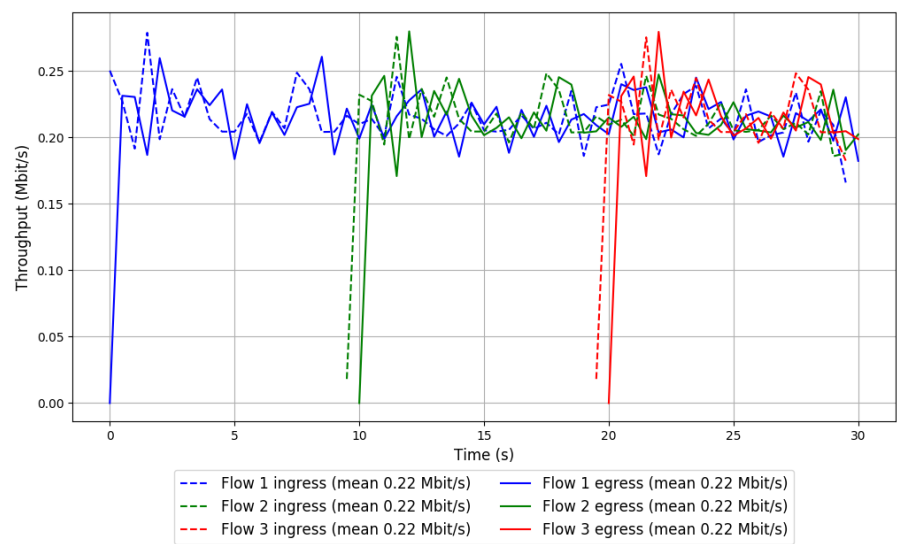


```
Run 1: Statistics of SReAM

Start at: 2018-07-20 07:22:02
End at: 2018-07-20 07:22:32
Local clock offset: -0.107 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-07-20 13:40:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.640 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

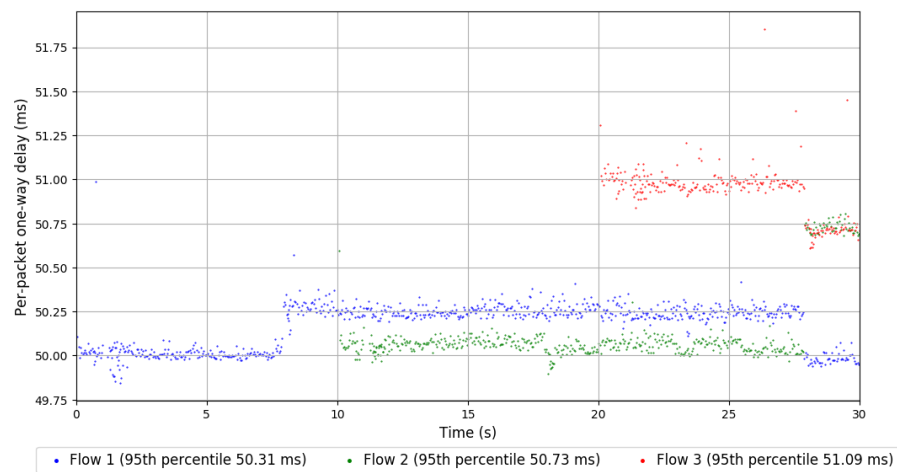
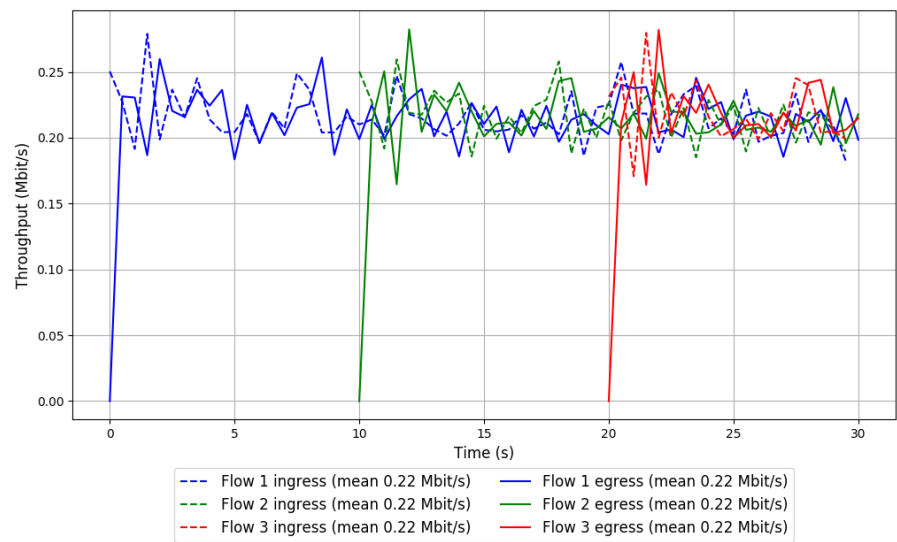


Run 2: Statistics of SReAM

Start at: 2018-07-20 07:47:10
End at: 2018-07-20 07:47:40
Local clock offset: -0.466 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.726 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.087 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

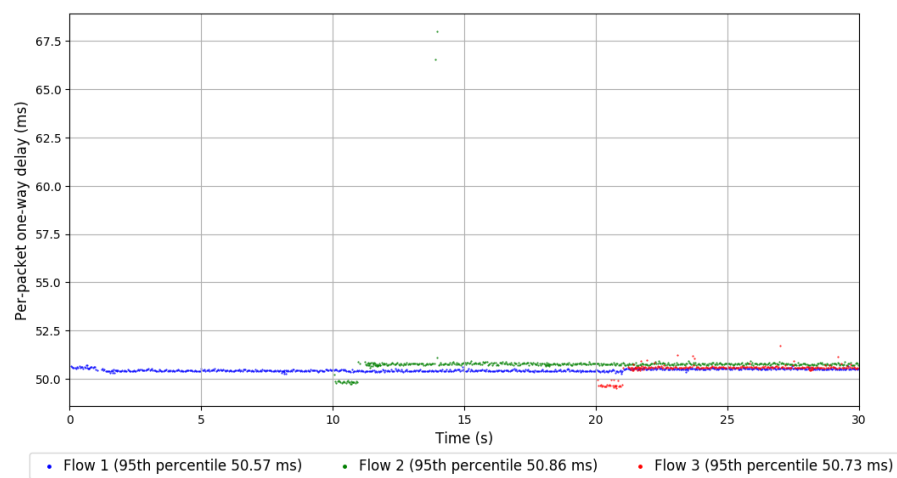
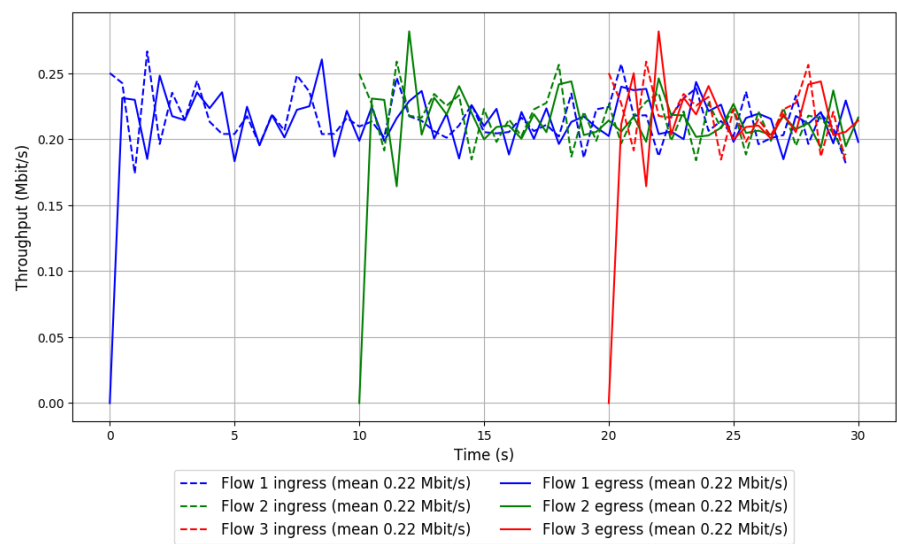


Run 3: Statistics of SReAM

Start at: 2018-07-20 08:12:07
End at: 2018-07-20 08:12:37
Local clock offset: -0.126 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.568 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.734 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

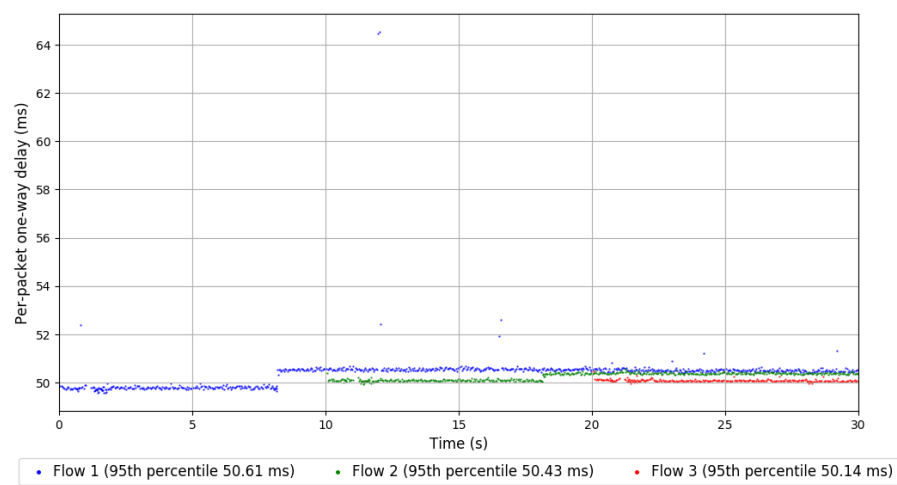
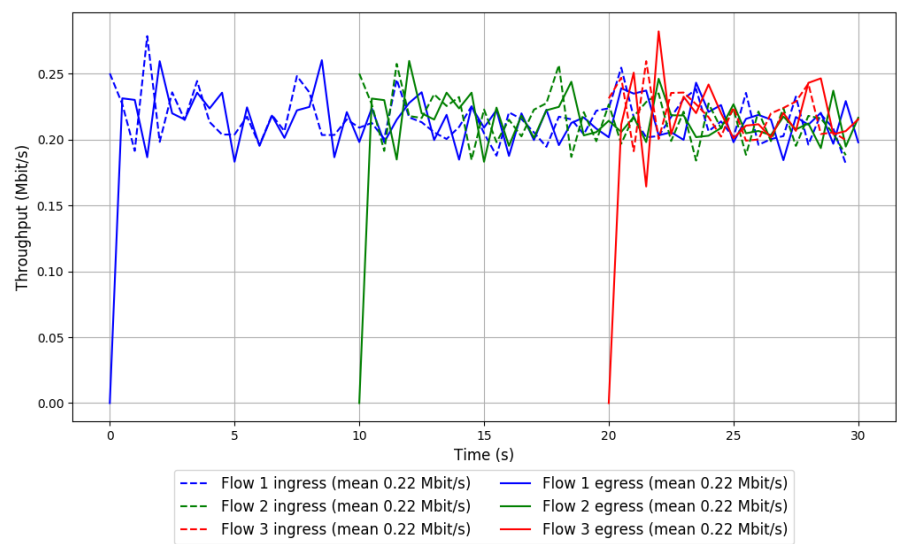


Run 4: Statistics of SReAM

Start at: 2018-07-20 08:37:10
End at: 2018-07-20 08:37:40
Local clock offset: 0.214 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.143 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

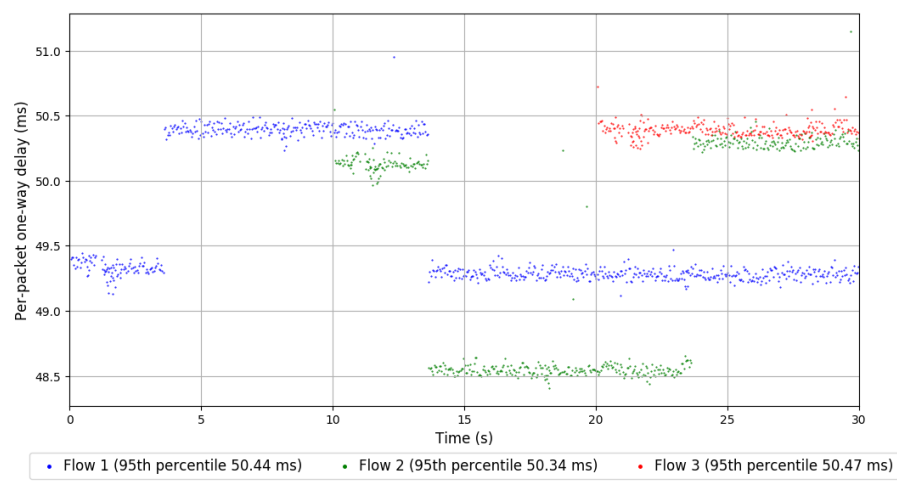
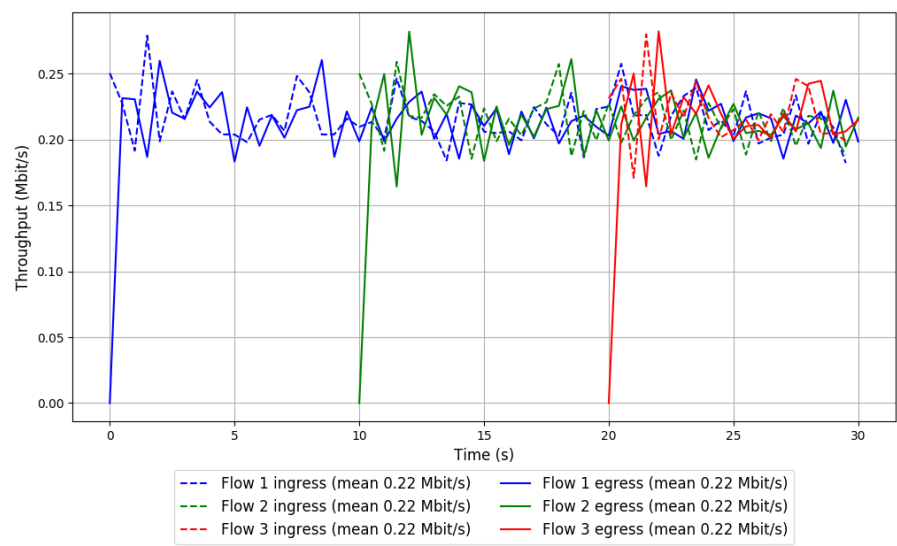


Run 5: Statistics of SReAM

Start at: 2018-07-20 09:02:15
End at: 2018-07-20 09:02:45
Local clock offset: 0.338 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.337 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.473 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

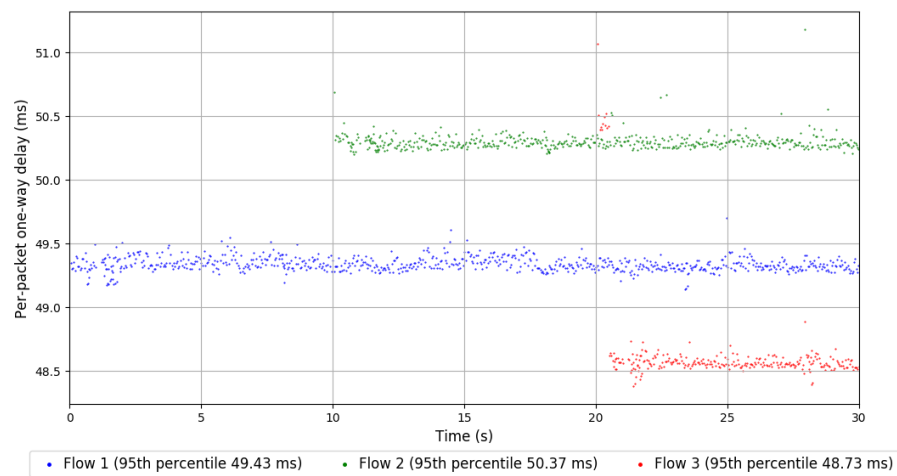
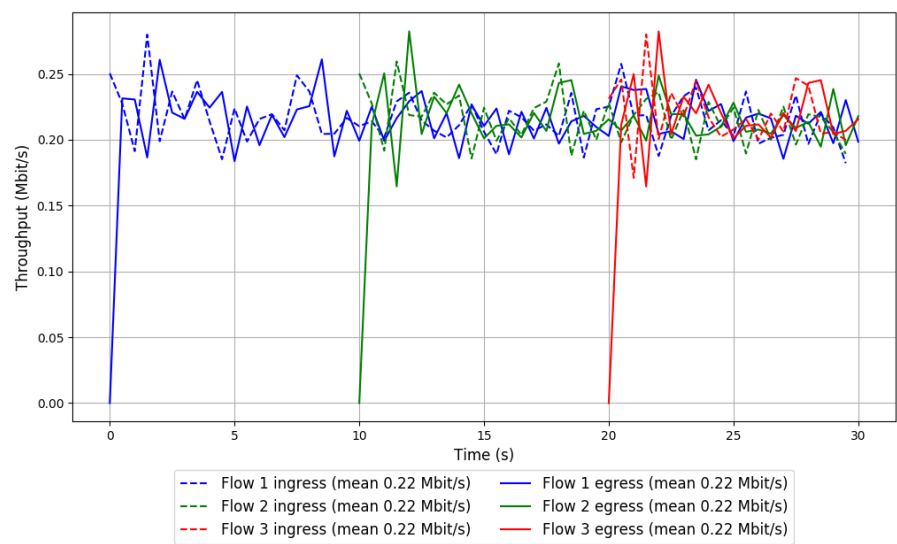


Run 6: Statistics of SReAM

Start at: 2018-07-20 09:27:28
End at: 2018-07-20 09:27:58
Local clock offset: 0.293 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.728 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-20 09:52:19

End at: 2018-07-20 09:52:49

Local clock offset: -0.12 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-20 13:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.058 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.724 ms

Loss rate: 0.00%

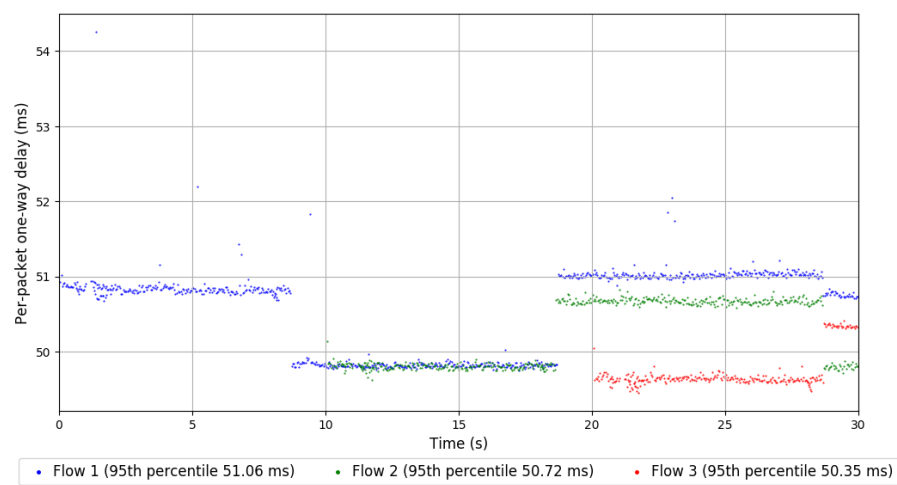
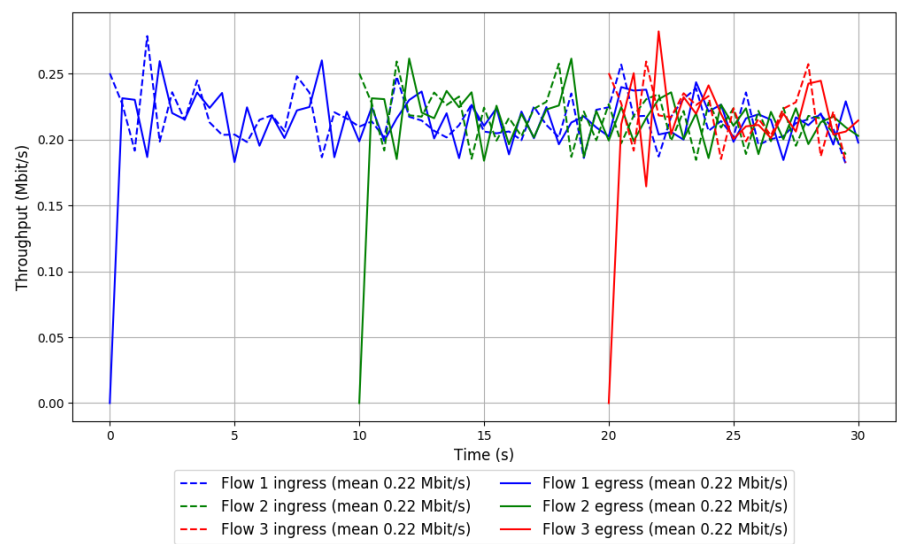
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.346 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

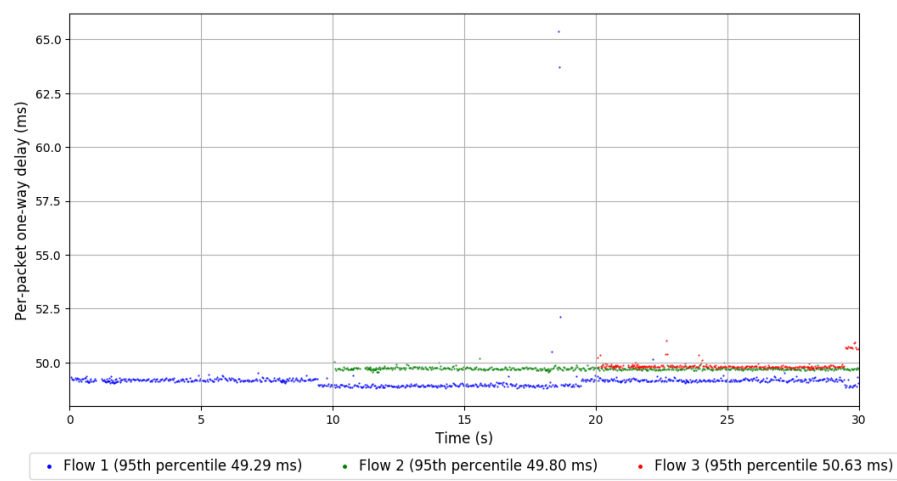
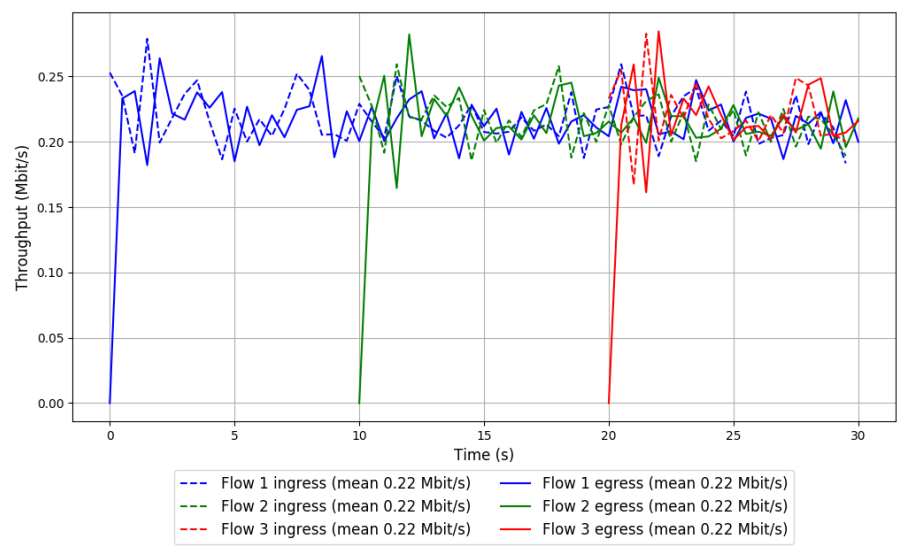


Run 8: Statistics of SReAM

Start at: 2018-07-20 10:17:09
End at: 2018-07-20 10:17:39
Local clock offset: -0.204 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 49.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

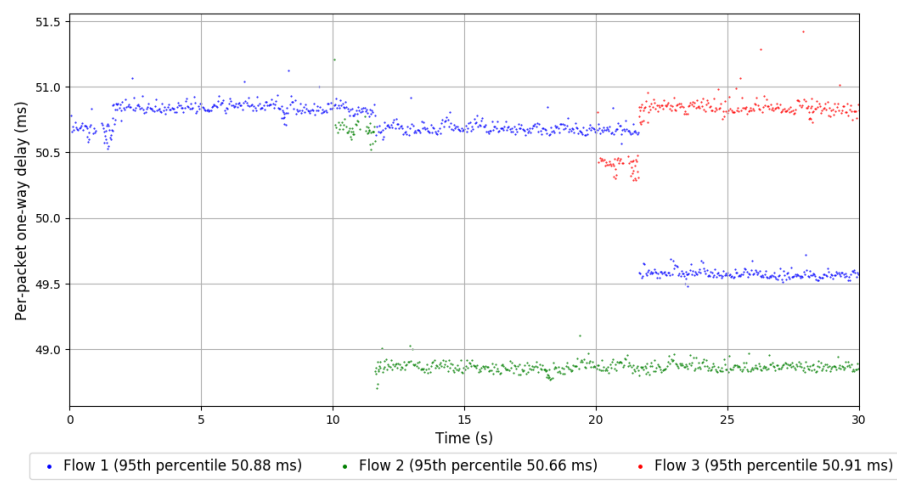
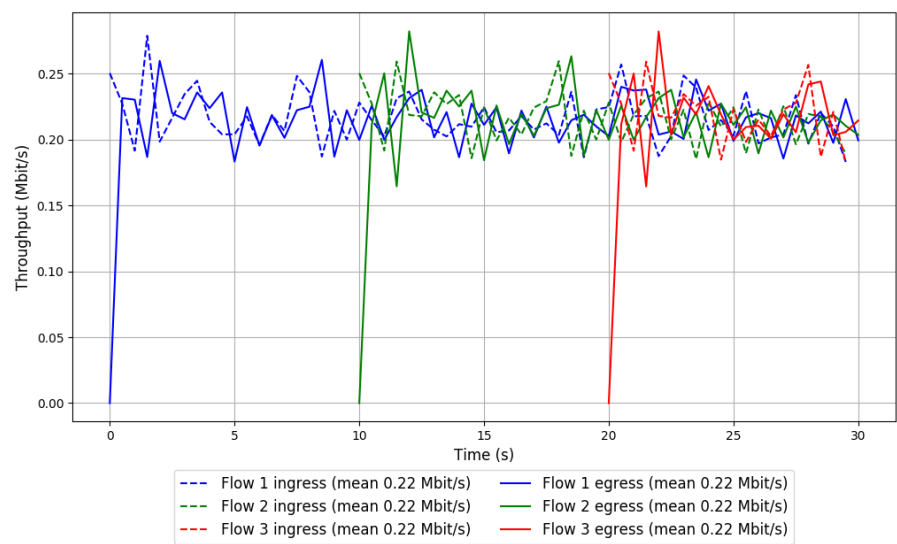


Run 9: Statistics of SReAM

Start at: 2018-07-20 10:41:47
End at: 2018-07-20 10:42:17
Local clock offset: -0.241 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.910 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-20 11:06:49

End at: 2018-07-20 11:07:19

Local clock offset: 0.078 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-20 13:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.505 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.341 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.558 ms

Loss rate: 0.00%

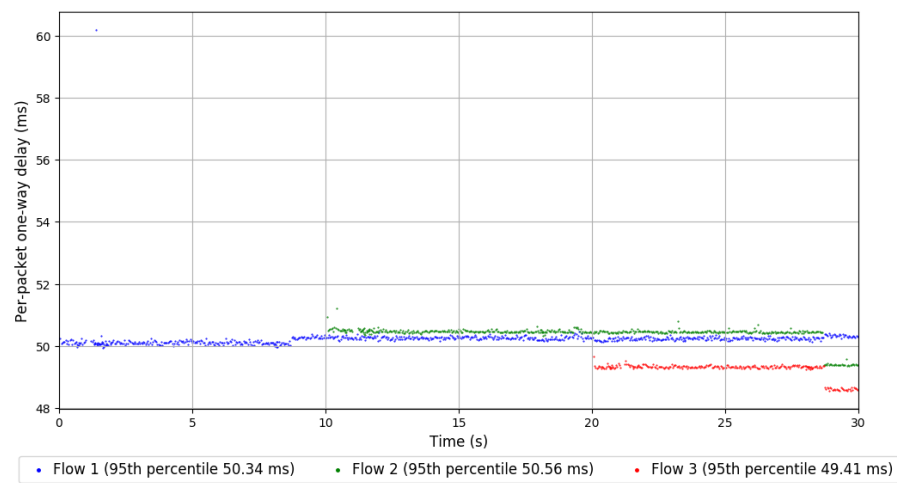
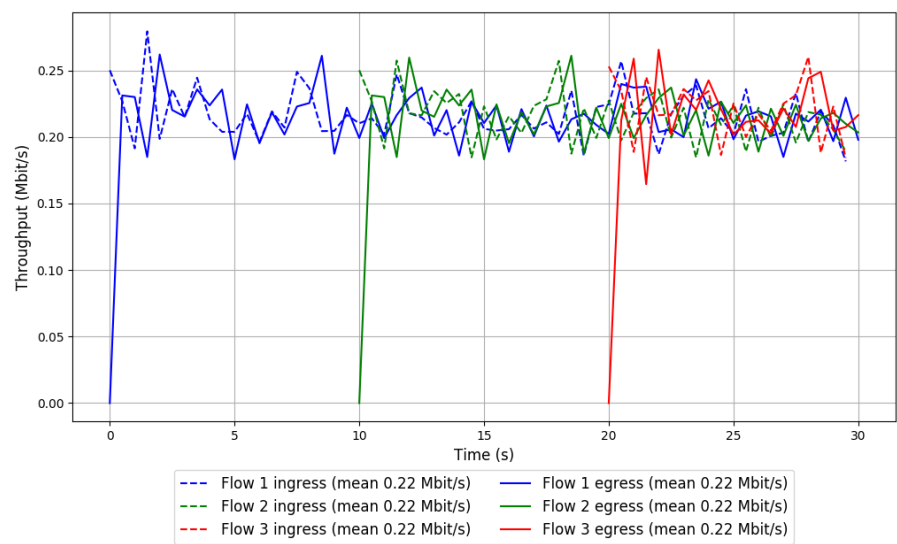
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.408 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

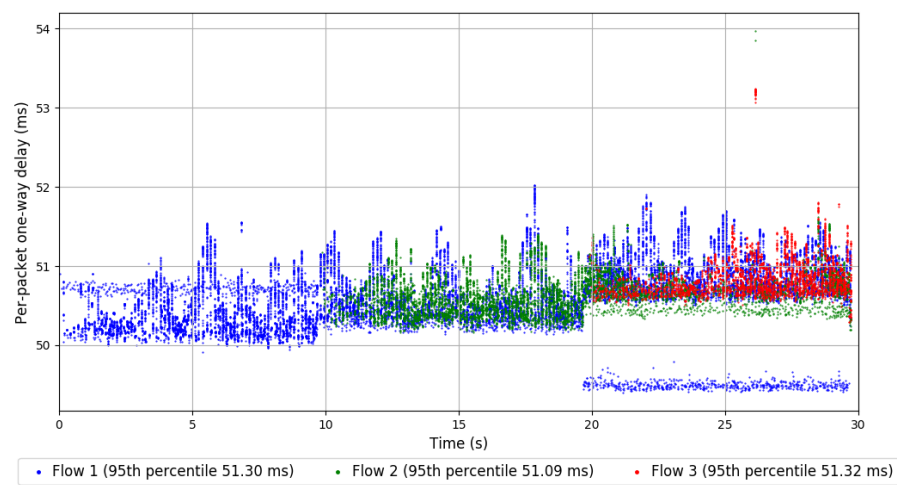
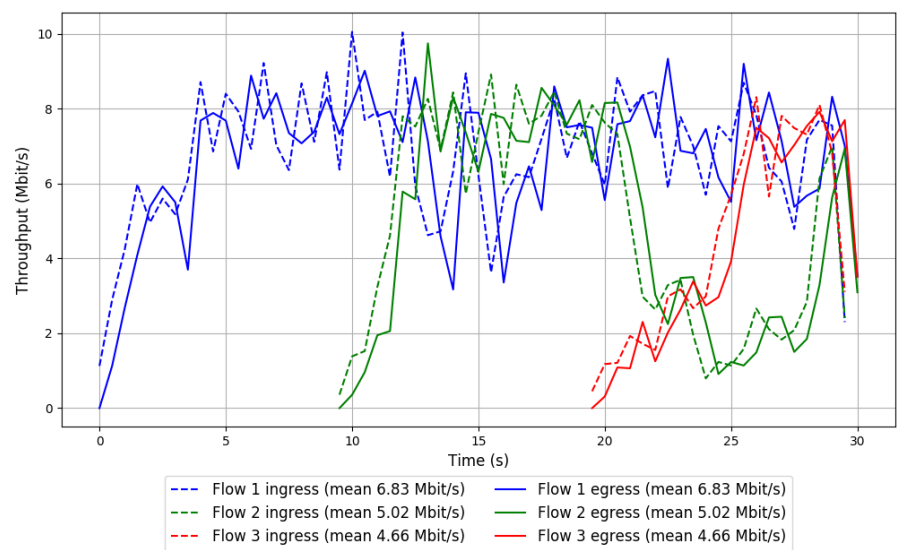


Run 1: Statistics of Sprout

Start at: 2018-07-20 07:06:18
End at: 2018-07-20 07:06:48
Local clock offset: -0.164 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 51.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 51.296 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 51.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 51.316 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-20 07:31:02

End at: 2018-07-20 07:31:32

Local clock offset: 0.232 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-20 13:40:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 50.707 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 50.789 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 50.410 ms

Loss rate: 0.00%

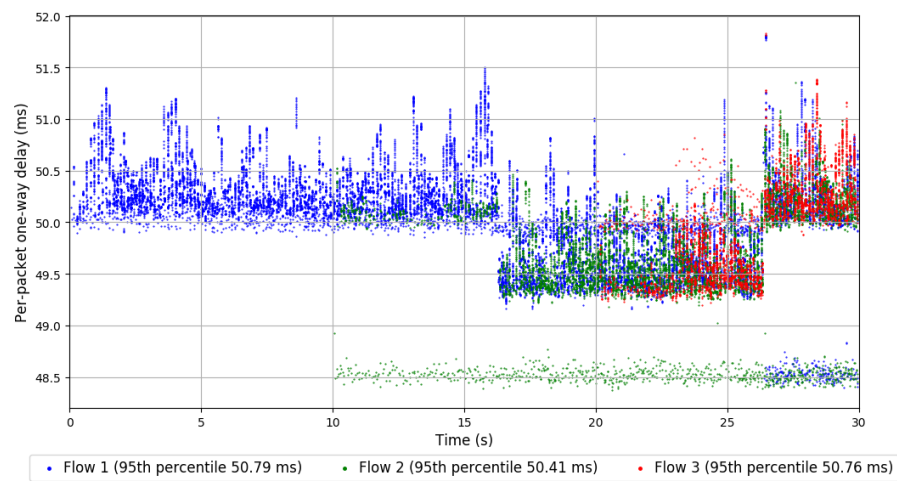
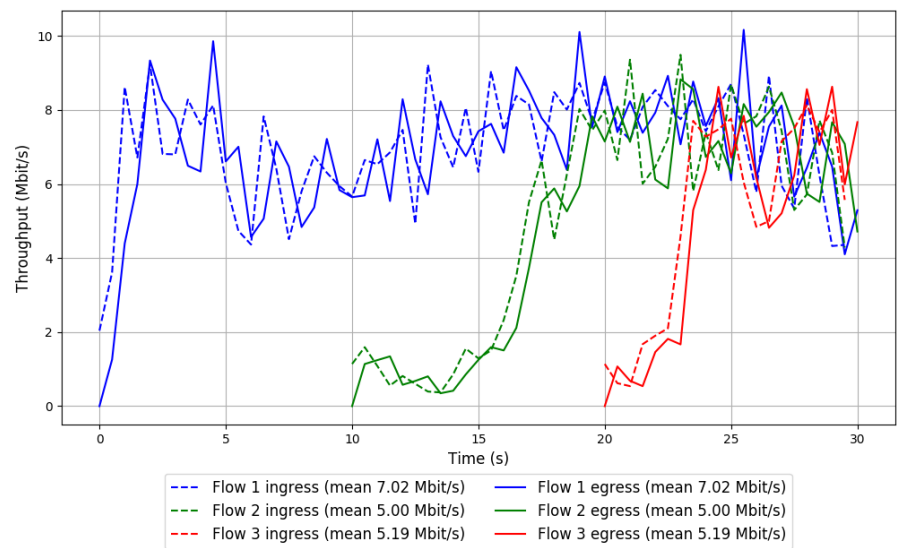
-- Flow 3:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 50.760 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

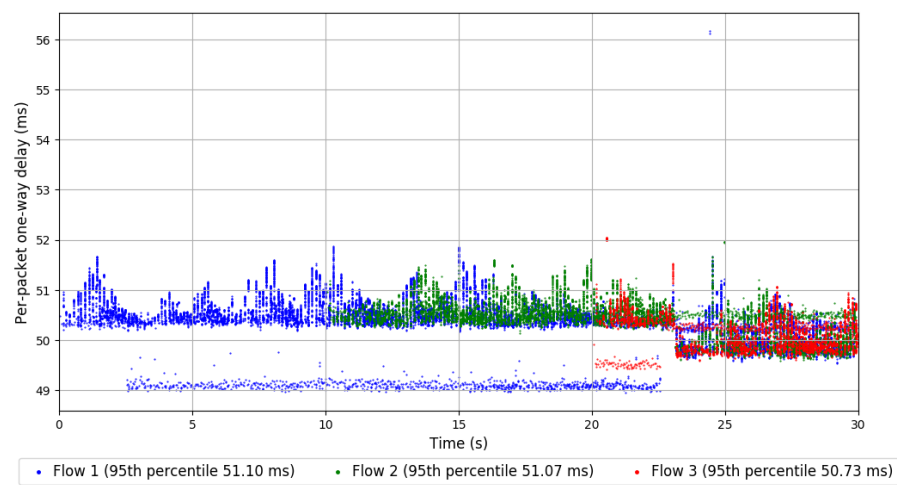
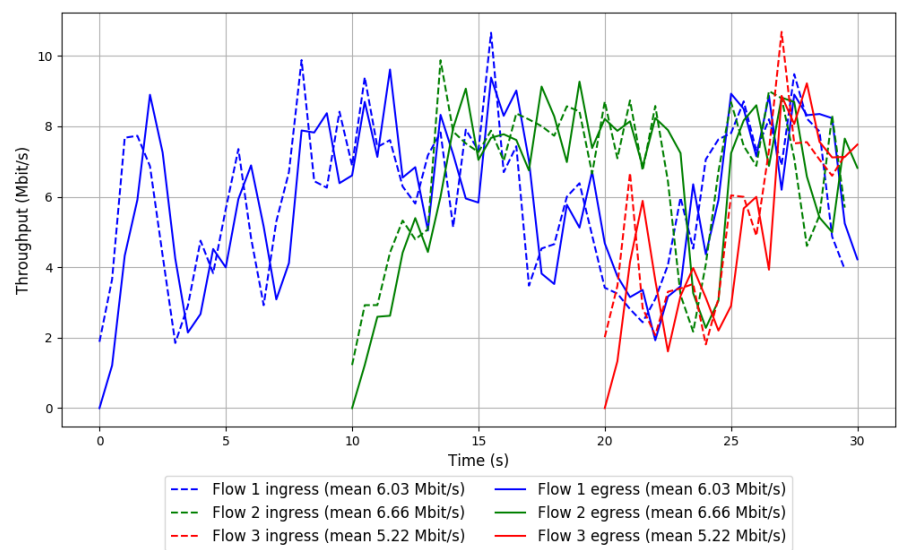


Run 3: Statistics of Sprout

Start at: 2018-07-20 07:56:15
End at: 2018-07-20 07:56:46
Local clock offset: -0.066 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

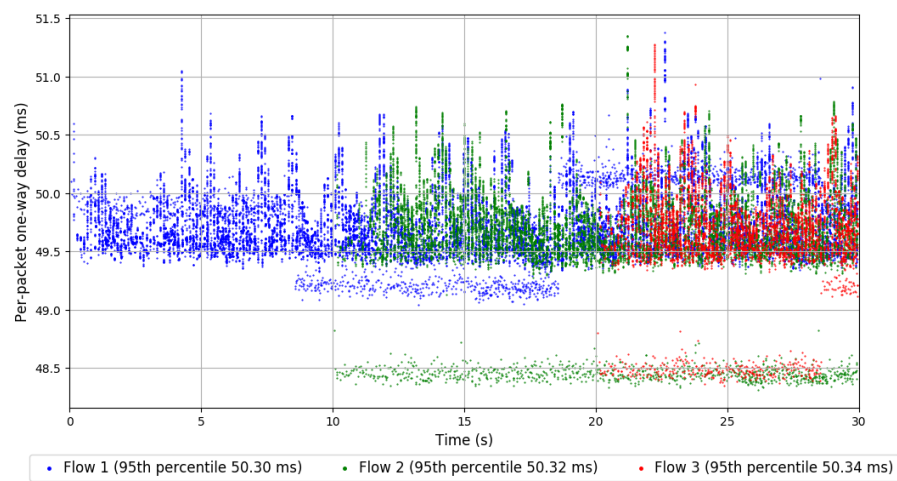
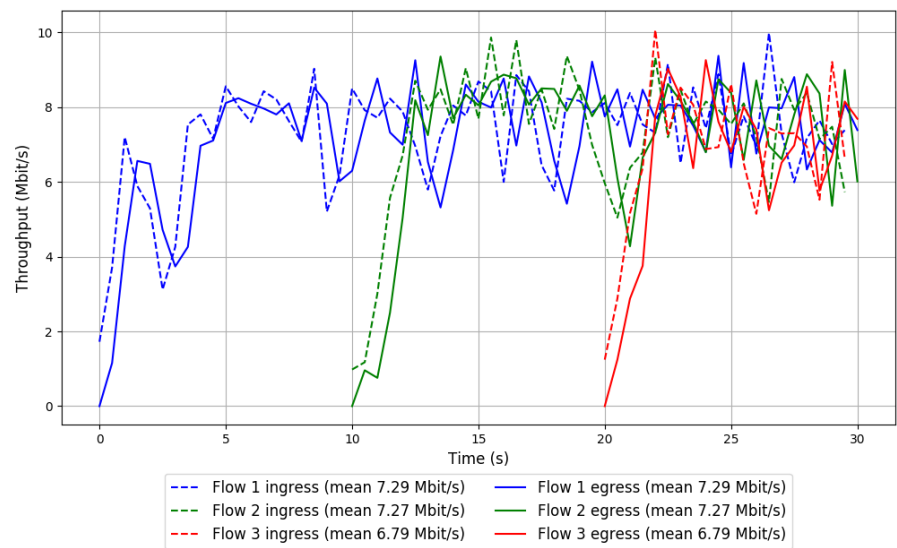


Run 4: Statistics of Sprout

Start at: 2018-07-20 08:21:10
End at: 2018-07-20 08:21:40
Local clock offset: 0.274 ms
Remote clock offset: -0.091 ms

```
# Below is generated by plot.py at 2018-07-20 13:40:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 50.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 50.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 50.319 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

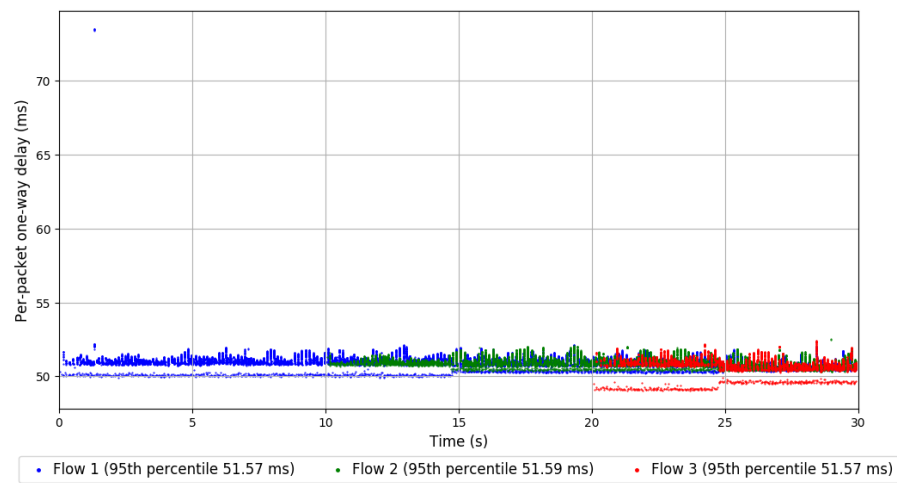
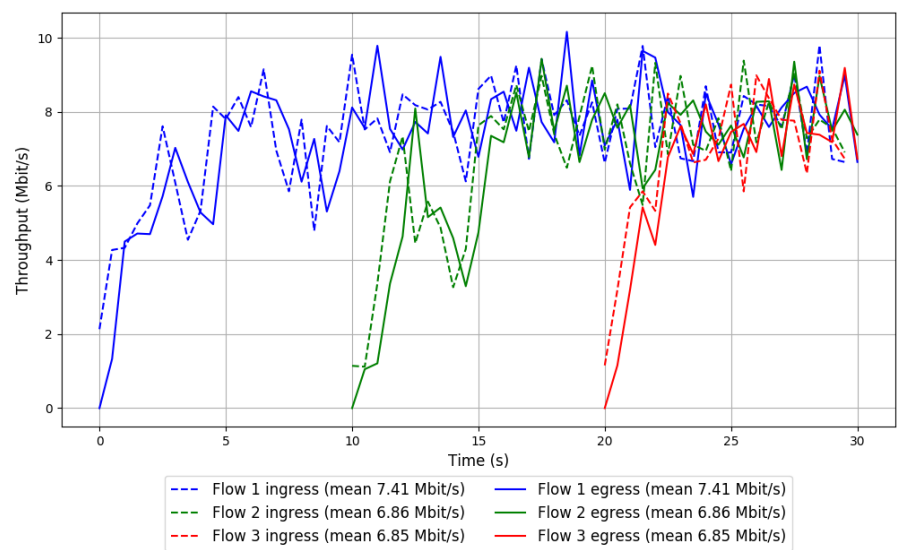


Run 5: Statistics of Sprout

Start at: 2018-07-20 08:46:03
End at: 2018-07-20 08:46:33
Local clock offset: -0.095 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 51.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 51.566 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 51.595 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 51.570 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

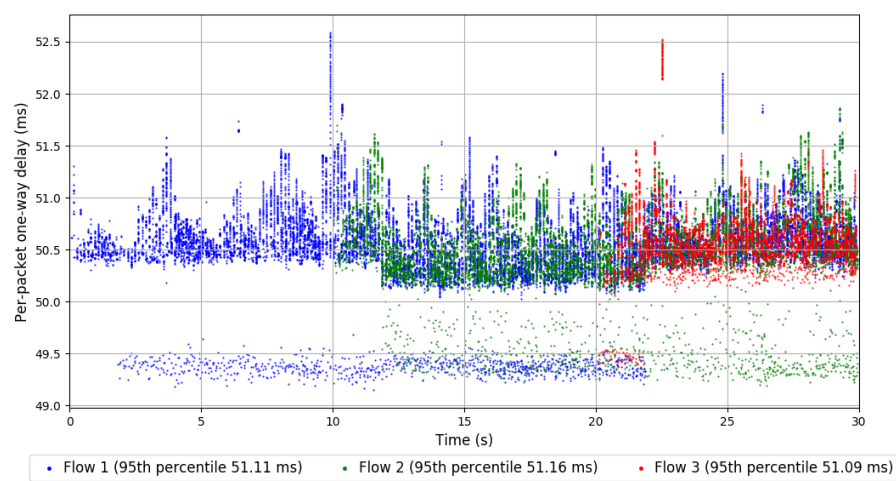
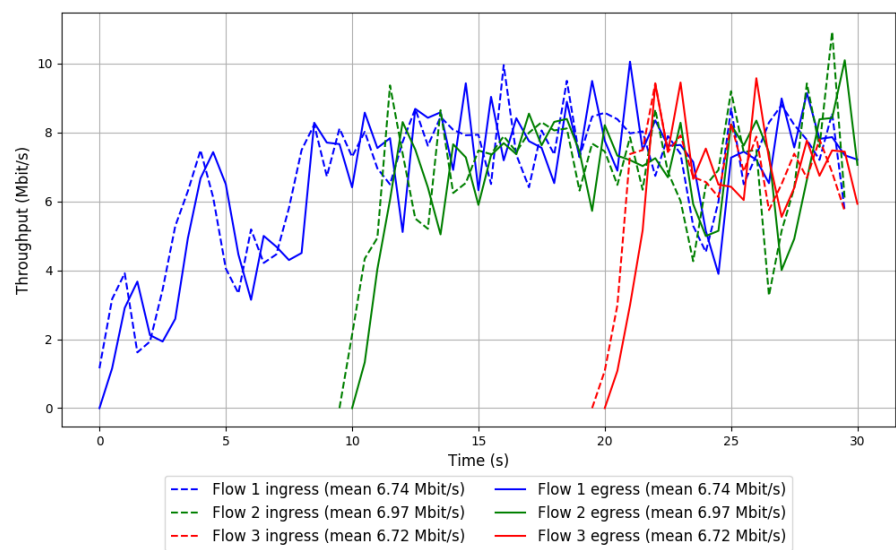


Run 6: Statistics of Sprout

Start at: 2018-07-20 09:11:26
End at: 2018-07-20 09:11:56
Local clock offset: 0.332 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 51.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 51.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 51.085 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

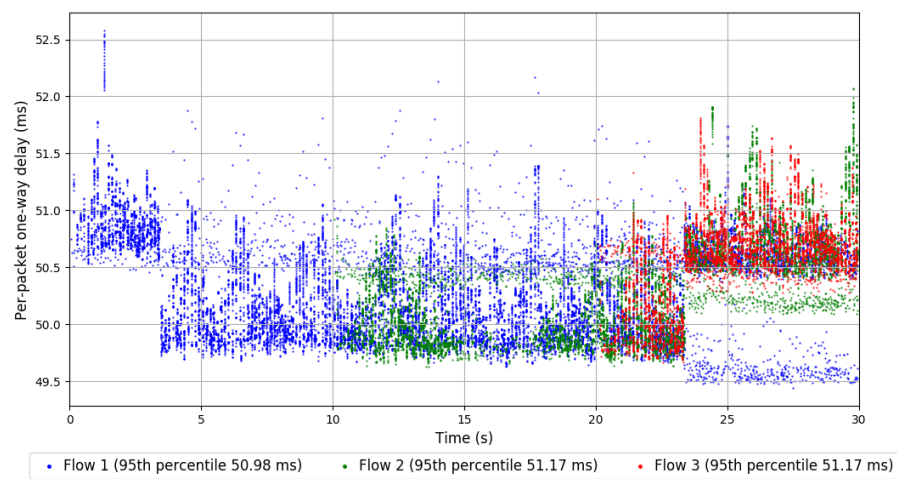
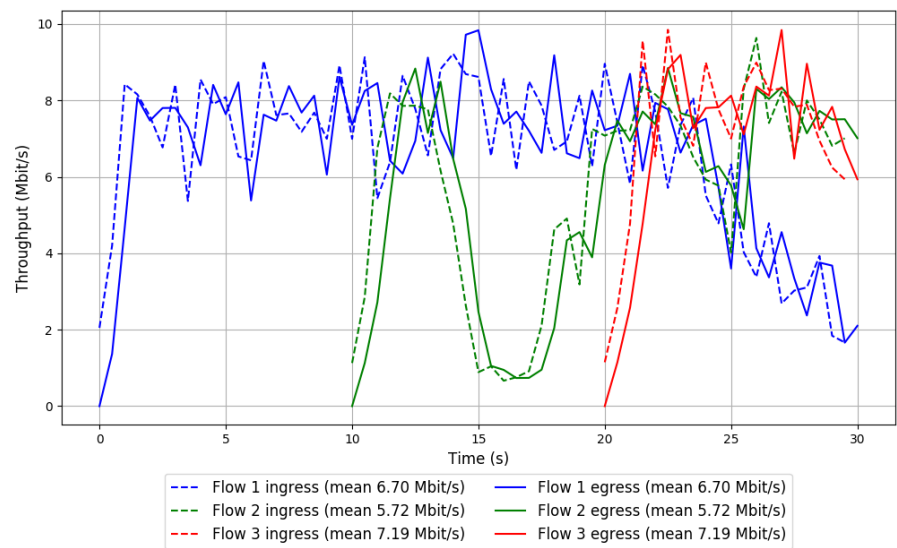


Run 7: Statistics of Sprout

Start at: 2018-07-20 09:36:25
End at: 2018-07-20 09:36:55
Local clock offset: -0.047 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 51.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 50.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 51.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 51.175 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

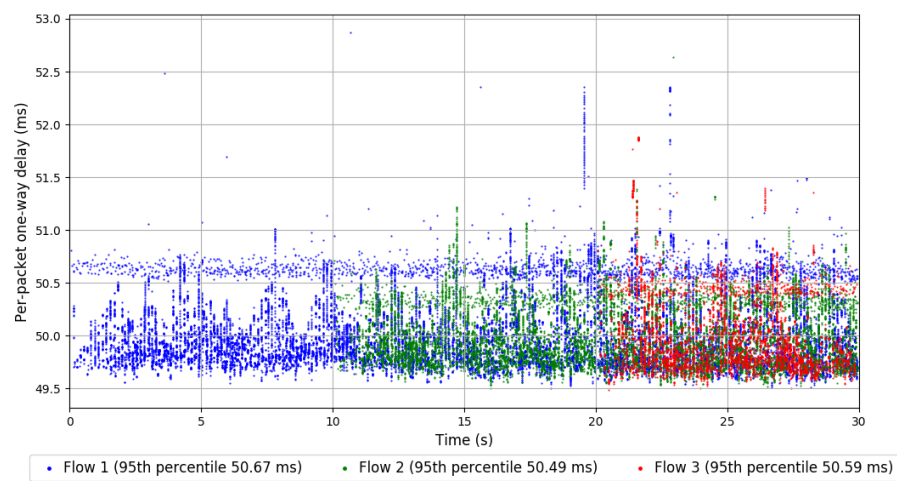
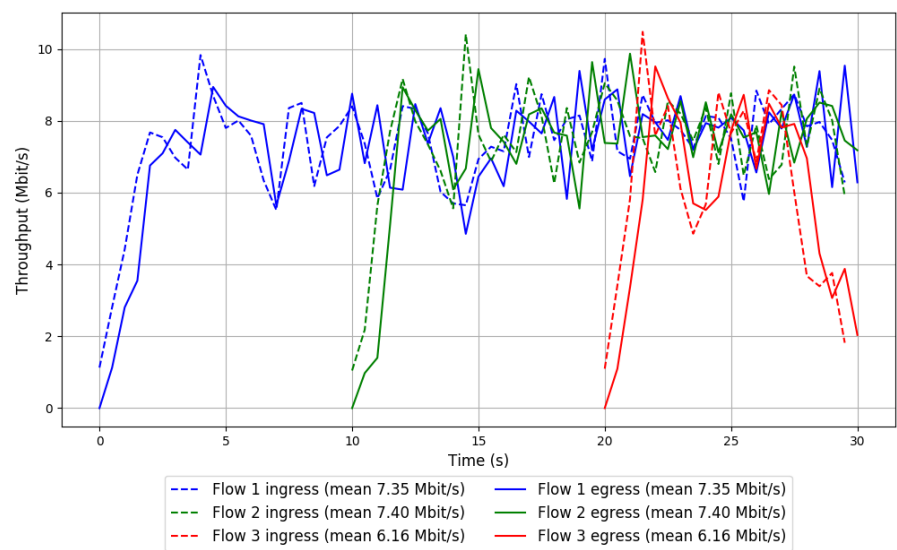


Run 8: Statistics of Sprout

Start at: 2018-07-20 10:01:16
End at: 2018-07-20 10:01:46
Local clock offset: -0.176 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 50.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 50.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 50.587 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

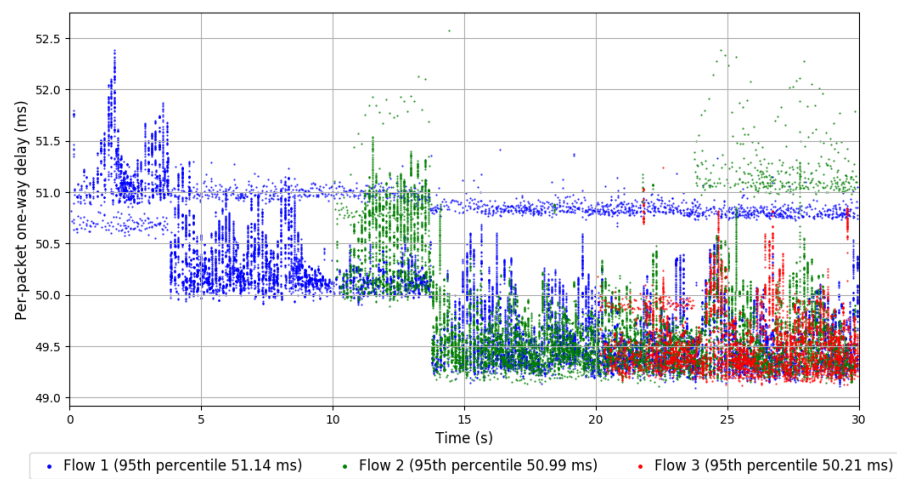
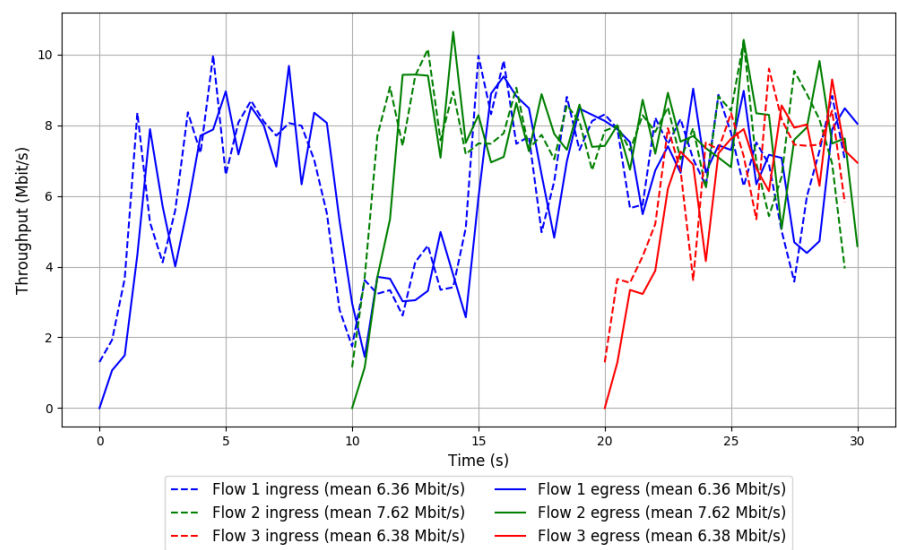


Run 9: Statistics of Sprout

Start at: 2018-07-20 10:26:04
End at: 2018-07-20 10:26:34
Local clock offset: -0.583 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 51.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 51.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 50.987 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 50.208 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

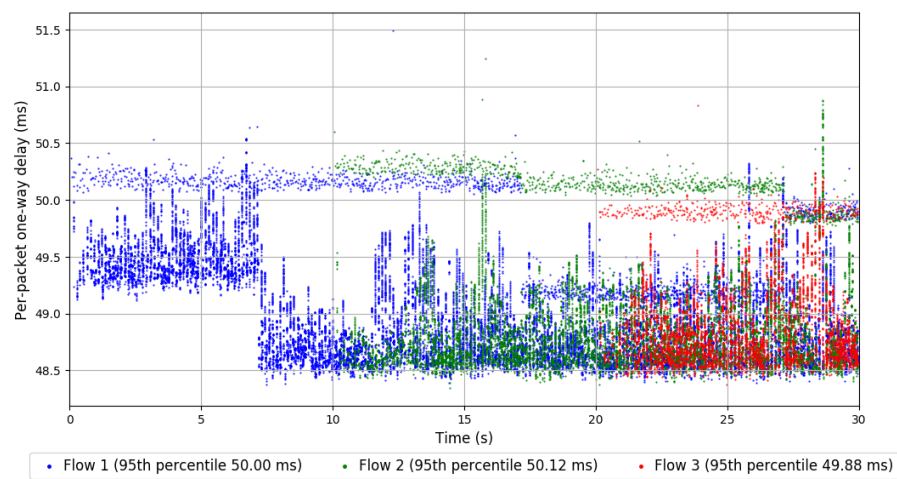
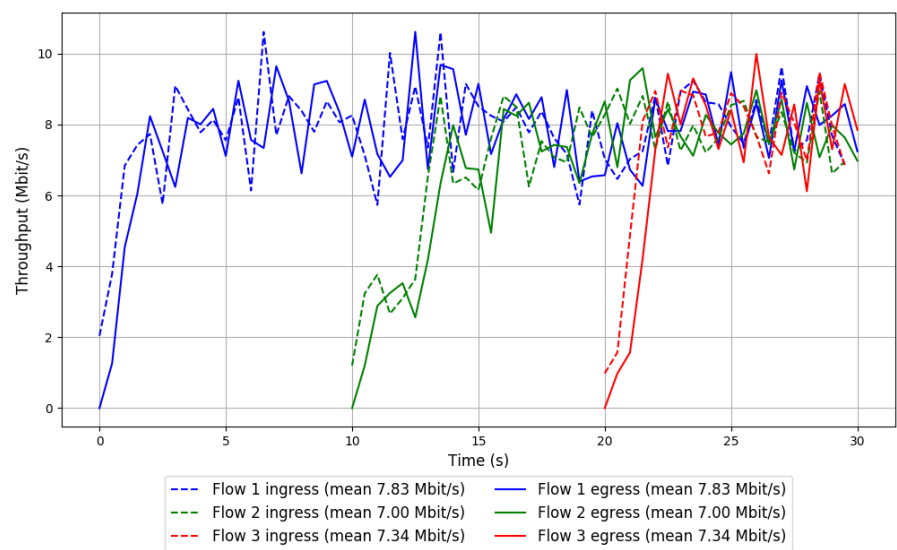


Run 10: Statistics of Sprout

Start at: 2018-07-20 10:50:51
End at: 2018-07-20 10:51:21
Local clock offset: 0.127 ms
Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-20 13:40:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 49.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 49.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 50.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 49.876 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

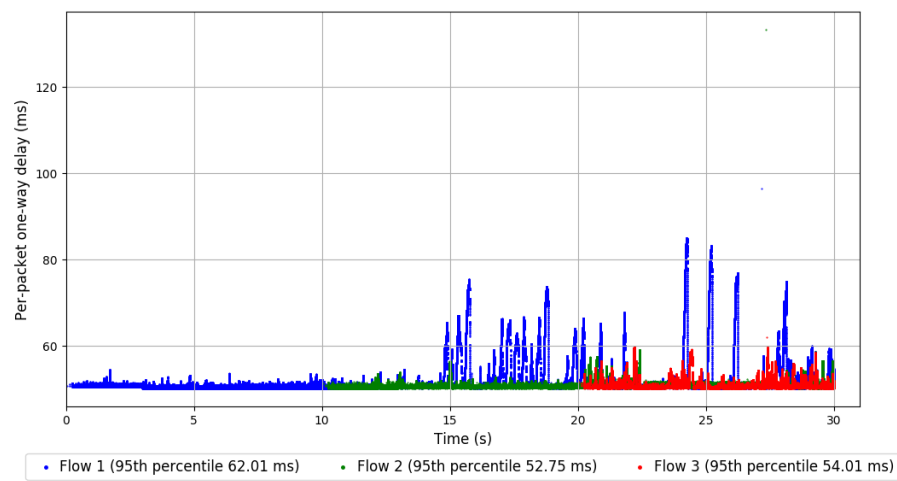
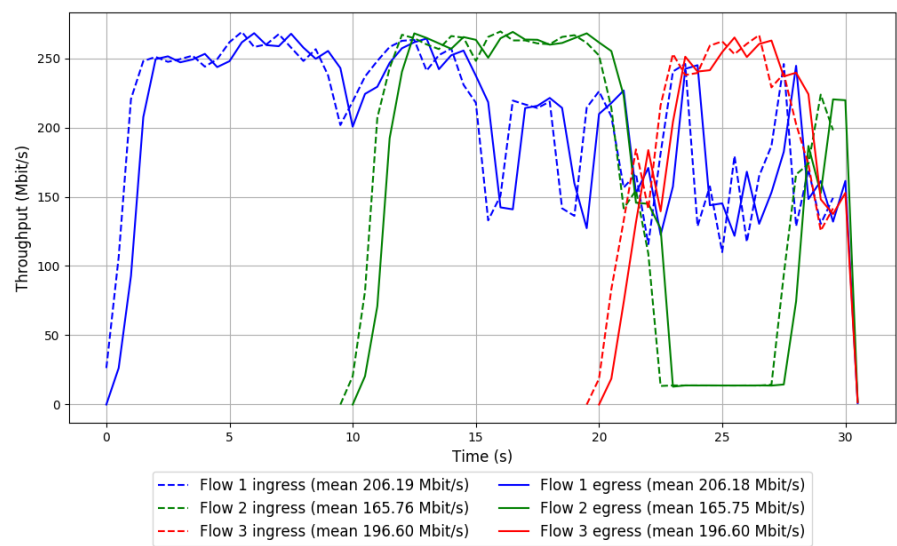


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-20 07:18:55
End at: 2018-07-20 07:19:25
Local clock offset: -0.123 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-07-20 13:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 382.02 Mbit/s
95th percentile per-packet one-way delay: 57.126 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 206.18 Mbit/s
95th percentile per-packet one-way delay: 62.011 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 165.75 Mbit/s
95th percentile per-packet one-way delay: 52.749 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 196.60 Mbit/s
95th percentile per-packet one-way delay: 54.008 ms
Loss rate: 0.01%
```


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

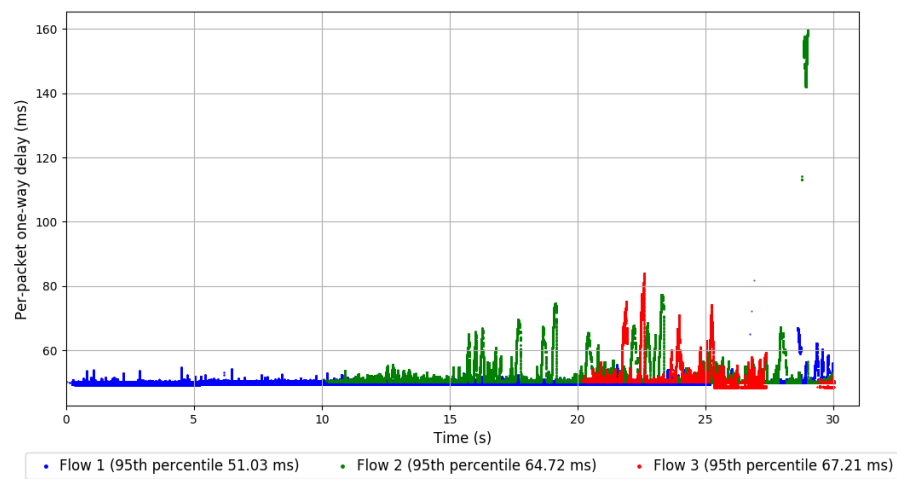
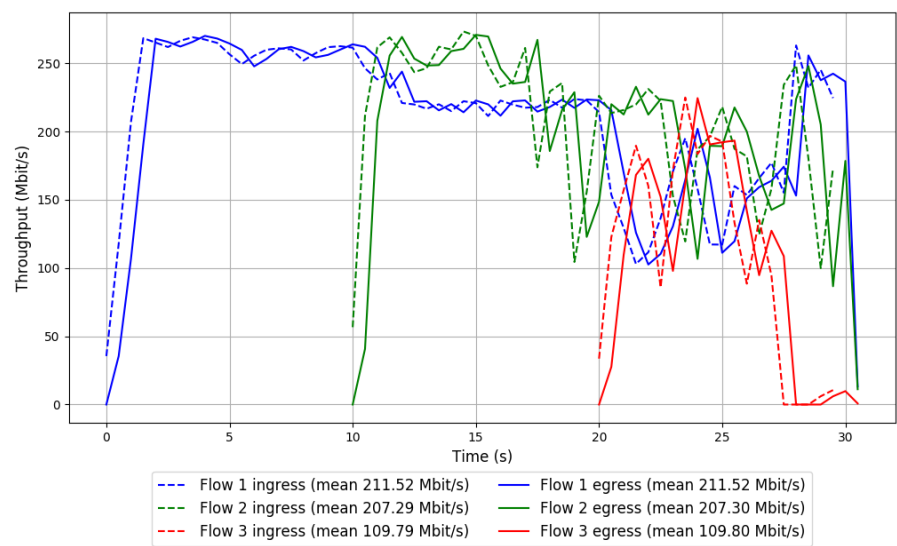


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 07:44:03
End at: 2018-07-20 07:44:33
Local clock offset: 0.242 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-20 13:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.08 Mbit/s
95th percentile per-packet one-way delay: 59.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.52 Mbit/s
95th percentile per-packet one-way delay: 51.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 64.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.80 Mbit/s
95th percentile per-packet one-way delay: 67.206 ms
Loss rate: 0.00%

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

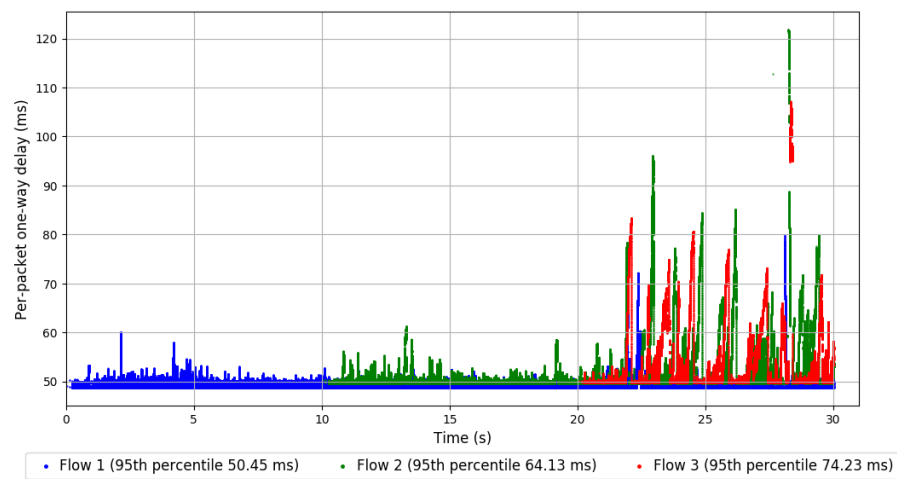
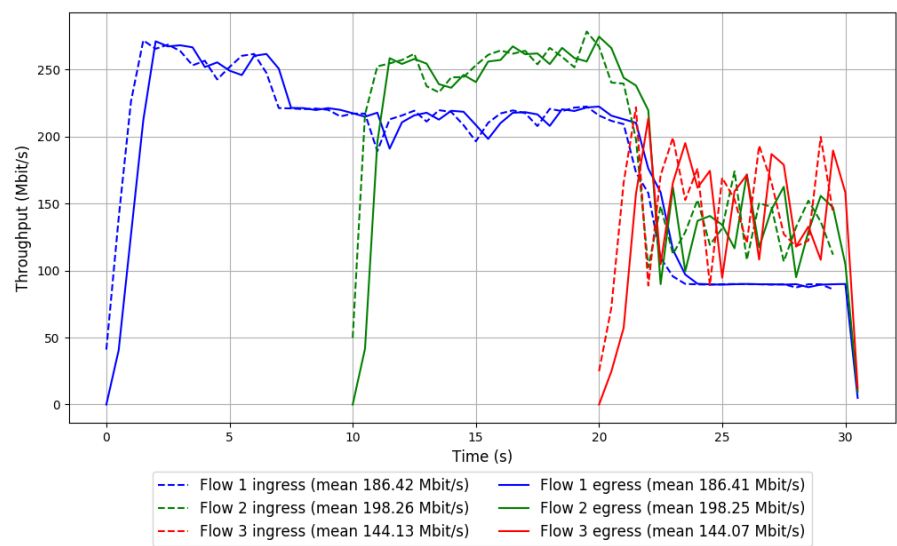


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-20 08:08:58
End at: 2018-07-20 08:09:28
Local clock offset: -0.148 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-20 13:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.36 Mbit/s
95th percentile per-packet one-way delay: 61.038 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.41 Mbit/s
95th percentile per-packet one-way delay: 50.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 198.25 Mbit/s
95th percentile per-packet one-way delay: 64.133 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 144.07 Mbit/s
95th percentile per-packet one-way delay: 74.227 ms
Loss rate: 0.04%

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

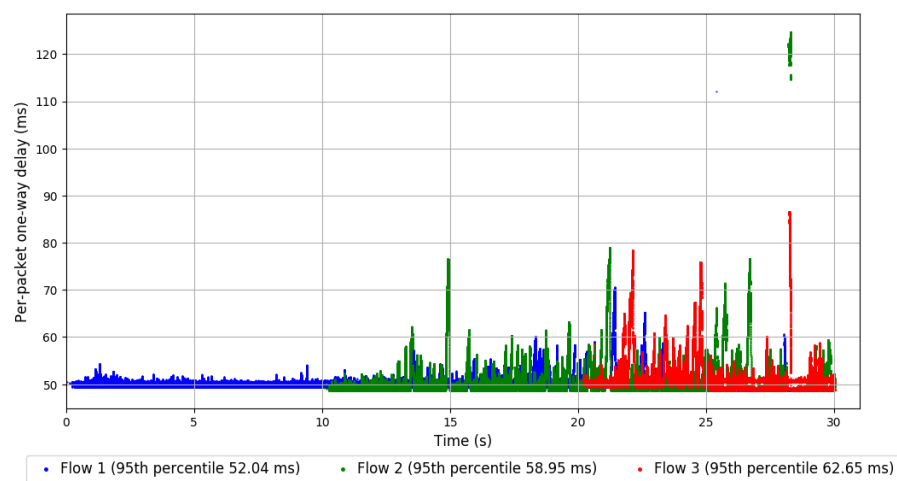
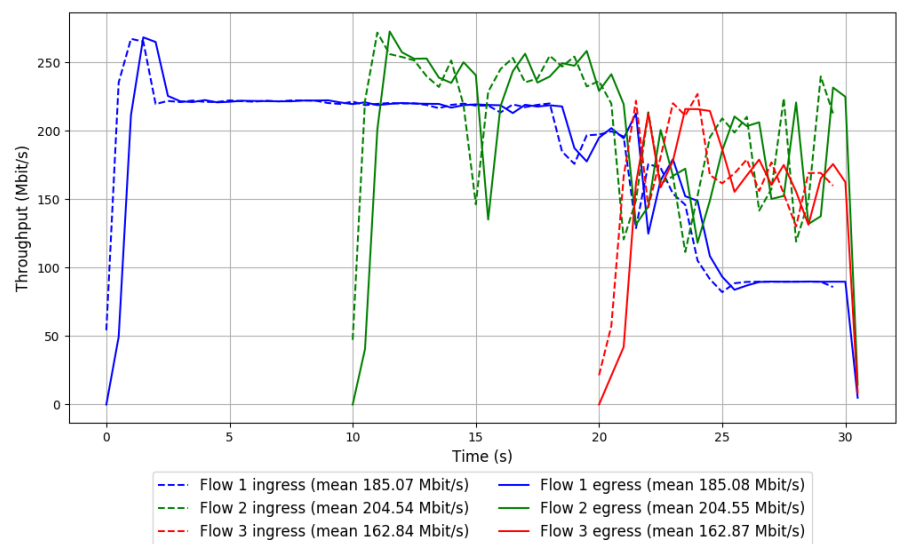


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 08:34:03
End at: 2018-07-20 08:34:33
Local clock offset: -0.115 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-20 13:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.45 Mbit/s
95th percentile per-packet one-way delay: 56.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.08 Mbit/s
95th percentile per-packet one-way delay: 52.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 204.55 Mbit/s
95th percentile per-packet one-way delay: 58.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.87 Mbit/s
95th percentile per-packet one-way delay: 62.645 ms
Loss rate: 0.00%

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

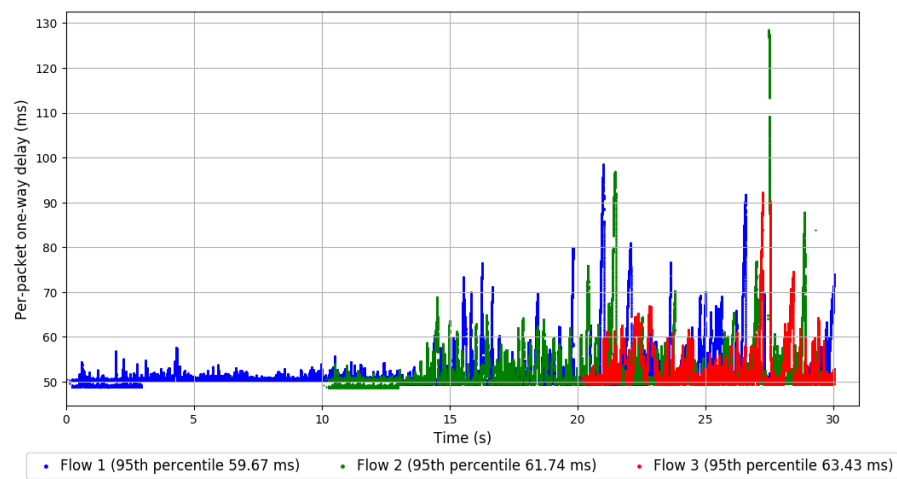
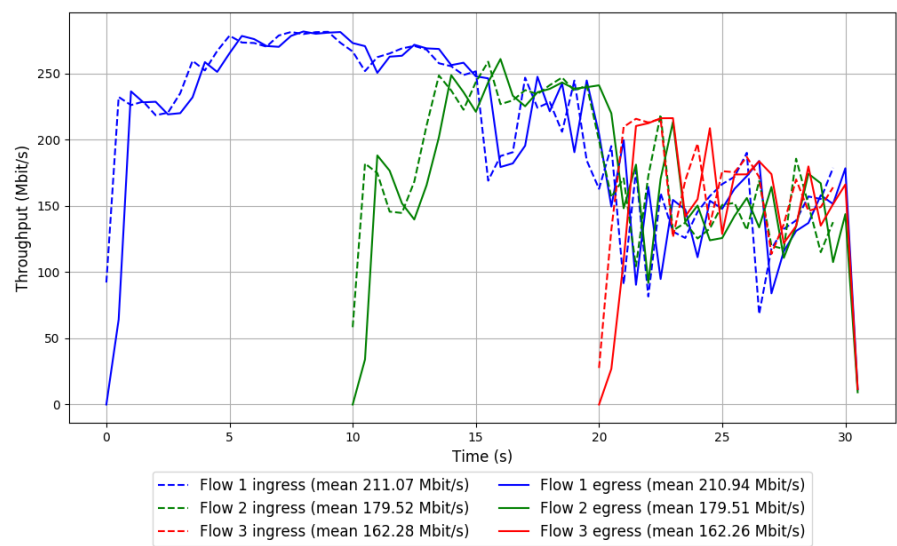


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-20 08:59:05
End at: 2018-07-20 08:59:35
Local clock offset: -0.033 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-20 13:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.41 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 210.94 Mbit/s
95th percentile per-packet one-way delay: 59.668 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 179.51 Mbit/s
95th percentile per-packet one-way delay: 61.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.26 Mbit/s
95th percentile per-packet one-way delay: 63.426 ms
Loss rate: 0.00%

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

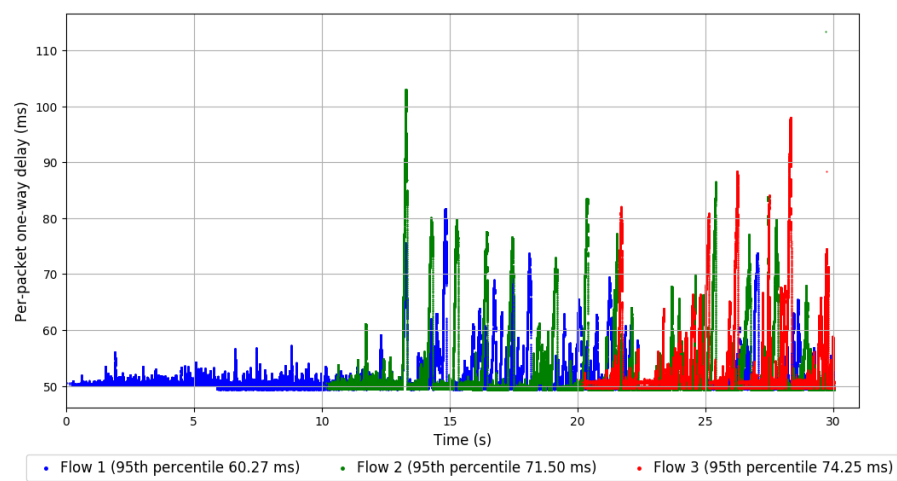
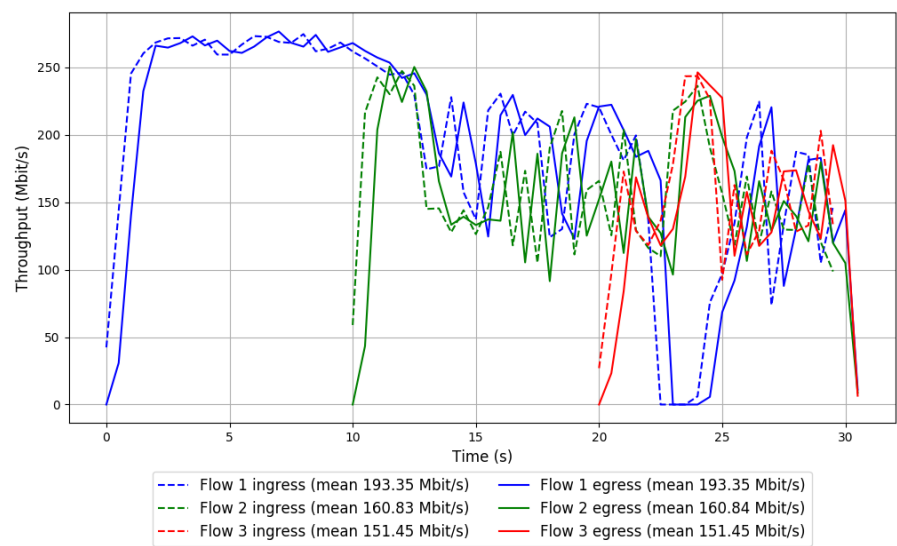


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 09:24:22
End at: 2018-07-20 09:24:52
Local clock offset: -0.037 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-20 13:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.79 Mbit/s
95th percentile per-packet one-way delay: 65.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.35 Mbit/s
95th percentile per-packet one-way delay: 60.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.84 Mbit/s
95th percentile per-packet one-way delay: 71.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.45 Mbit/s
95th percentile per-packet one-way delay: 74.245 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-20 09:49:13

End at: 2018-07-20 09:49:43

Local clock offset: -0.102 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-20 13:48:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.53 Mbit/s

95th percentile per-packet one-way delay: 61.989 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 197.05 Mbit/s

95th percentile per-packet one-way delay: 58.390 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.52 Mbit/s

95th percentile per-packet one-way delay: 62.228 ms

Loss rate: 0.00%

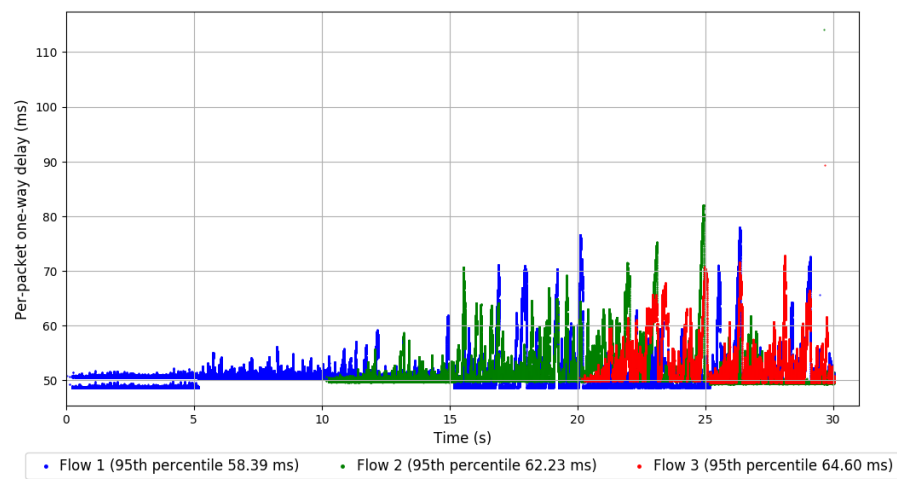
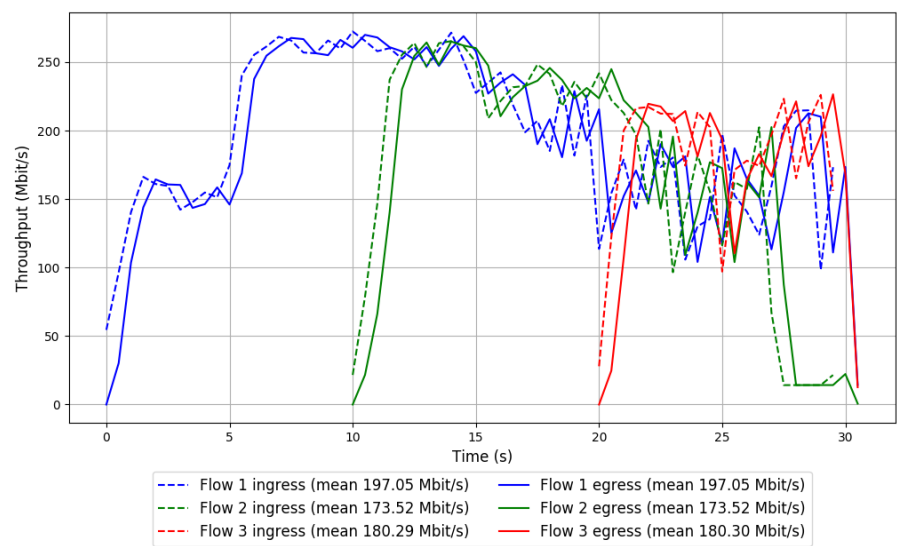
-- Flow 3:

Average throughput: 180.30 Mbit/s

95th percentile per-packet one-way delay: 64.600 ms

Loss rate: 0.00%

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

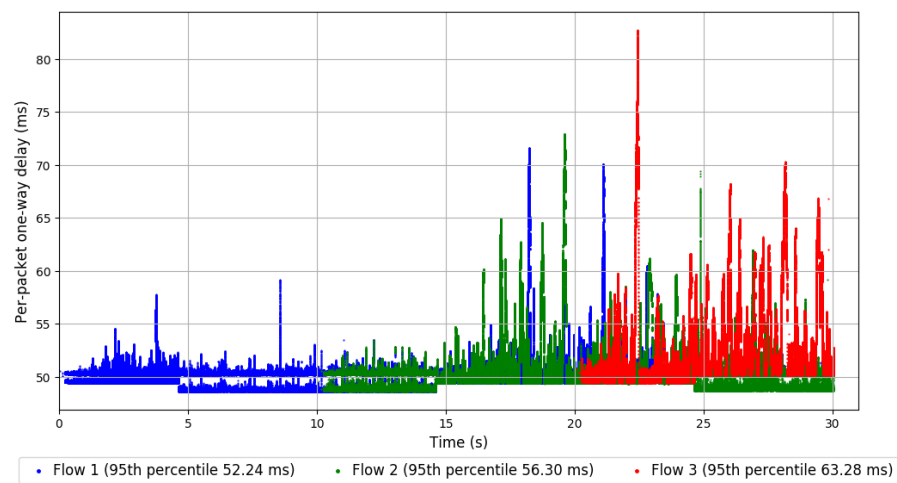
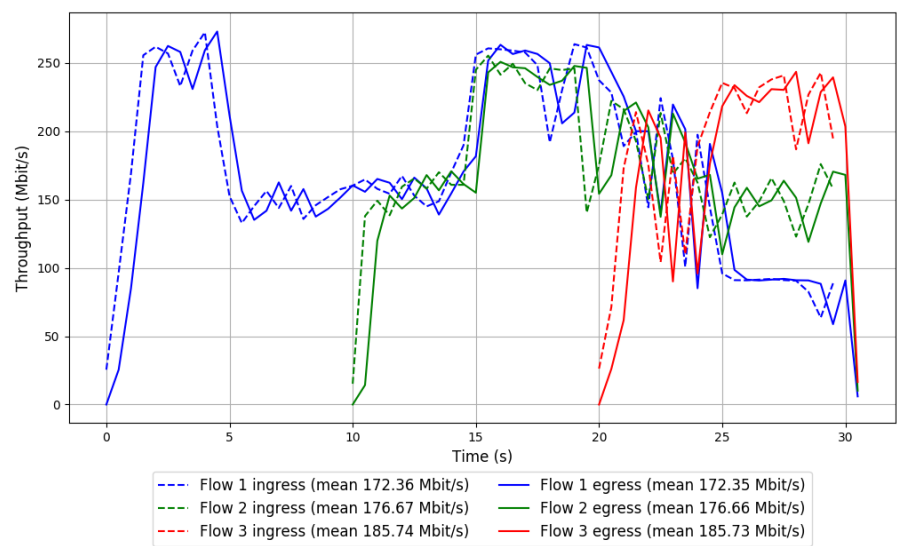


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-20 10:14:04
End at: 2018-07-20 10:14:34
Local clock offset: -0.203 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-20 13:52:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.74 Mbit/s
95th percentile per-packet one-way delay: 56.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.35 Mbit/s
95th percentile per-packet one-way delay: 52.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.66 Mbit/s
95th percentile per-packet one-way delay: 56.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.73 Mbit/s
95th percentile per-packet one-way delay: 63.284 ms
Loss rate: 0.00%

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

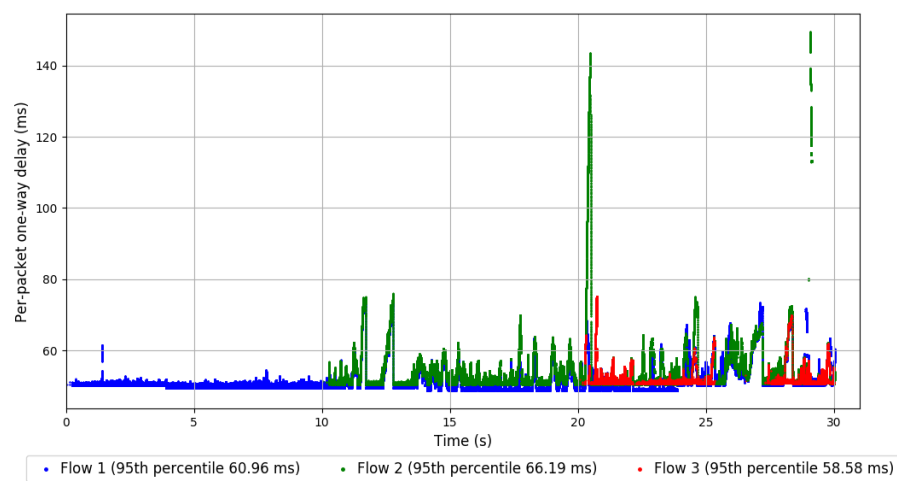
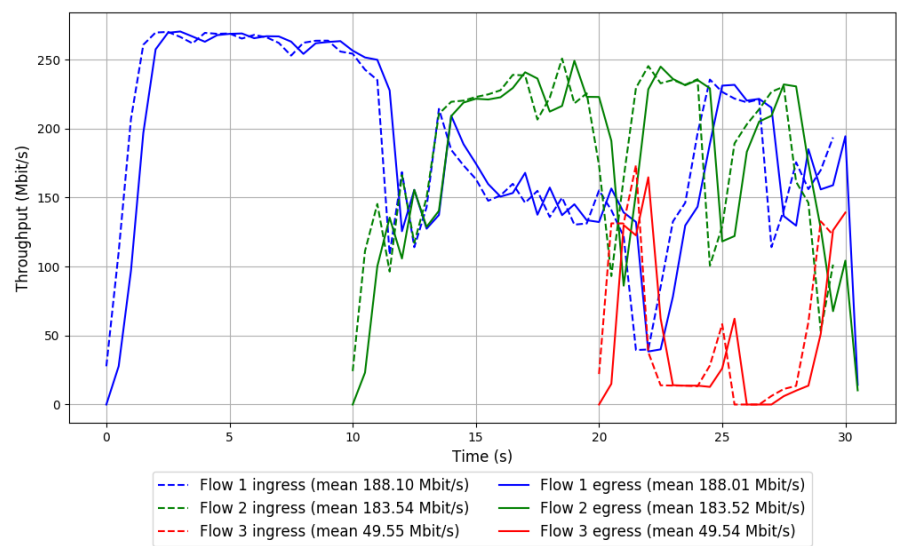


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 10:38:44
End at: 2018-07-20 10:39:14
Local clock offset: -0.25 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-20 13:53:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.67 Mbit/s
95th percentile per-packet one-way delay: 63.159 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 60.961 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 183.52 Mbit/s
95th percentile per-packet one-way delay: 66.185 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 58.580 ms
Loss rate: 0.00%

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

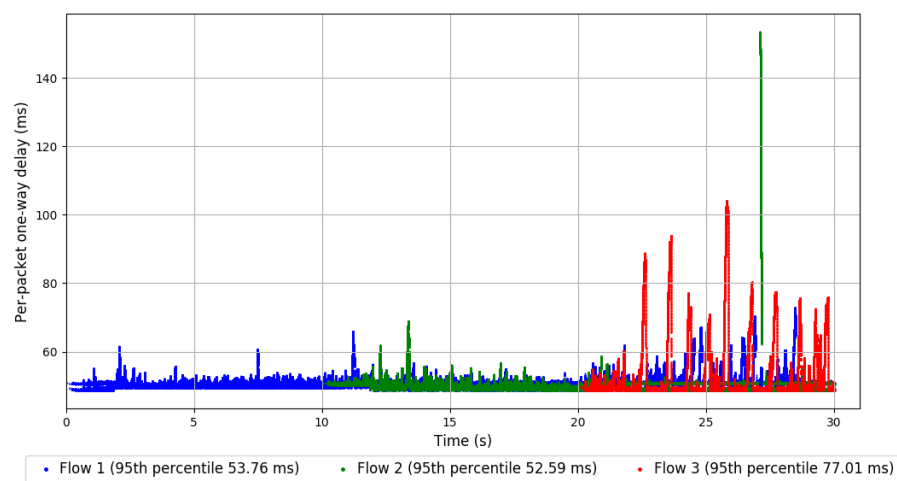
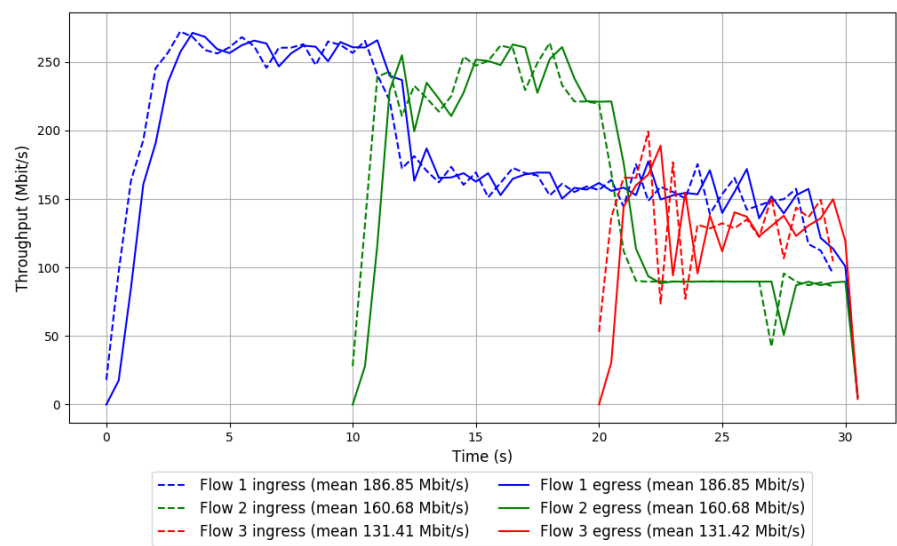


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 11:03:46
End at: 2018-07-20 11:04:16
Local clock offset: -0.315 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-07-20 13:54:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.55 Mbit/s
95th percentile per-packet one-way delay: 56.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.85 Mbit/s
95th percentile per-packet one-way delay: 53.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.68 Mbit/s
95th percentile per-packet one-way delay: 52.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.42 Mbit/s
95th percentile per-packet one-way delay: 77.011 ms
Loss rate: 0.00%
```

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

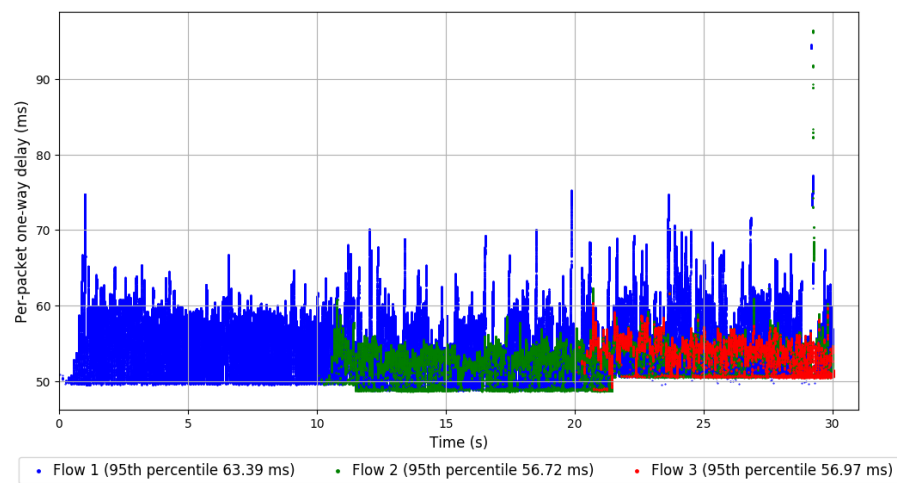
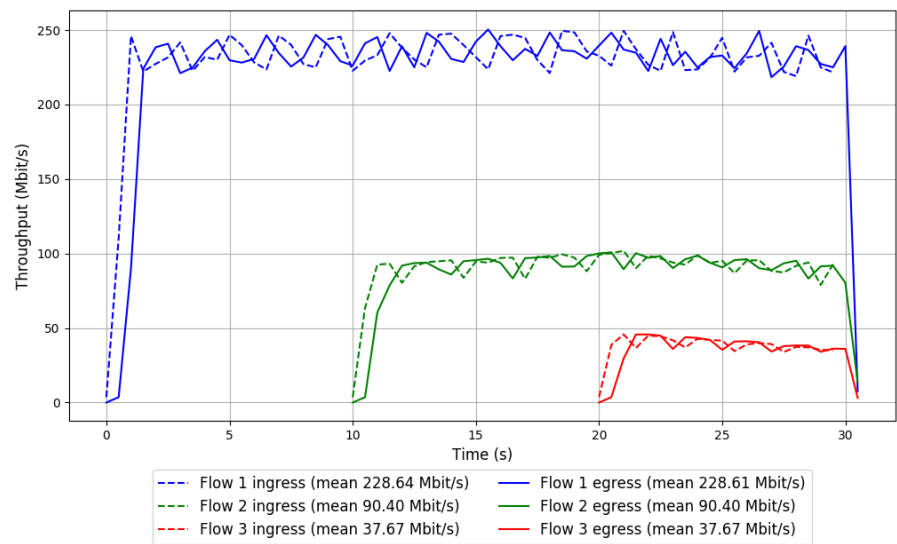


Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 07:10:07
End at: 2018-07-20 07:10:37
Local clock offset: -0.135 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-20 13:54:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.17 Mbit/s
95th percentile per-packet one-way delay: 62.471 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.61 Mbit/s
95th percentile per-packet one-way delay: 63.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 56.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 56.971 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 07:34:54

End at: 2018-07-20 07:35:24

Local clock offset: -0.118 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-20 13:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.07 Mbit/s

95th percentile per-packet one-way delay: 63.796 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 227.32 Mbit/s

95th percentile per-packet one-way delay: 64.027 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 215.76 Mbit/s

95th percentile per-packet one-way delay: 63.908 ms

Loss rate: 0.00%

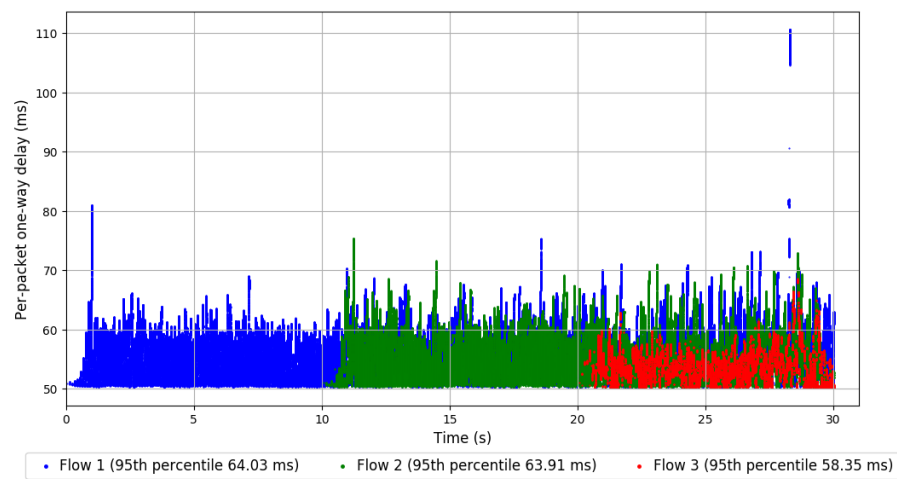
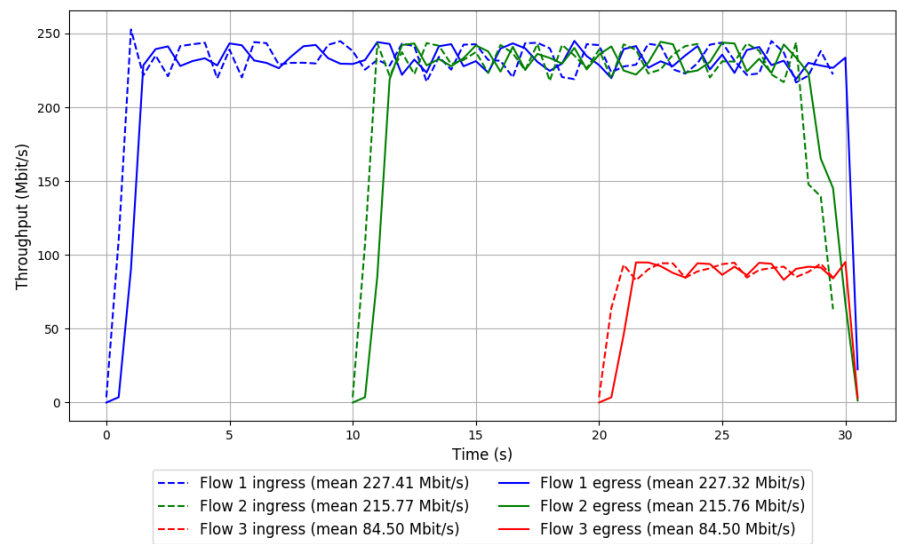
-- Flow 3:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 58.347 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 08:00:06

End at: 2018-07-20 08:00:36

Local clock offset: -0.129 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-20 13:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 101.72 Mbit/s

95th percentile per-packet one-way delay: 51.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: 51.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.69 Mbit/s

95th percentile per-packet one-way delay: 51.936 ms

Loss rate: 0.00%

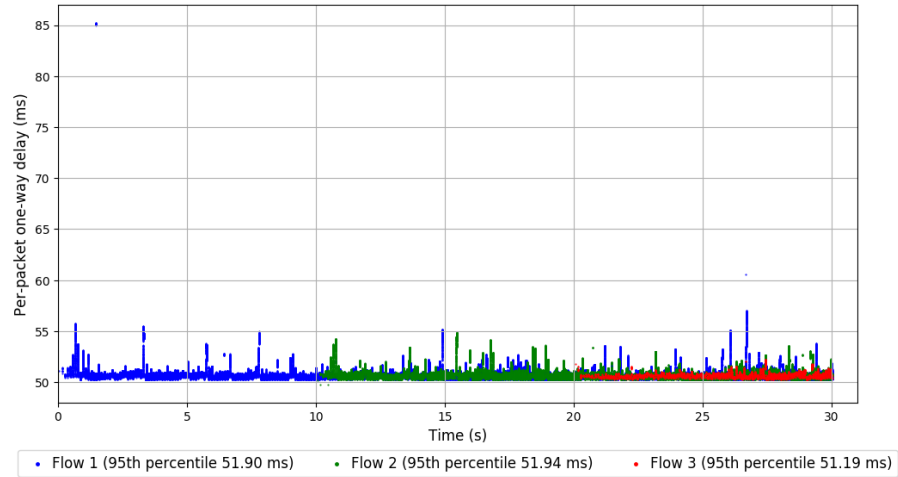
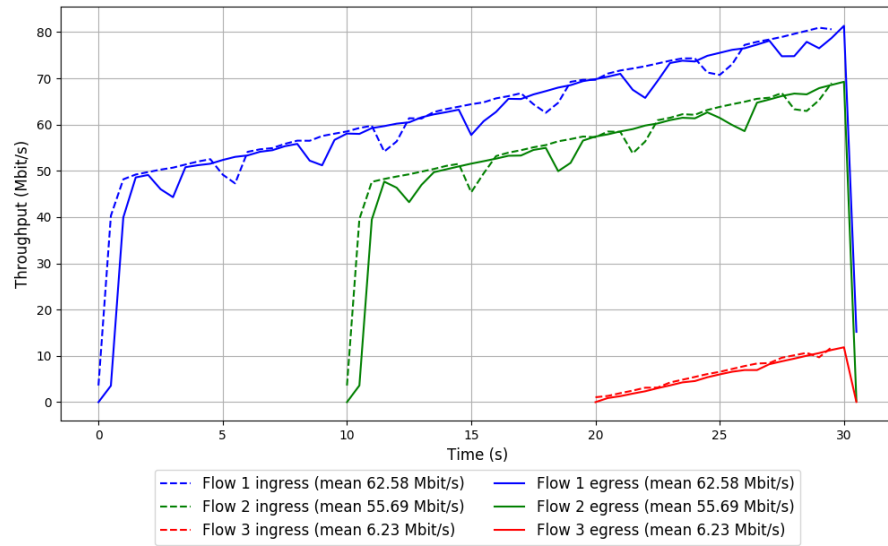
-- Flow 3:

Average throughput: 6.23 Mbit/s

95th percentile per-packet one-way delay: 51.193 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

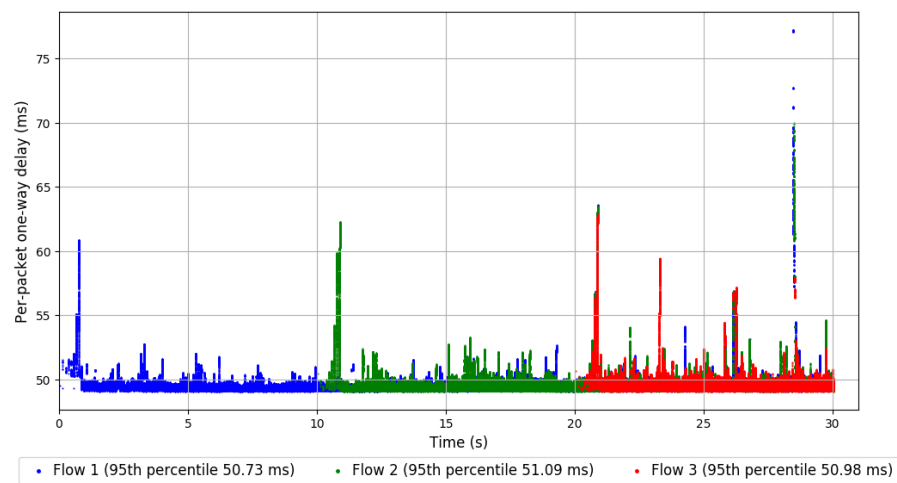
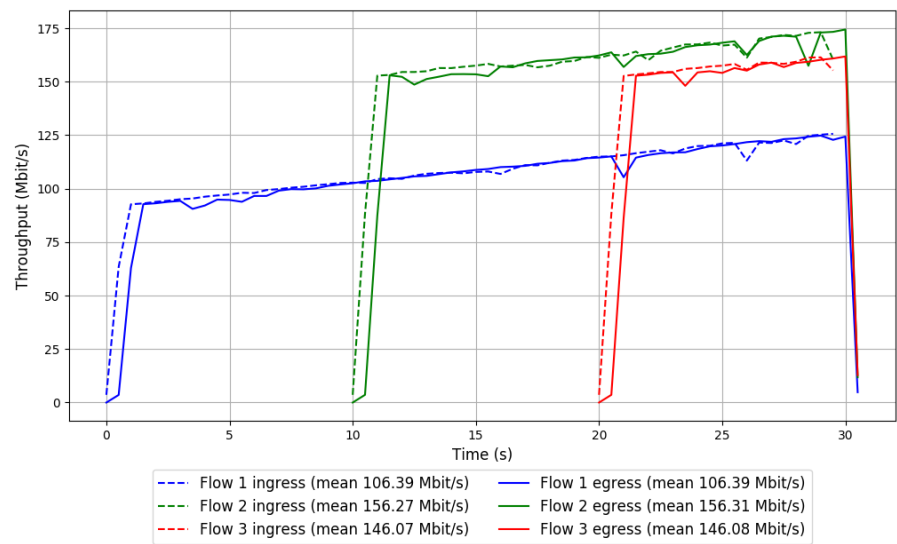


Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 08:24:57
End at: 2018-07-20 08:25:27
Local clock offset: 0.226 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-20 13:54:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.12 Mbit/s
95th percentile per-packet one-way delay: 50.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.39 Mbit/s
95th percentile per-packet one-way delay: 50.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 156.31 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.08 Mbit/s
95th percentile per-packet one-way delay: 50.983 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

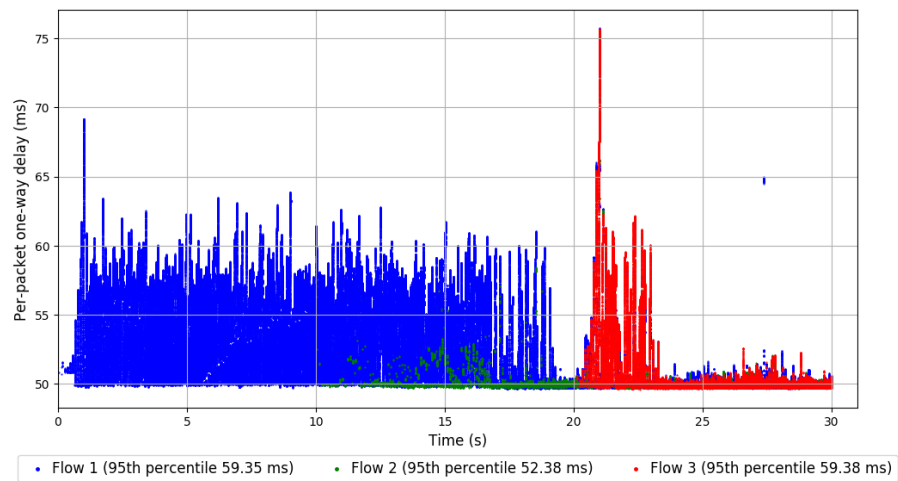
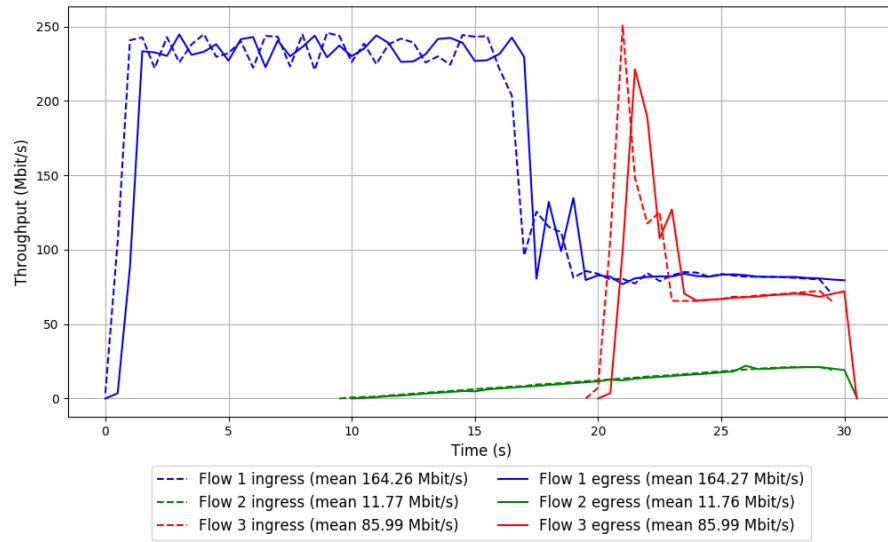


Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 08:49:58
End at: 2018-07-20 08:50:28
Local clock offset: -0.08 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-20 13:54:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.69 Mbit/s
95th percentile per-packet one-way delay: 59.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.27 Mbit/s
95th percentile per-packet one-way delay: 59.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 52.376 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 59.382 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

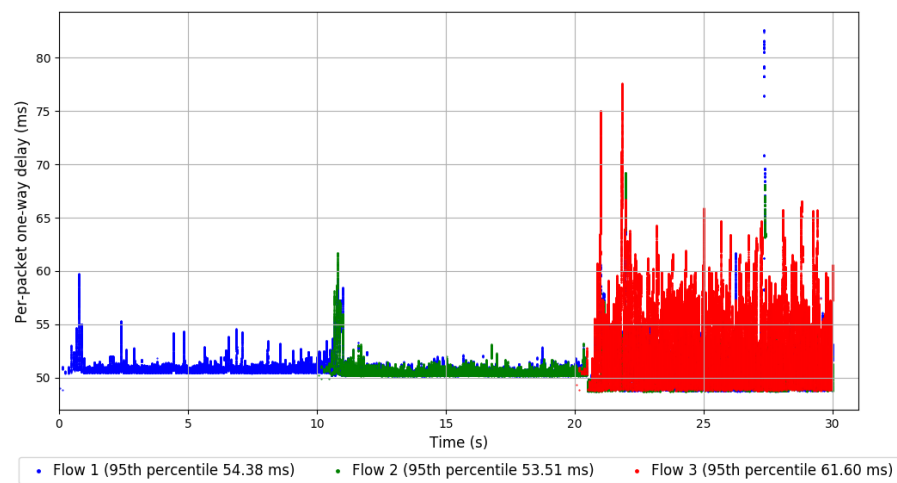
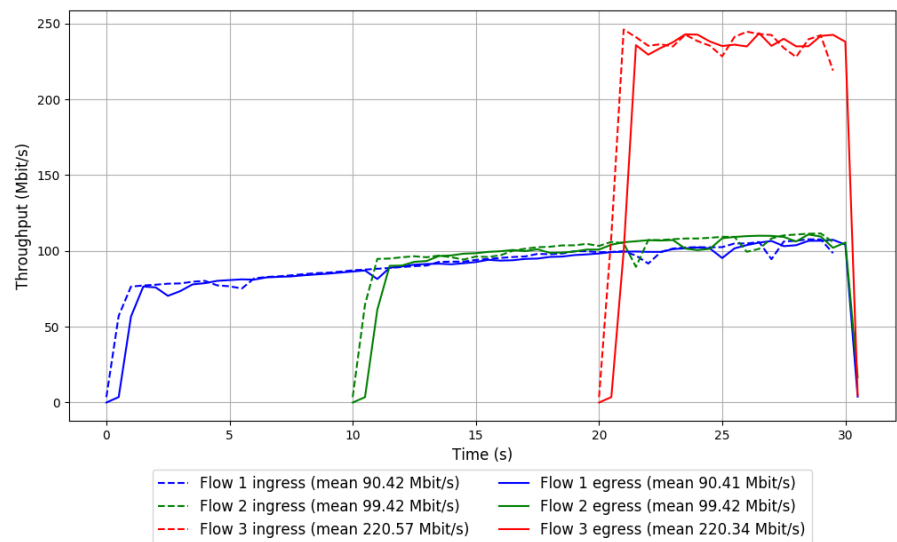


Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 09:15:18
End at: 2018-07-20 09:15:48
Local clock offset: 0.01 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-20 13:54:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.77 Mbit/s
95th percentile per-packet one-way delay: 58.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.41 Mbit/s
95th percentile per-packet one-way delay: 54.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 53.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 220.34 Mbit/s
95th percentile per-packet one-way delay: 61.605 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 09:40:13

End at: 2018-07-20 09:40:43

Local clock offset: -0.081 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-20 13:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.26 Mbit/s

95th percentile per-packet one-way delay: 51.841 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.95 Mbit/s

95th percentile per-packet one-way delay: 51.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.45 Mbit/s

95th percentile per-packet one-way delay: 51.680 ms

Loss rate: 0.00%

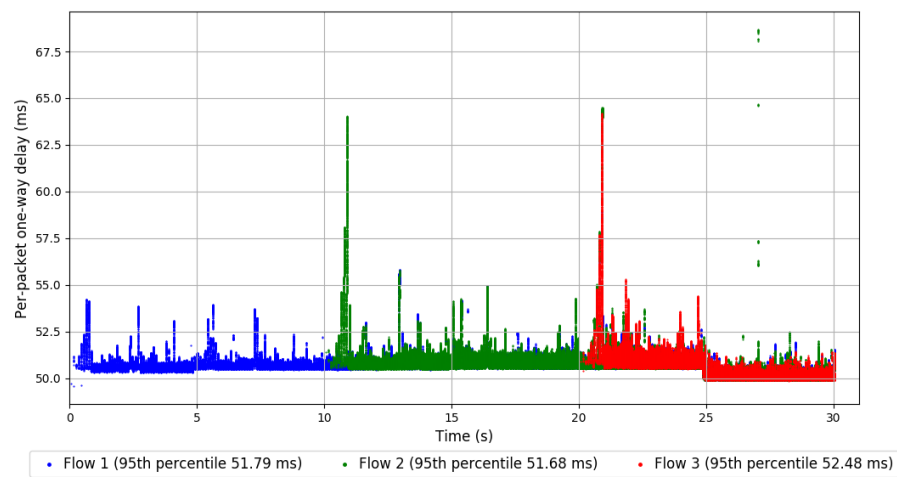
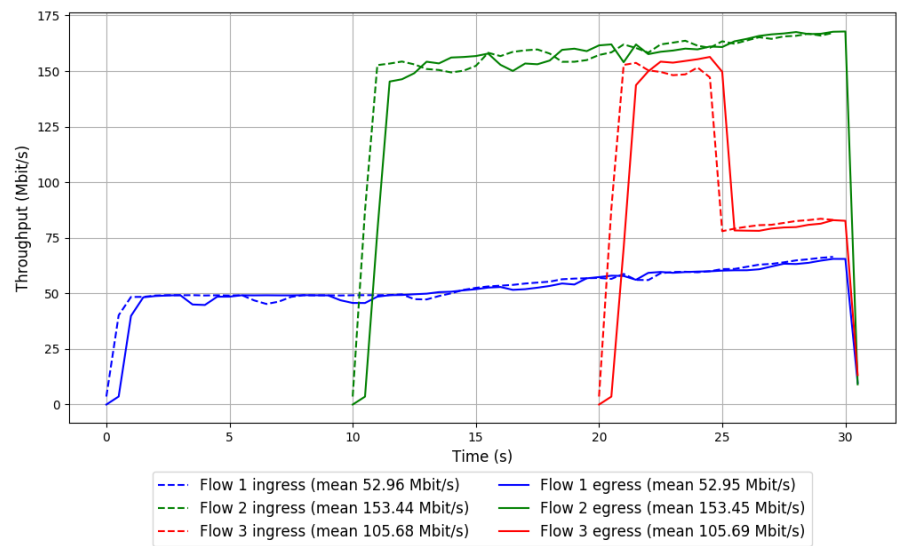
-- Flow 3:

Average throughput: 105.69 Mbit/s

95th percentile per-packet one-way delay: 52.479 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

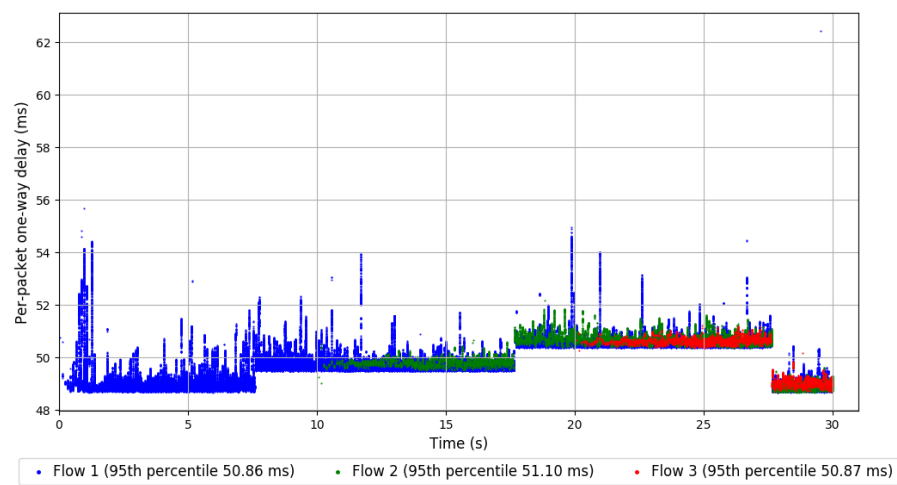
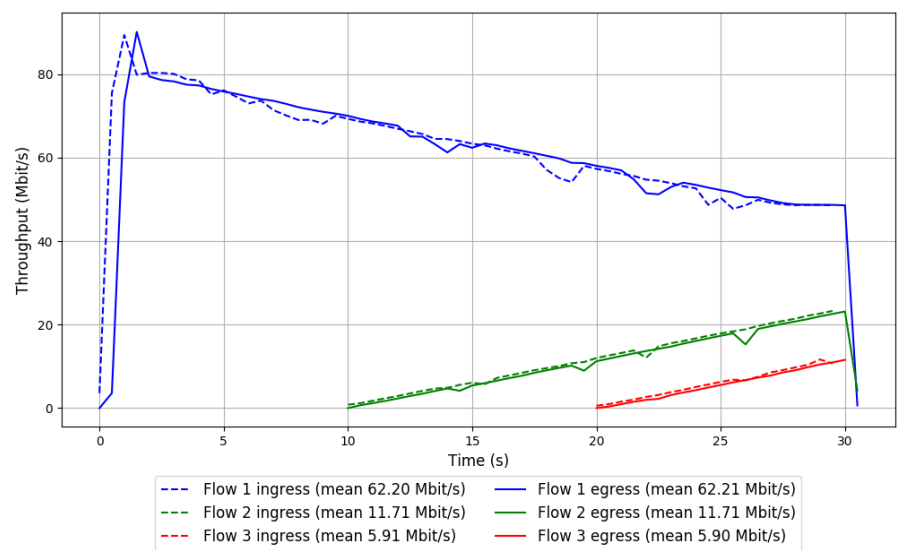


Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 10:05:11
End at: 2018-07-20 10:05:41
Local clock offset: -0.184 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-20 13:54:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 50.866 ms
Loss rate: 0.16%

Run 8: Report of TCP Vegas — Data Link

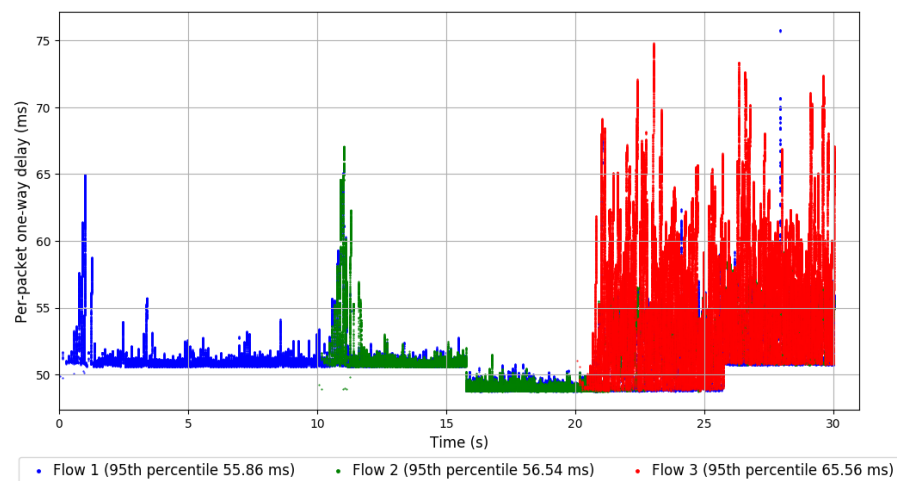
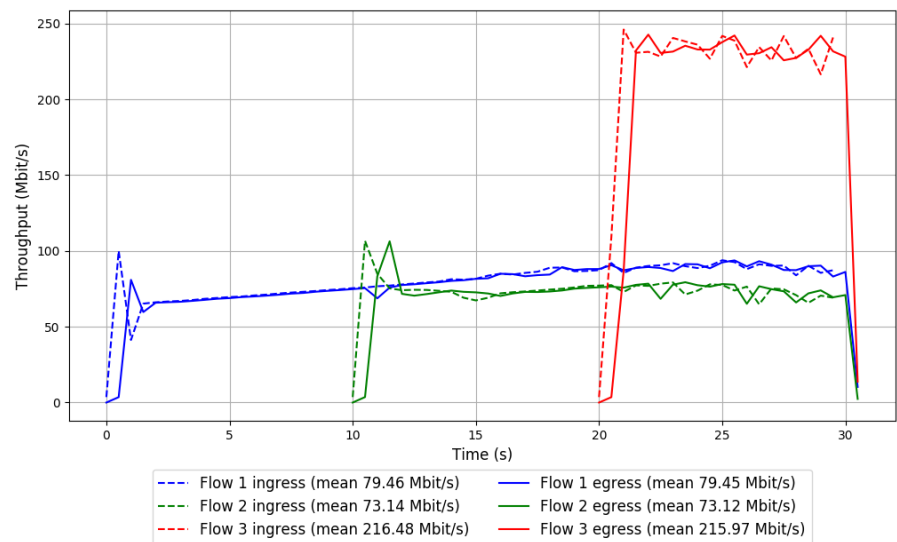


Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 10:29:52
End at: 2018-07-20 10:30:22
Local clock offset: -0.218 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-20 13:54:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 62.264 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 55.860 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.12 Mbit/s
95th percentile per-packet one-way delay: 56.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 215.97 Mbit/s
95th percentile per-packet one-way delay: 65.560 ms
Loss rate: 0.19%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 10:54:41

End at: 2018-07-20 10:55:11

Local clock offset: 0.071 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-20 13:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.17 Mbit/s

95th percentile per-packet one-way delay: 62.332 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 56.088 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 158.22 Mbit/s

95th percentile per-packet one-way delay: 61.633 ms

Loss rate: 0.00%

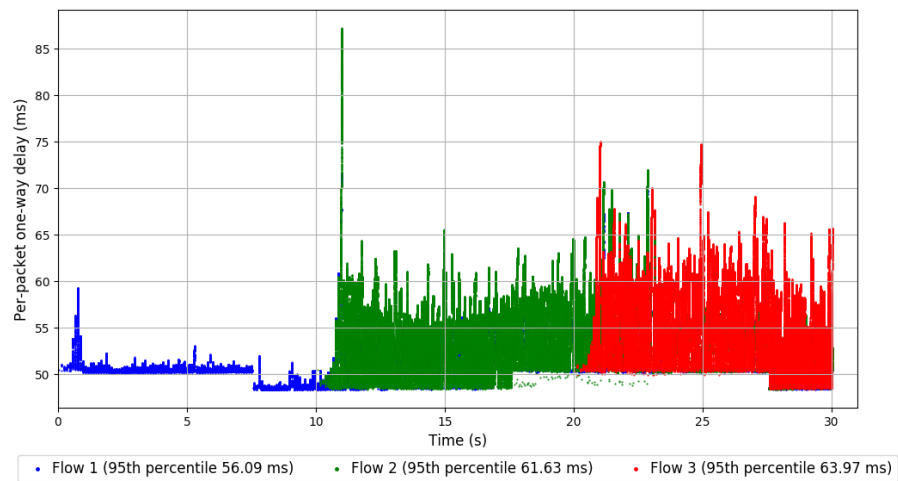
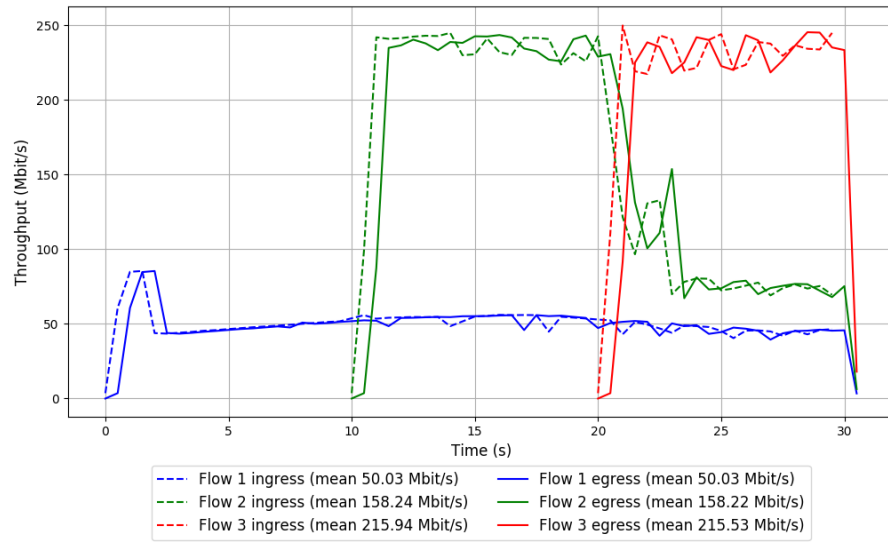
-- Flow 3:

Average throughput: 215.53 Mbit/s

95th percentile per-packet one-way delay: 63.966 ms

Loss rate: 0.14%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-20 07:24:41

End at: 2018-07-20 07:25:11

Local clock offset: 0.237 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-20 13:56:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.69 Mbit/s

95th percentile per-packet one-way delay: 131.265 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 193.71 Mbit/s

95th percentile per-packet one-way delay: 124.802 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 155.79 Mbit/s

95th percentile per-packet one-way delay: 129.517 ms

Loss rate: 0.76%

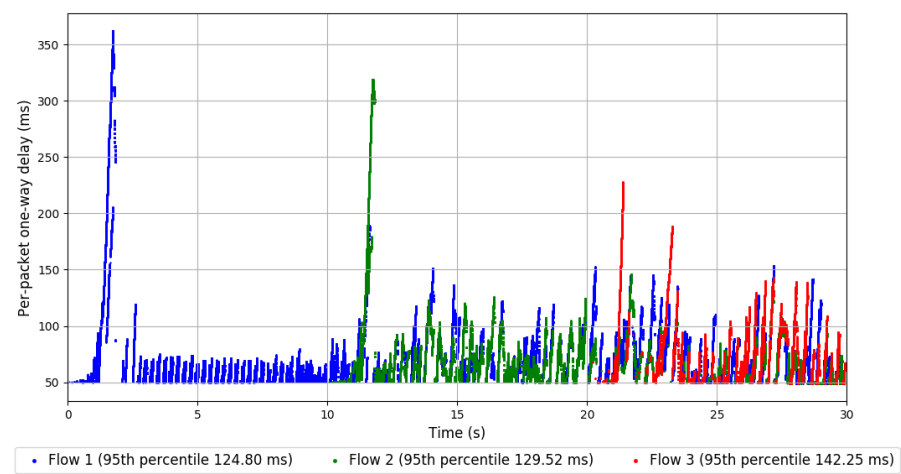
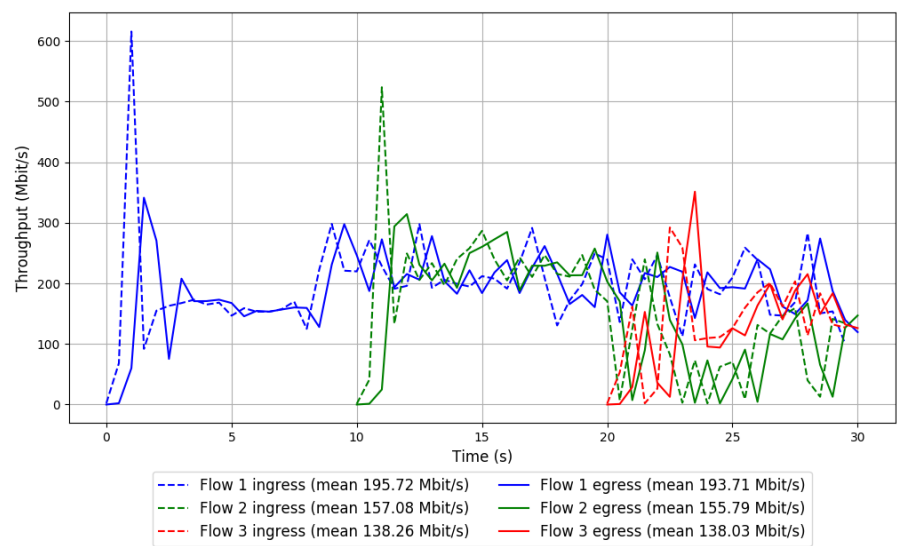
-- Flow 3:

Average throughput: 138.03 Mbit/s

95th percentile per-packet one-way delay: 142.252 ms

Loss rate: 0.03%

Run 1: Report of Verus — Data Link

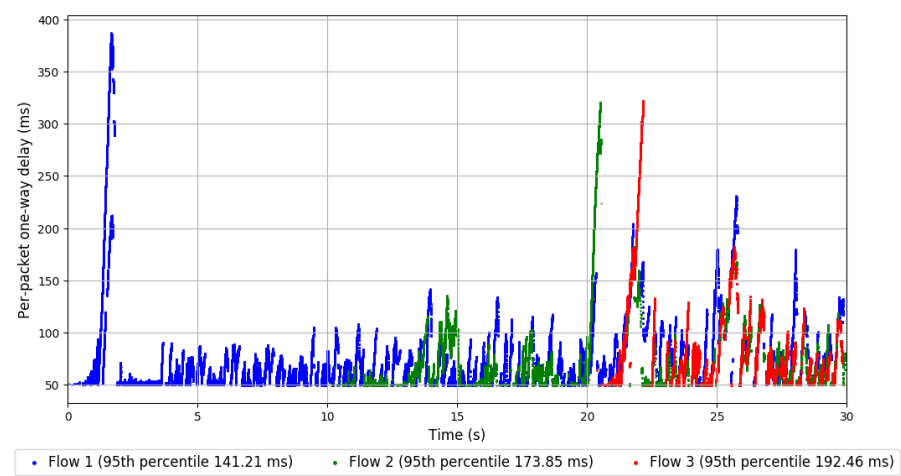
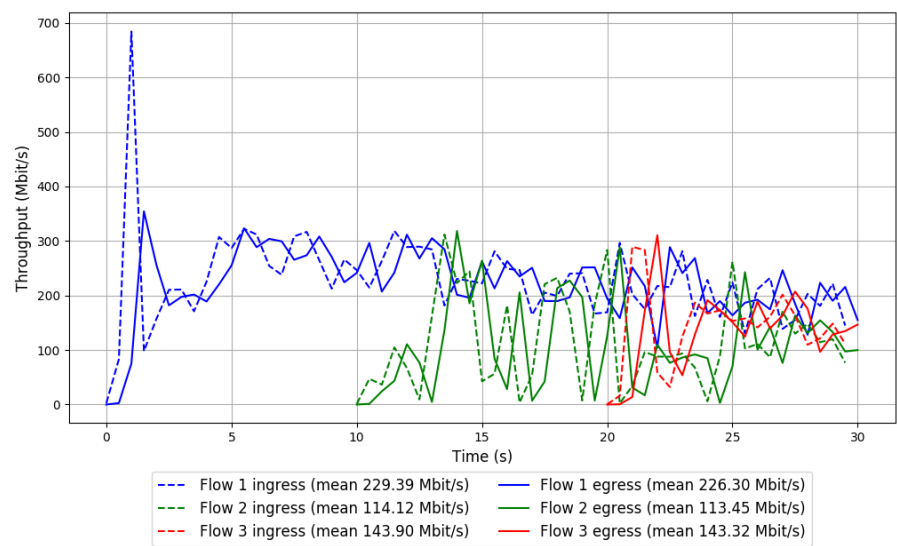


Run 2: Statistics of Verus

Start at: 2018-07-20 07:49:52
End at: 2018-07-20 07:50:22
Local clock offset: -0.118 ms
Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-20 13:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.14 Mbit/s
95th percentile per-packet one-way delay: 158.228 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 226.30 Mbit/s
95th percentile per-packet one-way delay: 141.211 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 113.45 Mbit/s
95th percentile per-packet one-way delay: 173.853 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 143.32 Mbit/s
95th percentile per-packet one-way delay: 192.463 ms
Loss rate: 0.15%

Run 2: Report of Verus — Data Link

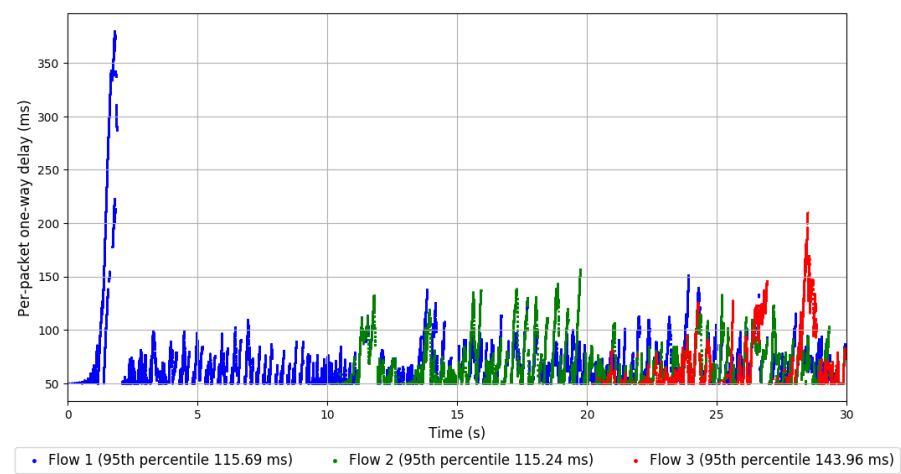
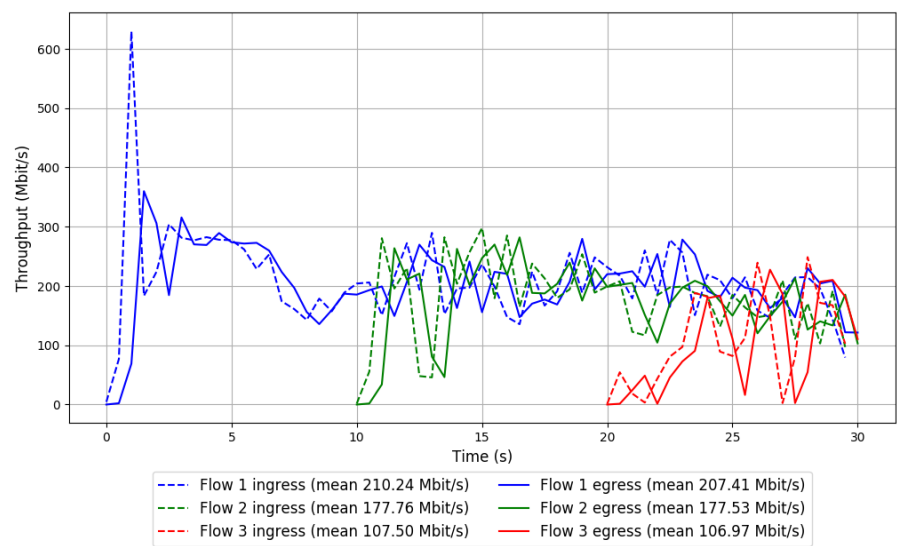


Run 3: Statistics of Verus

Start at: 2018-07-20 08:14:48
End at: 2018-07-20 08:15:18
Local clock offset: -0.476 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-20 13:58:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.68 Mbit/s
95th percentile per-packet one-way delay: 121.014 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 207.41 Mbit/s
95th percentile per-packet one-way delay: 115.686 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 177.53 Mbit/s
95th percentile per-packet one-way delay: 115.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.97 Mbit/s
95th percentile per-packet one-way delay: 143.961 ms
Loss rate: 0.27%

Run 3: Report of Verus — Data Link

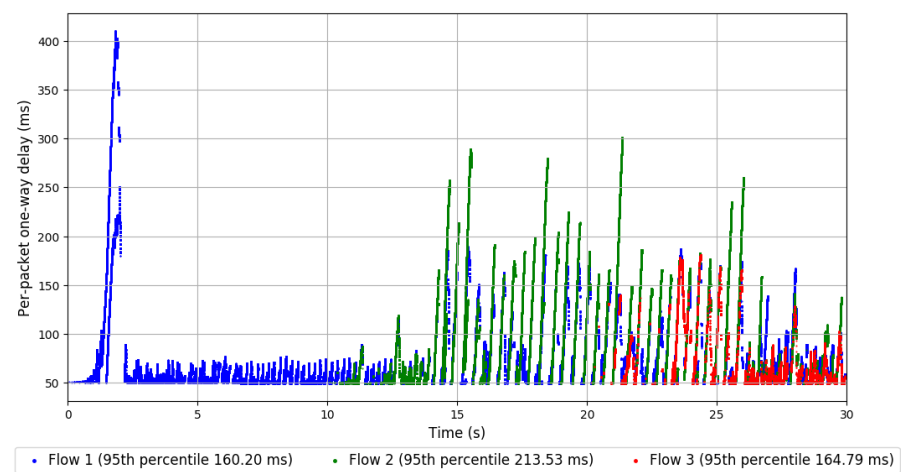
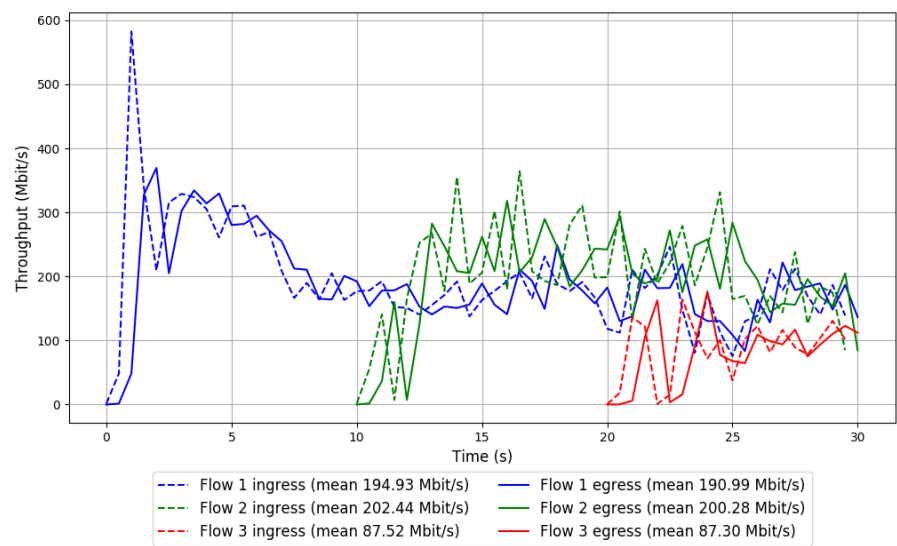


Run 4: Statistics of Verus

Start at: 2018-07-20 08:39:51
End at: 2018-07-20 08:40:21
Local clock offset: -0.126 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-20 13:58:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.77 Mbit/s
95th percentile per-packet one-way delay: 183.555 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 190.99 Mbit/s
95th percentile per-packet one-way delay: 160.199 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 200.28 Mbit/s
95th percentile per-packet one-way delay: 213.526 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 164.788 ms
Loss rate: 0.18%

Run 4: Report of Verus — Data Link

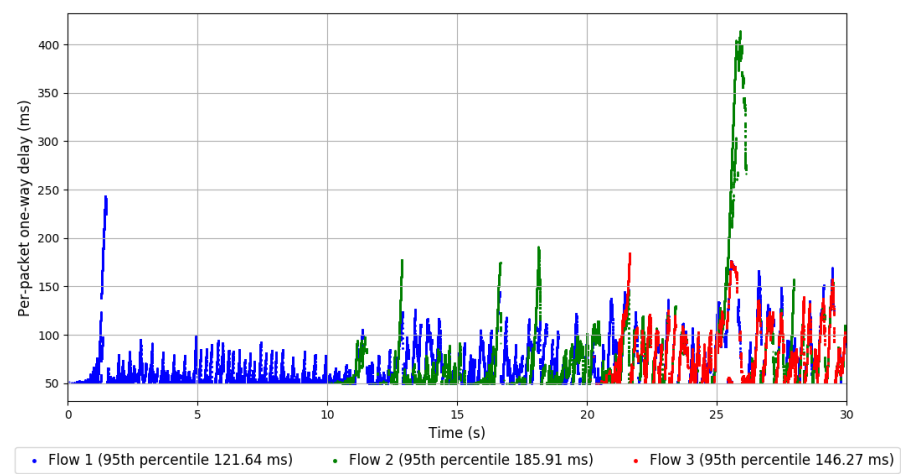
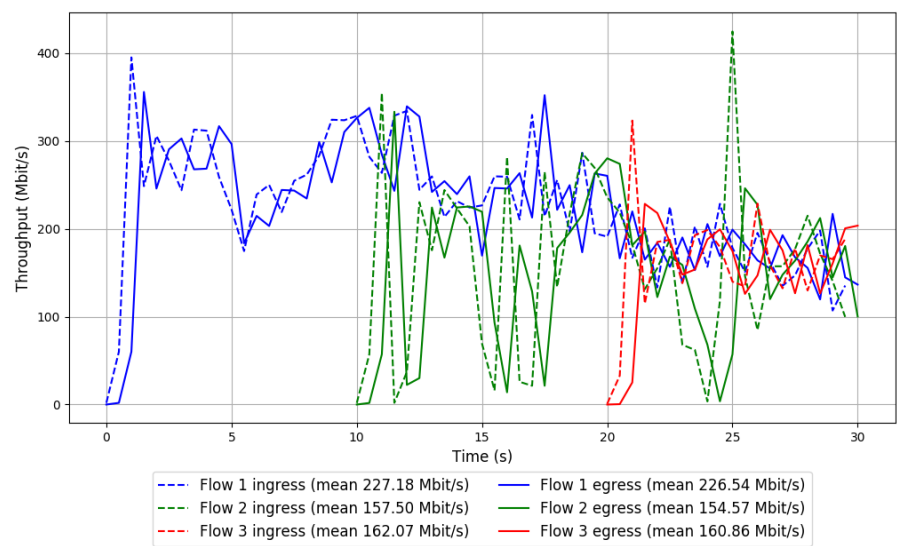


Run 5: Statistics of Verus

Start at: 2018-07-20 09:04:57
End at: 2018-07-20 09:05:27
Local clock offset: -0.031 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-20 13:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.20 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 226.54 Mbit/s
95th percentile per-packet one-way delay: 121.640 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 154.57 Mbit/s
95th percentile per-packet one-way delay: 185.910 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 160.86 Mbit/s
95th percentile per-packet one-way delay: 146.267 ms
Loss rate: 0.34%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-20 09:30:10

End at: 2018-07-20 09:30:40

Local clock offset: 0.268 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-20 13:59:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.79 Mbit/s

95th percentile per-packet one-way delay: 128.102 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 195.74 Mbit/s

95th percentile per-packet one-way delay: 143.969 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 156.59 Mbit/s

95th percentile per-packet one-way delay: 121.553 ms

Loss rate: 0.00%

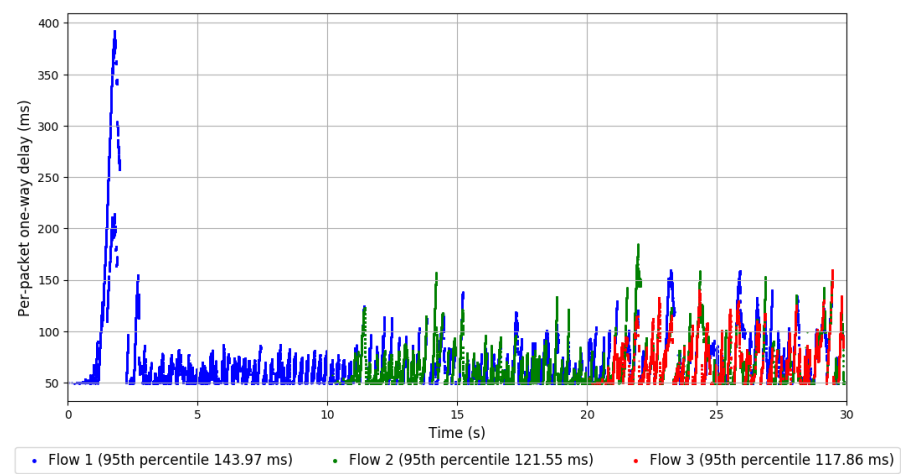
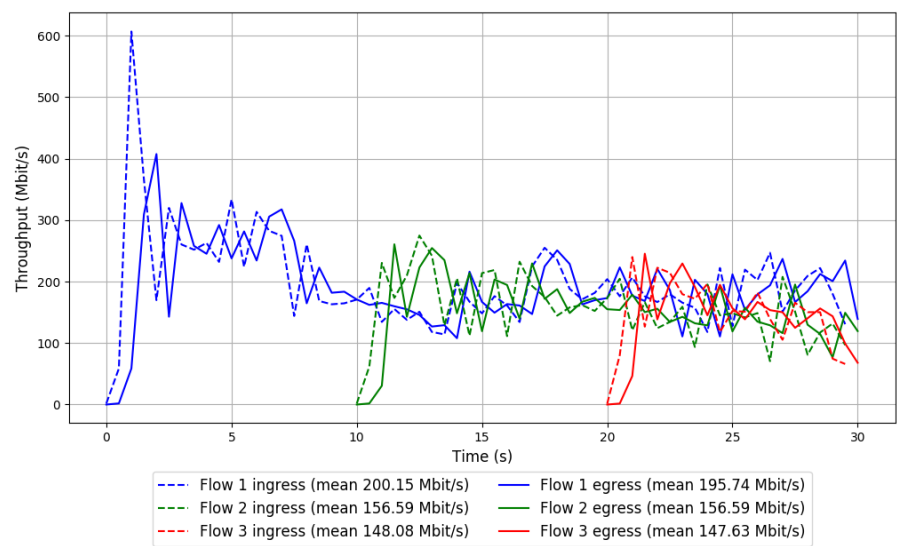
-- Flow 3:

Average throughput: 147.63 Mbit/s

95th percentile per-packet one-way delay: 117.857 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

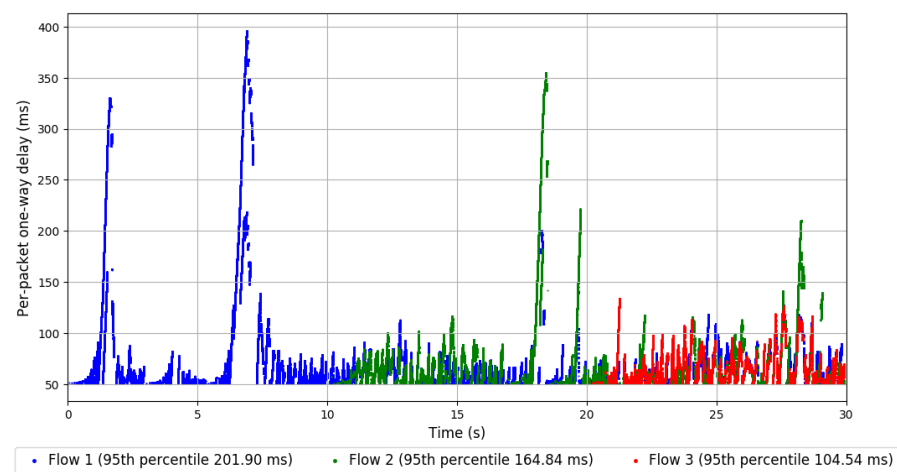
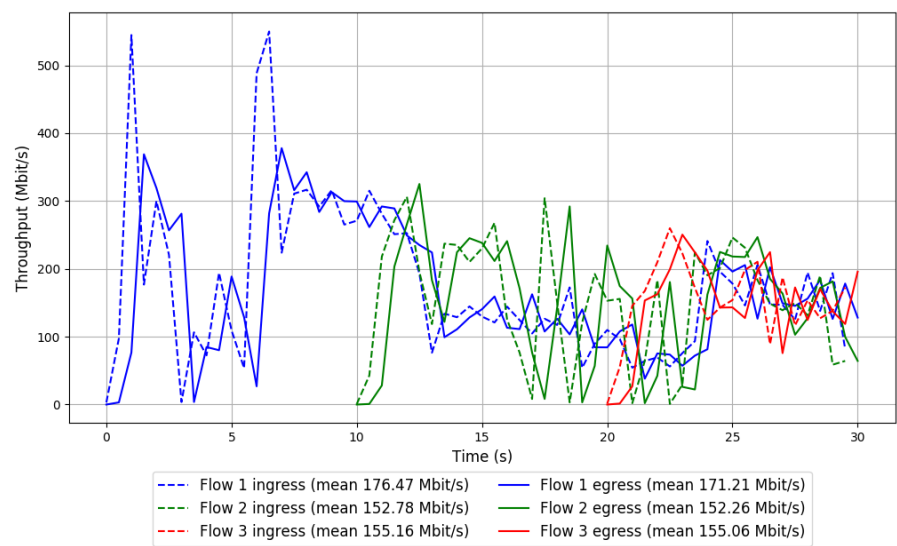


Run 7: Statistics of Verus

Start at: 2018-07-20 09:55:02
End at: 2018-07-20 09:55:32
Local clock offset: -0.507 ms
Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-20 13:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.92 Mbit/s
95th percentile per-packet one-way delay: 165.379 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 171.21 Mbit/s
95th percentile per-packet one-way delay: 201.896 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 152.26 Mbit/s
95th percentile per-packet one-way delay: 164.844 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 155.06 Mbit/s
95th percentile per-packet one-way delay: 104.536 ms
Loss rate: 0.06%

Run 7: Report of Verus — Data Link

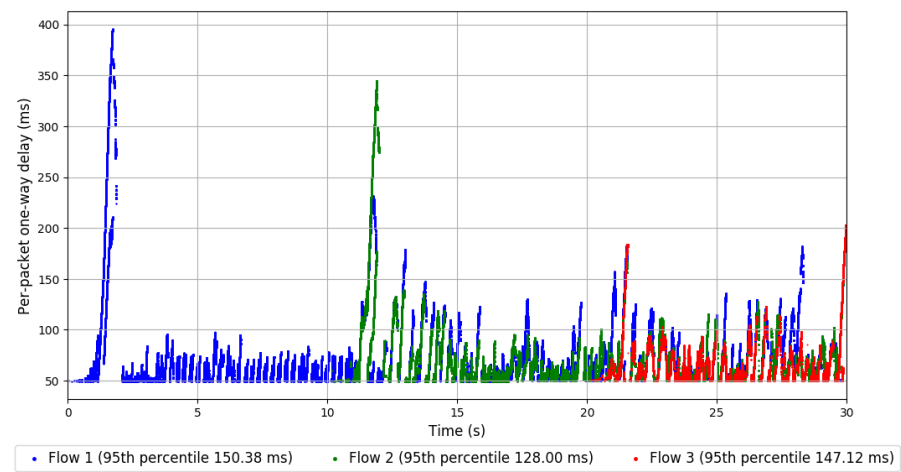
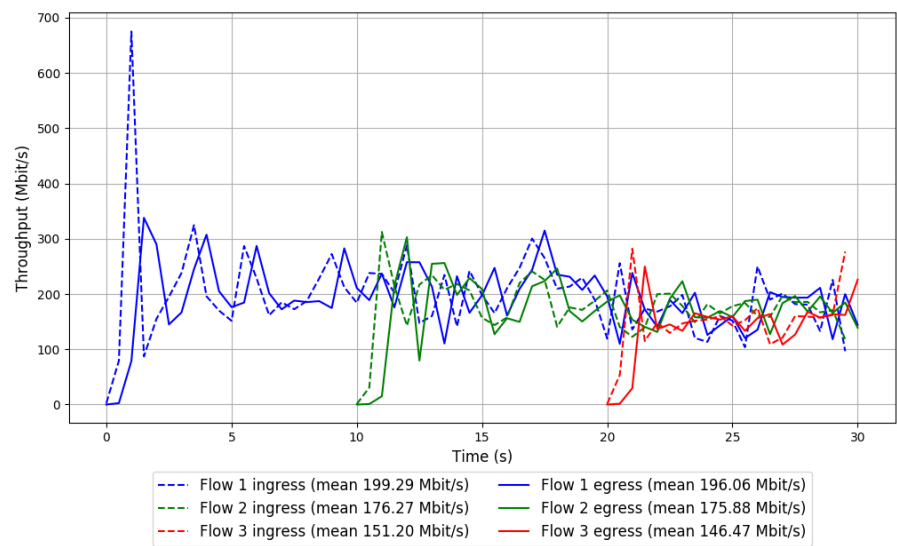


Run 8: Statistics of Verus

Start at: 2018-07-20 10:19:51
End at: 2018-07-20 10:20:21
Local clock offset: -0.201 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-20 14:00:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.39 Mbit/s
95th percentile per-packet one-way delay: 139.392 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 196.06 Mbit/s
95th percentile per-packet one-way delay: 150.378 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 175.88 Mbit/s
95th percentile per-packet one-way delay: 127.996 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 146.47 Mbit/s
95th percentile per-packet one-way delay: 147.115 ms
Loss rate: 2.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-20 10:44:29

End at: 2018-07-20 10:44:59

Local clock offset: -0.265 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-20 14:02:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.11 Mbit/s

95th percentile per-packet one-way delay: 138.455 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 213.92 Mbit/s

95th percentile per-packet one-way delay: 132.184 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 151.55 Mbit/s

95th percentile per-packet one-way delay: 215.086 ms

Loss rate: 2.59%

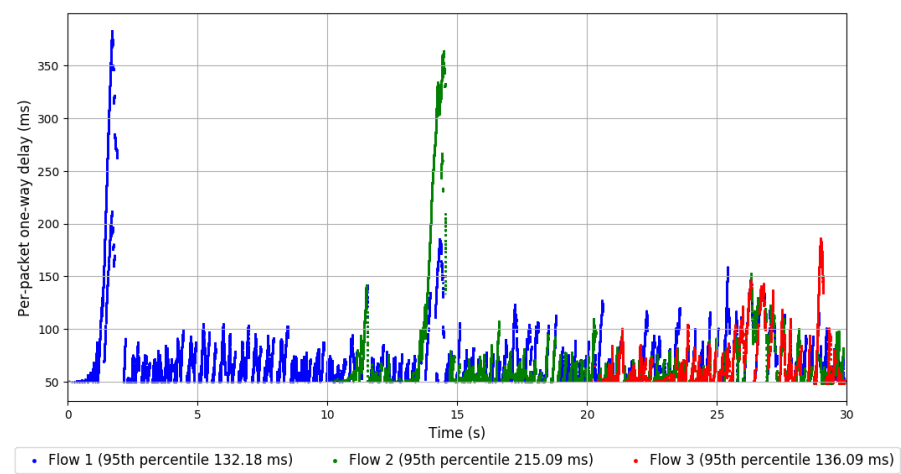
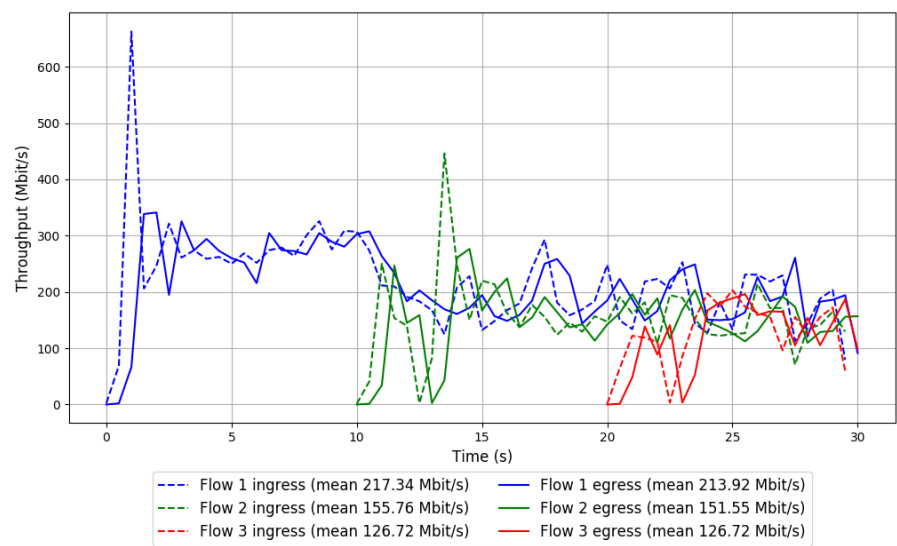
-- Flow 3:

Average throughput: 126.72 Mbit/s

95th percentile per-packet one-way delay: 136.090 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

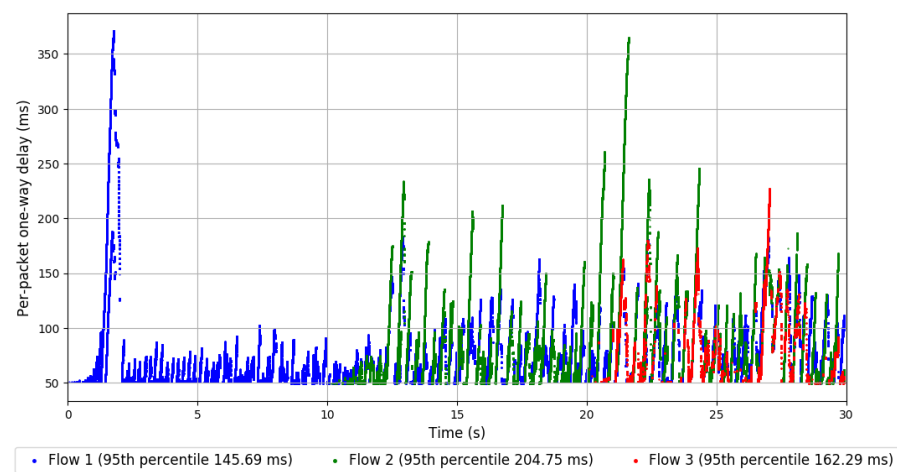
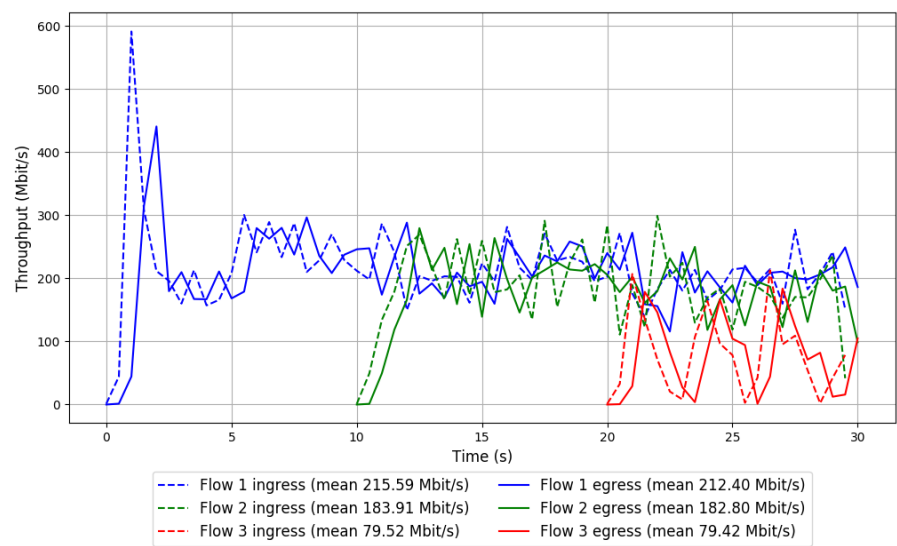


Run 10: Statistics of Verus

Start at: 2018-07-20 11:09:30
End at: 2018-07-20 11:10:00
Local clock offset: -0.314 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-20 14:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.00 Mbit/s
95th percentile per-packet one-way delay: 170.801 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 212.40 Mbit/s
95th percentile per-packet one-way delay: 145.686 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 182.80 Mbit/s
95th percentile per-packet one-way delay: 204.748 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 162.289 ms
Loss rate: 0.19%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 07:28:13

End at: 2018-07-20 07:28:43

Local clock offset: -0.108 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-20 14:05:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 442.38 Mbit/s

95th percentile per-packet one-way delay: 148.066 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 256.91 Mbit/s

95th percentile per-packet one-way delay: 155.173 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 232.82 Mbit/s

95th percentile per-packet one-way delay: 147.872 ms

Loss rate: 0.42%

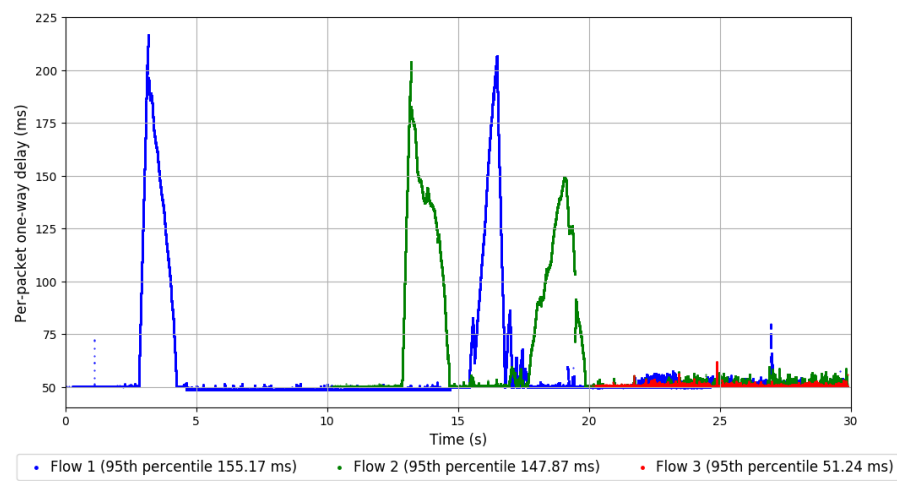
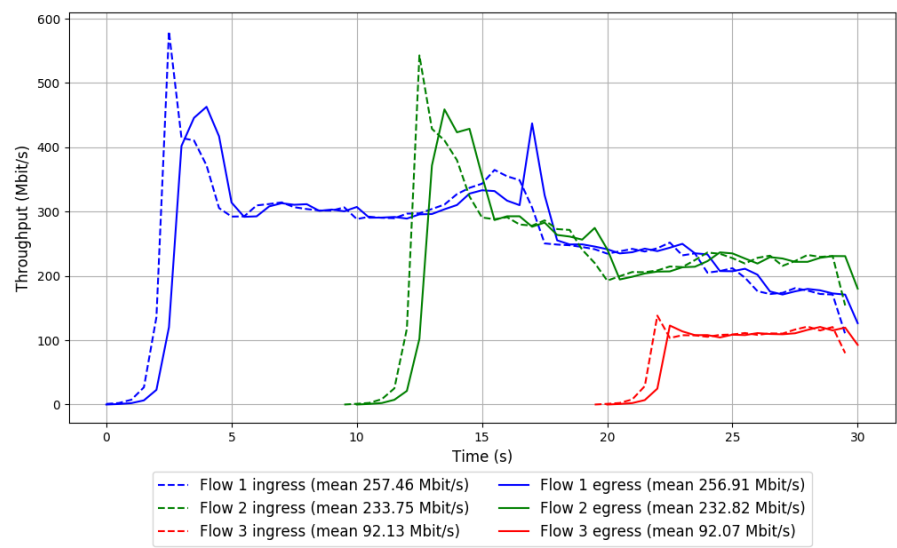
-- Flow 3:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 51.241 ms

Loss rate: 0.02%

Run 1: Report of PCC-Vivace — Data Link

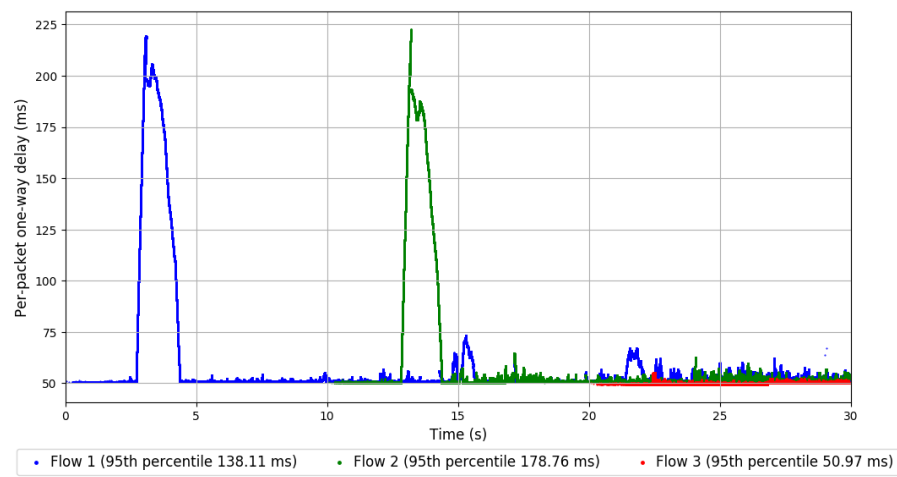
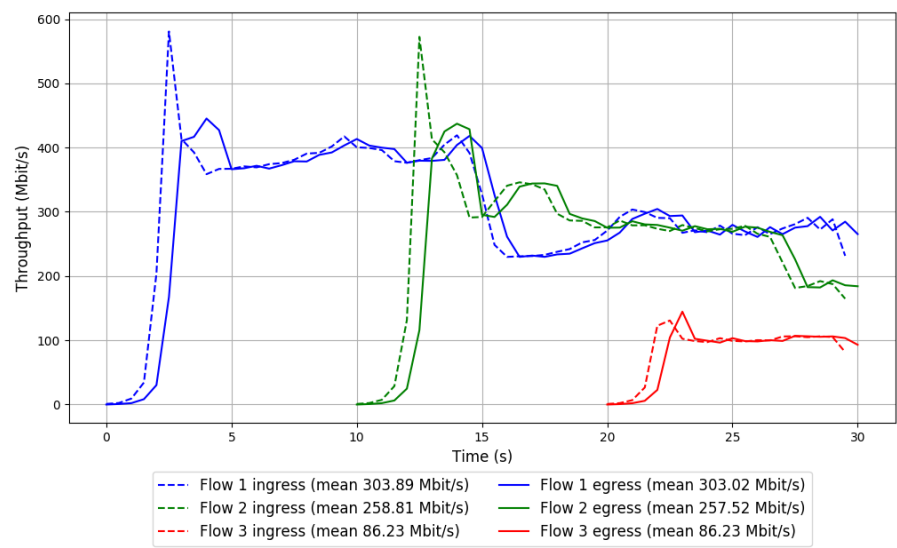


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 07:53:21
End at: 2018-07-20 07:53:51
Local clock offset: -0.095 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 14:06:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.70 Mbit/s
95th percentile per-packet one-way delay: 155.602 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 303.02 Mbit/s
95th percentile per-packet one-way delay: 138.107 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 257.52 Mbit/s
95th percentile per-packet one-way delay: 178.764 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 50.972 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

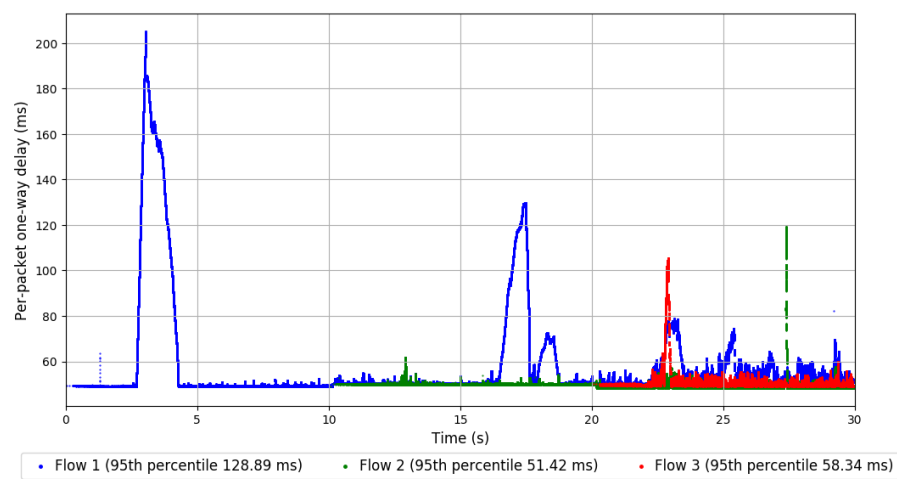
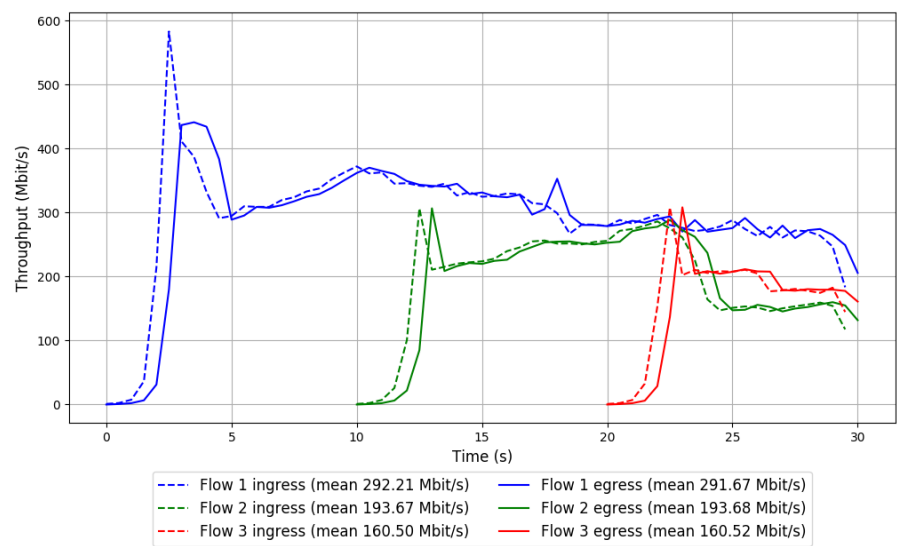


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 08:18:18
End at: 2018-07-20 08:18:48
Local clock offset: 0.192 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-20 14:06:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.44 Mbit/s
95th percentile per-packet one-way delay: 103.329 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 291.67 Mbit/s
95th percentile per-packet one-way delay: 128.888 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 193.68 Mbit/s
95th percentile per-packet one-way delay: 51.420 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 160.52 Mbit/s
95th percentile per-packet one-way delay: 58.337 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

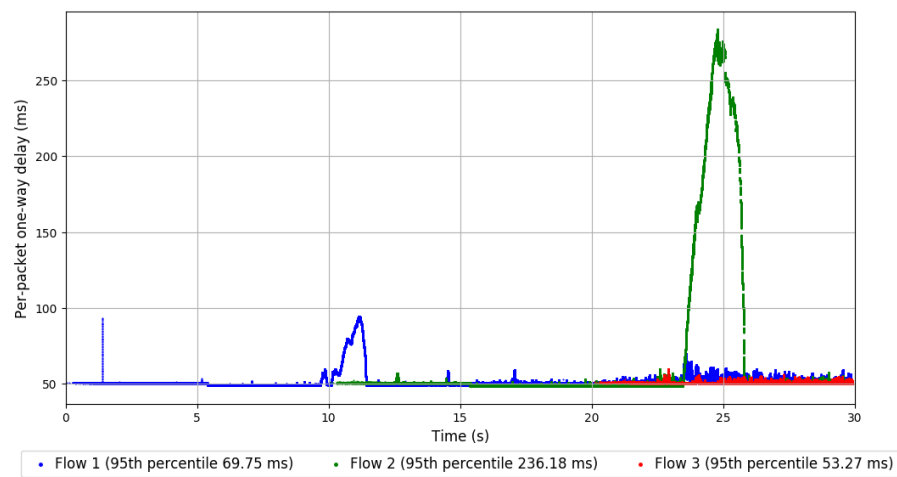
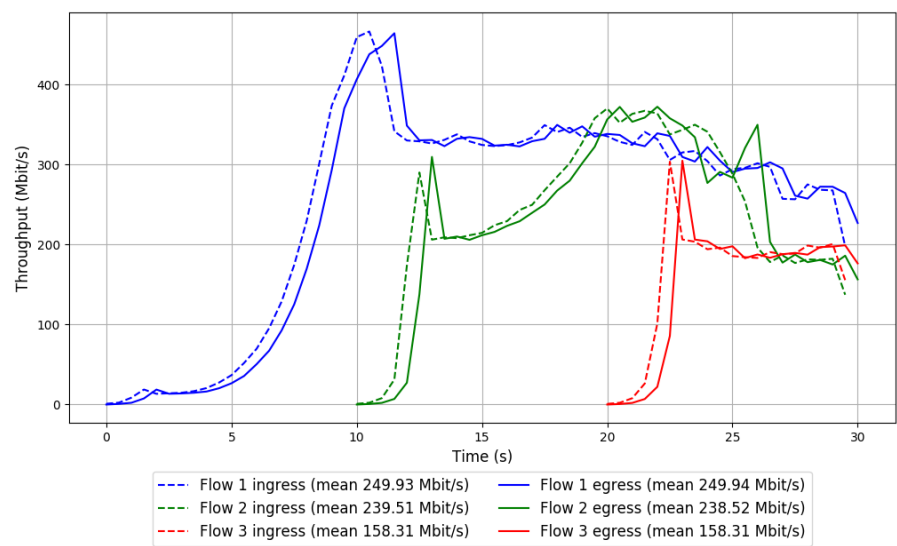


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 08:43:13
End at: 2018-07-20 08:43:43
Local clock offset: 0.258 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-20 14:06:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 460.58 Mbit/s
95th percentile per-packet one-way delay: 93.343 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 249.94 Mbit/s
95th percentile per-packet one-way delay: 69.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 238.52 Mbit/s
95th percentile per-packet one-way delay: 236.175 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 158.31 Mbit/s
95th percentile per-packet one-way delay: 53.273 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

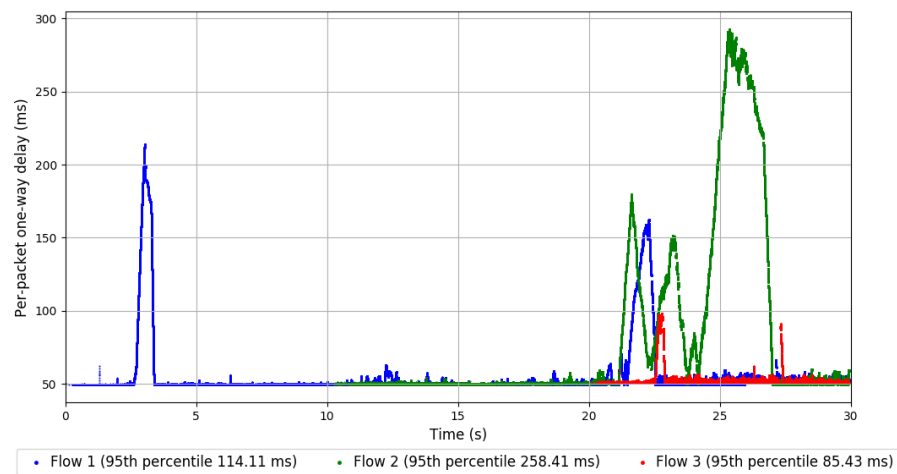
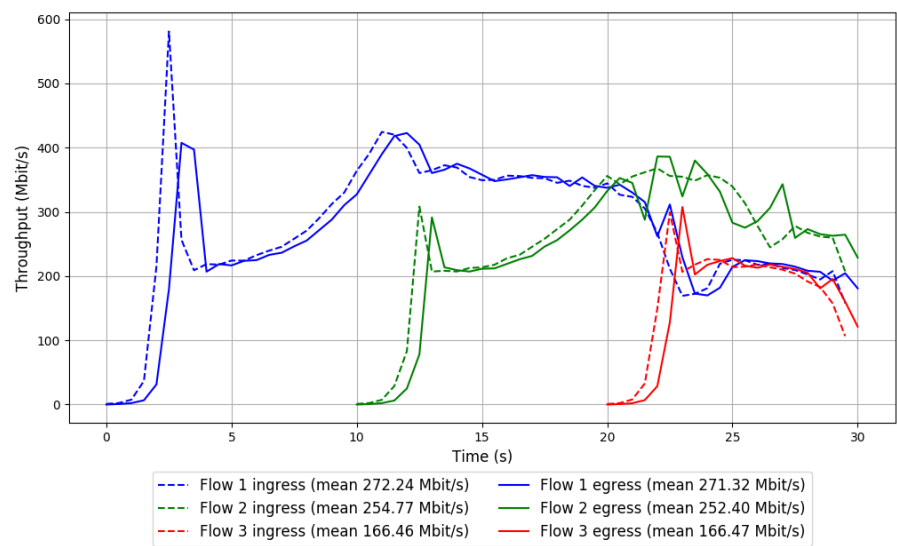


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 09:08:32
End at: 2018-07-20 09:09:02
Local clock offset: -0.01 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-20 14:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.05 Mbit/s
95th percentile per-packet one-way delay: 171.559 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 271.32 Mbit/s
95th percentile per-packet one-way delay: 114.108 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: 258.409 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 166.47 Mbit/s
95th percentile per-packet one-way delay: 85.431 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 09:33:35

End at: 2018-07-20 09:34:05

Local clock offset: 0.32 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-20 14:07:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 453.58 Mbit/s

95th percentile per-packet one-way delay: 153.913 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 258.92 Mbit/s

95th percentile per-packet one-way delay: 149.804 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 238.22 Mbit/s

95th percentile per-packet one-way delay: 169.280 ms

Loss rate: 0.52%

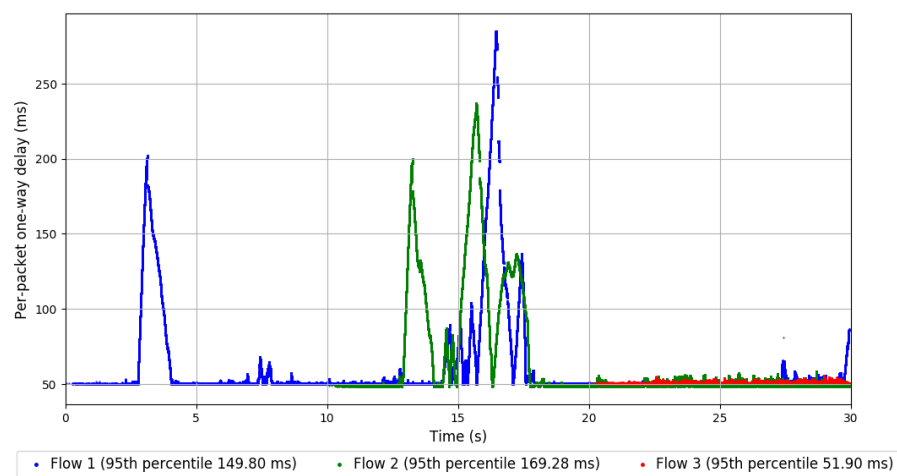
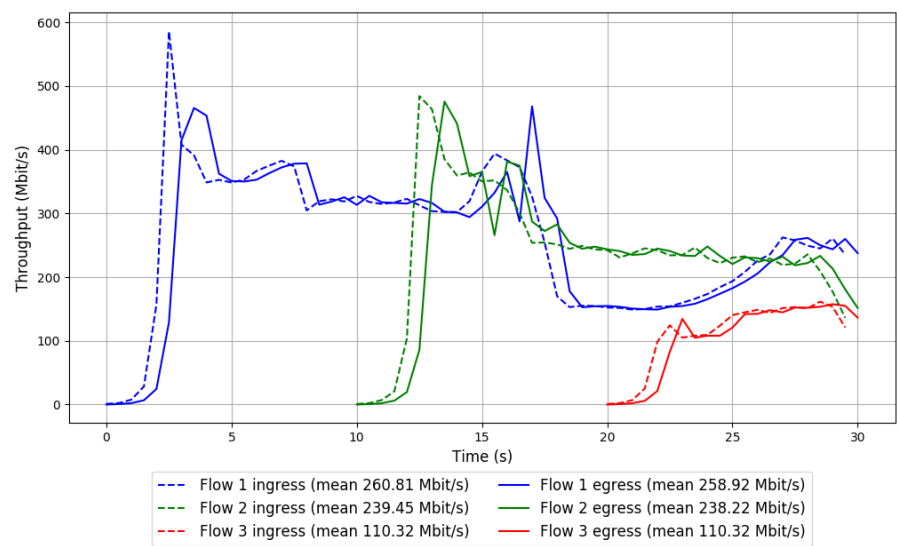
-- Flow 3:

Average throughput: 110.32 Mbit/s

95th percentile per-packet one-way delay: 51.904 ms

Loss rate: 0.03%

Run 6: Report of PCC-Vivace — Data Link

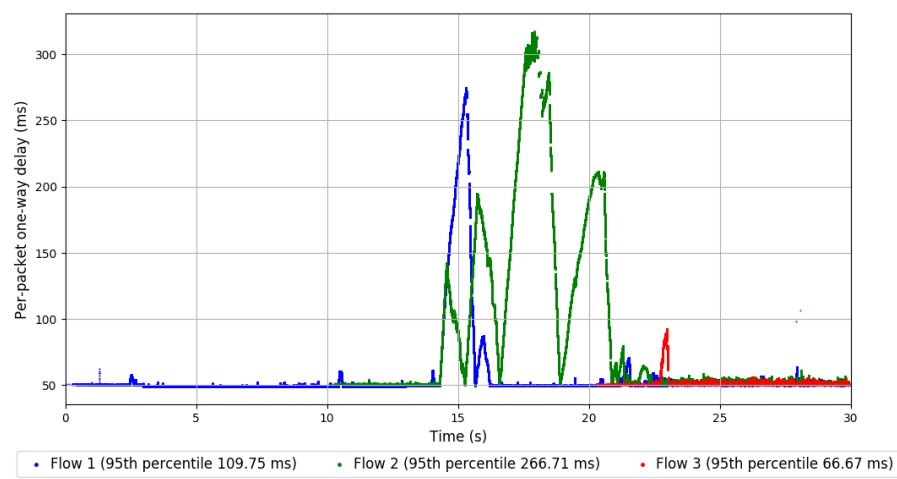
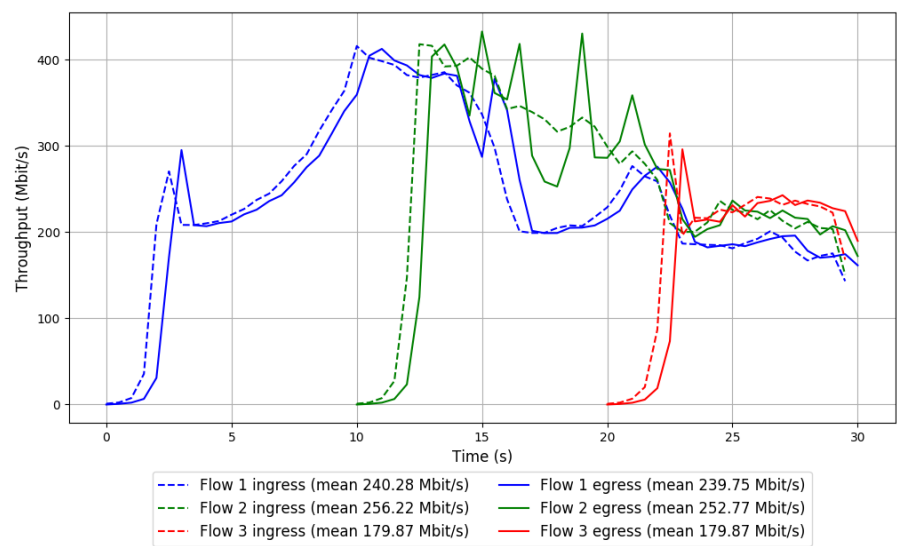


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 09:58:25
End at: 2018-07-20 09:58:55
Local clock offset: -0.182 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 14:09:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.13 Mbit/s
95th percentile per-packet one-way delay: 200.774 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 239.75 Mbit/s
95th percentile per-packet one-way delay: 109.748 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 252.77 Mbit/s
95th percentile per-packet one-way delay: 266.707 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 179.87 Mbit/s
95th percentile per-packet one-way delay: 66.673 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

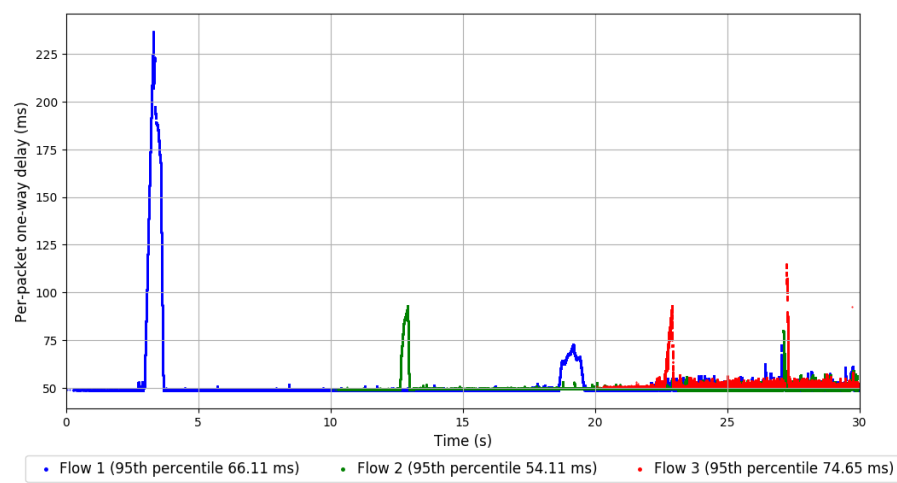
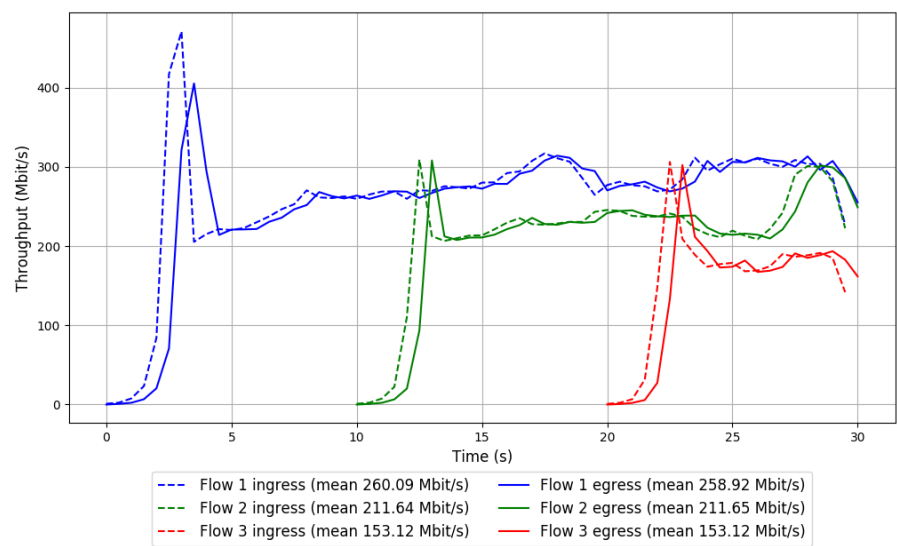


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 10:23:15
End at: 2018-07-20 10:23:45
Local clock offset: -0.228 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-20 14:09:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 450.15 Mbit/s
95th percentile per-packet one-way delay: 64.405 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 258.92 Mbit/s
95th percentile per-packet one-way delay: 66.107 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 211.65 Mbit/s
95th percentile per-packet one-way delay: 54.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.12 Mbit/s
95th percentile per-packet one-way delay: 74.646 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

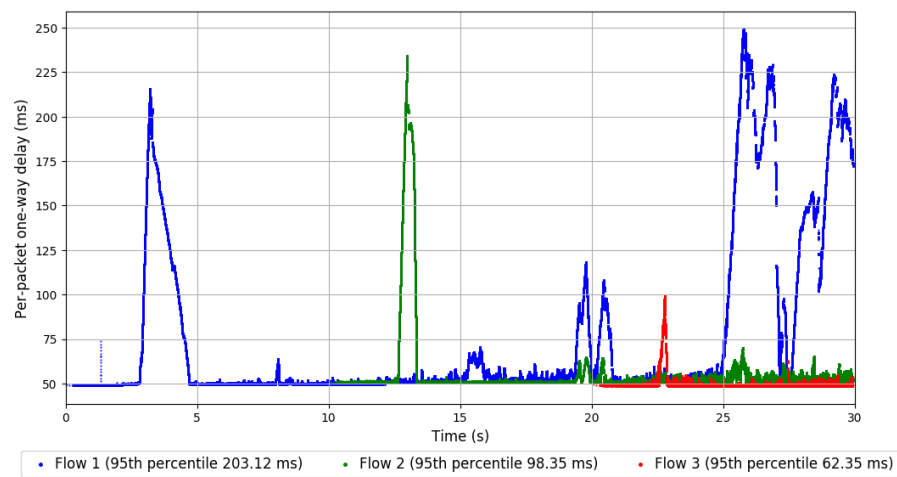
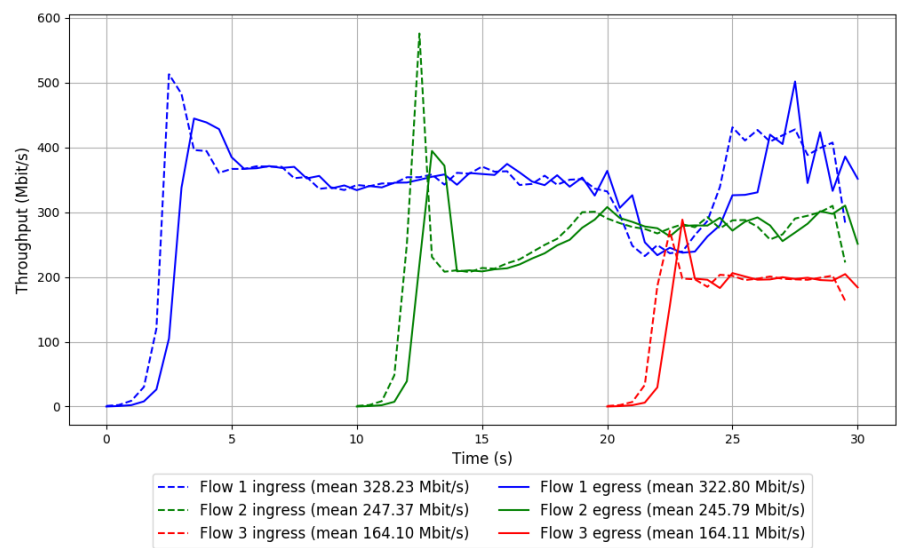


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 10:47:56
End at: 2018-07-20 10:48:26
Local clock offset: -0.238 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.28 Mbit/s
95th percentile per-packet one-way delay: 194.270 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 322.80 Mbit/s
95th percentile per-packet one-way delay: 203.115 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 245.79 Mbit/s
95th percentile per-packet one-way delay: 98.350 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 164.11 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

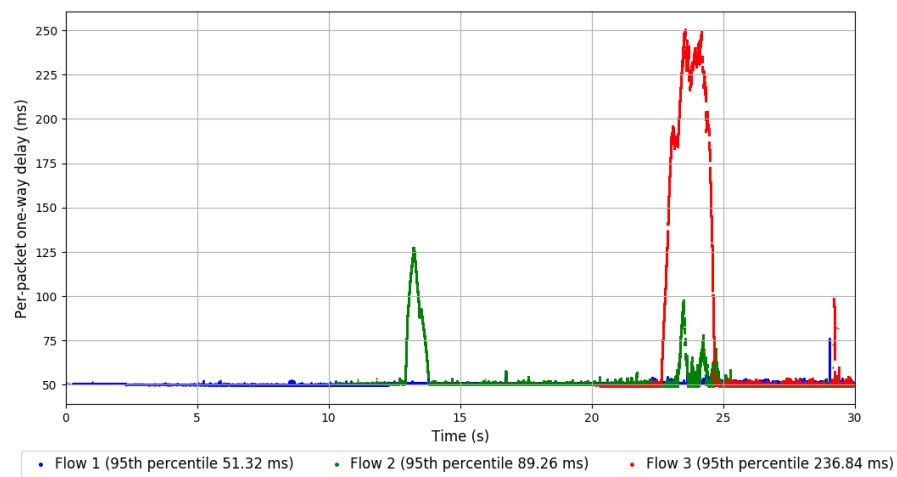
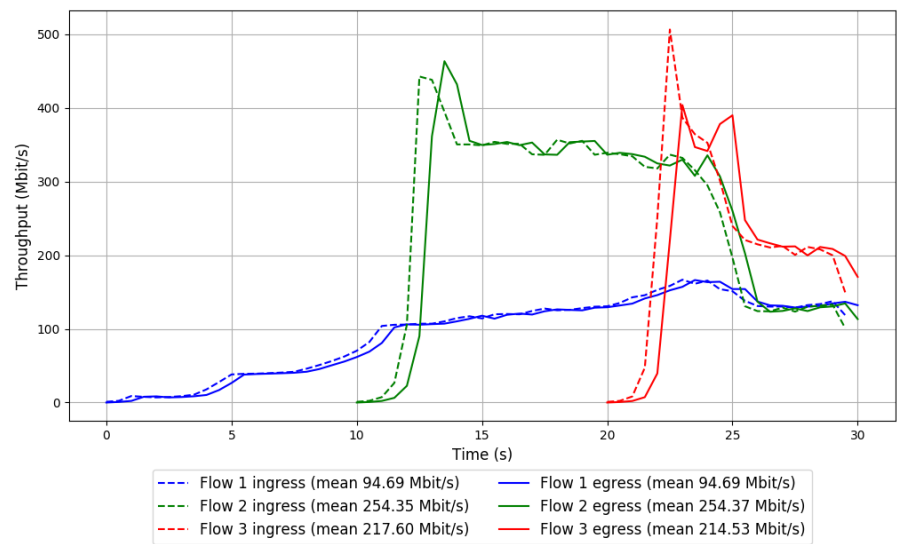


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-20 11:12:56
End at: 2018-07-20 11:13:26
Local clock offset: -0.306 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.59 Mbit/s
95th percentile per-packet one-way delay: 186.052 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 51.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 254.37 Mbit/s
95th percentile per-packet one-way delay: 89.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.53 Mbit/s
95th percentile per-packet one-way delay: 236.841 ms
Loss rate: 1.41%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-20 07:11:30

End at: 2018-07-20 07:12:00

Local clock offset: 0.235 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-20 14:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 50.483 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 48.681 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.00%

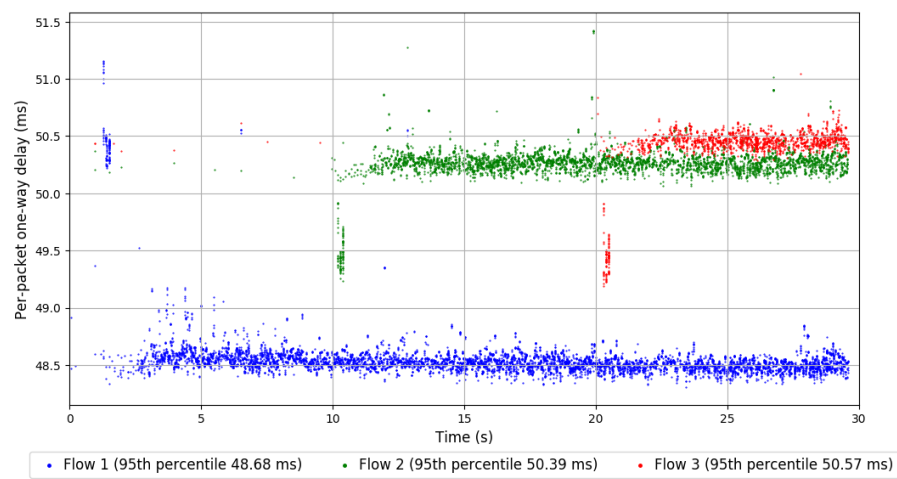
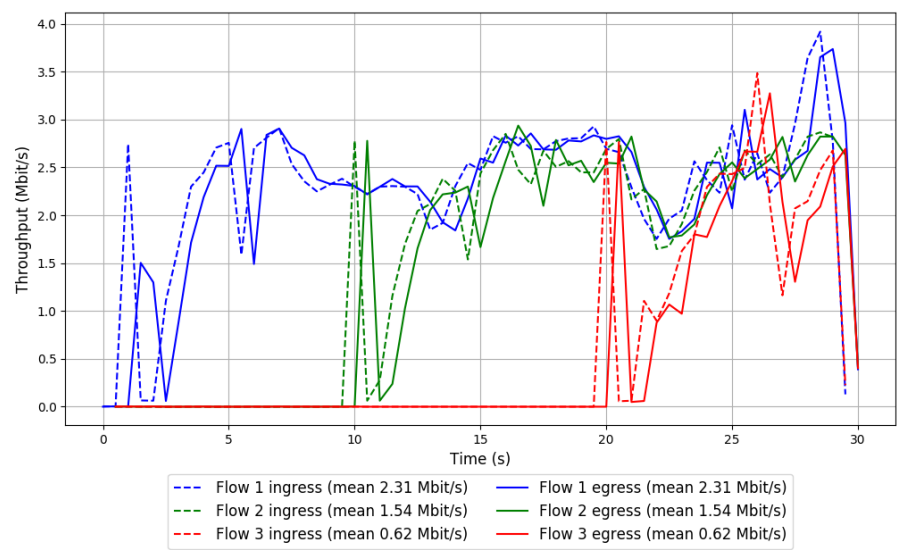
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 50.570 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-20 07:36:22

End at: 2018-07-20 07:36:52

Local clock offset: -0.112 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-20 14:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 50.913 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 50.048 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 50.711 ms

Loss rate: 0.00%

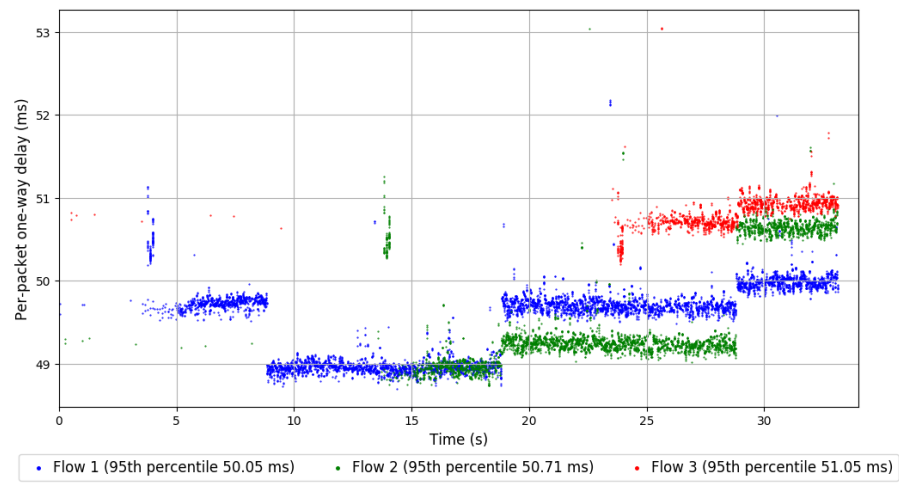
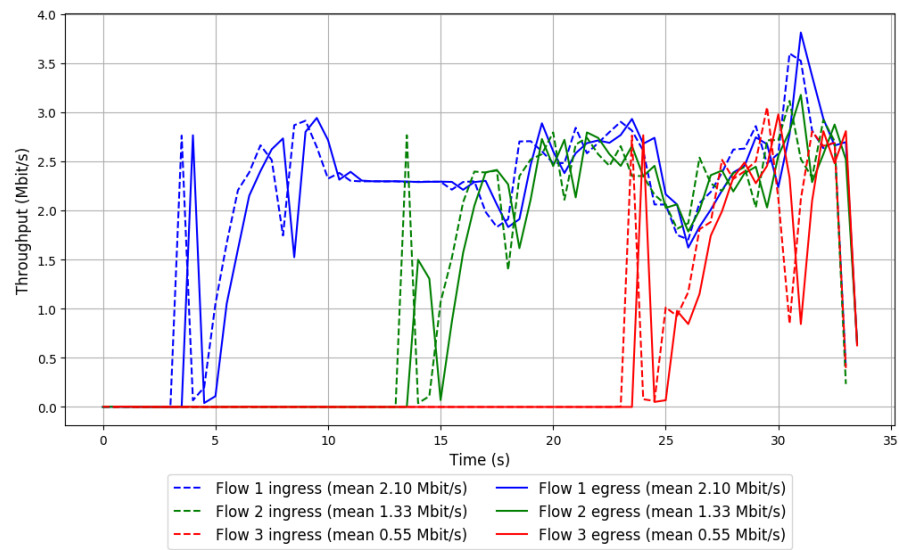
-- Flow 3:

Average throughput: 0.55 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

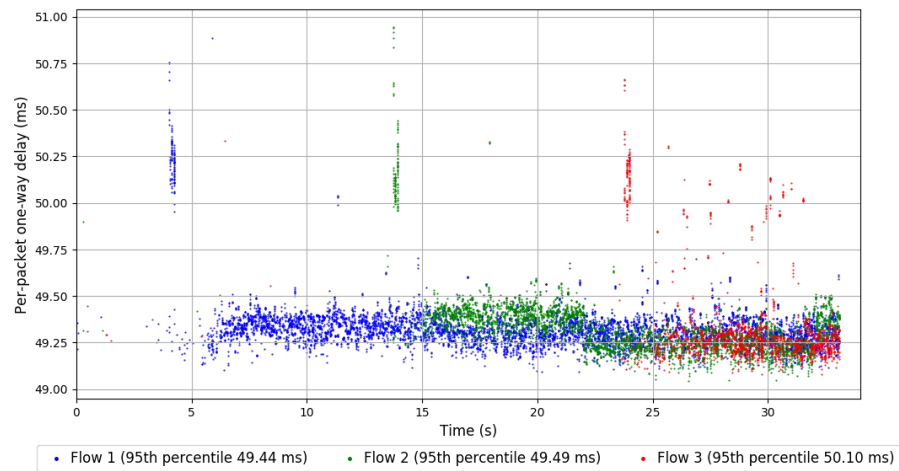
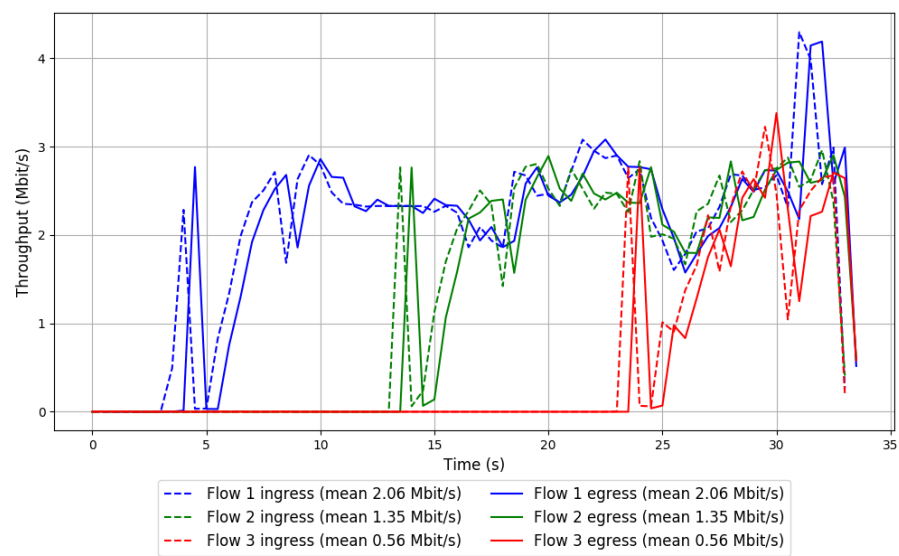


Run 3: Statistics of WebRTC media

Start at: 2018-07-20 08:01:19
End at: 2018-07-20 08:01:49
Local clock offset: 0.261 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 49.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 49.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 49.490 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.099 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

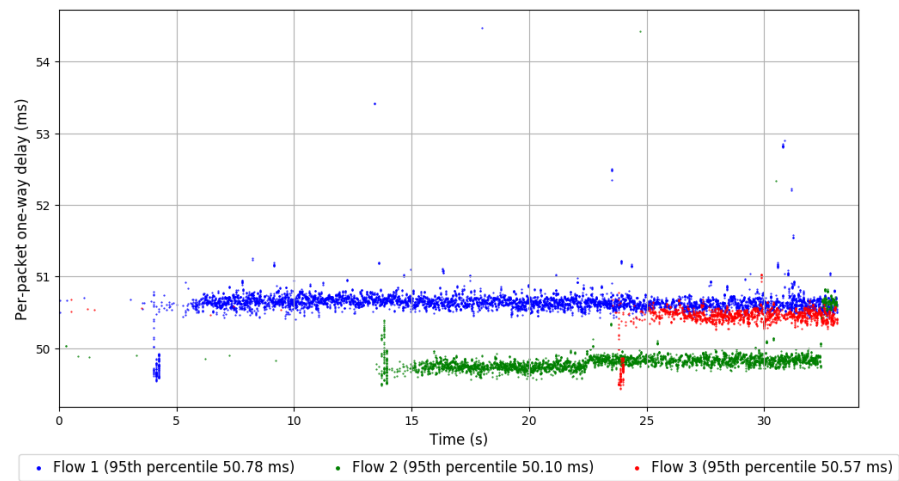
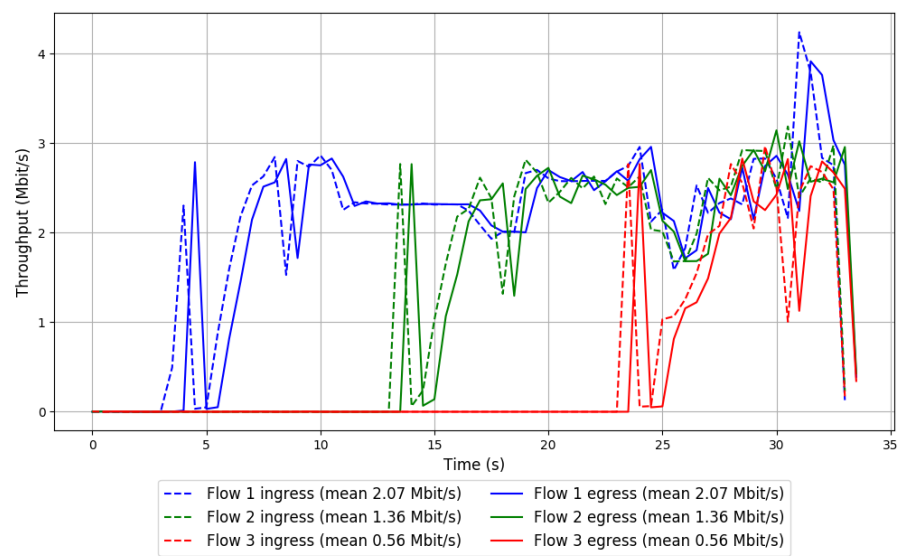


Run 4: Statistics of WebRTC media

Start at: 2018-07-20 08:26:19
End at: 2018-07-20 08:26:49
Local clock offset: -0.111 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 50.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 50.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 50.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-20 08:51:16

End at: 2018-07-20 08:51:46

Local clock offset: 0.278 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-20 14:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 50.441 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 50.384 ms

Loss rate: 0.00%

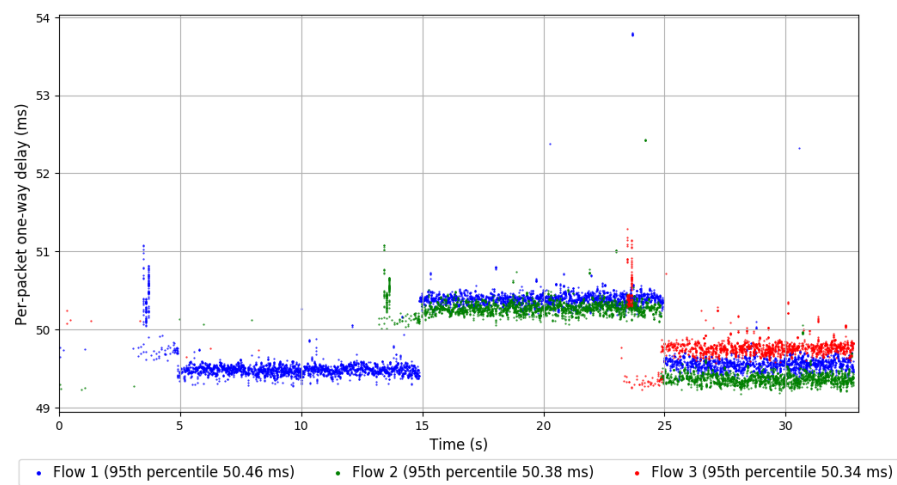
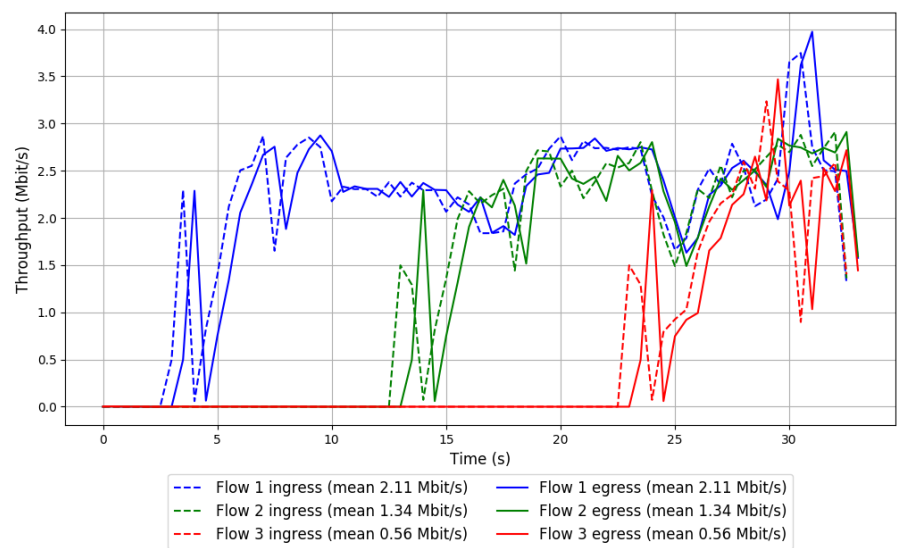
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 50.336 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

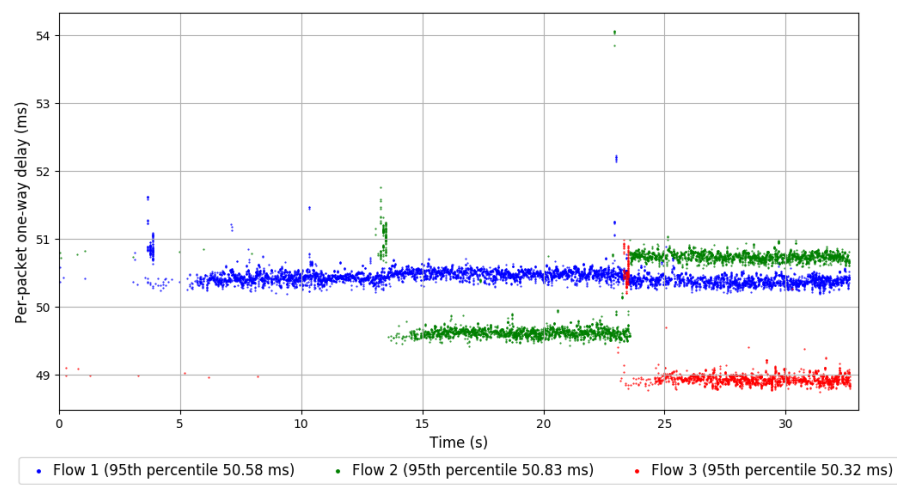
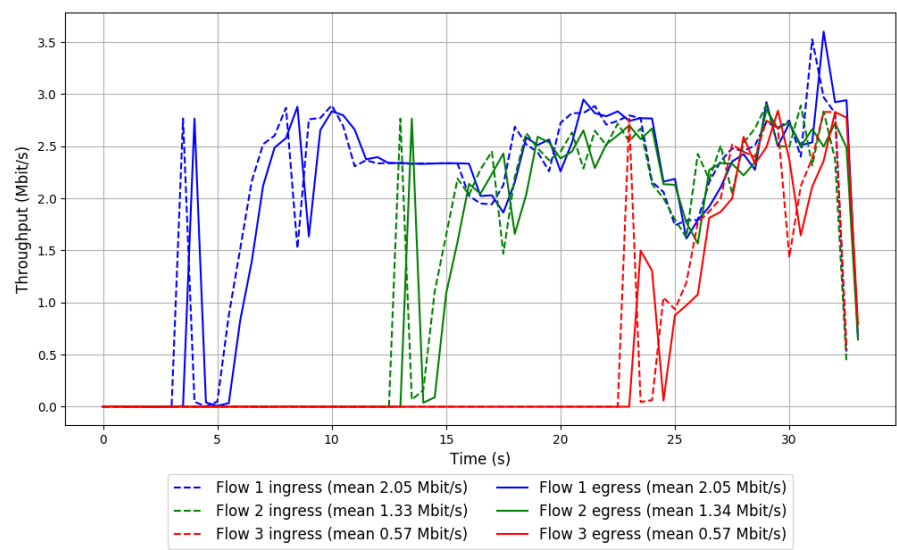


Run 6: Statistics of WebRTC media

Start at: 2018-07-20 09:16:37
End at: 2018-07-20 09:17:07
Local clock offset: -0.004 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 50.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 50.322 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-20 09:41:31

End at: 2018-07-20 09:42:01

Local clock offset: -0.111 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-20 14:09:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 50.666 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 50.576 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 50.680 ms

Loss rate: 0.00%

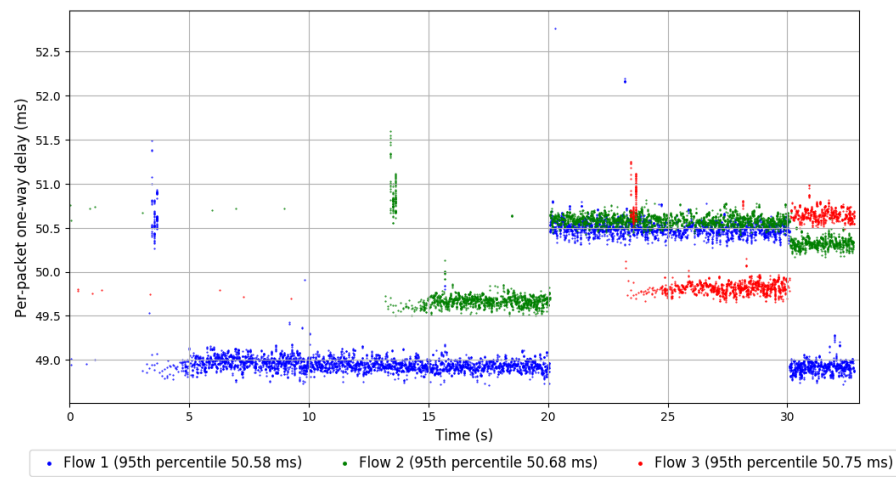
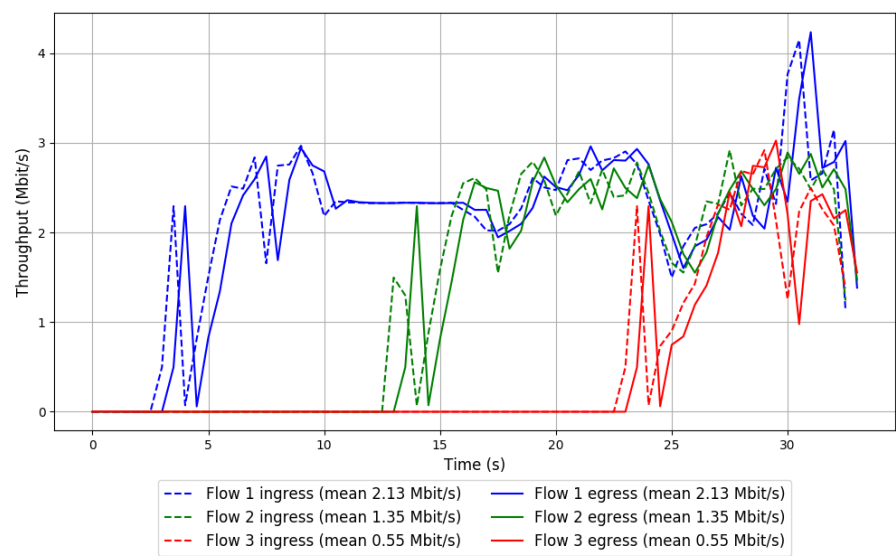
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

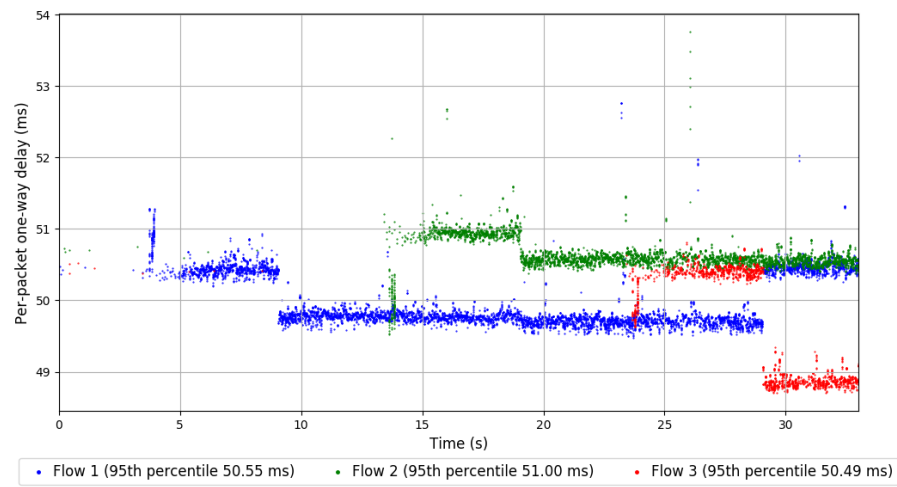
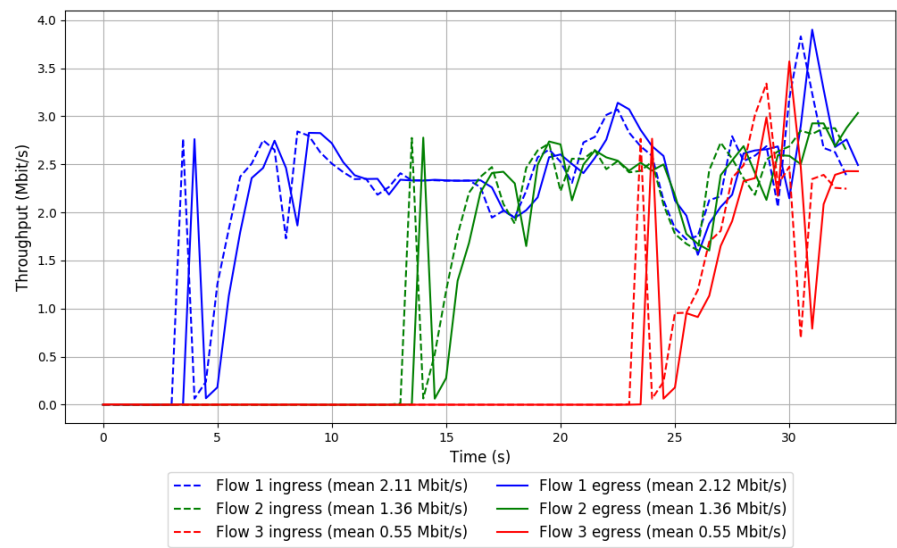


Run 8: Statistics of WebRTC media

Start at: 2018-07-20 10:06:22
End at: 2018-07-20 10:06:52
Local clock offset: -0.154 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 50.996 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.489 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

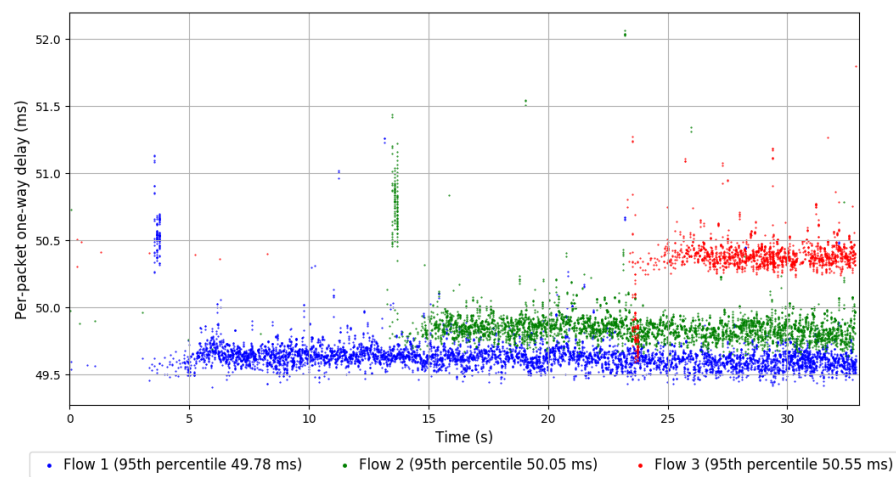
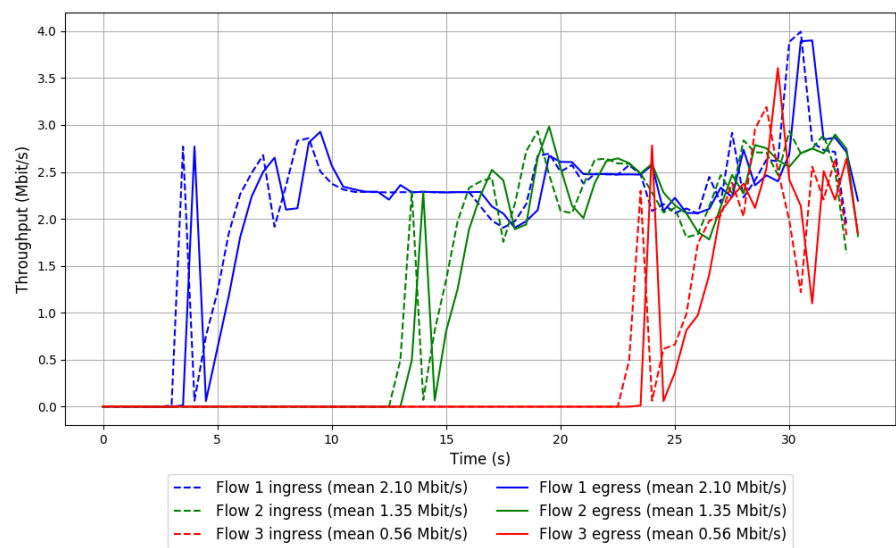


Run 9: Statistics of WebRTC media

Start at: 2018-07-20 10:31:12
End at: 2018-07-20 10:31:42
Local clock offset: -0.239 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 50.430 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 49.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 50.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.551 ms
Loss rate: 0.45%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 10:56:00
End at: 2018-07-20 10:56:30
Local clock offset: 0.118 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-20 14:09:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 49.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 48.631 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 49.537 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 50.338 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

