

Pantheon Report

Generated at 2019-10-03 15:11:49 (UTC).

Data path: Stanford on `eno1` (*remote*) → AWS California 1 on `ens5` (*local*).

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

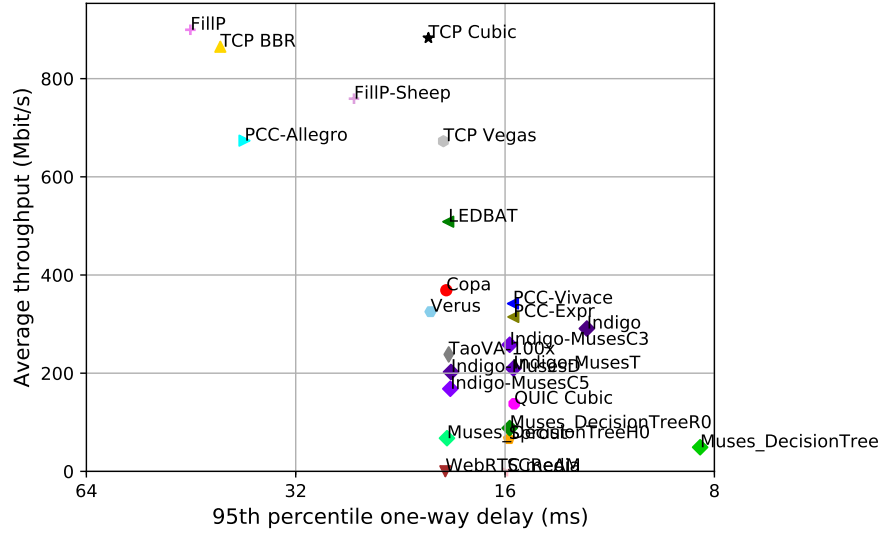
```
Linux 4.15.0-1050-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

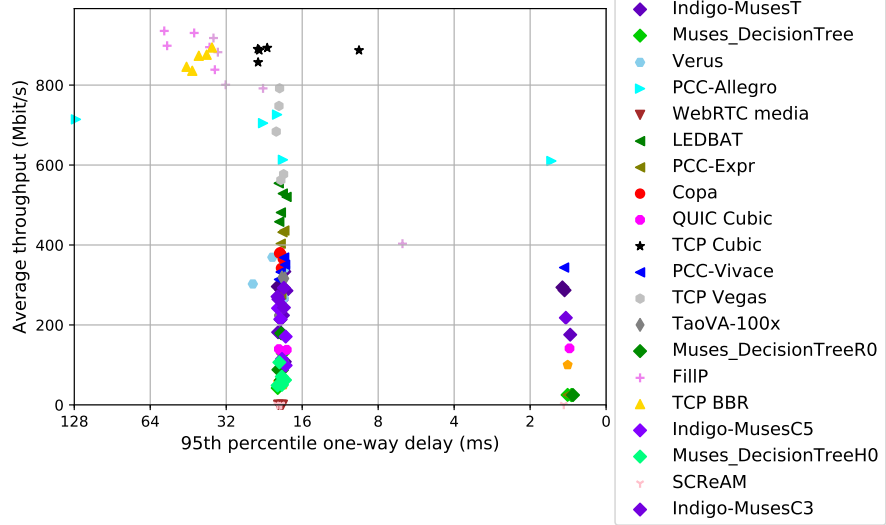
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Stanford to AWS California 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Stanford to AWS California 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



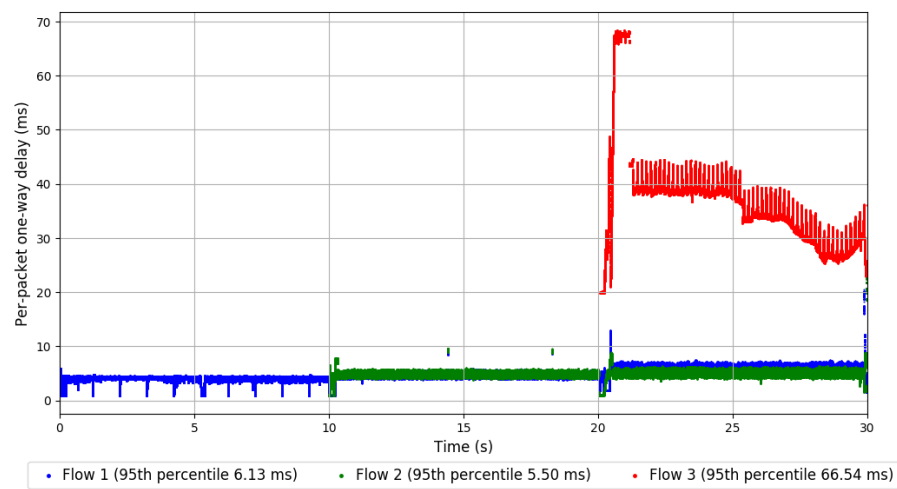
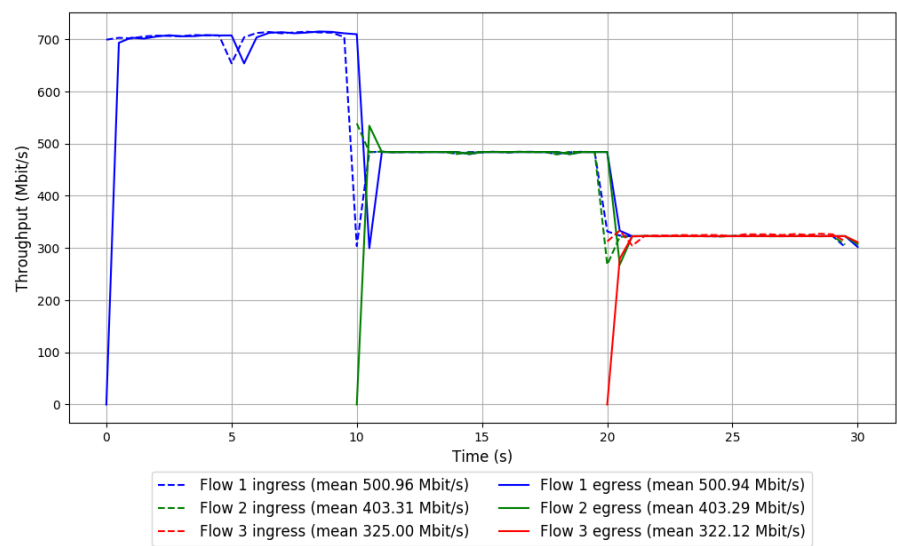
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	488.36	403.15	326.23	28.66	22.13	42.15	0.18	0.26	0.83
Copa	5	218.43	176.97	98.59	15.70	8.28	8.41	0.03	0.03	0.07
TCP Cubic	5	517.86	396.33	304.24	12.29	14.52	18.07	0.03	0.06	0.19
FillP	5	546.11	386.28	292.56	40.81	44.95	47.97	0.14	0.17	0.52
FillP-Sheep	5	490.96	292.93	222.29	23.91	21.61	19.42	0.03	0.07	0.17
Indigo	5	154.80	142.59	126.32	8.39	8.28	4.88	0.02	0.04	0.03
Indigo-MusesC3	5	204.29	75.54	29.19	12.18	8.18	19.18	0.04	0.06	0.32
Indigo-MusesC5	5	124.95	51.99	44.63	11.93	11.90	11.74	0.02	0.09	0.22
Indigo-MusesD	5	163.49	48.28	36.25	11.70	11.70	11.83	0.02	0.03	0.34
Indigo-MusesT	5	161.63	59.68	43.69	8.04	4.77	15.52	0.01	0.02	0.22
LEDBAT	5	303.38	213.80	189.50	10.67	12.54	9.01	0.01	0.05	0.10
Muses_DecisionTree	5	33.68	12.43	22.76	4.59	0.96	4.77	0.01	0.01	0.04
Muses_DecisionTreeH0	5	12.32	56.53	57.00	0.89	11.78	19.46	0.01	0.03	0.17
Muses_DecisionTreeR0	5	51.97	37.88	35.30	8.12	8.39	8.29	0.02	0.03	0.10
PCC-Allegro	5	512.81	155.04	176.26	39.52	8.81	9.44	0.09	0.03	0.08
PCC-Expr	5	225.56	102.32	63.77	8.27	12.03	8.21	0.02	0.05	0.12
QUIC Cubic	5	74.41	66.47	57.28	11.72	4.75	8.16	0.04	0.03	0.10
SCReAM	5	0.22	0.22	0.22	12.23	8.17	12.07	0.05	0.08	0.14
Sprout	5	29.88	34.89	39.74	15.58	12.00	7.91	0.09	0.06	0.05
TaoVA-100x	5	116.92	137.51	89.74	7.88	15.76	4.50	0.01	0.05	0.03
TCP Vegas	5	398.70	260.62	301.92	15.84	9.03	9.01	0.04	0.04	0.08
Verus	5	171.85	154.23	153.89	7.75	10.15	19.97	0.00	0.04	0.18
PCC-Vivace	5	218.23	137.45	97.62	8.30	4.90	12.03	0.01	0.03	0.13
WebRTC media	5	0.05	0.05	0.05	4.64	11.95	12.05	0.01	0.01	0.01

Run 1: Statistics of TCP BBR

Start at: 2019-10-03 11:10:09
End at: 2019-10-03 11:10:39
Local clock offset: 4.1 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2019-10-03 14:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 876.09 Mbit/s
95th percentile per-packet one-way delay: 38.260 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 500.94 Mbit/s
95th percentile per-packet one-way delay: 6.134 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 403.29 Mbit/s
95th percentile per-packet one-way delay: 5.502 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 322.12 Mbit/s
95th percentile per-packet one-way delay: 66.540 ms
Loss rate: 1.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-10-03 11:45:17

End at: 2019-10-03 11:45:47

Local clock offset: 3.926 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2019-10-03 14:15:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 835.90 Mbit/s

95th percentile per-packet one-way delay: 43.615 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 460.07 Mbit/s

95th percentile per-packet one-way delay: 43.708 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 399.31 Mbit/s

95th percentile per-packet one-way delay: 46.618 ms

Loss rate: 0.52%

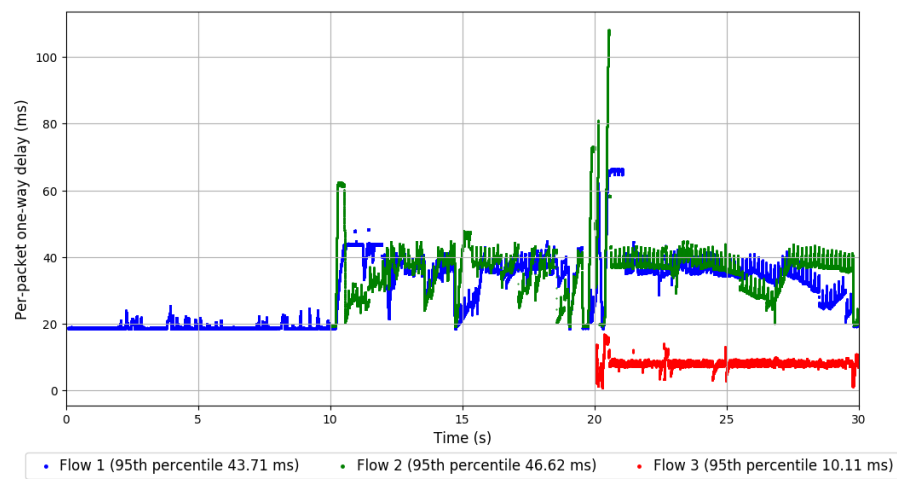
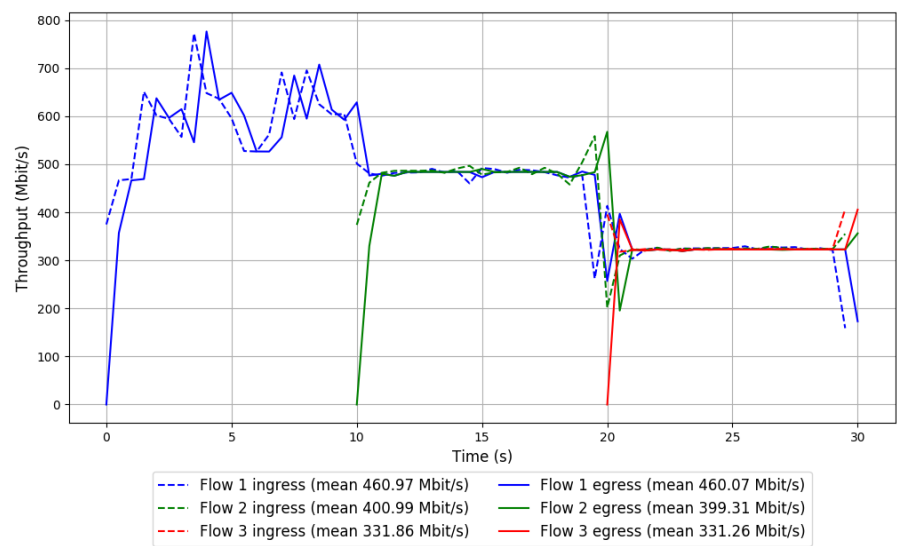
-- Flow 3:

Average throughput: 331.26 Mbit/s

95th percentile per-packet one-way delay: 10.105 ms

Loss rate: 0.22%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-10-03 12:20:42

End at: 2019-10-03 12:21:12

Local clock offset: 3.767 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2019-10-03 14:15:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 845.84 Mbit/s

95th percentile per-packet one-way delay: 45.959 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 471.97 Mbit/s

95th percentile per-packet one-way delay: 44.592 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 399.64 Mbit/s

95th percentile per-packet one-way delay: 47.167 ms

Loss rate: 0.73%

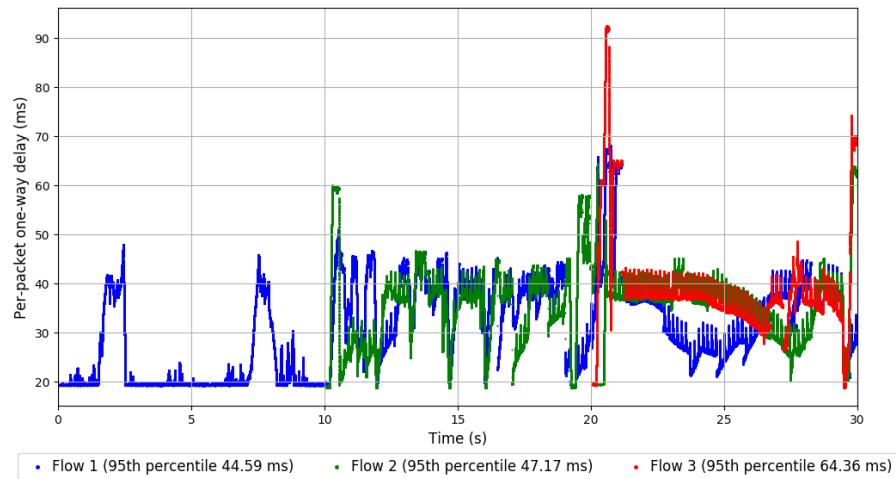
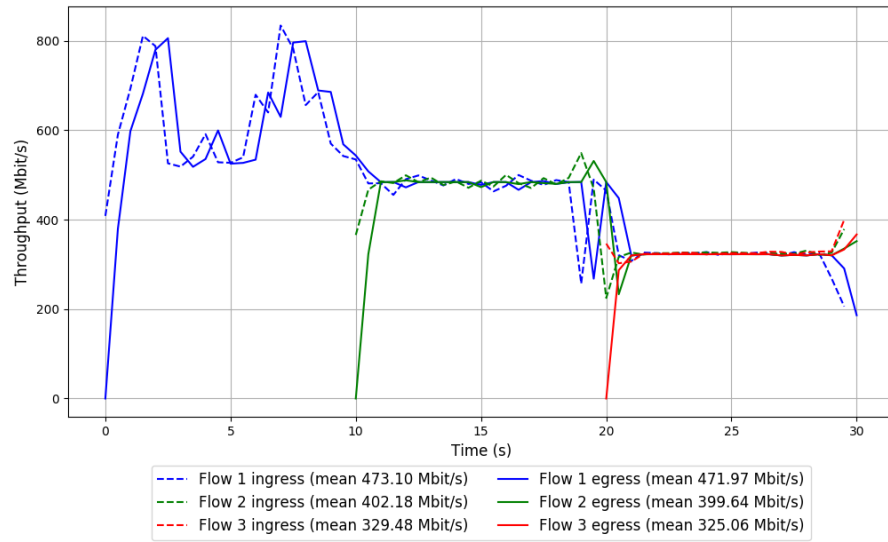
-- Flow 3:

Average throughput: 325.06 Mbit/s

95th percentile per-packet one-way delay: 64.363 ms

Loss rate: 1.54%

Run 3: Report of TCP BBR — Data Link

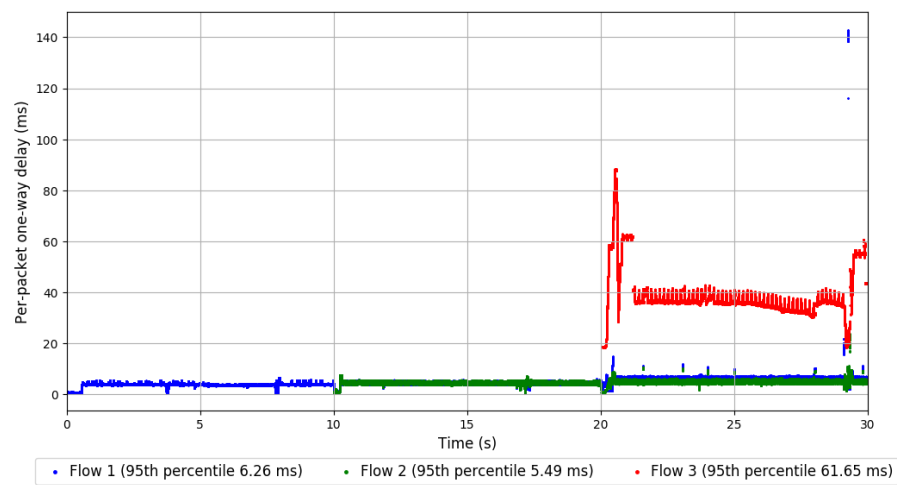
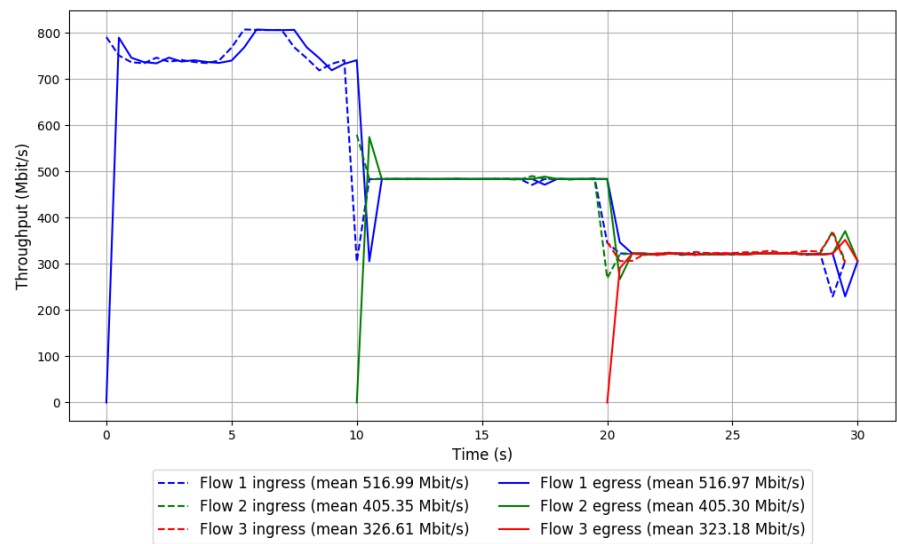


Run 4: Statistics of TCP BBR

Start at: 2019-10-03 12:55:59
End at: 2019-10-03 12:56:29
Local clock offset: 3.752 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-10-03 14:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 894.07 Mbit/s
95th percentile per-packet one-way delay: 36.440 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 516.97 Mbit/s
95th percentile per-packet one-way delay: 6.256 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 405.30 Mbit/s
95th percentile per-packet one-way delay: 5.488 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 323.18 Mbit/s
95th percentile per-packet one-way delay: 61.645 ms
Loss rate: 1.26%

Run 4: Report of TCP BBR — Data Link

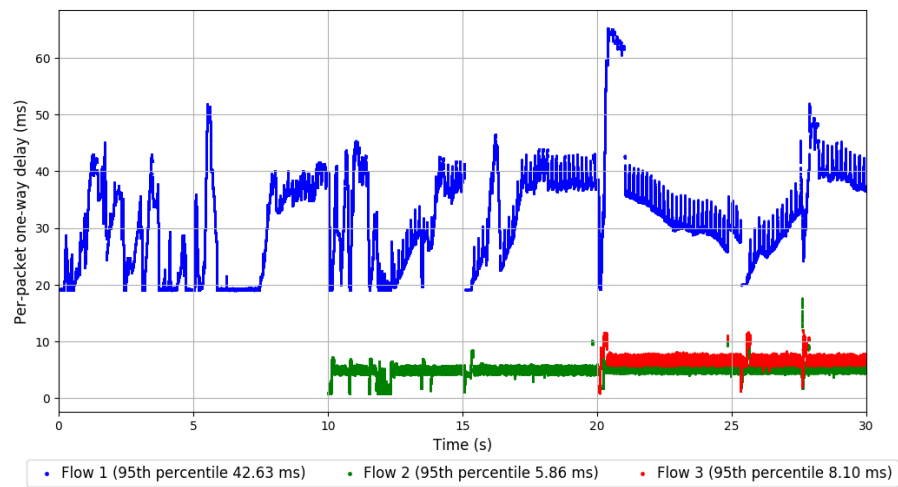
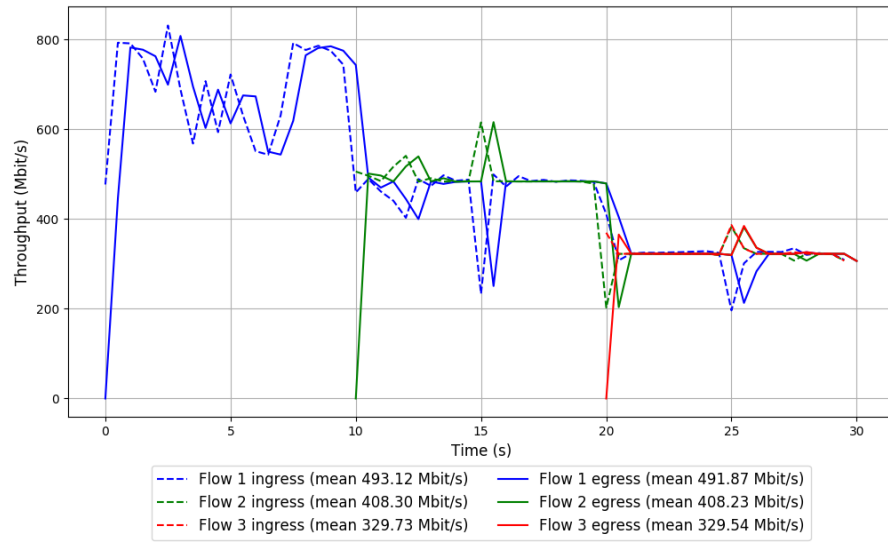


Run 5: Statistics of TCP BBR

Start at: 2019-10-03 13:31:27
End at: 2019-10-03 13:31:57
Local clock offset: 4.417 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-10-03 14:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 873.46 Mbit/s
95th percentile per-packet one-way delay: 41.097 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 491.87 Mbit/s
95th percentile per-packet one-way delay: 42.631 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 408.23 Mbit/s
95th percentile per-packet one-way delay: 5.857 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 329.54 Mbit/s
95th percentile per-packet one-way delay: 8.099 ms
Loss rate: 0.08%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-10-03 11:25:55

End at: 2019-10-03 11:26:25

Local clock offset: 4.123 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2019-10-03 14:15:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.91 Mbit/s

95th percentile per-packet one-way delay: 19.579 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 215.72 Mbit/s

95th percentile per-packet one-way delay: 19.604 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 200.52 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.00%

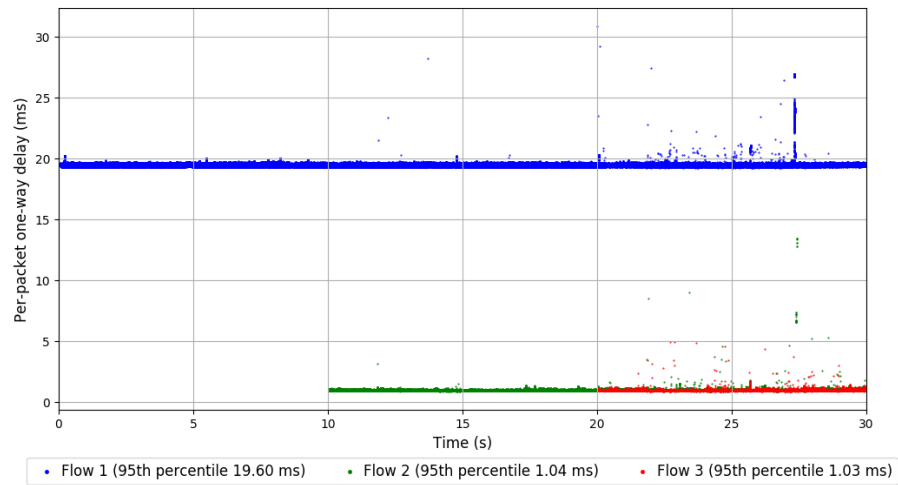
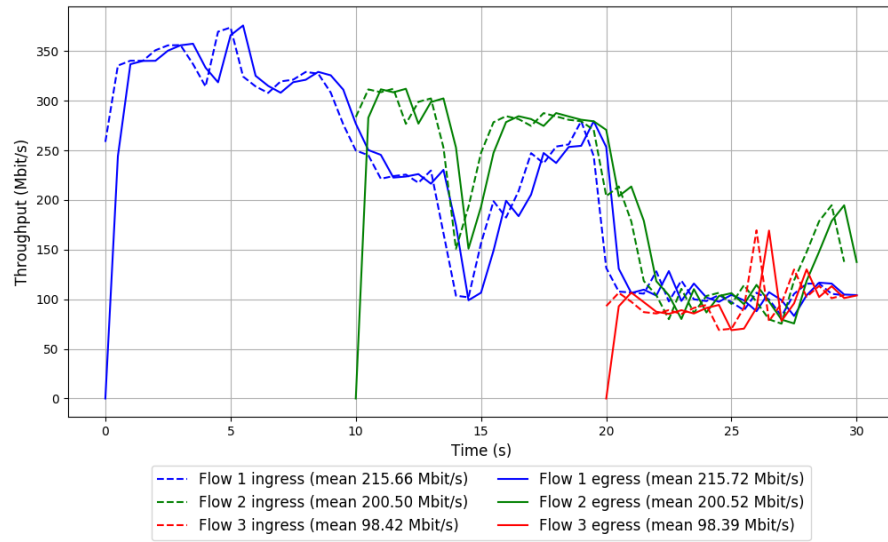
-- Flow 3:

Average throughput: 98.39 Mbit/s

95th percentile per-packet one-way delay: 1.032 ms

Loss rate: 0.04%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-10-03 12:01:24

End at: 2019-10-03 12:01:54

Local clock offset: 3.837 ms

Remote clock offset: 0.293 ms

Below is generated by plot.py at 2019-10-03 14:15:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.11 Mbit/s

95th percentile per-packet one-way delay: 19.420 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 199.54 Mbit/s

95th percentile per-packet one-way delay: 19.455 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 166.09 Mbit/s

95th percentile per-packet one-way delay: 0.860 ms

Loss rate: 0.01%

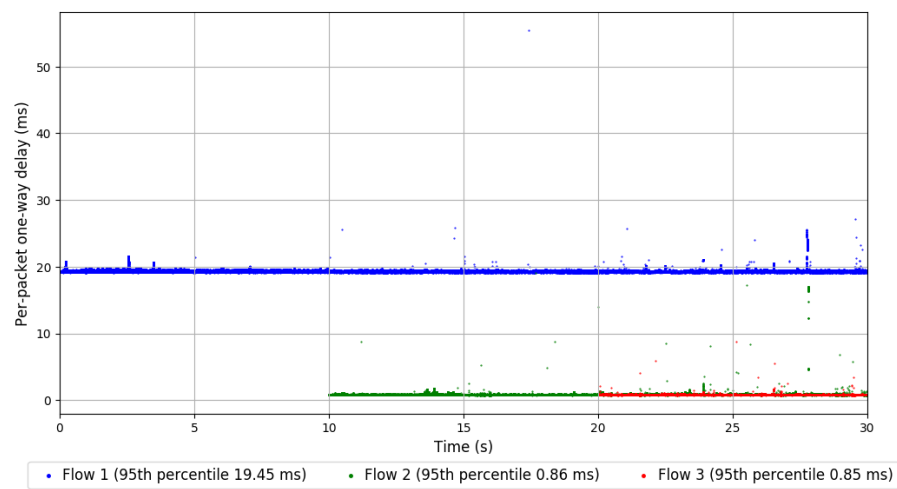
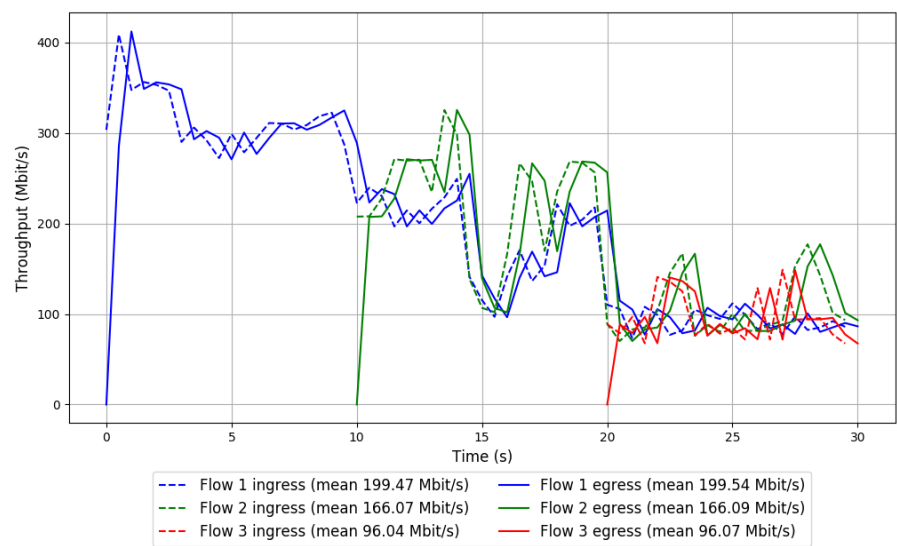
-- Flow 3:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 0.849 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

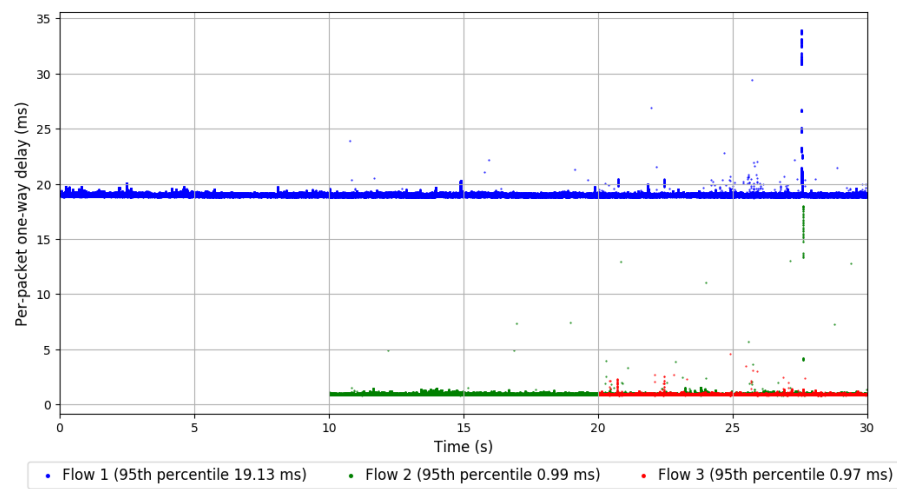
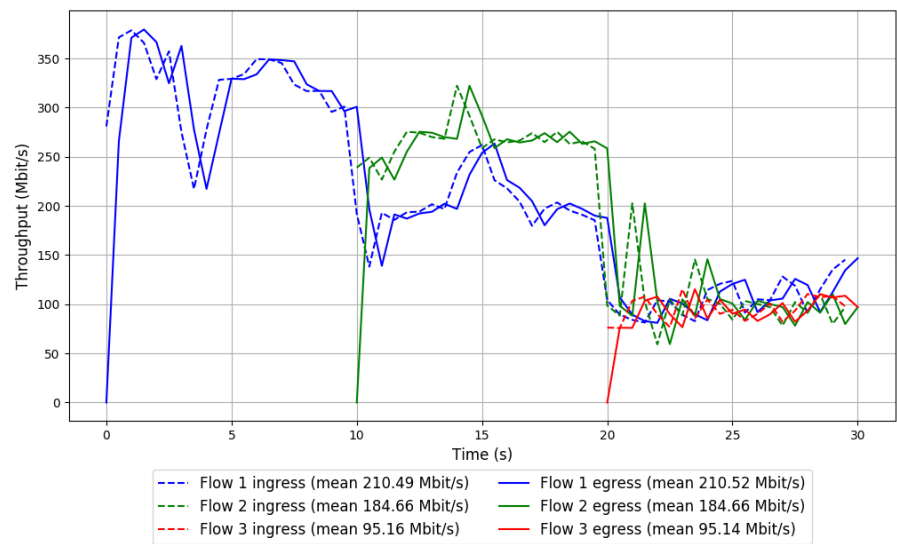


Run 3: Statistics of Copa

Start at: 2019-10-03 12:36:36
End at: 2019-10-03 12:37:06
Local clock offset: 3.668 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-10-03 14:15:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.12 Mbit/s
95th percentile per-packet one-way delay: 19.103 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 210.52 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 184.66 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.04%

Run 3: Report of Copa — Data Link

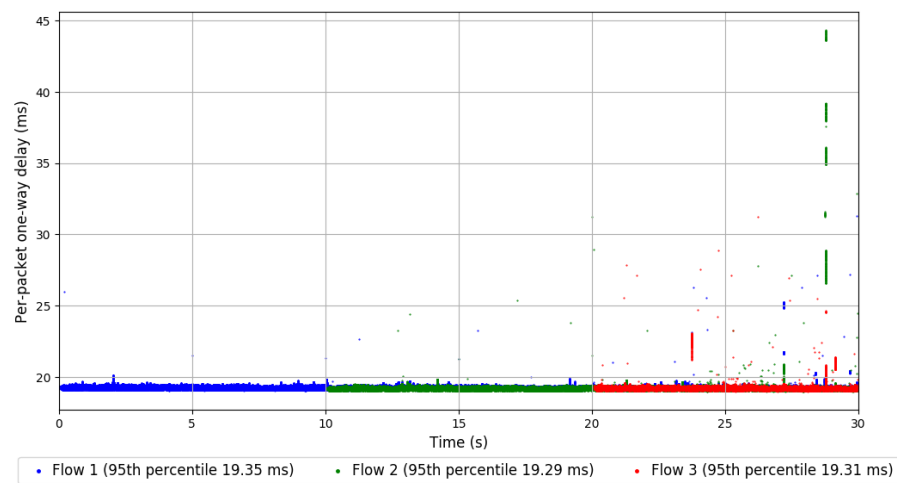
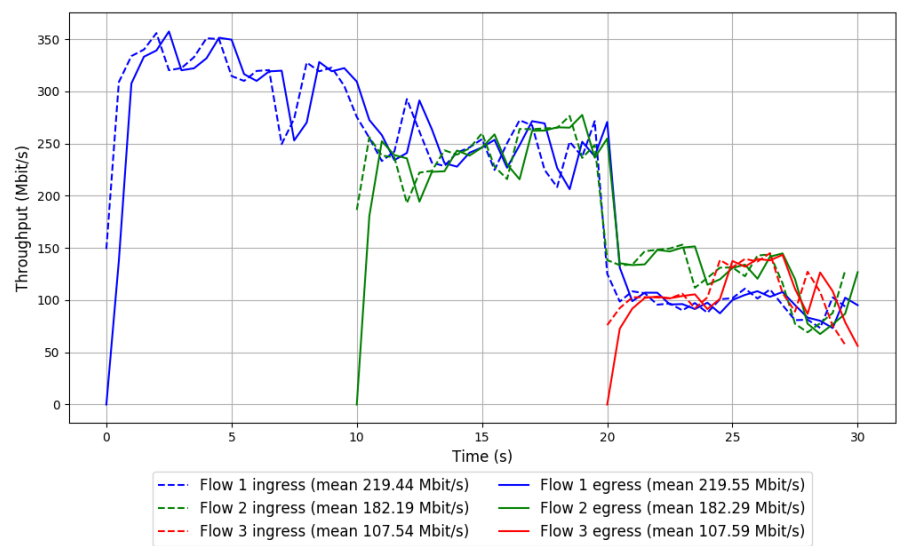


Run 4: Statistics of Copa

Start at: 2019-10-03 13:12:02
End at: 2019-10-03 13:12:32
Local clock offset: 4.247 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2019-10-03 14:20:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.40 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 219.55 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.29 Mbit/s
95th percentile per-packet one-way delay: 19.291 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 107.59 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.11%

Run 4: Report of Copa — Data Link

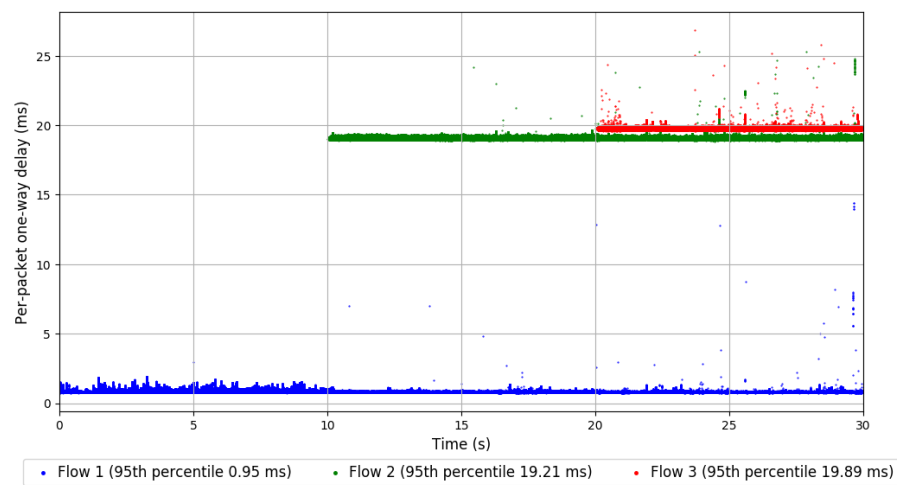
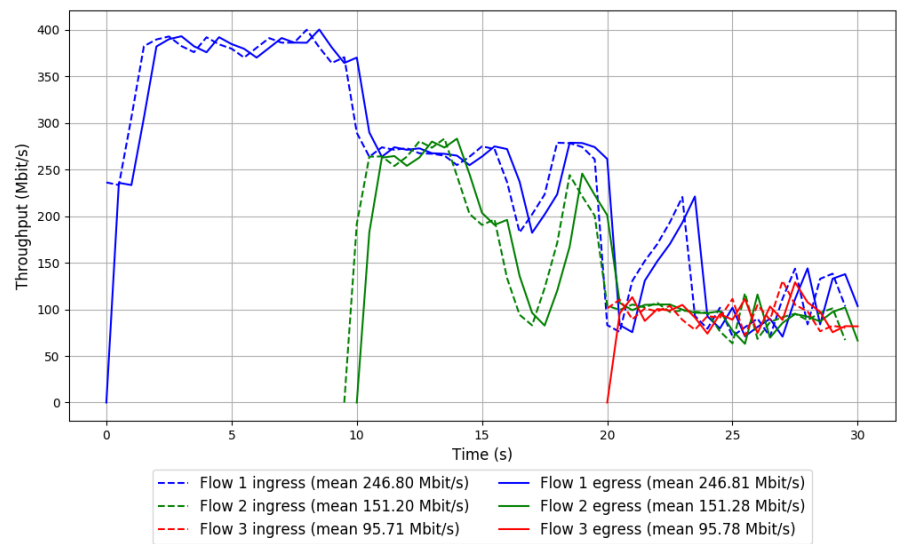


Run 5: Statistics of Copa

Start at: 2019-10-03 13:47:22
End at: 2019-10-03 13:47:52
Local clock offset: 4.459 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-10-03 14:20:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.25 Mbit/s
95th percentile per-packet one-way delay: 19.748 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 246.81 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.28 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 19.893 ms
Loss rate: 0.15%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-10-03 11:27:35

End at: 2019-10-03 11:28:05

Local clock offset: 4.068 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2019-10-03 14:23:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 890.18 Mbit/s

95th percentile per-packet one-way delay: 23.989 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 539.05 Mbit/s

95th percentile per-packet one-way delay: 8.165 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 380.78 Mbit/s

95th percentile per-packet one-way delay: 25.212 ms

Loss rate: 0.11%

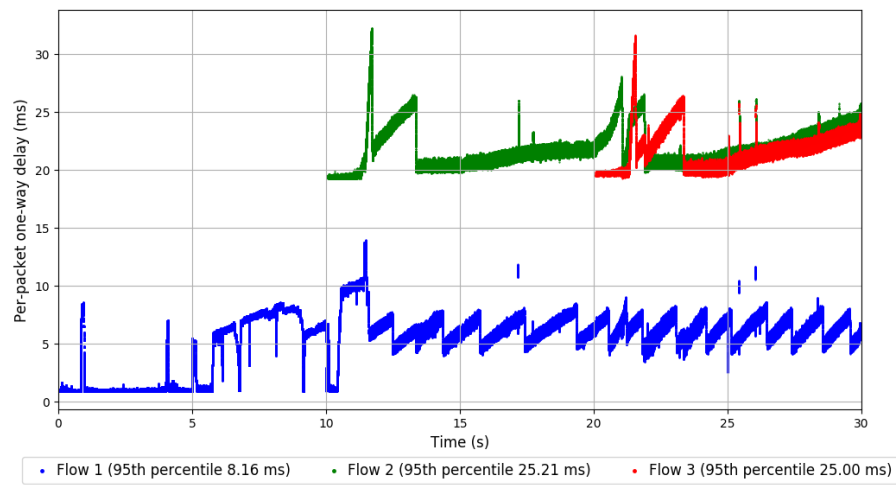
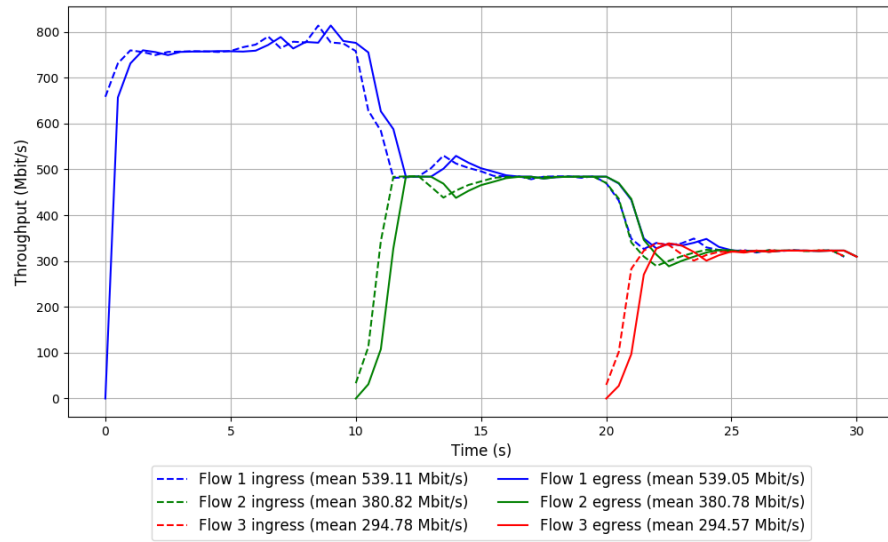
-- Flow 3:

Average throughput: 294.57 Mbit/s

95th percentile per-packet one-way delay: 24.996 ms

Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-10-03 12:03:01

End at: 2019-10-03 12:03:31

Local clock offset: 3.845 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2019-10-03 14:24:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 887.01 Mbit/s

95th percentile per-packet one-way delay: 23.661 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 533.64 Mbit/s

95th percentile per-packet one-way delay: 8.294 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 383.67 Mbit/s

95th percentile per-packet one-way delay: 24.286 ms

Loss rate: 0.11%

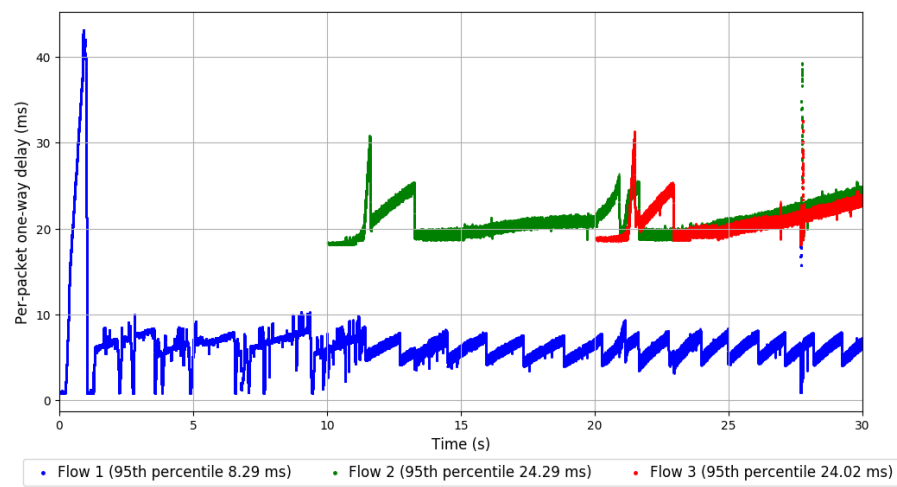
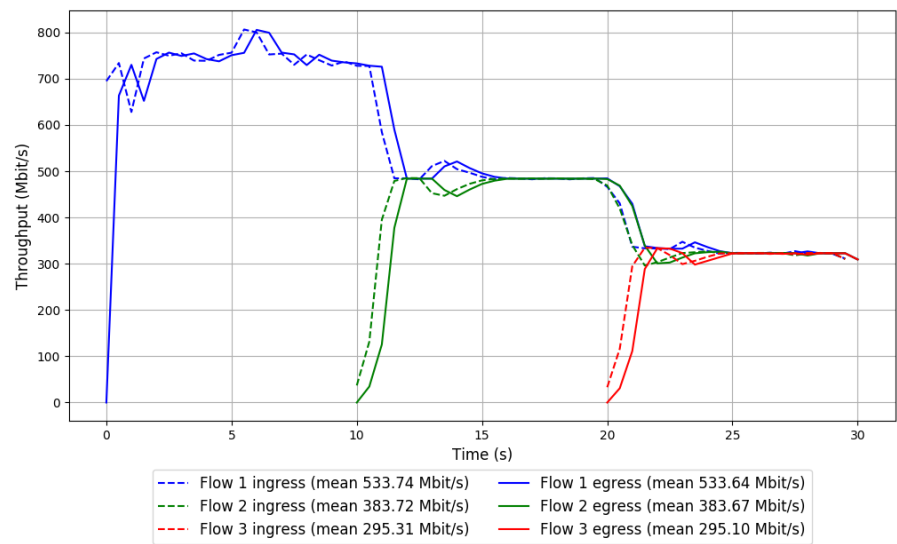
-- Flow 3:

Average throughput: 295.10 Mbit/s

95th percentile per-packet one-way delay: 24.019 ms

Loss rate: 0.27%

Run 2: Report of TCP Cubic — Data Link

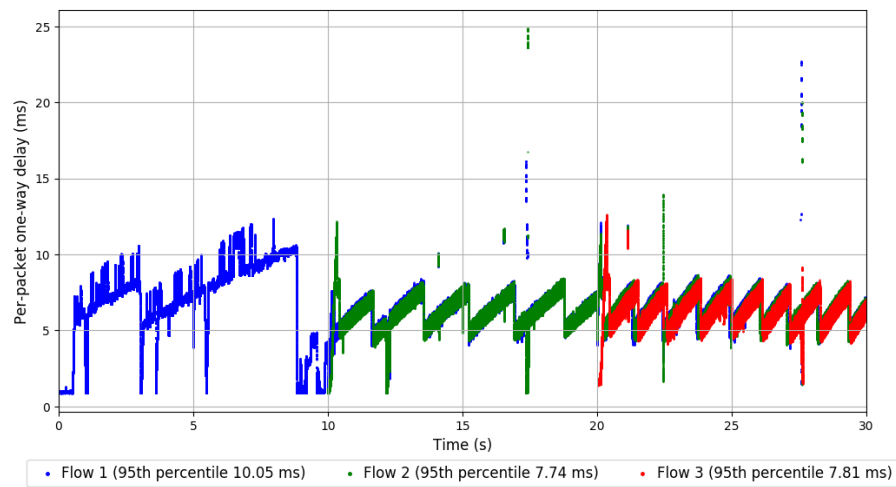
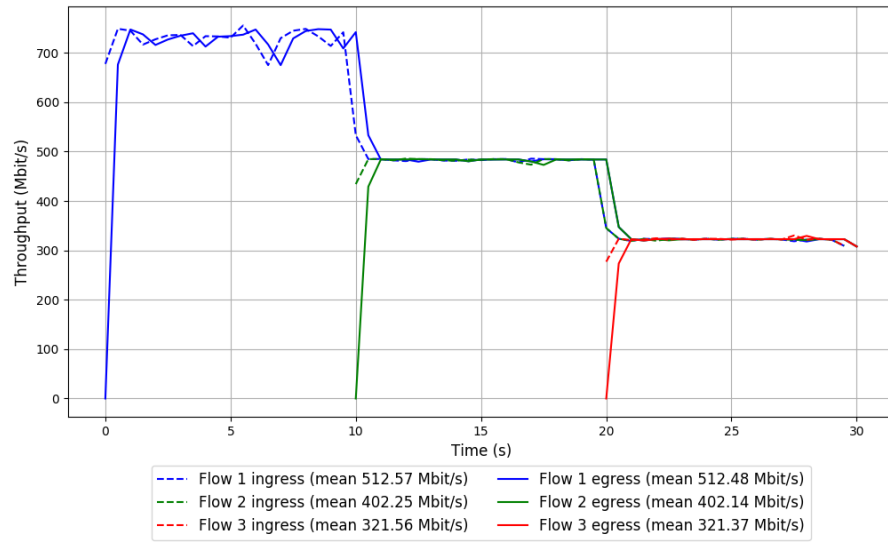


Run 3: Statistics of TCP Cubic

Start at: 2019-10-03 12:38:14
End at: 2019-10-03 12:38:44
Local clock offset: 3.674 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-10-03 14:24:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 887.05 Mbit/s
95th percentile per-packet one-way delay: 9.528 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 512.48 Mbit/s
95th percentile per-packet one-way delay: 10.051 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 402.14 Mbit/s
95th percentile per-packet one-way delay: 7.736 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.37 Mbit/s
95th percentile per-packet one-way delay: 7.808 ms
Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link

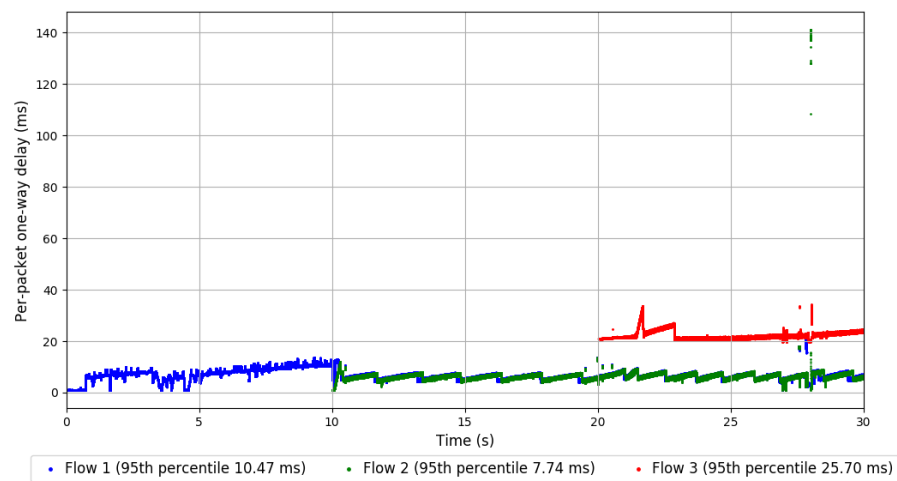
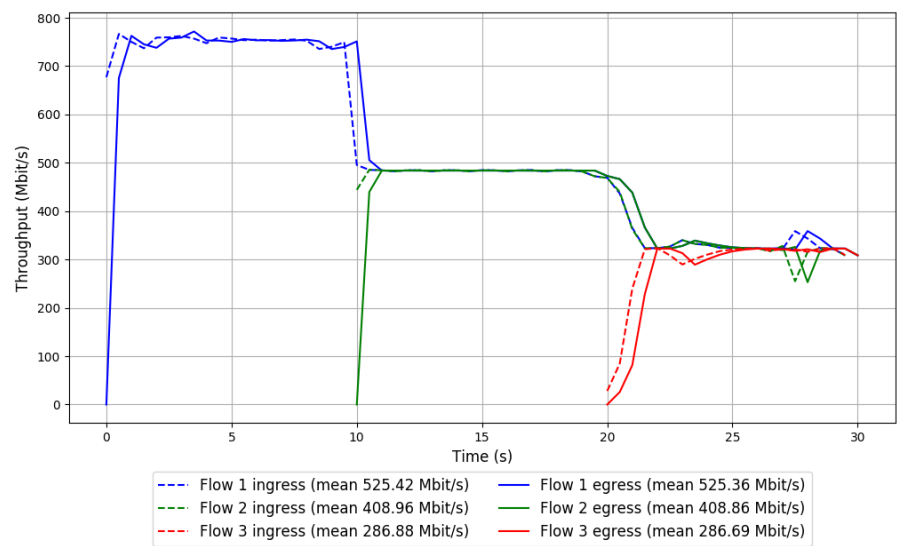


Run 4: Statistics of TCP Cubic

Start at: 2019-10-03 13:13:41
End at: 2019-10-03 13:14:11
Local clock offset: 4.304 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-10-03 14:24:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.99 Mbit/s
95th percentile per-packet one-way delay: 22.012 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 525.36 Mbit/s
95th percentile per-packet one-way delay: 10.471 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 408.86 Mbit/s
95th percentile per-packet one-way delay: 7.742 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 286.69 Mbit/s
95th percentile per-packet one-way delay: 25.698 ms
Loss rate: 0.28%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-10-03 13:49:02

End at: 2019-10-03 13:49:32

Local clock offset: 4.488 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-10-03 14:24:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 857.04 Mbit/s

95th percentile per-packet one-way delay: 23.921 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 478.76 Mbit/s

95th percentile per-packet one-way delay: 24.494 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 406.18 Mbit/s

95th percentile per-packet one-way delay: 7.611 ms

Loss rate: 0.03%

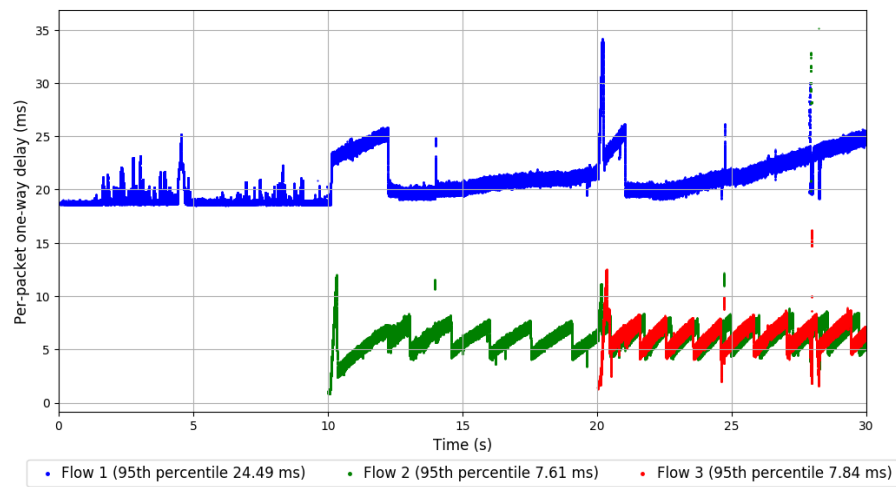
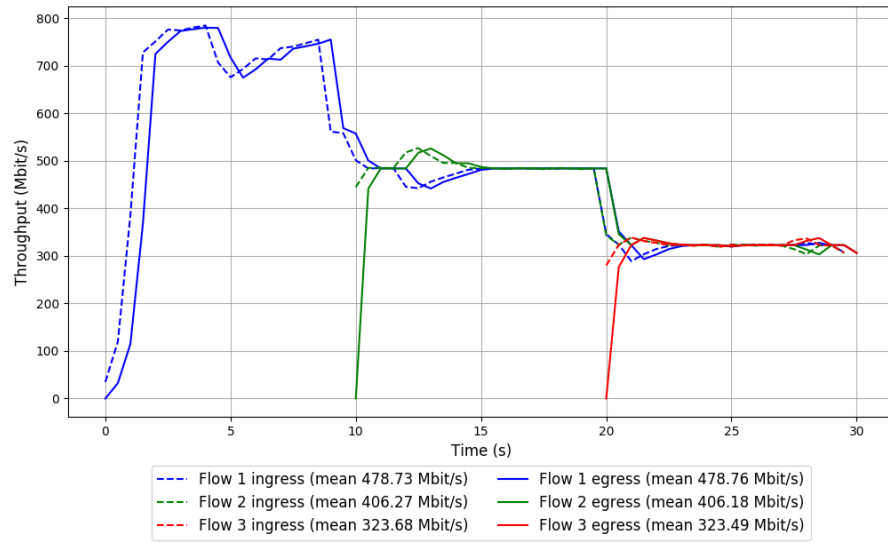
-- Flow 3:

Average throughput: 323.49 Mbit/s

95th percentile per-packet one-way delay: 7.845 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-10-03 11:22:56

End at: 2019-10-03 11:23:26

Local clock offset: 4.157 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2019-10-03 14:26:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 894.89 Mbit/s

95th percentile per-packet one-way delay: 37.248 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 547.63 Mbit/s

95th percentile per-packet one-way delay: 34.050 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 385.69 Mbit/s

95th percentile per-packet one-way delay: 34.600 ms

Loss rate: 0.10%

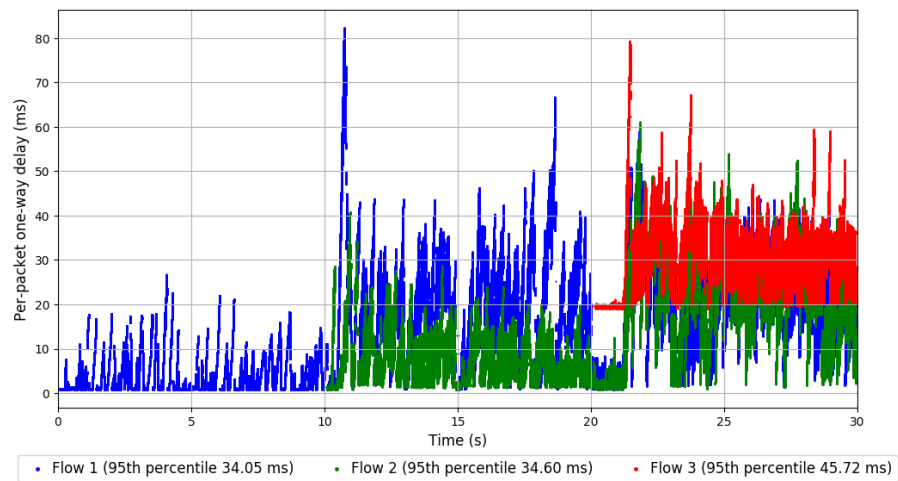
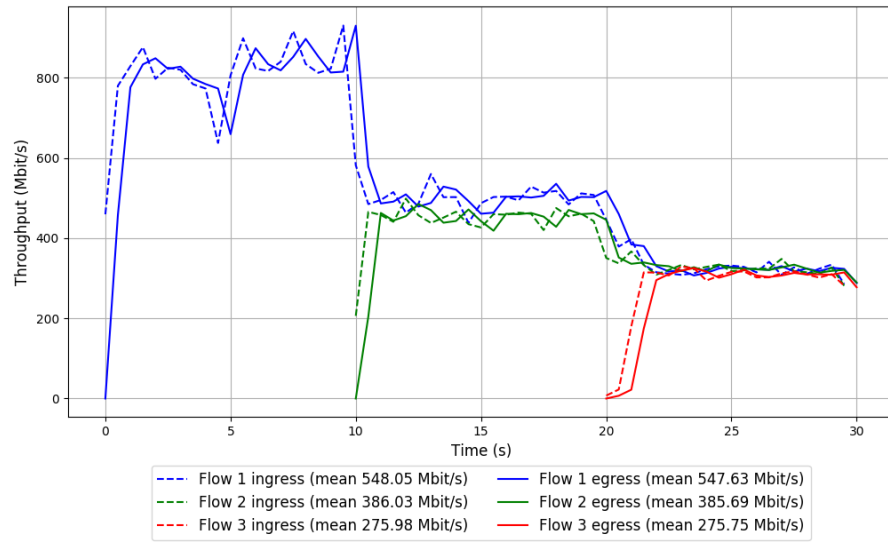
-- Flow 3:

Average throughput: 275.75 Mbit/s

95th percentile per-packet one-way delay: 45.724 ms

Loss rate: 0.30%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-10-03 11:58:21

End at: 2019-10-03 11:58:51

Local clock offset: 3.88 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2019-10-03 14:33:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 930.43 Mbit/s

95th percentile per-packet one-way delay: 42.863 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 586.10 Mbit/s

95th percentile per-packet one-way delay: 33.120 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 372.13 Mbit/s

95th percentile per-packet one-way delay: 49.208 ms

Loss rate: 0.17%

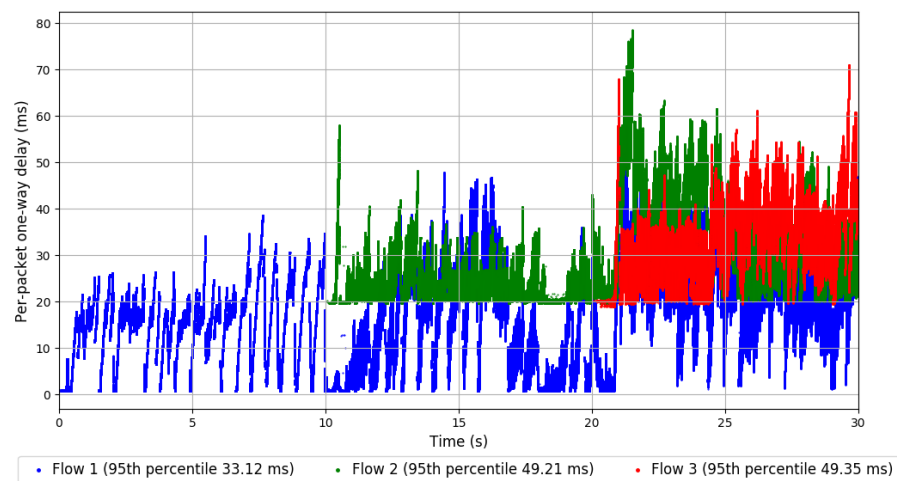
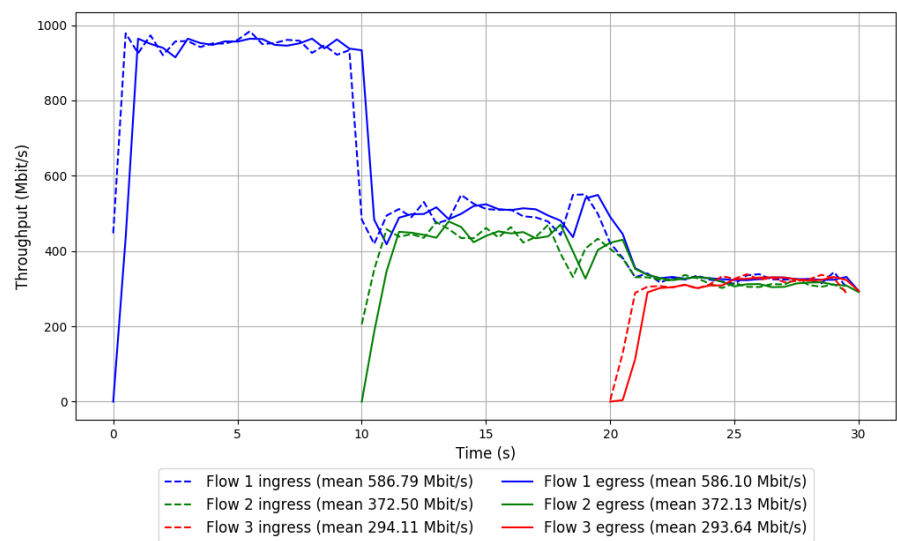
-- Flow 3:

Average throughput: 293.64 Mbit/s

95th percentile per-packet one-way delay: 49.350 ms

Loss rate: 0.43%

Run 2: Report of FillP — Data Link

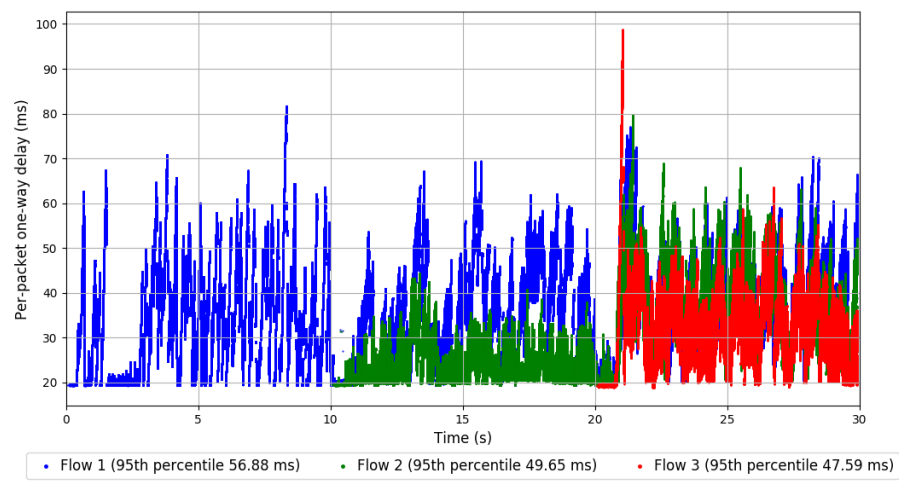
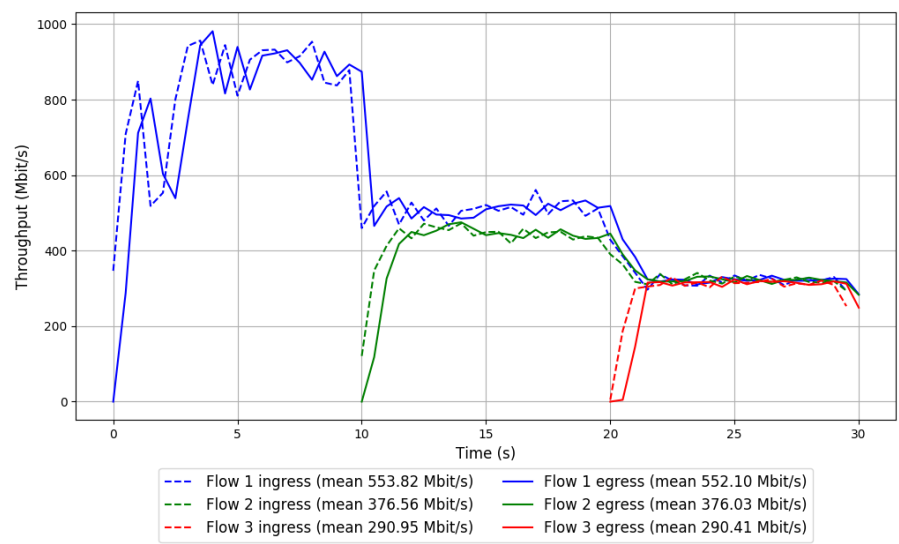


Run 3: Statistics of FillP

Start at: 2019-10-03 12:33:37
End at: 2019-10-03 12:34:07
Local clock offset: 3.709 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-10-03 14:33:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 898.44 Mbit/s
95th percentile per-packet one-way delay: 54.864 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 552.10 Mbit/s
95th percentile per-packet one-way delay: 56.885 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 376.03 Mbit/s
95th percentile per-packet one-way delay: 49.645 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 290.41 Mbit/s
95th percentile per-packet one-way delay: 47.588 ms
Loss rate: 0.41%

Run 3: Report of FillP — Data Link

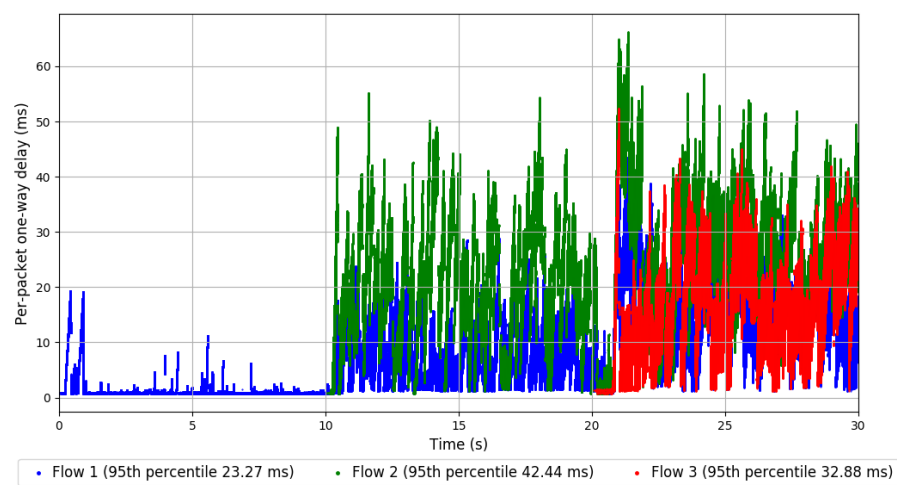
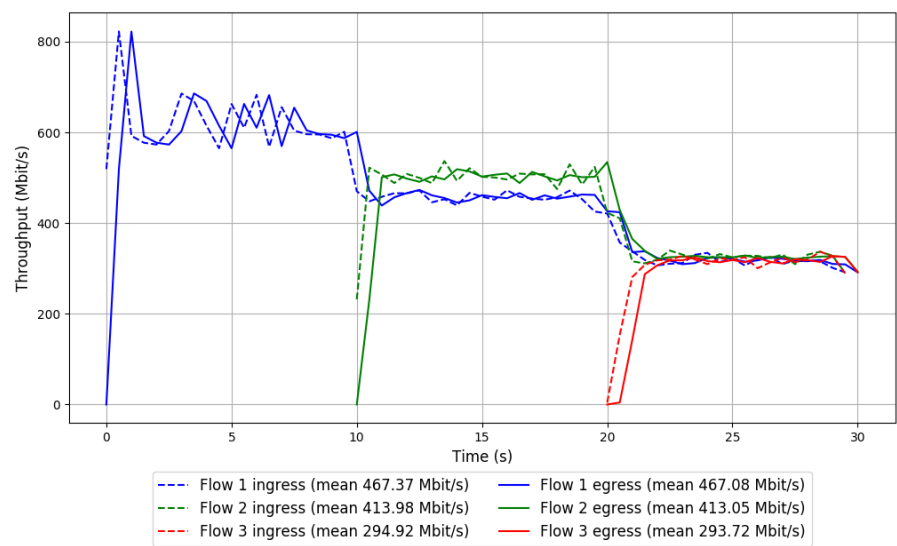


Run 4: Statistics of FillP

Start at: 2019-10-03 13:09:03
End at: 2019-10-03 13:09:33
Local clock offset: 4.18 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-10-03 14:33:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.49 Mbit/s
95th percentile per-packet one-way delay: 35.492 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 467.08 Mbit/s
95th percentile per-packet one-way delay: 23.275 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 413.05 Mbit/s
95th percentile per-packet one-way delay: 42.441 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 293.72 Mbit/s
95th percentile per-packet one-way delay: 32.883 ms
Loss rate: 0.36%

Run 4: Report of FillP — Data Link

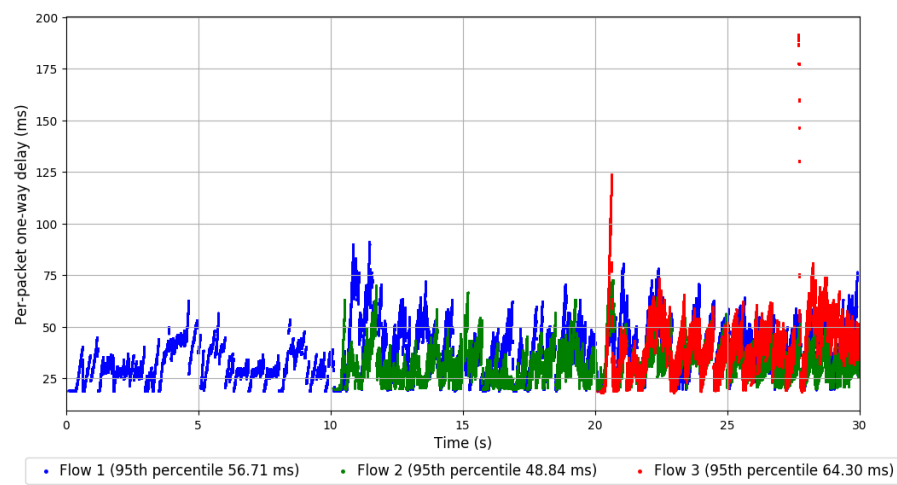
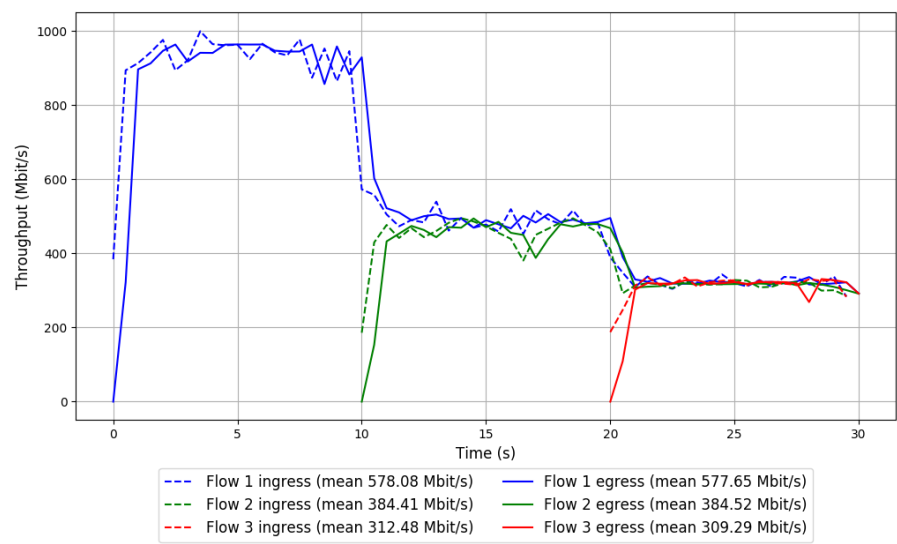


Run 5: Statistics of FillP

Start at: 2019-10-03 13:44:18
End at: 2019-10-03 13:44:48
Local clock offset: 4.465 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-10-03 14:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.51 Mbit/s
95th percentile per-packet one-way delay: 56.315 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 577.65 Mbit/s
95th percentile per-packet one-way delay: 56.710 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 384.52 Mbit/s
95th percentile per-packet one-way delay: 48.842 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 309.29 Mbit/s
95th percentile per-packet one-way delay: 64.298 ms
Loss rate: 1.10%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-10-03 11:13:32

End at: 2019-10-03 11:14:02

Local clock offset: 4.106 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-10-03 14:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.27 Mbit/s

95th percentile per-packet one-way delay: 6.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 333.33 Mbit/s

95th percentile per-packet one-way delay: 6.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 3.385 ms

Loss rate: 0.00%

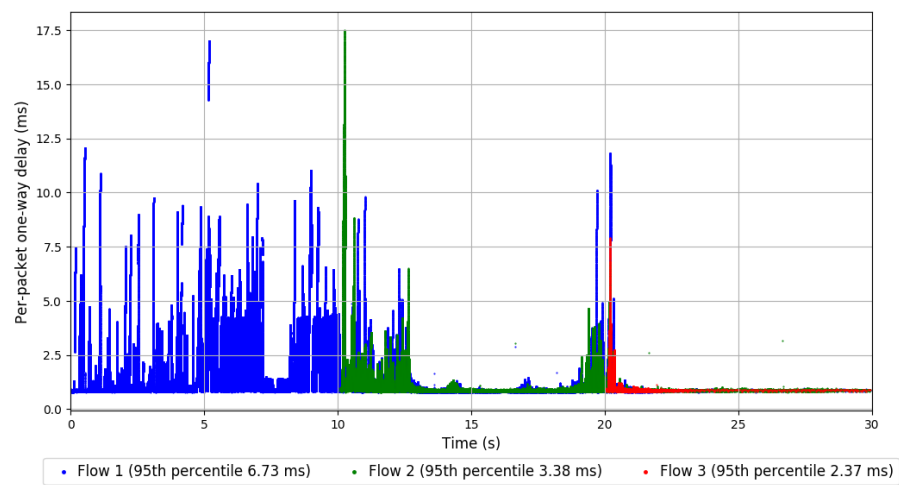
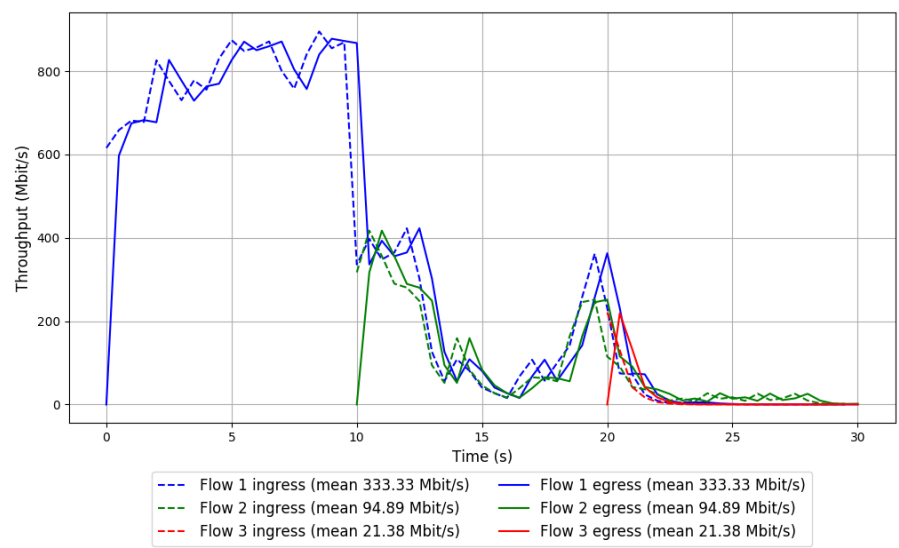
-- Flow 3:

Average throughput: 21.38 Mbit/s

95th percentile per-packet one-way delay: 2.366 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-10-03 11:48:46

End at: 2019-10-03 11:49:16

Local clock offset: 3.922 ms

Remote clock offset: 0.711 ms

Below is generated by plot.py at 2019-10-03 14:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 917.74 Mbit/s

95th percentile per-packet one-way delay: 35.943 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 557.33 Mbit/s

95th percentile per-packet one-way delay: 35.719 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 386.21 Mbit/s

95th percentile per-packet one-way delay: 34.936 ms

Loss rate: 0.19%

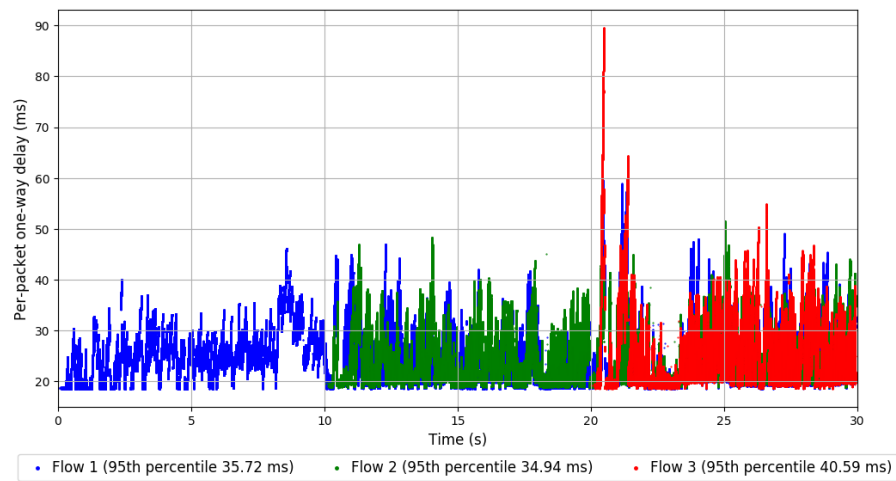
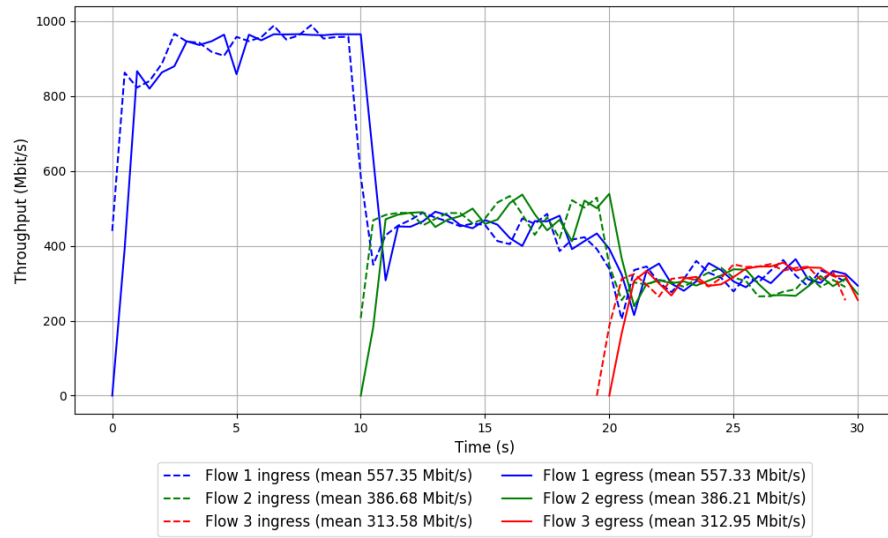
-- Flow 3:

Average throughput: 312.95 Mbit/s

95th percentile per-packet one-way delay: 40.589 ms

Loss rate: 0.36%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-10-03 12:24:06

End at: 2019-10-03 12:24:36

Local clock offset: 3.735 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2019-10-03 14:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 800.72 Mbit/s

95th percentile per-packet one-way delay: 32.165 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 580.30 Mbit/s

95th percentile per-packet one-way delay: 33.280 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 161.79 Mbit/s

95th percentile per-packet one-way delay: 7.072 ms

Loss rate: 0.00%

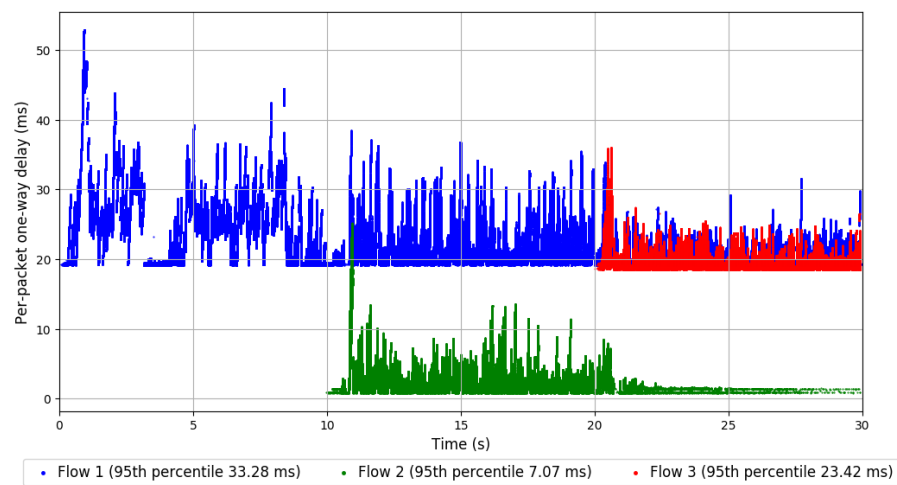
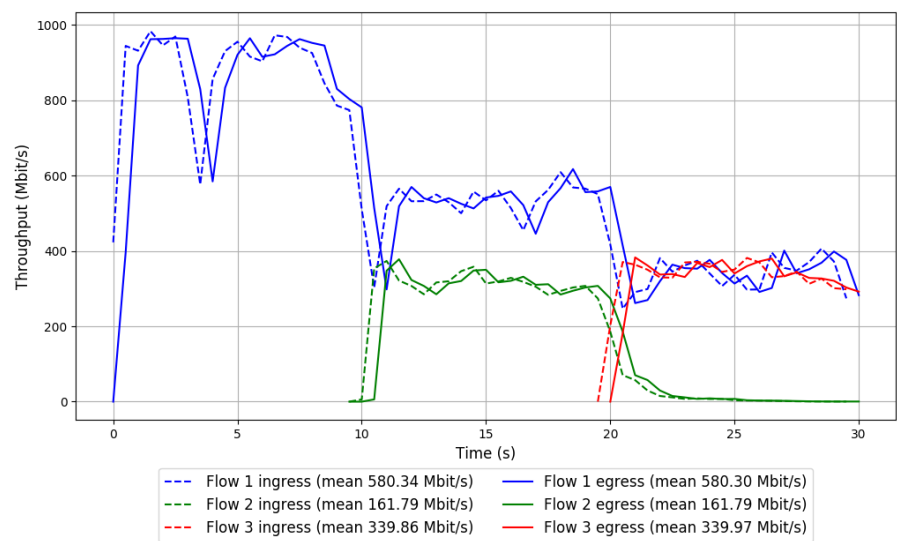
-- Flow 3:

Average throughput: 339.97 Mbit/s

95th percentile per-packet one-way delay: 23.416 ms

Loss rate: 0.20%

Run 3: Report of FillP-Sheep — Data Link

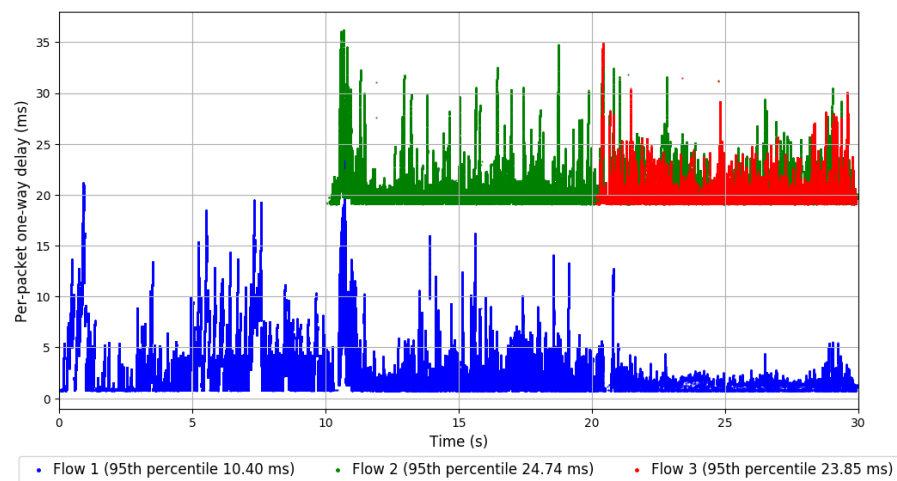
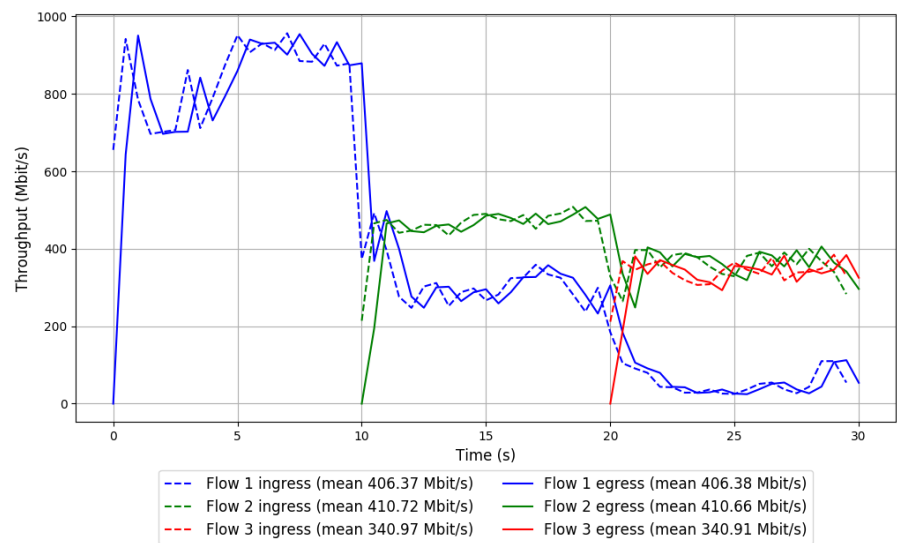


Run 4: Statistics of FillP-Sheep

Start at: 2019-10-03 12:59:27
End at: 2019-10-03 12:59:57
Local clock offset: 3.953 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-10-03 14:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 791.75 Mbit/s
95th percentile per-packet one-way delay: 22.870 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 406.38 Mbit/s
95th percentile per-packet one-way delay: 10.402 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 410.66 Mbit/s
95th percentile per-packet one-way delay: 24.742 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 340.91 Mbit/s
95th percentile per-packet one-way delay: 23.847 ms
Loss rate: 0.28%

Run 4: Report of FillP-Sheep — Data Link

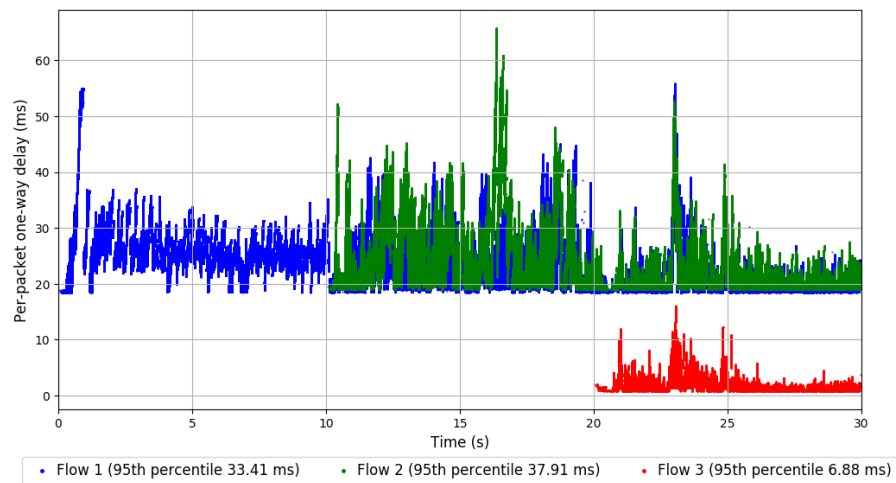
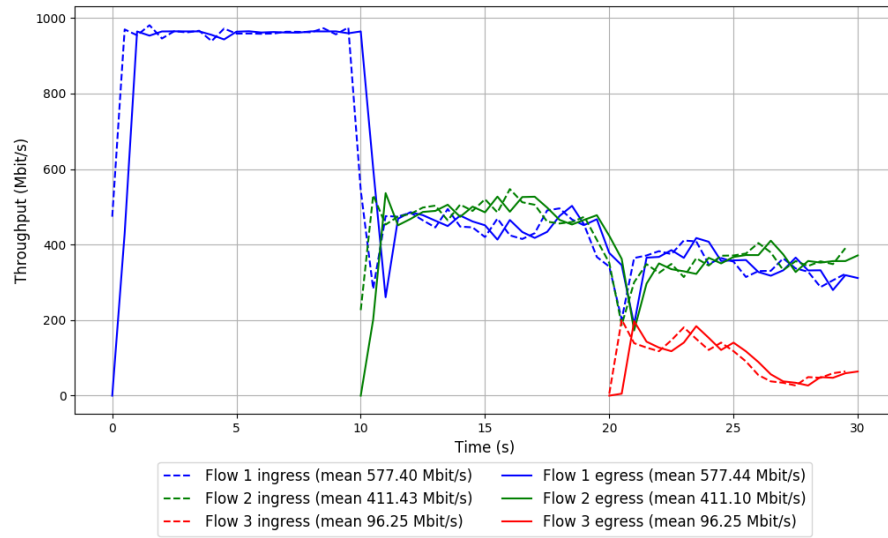


Run 5: Statistics of FillP-Sheep

Start at: 2019-10-03 13:34:48
End at: 2019-10-03 13:35:18
Local clock offset: 4.409 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.31 Mbit/s
95th percentile per-packet one-way delay: 34.536 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 577.44 Mbit/s
95th percentile per-packet one-way delay: 33.410 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 411.10 Mbit/s
95th percentile per-packet one-way delay: 37.910 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 6.880 ms
Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link

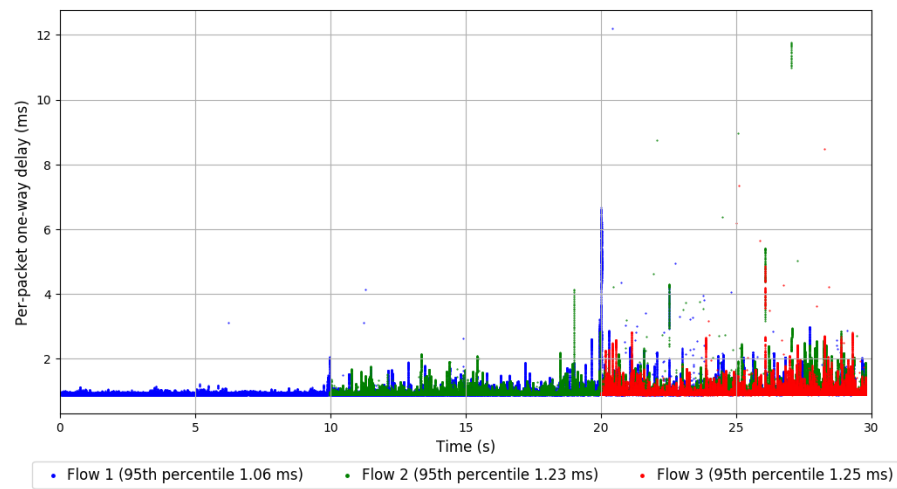
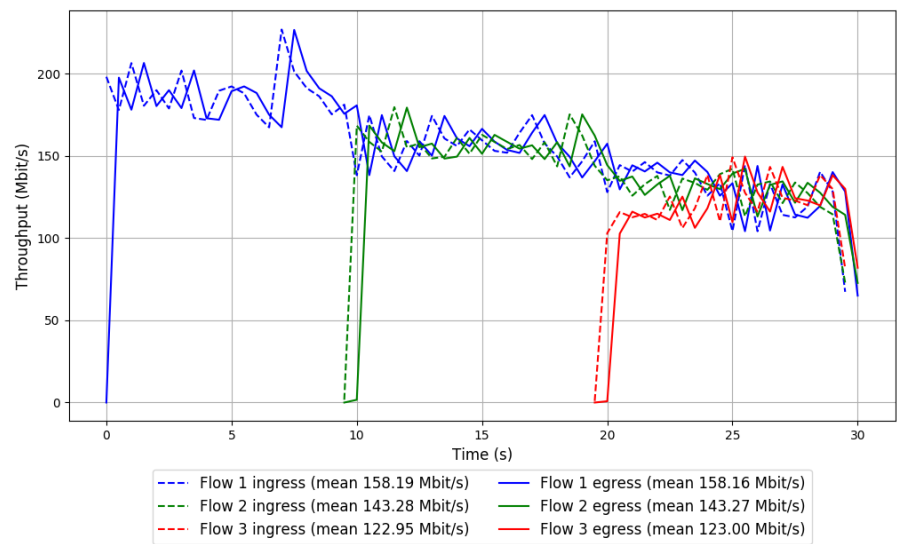


```
Run 1: Statistics of Indigo

Start at: 2019-10-03 11:17:35
End at: 2019-10-03 11:18:05
Local clock offset: 4.121 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-10-03 14:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.96 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 158.16 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 123.00 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-10-03 11:53:06

End at: 2019-10-03 11:53:36

Local clock offset: 3.905 ms

Remote clock offset: 0.554 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.60 Mbit/s

95th percentile per-packet one-way delay: 19.382 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 147.89 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.45 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.01%

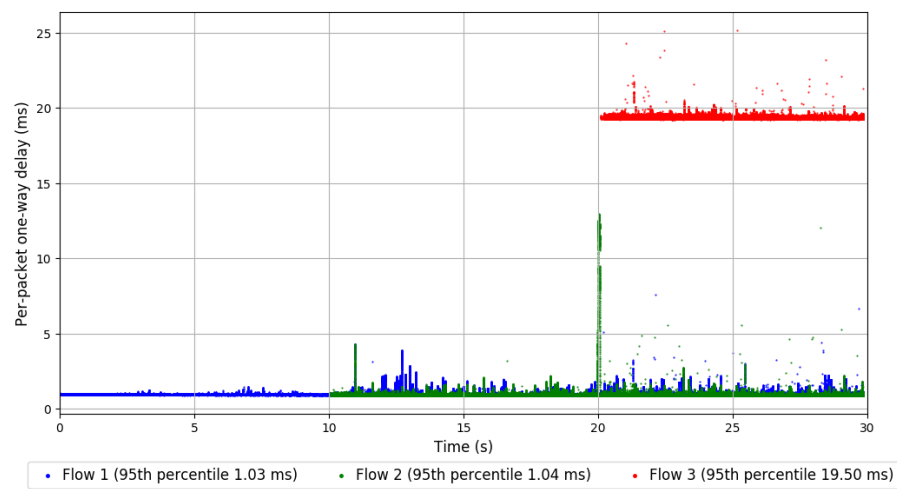
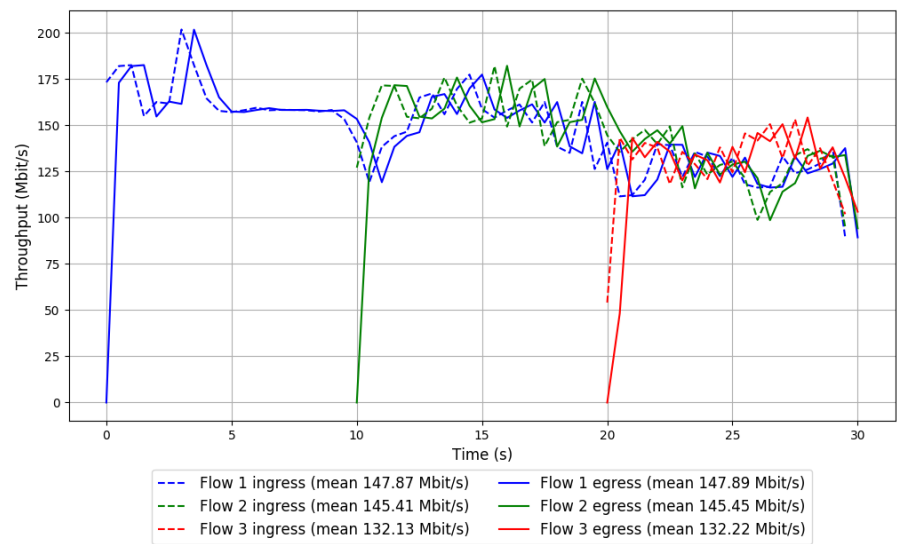
-- Flow 3:

Average throughput: 132.22 Mbit/s

95th percentile per-packet one-way delay: 19.505 ms

Loss rate: 0.14%

Run 2: Report of Indigo — Data Link

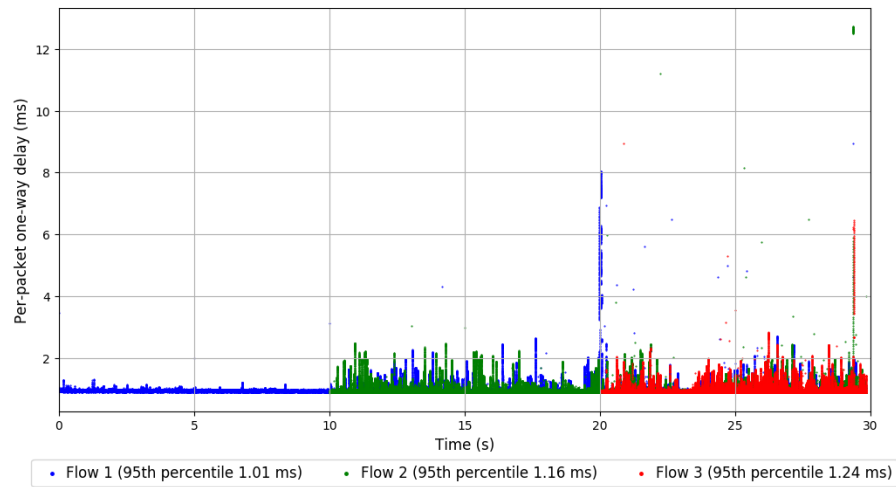
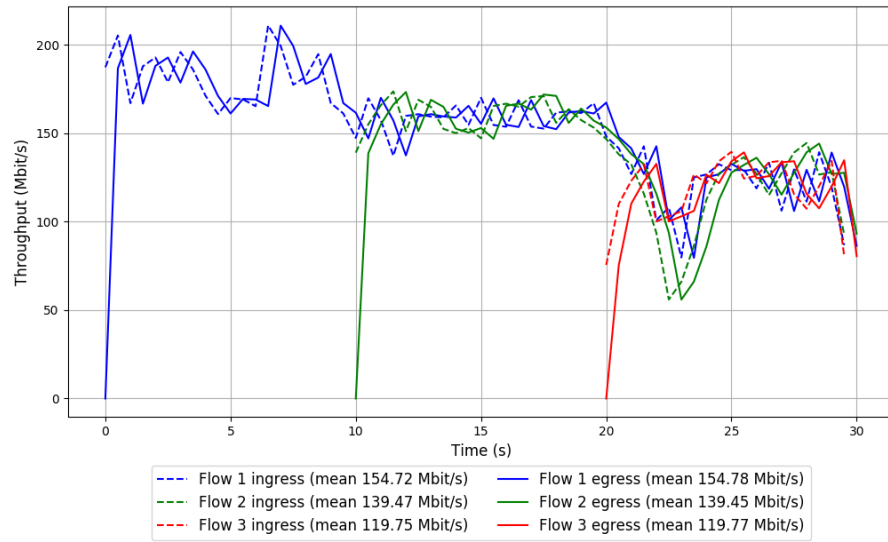


Run 3: Statistics of Indigo

Start at: 2019-10-03 12:28:16
End at: 2019-10-03 12:28:46
Local clock offset: 3.725 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.77 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.78 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 139.45 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.77 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

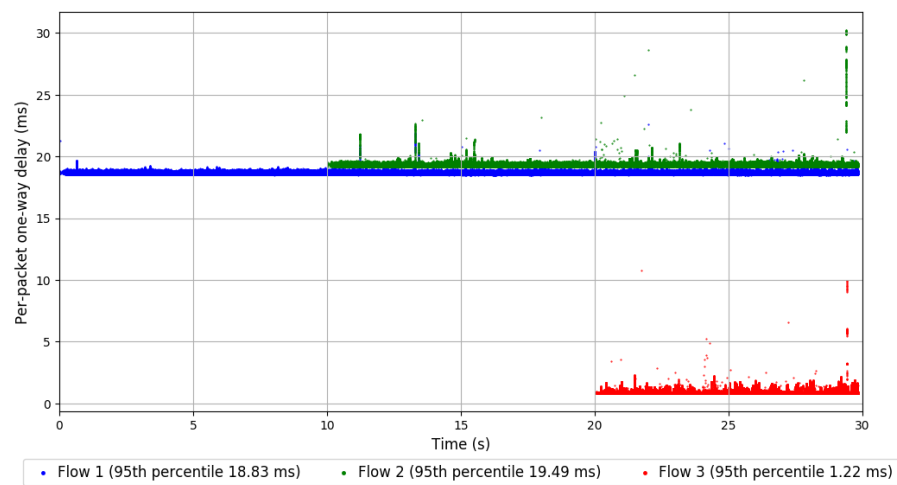
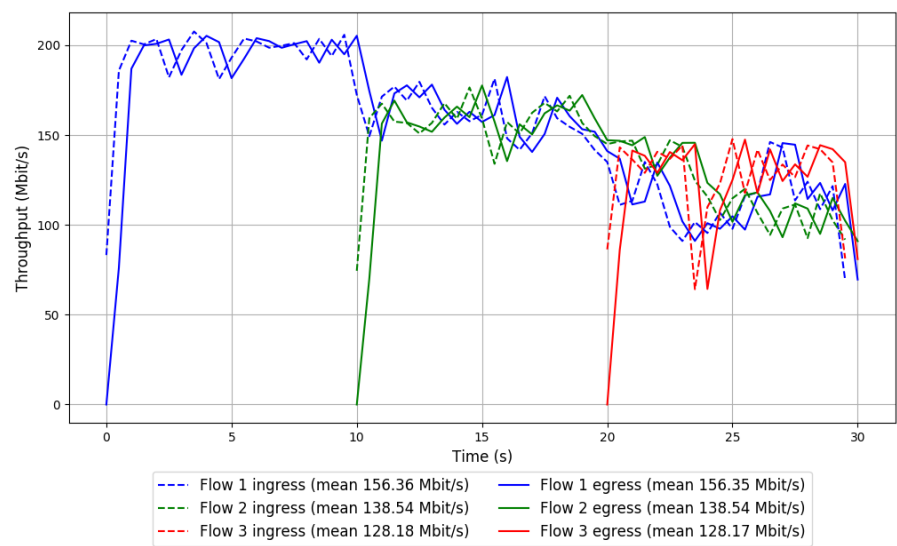


Run 4: Statistics of Indigo

Start at: 2019-10-03 13:03:45
End at: 2019-10-03 13:04:15
Local clock offset: 4.096 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.44 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 156.35 Mbit/s
95th percentile per-packet one-way delay: 18.828 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 138.54 Mbit/s
95th percentile per-packet one-way delay: 19.491 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 128.17 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-10-03 13:39:02

End at: 2019-10-03 13:39:32

Local clock offset: 4.394 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.10 Mbit/s

95th percentile per-packet one-way delay: 19.987 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 156.81 Mbit/s

95th percentile per-packet one-way delay: 20.022 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 146.22 Mbit/s

95th percentile per-packet one-way delay: 18.493 ms

Loss rate: 0.06%

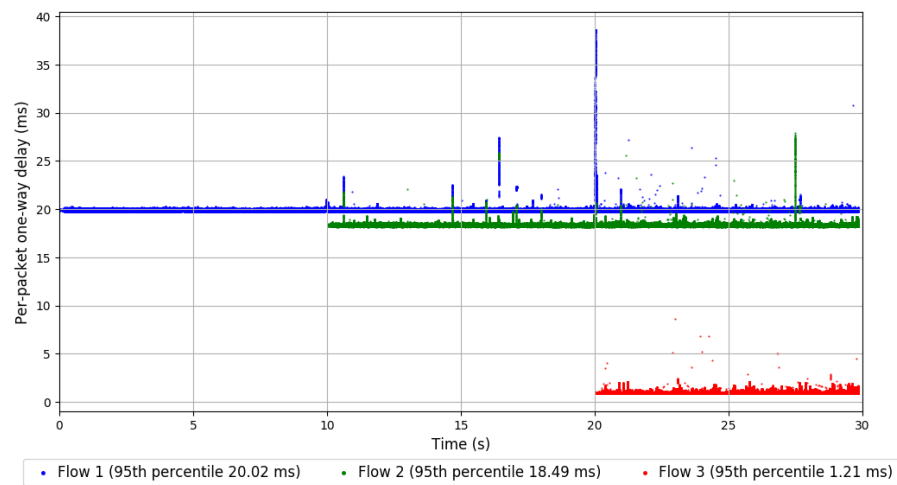
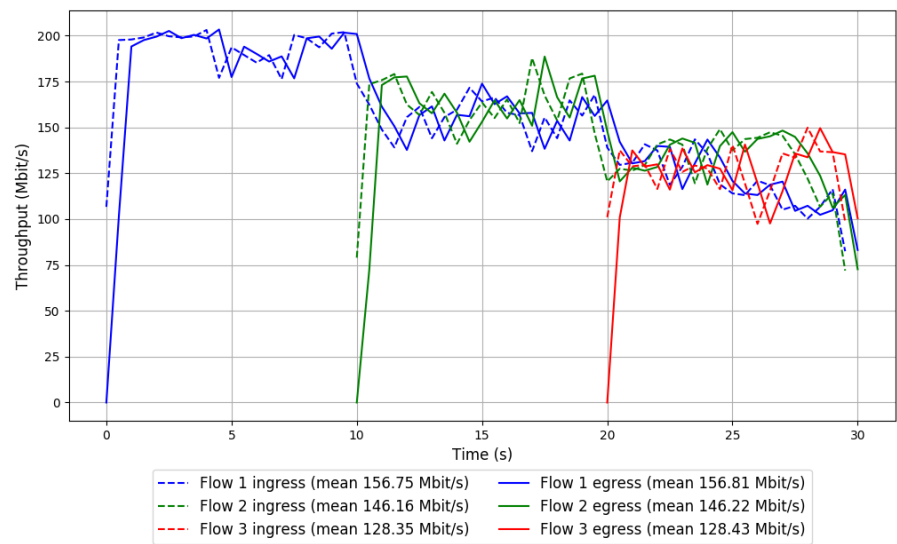
-- Flow 3:

Average throughput: 128.43 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

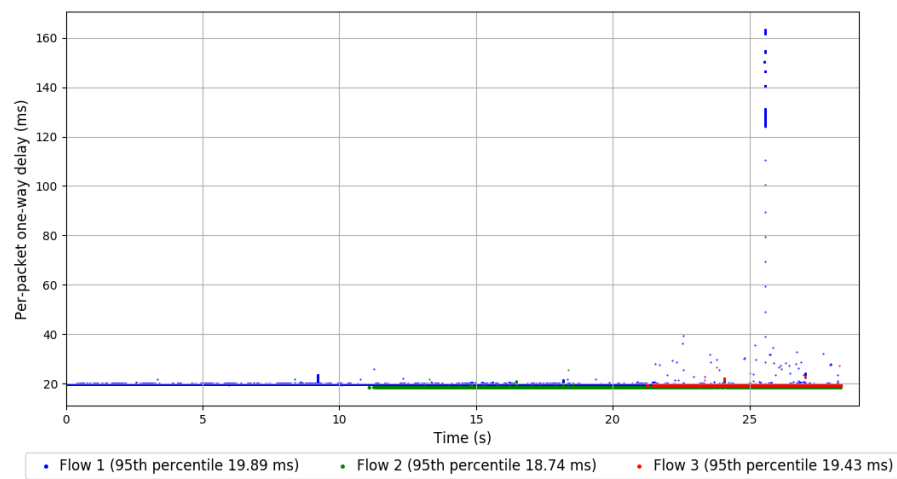
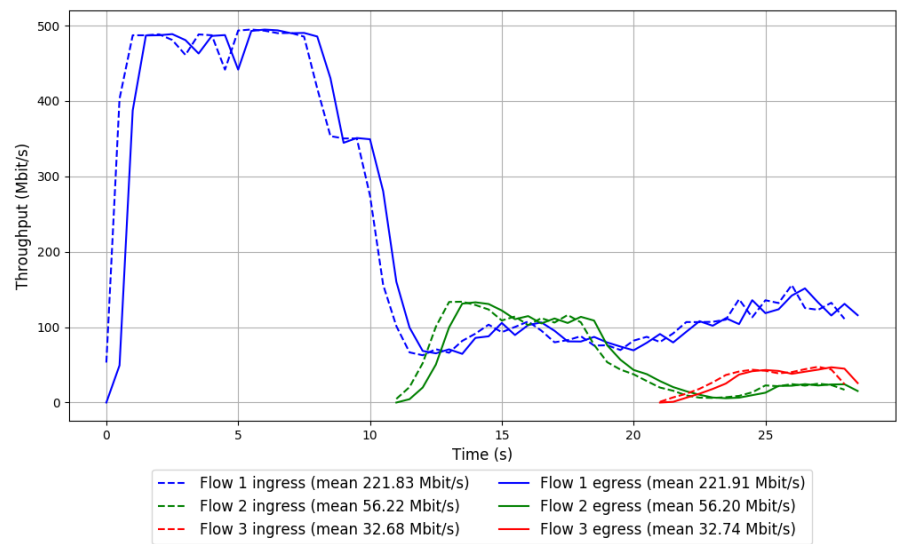


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-10-03 11:02:57
End at: 2019-10-03 11:03:27
Local clock offset: 4.119 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.42 Mbit/s
95th percentile per-packet one-way delay: 19.879 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 221.91 Mbit/s
95th percentile per-packet one-way delay: 19.887 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 18.742 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.11%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-10-03 11:37:54

End at: 2019-10-03 11:38:24

Local clock offset: 3.973 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.41 Mbit/s

95th percentile per-packet one-way delay: 18.906 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 178.48 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 19.019 ms

Loss rate: 0.15%

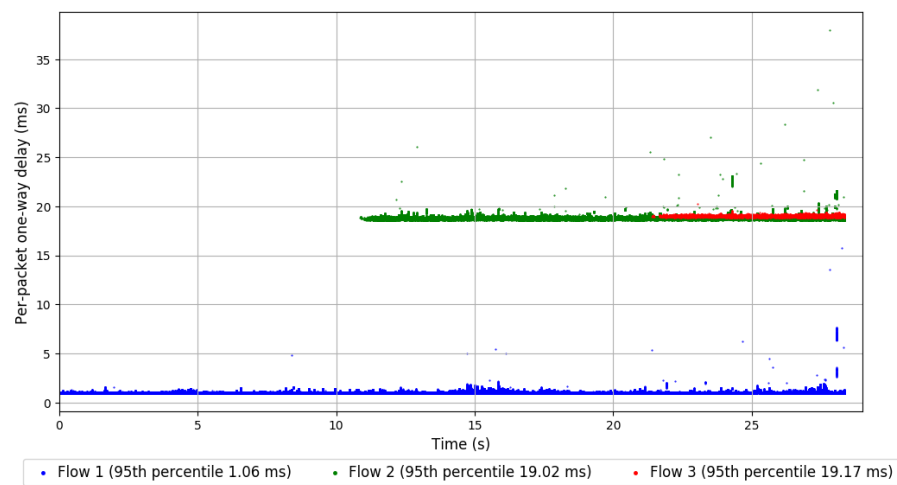
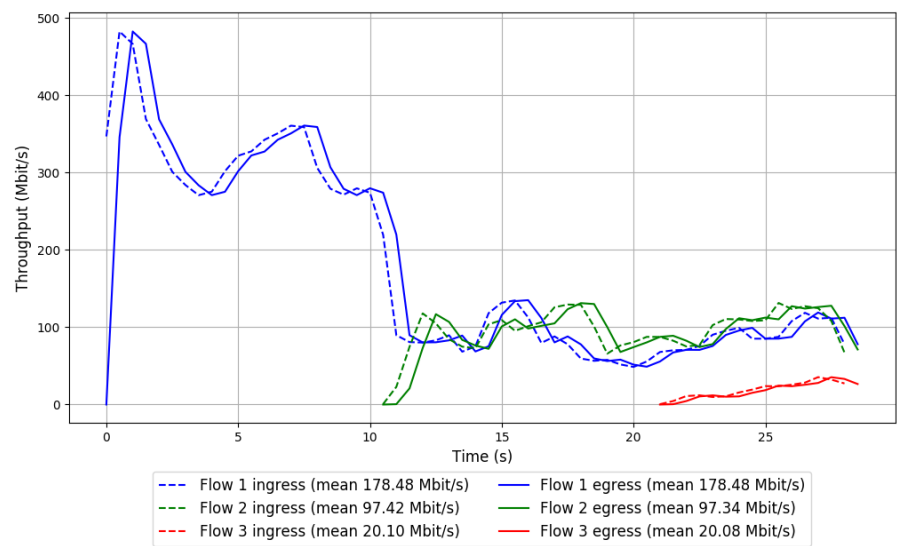
-- Flow 3:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 19.169 ms

Loss rate: 0.38%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-10-03 12:13:19

End at: 2019-10-03 12:13:49

Local clock offset: 3.793 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.91 Mbit/s

95th percentile per-packet one-way delay: 1.060 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 162.58 Mbit/s

95th percentile per-packet one-way delay: 0.946 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.02%

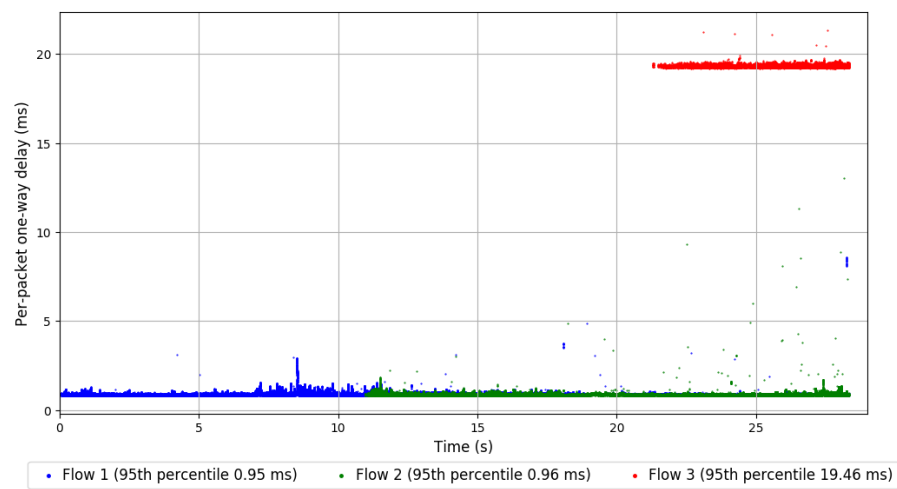
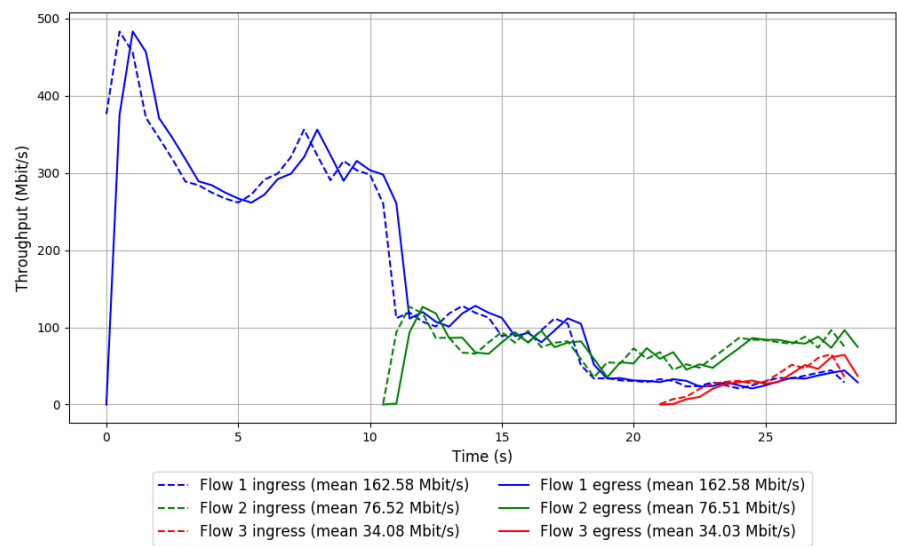
-- Flow 3:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 19.459 ms

Loss rate: 0.29%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-10-03 12:48:37

End at: 2019-10-03 12:49:07

Local clock offset: 3.706 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.79 Mbit/s

95th percentile per-packet one-way delay: 18.913 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 239.85 Mbit/s

95th percentile per-packet one-way delay: 18.930 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 75.80 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.00%

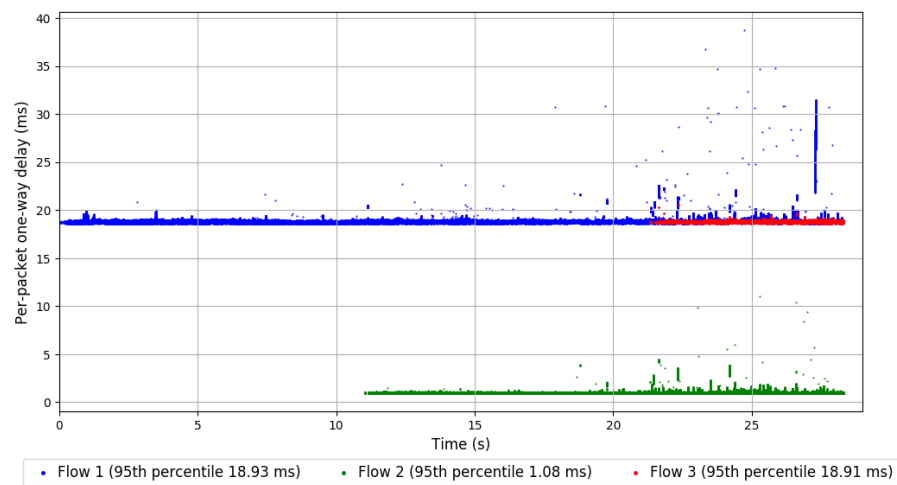
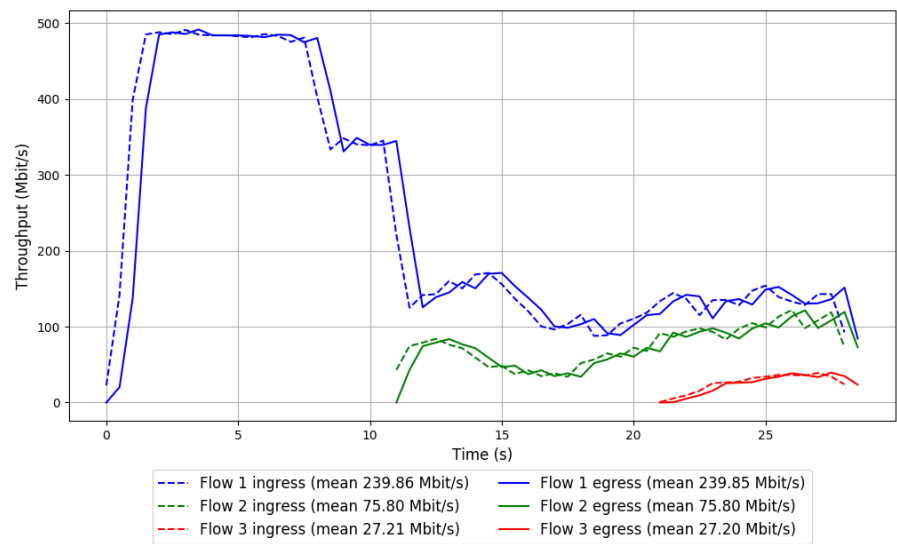
-- Flow 3:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 18.909 ms

Loss rate: 0.39%

Run 4: Report of Indigo-MusesC3 — Data Link

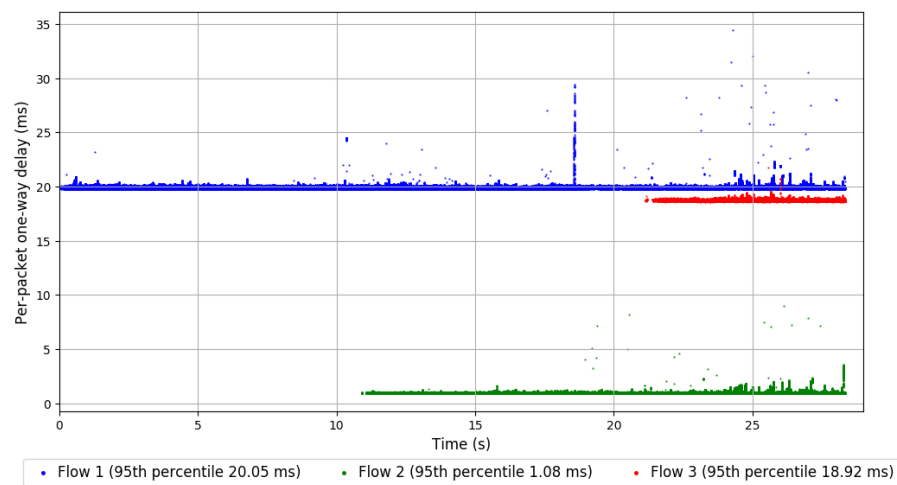
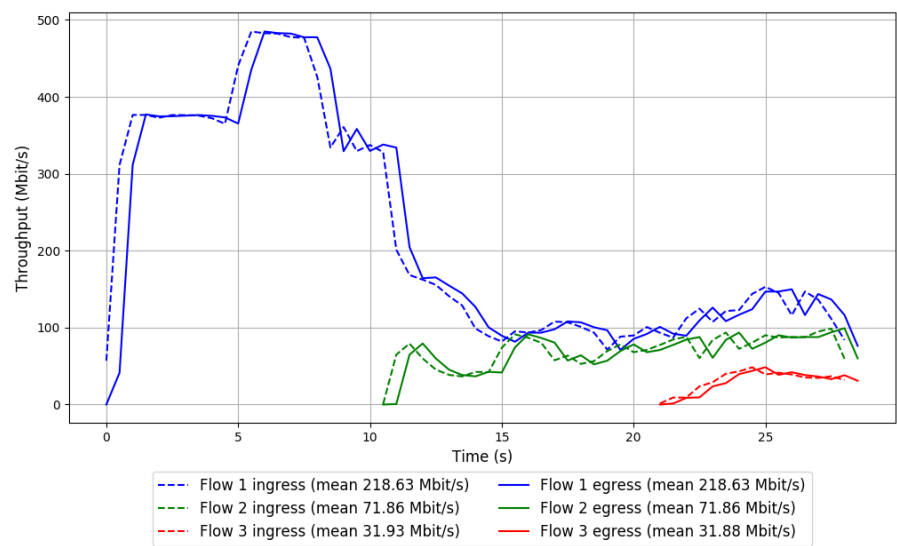


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-10-03 13:24:08
End at: 2019-10-03 13:24:38
Local clock offset: 4.372 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.98 Mbit/s
95th percentile per-packet one-way delay: 20.035 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 218.63 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 18.923 ms
Loss rate: 0.43%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-10-03 11:24:36

End at: 2019-10-03 11:25:06

Local clock offset: 4.161 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.93 Mbit/s

95th percentile per-packet one-way delay: 19.240 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 19.085 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 33.12 Mbit/s

95th percentile per-packet one-way delay: 0.996 ms

Loss rate: 0.03%

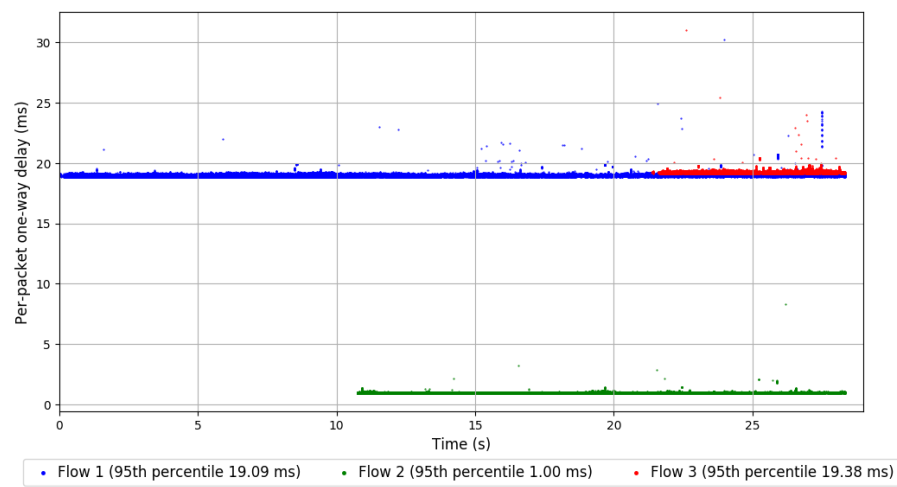
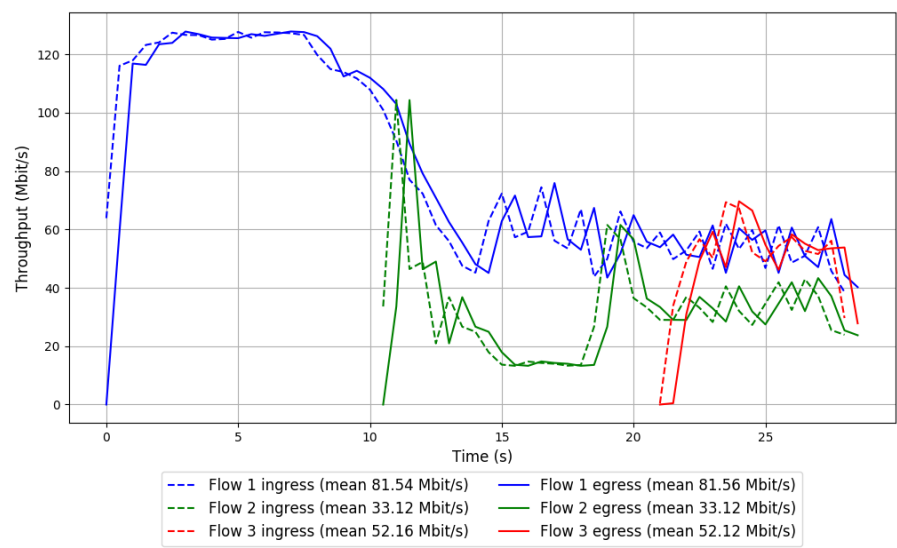
-- Flow 3:

Average throughput: 52.12 Mbit/s

95th percentile per-packet one-way delay: 19.378 ms

Loss rate: 0.57%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-10-03 12:00:02

End at: 2019-10-03 12:00:32

Local clock offset: 3.877 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2019-10-03 14:41:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.76 Mbit/s

95th percentile per-packet one-way delay: 19.511 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 152.25 Mbit/s

95th percentile per-packet one-way delay: 1.263 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 20.068 ms

Loss rate: 0.08%

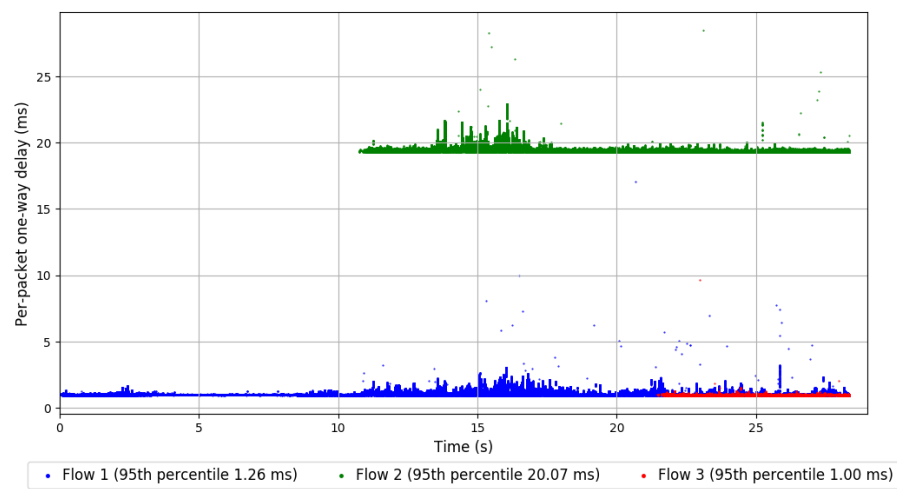
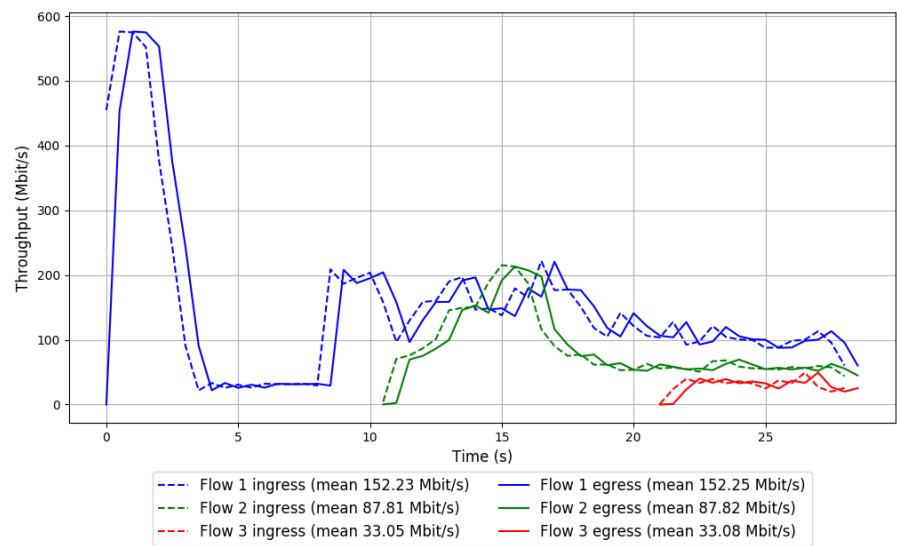
-- Flow 3:

Average throughput: 33.08 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesC5 — Data Link

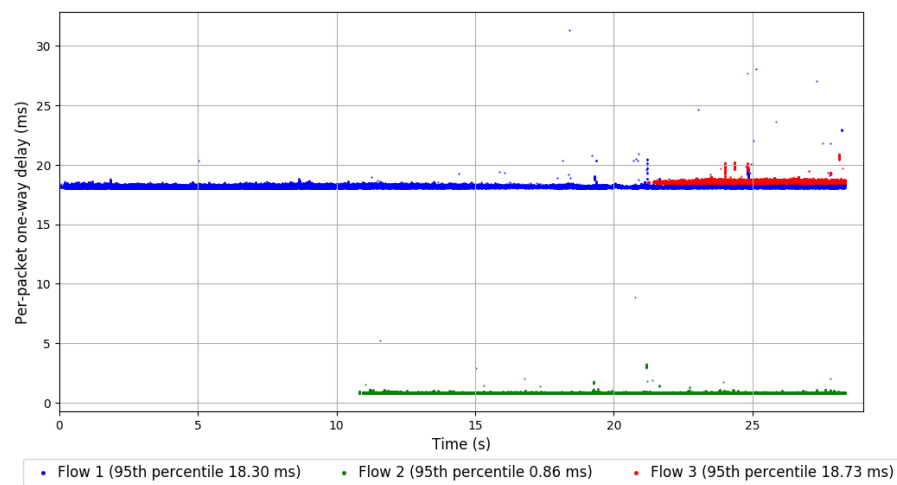
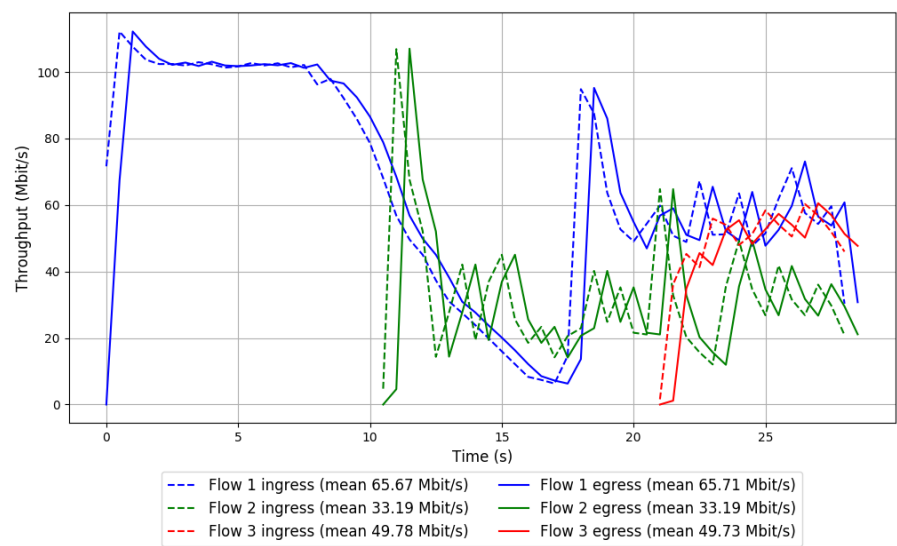


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-10-03 12:35:17
End at: 2019-10-03 12:35:47
Local clock offset: 3.676 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.76 Mbit/s
95th percentile per-packet one-way delay: 18.606 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 18.301 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 0.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 18.734 ms
Loss rate: 0.15%

Run 3: Report of Indigo-MusesC5 — Data Link

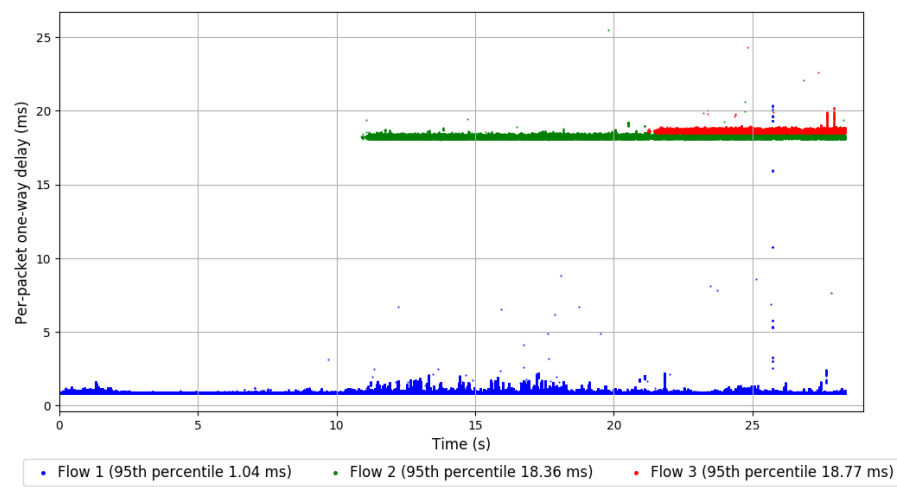
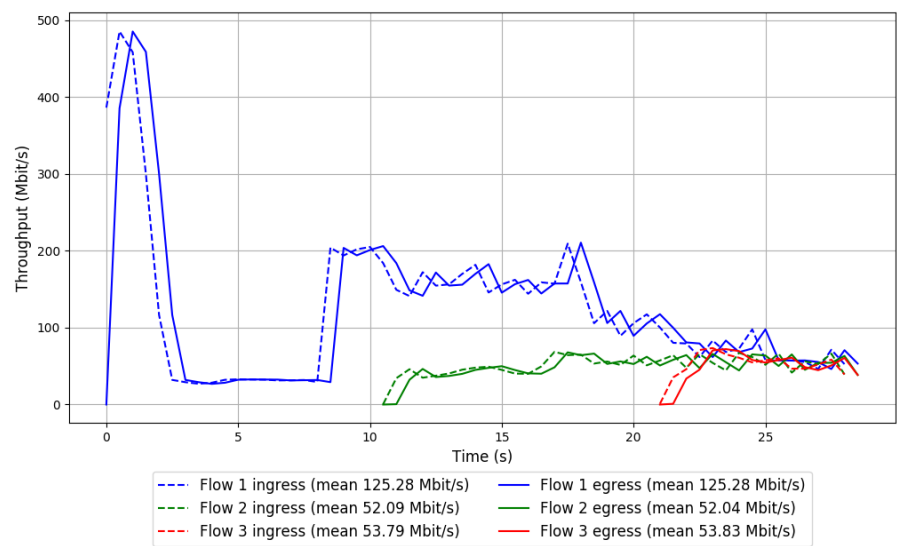


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-10-03 13:10:41
End at: 2019-10-03 13:11:11
Local clock offset: 4.243 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-10-03 14:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.83 Mbit/s
95th percentile per-packet one-way delay: 18.602 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 125.28 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.04 Mbit/s
95th percentile per-packet one-way delay: 18.365 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 18.768 ms
Loss rate: 0.23%

Run 4: Report of Indigo-MusesC5 — Data Link

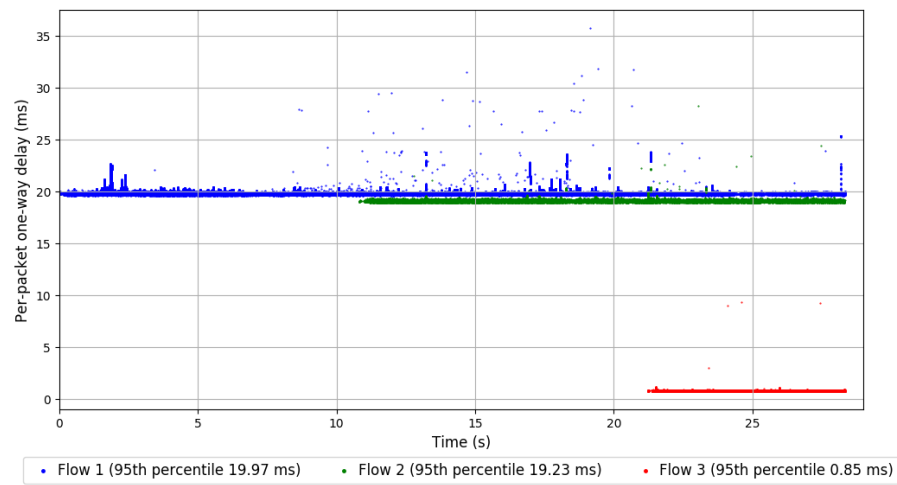
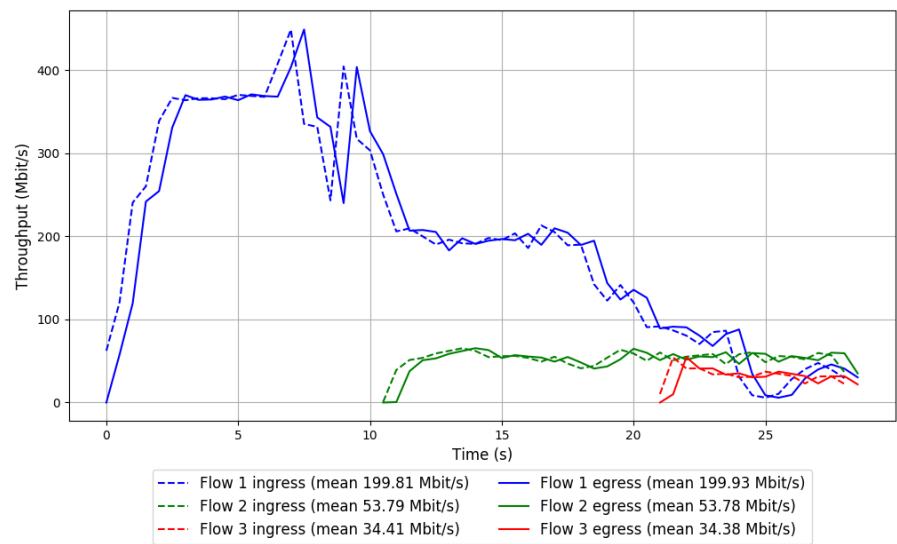


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-10-03 13:45:59
End at: 2019-10-03 13:46:29
Local clock offset: 4.461 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-10-03 14:42:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.83 Mbit/s
95th percentile per-packet one-way delay: 19.945 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 199.93 Mbit/s
95th percentile per-packet one-way delay: 19.969 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 0.847 ms
Loss rate: 0.10%

Run 5: Report of Indigo-MusesC5 — Data Link

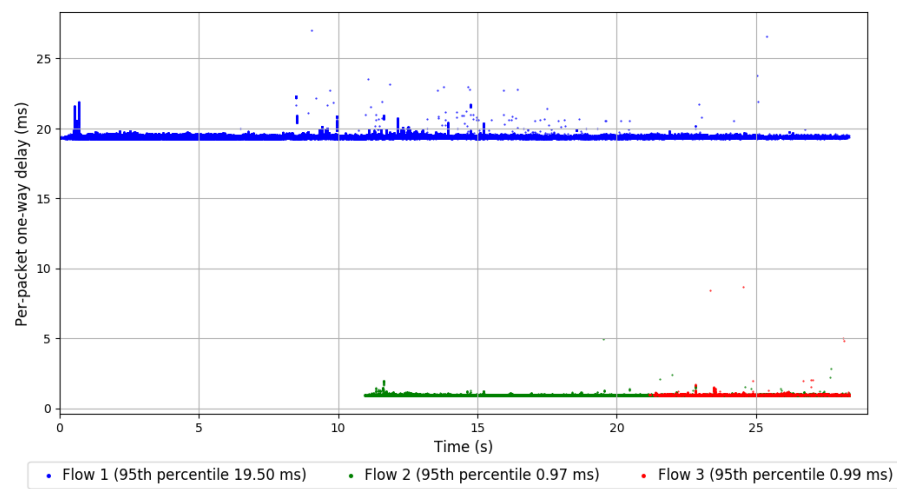
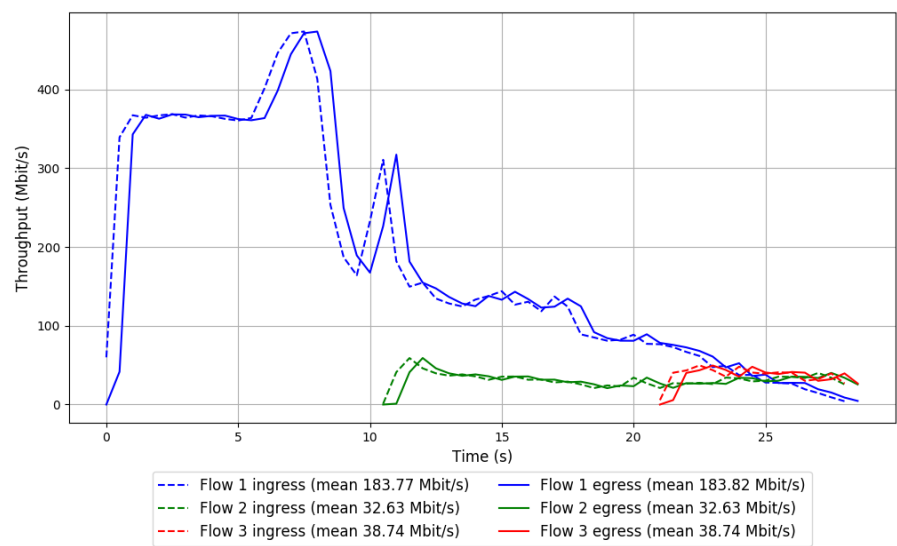


Run 1: Statistics of Indigo-MusesD

Start at: 2019-10-03 11:14:58
End at: 2019-10-03 11:15:28
Local clock offset: 4.077 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-10-03 14:42:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.66 Mbit/s
95th percentile per-packet one-way delay: 19.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.82 Mbit/s
95th percentile per-packet one-way delay: 19.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-10-03 11:50:27

End at: 2019-10-03 11:50:57

Local clock offset: 3.88 ms

Remote clock offset: 0.852 ms

Below is generated by plot.py at 2019-10-03 14:43:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.09 Mbit/s

95th percentile per-packet one-way delay: 19.323 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 207.06 Mbit/s

95th percentile per-packet one-way delay: 18.318 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 19.426 ms

Loss rate: 0.09%

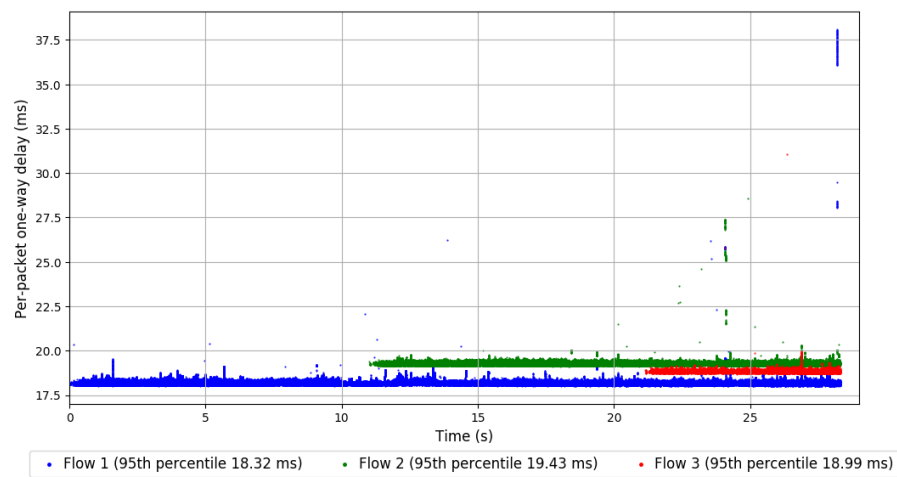
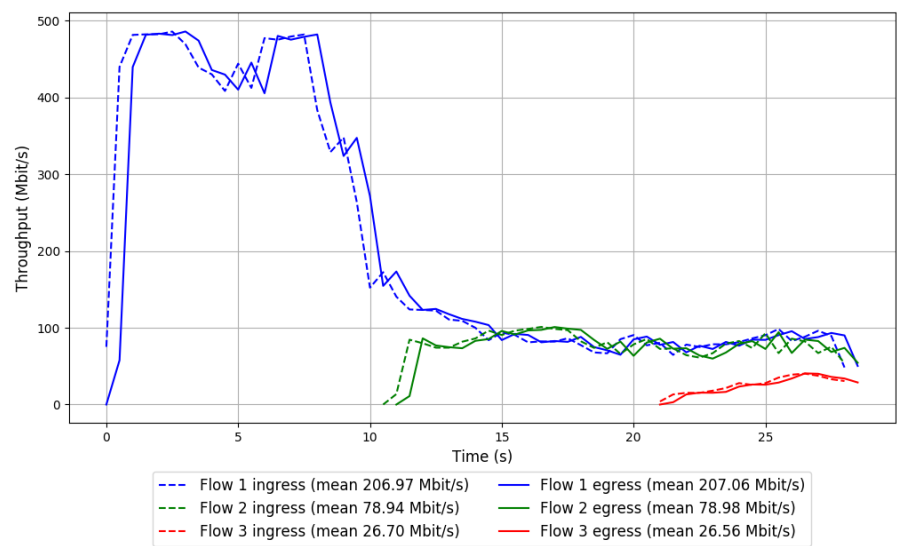
-- Flow 3:

Average throughput: 26.56 Mbit/s

95th percentile per-packet one-way delay: 18.992 ms

Loss rate: 0.79%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-10-03 12:25:43

End at: 2019-10-03 12:26:13

Local clock offset: 3.709 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2019-10-03 14:43:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 19.287 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 56.77 Mbit/s

95th percentile per-packet one-way delay: 0.891 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 44.44 Mbit/s

95th percentile per-packet one-way delay: 0.878 ms

Loss rate: 0.01%

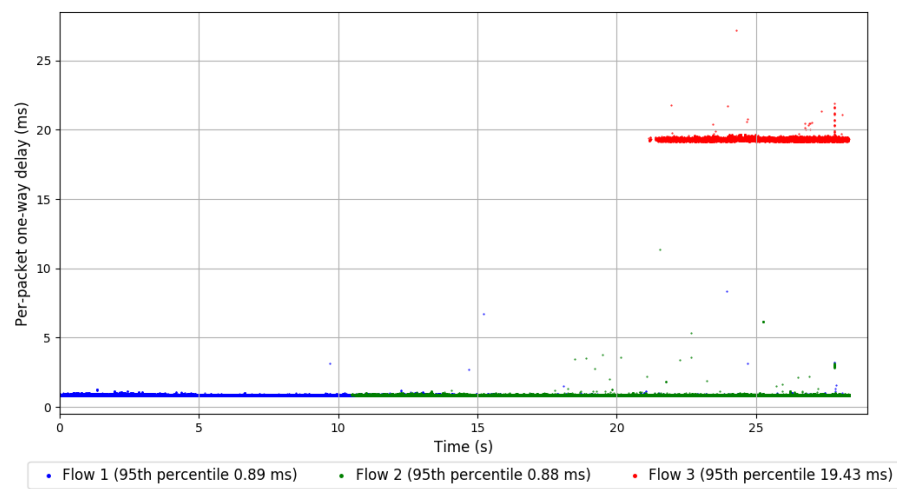
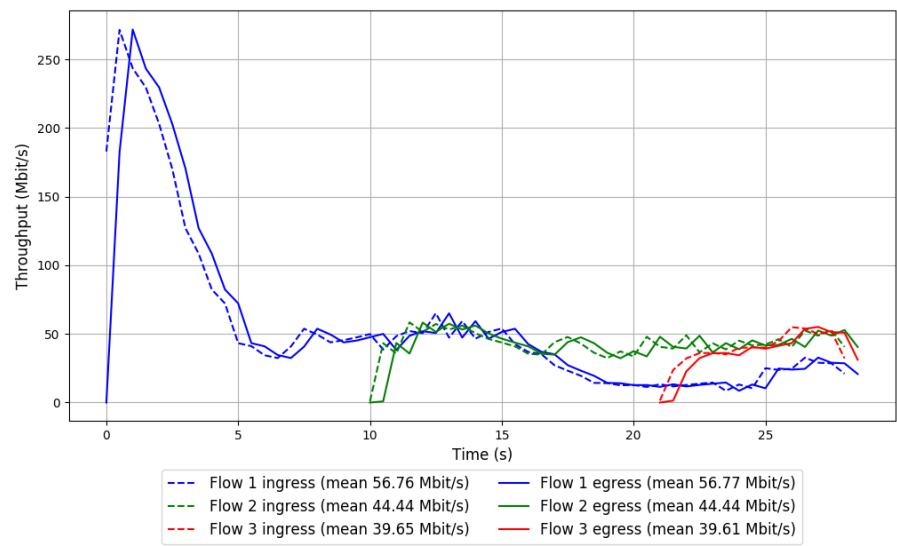
-- Flow 3:

Average throughput: 39.61 Mbit/s

95th percentile per-packet one-way delay: 19.433 ms

Loss rate: 0.48%

Run 3: Report of Indigo-MusesD — Data Link

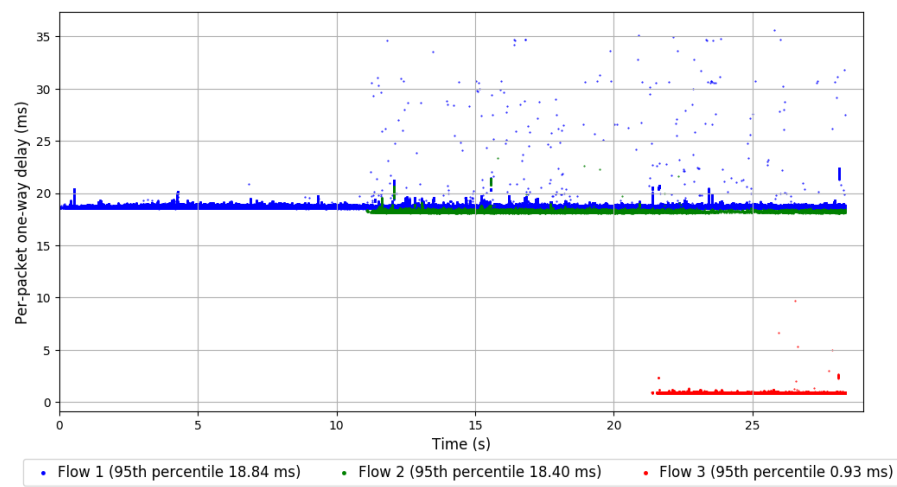
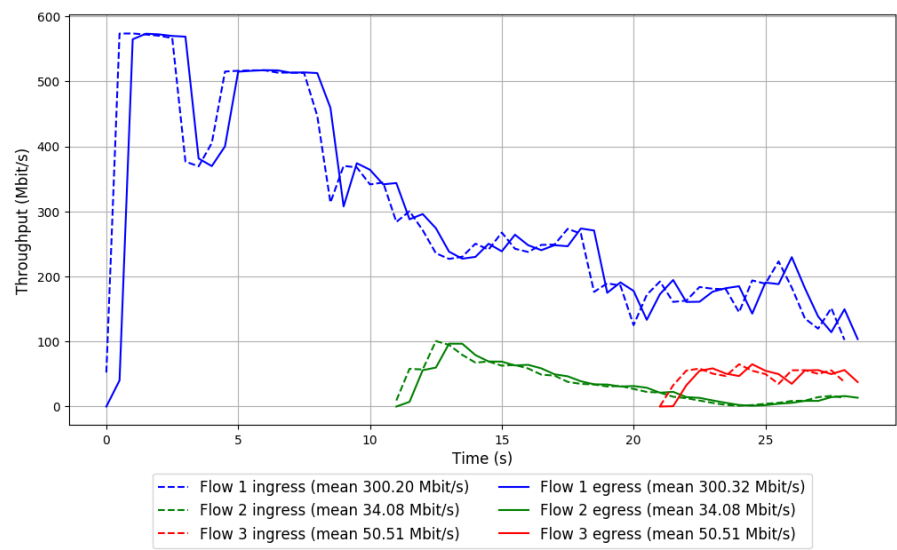


Run 4: Statistics of Indigo-MusesD

Start at: 2019-10-03 13:01:04
End at: 2019-10-03 13:01:34
Local clock offset: 4.004 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-10-03 14:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.52 Mbit/s
95th percentile per-packet one-way delay: 18.833 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 300.32 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 18.398 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 50.51 Mbit/s
95th percentile per-packet one-way delay: 0.931 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link

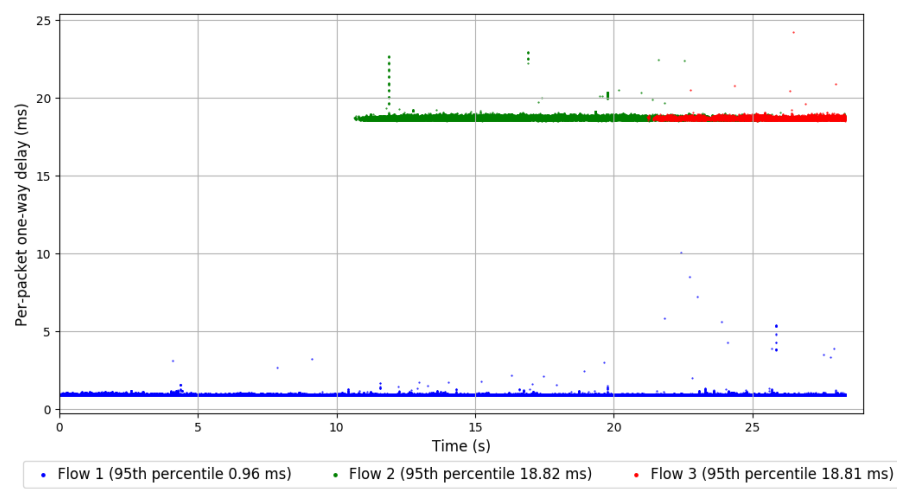
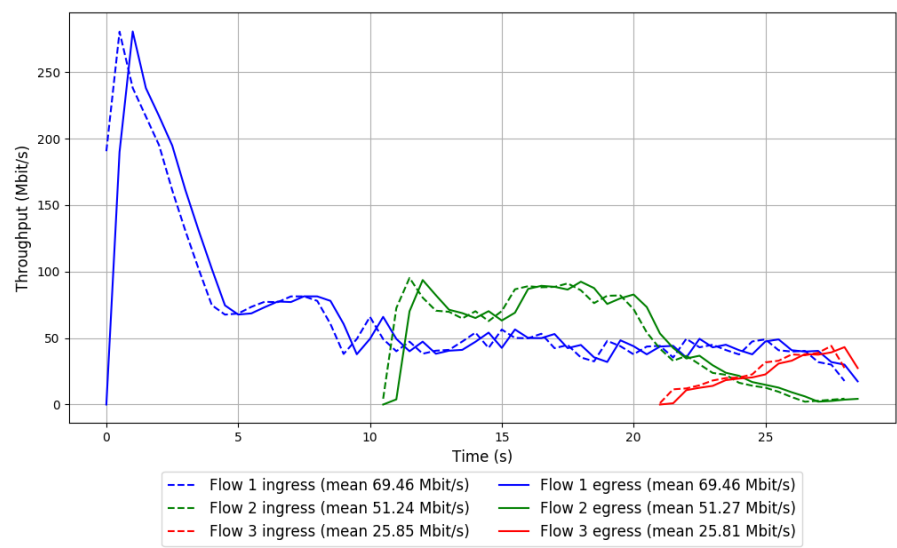


Run 5: Statistics of Indigo-MusesD

Start at: 2019-10-03 13:36:28
End at: 2019-10-03 13:36:58
Local clock offset: 4.415 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-10-03 14:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.98 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.27 Mbit/s
95th percentile per-packet one-way delay: 18.816 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.44%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-10-03 11:29:20

End at: 2019-10-03 11:29:50

Local clock offset: 4.12 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2019-10-03 14:44:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.56 Mbit/s

95th percentile per-packet one-way delay: 19.406 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 129.71 Mbit/s

95th percentile per-packet one-way delay: 1.026 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.00%

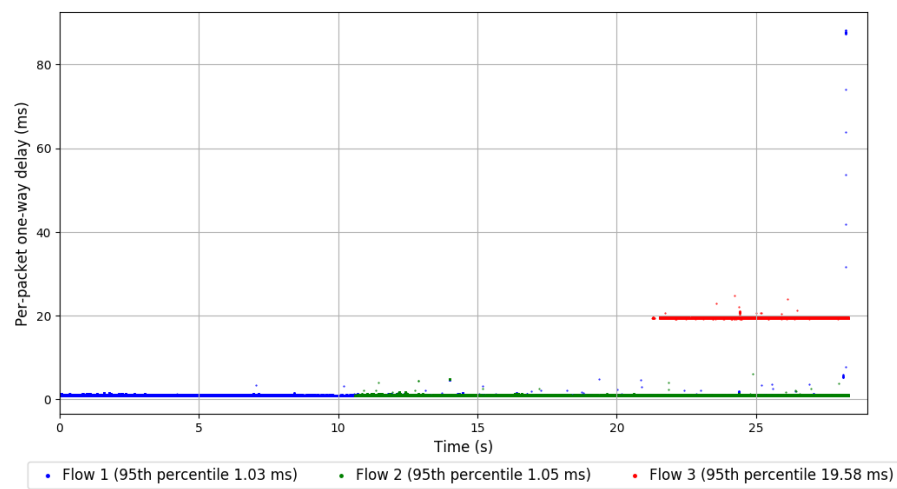
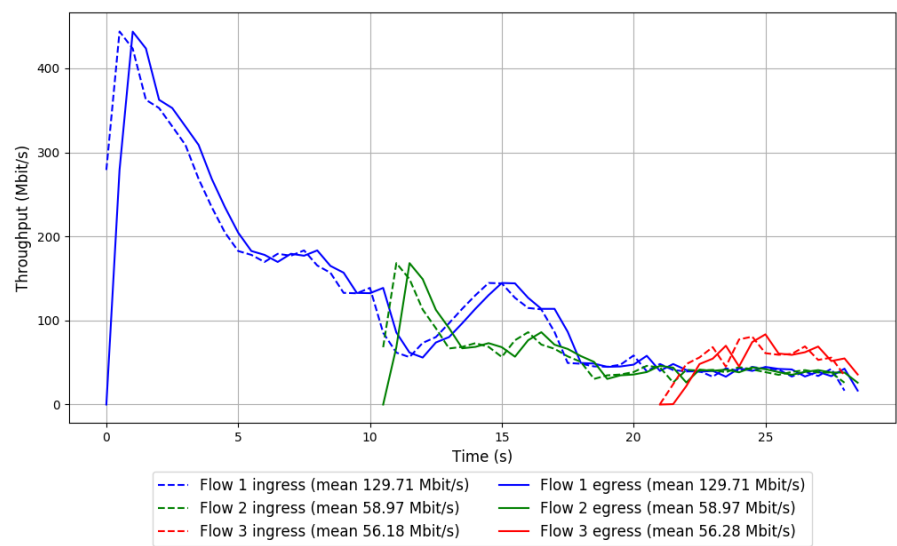
-- Flow 3:

Average throughput: 56.28 Mbit/s

95th percentile per-packet one-way delay: 19.578 ms

Loss rate: 0.24%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-10-03 12:04:46

End at: 2019-10-03 12:05:16

Local clock offset: 3.813 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2019-10-03 14:44:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.04 Mbit/s

95th percentile per-packet one-way delay: 19.073 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 186.69 Mbit/s

95th percentile per-packet one-way delay: 18.772 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 41.08 Mbit/s

95th percentile per-packet one-way delay: 0.915 ms

Loss rate: 0.01%

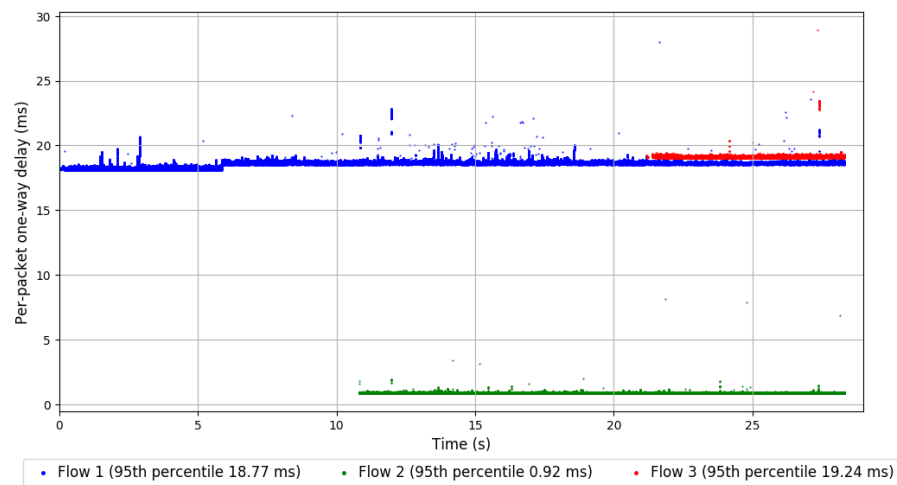
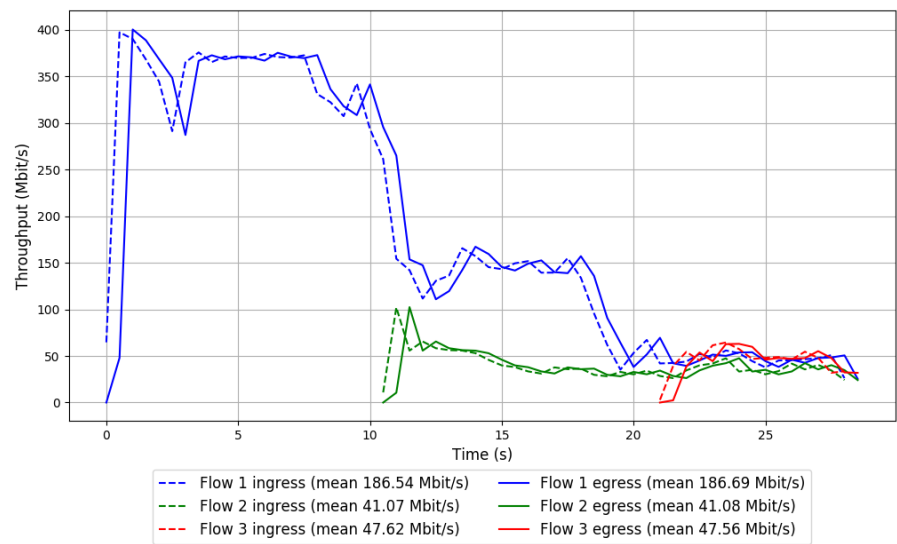
-- Flow 3:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 19.239 ms

Loss rate: 0.39%

Run 2: Report of Indigo-MusesT — Data Link

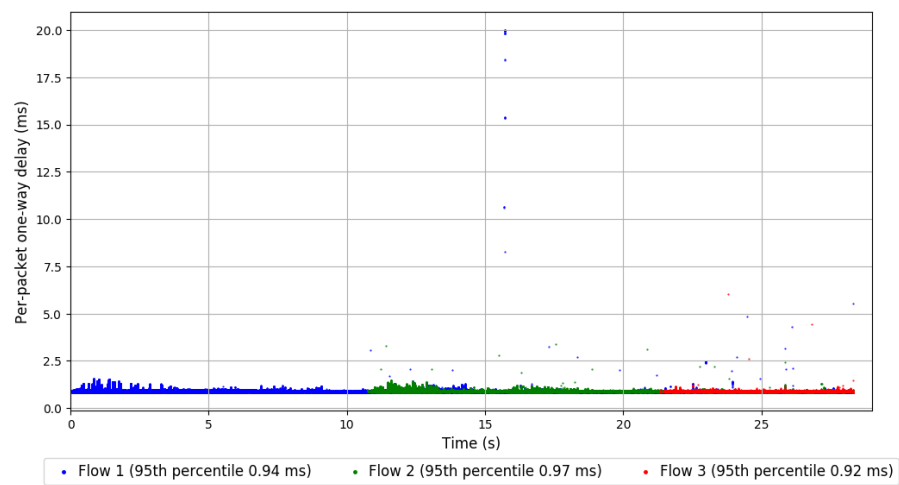
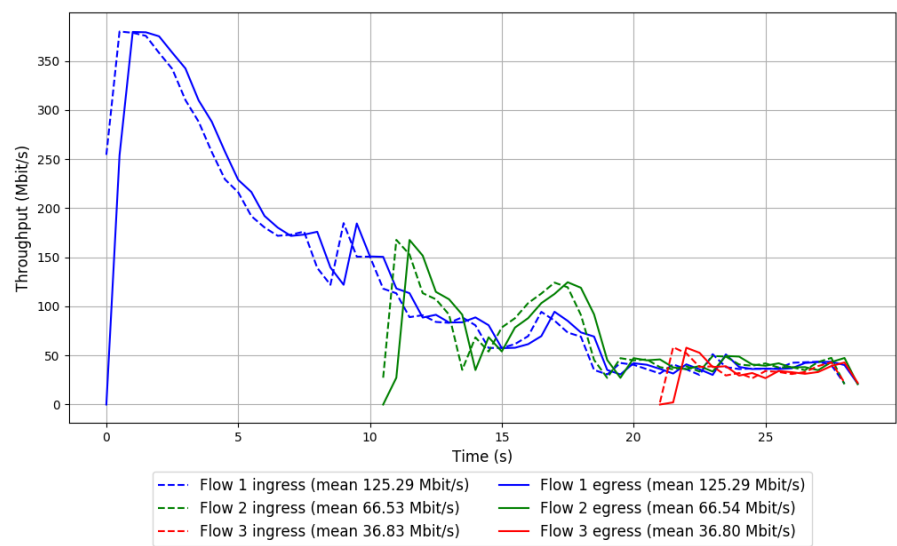


Run 3: Statistics of Indigo-MusesT

Start at: 2019-10-03 12:39:59
End at: 2019-10-03 12:40:29
Local clock offset: 3.652 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-10-03 14:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.60 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.29 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.54 Mbit/s
95th percentile per-packet one-way delay: 0.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 0.916 ms
Loss rate: 0.06%

Run 3: Report of Indigo-MusesT — Data Link

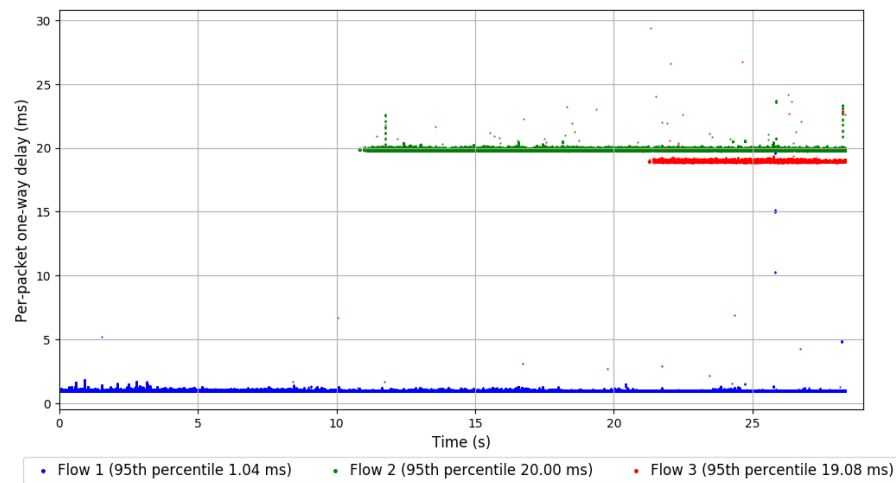
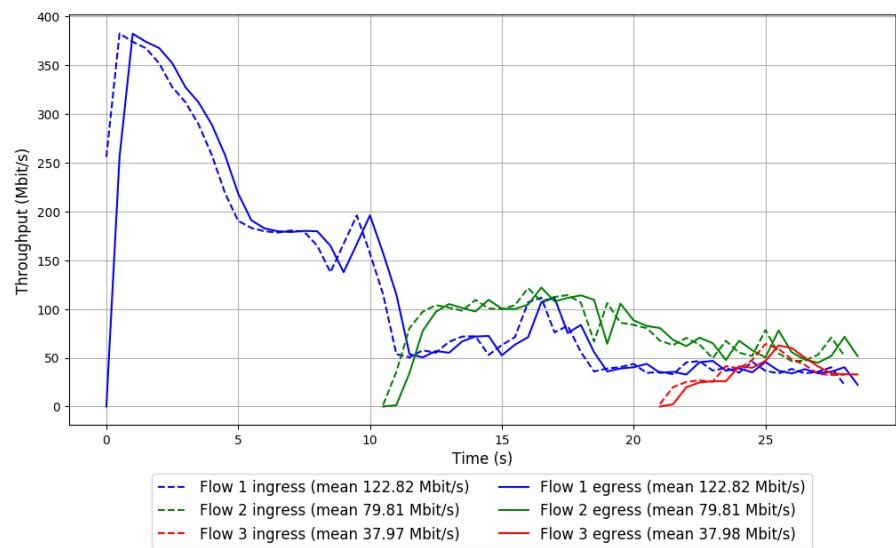


Run 4: Statistics of Indigo-MusesT

Start at: 2019-10-03 13:15:26
End at: 2019-10-03 13:15:56
Local clock offset: 4.287 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2019-10-03 14:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.75 Mbit/s
95th percentile per-packet one-way delay: 19.929 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 122.82 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 19.081 ms
Loss rate: 0.15%

Run 4: Report of Indigo-MusesT — Data Link

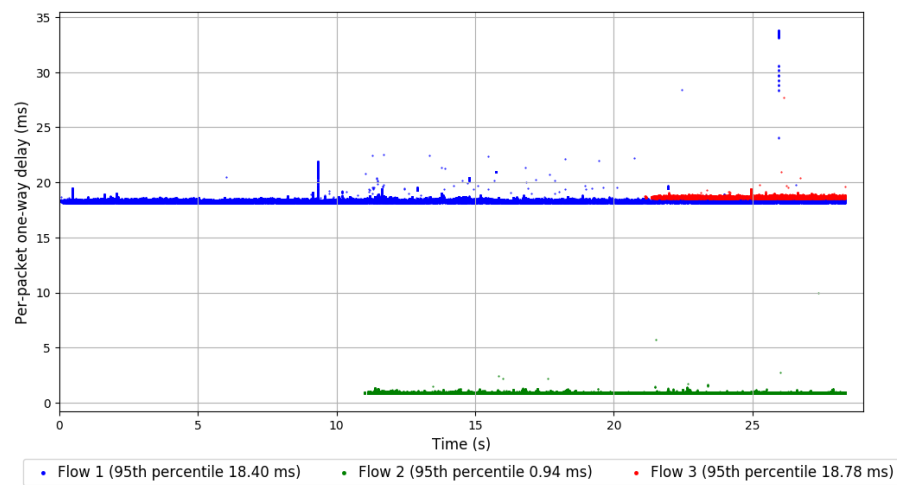
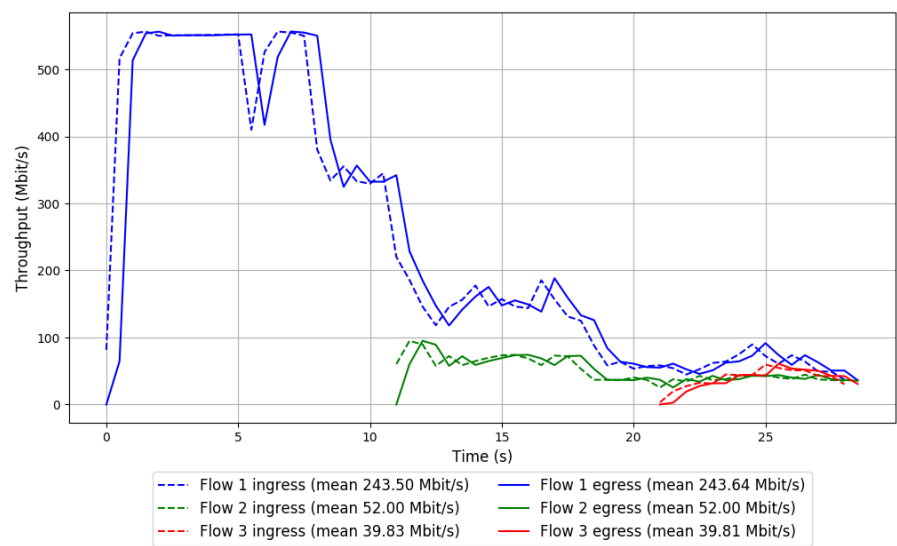


Run 5: Statistics of Indigo-MusesT

Start at: 2019-10-03 13:50:46
End at: 2019-10-03 13:51:16
Local clock offset: 4.525 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-10-03 14:45:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.64 Mbit/s
95th percentile per-packet one-way delay: 18.472 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 243.64 Mbit/s
95th percentile per-packet one-way delay: 18.398 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.00 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 18.784 ms
Loss rate: 0.27%

Run 5: Report of Indigo-MusesT — Data Link

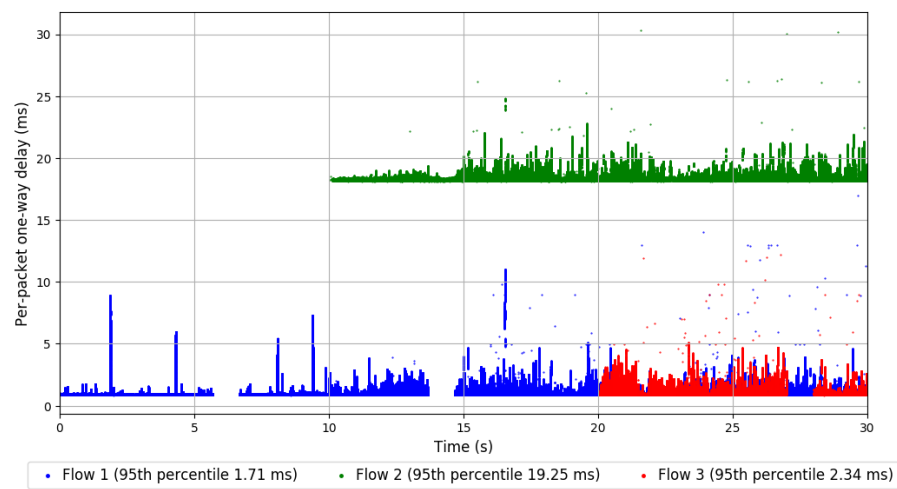
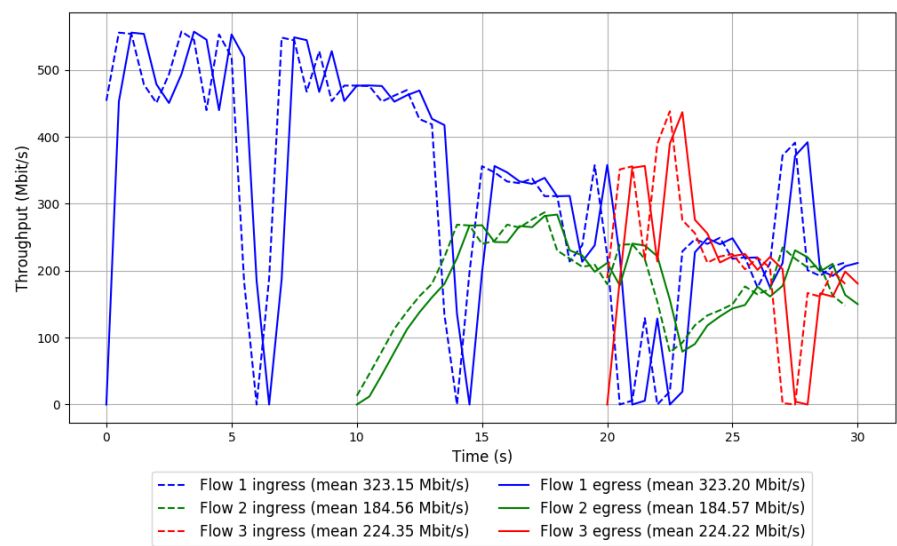


```
Run 1: Statistics of LEDBAT

Start at: 2019-10-03 11:04:20
End at: 2019-10-03 11:04:50
Local clock offset: 4.106 ms
Remote clock offset: -0.302 ms

# Below is generated by plot.py at 2019-10-03 14:48:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 520.32 Mbit/s
95th percentile per-packet one-way delay: 18.462 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 323.20 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.57 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 224.22 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-10-03 11:39:17

End at: 2019-10-03 11:39:47

Local clock offset: 3.982 ms

Remote clock offset: 0.584 ms

Below is generated by plot.py at 2019-10-03 14:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 458.14 Mbit/s

95th percentile per-packet one-way delay: 19.733 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 271.46 Mbit/s

95th percentile per-packet one-way delay: 19.229 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 178.17 Mbit/s

95th percentile per-packet one-way delay: 20.264 ms

Loss rate: 0.06%

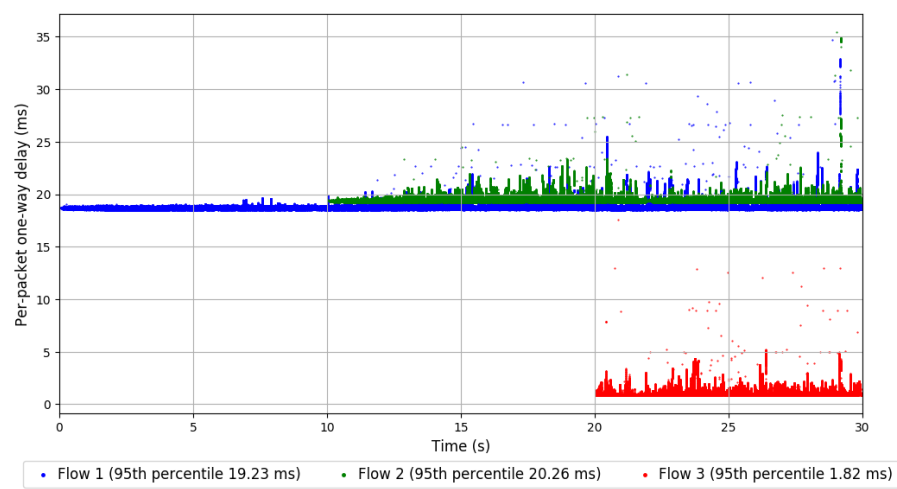
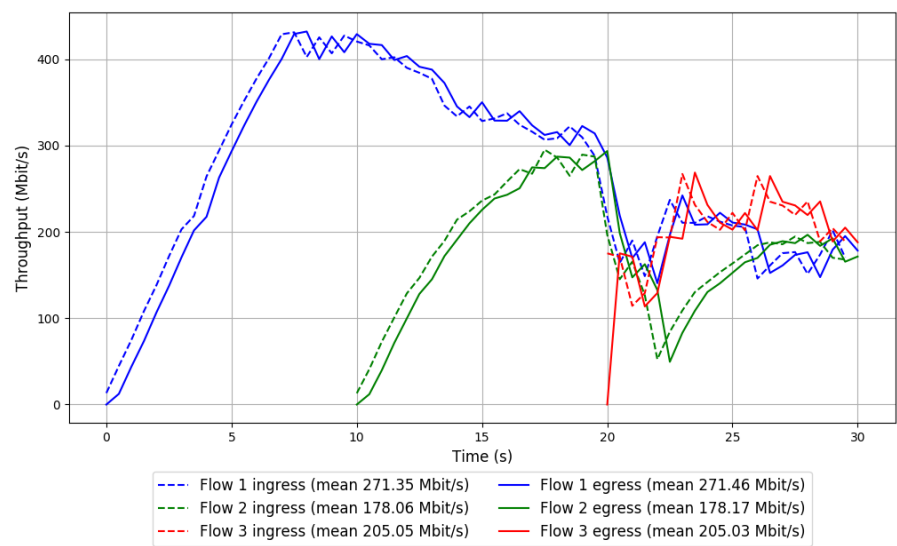
-- Flow 3:

Average throughput: 205.03 Mbit/s

95th percentile per-packet one-way delay: 1.816 ms

Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-10-03 12:14:41

End at: 2019-10-03 12:15:11

Local clock offset: 3.778 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2019-10-03 14:48:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.27 Mbit/s

95th percentile per-packet one-way delay: 19.441 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 240.41 Mbit/s

95th percentile per-packet one-way delay: 19.718 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 287.55 Mbit/s

95th percentile per-packet one-way delay: 1.802 ms

Loss rate: 0.01%

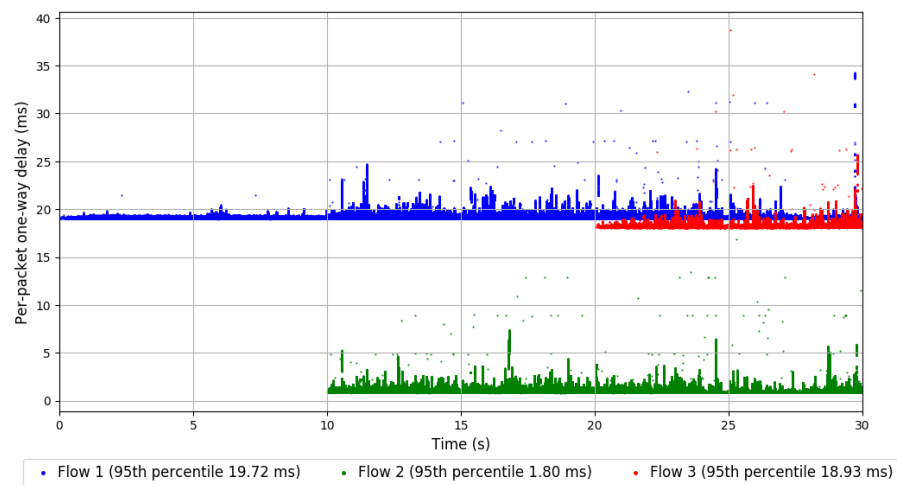
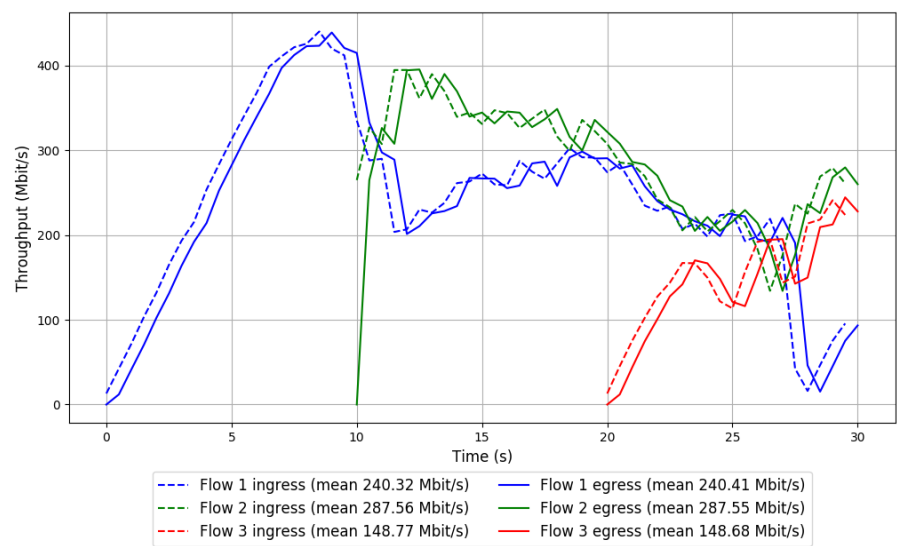
-- Flow 3:

Average throughput: 148.68 Mbit/s

95th percentile per-packet one-way delay: 18.926 ms

Loss rate: 0.25%

Run 3: Report of LEDBAT — Data Link

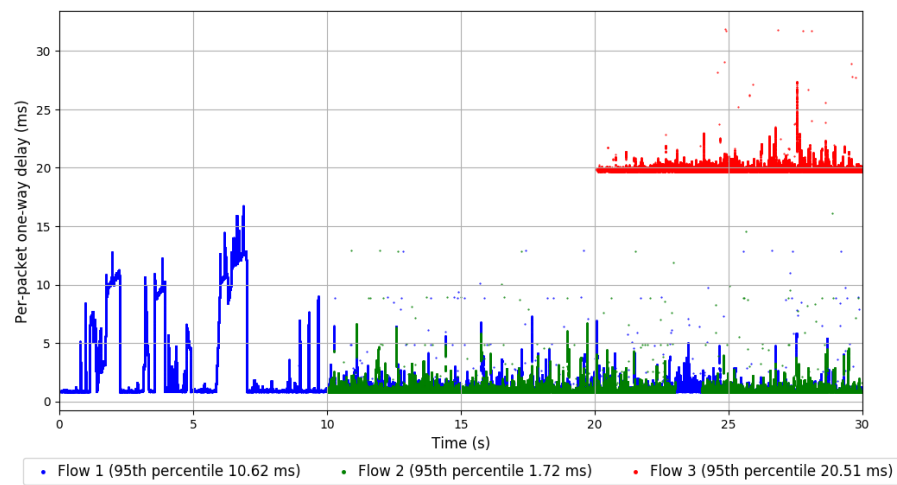
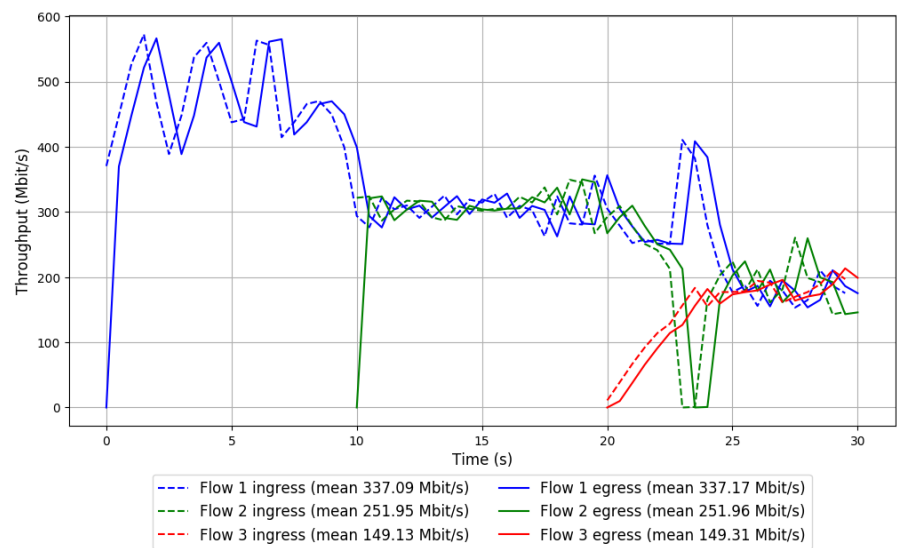


Run 4: Statistics of LEDBAT

Start at: 2019-10-03 12:50:02
End at: 2019-10-03 12:50:32
Local clock offset: 3.64 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 554.40 Mbit/s
95th percentile per-packet one-way delay: 19.828 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 337.17 Mbit/s
95th percentile per-packet one-way delay: 10.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 251.96 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 149.31 Mbit/s
95th percentile per-packet one-way delay: 20.512 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-10-03 13:25:32

End at: 2019-10-03 13:26:02

Local clock offset: 4.352 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2019-10-03 14:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 528.65 Mbit/s

95th percentile per-packet one-way delay: 19.101 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 344.66 Mbit/s

95th percentile per-packet one-way delay: 2.058 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.73 Mbit/s

95th percentile per-packet one-way delay: 19.658 ms

Loss rate: 0.06%

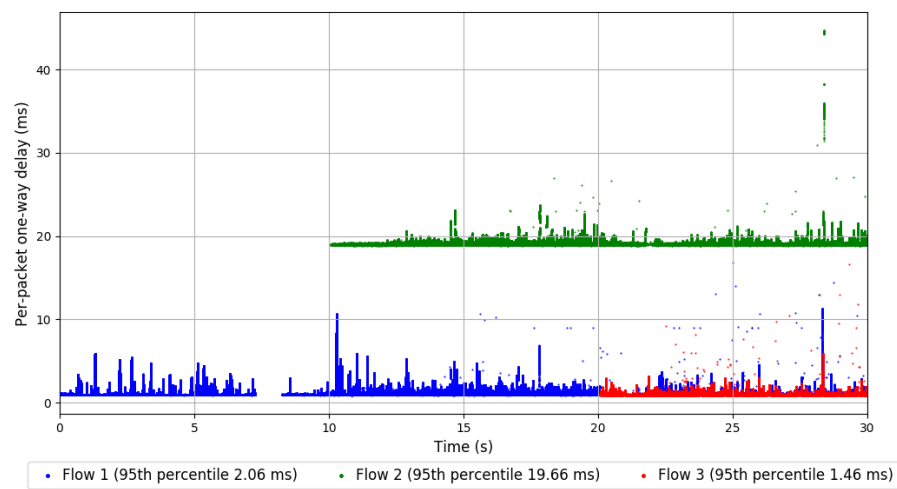
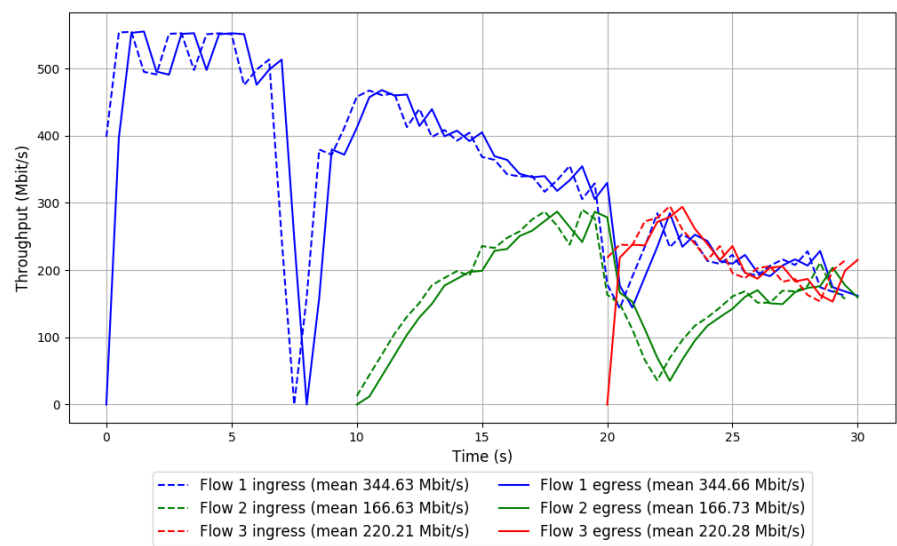
-- Flow 3:

Average throughput: 220.28 Mbit/s

95th percentile per-packet one-way delay: 1.456 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-10-03 11:20:25

End at: 2019-10-03 11:20:55

Local clock offset: 4.156 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2019-10-03 14:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 0.907 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.63 Mbit/s

95th percentile per-packet one-way delay: 0.899 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.00%

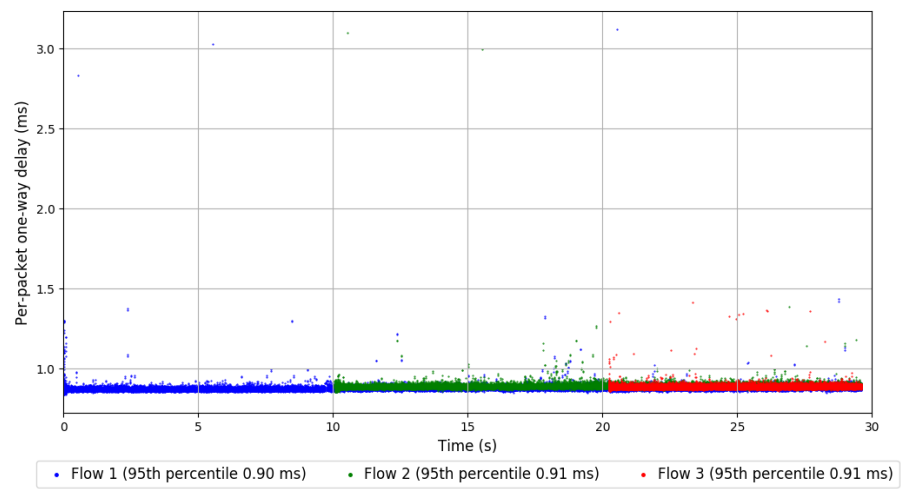
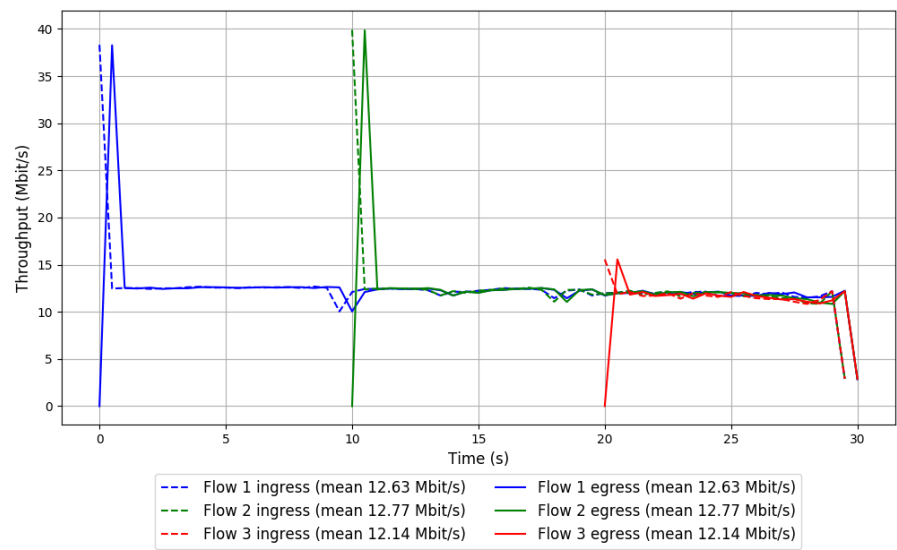
-- Flow 3:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 0.907 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-10-03 11:55:50

End at: 2019-10-03 11:56:20

Local clock offset: 3.907 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2019-10-03 14:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.08 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.83 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.01%

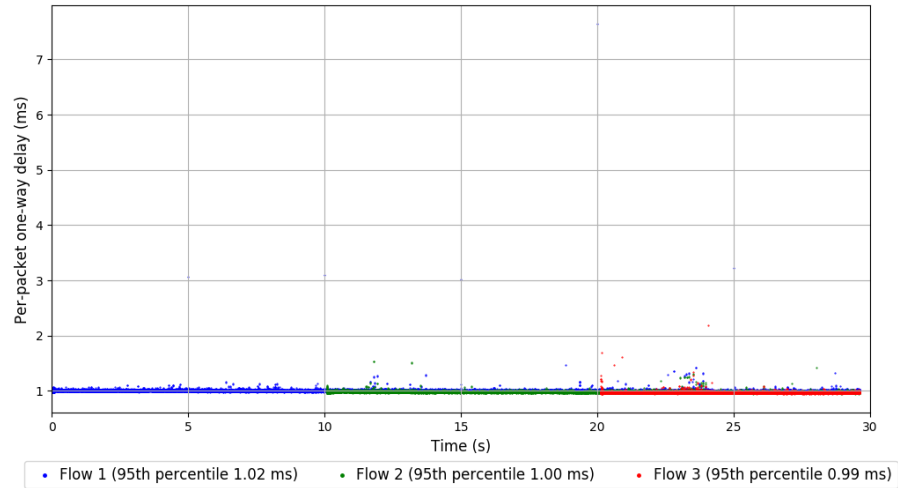
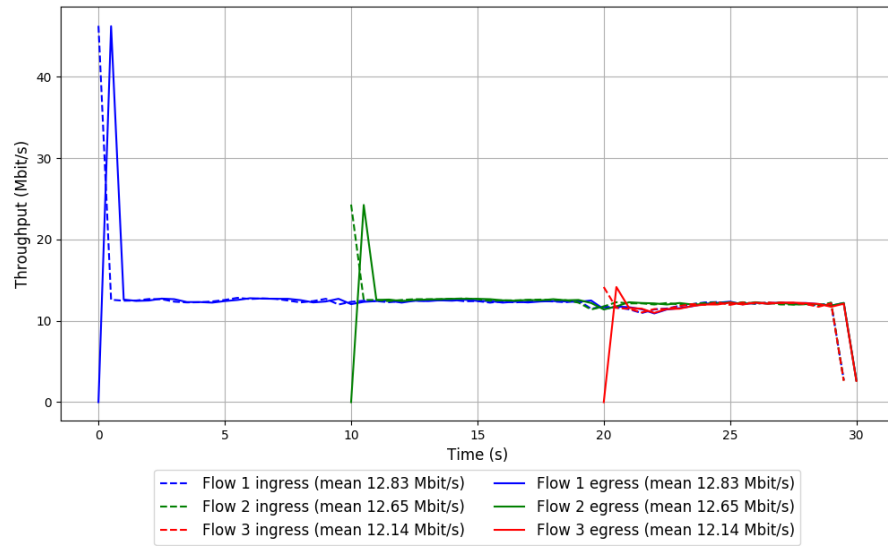
-- Flow 3:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.02%

Run 2: Report of Muses_DecisionTree — Data Link

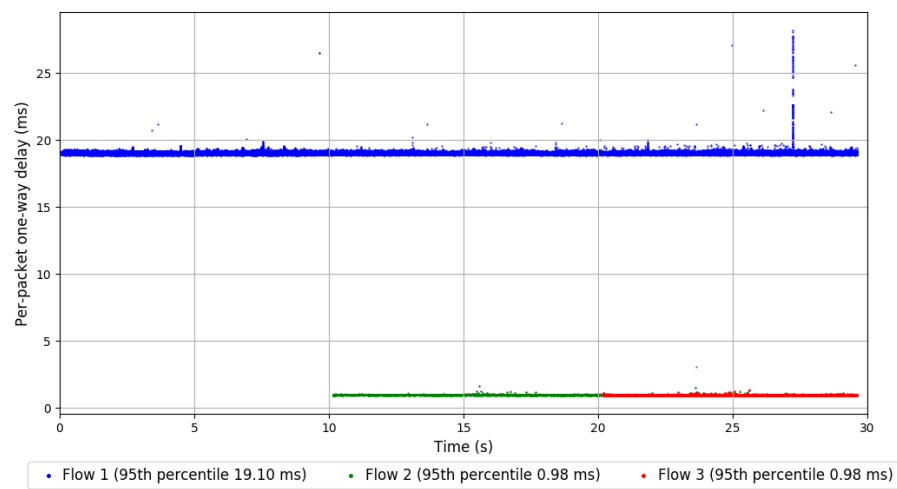
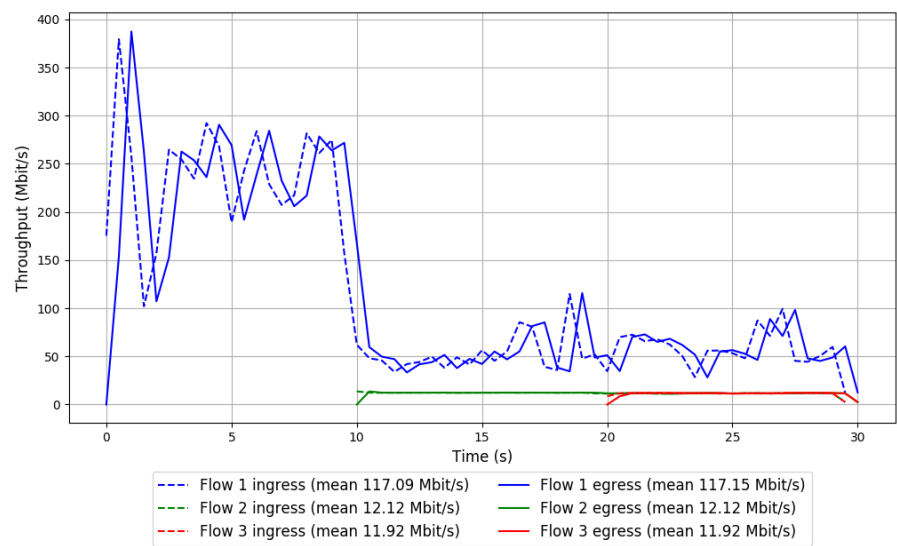


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-10-03 12:31:03
End at: 2019-10-03 12:31:33
Local clock offset: 3.732 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.90 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 117.15 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 0.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.02%

Run 3: Report of Muses_DecisionTree — Data Link

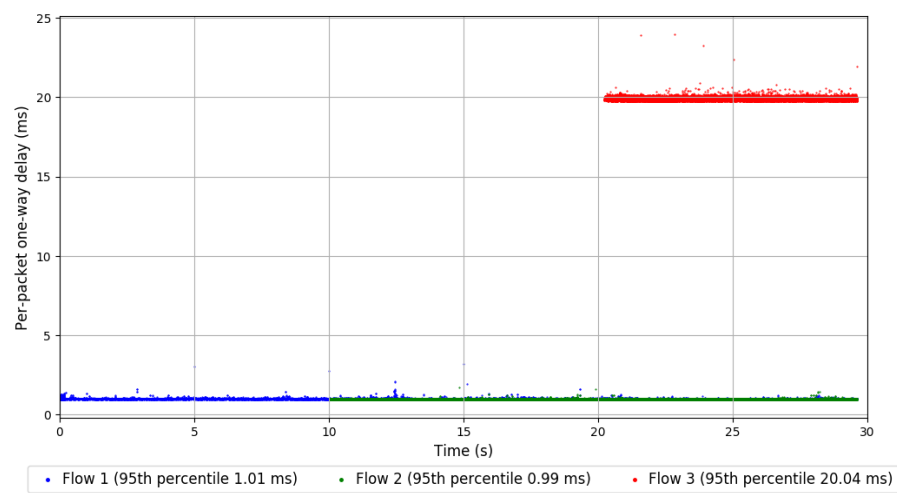
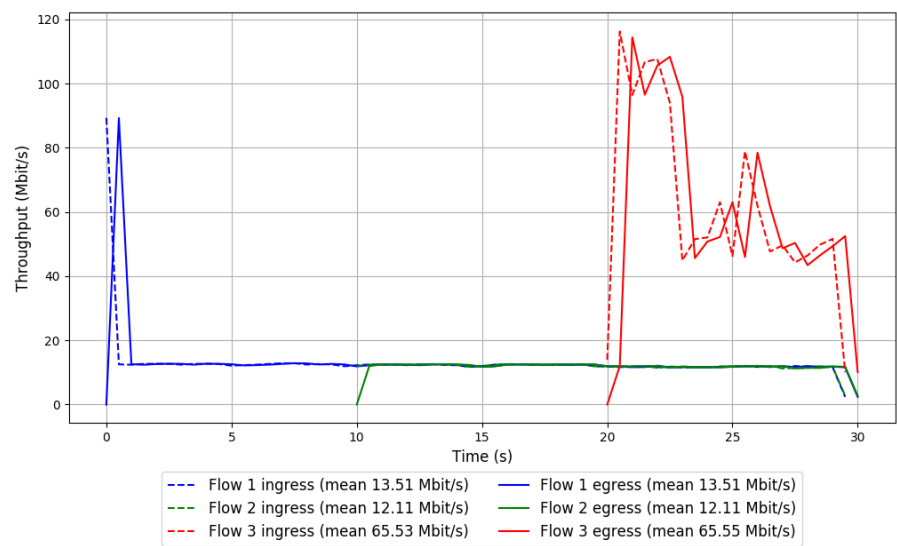


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-10-03 13:06:31
End at: 2019-10-03 13:07:01
Local clock offset: 4.185 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 20.002 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 0.990 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.13%

Run 4: Report of Muses_DecisionTree — Data Link

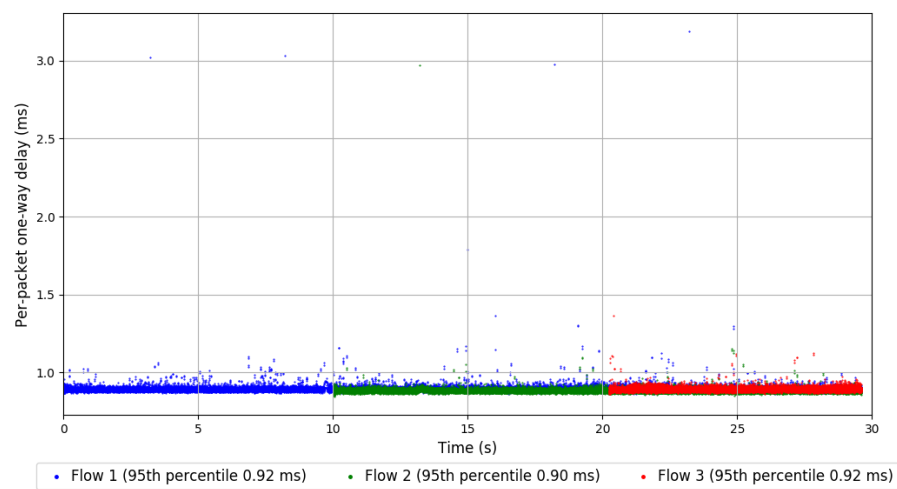
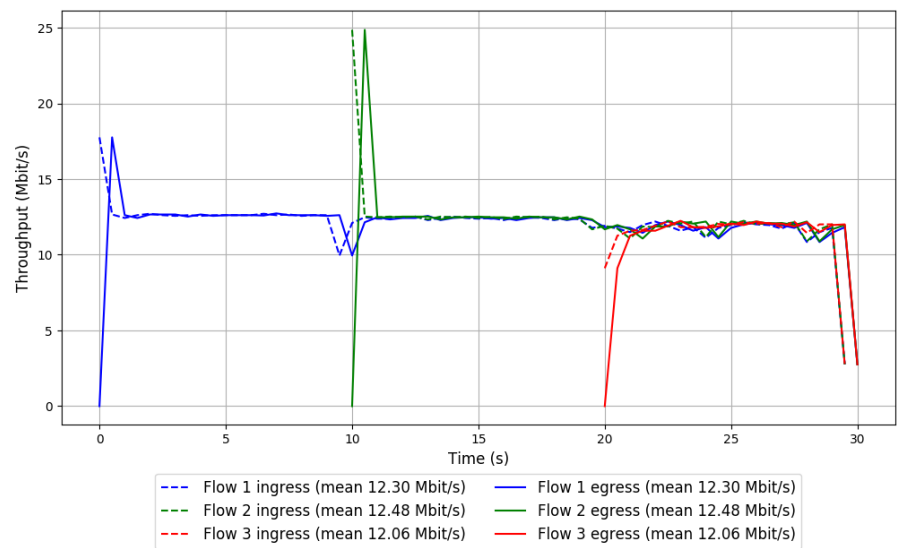


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-10-03 13:41:47
End at: 2019-10-03 13:42:17
Local clock offset: 4.472 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 0.913 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 0.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 0.904 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 0.917 ms
Loss rate: 0.02%

Run 5: Report of Muses_DecisionTree — Data Link

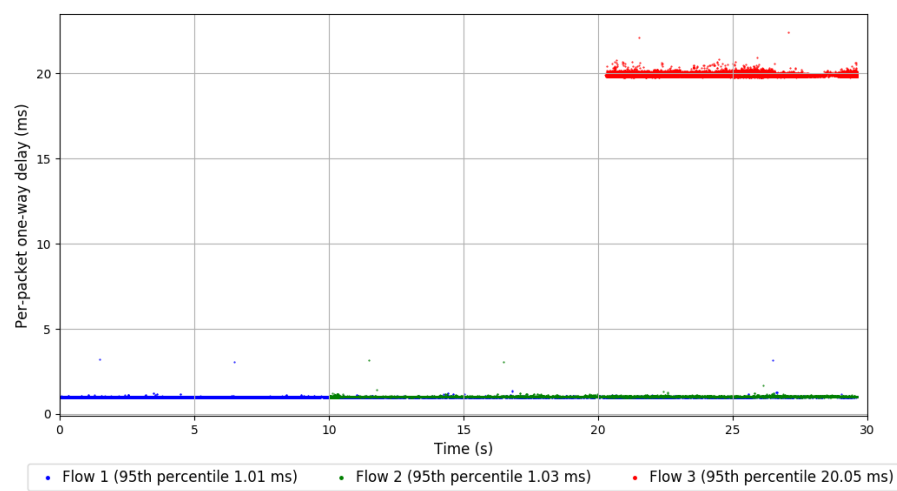
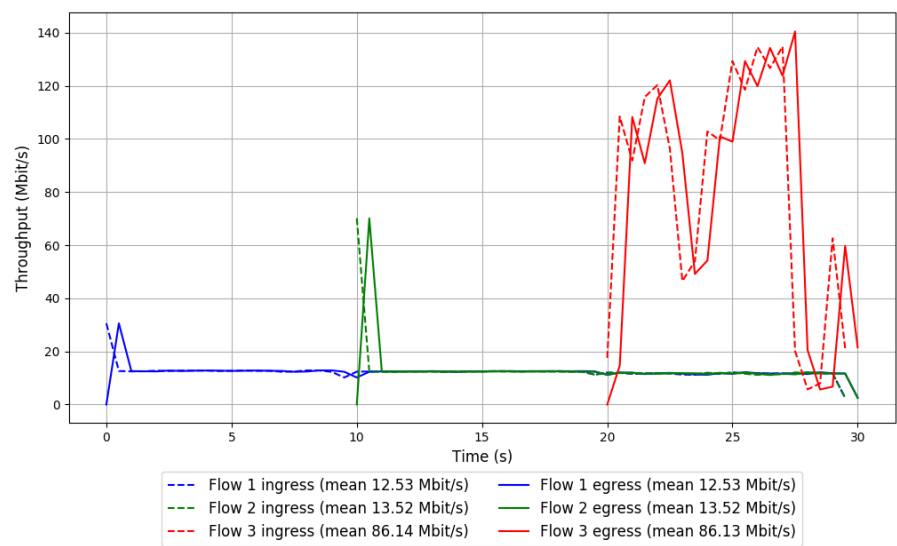



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 11:30:41
End at: 2019-10-03 11:31:11
Local clock offset: 4.024 ms
Remote clock offset: 0.208 ms

# Below is generated by plot.py at 2019-10-03 14:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 20.023 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 1.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 20.054 ms
Loss rate: 0.24%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 12:06:09

End at: 2019-10-03 12:06:39

Local clock offset: 3.833 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2019-10-03 14:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 19.245 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 0.944 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.01%

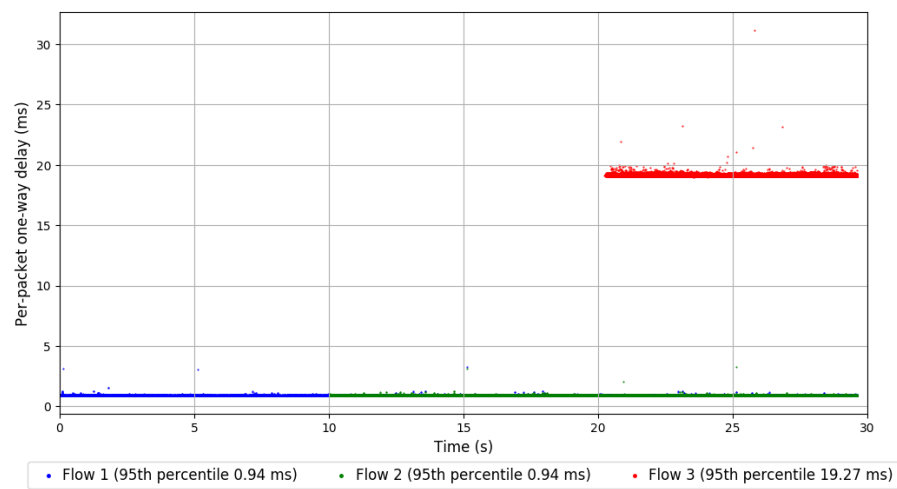
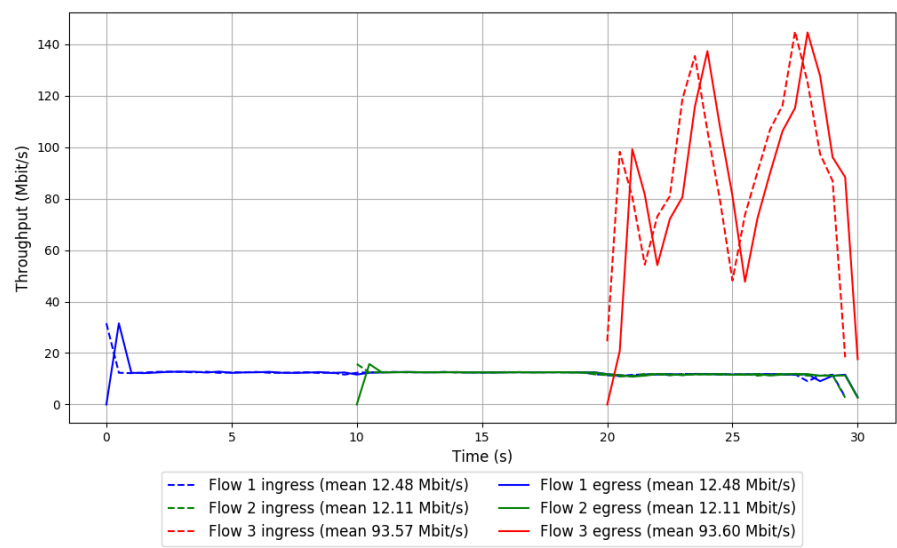
-- Flow 3:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 19.271 ms

Loss rate: 0.21%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

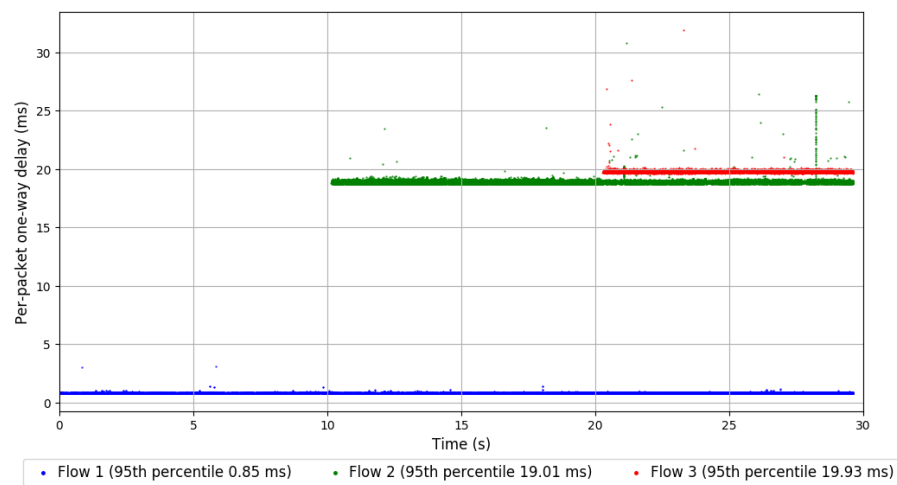
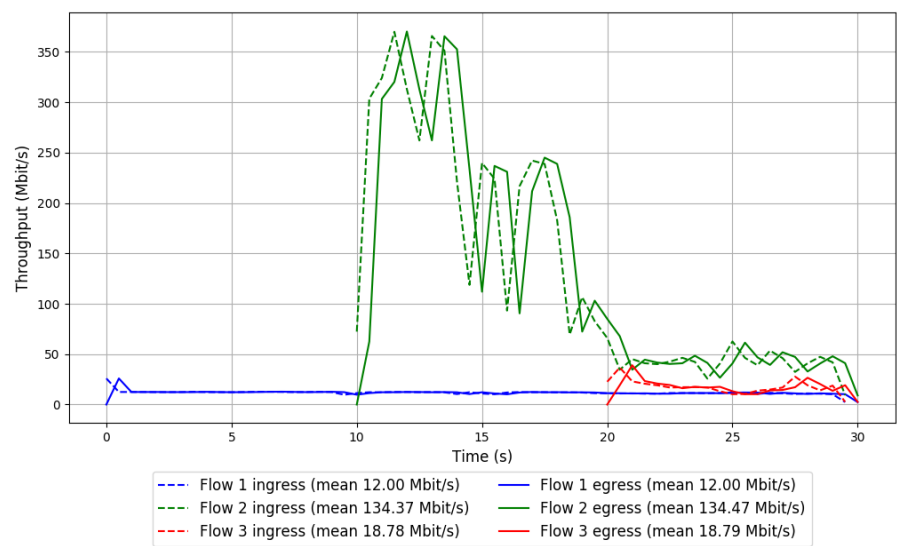


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 12:41:20
End at: 2019-10-03 12:41:50
Local clock offset: 3.66 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.40 Mbit/s
95th percentile per-packet one-way delay: 19.706 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 0.853 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 134.47 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 18.79 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.16%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

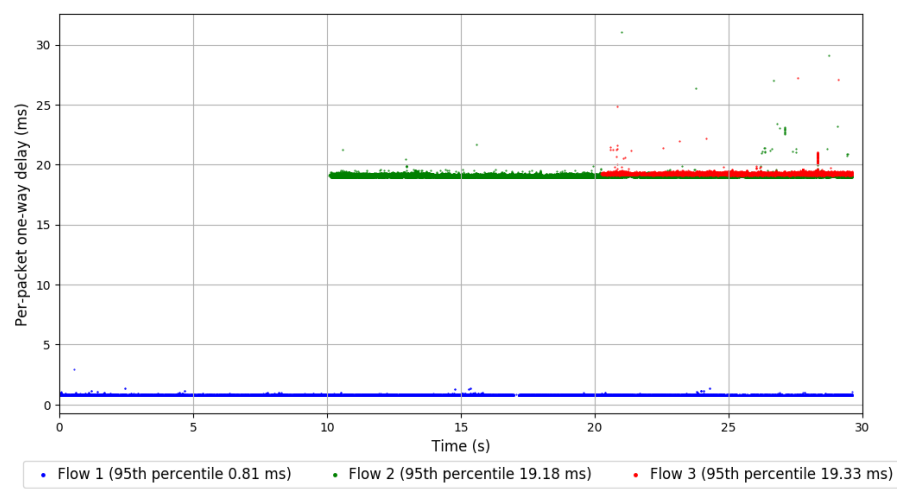
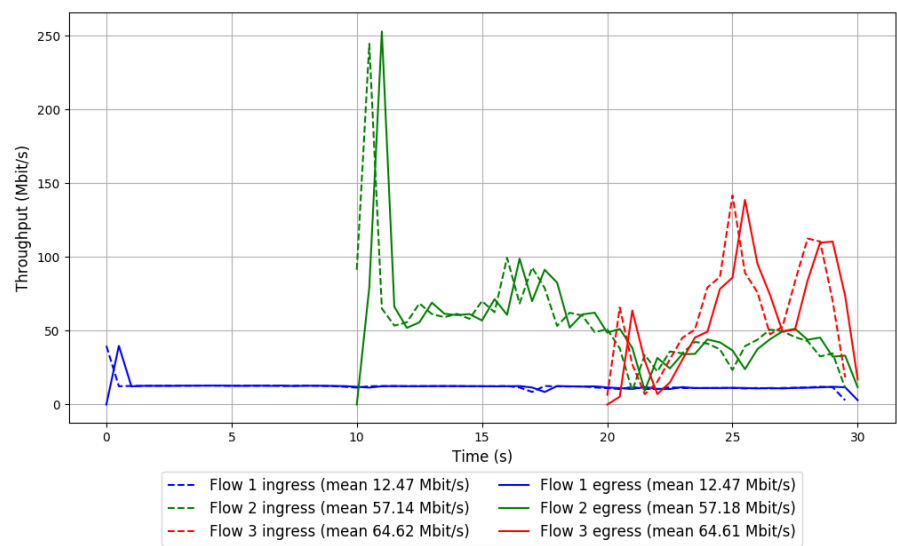


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 13:16:47
End at: 2019-10-03 13:17:17
Local clock offset: 4.297 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 19.279 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 0.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.23%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

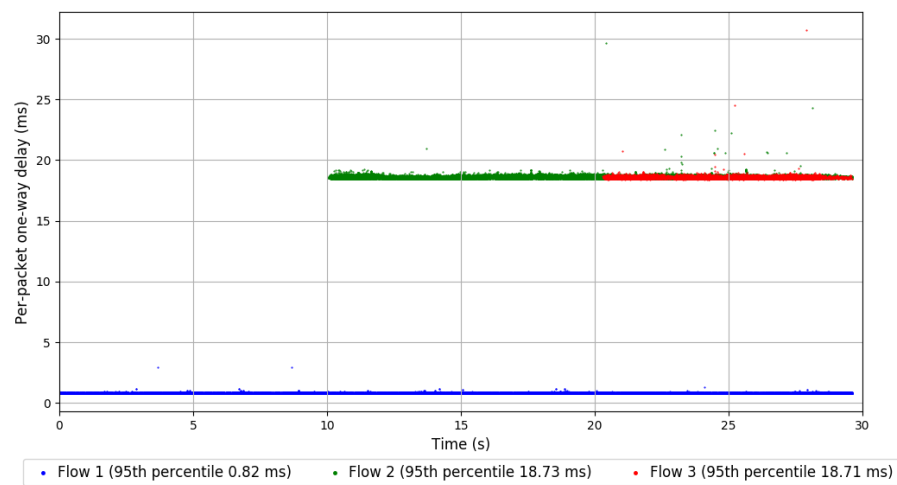
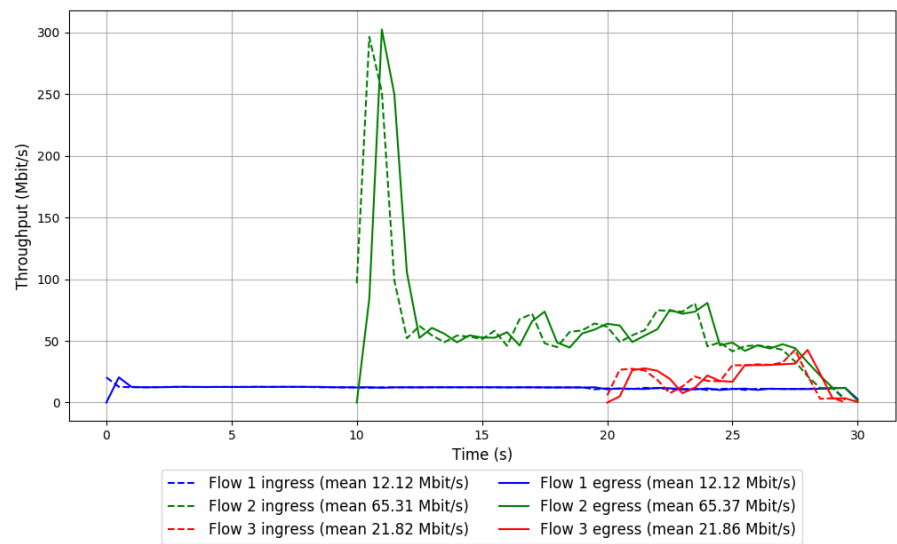


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 13:52:10
End at: 2019-10-03 13:52:40
Local clock offset: 4.52 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 18.714 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 0.821 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 18.726 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 18.709 ms
Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

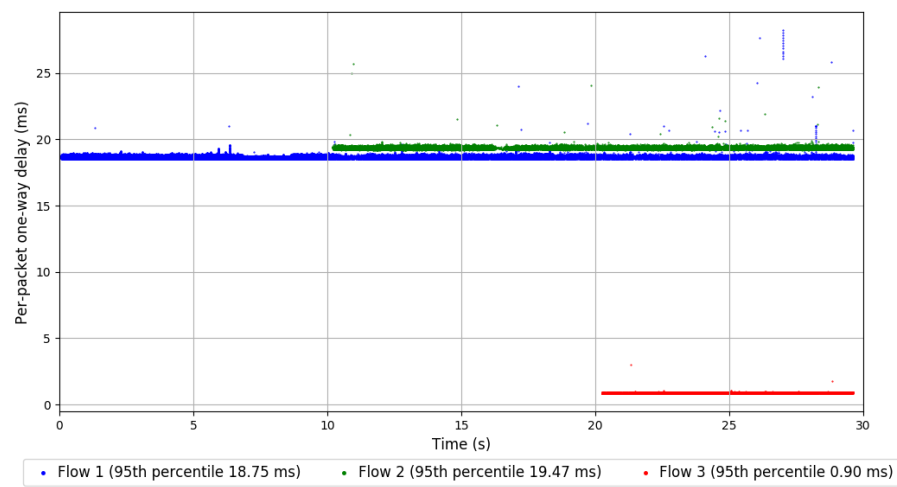
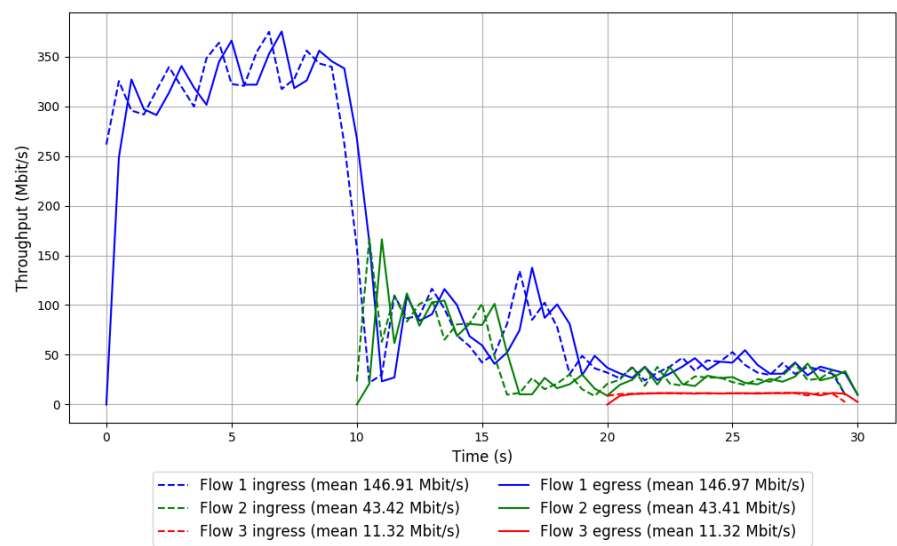


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 11:19:04
End at: 2019-10-03 11:19:34
Local clock offset: 4.092 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2019-10-03 14:50:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 146.97 Mbit/s
95th percentile per-packet one-way delay: 18.753 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 19.466 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 11.32 Mbit/s
95th percentile per-packet one-way delay: 0.902 ms
Loss rate: 0.02%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 11:54:34

End at: 2019-10-03 11:55:04

Local clock offset: 3.884 ms

Remote clock offset: 0.539 ms

Below is generated by plot.py at 2019-10-03 14:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 0.871 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.57 Mbit/s

95th percentile per-packet one-way delay: 0.875 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.54 Mbit/s

95th percentile per-packet one-way delay: 0.865 ms

Loss rate: 0.00%

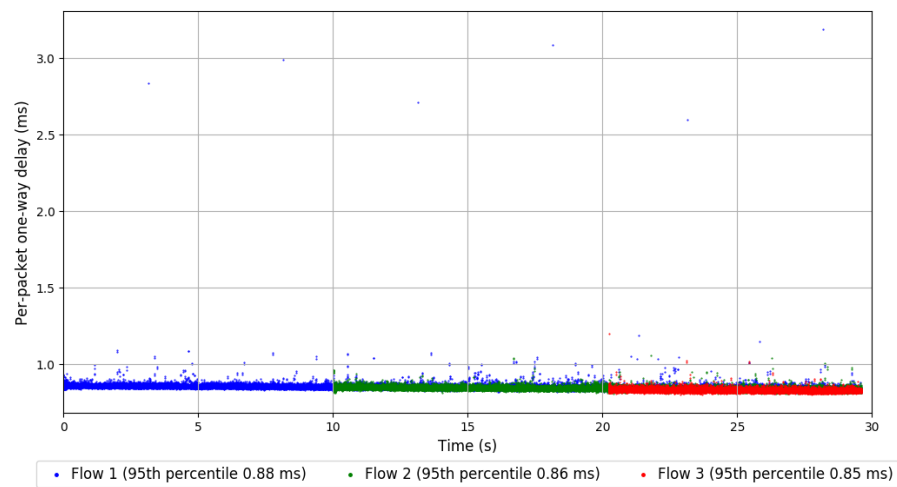
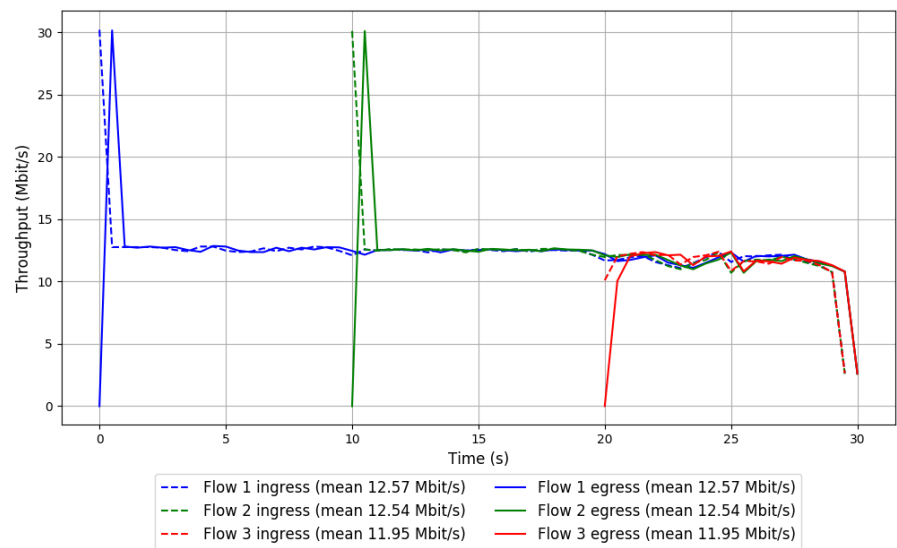
-- Flow 3:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 0.853 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 12:29:44

End at: 2019-10-03 12:30:14

Local clock offset: 3.7 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-10-03 14:50:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 19.880 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 0.865 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 109.46 Mbit/s

95th percentile per-packet one-way delay: 19.889 ms

Loss rate: 0.09%

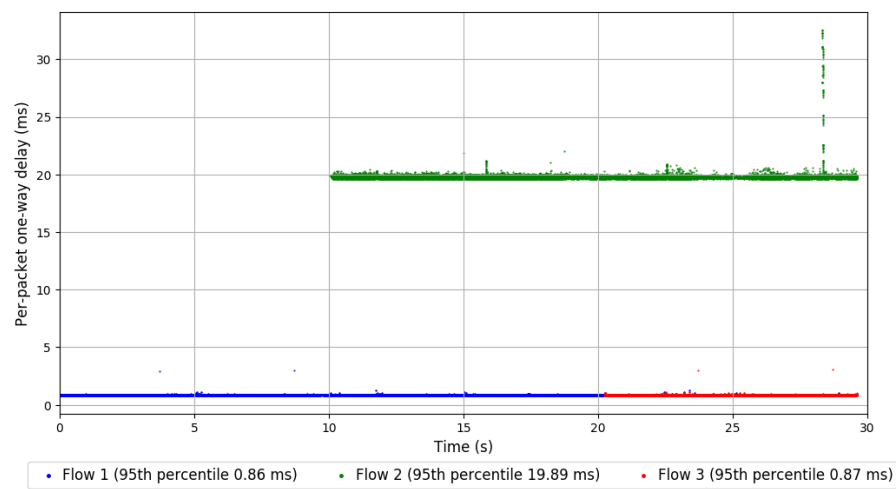
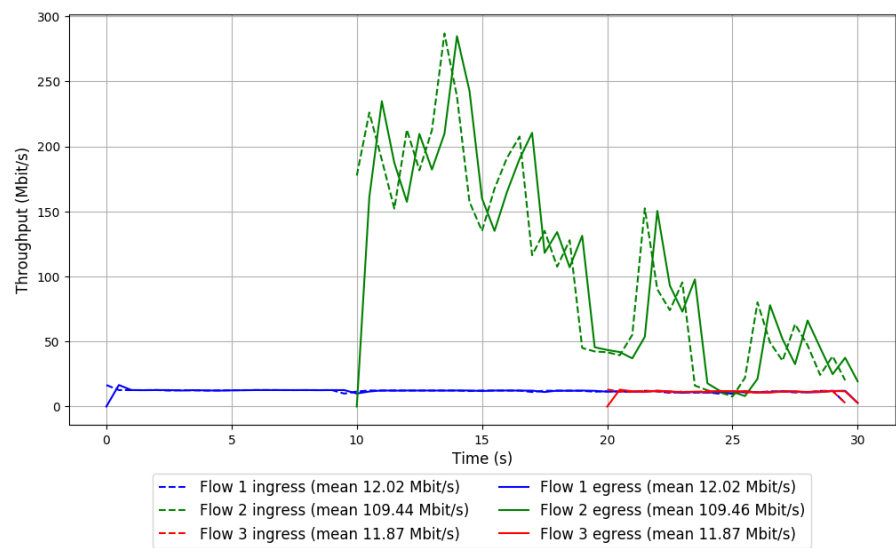
-- Flow 3:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 0.874 ms

Loss rate: 0.01%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

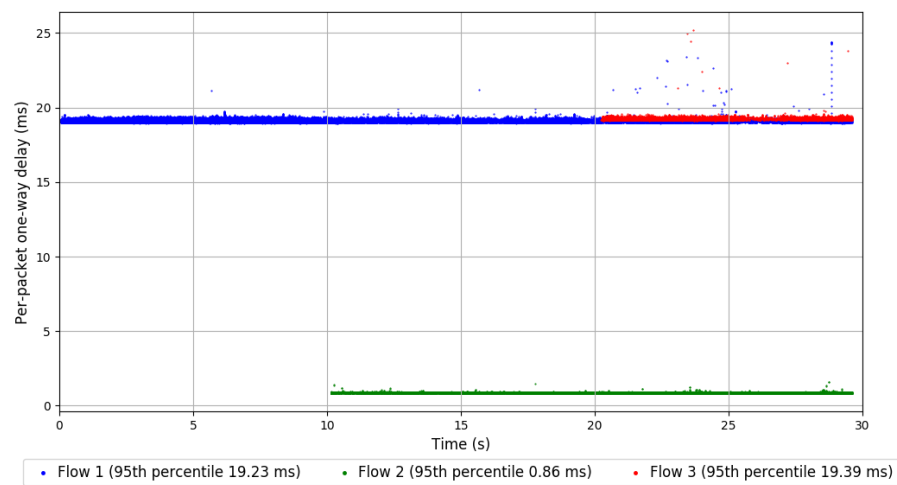
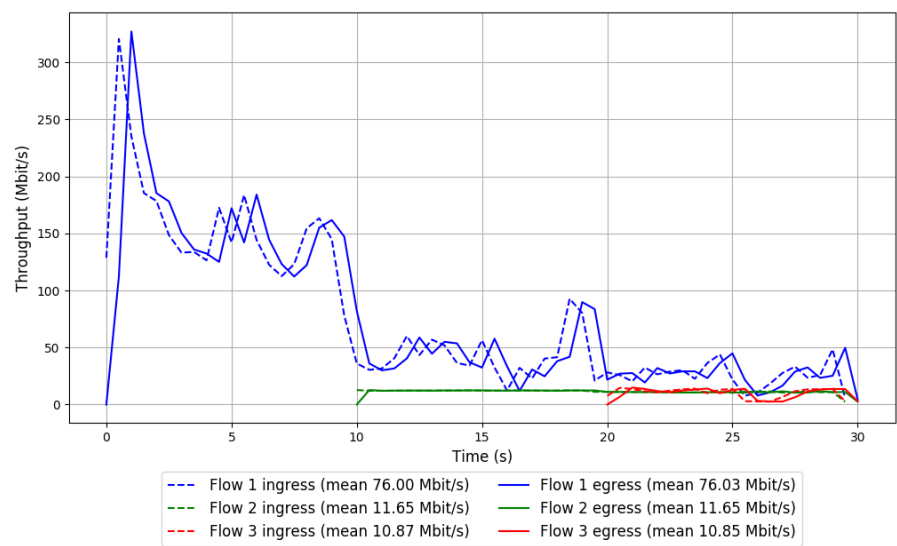


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 13:05:13
End at: 2019-10-03 13:05:43
Local clock offset: 4.14 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.03 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 0.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.26%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

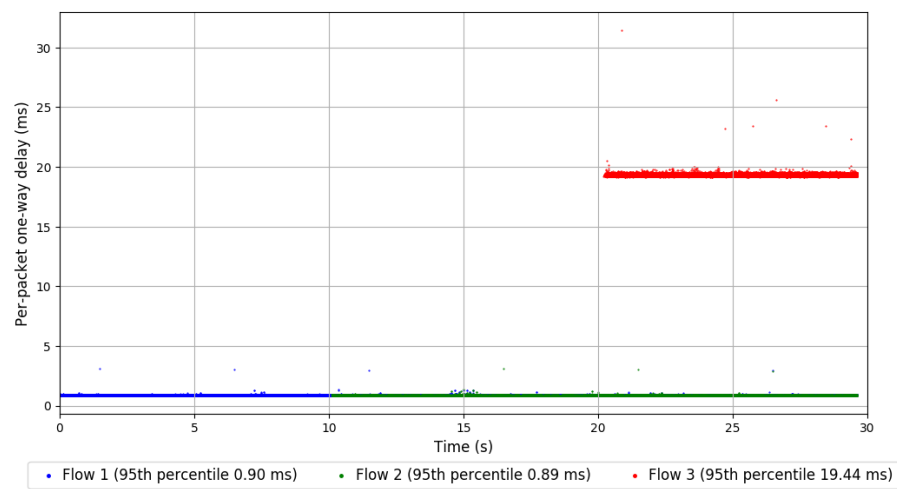
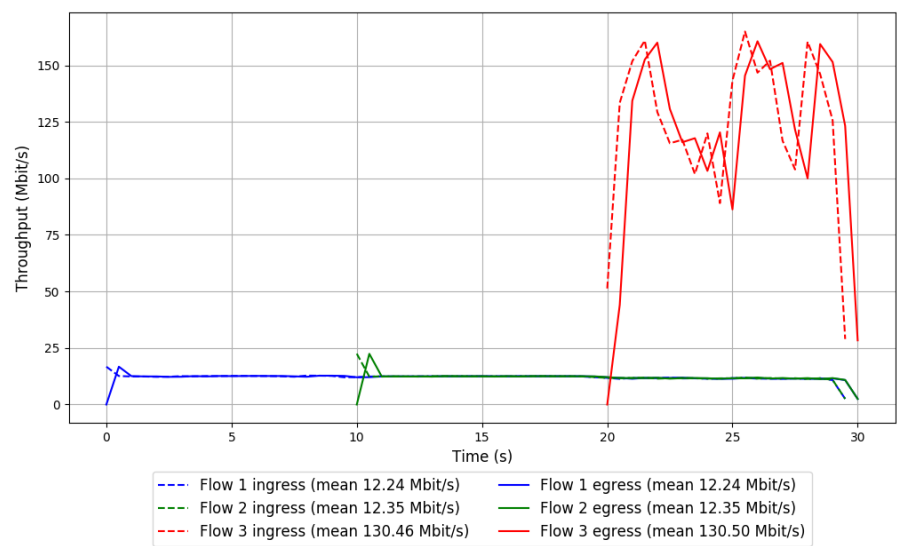


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 13:40:30
End at: 2019-10-03 13:41:00
Local clock offset: 4.424 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-10-03 14:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 12.24 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 0.885 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 130.50 Mbit/s
95th percentile per-packet one-way delay: 19.444 ms
Loss rate: 0.18%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

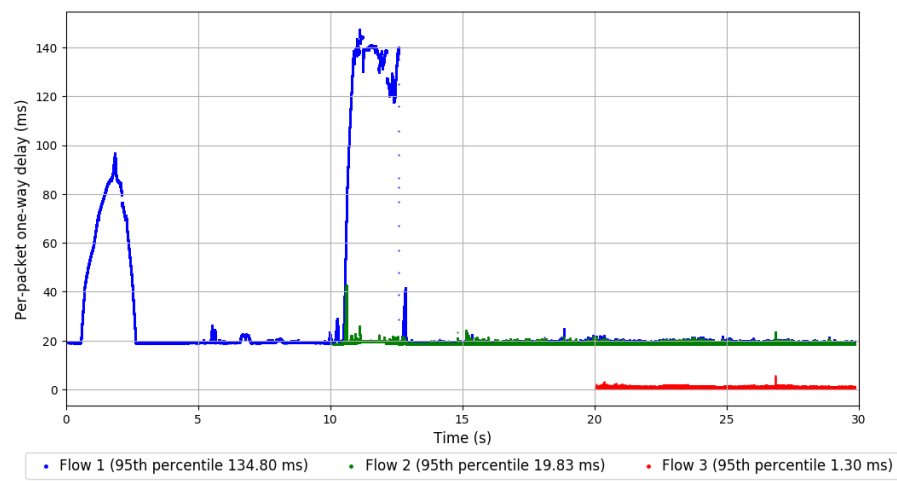
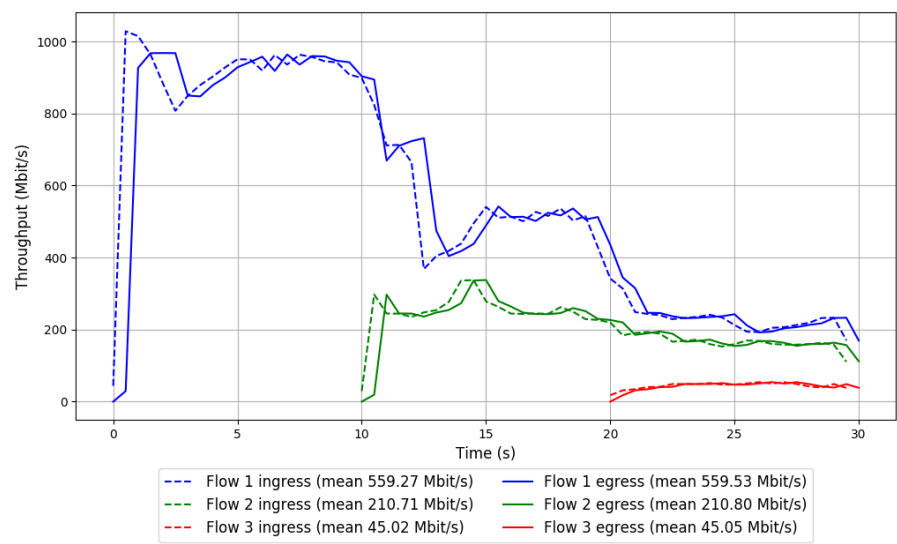


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-10-03 11:31:58
End at: 2019-10-03 11:32:28
Local clock offset: 4.042 ms
Remote clock offset: 0.404 ms

# Below is generated by plot.py at 2019-10-03 14:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 714.27 Mbit/s
95th percentile per-packet one-way delay: 126.067 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 559.53 Mbit/s
95th percentile per-packet one-way delay: 134.802 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 210.80 Mbit/s
95th percentile per-packet one-way delay: 19.832 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-10-03 12:07:25

End at: 2019-10-03 12:07:55

Local clock offset: 3.855 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2019-10-03 14:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 613.08 Mbit/s

95th percentile per-packet one-way delay: 19.077 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 478.76 Mbit/s

95th percentile per-packet one-way delay: 8.506 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 80.80 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.00%

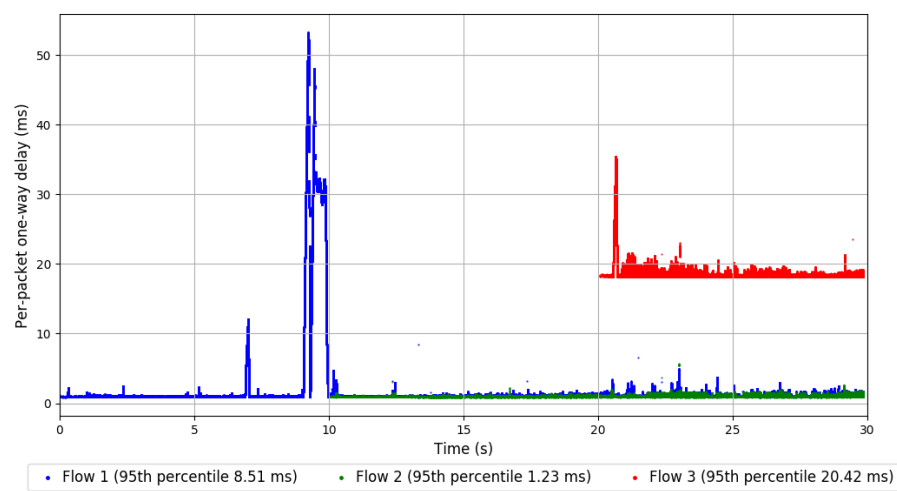
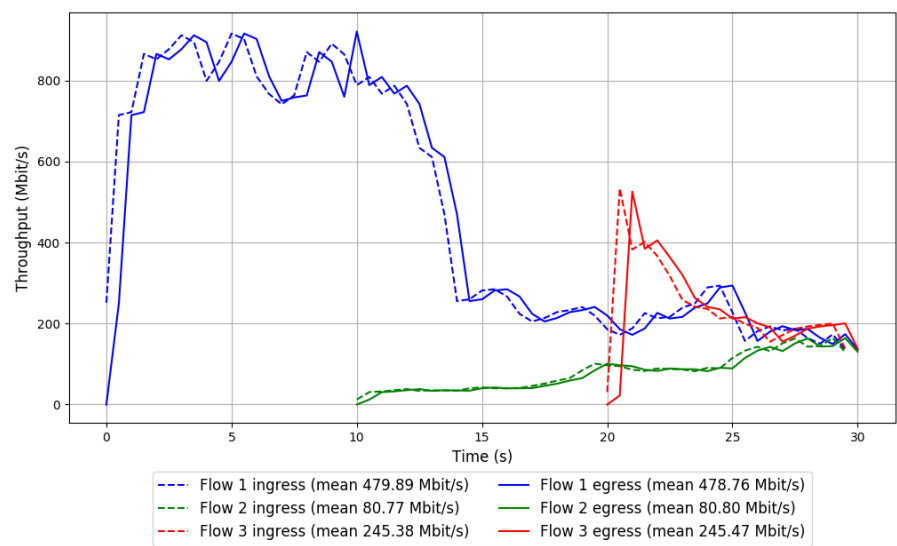
-- Flow 3:

Average throughput: 245.47 Mbit/s

95th percentile per-packet one-way delay: 20.423 ms

Loss rate: 0.15%

Run 2: Report of PCC-Allegro — Data Link

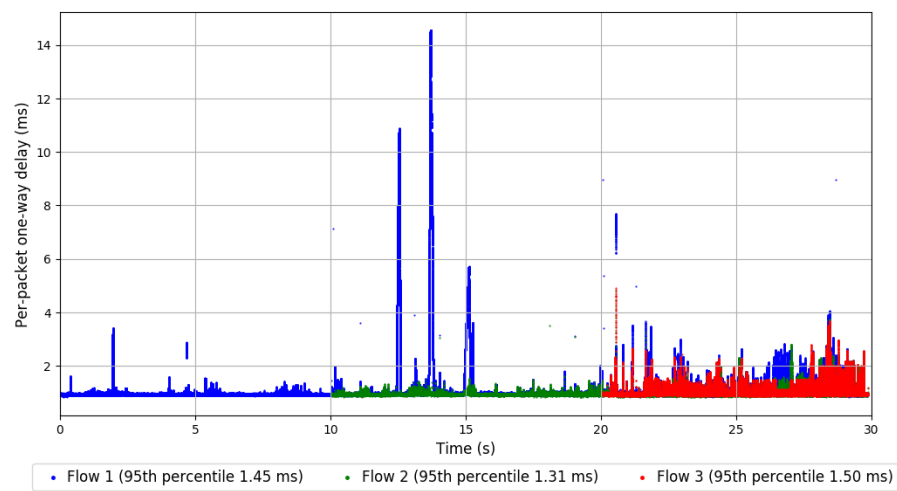
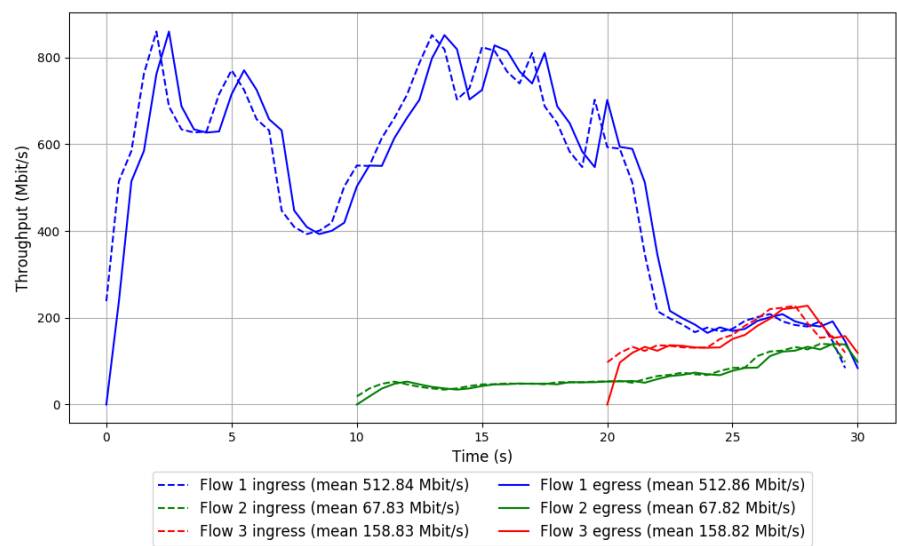


Run 3: Statistics of PCC-Allegro

Start at: 2019-10-03 12:42:39
End at: 2019-10-03 12:43:09
Local clock offset: 3.686 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-10-03 14:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 610.15 Mbit/s
95th percentile per-packet one-way delay: 1.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 512.86 Mbit/s
95th percentile per-packet one-way delay: 1.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 158.82 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.02%

Run 3: Report of PCC-Allegro — Data Link

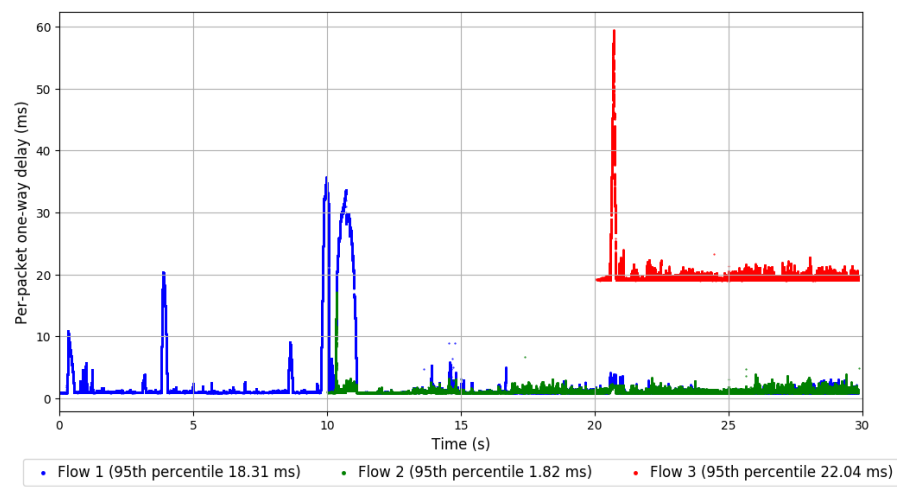
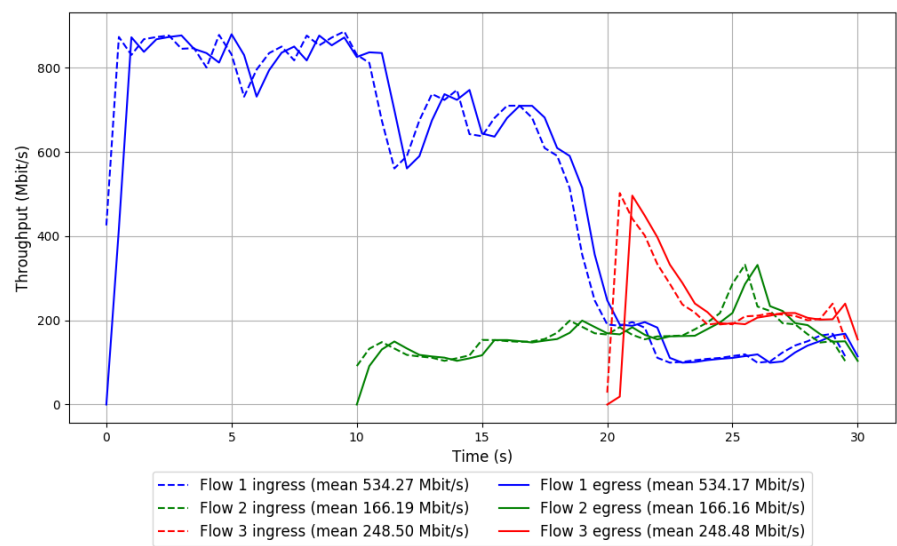


Run 4: Statistics of PCC-Allegro

Start at: 2019-10-03 13:18:05
End at: 2019-10-03 13:18:35
Local clock offset: 4.325 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-10-03 14:56:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 726.13 Mbit/s
95th percentile per-packet one-way delay: 20.119 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 534.17 Mbit/s
95th percentile per-packet one-way delay: 18.313 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 166.16 Mbit/s
95th percentile per-packet one-way delay: 1.819 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 248.48 Mbit/s
95th percentile per-packet one-way delay: 22.036 ms
Loss rate: 0.21%

Run 4: Report of PCC-Allegro — Data Link

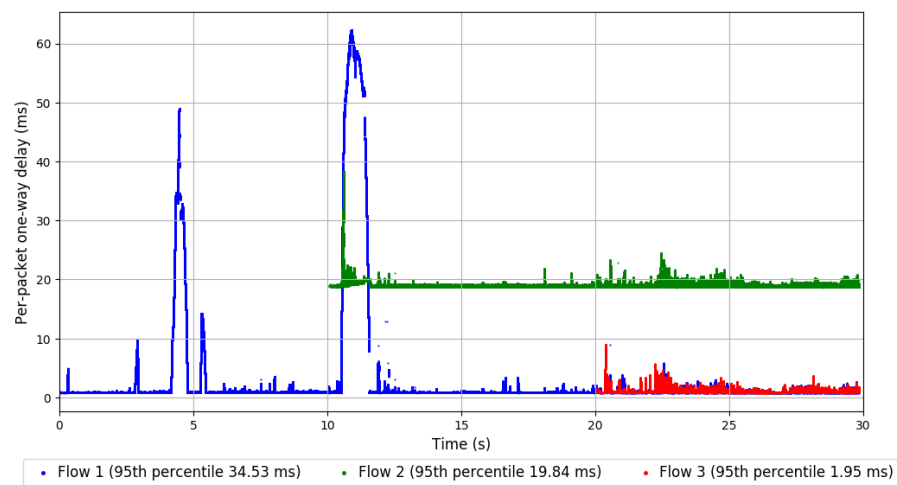
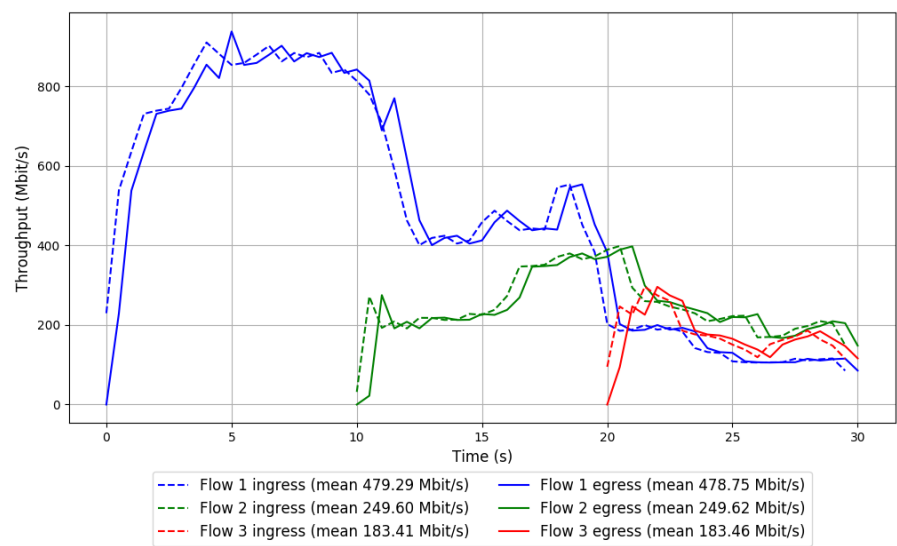


Run 5: Statistics of PCC-Allegro

Start at: 2019-10-03 13:53:27
End at: 2019-10-03 13:53:57
Local clock offset: 4.527 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-10-03 14:56:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 704.79 Mbit/s
95th percentile per-packet one-way delay: 22.865 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 478.75 Mbit/s
95th percentile per-packet one-way delay: 34.531 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 249.62 Mbit/s
95th percentile per-packet one-way delay: 19.844 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 183.46 Mbit/s
95th percentile per-packet one-way delay: 1.947 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

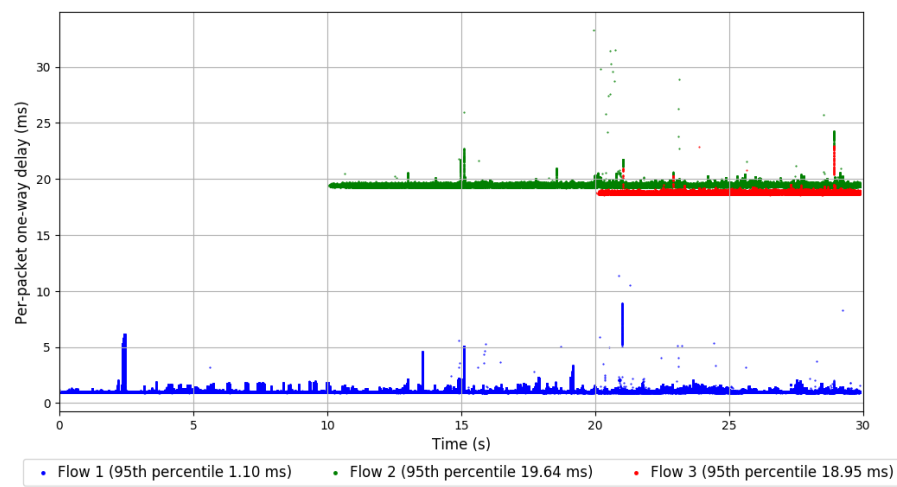
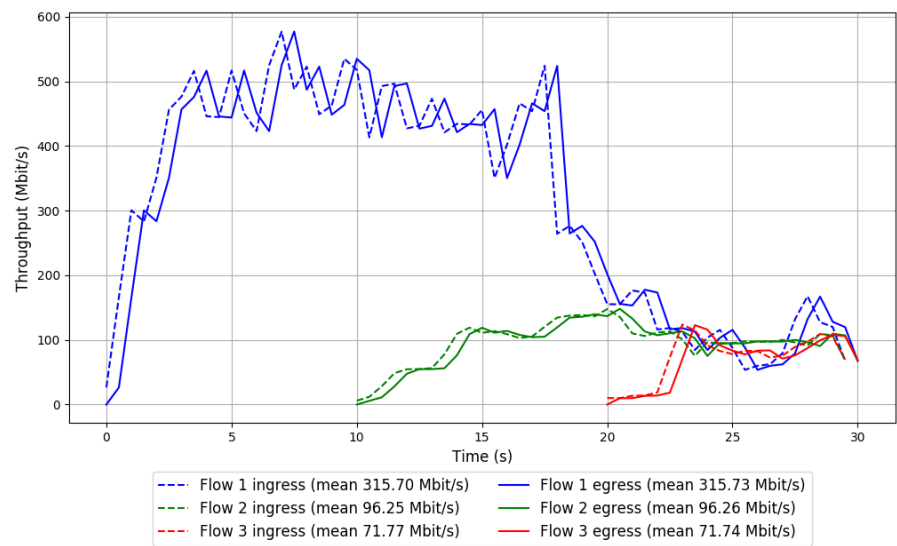


```
Run 1: Statistics of PCC-Expr

Start at: 2019-10-03 11:33:30
End at: 2019-10-03 11:34:00
Local clock offset: 4.031 ms
Remote clock offset: 0.342 ms

# Below is generated by plot.py at 2019-10-03 14:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.25 Mbit/s
95th percentile per-packet one-way delay: 19.477 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 315.73 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.29%
```

Run 1: Report of PCC-Expr — Data Link

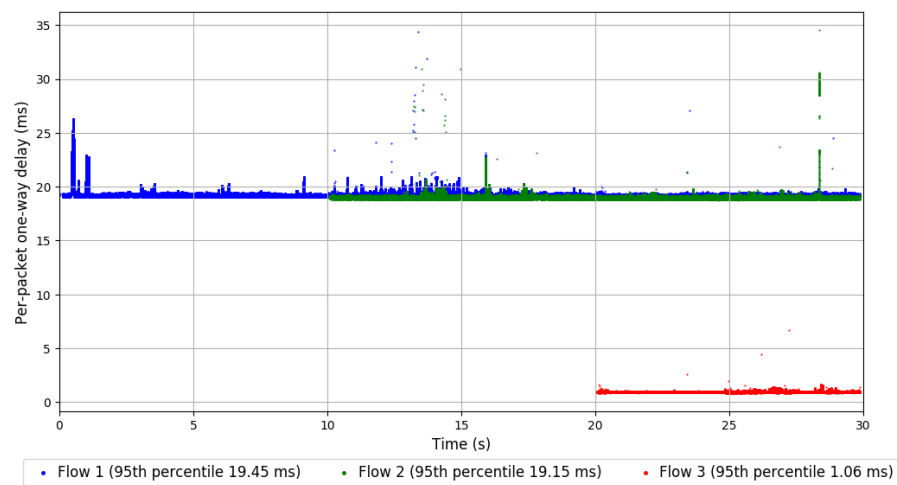
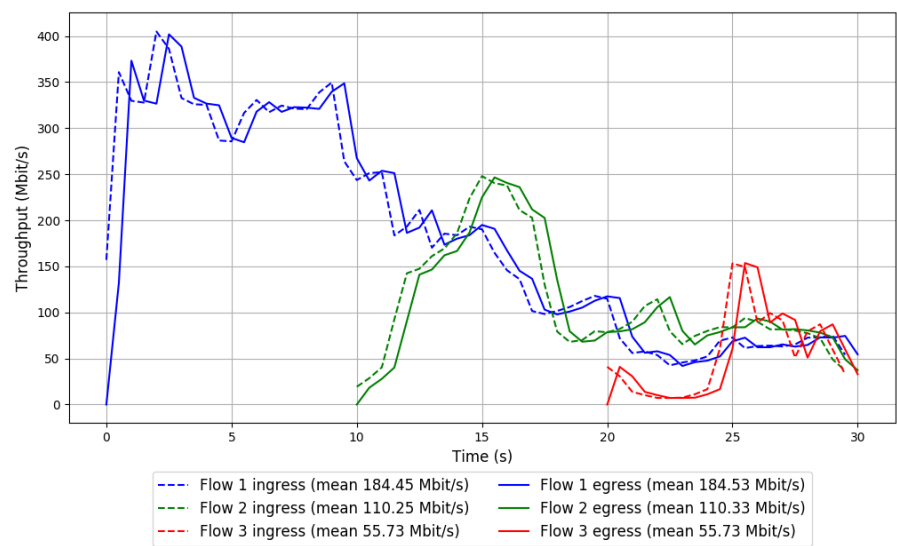



```
Run 2: Statistics of PCC-Expr

Start at: 2019-10-03 12:08:56
End at: 2019-10-03 12:09:26
Local clock offset: 3.809 ms
Remote clock offset: 0.083 ms

# Below is generated by plot.py at 2019-10-03 14:57:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.21 Mbit/s
95th percentile per-packet one-way delay: 19.370 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 184.53 Mbit/s
95th percentile per-packet one-way delay: 19.451 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 110.33 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link

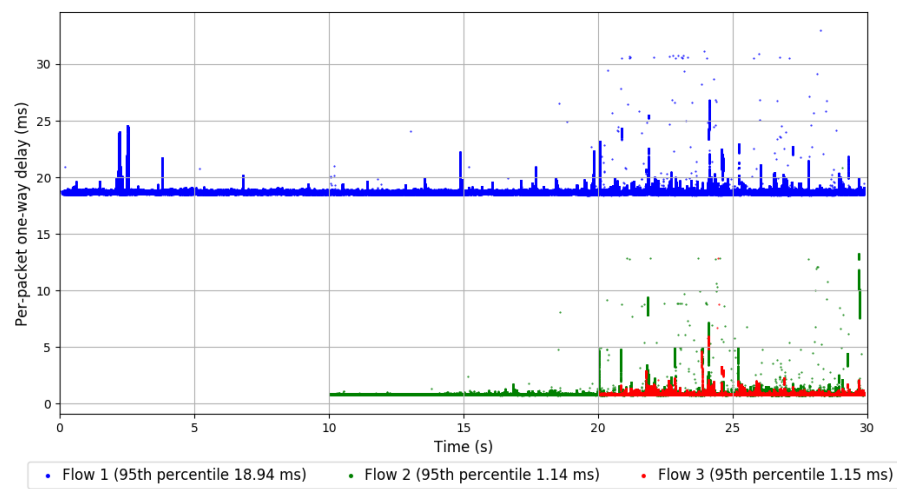
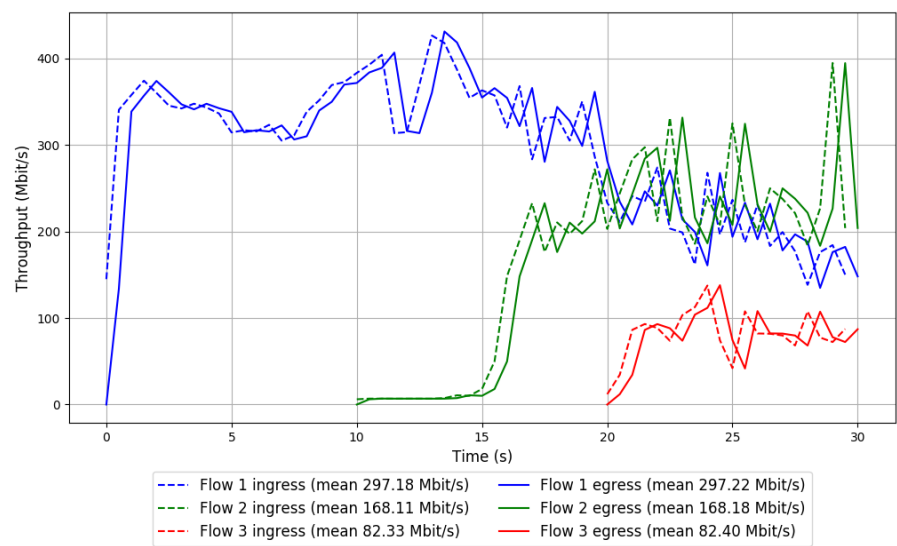


Run 3: Statistics of PCC-Expr

Start at: 2019-10-03 12:44:09
End at: 2019-10-03 12:44:39
Local clock offset: 3.66 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-10-03 14:59:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.18 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 297.22 Mbit/s
95th percentile per-packet one-way delay: 18.938 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 168.18 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 82.40 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.03%

Run 3: Report of PCC-Expr — Data Link

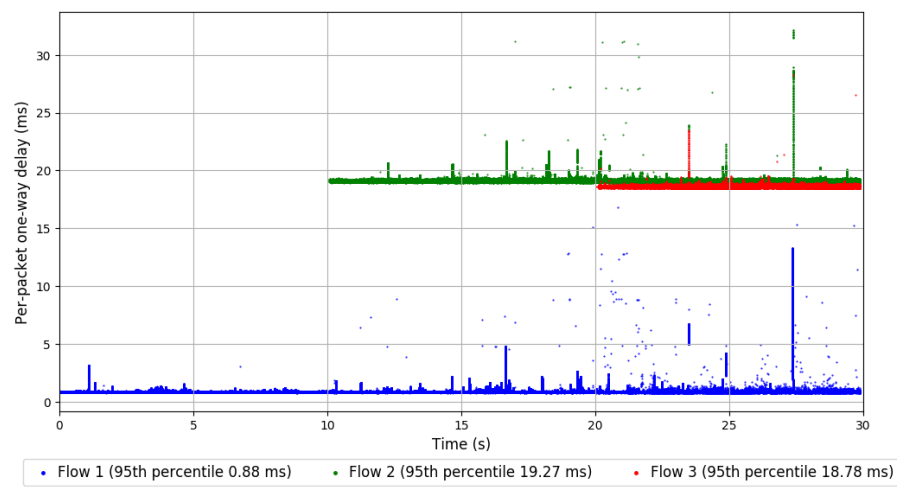
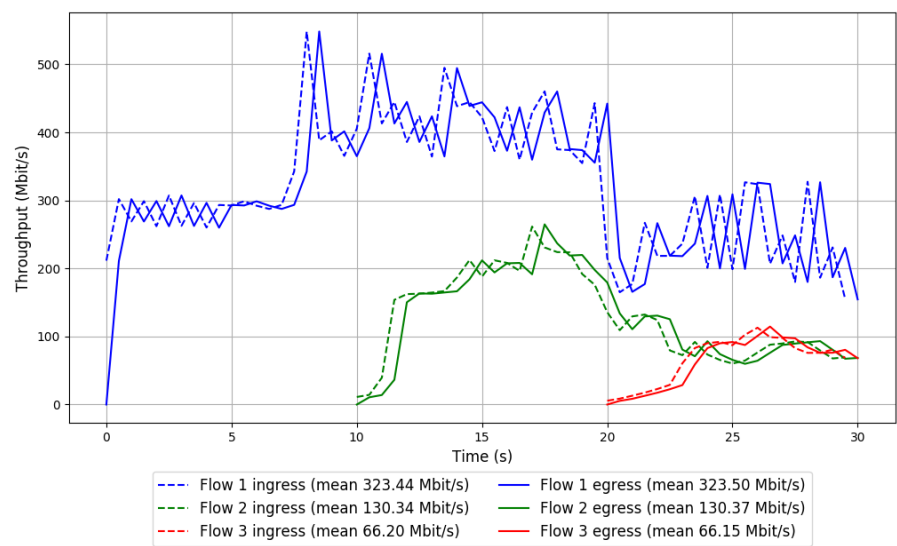


Run 4: Statistics of PCC-Expr

Start at: 2019-10-03 13:19:38
End at: 2019-10-03 13:20:08
Local clock offset: 4.306 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.94 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 323.50 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 130.37 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: 18.779 ms
Loss rate: 0.27%

Run 4: Report of PCC-Expr — Data Link

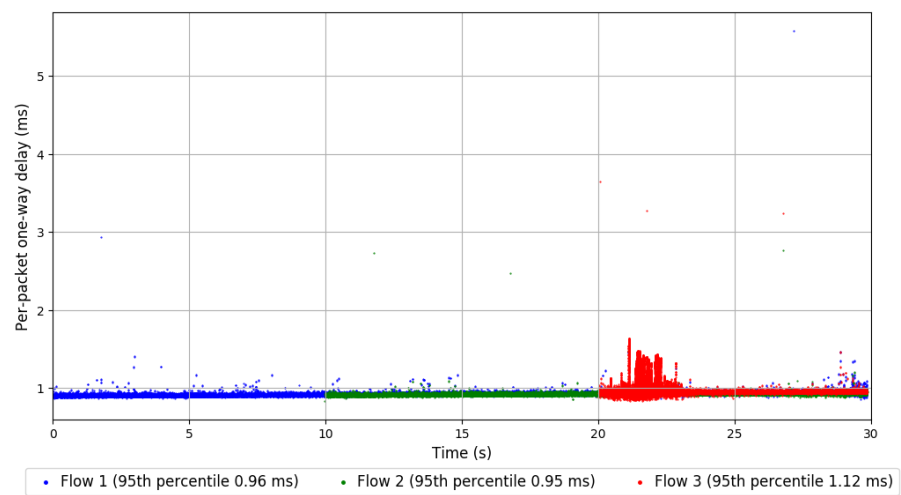
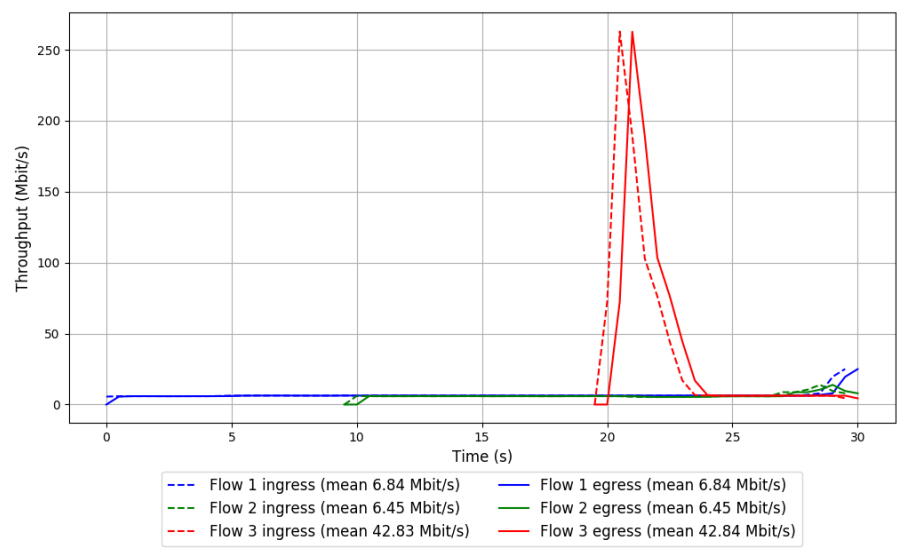


Run 5: Statistics of PCC-Expr

Start at: 2019-10-03 13:55:00
End at: 2019-10-03 13:55:30
Local clock offset: 4.506 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-10-03 11:35:07

End at: 2019-10-03 11:35:37

Local clock offset: 3.98 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2019-10-03 15:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.91 Mbit/s

95th percentile per-packet one-way delay: 18.417 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 18.454 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.01%

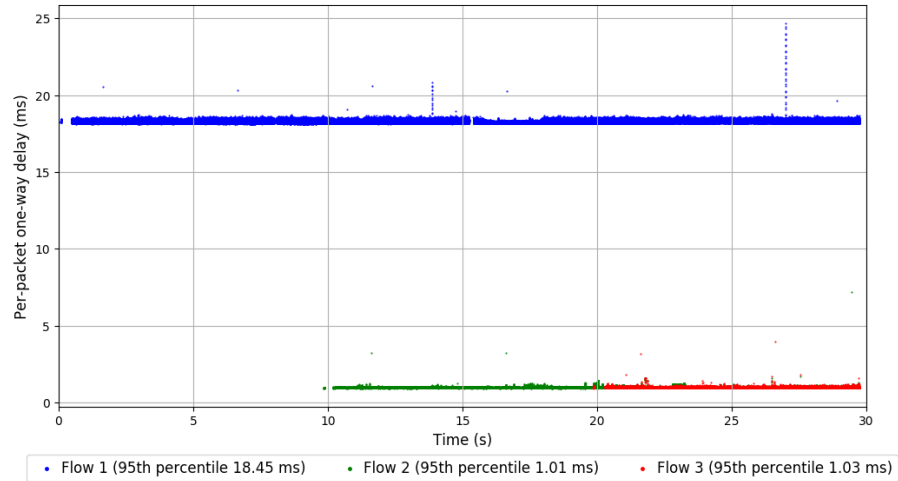
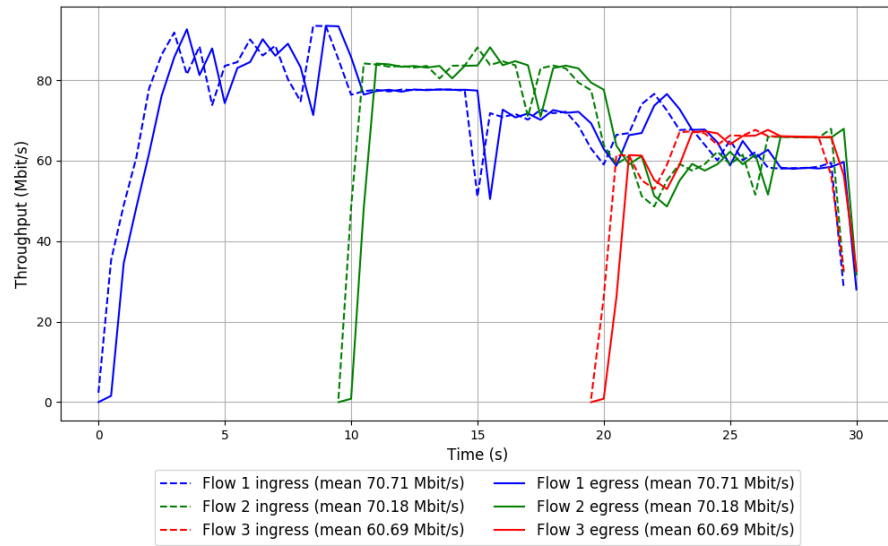
-- Flow 3:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 1.034 ms

Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-10-03 12:10:28

End at: 2019-10-03 12:10:58

Local clock offset: 3.818 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2019-10-03 15:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.66 Mbit/s

95th percentile per-packet one-way delay: 19.795 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 74.65 Mbit/s

95th percentile per-packet one-way delay: 0.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.29 Mbit/s

95th percentile per-packet one-way delay: 19.857 ms

Loss rate: 0.10%

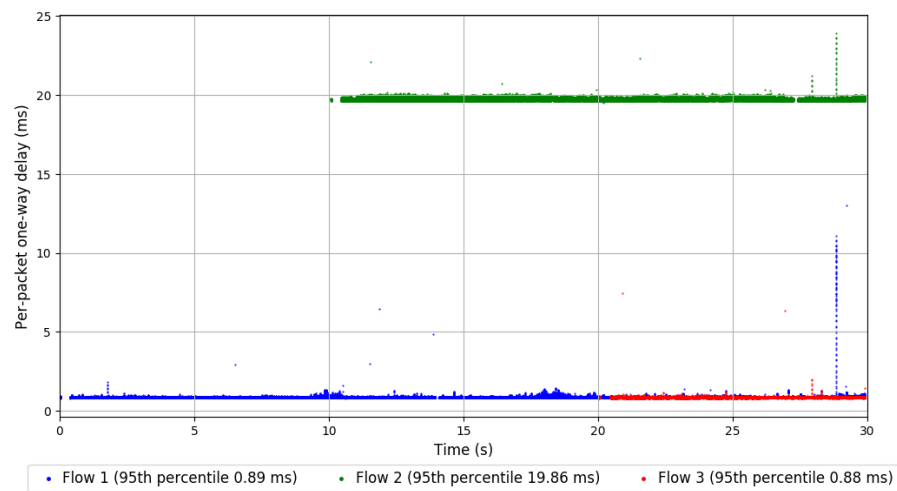
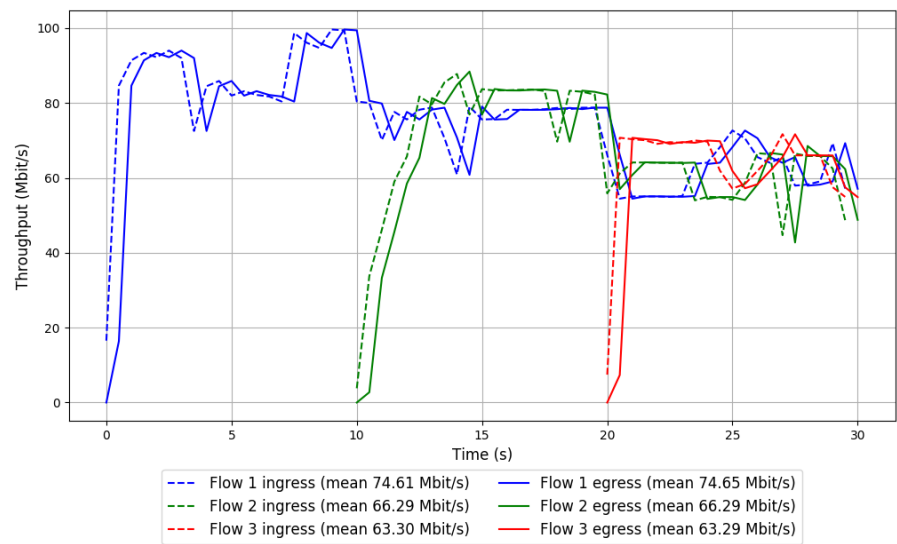
-- Flow 3:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 0.875 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link

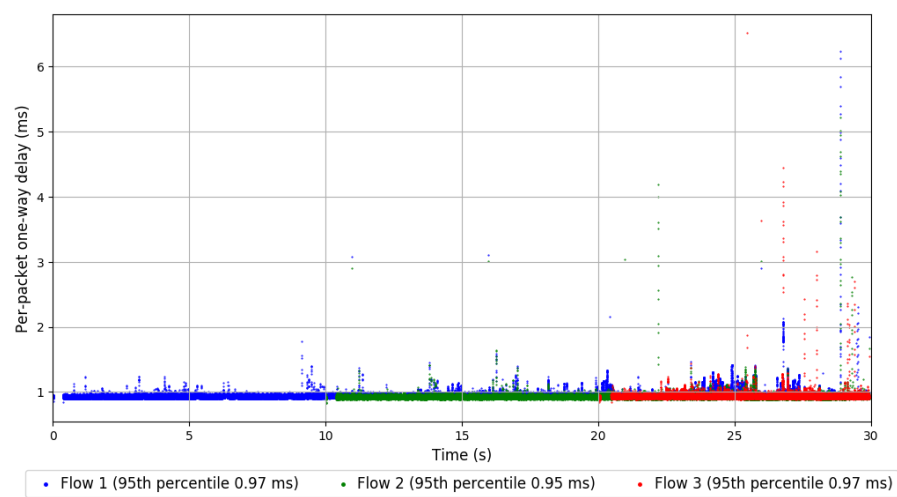
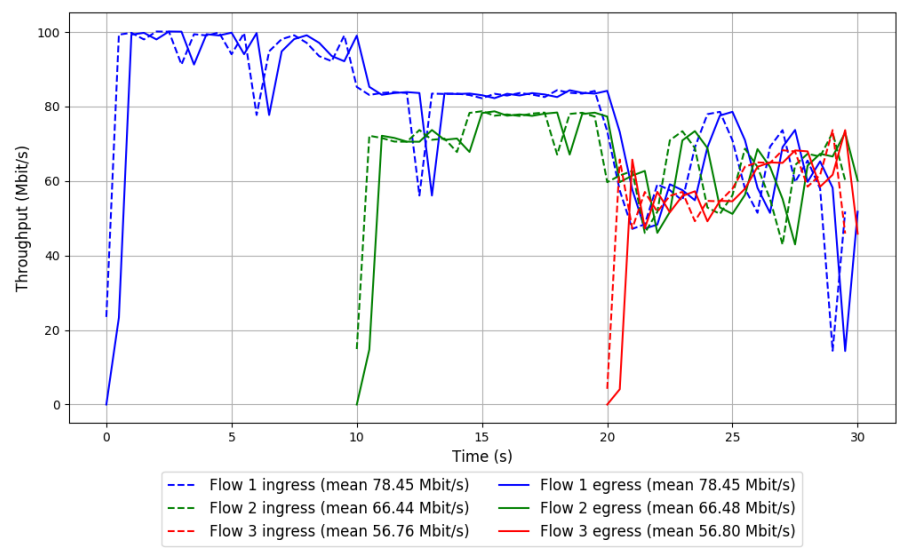


Run 3: Statistics of QUIC Cubic

Start at: 2019-10-03 12:45:48
End at: 2019-10-03 12:46:18
Local clock offset: 3.676 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.49 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link

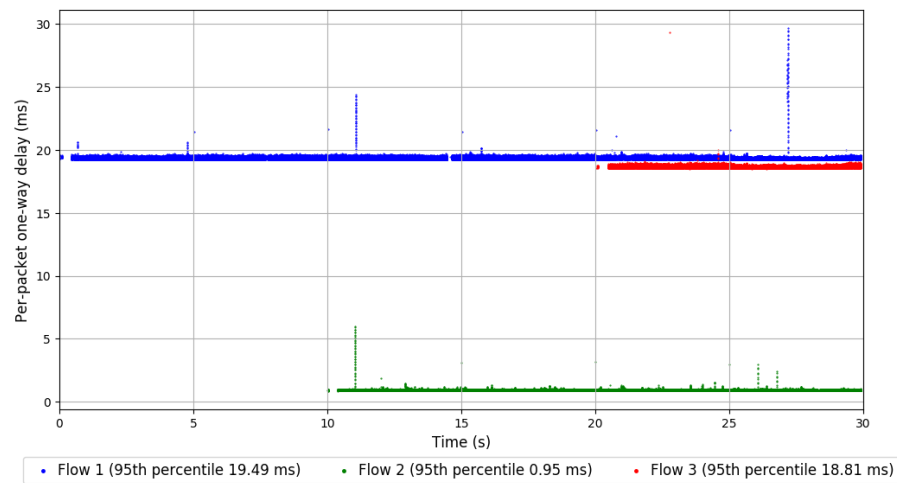
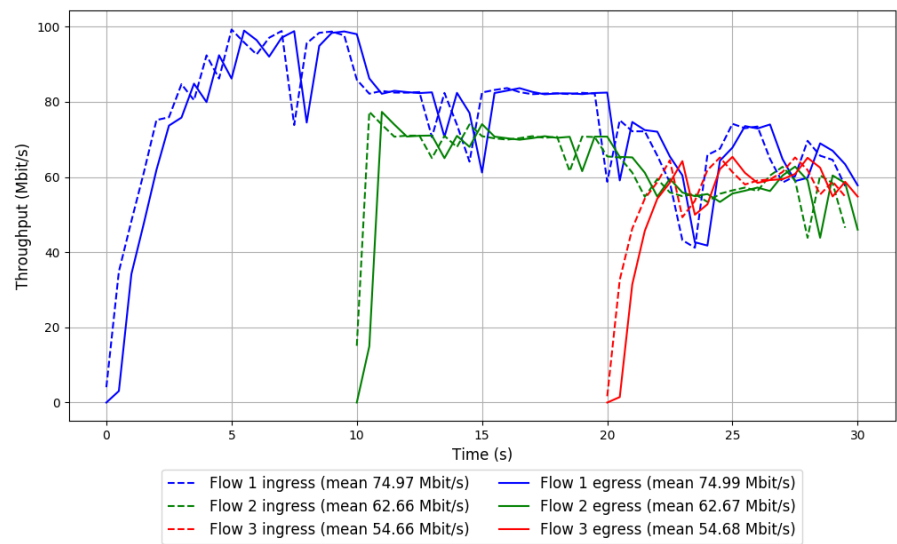


Run 4: Statistics of QUIC Cubic

Start at: 2019-10-03 13:21:16
End at: 2019-10-03 13:21:46
Local clock offset: 4.342 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.79 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 0.946 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link

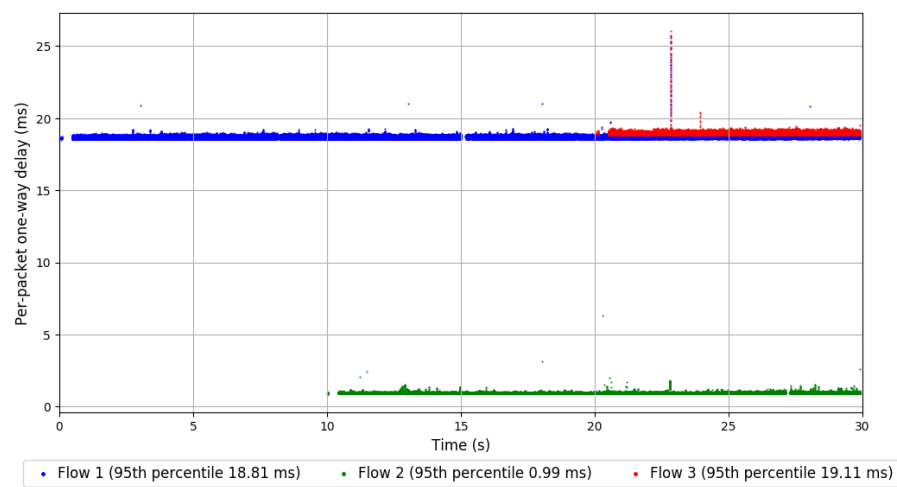
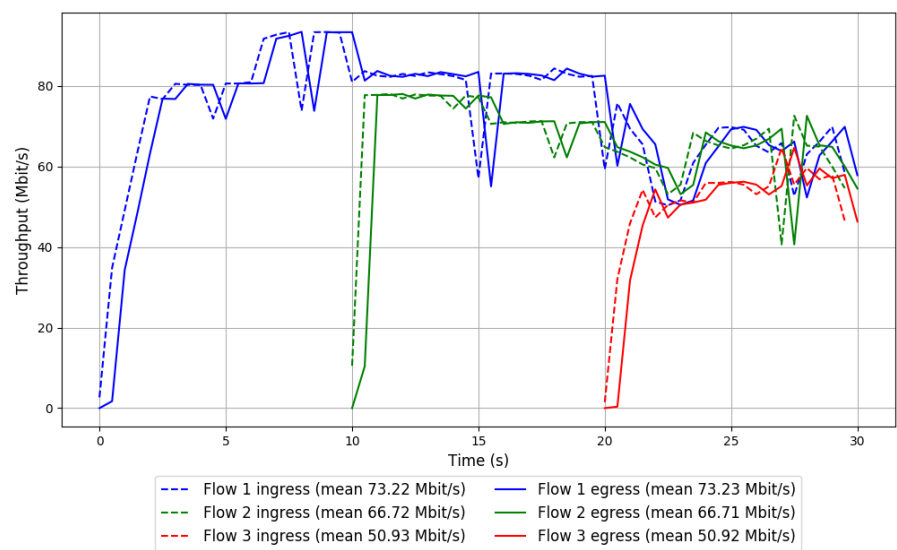


Run 5: Statistics of QUIC Cubic

Start at: 2019-10-03 13:56:17
End at: 2019-10-03 13:56:47
Local clock offset: 4.401 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.43 Mbit/s
95th percentile per-packet one-way delay: 18.984 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 18.808 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 66.71 Mbit/s
95th percentile per-packet one-way delay: 0.988 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.22%

Run 5: Report of QUIC Cubic — Data Link

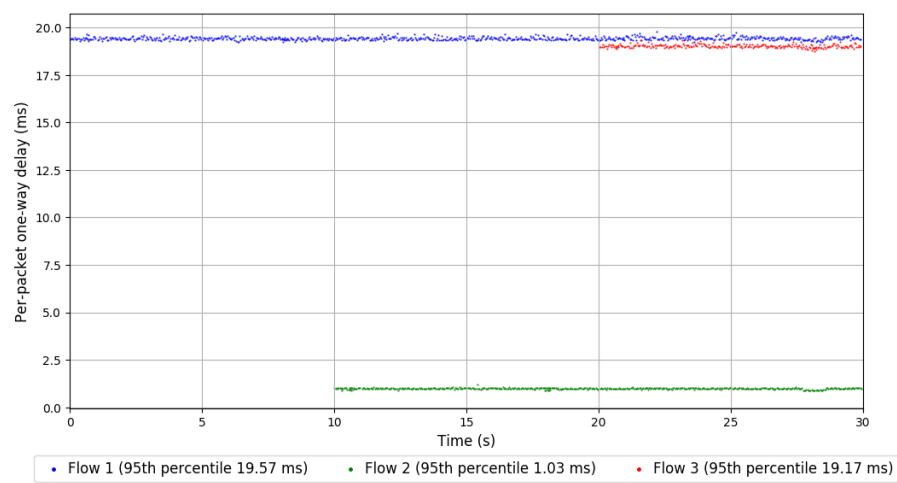
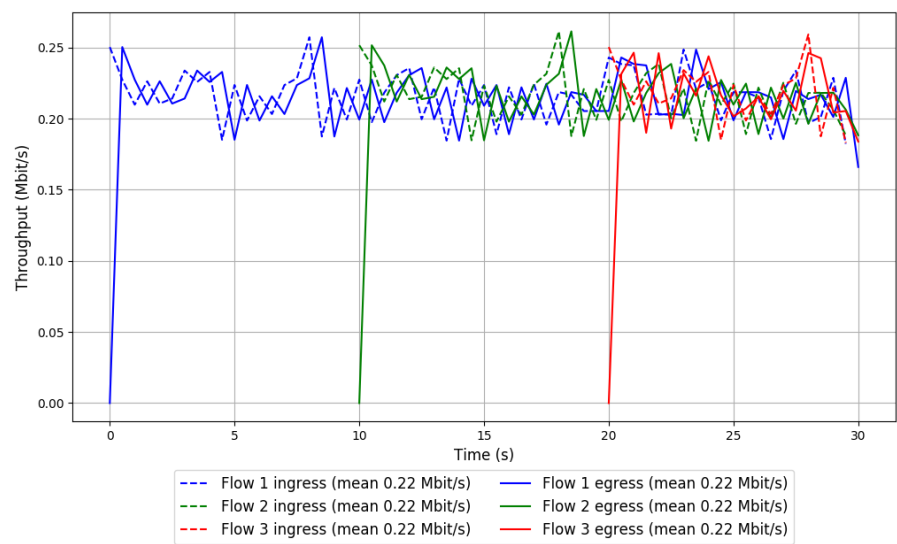


```
Run 1: Statistics of SReAM

Start at: 2019-10-03 11:21:41
End at: 2019-10-03 11:22:11
Local clock offset: 4.167 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2019-10-03 15:03:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.36%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2019-10-03 11:57:06

End at: 2019-10-03 11:57:36

Local clock offset: 3.883 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-10-03 15:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.044 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.077 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.931 ms

Loss rate: 0.19%

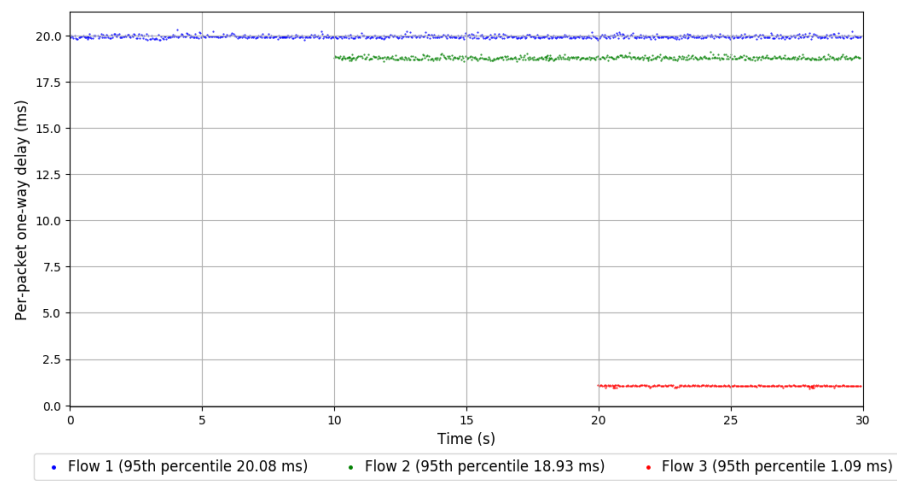
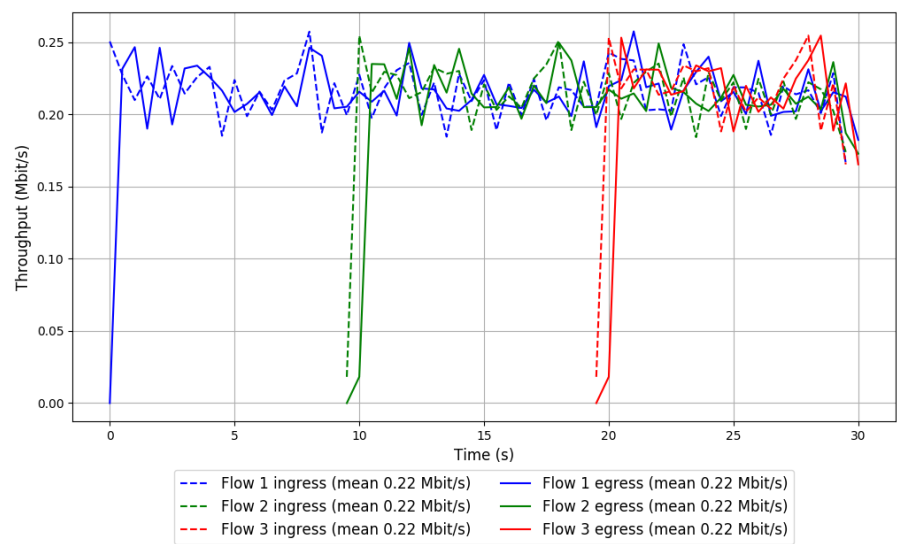
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.00%

Run 2: Report of SCSReAM — Data Link

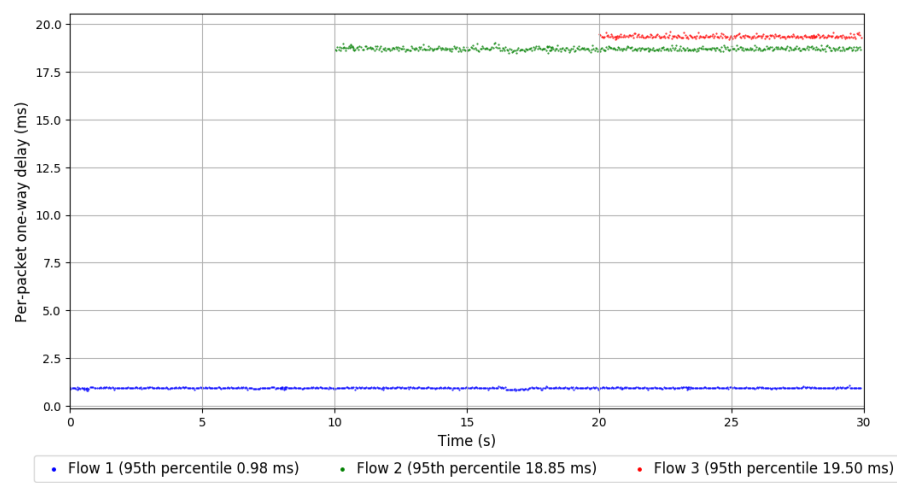
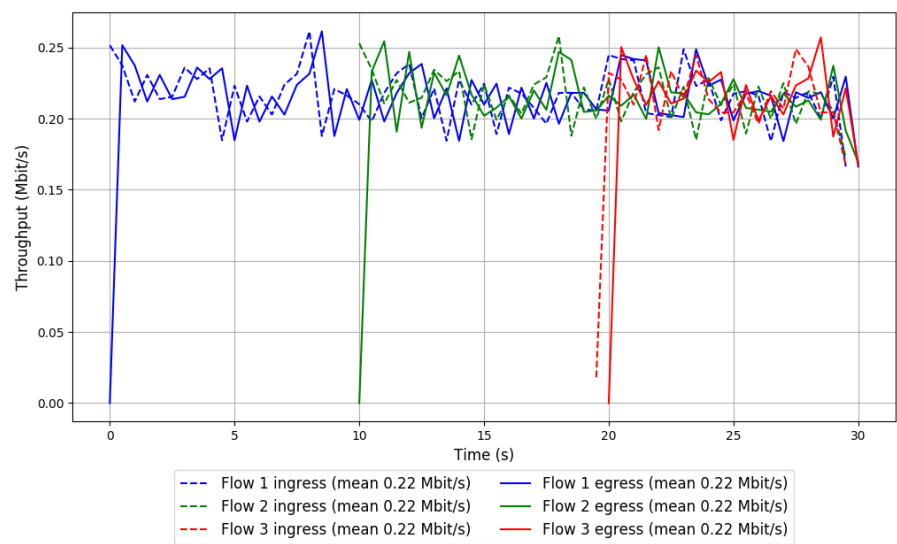


Run 3: Statistics of SReAM

Start at: 2019-10-03 12:32:22
End at: 2019-10-03 12:32:52
Local clock offset: 3.677 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.499 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

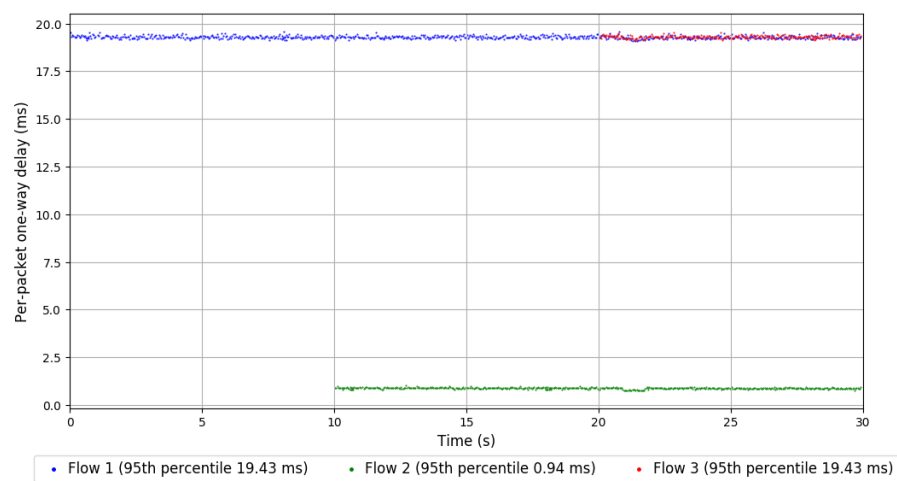
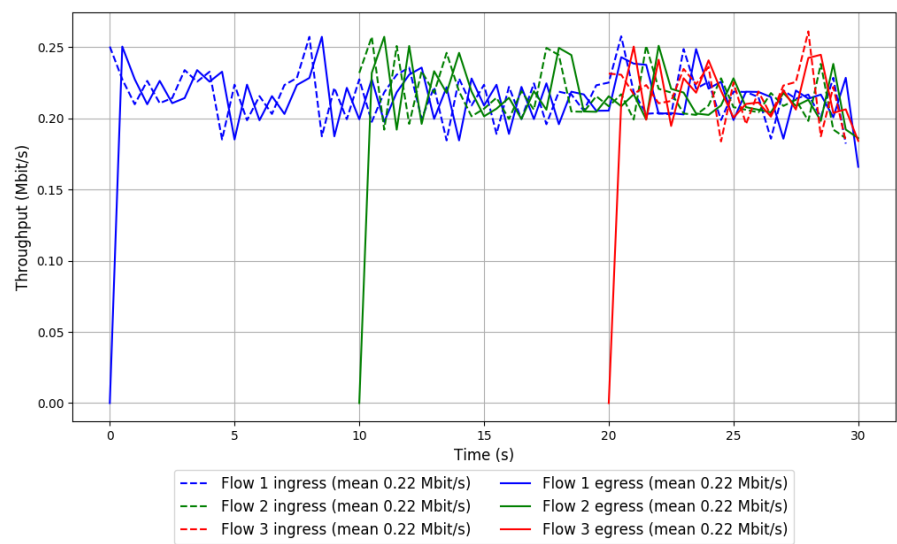


Run 4: Statistics of SReAM

Start at: 2019-10-03 13:07:48
End at: 2019-10-03 13:08:18
Local clock offset: 4.174 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.435 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.435 ms
Loss rate: 0.35%

Run 4: Report of SCReAM — Data Link

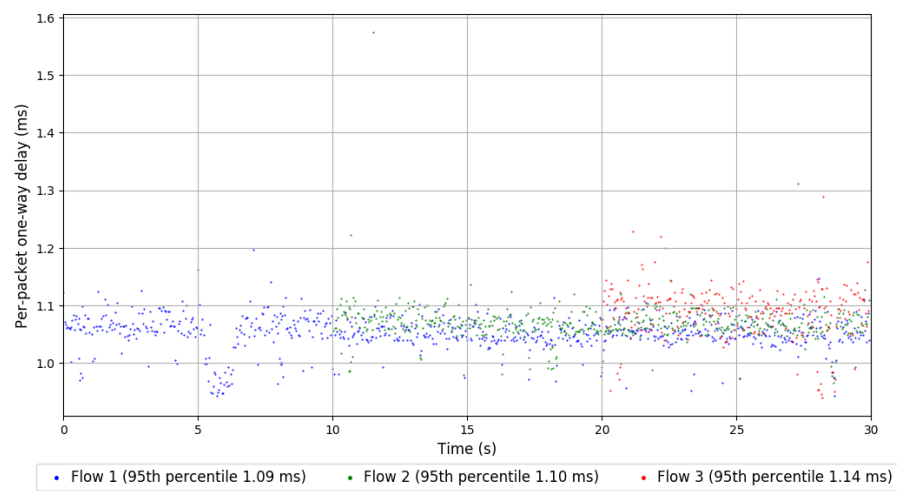
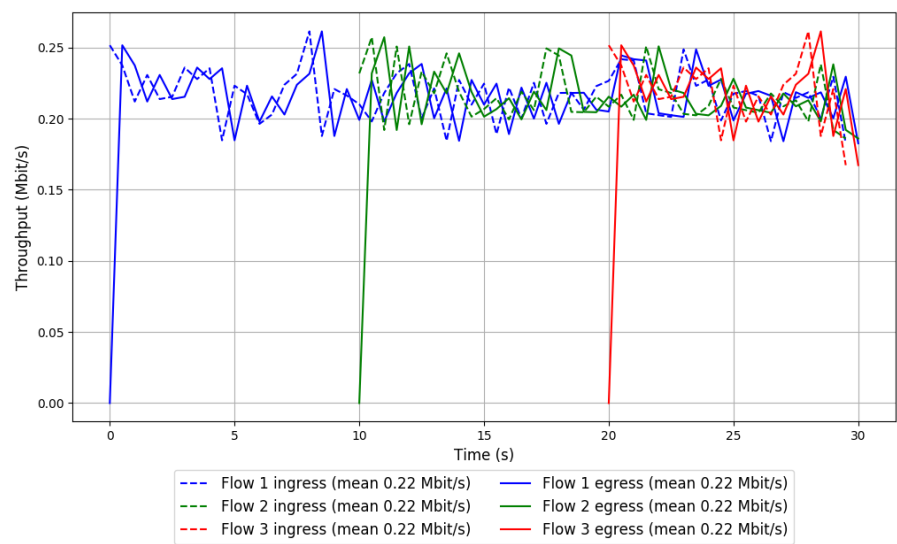


Run 5: Statistics of SReAM

Start at: 2019-10-03 13:43:03
End at: 2019-10-03 13:43:33
Local clock offset: 4.477 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

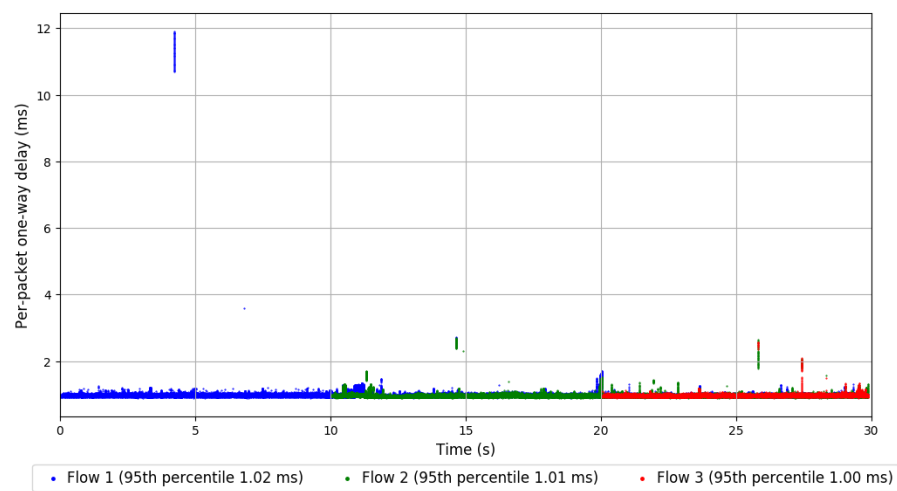
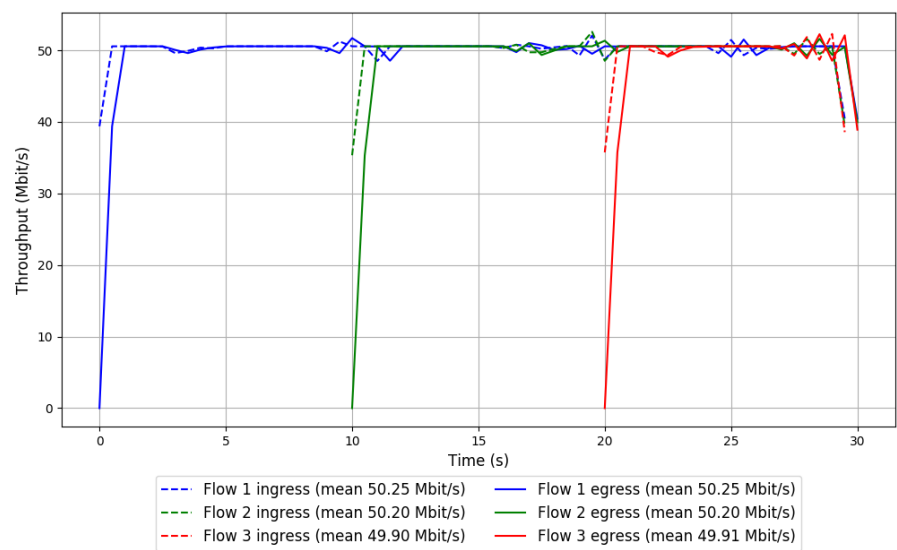


Run 1: Statistics of Sprout

Start at: 2019-10-03 11:05:58
End at: 2019-10-03 11:06:28
Local clock offset: 4.113 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.01 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-10-03 11:40:53

End at: 2019-10-03 11:41:23

Local clock offset: 3.955 ms

Remote clock offset: 0.665 ms

Below is generated by plot.py at 2019-10-03 15:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: 18.972 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 18.329 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.98 Mbit/s

95th percentile per-packet one-way delay: 19.035 ms

Loss rate: 0.00%

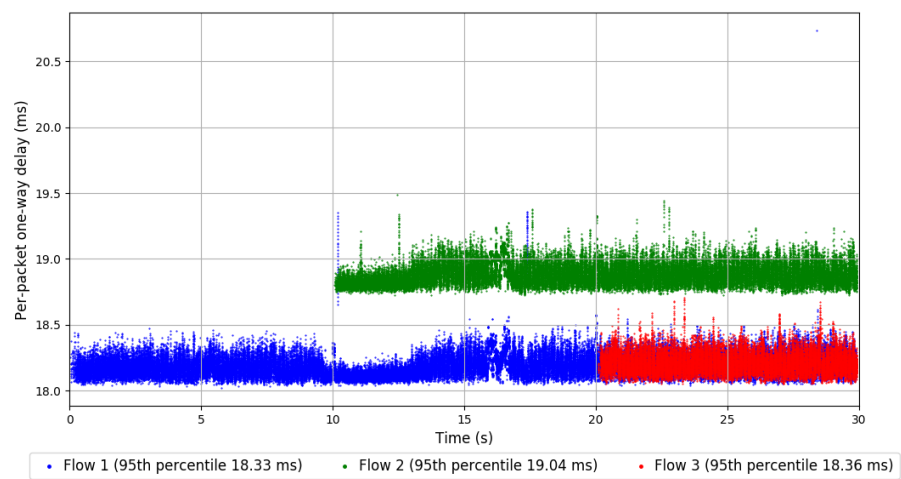
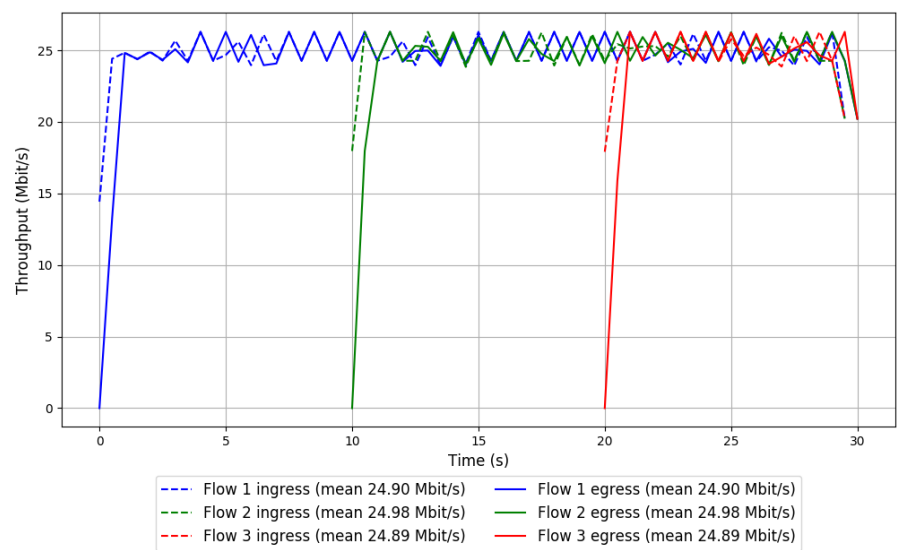
-- Flow 3:

Average throughput: 24.89 Mbit/s

95th percentile per-packet one-way delay: 18.355 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-10-03 12:16:17

End at: 2019-10-03 12:16:47

Local clock offset: 3.802 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2019-10-03 15:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.44 Mbit/s

95th percentile per-packet one-way delay: 19.857 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 19.292 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 19.924 ms

Loss rate: 0.09%

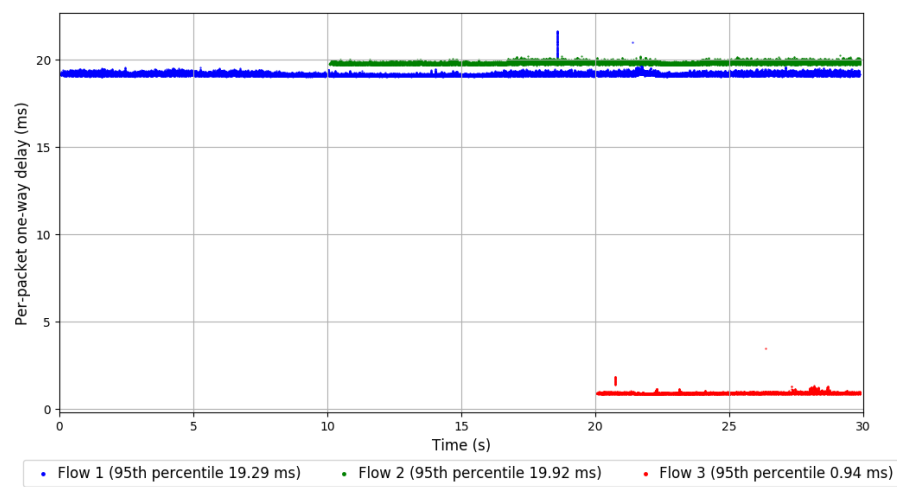
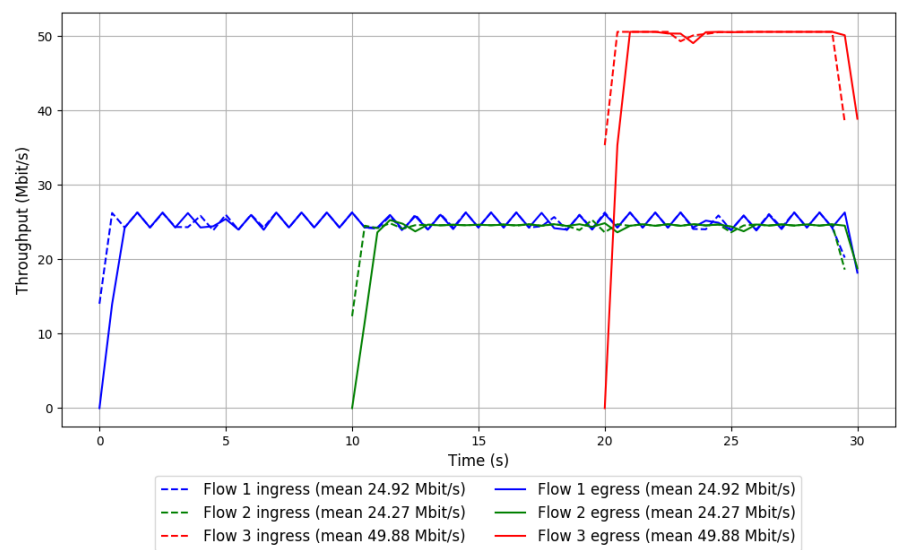
-- Flow 3:

Average throughput: 49.88 Mbit/s

95th percentile per-packet one-way delay: 0.940 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

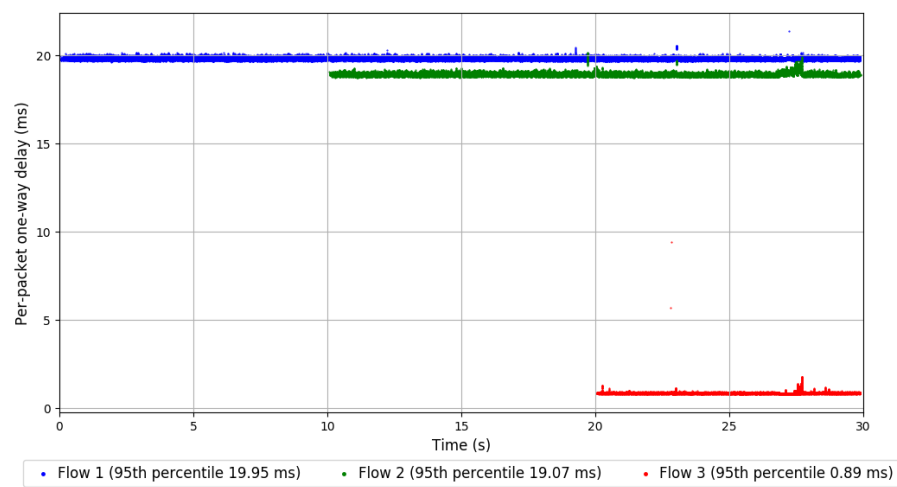
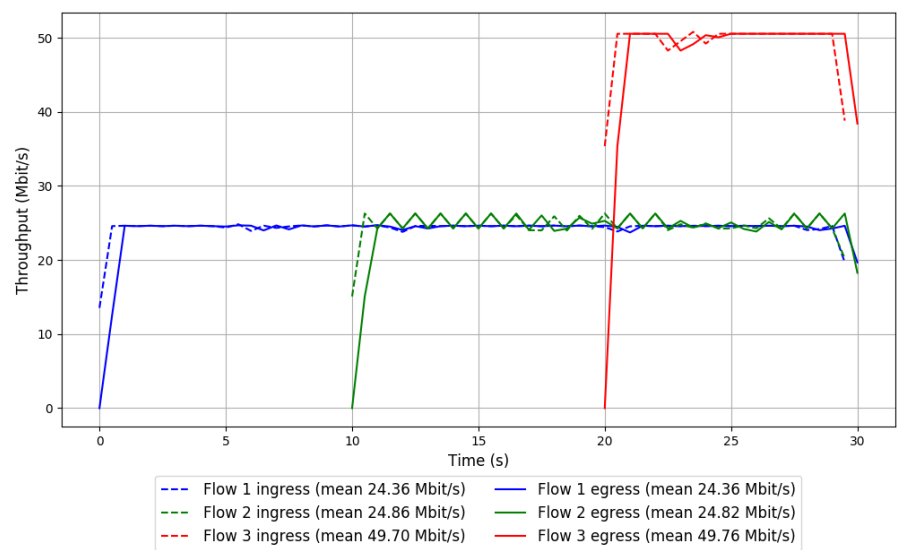


Run 4: Statistics of Sprout

Start at: 2019-10-03 12:51:42
End at: 2019-10-03 12:52:12
Local clock offset: 3.661 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2019-10-03 15:03:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 19.910 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 19.953 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 0.892 ms
Loss rate: 0.04%
```

Run 4: Report of Sprout — Data Link

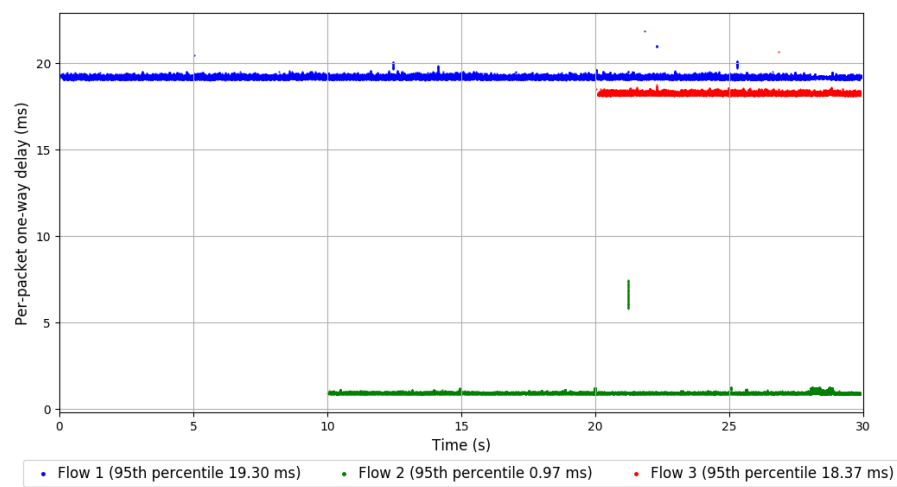
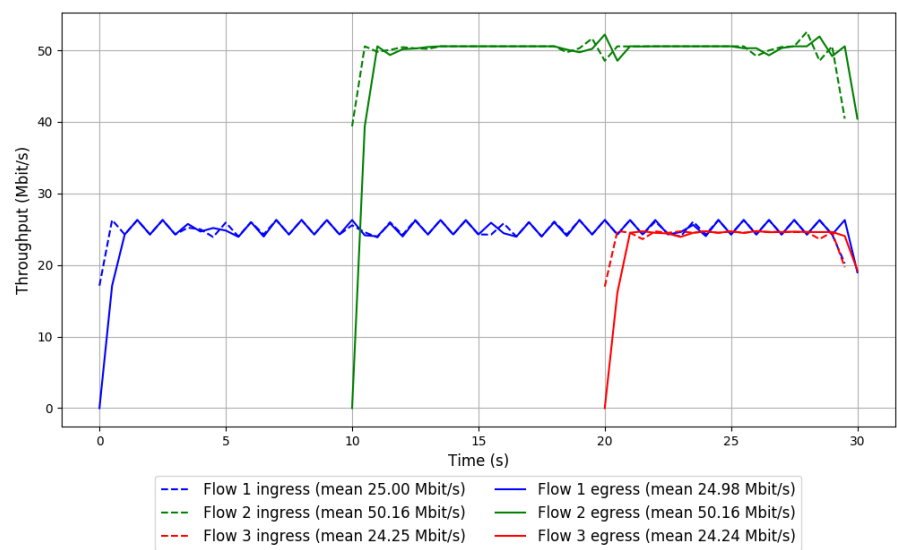


Run 5: Statistics of Sprout

Start at: 2019-10-03 13:27:10
End at: 2019-10-03 13:27:41
Local clock offset: 4.378 ms
Remote clock offset: -0.068 ms

```
# Below is generated by plot.py at 2019-10-03 15:03:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.34 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 18.366 ms
Loss rate: 0.20%
```

Run 5: Report of Sprout — Data Link

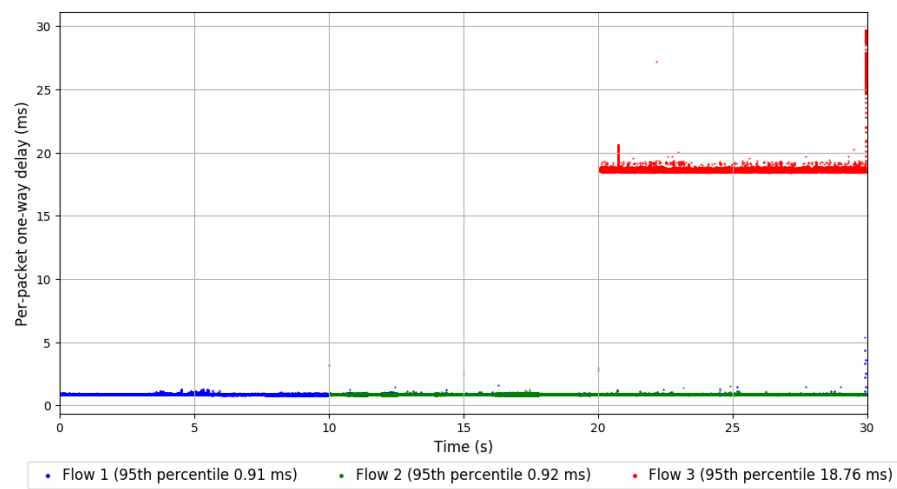
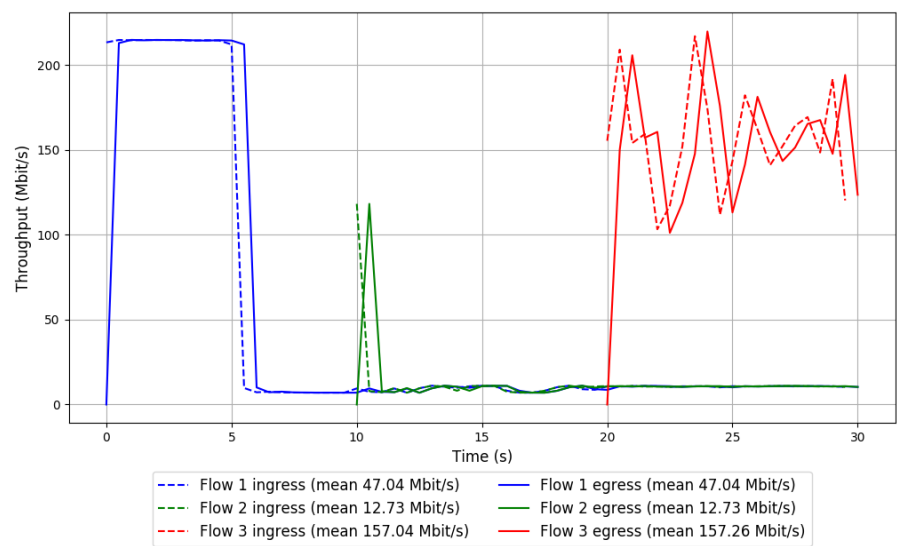


Run 1: Statistics of TaoVA-100x

Start at: 2019-10-03 11:08:47
End at: 2019-10-03 11:09:17
Local clock offset: 4.116 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2019-10-03 15:03:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.64 Mbit/s
95th percentile per-packet one-way delay: 18.717 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.04 Mbit/s
95th percentile per-packet one-way delay: 0.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 0.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.26 Mbit/s
95th percentile per-packet one-way delay: 18.757 ms
Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-10-03 11:43:41

End at: 2019-10-03 11:44:11

Local clock offset: 3.928 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2019-10-03 15:04:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.85 Mbit/s

95th percentile per-packet one-way delay: 19.232 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 183.80 Mbit/s

95th percentile per-packet one-way delay: 18.404 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 165.68 Mbit/s

95th percentile per-packet one-way delay: 19.289 ms

Loss rate: 0.06%

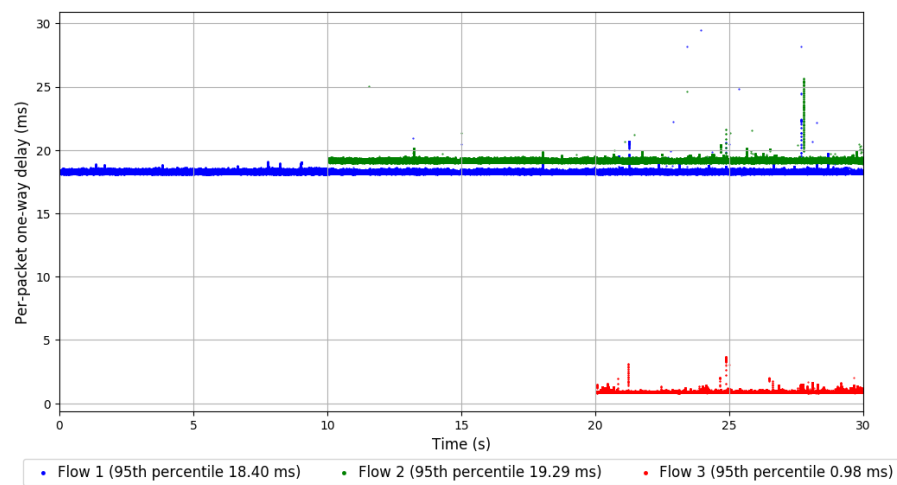
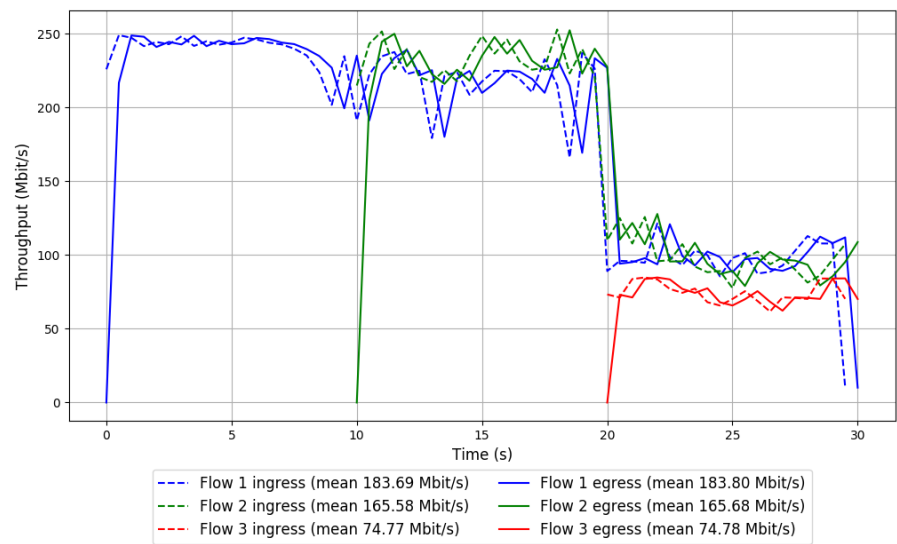
-- Flow 3:

Average throughput: 74.78 Mbit/s

95th percentile per-packet one-way delay: 0.979 ms

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-10-03 12:19:06

End at: 2019-10-03 12:19:36

Local clock offset: 3.747 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2019-10-03 15:04:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.22 Mbit/s

95th percentile per-packet one-way delay: 18.757 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 185.92 Mbit/s

95th percentile per-packet one-way delay: 18.388 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 160.00 Mbit/s

95th percentile per-packet one-way delay: 18.819 ms

Loss rate: 0.04%

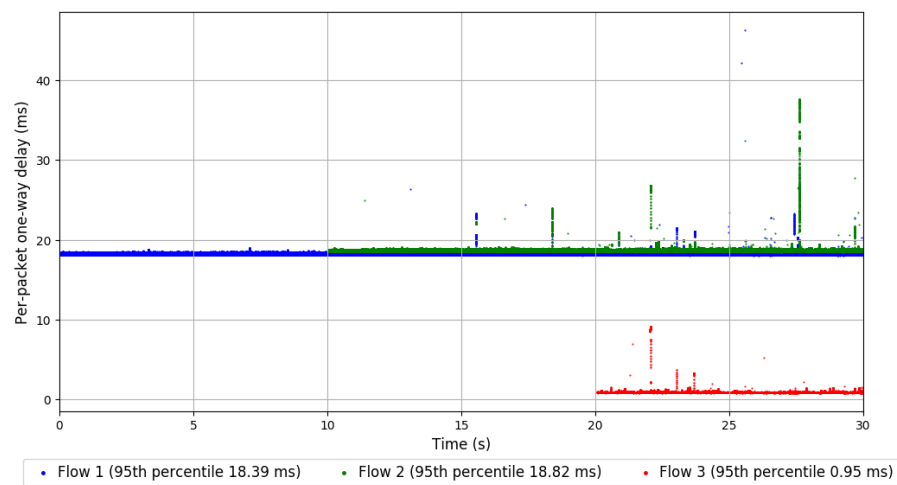
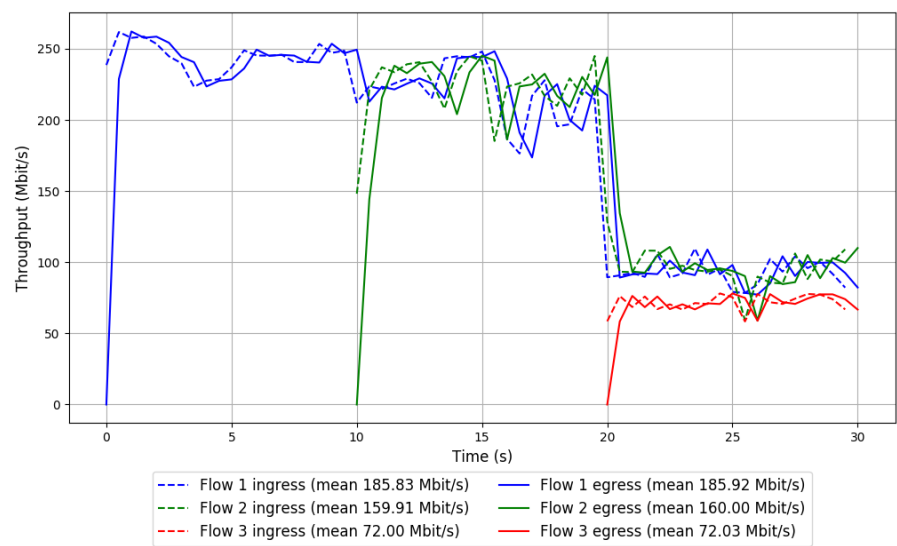
-- Flow 3:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.02%

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

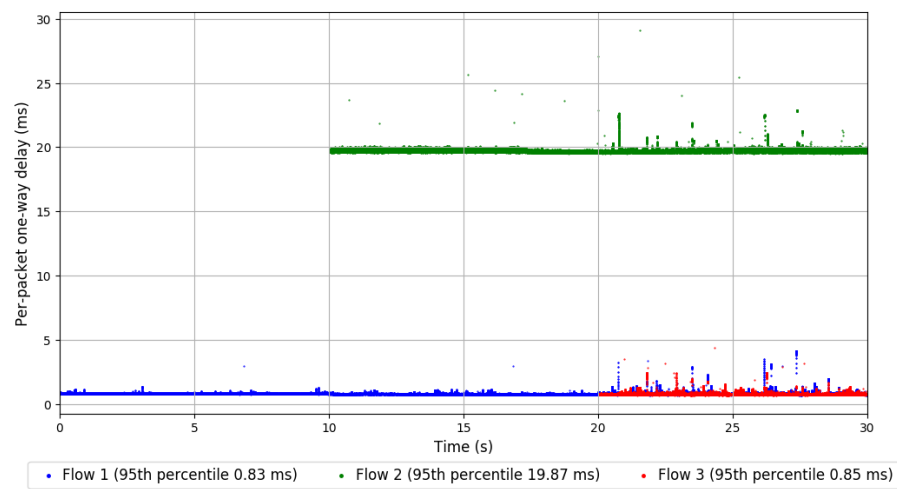
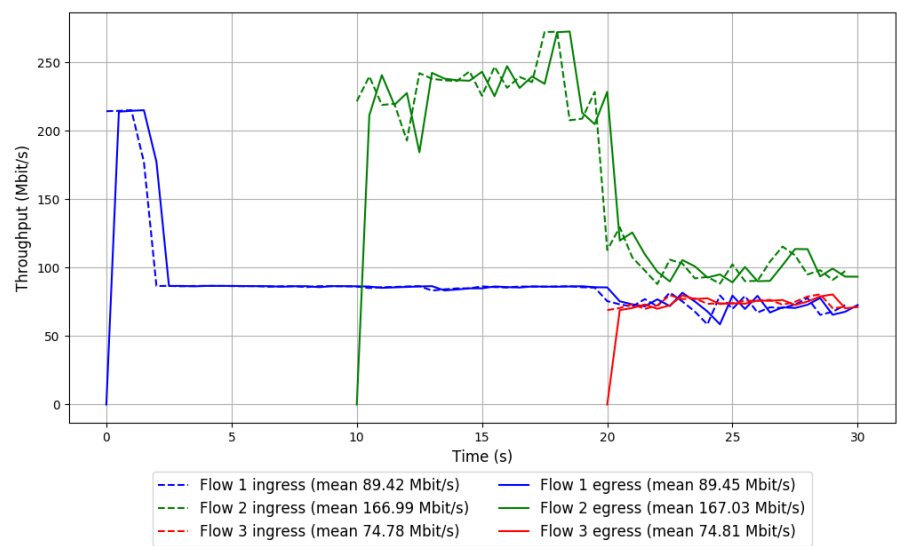


Run 4: Statistics of TaoVA-100x

Start at: 2019-10-03 12:54:30
End at: 2019-10-03 12:55:00
Local clock offset: 3.674 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-10-03 15:04:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.36 Mbit/s
95th percentile per-packet one-way delay: 19.831 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 0.831 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.03 Mbit/s
95th percentile per-packet one-way delay: 19.870 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 0.846 ms
Loss rate: 0.02%

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

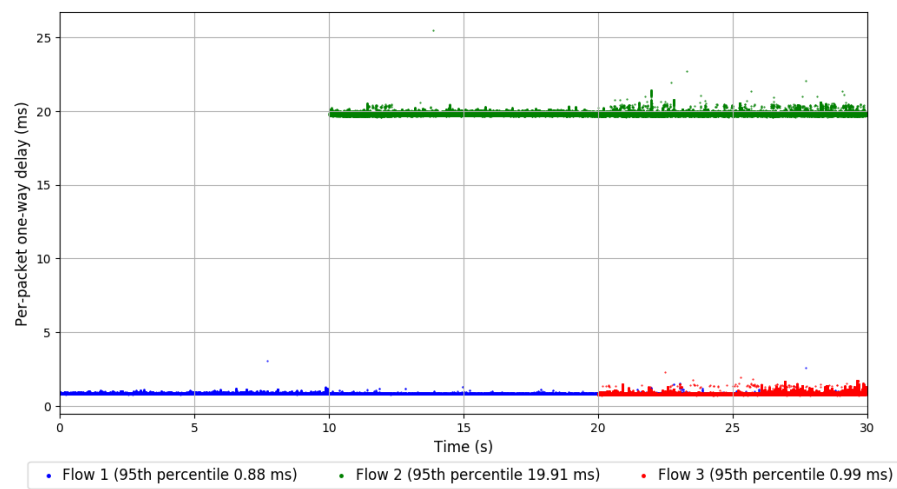
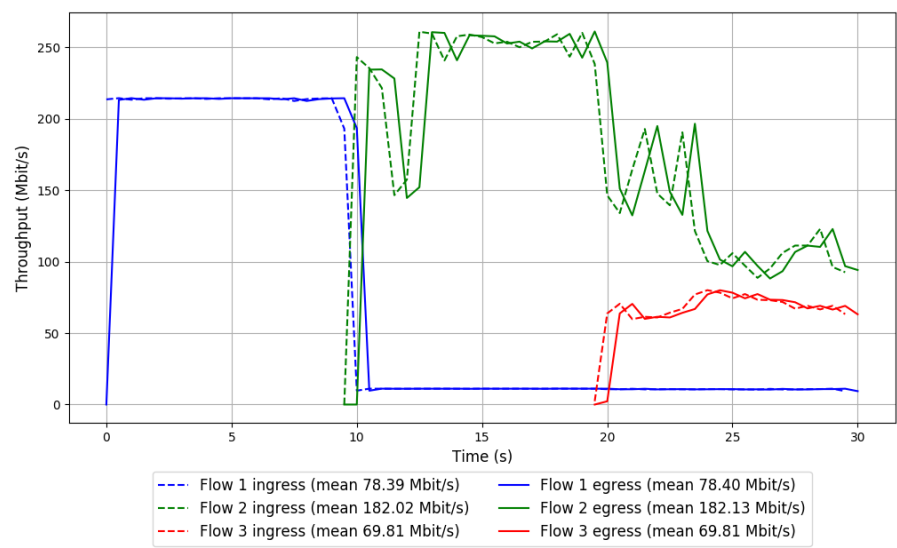


Run 5: Statistics of TaoVA-100x

Start at: 2019-10-03 13:29:57
End at: 2019-10-03 13:30:27
Local clock offset: 4.392 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-10-03 15:04:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 19.876 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 0.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.13 Mbit/s
95th percentile per-packet one-way delay: 19.906 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 0.990 ms
Loss rate: 0.02%

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

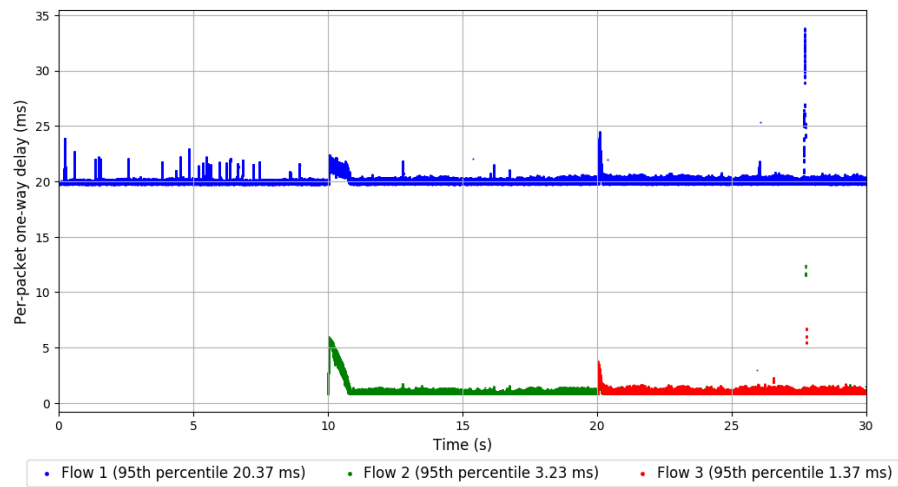
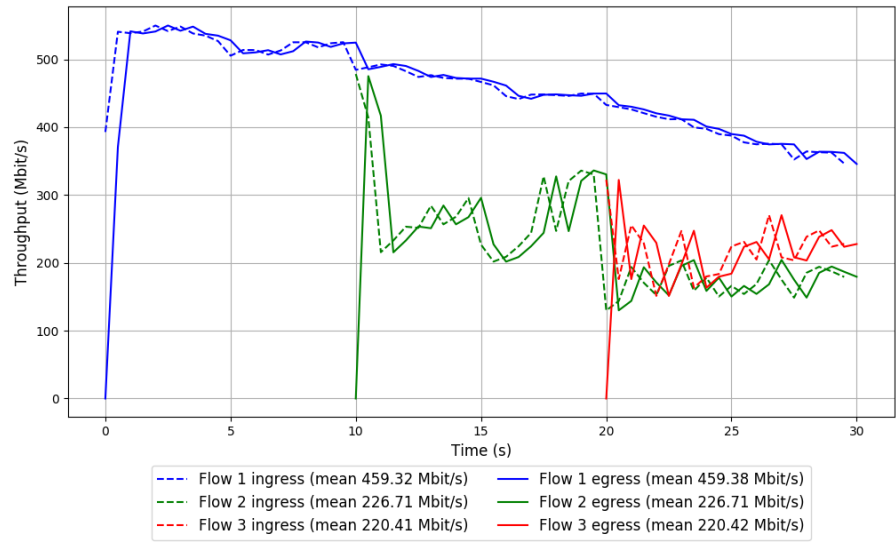


Run 1: Statistics of TCP Vegas

Start at: 2019-10-03 11:11:54
End at: 2019-10-03 11:12:24
Local clock offset: 4.08 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-10-03 15:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 683.70 Mbit/s
95th percentile per-packet one-way delay: 20.276 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 459.38 Mbit/s
95th percentile per-packet one-way delay: 20.369 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 226.71 Mbit/s
95th percentile per-packet one-way delay: 3.231 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 220.42 Mbit/s
95th percentile per-packet one-way delay: 1.373 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-10-03 11:47:06

End at: 2019-10-03 11:47:36

Local clock offset: 3.893 ms

Remote clock offset: 0.68 ms

Below is generated by plot.py at 2019-10-03 15:07:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 747.86 Mbit/s

95th percentile per-packet one-way delay: 19.779 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 484.67 Mbit/s

95th percentile per-packet one-way delay: 19.318 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 313.45 Mbit/s

95th percentile per-packet one-way delay: 19.919 ms

Loss rate: 0.09%

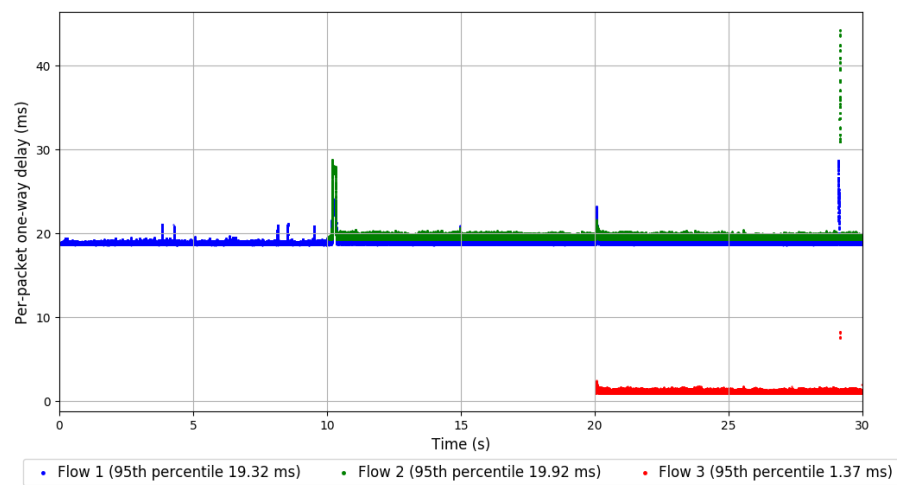
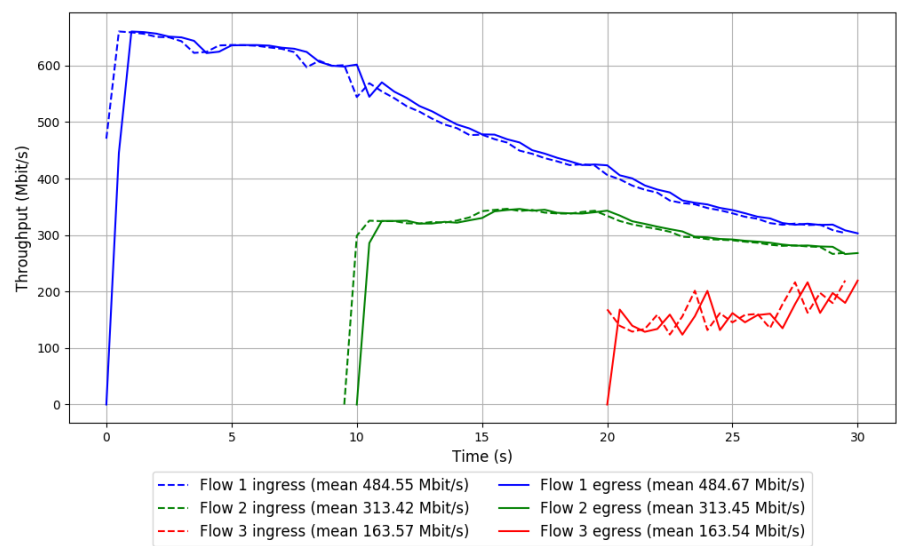
-- Flow 3:

Average throughput: 163.54 Mbit/s

95th percentile per-packet one-way delay: 1.371 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-10-03 12:22:31

End at: 2019-10-03 12:23:01

Local clock offset: 3.766 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2019-10-03 15:07:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 577.03 Mbit/s

95th percentile per-packet one-way delay: 18.959 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 326.53 Mbit/s

95th percentile per-packet one-way delay: 19.030 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 238.49 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.01%

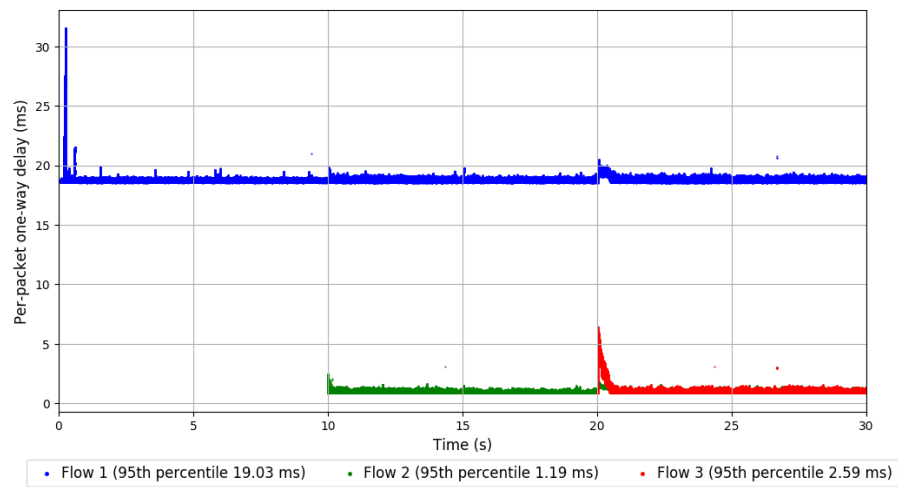
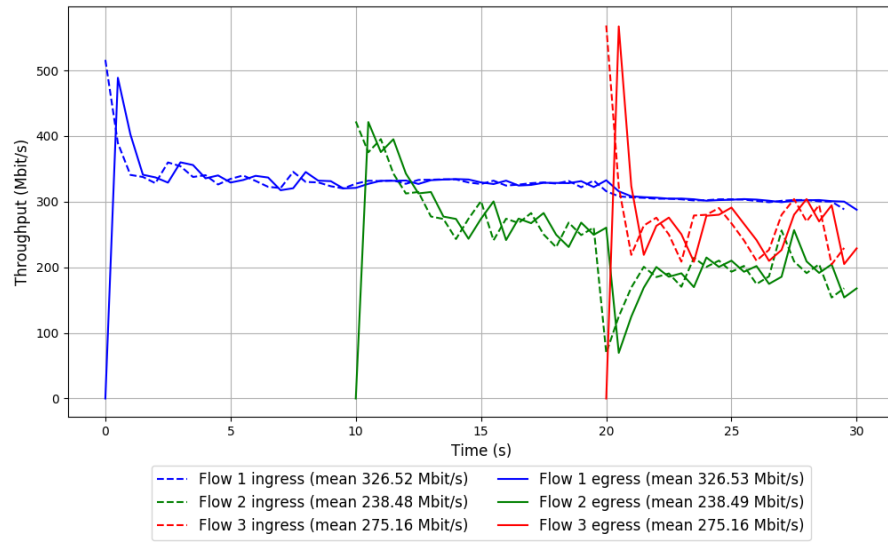
-- Flow 3:

Average throughput: 275.16 Mbit/s

95th percentile per-packet one-way delay: 2.590 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

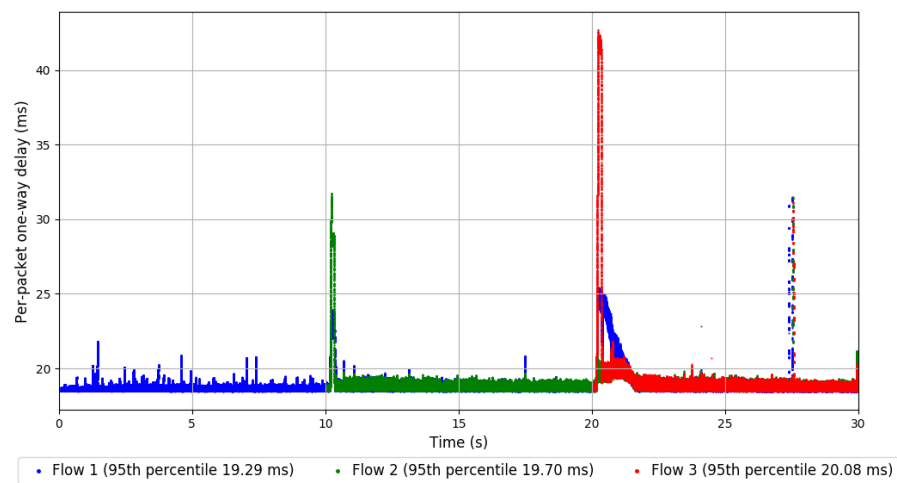
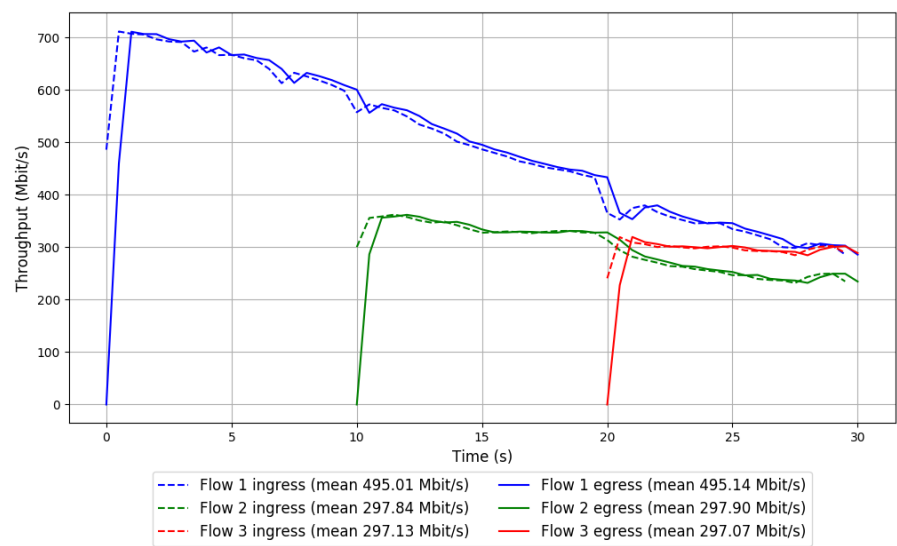


Run 4: Statistics of TCP Vegas

Start at: 2019-10-03 12:57:45
End at: 2019-10-03 12:58:15
Local clock offset: 3.842 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-10-03 15:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 792.06 Mbit/s
95th percentile per-packet one-way delay: 19.667 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 495.14 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 297.90 Mbit/s
95th percentile per-packet one-way delay: 19.702 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 297.07 Mbit/s
95th percentile per-packet one-way delay: 20.079 ms
Loss rate: 0.20%

Run 4: Report of TCP Vegas — Data Link

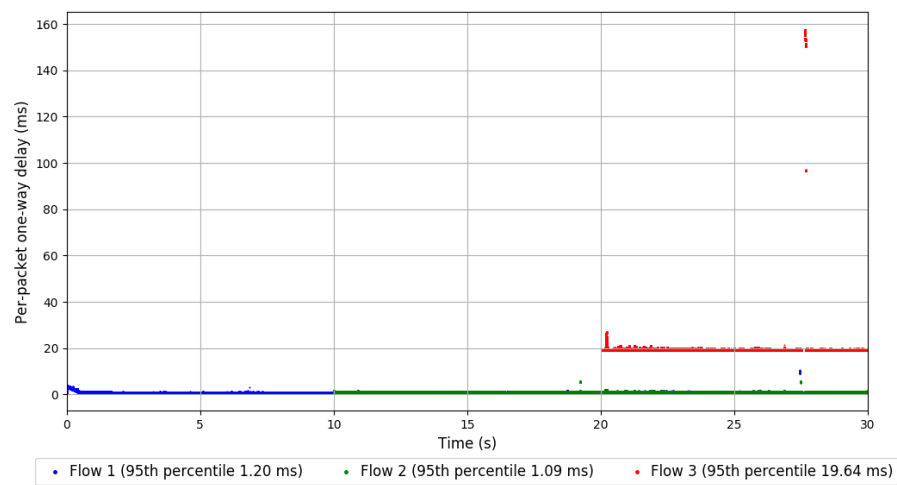
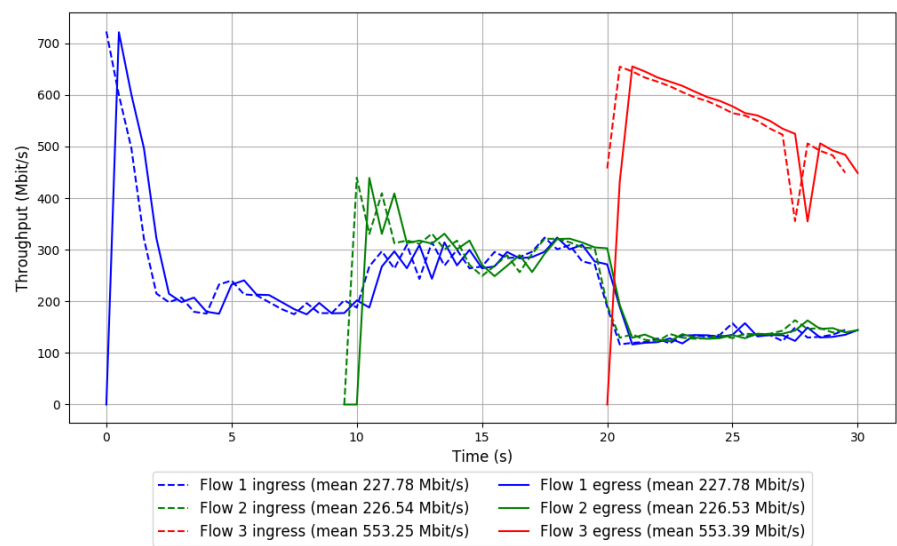


Run 5: Statistics of TCP Vegas

Start at: 2019-10-03 13:33:14
End at: 2019-10-03 13:33:44
Local clock offset: 4.39 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-10-03 15:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 562.22 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 227.78 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 226.53 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 553.39 Mbit/s
95th percentile per-packet one-way delay: 19.635 ms
Loss rate: 0.17%

Run 5: Report of TCP Vegas — Data Link

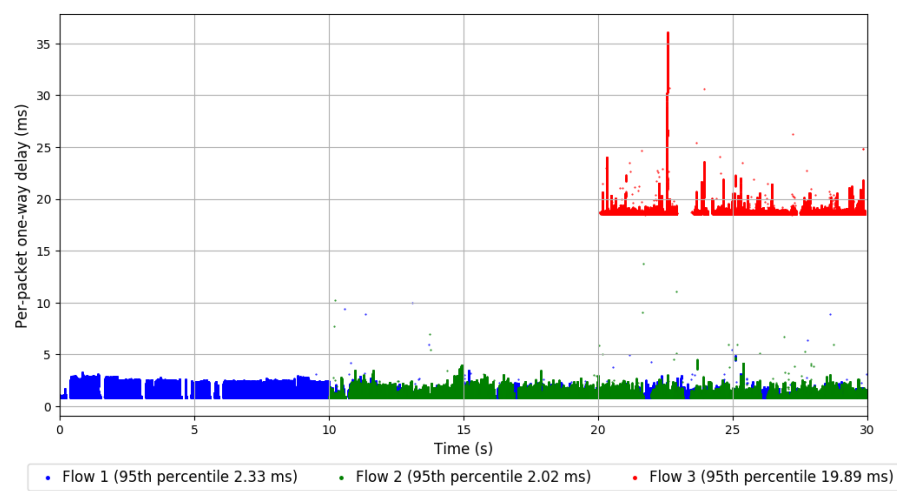
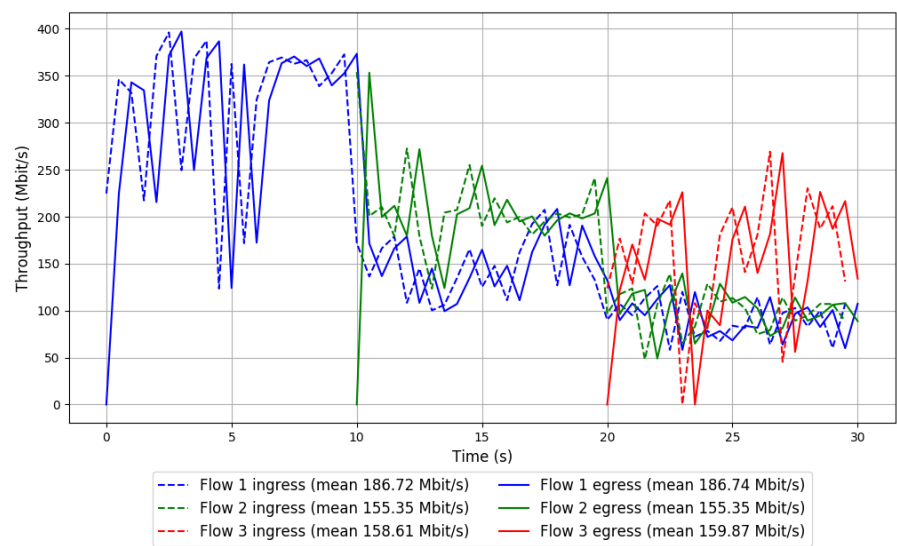


Run 1: Statistics of Verus

Start at: 2019-10-03 11:01:26
End at: 2019-10-03 11:01:56
Local clock offset: 4.146 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2019-10-03 15:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.82 Mbit/s
95th percentile per-packet one-way delay: 18.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.74 Mbit/s
95th percentile per-packet one-way delay: 2.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.35 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.87 Mbit/s
95th percentile per-packet one-way delay: 19.885 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-10-03 11:36:27

End at: 2019-10-03 11:36:57

Local clock offset: 3.996 ms

Remote clock offset: 0.436 ms

Below is generated by plot.py at 2019-10-03 15:11:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.64 Mbit/s

95th percentile per-packet one-way delay: 18.897 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 109.12 Mbit/s

95th percentile per-packet one-way delay: 2.917 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 143.89 Mbit/s

95th percentile per-packet one-way delay: 1.813 ms

Loss rate: 0.00%

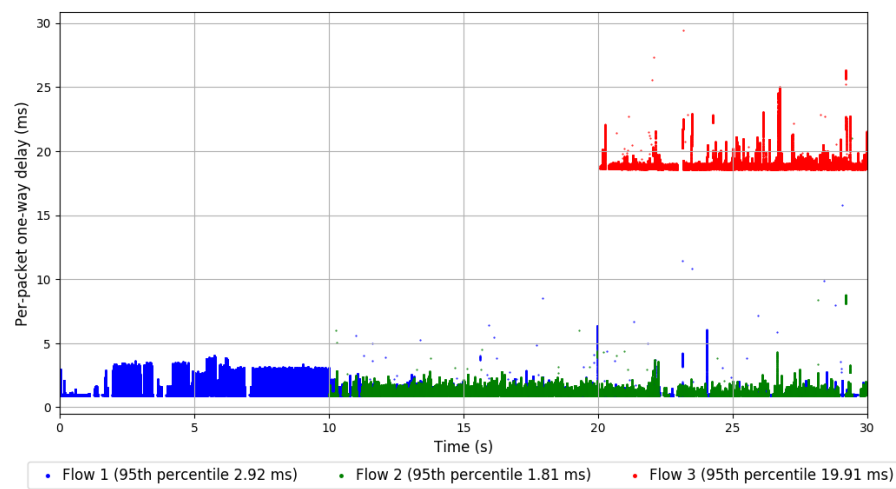
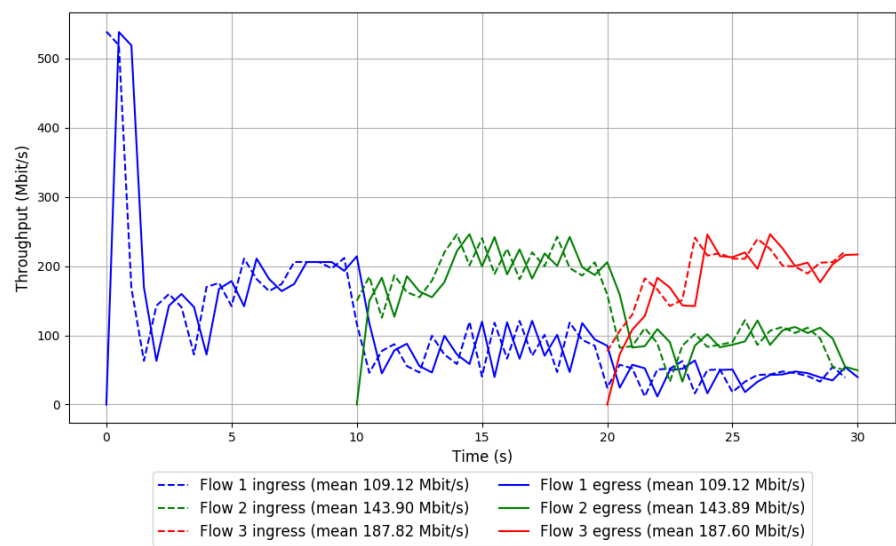
-- Flow 3:

Average throughput: 187.60 Mbit/s

95th percentile per-packet one-way delay: 19.906 ms

Loss rate: 0.36%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-10-03 12:11:48

End at: 2019-10-03 12:12:18

Local clock offset: 3.793 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-10-03 15:11:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.18 Mbit/s

95th percentile per-packet one-way delay: 18.685 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 191.51 Mbit/s

95th percentile per-packet one-way delay: 2.466 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 158.97 Mbit/s

95th percentile per-packet one-way delay: 1.814 ms

Loss rate: 0.00%

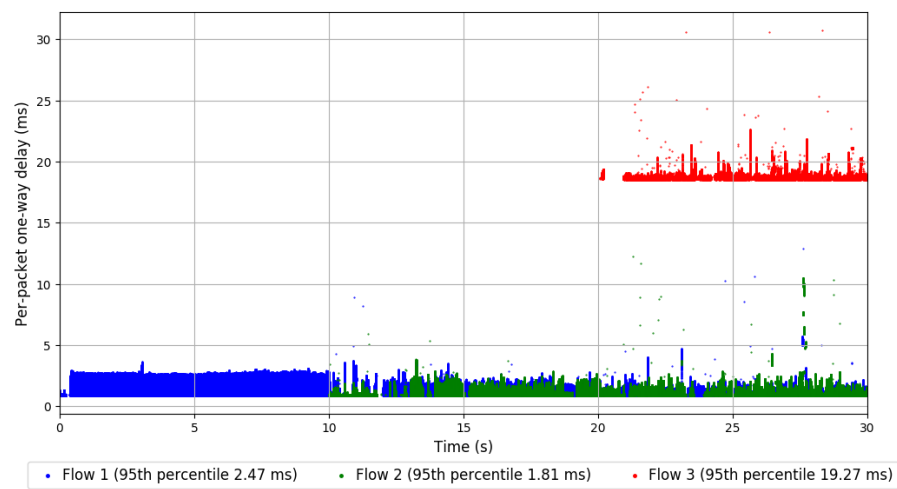
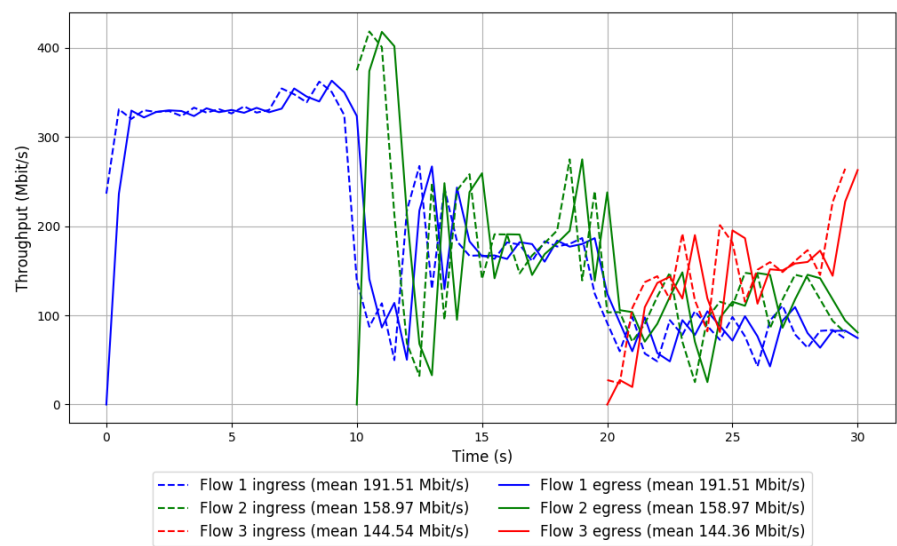
-- Flow 3:

Average throughput: 144.36 Mbit/s

95th percentile per-packet one-way delay: 19.275 ms

Loss rate: 0.33%

Run 3: Report of Verus — Data Link

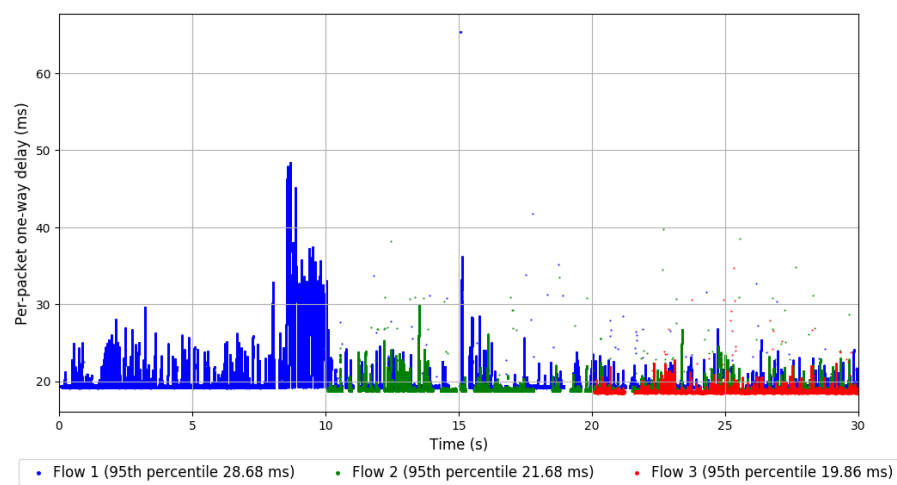
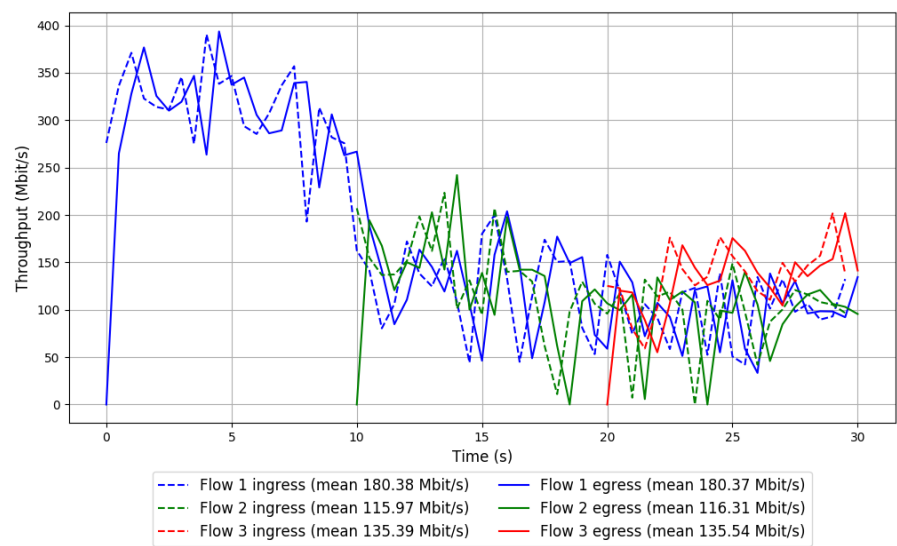


Run 4: Statistics of Verus

Start at: 2019-10-03 12:47:08
End at: 2019-10-03 12:47:38
Local clock offset: 3.641 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-10-03 15:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.50 Mbit/s
95th percentile per-packet one-way delay: 25.102 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 180.37 Mbit/s
95th percentile per-packet one-way delay: 28.675 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 116.31 Mbit/s
95th percentile per-packet one-way delay: 21.676 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 135.54 Mbit/s
95th percentile per-packet one-way delay: 19.861 ms
Loss rate: 0.13%

Run 4: Report of Verus — Data Link

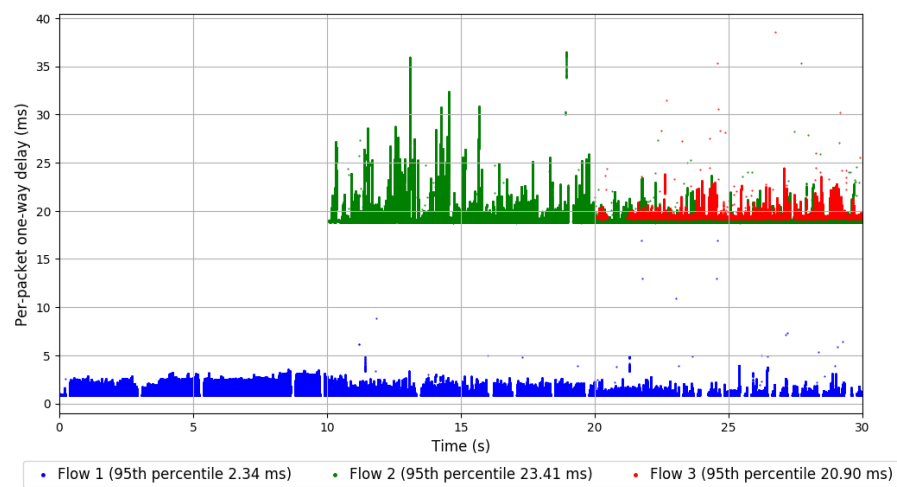
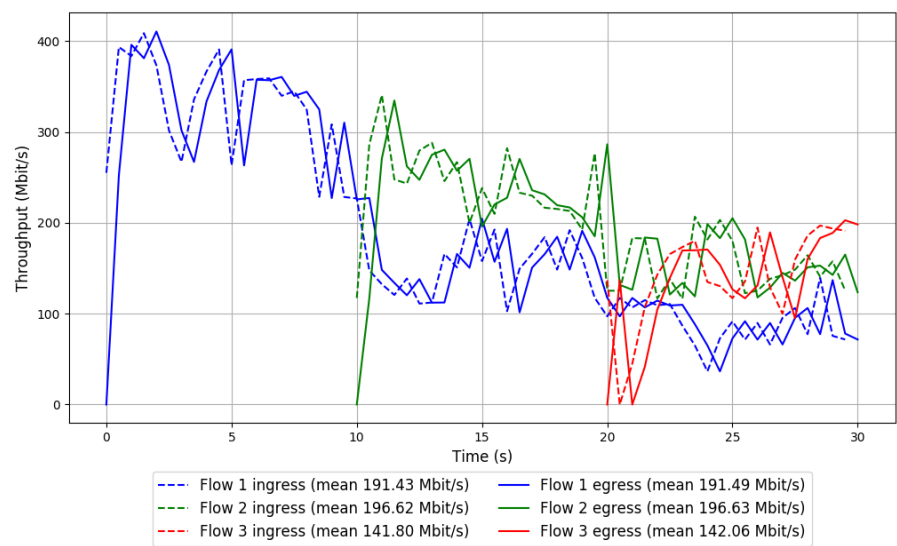


Run 5: Statistics of Verus

Start at: 2019-10-03 13:22:36
End at: 2019-10-03 13:23:06
Local clock offset: 4.315 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-10-03 15:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.30 Mbit/s
95th percentile per-packet one-way delay: 21.009 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 191.49 Mbit/s
95th percentile per-packet one-way delay: 2.337 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 196.63 Mbit/s
95th percentile per-packet one-way delay: 23.410 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 142.06 Mbit/s
95th percentile per-packet one-way delay: 20.902 ms
Loss rate: 0.05%

Run 5: Report of Verus — Data Link

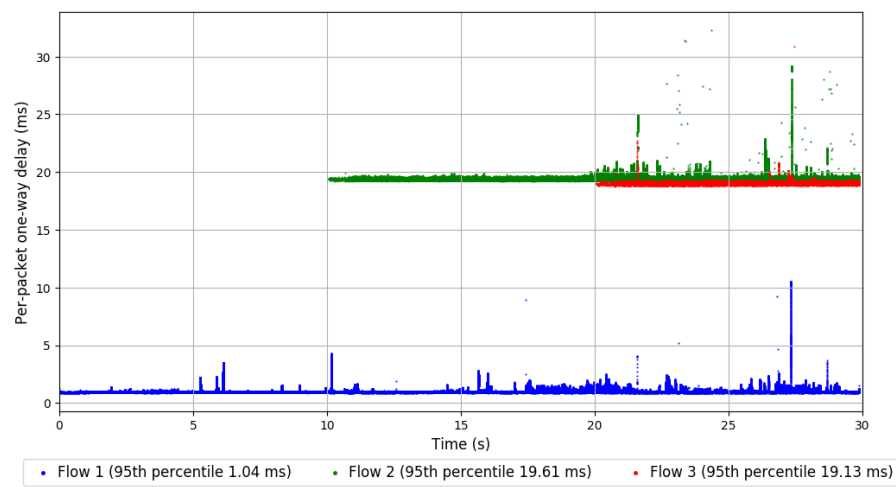
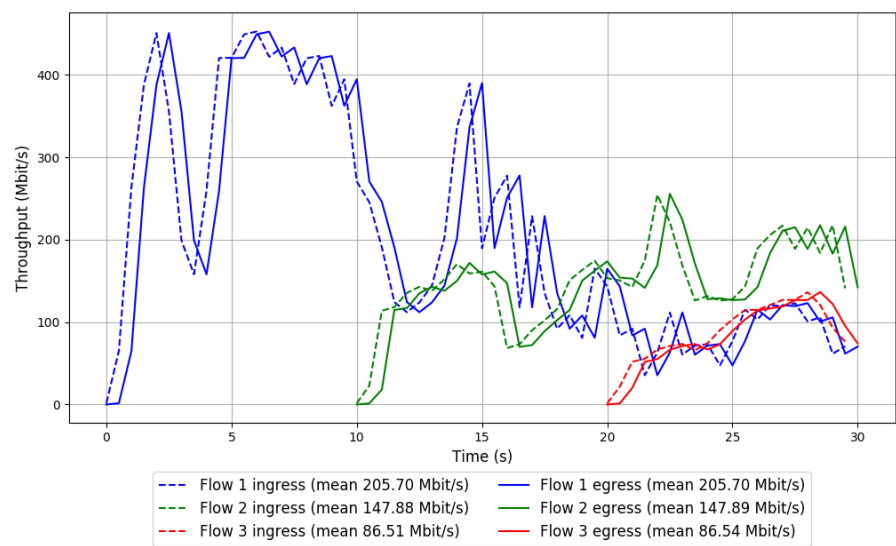


Run 1: Statistics of PCC-Vivace

Start at: 2019-10-03 11:07:16
End at: 2019-10-03 11:07:46
Local clock offset: 4.107 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2019-10-03 15:11:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.41 Mbit/s
95th percentile per-packet one-way delay: 19.490 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 205.70 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 147.89 Mbit/s
95th percentile per-packet one-way delay: 19.607 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.21%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-10-03 11:42:09

End at: 2019-10-03 11:42:39

Local clock offset: 3.945 ms

Remote clock offset: 0.591 ms

Below is generated by plot.py at 2019-10-03 15:11:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.46 Mbit/s

95th percentile per-packet one-way delay: 18.700 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 235.36 Mbit/s

95th percentile per-packet one-way delay: 1.256 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 113.02 Mbit/s

95th percentile per-packet one-way delay: 1.460 ms

Loss rate: 0.01%

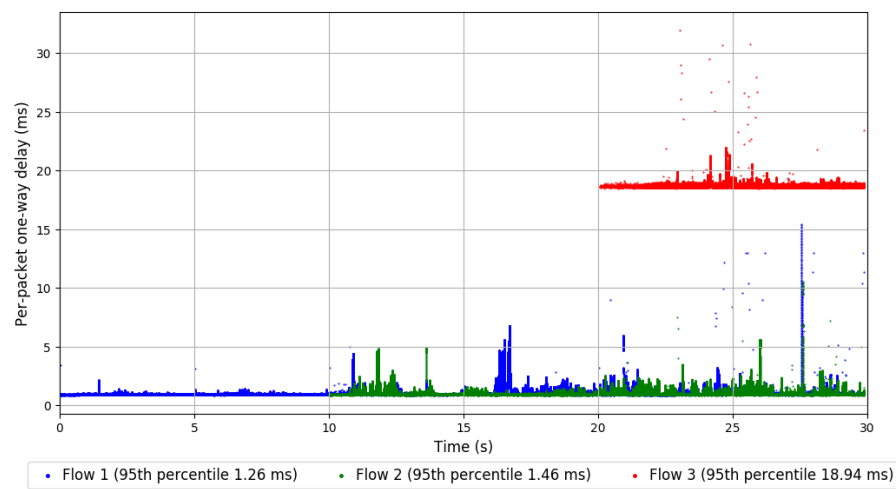
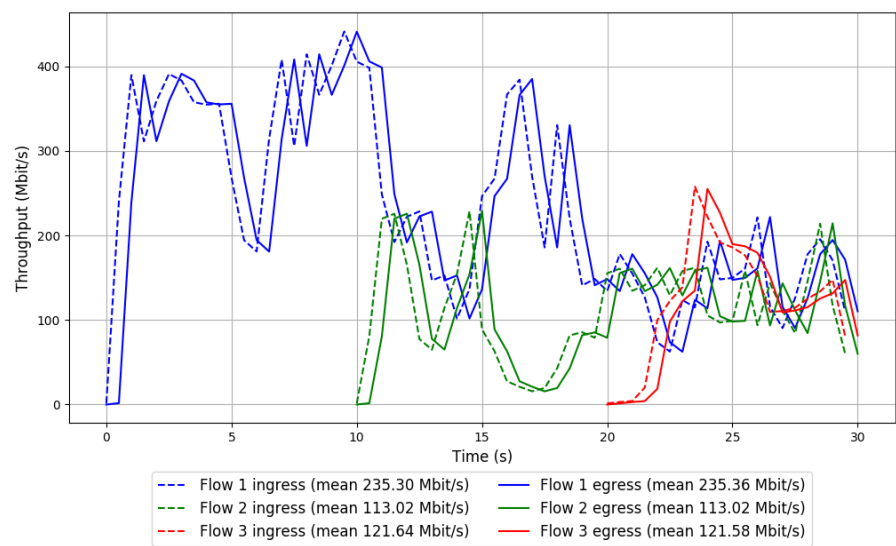
-- Flow 3:

Average throughput: 121.58 Mbit/s

95th percentile per-packet one-way delay: 18.943 ms

Loss rate: 0.19%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-10-03 12:17:33

End at: 2019-10-03 12:18:03

Local clock offset: 3.812 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2019-10-03 15:11:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.58 Mbit/s

95th percentile per-packet one-way delay: 18.865 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 230.55 Mbit/s

95th percentile per-packet one-way delay: 18.891 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 174.21 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.00%

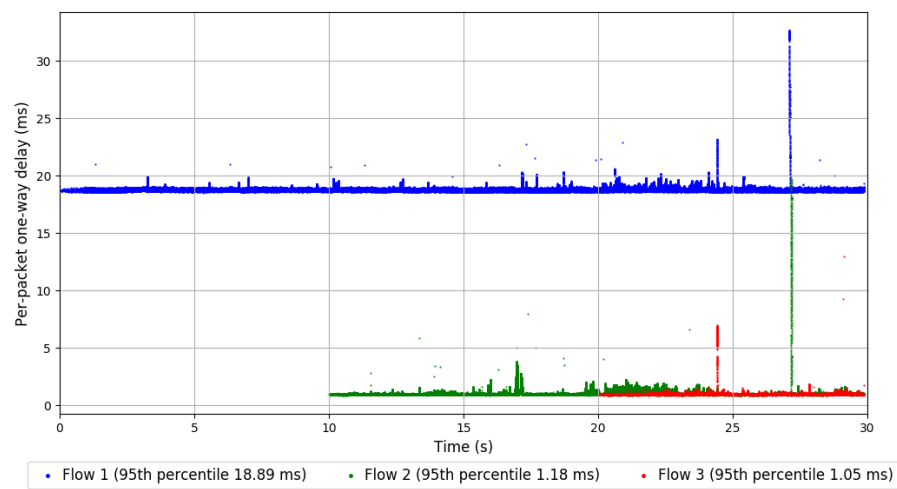
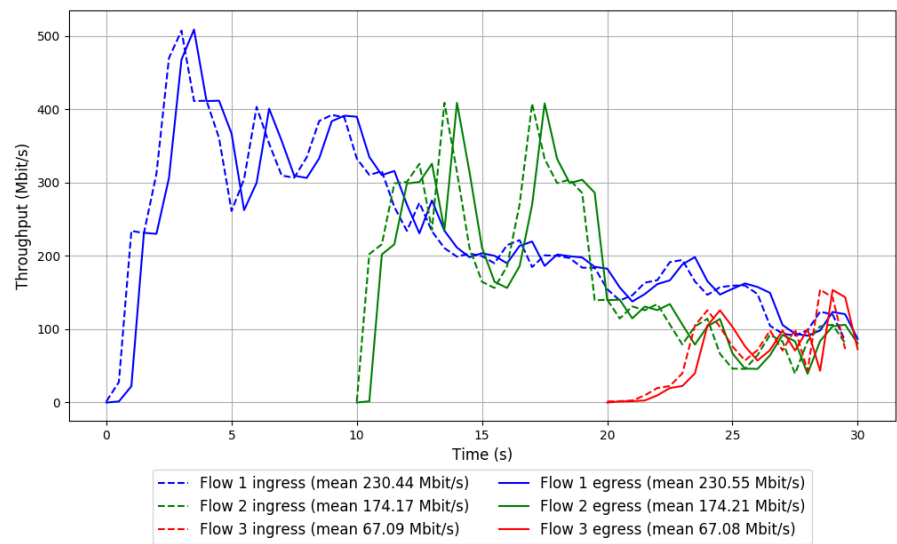
-- Flow 3:

Average throughput: 67.08 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link

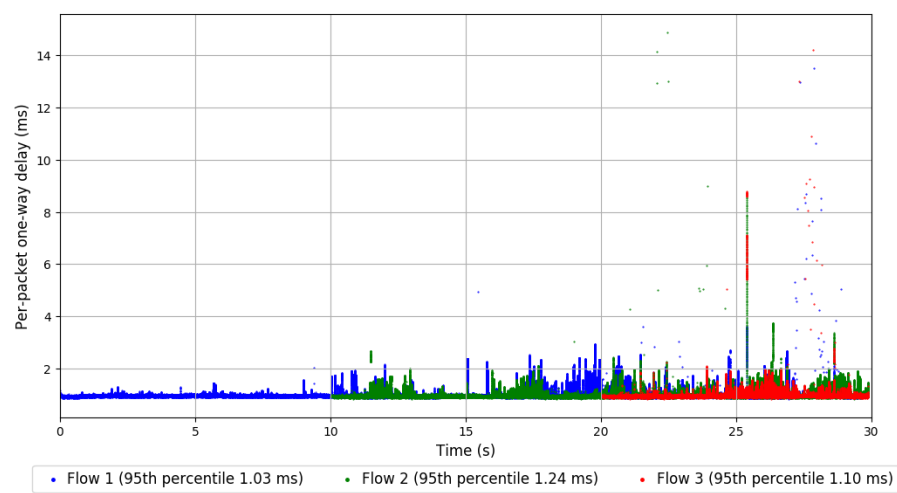
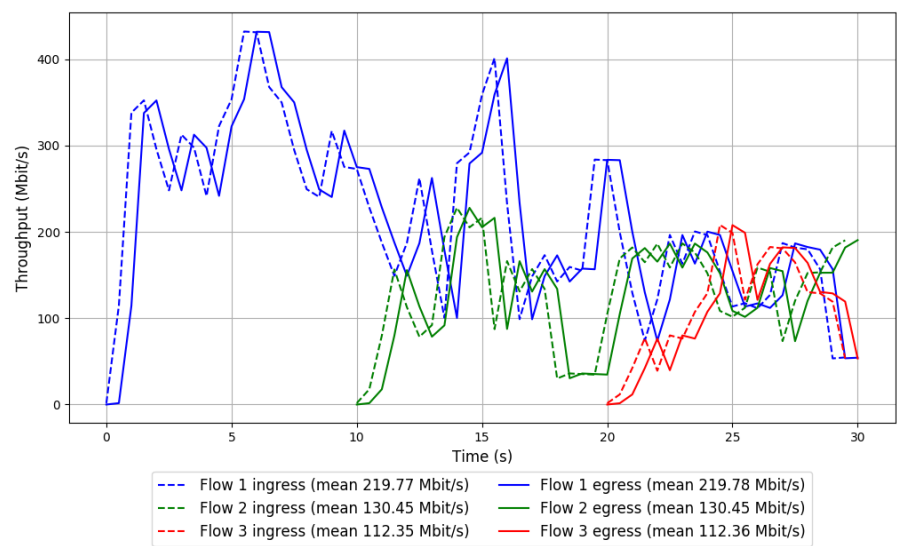


Run 4: Statistics of PCC-Vivace

Start at: 2019-10-03 12:52:58
End at: 2019-10-03 12:53:28
Local clock offset: 3.672 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-10-03 15:11:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 343.57 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.78 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 130.45 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.36 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

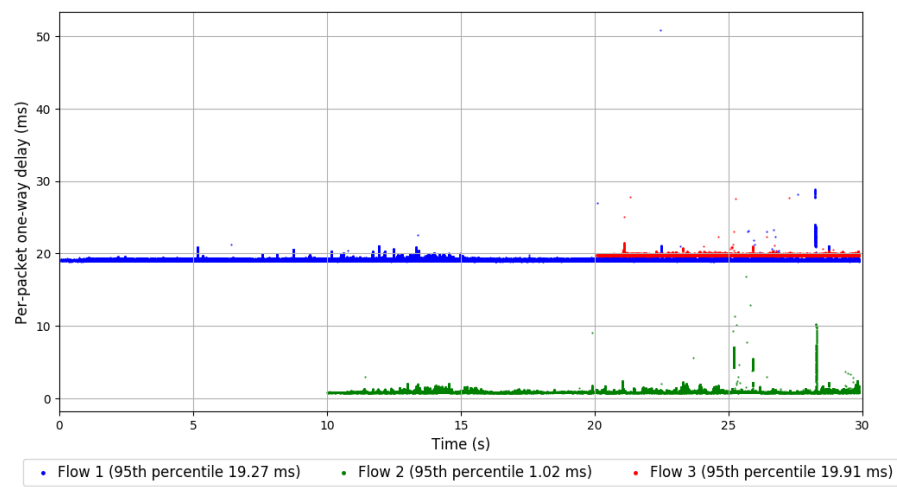
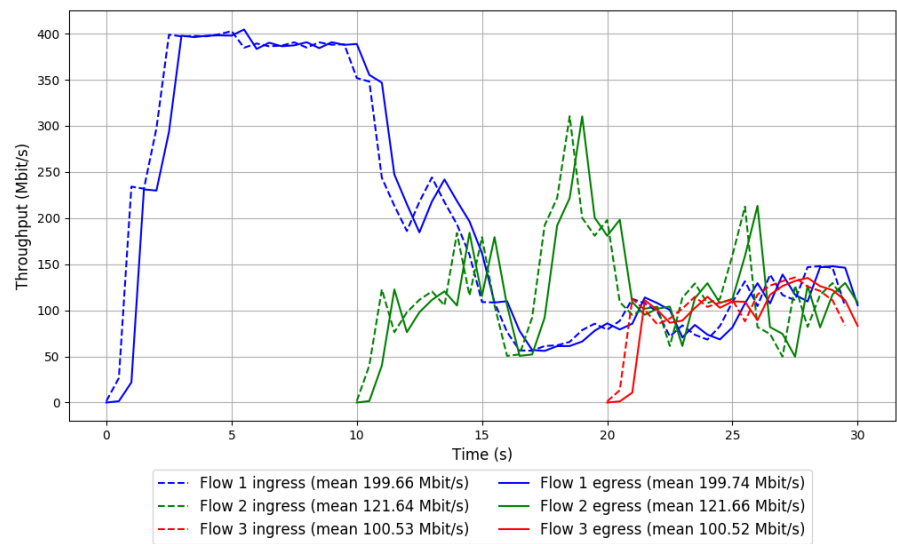


Run 5: Statistics of PCC-Vivace

Start at: 2019-10-03 13:28:27
End at: 2019-10-03 13:28:57
Local clock offset: 4.393 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-10-03 15:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.80 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 199.74 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 121.66 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 100.52 Mbit/s
95th percentile per-packet one-way delay: 19.913 ms
Loss rate: 0.23%

Run 5: Report of PCC-Vivace — Data Link

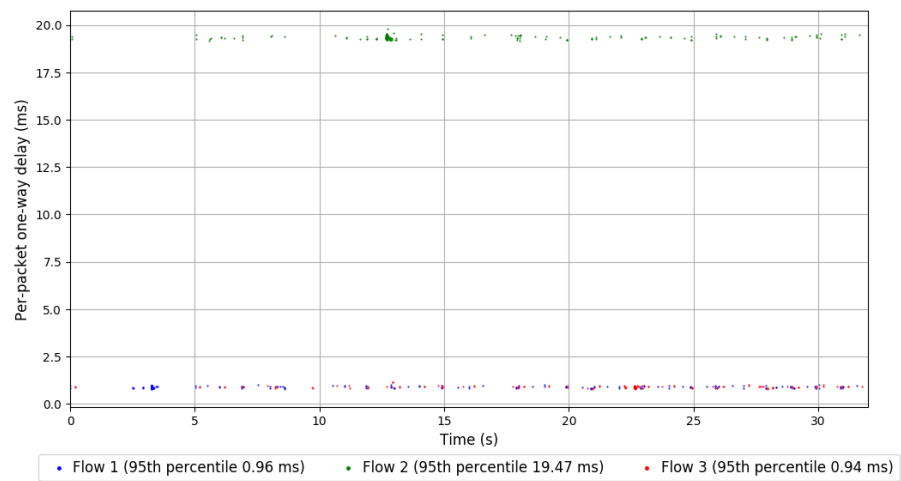
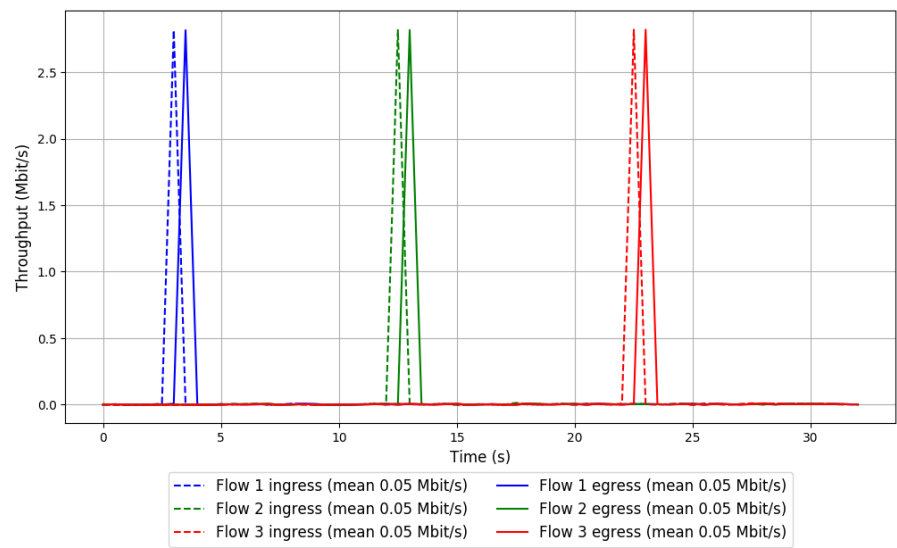


Run 1: Statistics of WebRTC media

Start at: 2019-10-03 11:16:21
End at: 2019-10-03 11:16:51
Local clock offset: 4.13 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-10-03 15:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-10-03 11:51:51

End at: 2019-10-03 11:52:21

Local clock offset: 3.89 ms

Remote clock offset: 0.737 ms

Below is generated by plot.py at 2019-10-03 15:11:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 19.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 19.923 ms

Loss rate: 0.00%

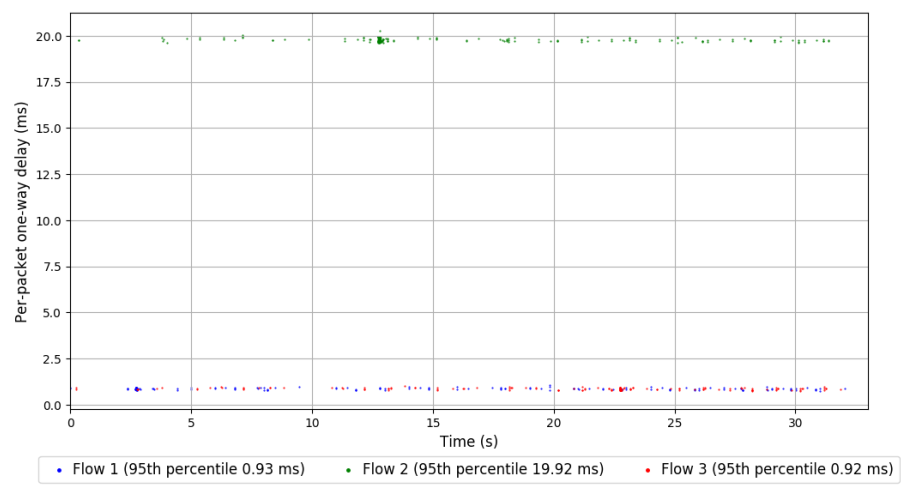
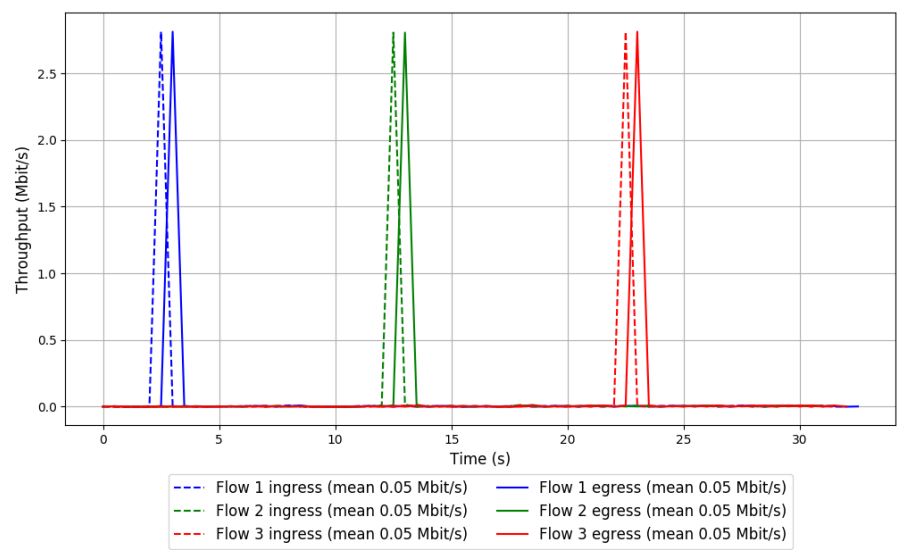
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-10-03 12:27:02

End at: 2019-10-03 12:27:32

Local clock offset: 3.728 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2019-10-03 15:11:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 19.244 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 19.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.390 ms

Loss rate: 0.00%

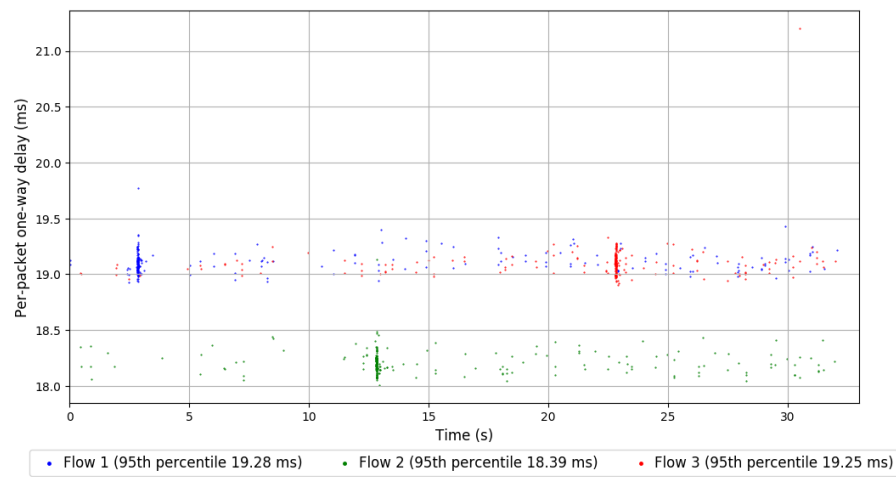
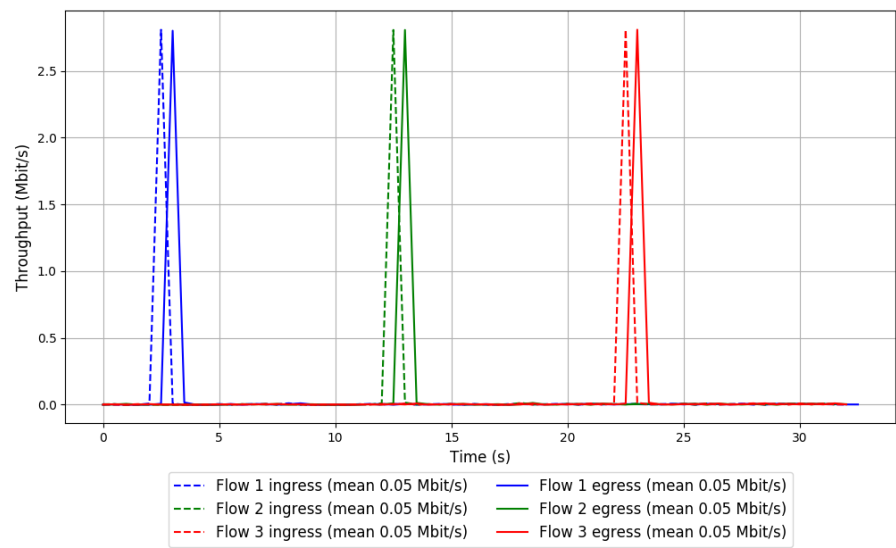
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 19.251 ms

Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

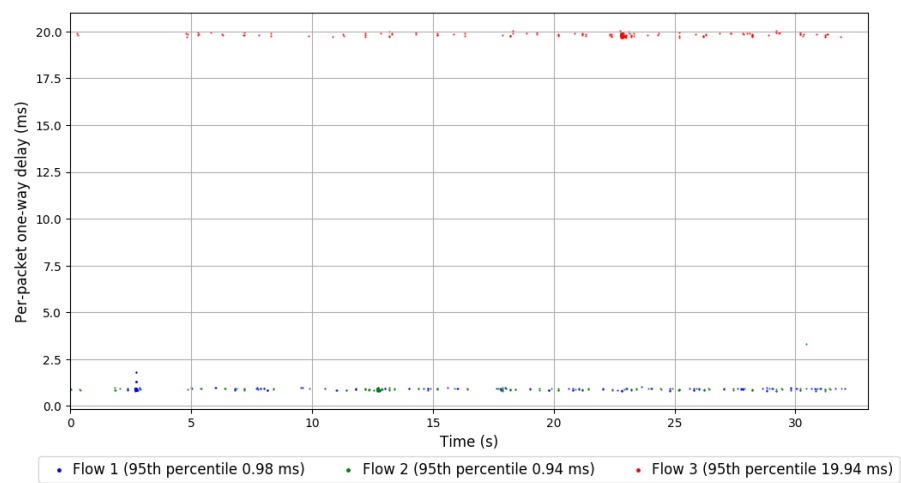
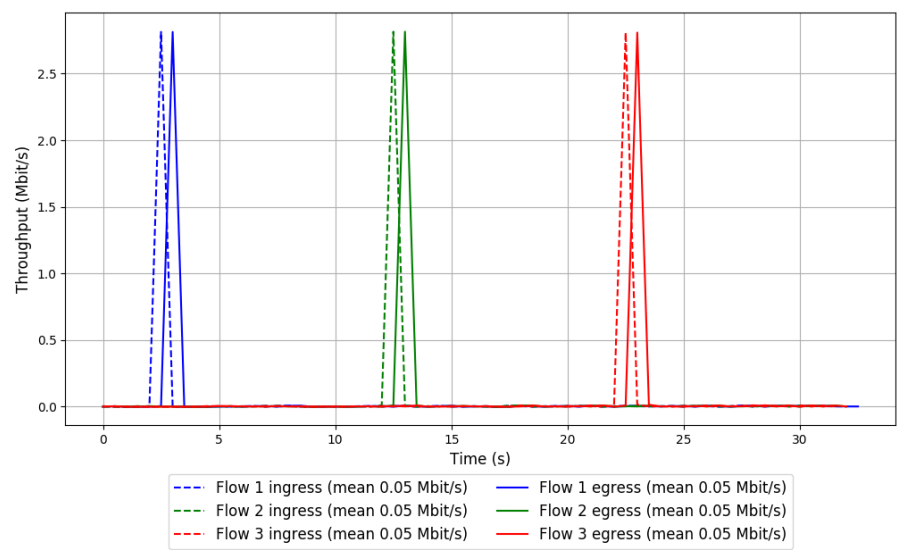


Run 4: Statistics of WebRTC media

Start at: 2019-10-03 13:02:30
End at: 2019-10-03 13:03:00
Local clock offset: 4.07 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-10-03 15:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.944 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-10-03 13:37:47
End at: 2019-10-03 13:38:17
Local clock offset: 4.434 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-10-03 15:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

