

Pantheon Report

Generated at 2018-02-13 22:49:30 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

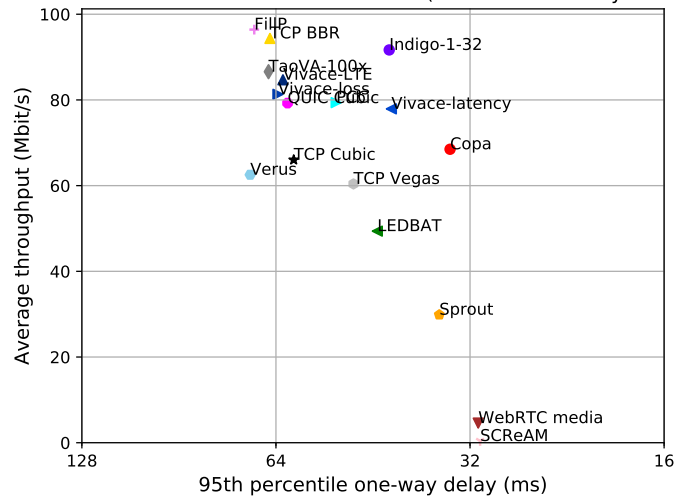
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

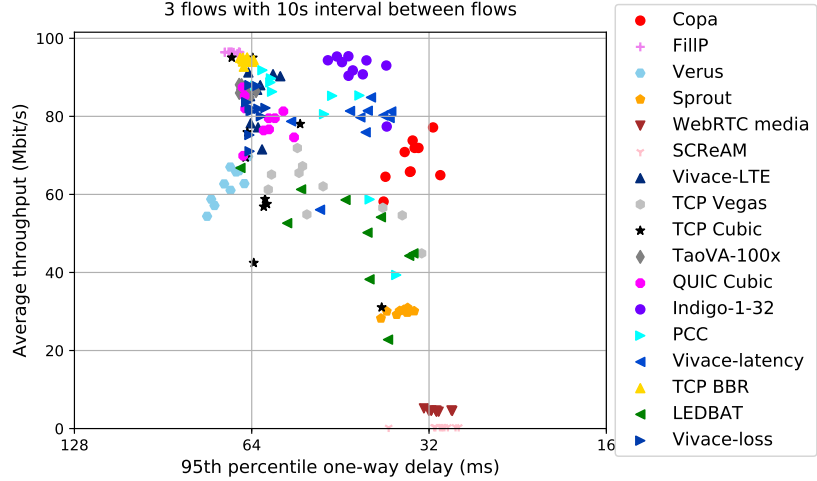
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
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 @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



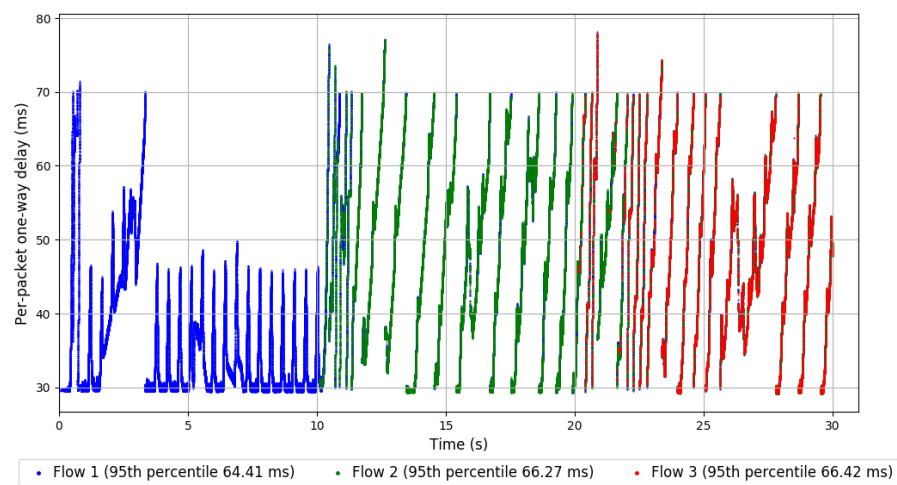
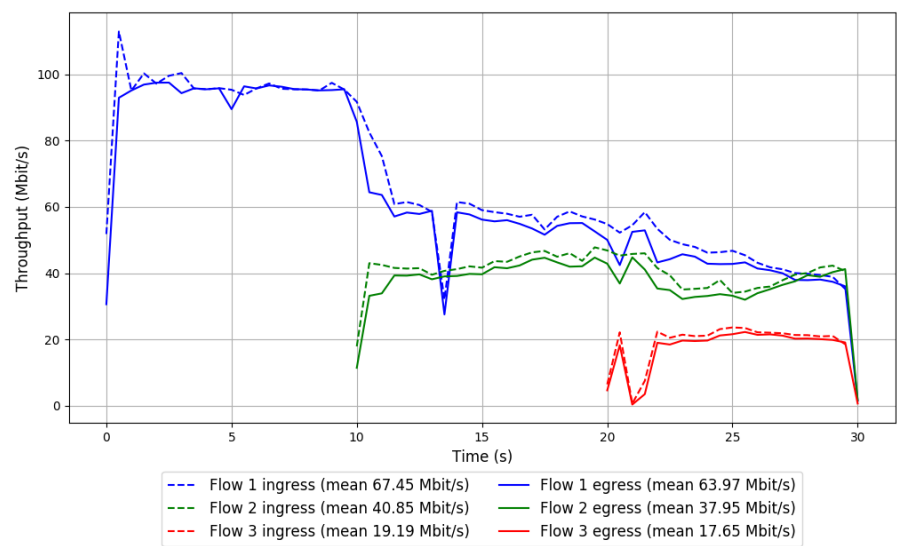
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	62.58	35.49	24.81	64.18	66.37	67.15	4.36	6.91	7.86
TCP Cubic	10	34.51	31.17	32.37	59.00	57.39	56.63	0.77	0.70	0.97
LEDBAT	10	28.62	22.23	18.04	43.78	45.15	44.31	0.27	0.27	0.33
PCC	10	66.79	13.54	10.81	51.07	53.51	54.88	1.39	1.34	1.64
QUIC Cubic	10	42.45	41.58	27.85	60.22	61.83	60.22	1.35	1.52	0.76
SCReAM	10	0.20	0.20	0.21	30.58	30.89	30.68	0.25	0.33	0.14
WebRTC media	10	2.41	1.55	0.64	30.78	31.04	31.59	0.06	0.10	0.17
Sprout	10	15.17	14.92	14.48	35.27	35.70	36.68	0.40	0.36	0.39
TaoVA-100x	10	51.87	38.93	28.41	64.19	66.03	66.99	14.46	25.05	17.92
TCP Vegas	10	32.64	22.81	37.89	46.05	44.03	45.28	0.60	0.49	1.03
Verus	10	41.51	26.82	12.05	69.22	69.33	65.84	46.13	44.35	38.67
Copa	10	36.58	34.73	26.45	33.75	34.77	35.00	0.31	0.41	0.38
FillP	10	53.97	40.88	46.33	68.95	69.28	69.69	27.74	33.64	39.95
Indigo-1-32	10	57.01	35.82	33.33	40.73	44.09	47.26	0.55	0.62	0.76
Vivace-latency	10	58.34	22.70	13.59	42.32	43.12	41.69	0.41	0.32	0.25
Vivace-loss	10	54.51	28.84	23.24	63.26	63.39	64.07	5.36	5.59	6.95
Vivace-LTE	10	57.91	32.13	16.50	61.30	63.48	64.39	2.42	2.36	2.91

Run 1: Statistics of TCP BBR

Start at: 2018-02-13 17:48:59
End at: 2018-02-13 17:49:29
Local clock offset: 1.36 ms
Remote clock offset: 13.269 ms

Below is generated by plot.py at 2018-02-13 22:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 65.145 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 64.409 ms
Loss rate: 5.11%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 66.266 ms
Loss rate: 7.06%
-- Flow 3:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 66.415 ms
Loss rate: 7.93%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-02-13 18:15:11

End at: 2018-02-13 18:15:41

Local clock offset: -3.323 ms

Remote clock offset: 21.44 ms

Below is generated by plot.py at 2018-02-13 22:25:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 66.237 ms

Loss rate: 7.47%

-- Flow 1:

Average throughput: 64.25 Mbit/s

95th percentile per-packet one-way delay: 65.244 ms

Loss rate: 5.73%

-- Flow 2:

Average throughput: 33.28 Mbit/s

95th percentile per-packet one-way delay: 67.469 ms

Loss rate: 11.75%

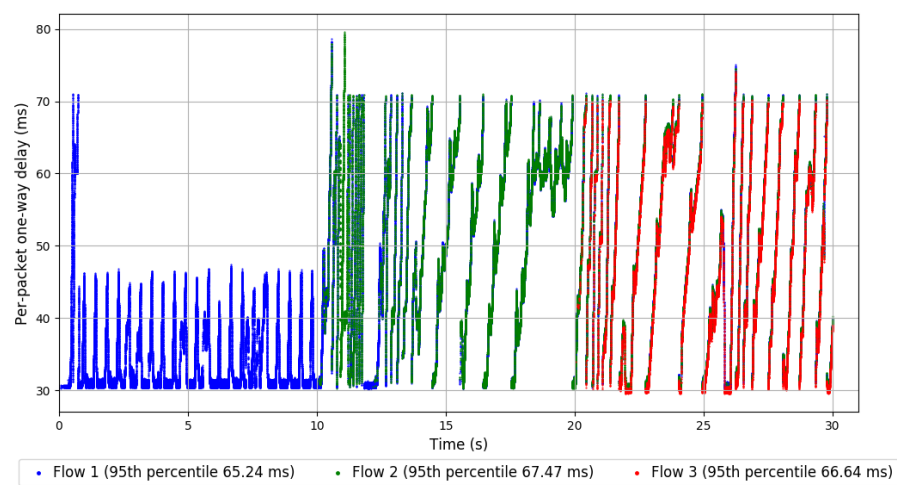
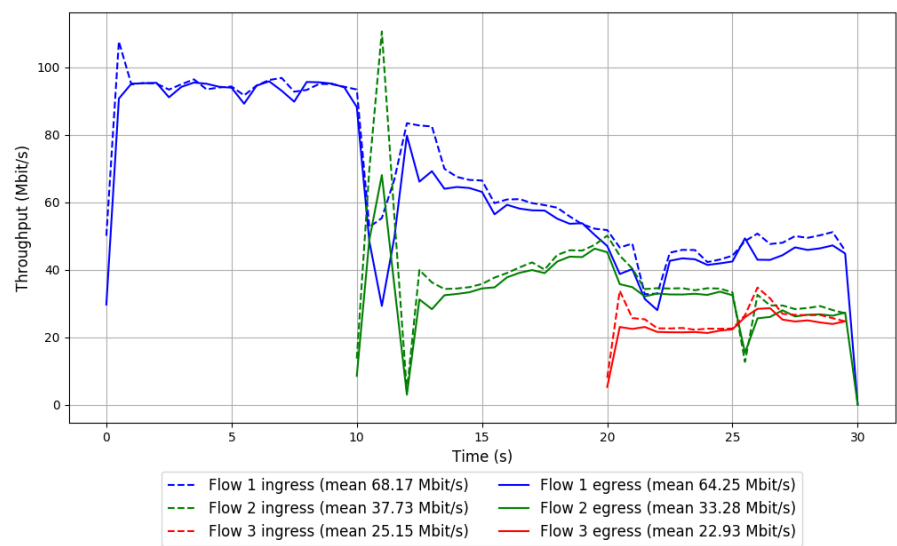
-- Flow 3:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 66.643 ms

Loss rate: 8.81%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-02-13 18:40:59

End at: 2018-02-13 18:41:29

Local clock offset: 0.864 ms

Remote clock offset: 6.036 ms

Below is generated by plot.py at 2018-02-13 22:25:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 66.972 ms

Loss rate: 4.65%

-- Flow 1:

Average throughput: 62.29 Mbit/s

95th percentile per-packet one-way delay: 65.603 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 38.78 Mbit/s

95th percentile per-packet one-way delay: 68.435 ms

Loss rate: 6.07%

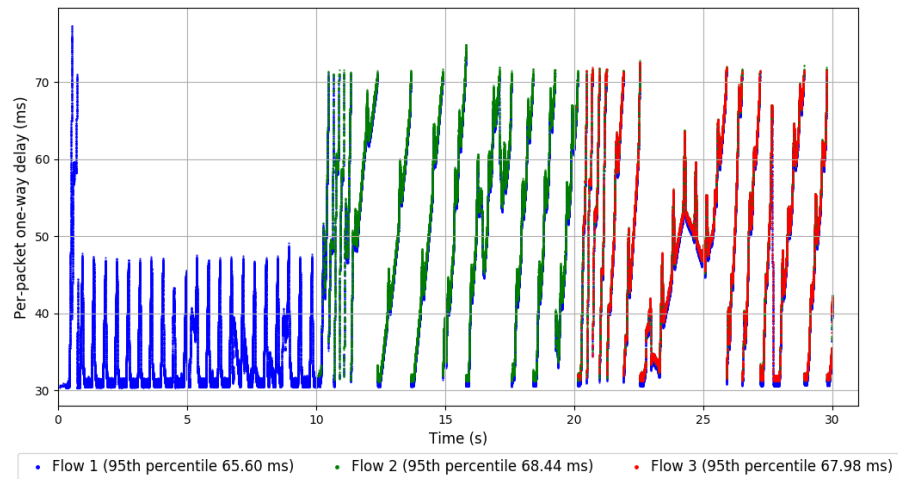
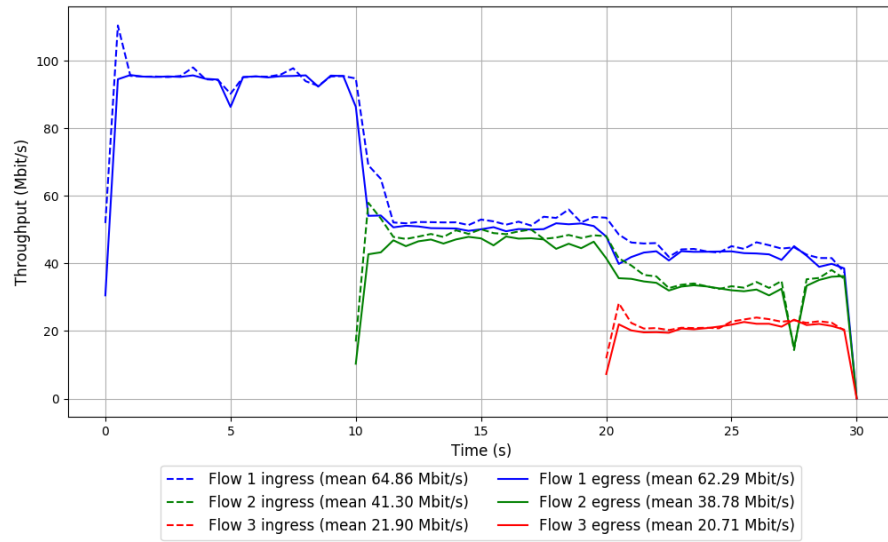
-- Flow 3:

Average throughput: 20.71 Mbit/s

95th percentile per-packet one-way delay: 67.982 ms

Loss rate: 5.69%

Run 3: Report of TCP BBR — Data Link

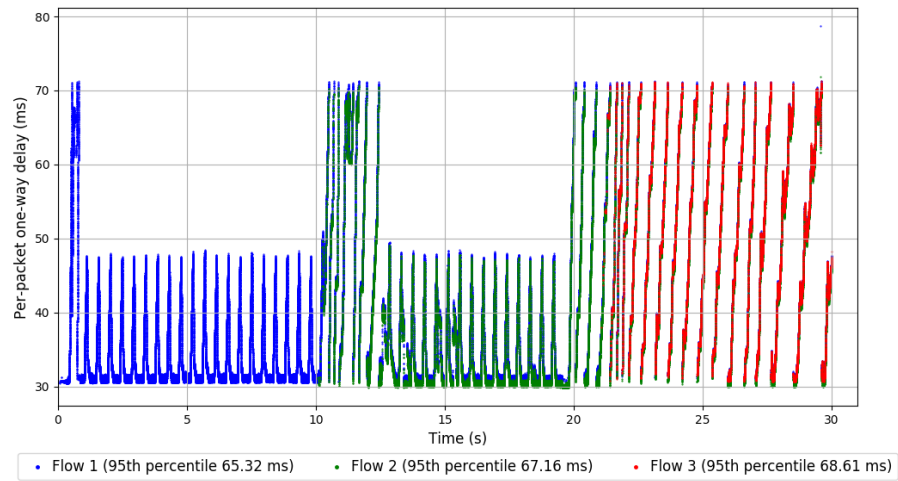
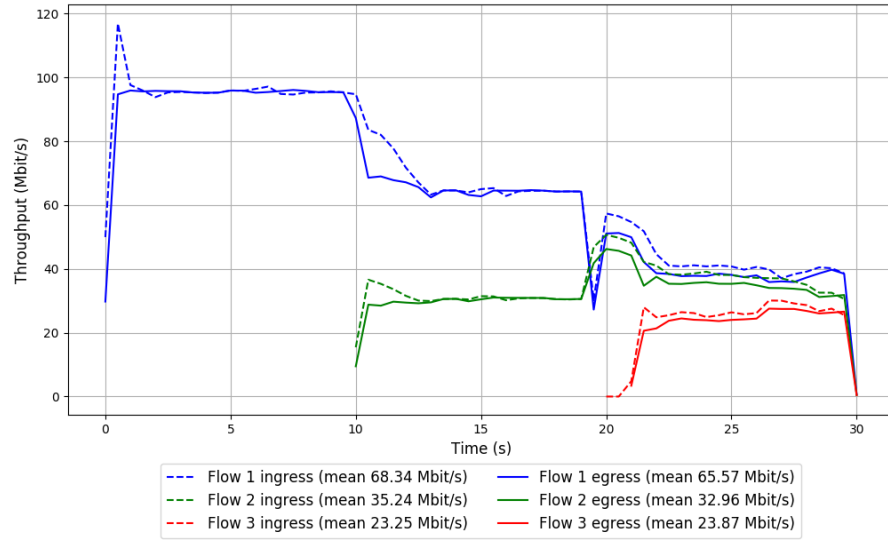


Run 4: Statistics of TCP BBR

Start at: 2018-02-13 19:06:03
End at: 2018-02-13 19:06:33
Local clock offset: 1.676 ms
Remote clock offset: -2.456 ms

Below is generated by plot.py at 2018-02-13 22:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 66.376 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 65.318 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 67.158 ms
Loss rate: 6.39%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 68.609 ms
Loss rate: 7.72%

Run 4: Report of TCP BBR — Data Link

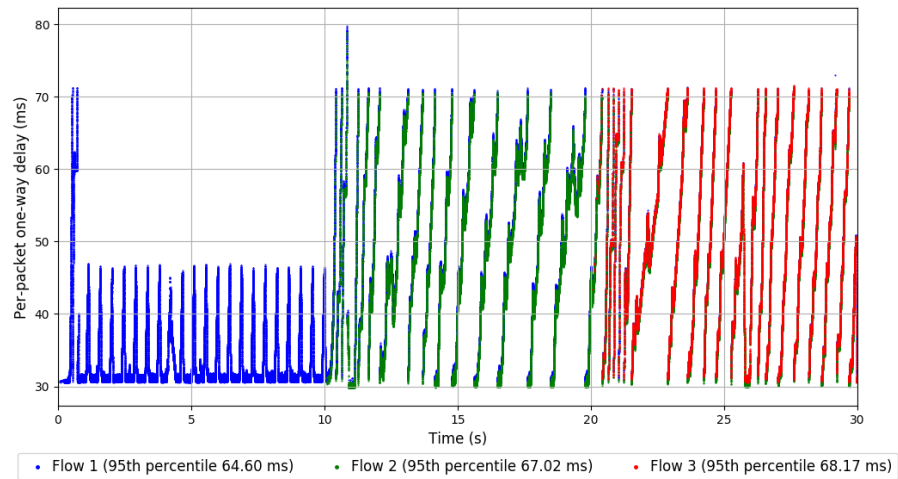
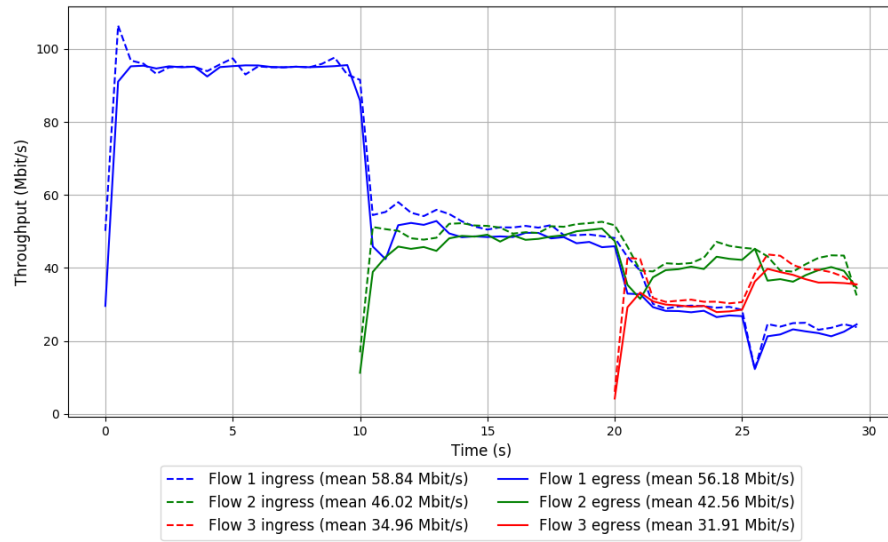


Run 5: Statistics of TCP BBR

Start at: 2018-02-13 19:31:36
End at: 2018-02-13 19:32:06
Local clock offset: 1.882 ms
Remote clock offset: -7.501 ms

Below is generated by plot.py at 2018-02-13 22:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 66.260 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 64.599 ms
Loss rate: 4.53%
-- Flow 2:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 7.43%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 68.172 ms
Loss rate: 8.82%

Run 5: Report of TCP BBR — Data Link

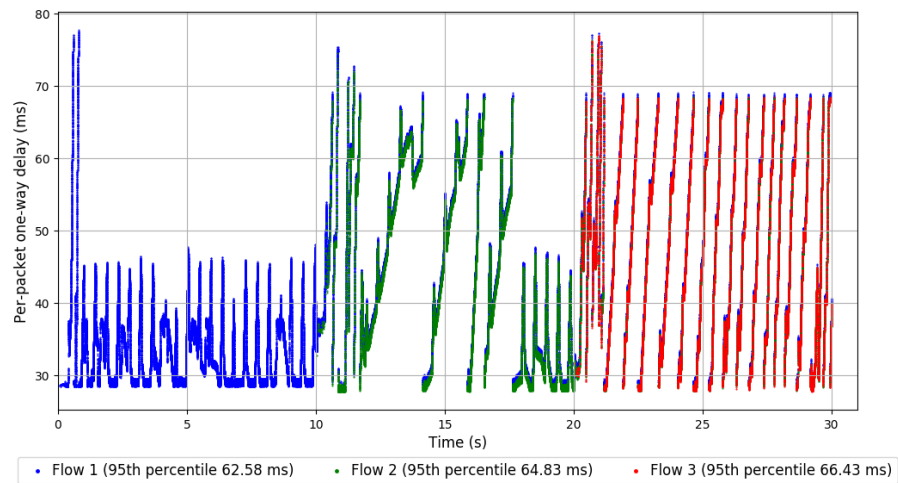
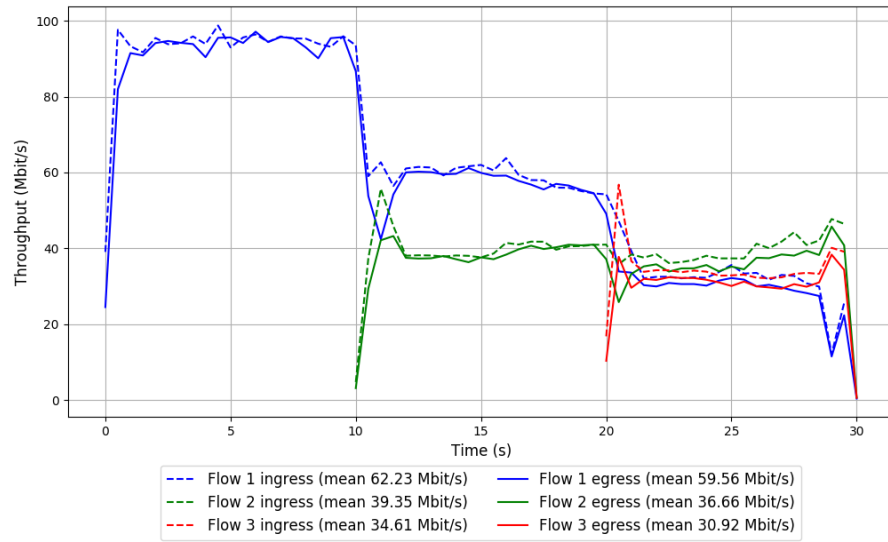


Run 6: Statistics of TCP BBR

Start at: 2018-02-13 19:57:10
End at: 2018-02-13 19:57:40
Local clock offset: 1.443 ms
Remote clock offset: -11.867 ms

Below is generated by plot.py at 2018-02-13 22:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 63.996 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 62.580 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 64.834 ms
Loss rate: 6.81%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 10.59%

Run 6: Report of TCP BBR — Data Link

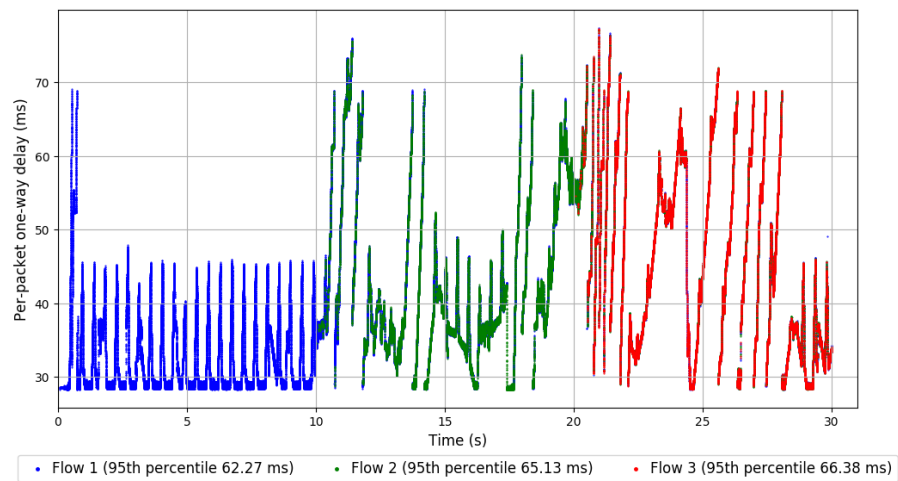
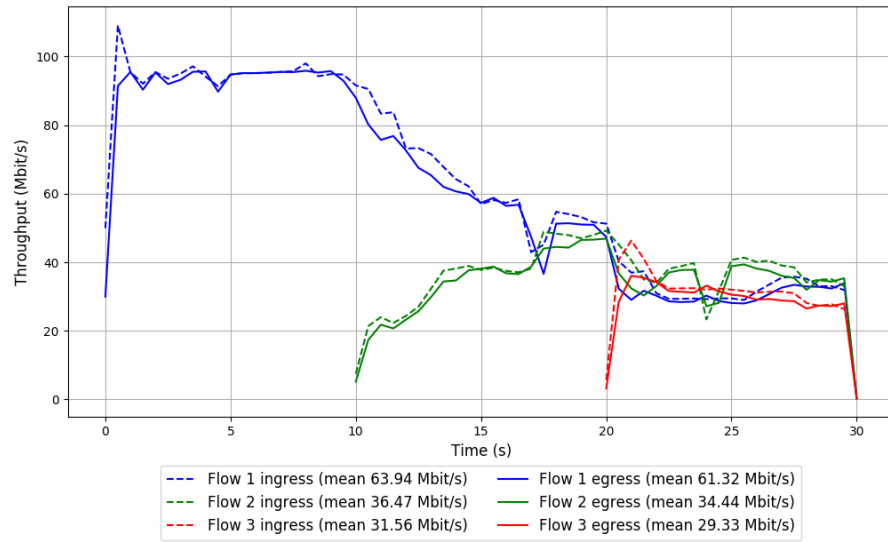


Run 7: Statistics of TCP BBR

Start at: 2018-02-13 20:23:03
End at: 2018-02-13 20:23:33
Local clock offset: -0.058 ms
Remote clock offset: -9.568 ms

Below is generated by plot.py at 2018-02-13 22:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 63.922 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 62.274 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 65.127 ms
Loss rate: 5.56%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 66.377 ms
Loss rate: 7.26%

Run 7: Report of TCP BBR — Data Link

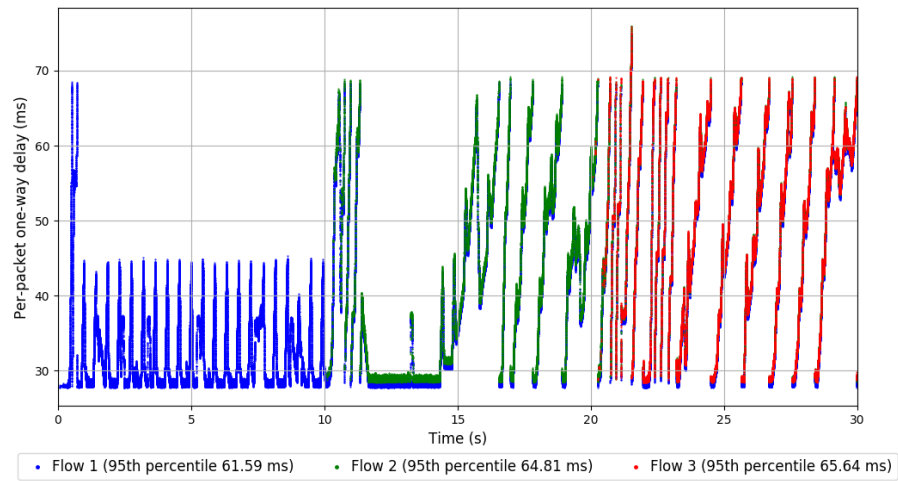
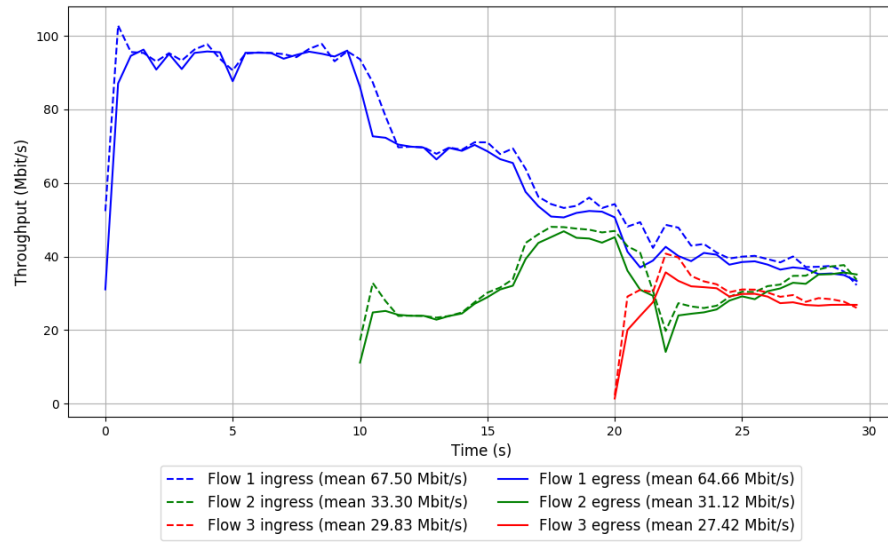


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 20:48:24
End at: 2018-02-13 20:48:54
Local clock offset: -0.433 ms
Remote clock offset: -6.846 ms

Below is generated by plot.py at 2018-02-13 22:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 63.527 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 61.585 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 64.815 ms
Loss rate: 6.57%
-- Flow 3:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 65.639 ms
Loss rate: 8.34%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-13 21:13:55

End at: 2018-02-13 21:14:25

Local clock offset: -0.254 ms

Remote clock offset: 3.979 ms

Below is generated by plot.py at 2018-02-13 22:26:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 65.441 ms

Loss rate: 4.93%

-- Flow 1:

Average throughput: 62.19 Mbit/s

95th percentile per-packet one-way delay: 64.667 ms

Loss rate: 4.11%

-- Flow 2:

Average throughput: 38.84 Mbit/s

95th percentile per-packet one-way delay: 66.035 ms

Loss rate: 6.13%

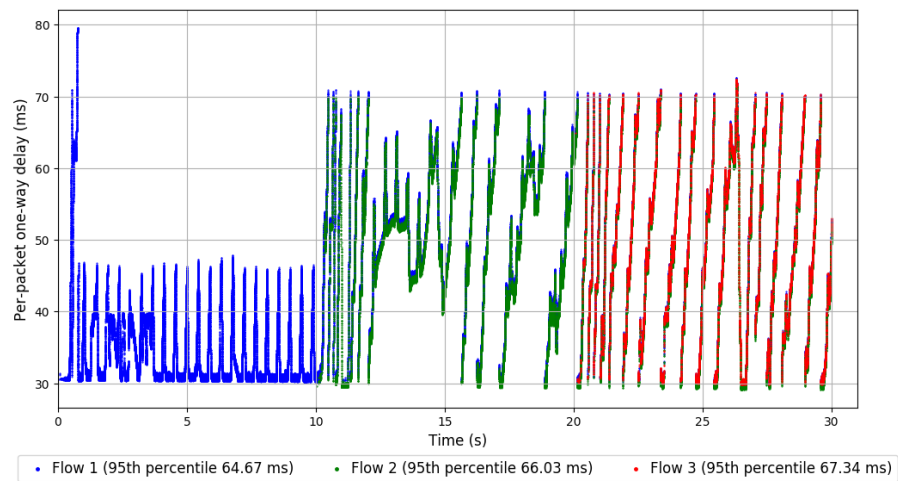
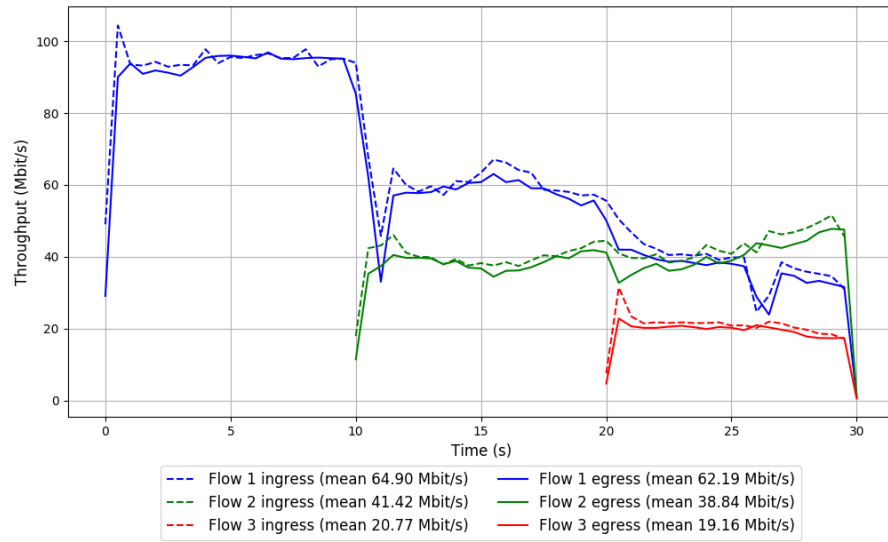
-- Flow 3:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 67.336 ms

Loss rate: 7.83%

Run 9: Report of TCP BBR — Data Link

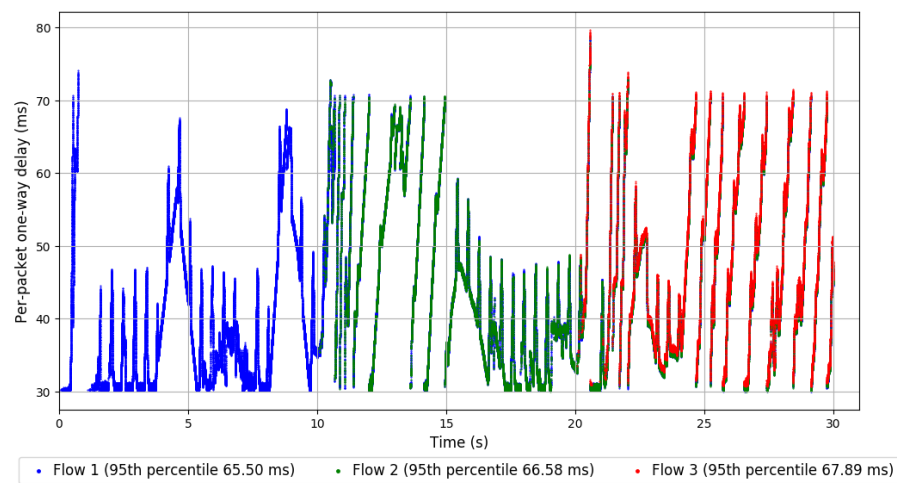
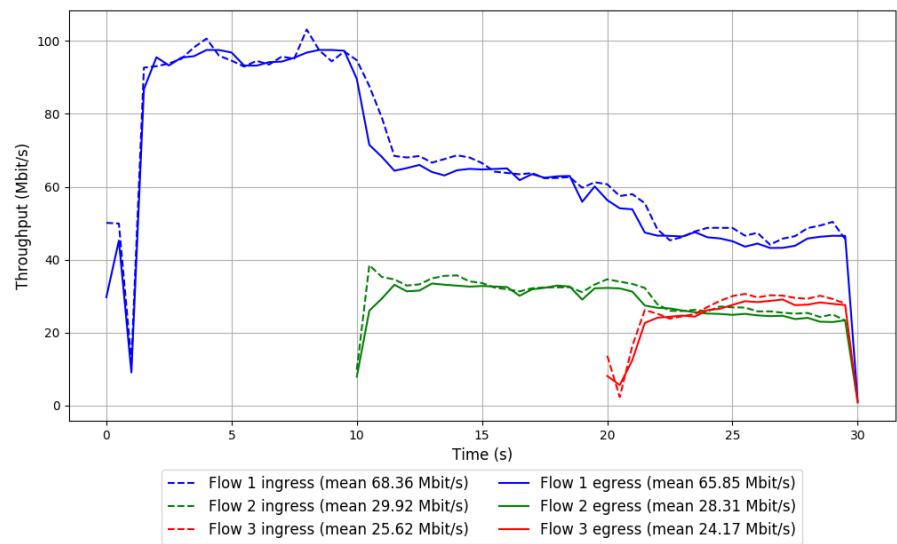


Run 10: Statistics of TCP BBR

Start at: 2018-02-13 21:39:44
End at: 2018-02-13 21:40:14
Local clock offset: -5.056 ms
Remote clock offset: 17.363 ms

Below is generated by plot.py at 2018-02-13 22:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 66.003 ms
Loss rate: 4.15%
-- Flow 1:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 65.505 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 28.31 Mbit/s
95th percentile per-packet one-way delay: 66.584 ms
Loss rate: 5.36%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 67.893 ms
Loss rate: 5.57%

Run 10: Report of TCP BBR — Data Link

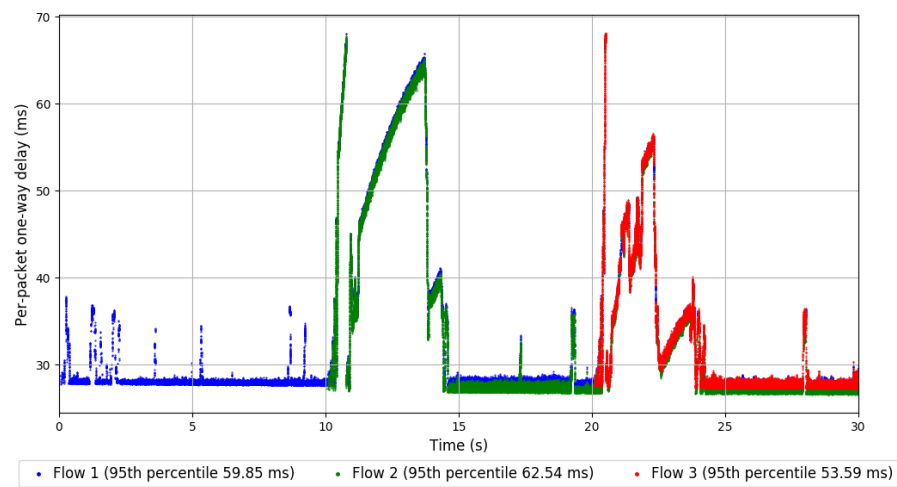
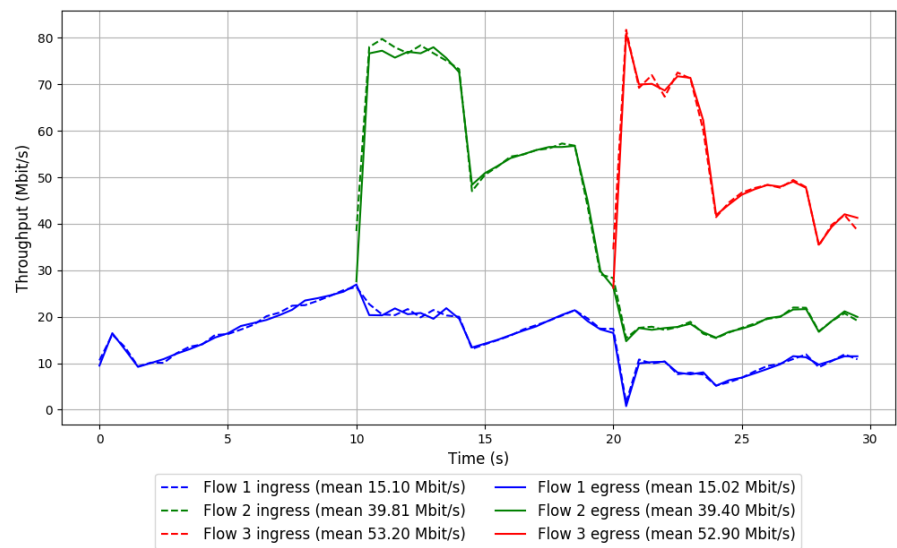


Run 1: Statistics of TCP Cubic

Start at: 2018-02-13 17:50:26
End at: 2018-02-13 17:50:56
Local clock offset: 1.332 ms
Remote clock offset: 12.252 ms

Below is generated by plot.py at 2018-02-13 22:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 60.757 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 59.855 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 62.544 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 53.591 ms
Loss rate: 0.55%

Run 1: Report of TCP Cubic — Data Link

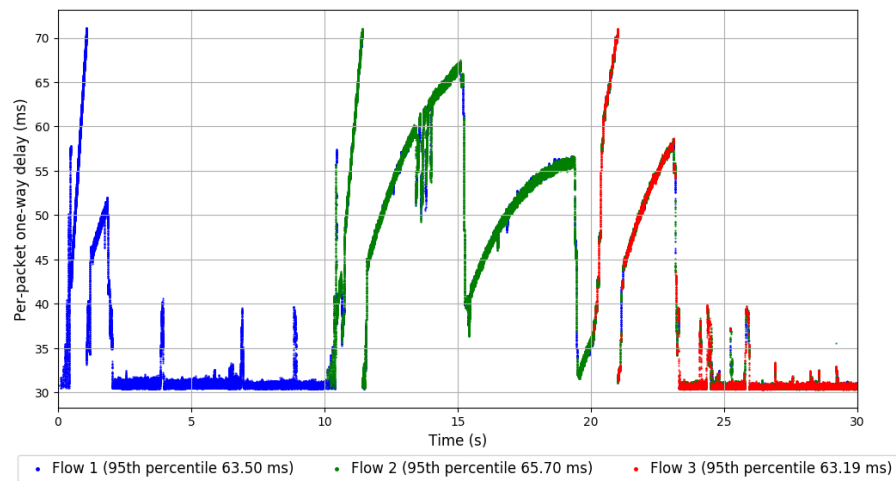
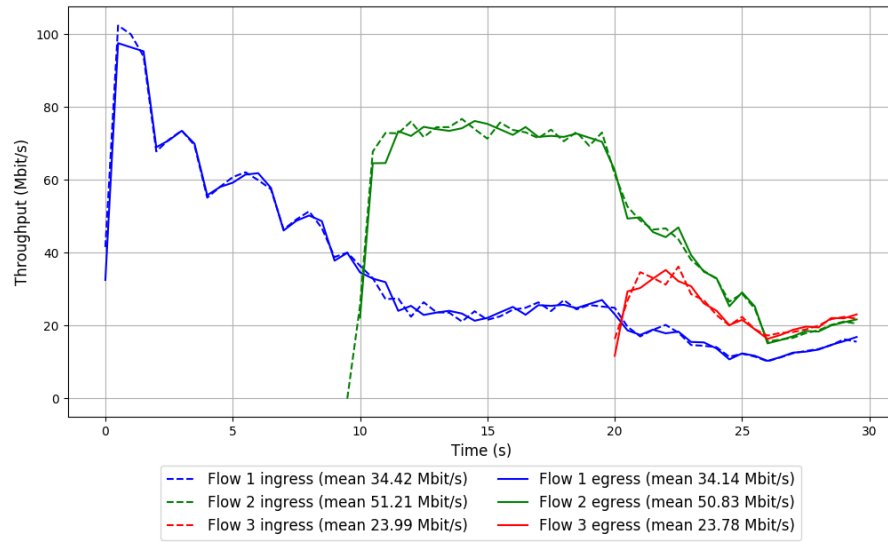


Run 2: Statistics of TCP Cubic

Start at: 2018-02-13 18:16:44
End at: 2018-02-13 18:17:14
Local clock offset: -3.436 ms
Remote clock offset: 21.778 ms

Below is generated by plot.py at 2018-02-13 22:26:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.90 Mbit/s
95th percentile per-packet one-way delay: 65.091 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 63.500 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 65.704 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 63.186 ms
Loss rate: 0.92%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-02-13 18:42:25

End at: 2018-02-13 18:42:55

Local clock offset: 0.914 ms

Remote clock offset: 5.496 ms

Below is generated by plot.py at 2018-02-13 22:26:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 69.186 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 62.63 Mbit/s

95th percentile per-packet one-way delay: 69.423 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 29.71 Mbit/s

95th percentile per-packet one-way delay: 69.046 ms

Loss rate: 0.45%

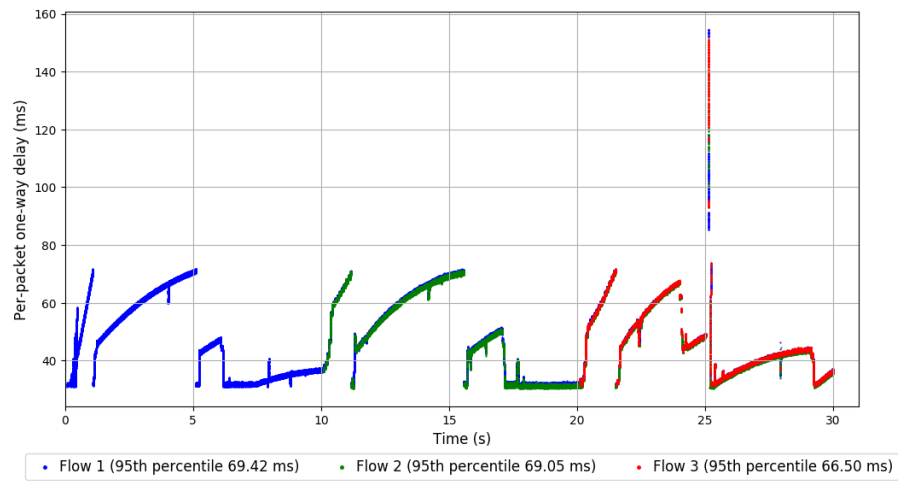
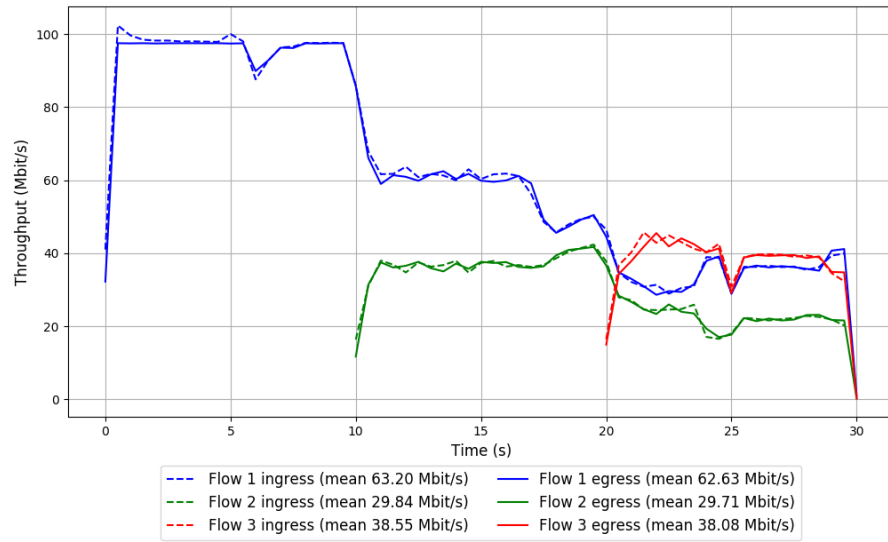
-- Flow 3:

Average throughput: 38.08 Mbit/s

95th percentile per-packet one-way delay: 66.499 ms

Loss rate: 1.18%

Run 3: Report of TCP Cubic — Data Link

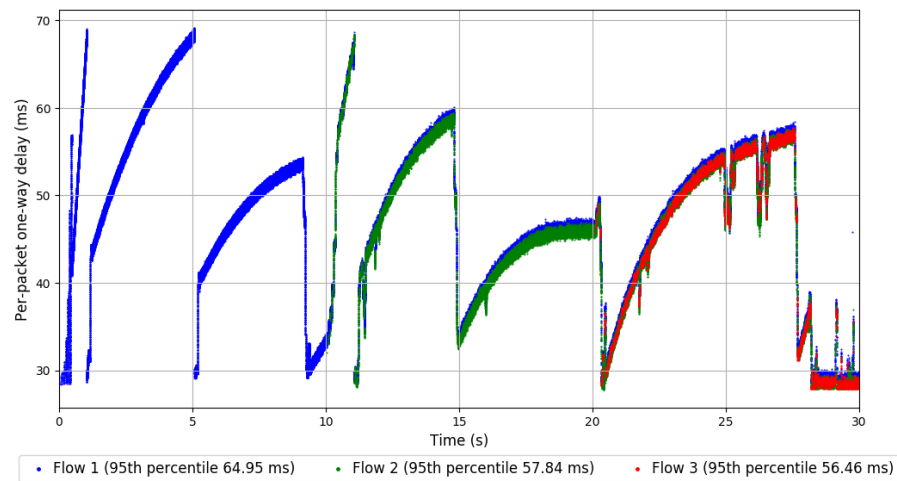
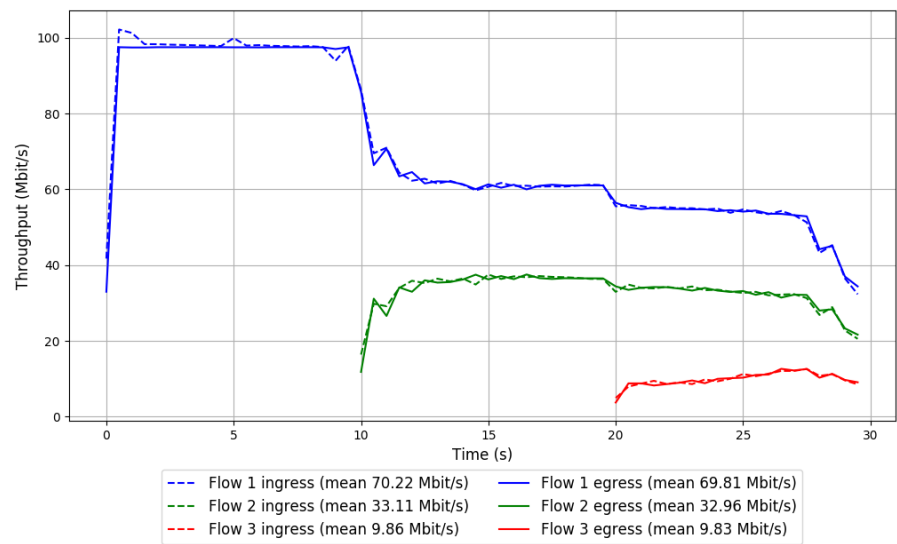


Run 4: Statistics of TCP Cubic

Start at: 2018-02-13 19:07:25
End at: 2018-02-13 19:07:55
Local clock offset: 1.639 ms
Remote clock offset: -4.946 ms

Below is generated by plot.py at 2018-02-13 22:26:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 63.759 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 64.953 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 57.845 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 56.460 ms
Loss rate: 0.42%

Run 4: Report of TCP Cubic — Data Link

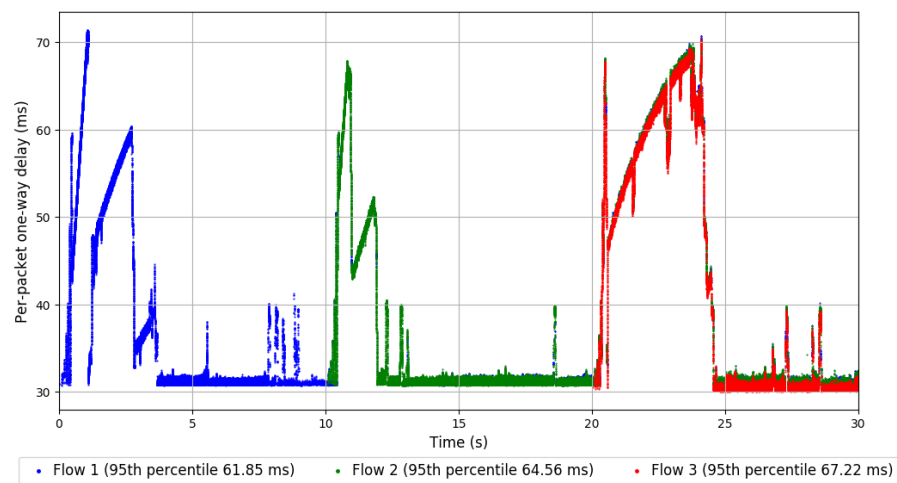
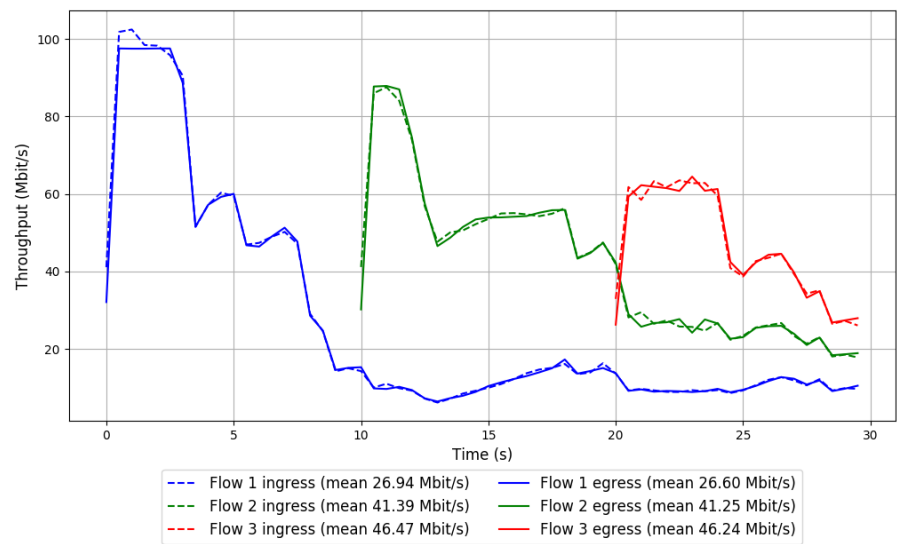


Run 5: Statistics of TCP Cubic

Start at: 2018-02-13 19:33:04
End at: 2018-02-13 19:33:34
Local clock offset: 1.937 ms
Remote clock offset: -7.131 ms

Below is generated by plot.py at 2018-02-13 22:26:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 65.552 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 61.849 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 64.559 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 67.219 ms
Loss rate: 0.48%

Run 5: Report of TCP Cubic — Data Link

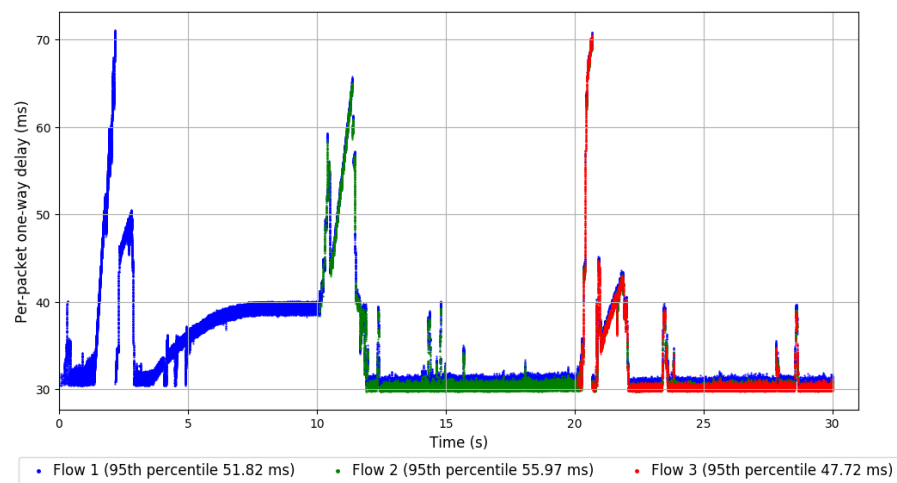
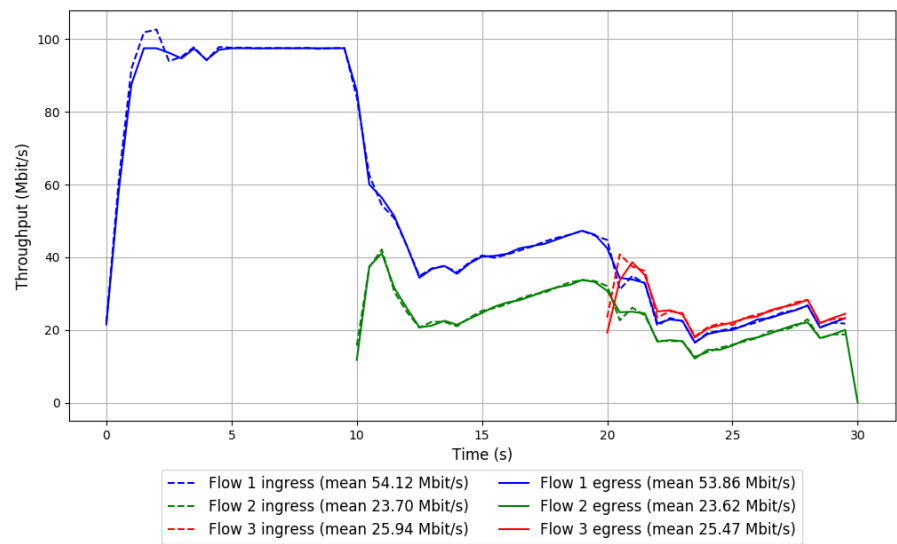


Run 6: Statistics of TCP Cubic

Start at: 2018-02-13 19:58:42
End at: 2018-02-13 19:59:12
Local clock offset: 1.376 ms
Remote clock offset: -10.024 ms

Below is generated by plot.py at 2018-02-13 22:26:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 52.962 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 51.818 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 55.968 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 47.718 ms
Loss rate: 1.81%

Run 6: Report of TCP Cubic — Data Link

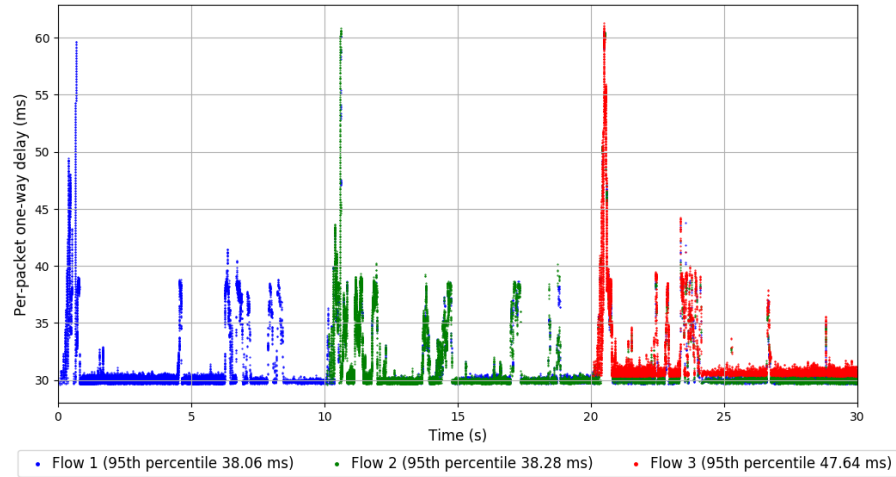
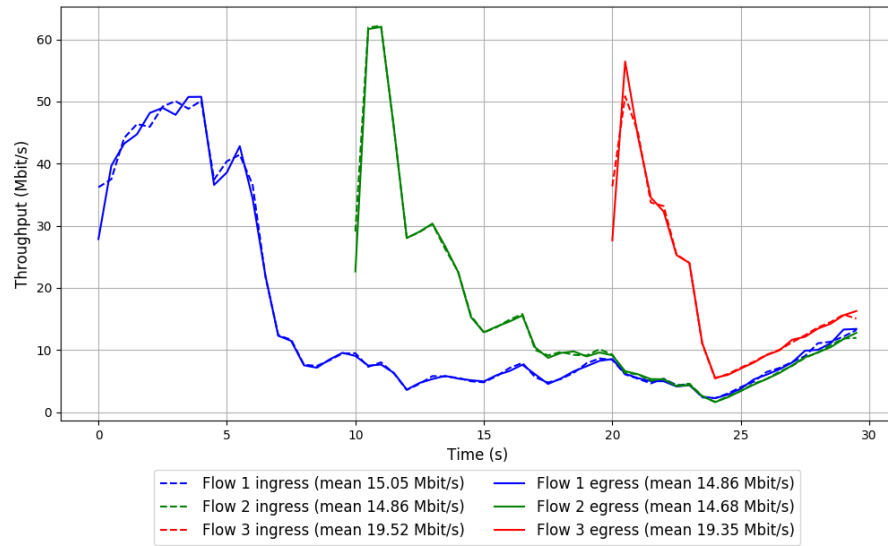


Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 20:24:29
End at: 2018-02-13 20:24:59
Local clock offset: -0.141 ms
Remote clock offset: -7.604 ms

Below is generated by plot.py at 2018-02-13 22:26:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 38.512 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 38.062 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 38.285 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 47.637 ms
Loss rate: 0.91%

Run 7: Report of TCP Cubic — Data Link

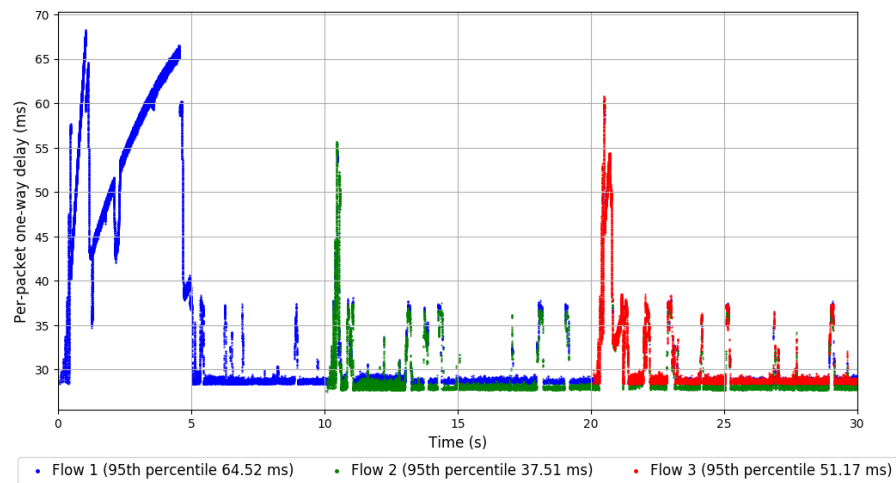
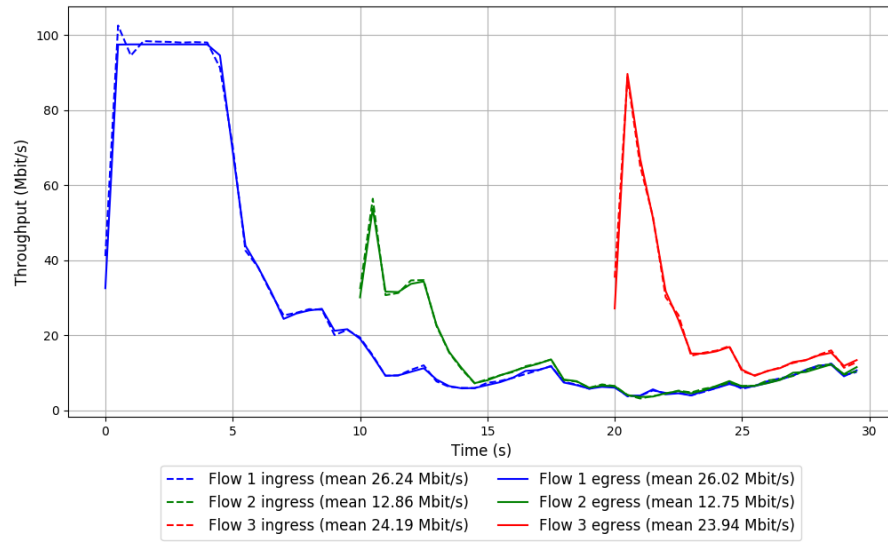


Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 20:49:50
End at: 2018-02-13 20:50:20
Local clock offset: -0.246 ms
Remote clock offset: -6.709 ms

Below is generated by plot.py at 2018-02-13 22:26:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 63.500 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 37.514 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 51.172 ms
Loss rate: 1.01%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 21:15:21

End at: 2018-02-13 21:15:51

Local clock offset: -0.377 ms

Remote clock offset: 5.792 ms

Below is generated by plot.py at 2018-02-13 22:27:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 60.302 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 56.438 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 29.46 Mbit/s

95th percentile per-packet one-way delay: 63.053 ms

Loss rate: 0.96%

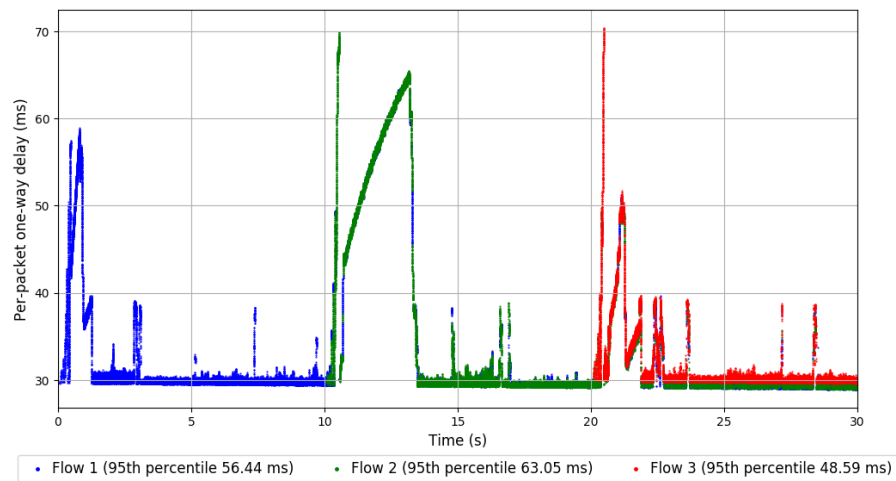
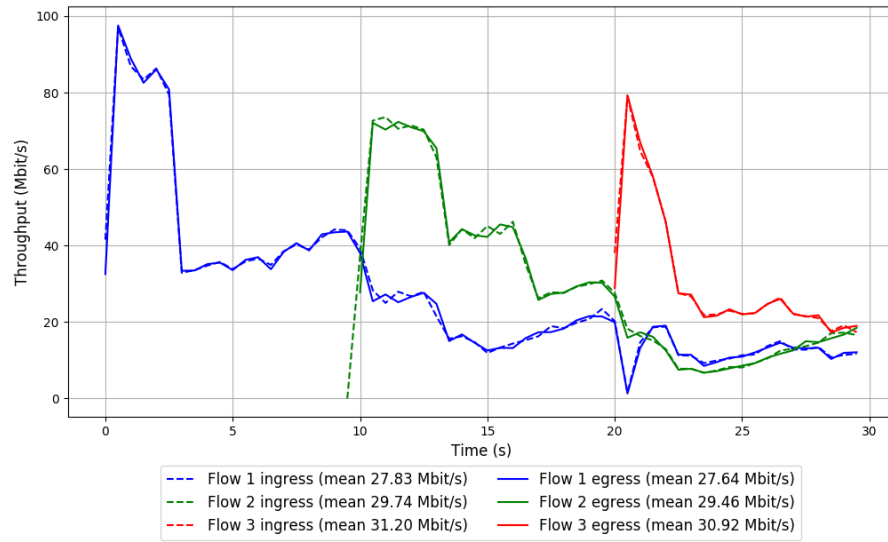
-- Flow 3:

Average throughput: 30.92 Mbit/s

95th percentile per-packet one-way delay: 48.595 ms

Loss rate: 0.90%

Run 9: Report of TCP Cubic — Data Link

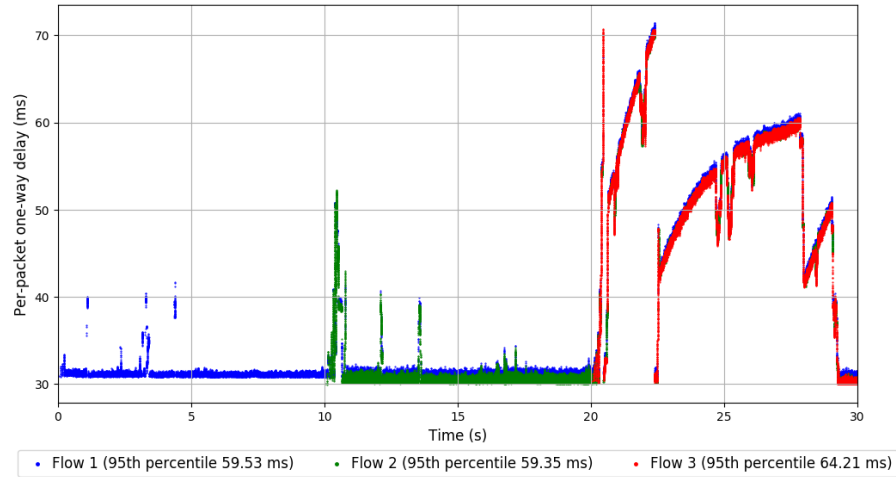
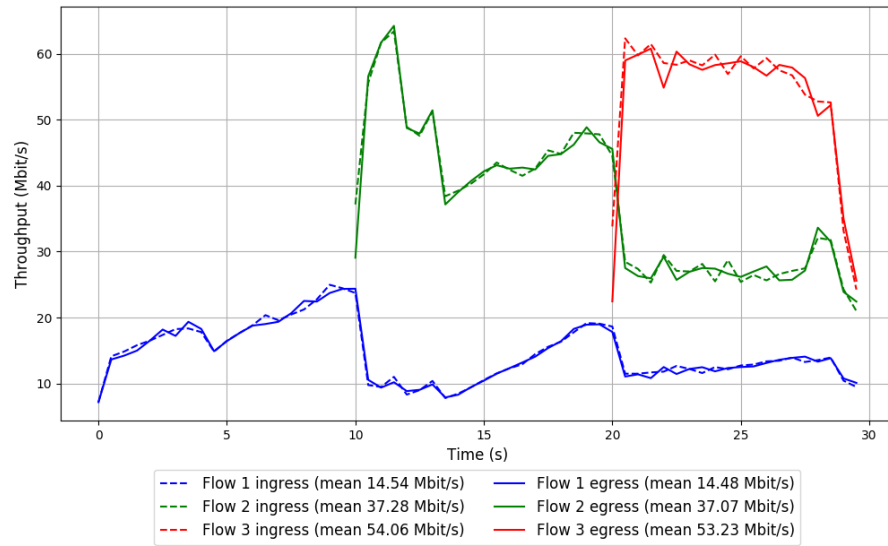


Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 21:41:14
End at: 2018-02-13 21:41:44
Local clock offset: -5.171 ms
Remote clock offset: 17.755 ms

Below is generated by plot.py at 2018-02-13 22:27:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 61.059 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 14.48 Mbit/s
95th percentile per-packet one-way delay: 59.530 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 59.348 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 1.53%

Run 10: Report of TCP Cubic — Data Link

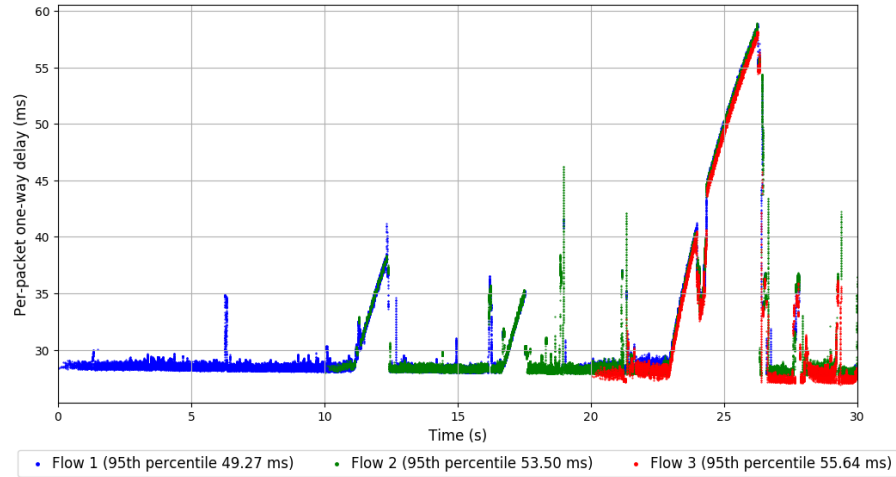
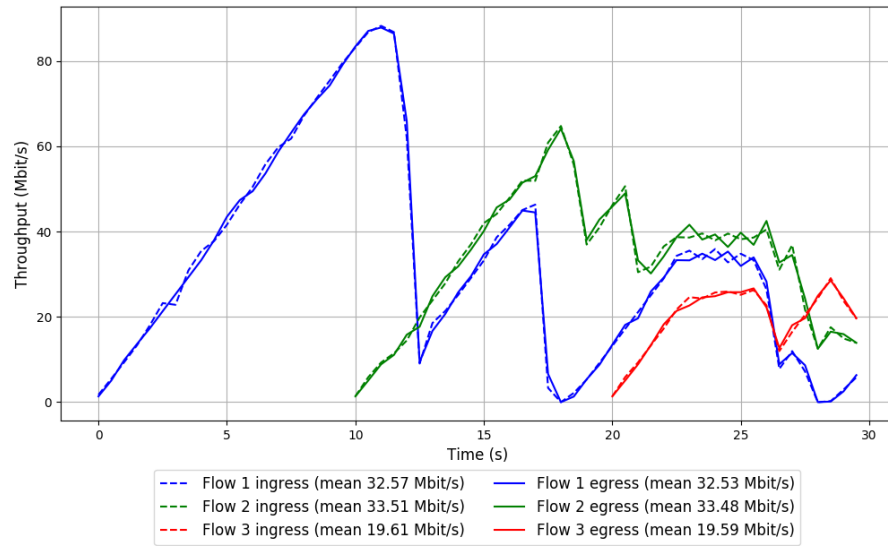


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-13 17:44:43
End at: 2018-02-13 17:45:13
Local clock offset: 1.287 ms
Remote clock offset: 7.421 ms

# Below is generated by plot.py at 2018-02-13 22:27:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 52.775 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 49.271 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 53.502 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 55.643 ms
Loss rate: 0.12%
```

Run 1: Report of LEDBAT — Data Link

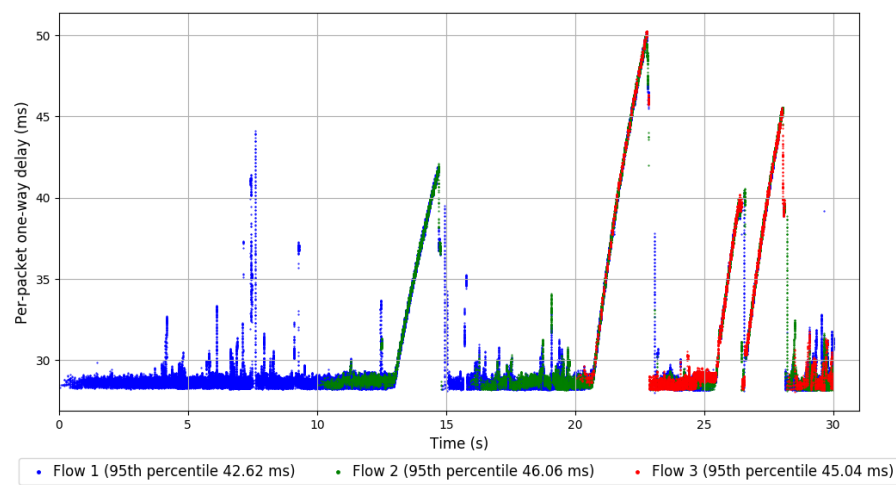
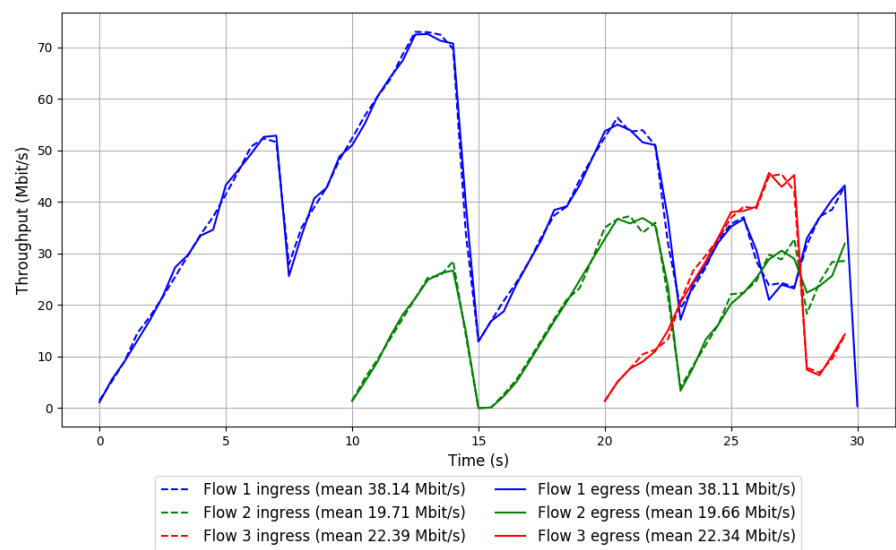


Run 2: Statistics of LEDBAT

Start at: 2018-02-13 18:10:50
End at: 2018-02-13 18:11:20
Local clock offset: -3.0 ms
Remote clock offset: 18.697 ms

Below is generated by plot.py at 2018-02-13 22:27:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 44.361 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 42.624 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 46.056 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 45.041 ms
Loss rate: 0.25%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-02-13 18:36:48

End at: 2018-02-13 18:37:18

Local clock offset: 0.289 ms

Remote clock offset: 6.905 ms

Below is generated by plot.py at 2018-02-13 22:27:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.79 Mbit/s

95th percentile per-packet one-way delay: 66.897 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 43.09 Mbit/s

95th percentile per-packet one-way delay: 67.392 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 67.152 ms

Loss rate: 0.35%

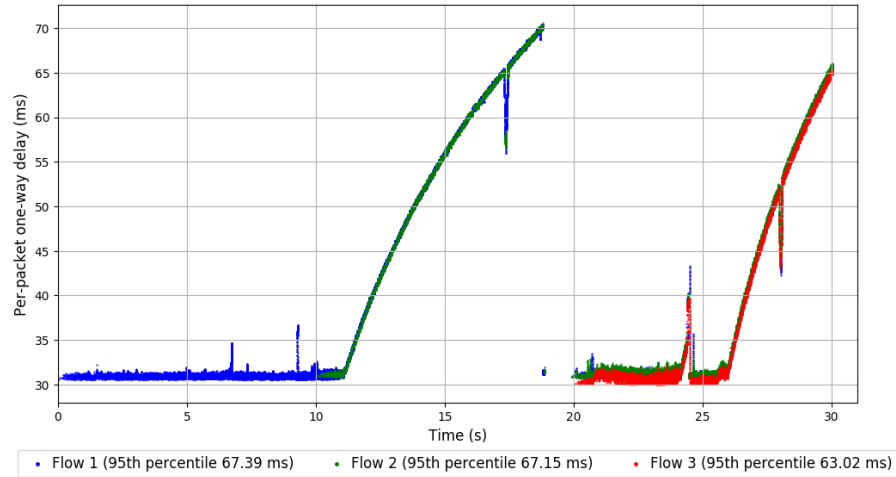
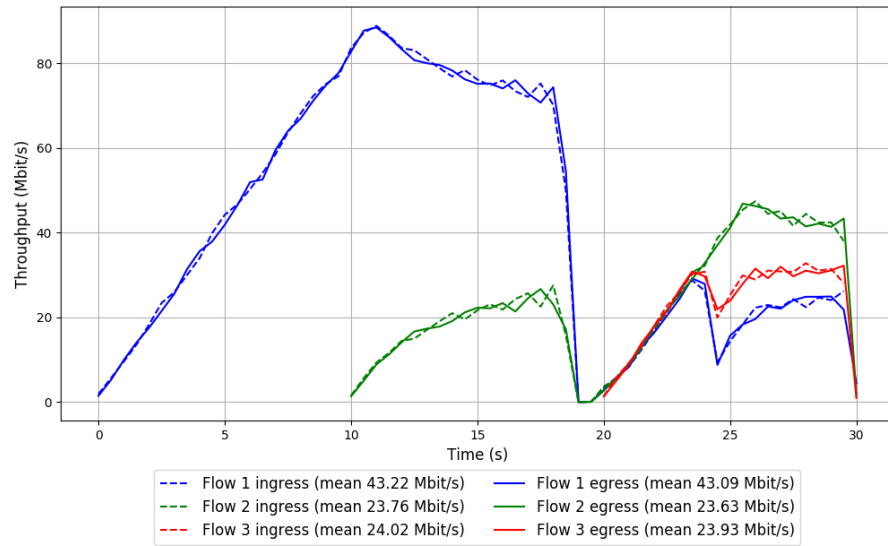
-- Flow 3:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 63.018 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

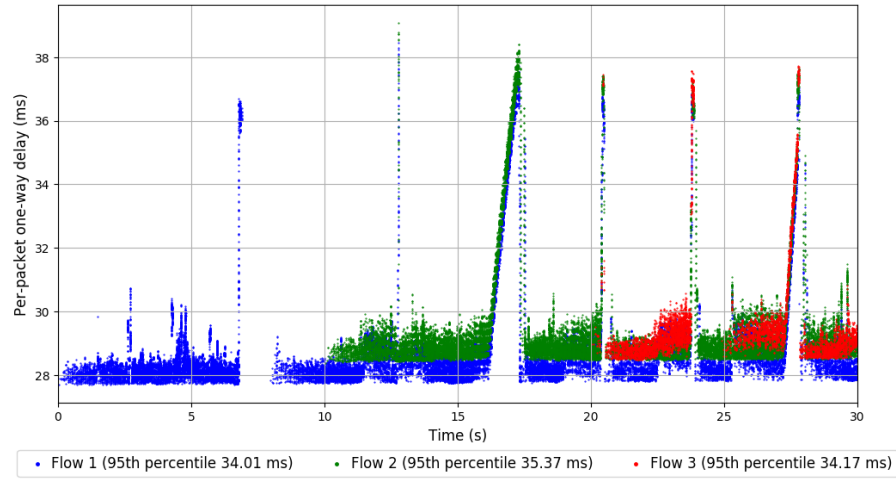
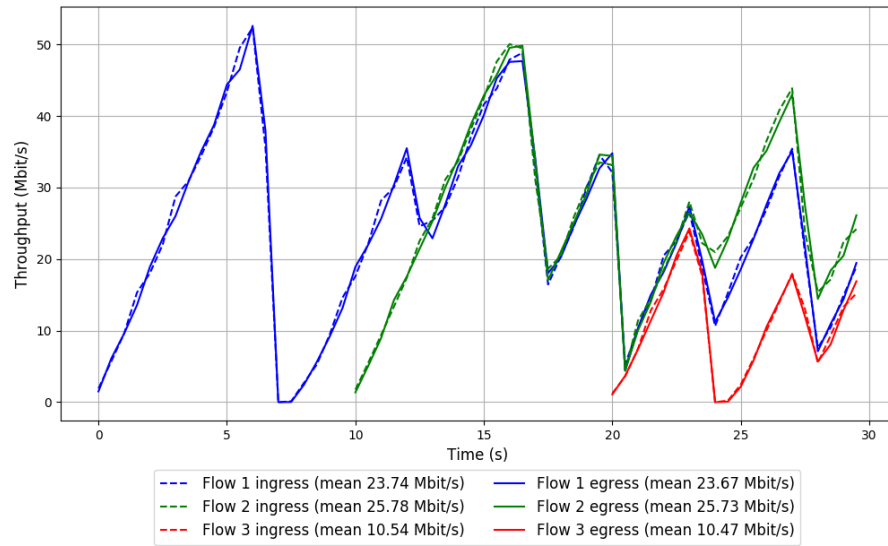


Run 4: Statistics of LEDBAT

Start at: 2018-02-13 19:02:02
End at: 2018-02-13 19:02:32
Local clock offset: 1.856 ms
Remote clock offset: -3.148 ms

Below is generated by plot.py at 2018-02-13 22:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 34.582 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 34.010 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 35.368 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 34.171 ms
Loss rate: 0.70%

Run 4: Report of LEDBAT — Data Link

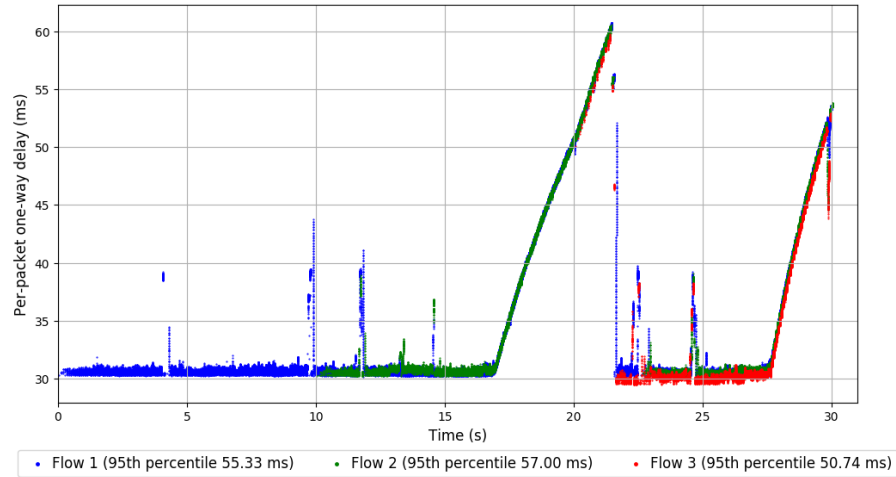
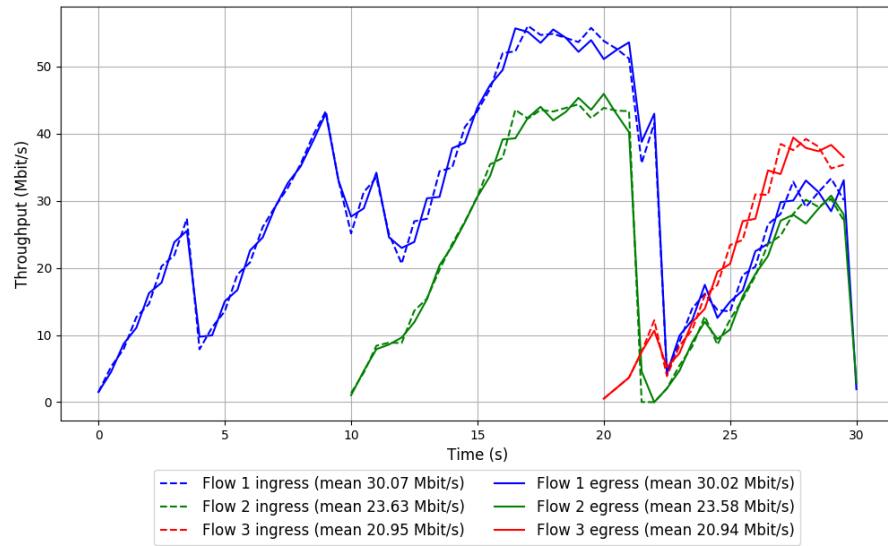


Run 5: Statistics of LEDBAT

Start at: 2018-02-13 19:27:27
End at: 2018-02-13 19:27:57
Local clock offset: 1.914 ms
Remote clock offset: -8.141 ms

Below is generated by plot.py at 2018-02-13 22:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 55.723 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 55.326 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 56.999 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 50.737 ms
Loss rate: 0.05%

Run 5: Report of LEDBAT — Data Link

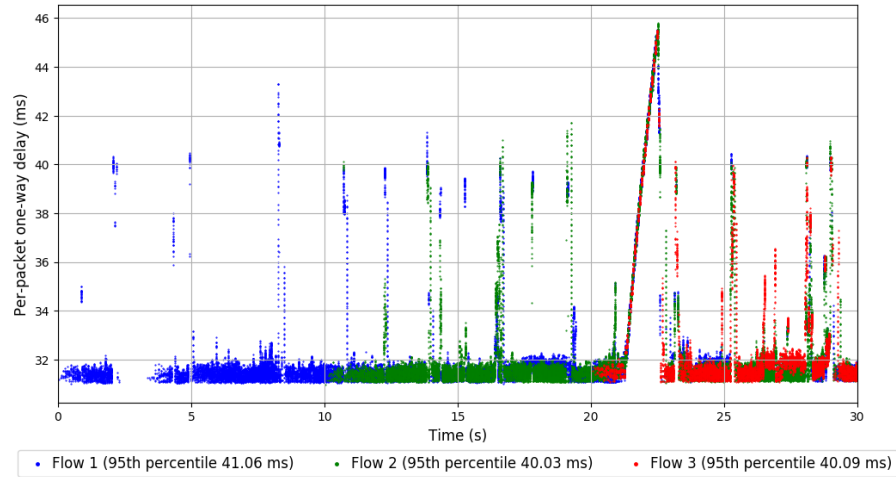
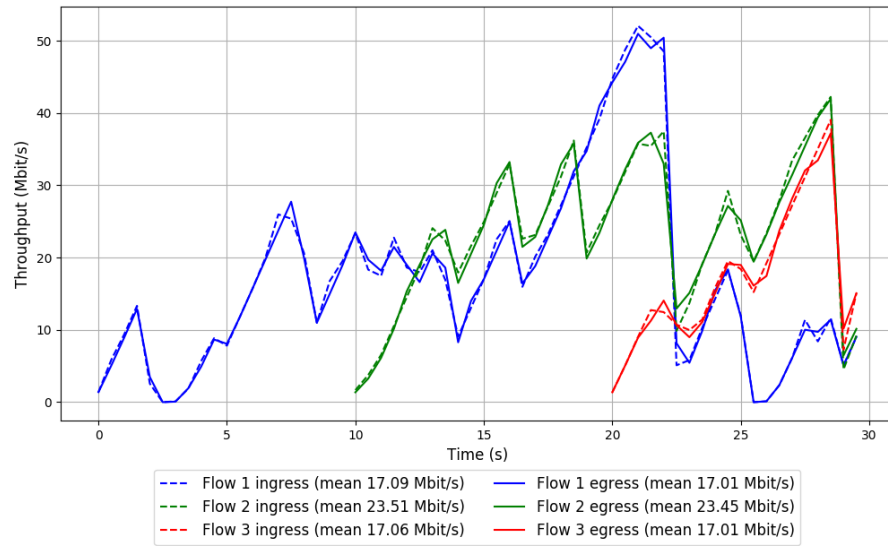


Run 6: Statistics of LEDBAT

Start at: 2018-02-13 19:53:03
End at: 2018-02-13 19:53:33
Local clock offset: 1.362 ms
Remote clock offset: -8.835 ms

Below is generated by plot.py at 2018-02-13 22:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 40.390 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 41.062 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 40.094 ms
Loss rate: 0.33%

Run 6: Report of LEDBAT — Data Link

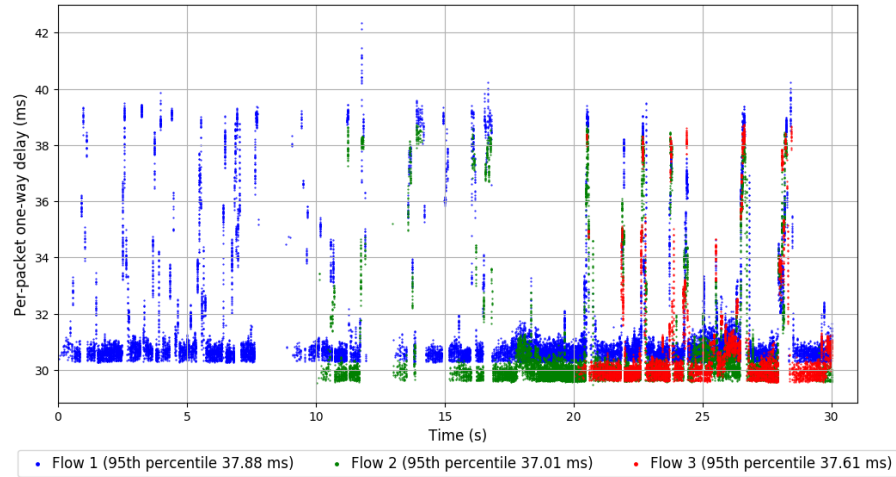
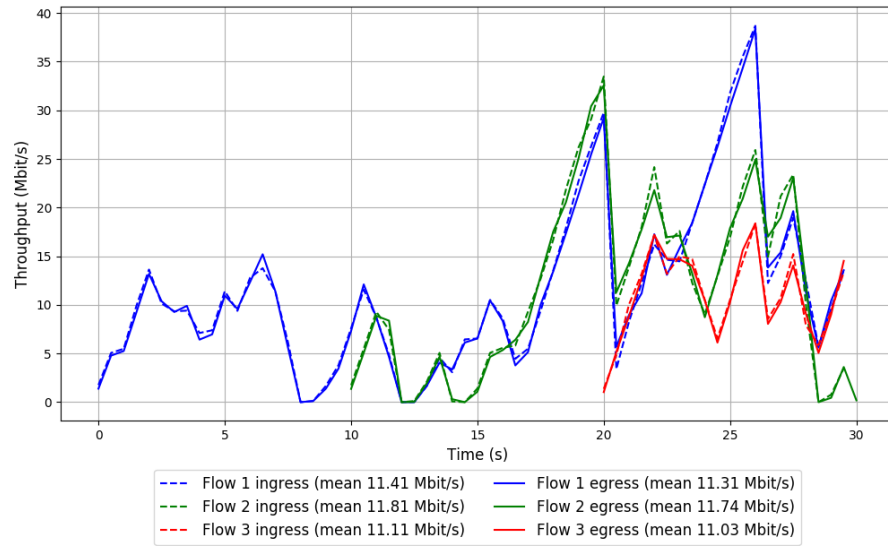


Run 7: Statistics of LEDBAT

Start at: 2018-02-13 20:18:59
End at: 2018-02-13 20:19:29
Local clock offset: 0.209 ms
Remote clock offset: -7.442 ms

Below is generated by plot.py at 2018-02-13 22:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 37.565 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 37.883 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 37.007 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 37.607 ms
Loss rate: 0.71%

Run 7: Report of LEDBAT — Data Link

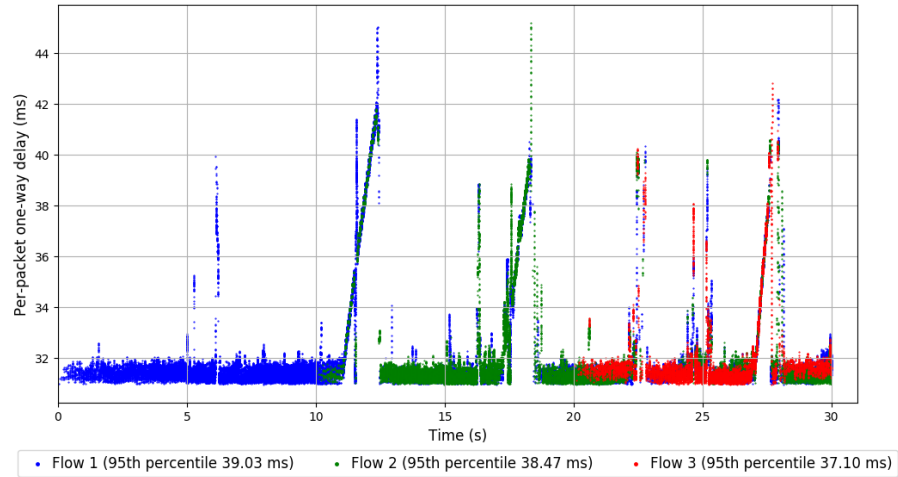
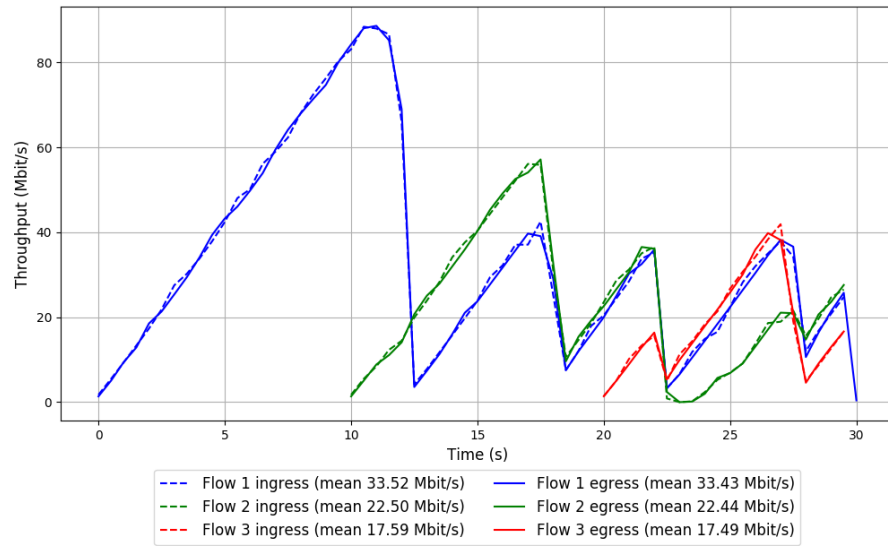


Run 8: Statistics of LEDBAT

Start at: 2018-02-13 20:44:12
End at: 2018-02-13 20:44:42
Local clock offset: -0.739 ms
Remote clock offset: -4.772 ms

Below is generated by plot.py at 2018-02-13 22:28:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 38.629 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 39.027 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 38.472 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 37.103 ms
Loss rate: 0.60%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-02-13 21:09:42

End at: 2018-02-13 21:10:12

Local clock offset: -0.117 ms

Remote clock offset: -2.23 ms

Below is generated by plot.py at 2018-02-13 22:28:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 34.016 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 33.401 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 34.234 ms

Loss rate: 0.45%

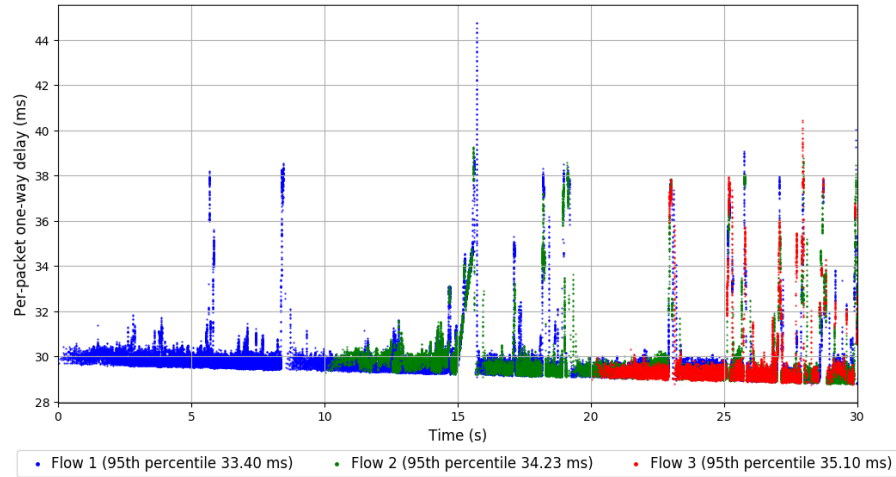
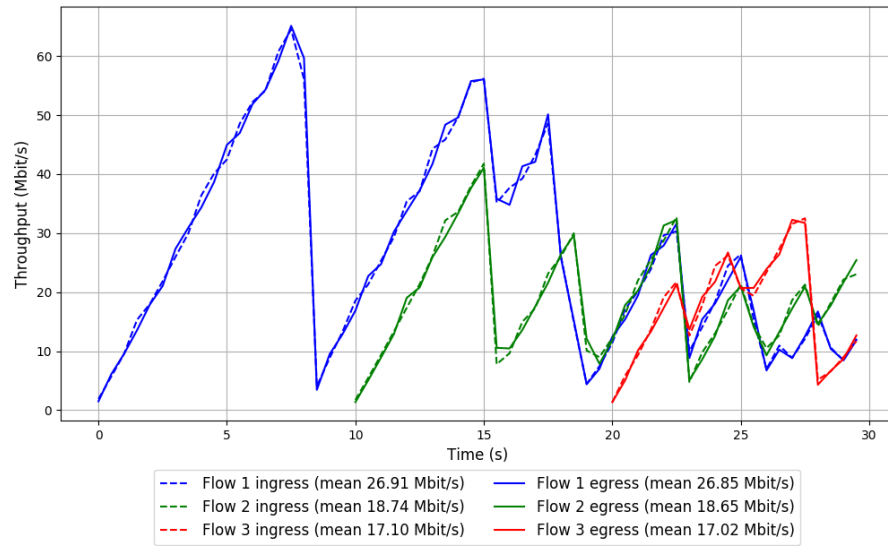
-- Flow 3:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 35.104 ms

Loss rate: 0.46%

Run 9: Report of LEDBAT — Data Link

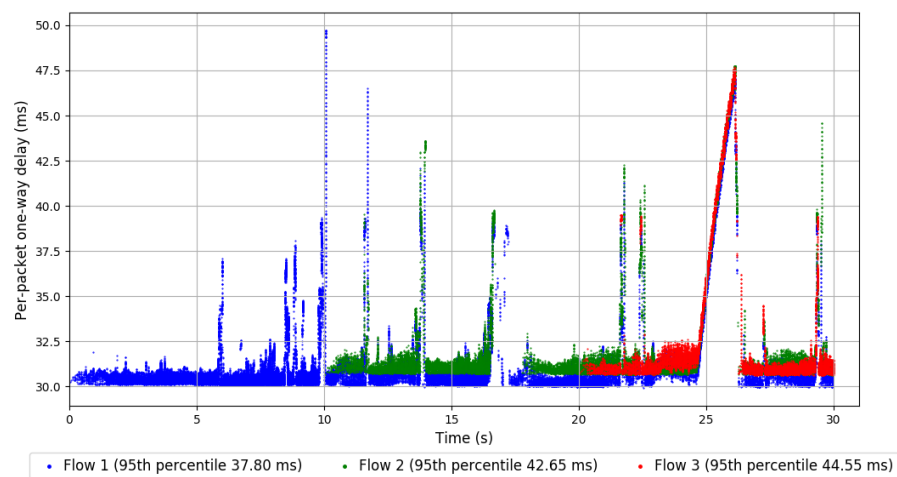
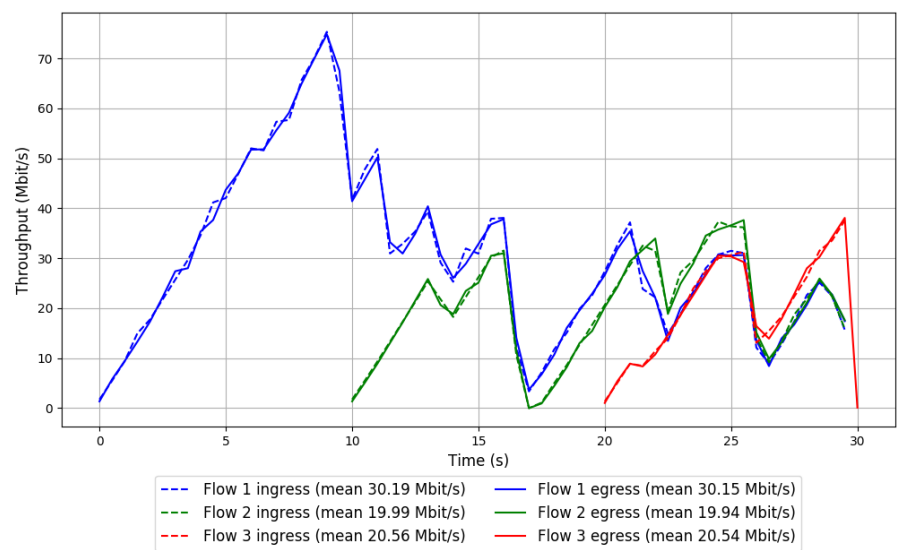


Run 10: Statistics of LEDBAT

Start at: 2018-02-13 21:35:28
End at: 2018-02-13 21:35:58
Local clock offset: -4.73 ms
Remote clock offset: 16.342 ms

Below is generated by plot.py at 2018-02-13 22:28:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 40.709 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 37.802 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 42.650 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 44.550 ms
Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link

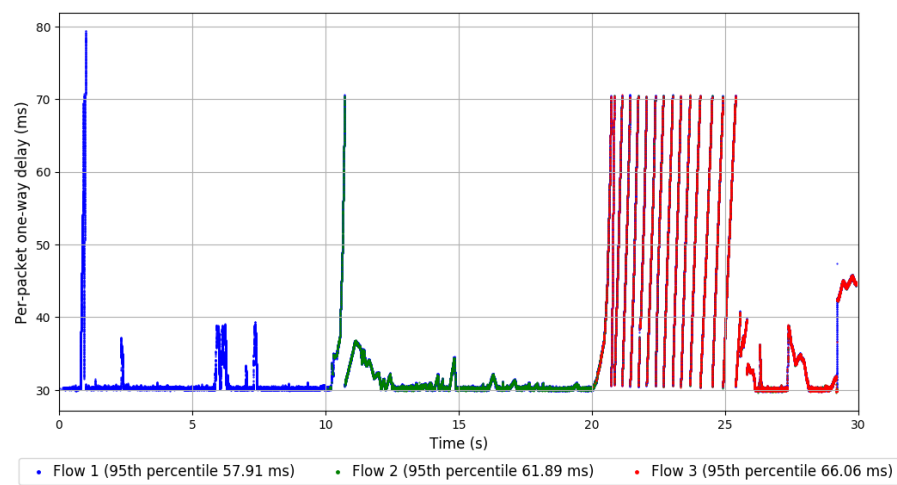
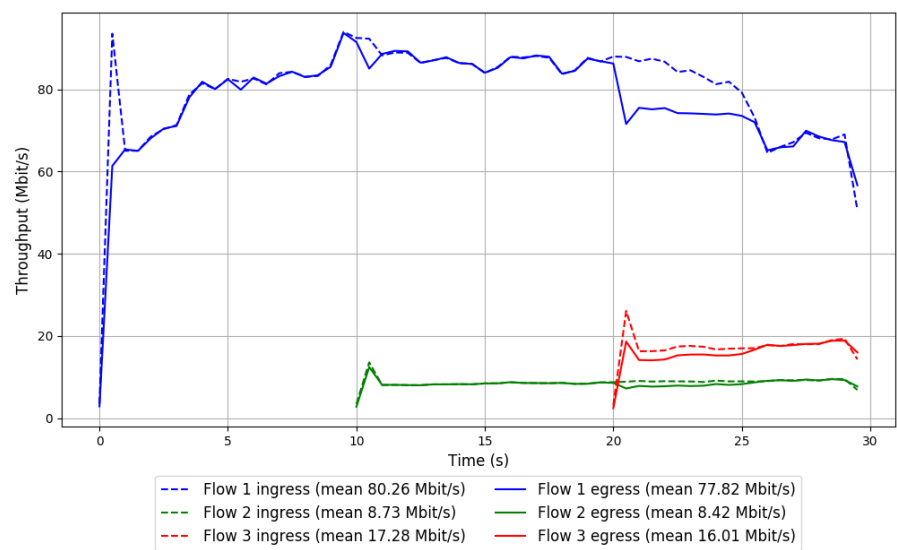


Run 1: Statistics of PCC

Start at: 2018-02-13 17:56:03
End at: 2018-02-13 17:56:33
Local clock offset: -0.807 ms
Remote clock offset: 17.119 ms

Below is generated by plot.py at 2018-02-13 22:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 59.499 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 57.910 ms
Loss rate: 2.99%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 61.892 ms
Loss rate: 3.53%
-- Flow 3:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 66.055 ms
Loss rate: 7.21%

Run 1: Report of PCC — Data Link

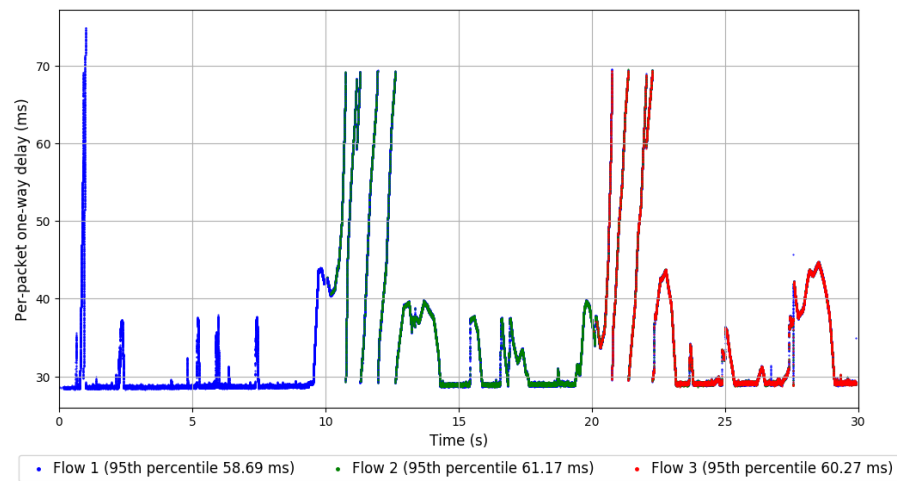
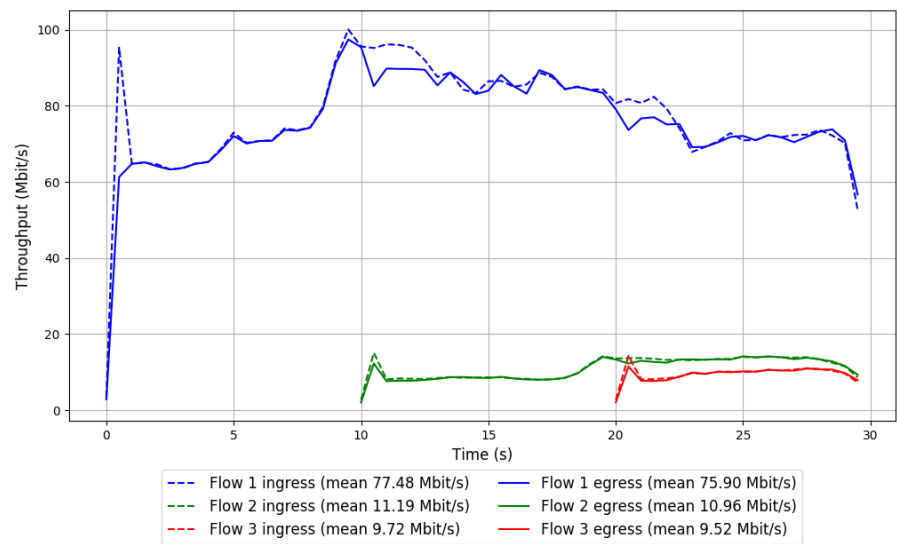


Run 2: Statistics of PCC

Start at: 2018-02-13 18:22:35
End at: 2018-02-13 18:23:05
Local clock offset: -3.731 ms
Remote clock offset: 13.456 ms

Below is generated by plot.py at 2018-02-13 22:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 59.107 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 75.90 Mbit/s
95th percentile per-packet one-way delay: 58.694 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 61.171 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 60.273 ms
Loss rate: 2.18%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-13 18:48:00

End at: 2018-02-13 18:48:30

Local clock offset: 1.396 ms

Remote clock offset: 3.975 ms

Below is generated by plot.py at 2018-02-13 22:28:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.83 Mbit/s

95th percentile per-packet one-way delay: 61.379 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 60.600 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 64.098 ms

Loss rate: 0.42%

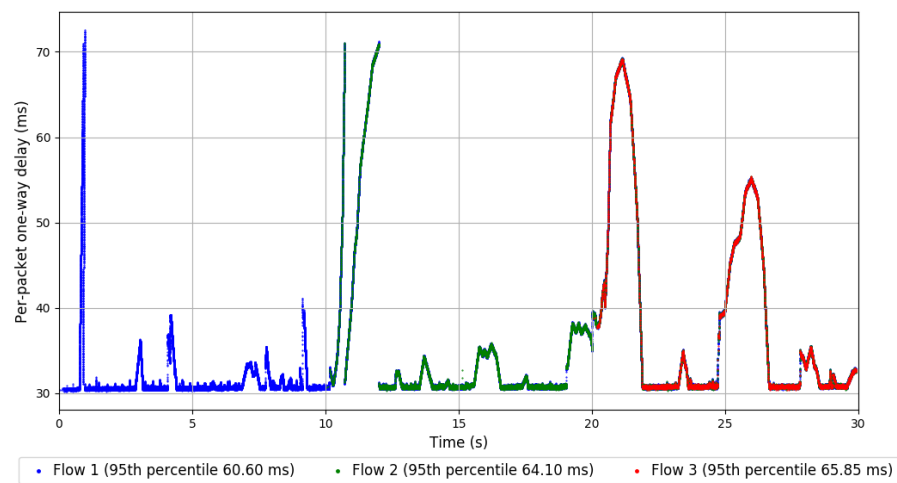
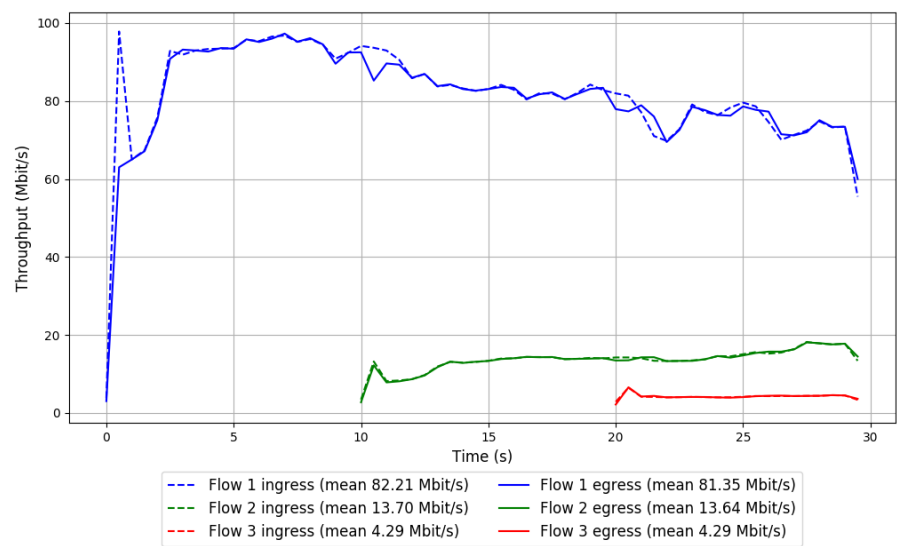
-- Flow 3:

Average throughput: 4.29 Mbit/s

95th percentile per-packet one-way delay: 65.852 ms

Loss rate: 0.06%

Run 3: Report of PCC — Data Link

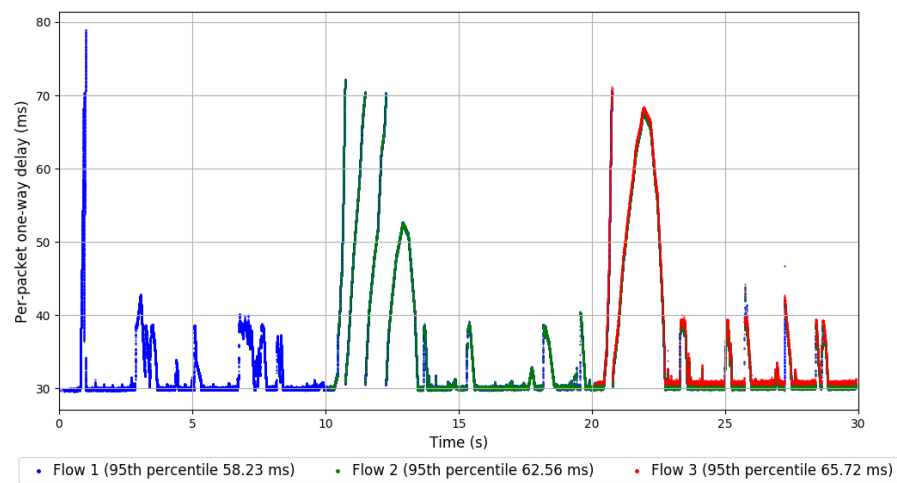
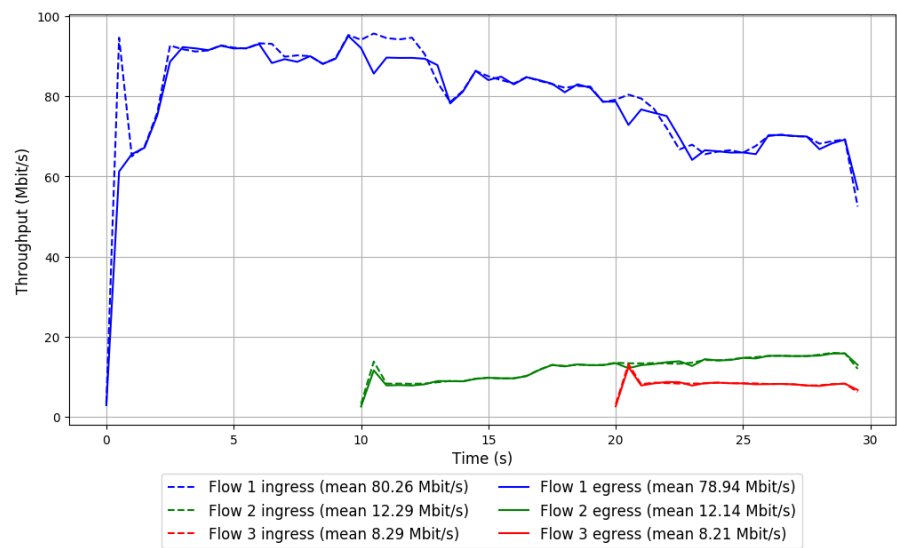


Run 4: Statistics of PCC

Start at: 2018-02-13 19:13:05
End at: 2018-02-13 19:13:35
Local clock offset: 1.753 ms
Remote clock offset: -4.571 ms

Below is generated by plot.py at 2018-02-13 22:29:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 59.363 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 58.231 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 62.562 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 65.715 ms
Loss rate: 0.94%

Run 4: Report of PCC — Data Link

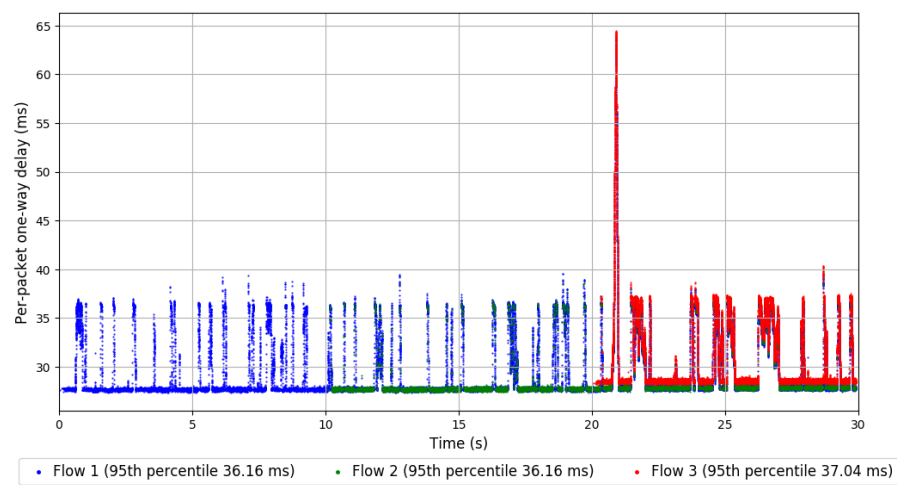
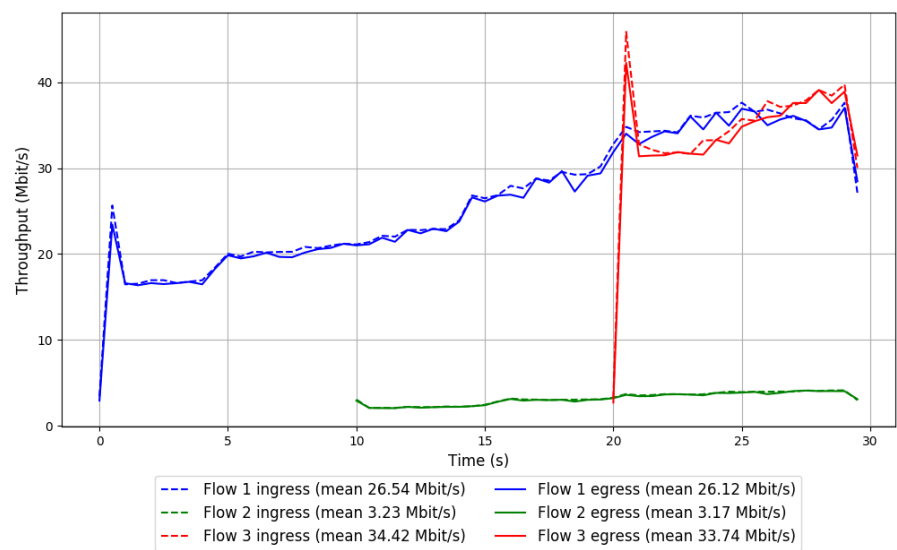


Run 5: Statistics of PCC

Start at: 2018-02-13 19:38:47
End at: 2018-02-13 19:39:17
Local clock offset: 1.645 ms
Remote clock offset: -9.915 ms

Below is generated by plot.py at 2018-02-13 22:29:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 36.373 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 36.158 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 36.164 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 37.042 ms
Loss rate: 1.98%

Run 5: Report of PCC — Data Link

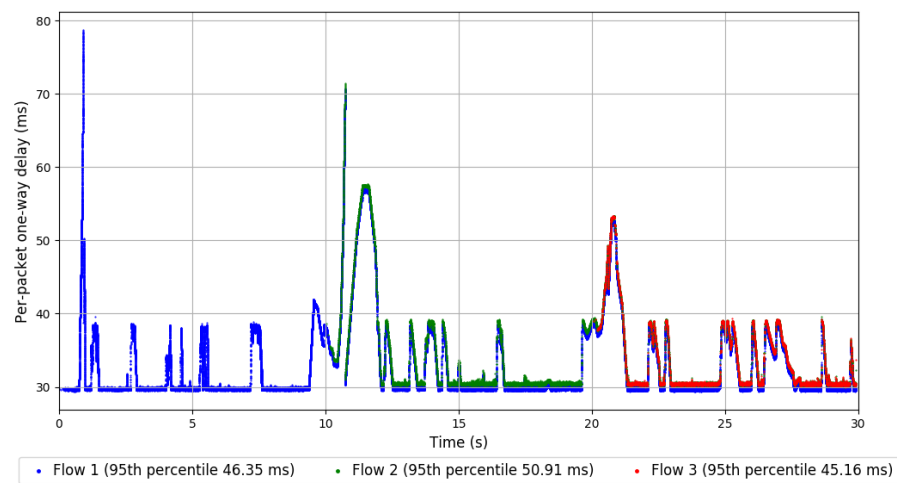
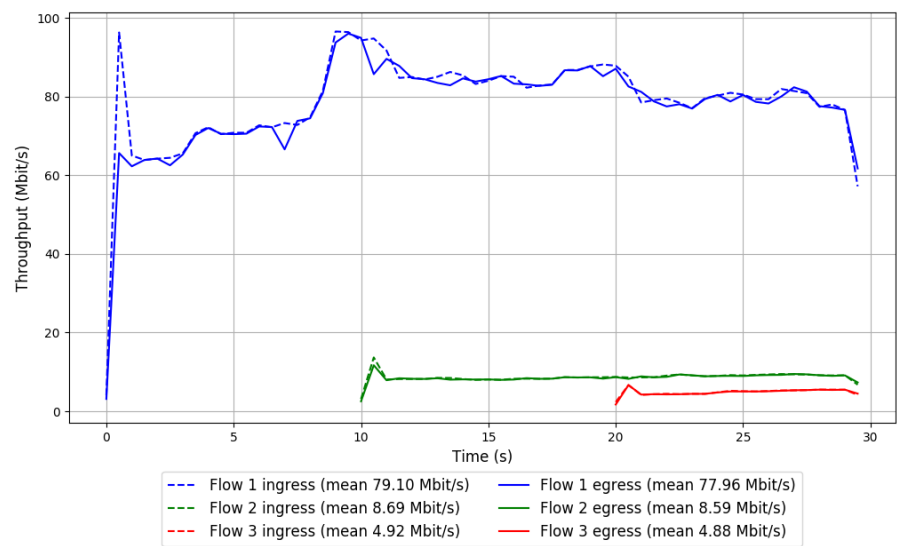


Run 6: Statistics of PCC

Start at: 2018-02-13 20:04:38
End at: 2018-02-13 20:05:08
Local clock offset: 1.192 ms
Remote clock offset: -8.705 ms

Below is generated by plot.py at 2018-02-13 22:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 46.731 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 46.355 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 50.909 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 45.160 ms
Loss rate: 0.88%

Run 6: Report of PCC — Data Link

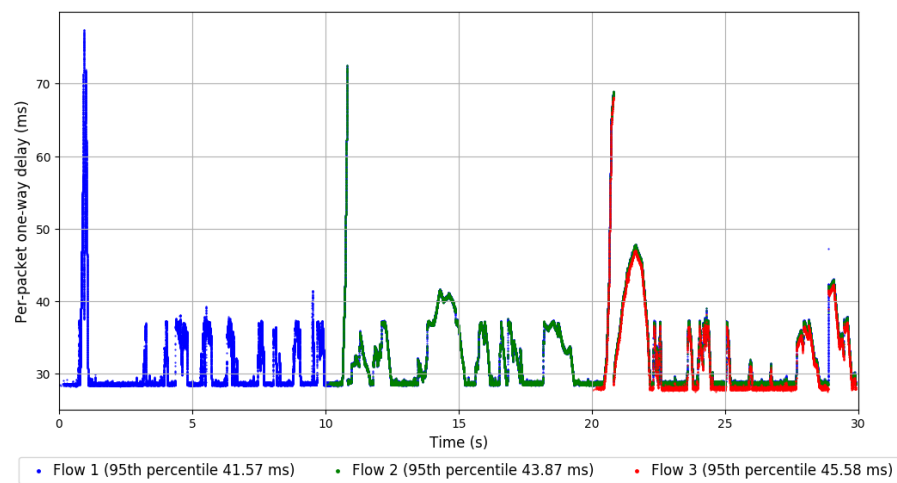
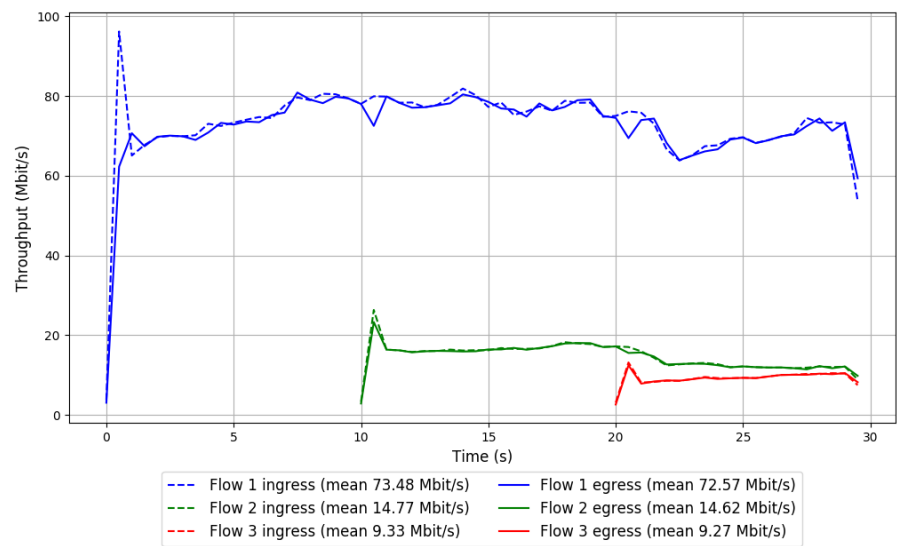


Run 7: Statistics of PCC

Start at: 2018-02-13 20:30:04
End at: 2018-02-13 20:30:34
Local clock offset: -0.497 ms
Remote clock offset: -9.907 ms

Below is generated by plot.py at 2018-02-13 22:29:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 42.003 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 41.572 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 43.868 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 45.579 ms
Loss rate: 0.68%

Run 7: Report of PCC — Data Link

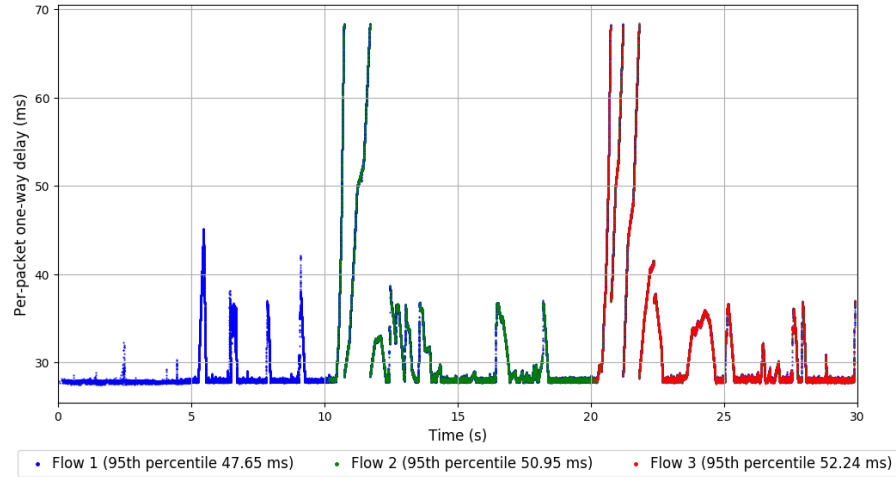
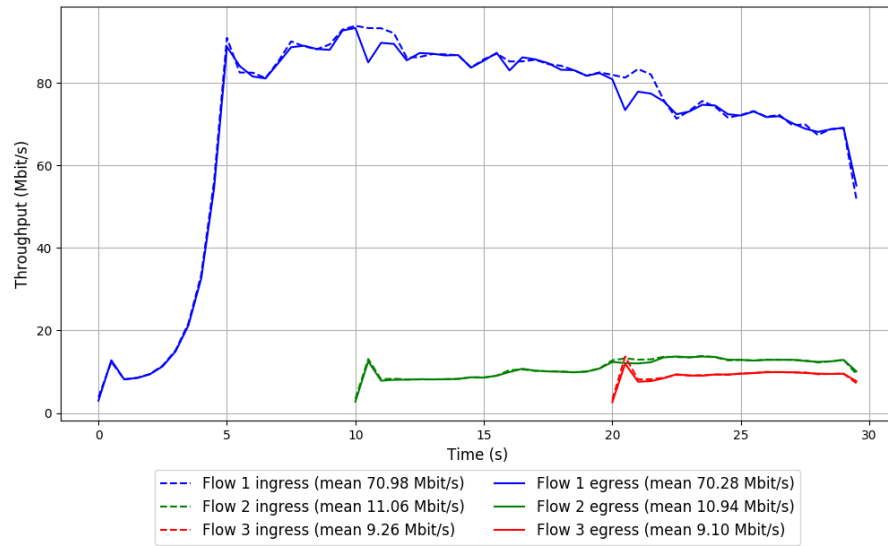


Run 8: Statistics of PCC

Start at: 2018-02-13 20:55:29
End at: 2018-02-13 20:55:59
Local clock offset: -0.187 ms
Remote clock offset: -6.578 ms

Below is generated by plot.py at 2018-02-13 22:29:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 48.234 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 70.28 Mbit/s
95th percentile per-packet one-way delay: 47.653 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 52.238 ms
Loss rate: 1.63%

Run 8: Report of PCC — Data Link

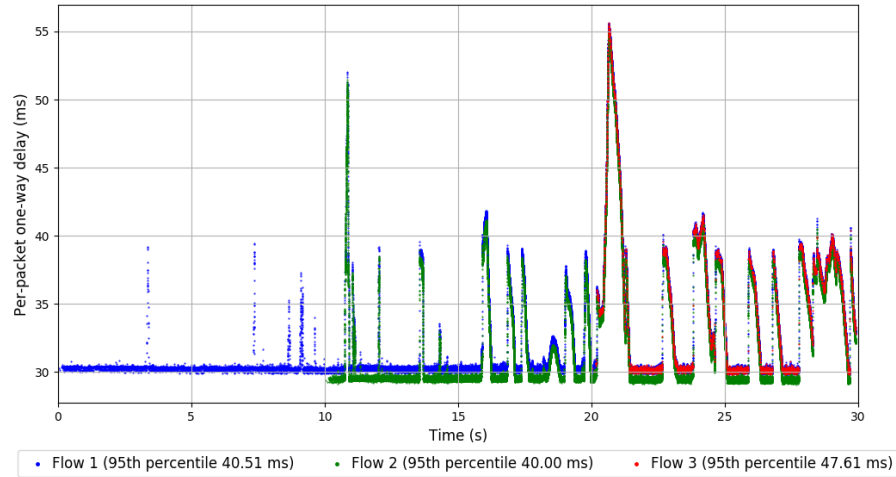
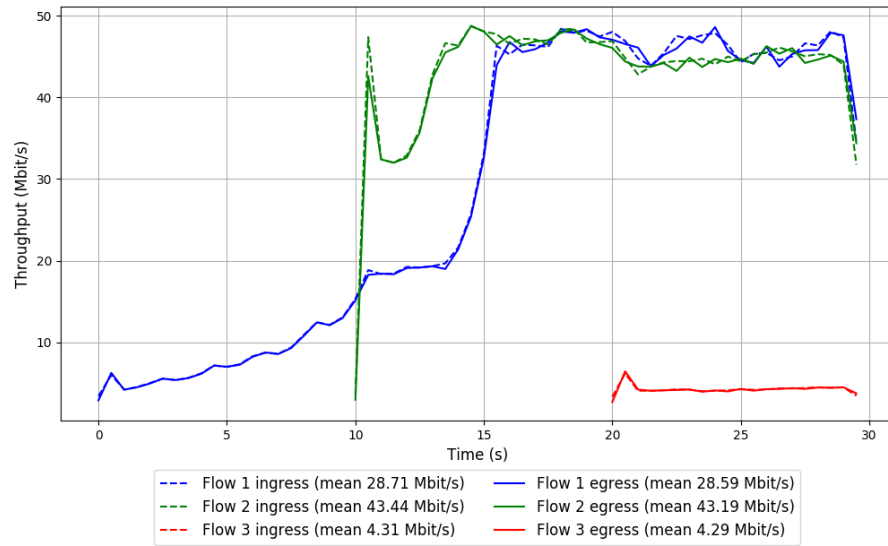


Run 9: Statistics of PCC

Start at: 2018-02-13 21:21:01
End at: 2018-02-13 21:21:31
Local clock offset: -2.258 ms
Remote clock offset: 10.332 ms

Below is generated by plot.py at 2018-02-13 22:29:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 40.361 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 28.59 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 39.996 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 47.607 ms
Loss rate: 0.44%

Run 9: Report of PCC — Data Link

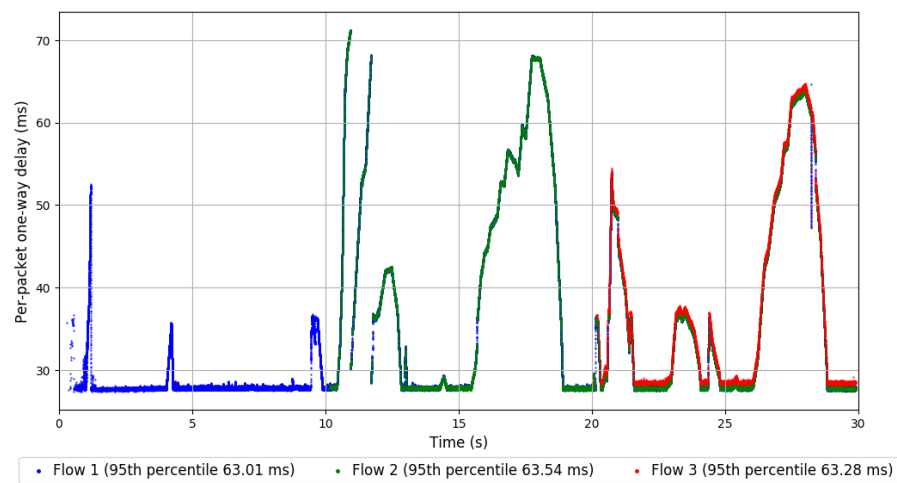
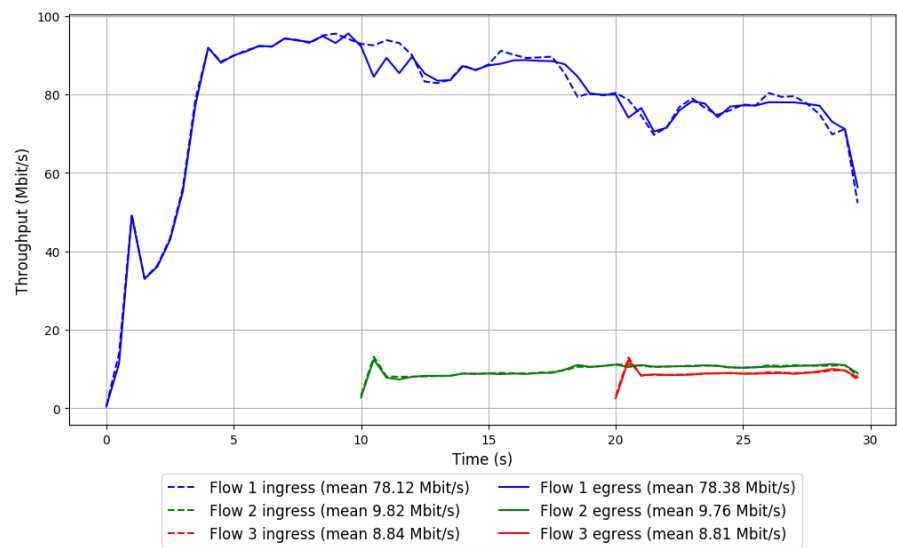


Run 10: Statistics of PCC

Start at: 2018-02-13 21:47:03
End at: 2018-02-13 21:47:33
Local clock offset: -5.591 ms
Remote clock offset: 16.321 ms

Below is generated by plot.py at 2018-02-13 22:30:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 63.079 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 63.009 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 63.285 ms
Loss rate: 0.37%

Run 10: Report of PCC — Data Link

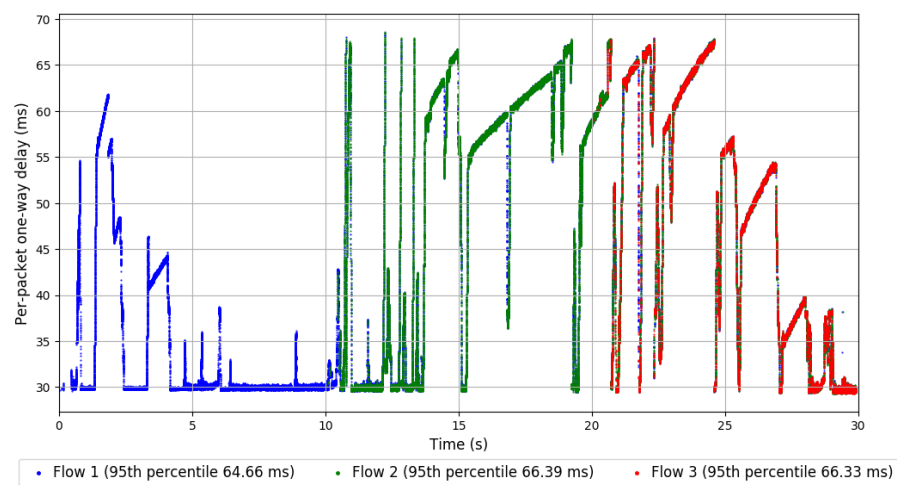
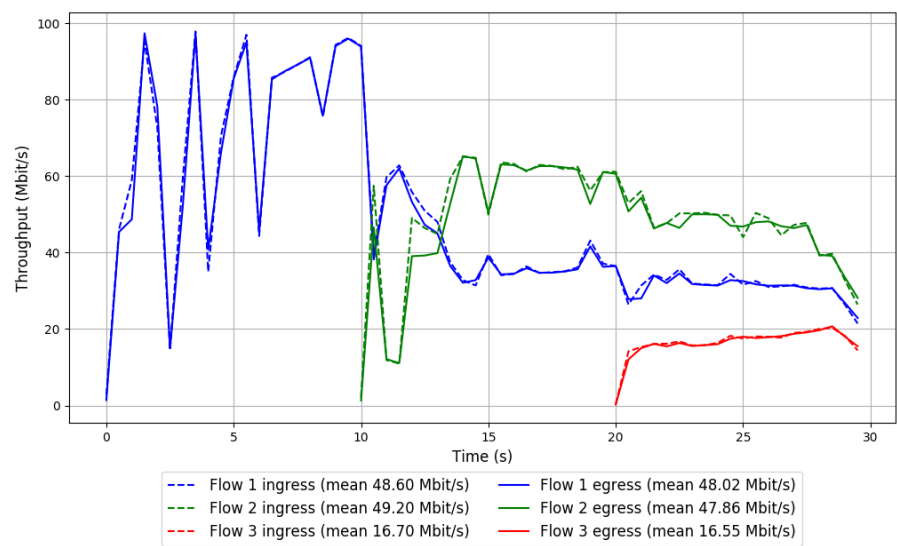


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 17:51:47
End at: 2018-02-13 17:52:17
Local clock offset: 0.626 ms
Remote clock offset: 15.601 ms

Below is generated by plot.py at 2018-02-13 22:30:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 65.797 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 48.02 Mbit/s
95th percentile per-packet one-way delay: 64.655 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 66.386 ms
Loss rate: 2.73%
-- Flow 3:
Average throughput: 16.55 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 1.19%

Run 1: Report of QUIC Cubic — Data Link

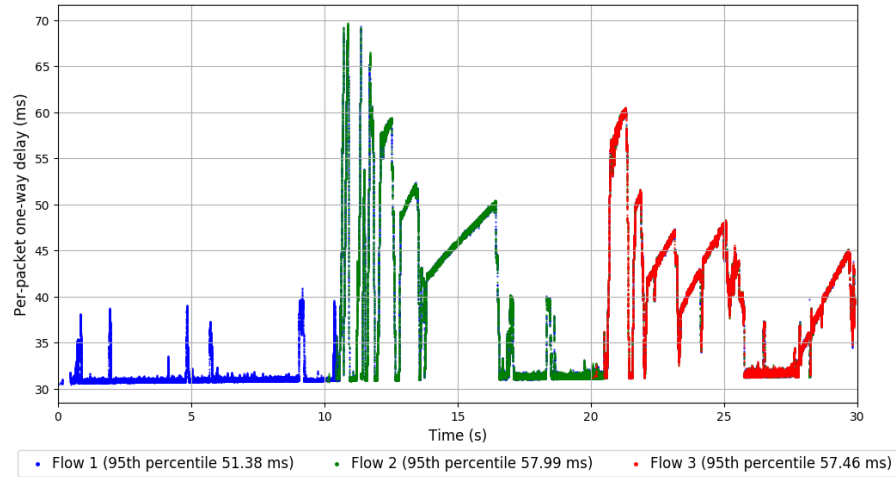
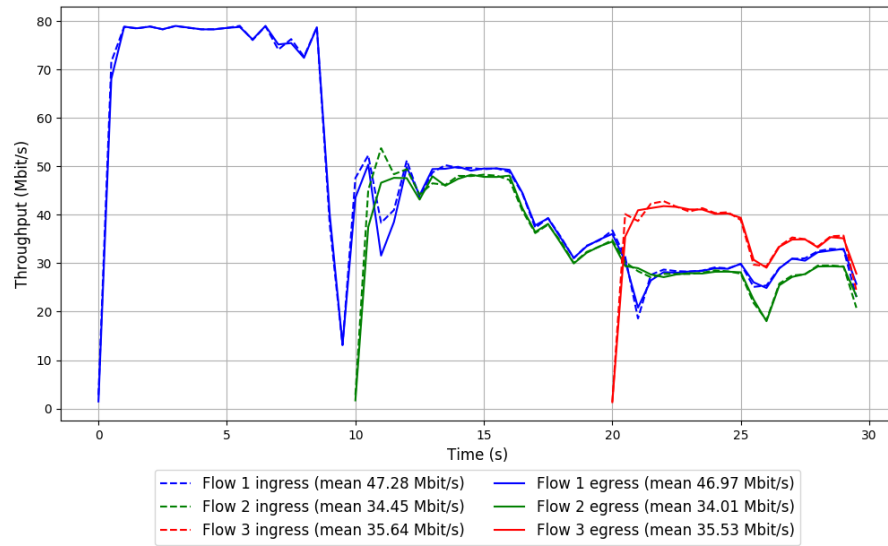


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-13 18:18:12
End at: 2018-02-13 18:18:42
Local clock offset: -3.543 ms
Remote clock offset: 21.957 ms

Below is generated by plot.py at 2018-02-13 22:30:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.29 Mbit/s
95th percentile per-packet one-way delay: 56.557 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 51.379 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 57.994 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 57.464 ms
Loss rate: 0.23%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-02-13 18:43:49

End at: 2018-02-13 18:44:19

Local clock offset: 1.137 ms

Remote clock offset: 4.709 ms

Below is generated by plot.py at 2018-02-13 22:30:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.39 Mbit/s

95th percentile per-packet one-way delay: 61.089 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 35.80 Mbit/s

95th percentile per-packet one-way delay: 60.348 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 61.627 ms

Loss rate: 0.77%

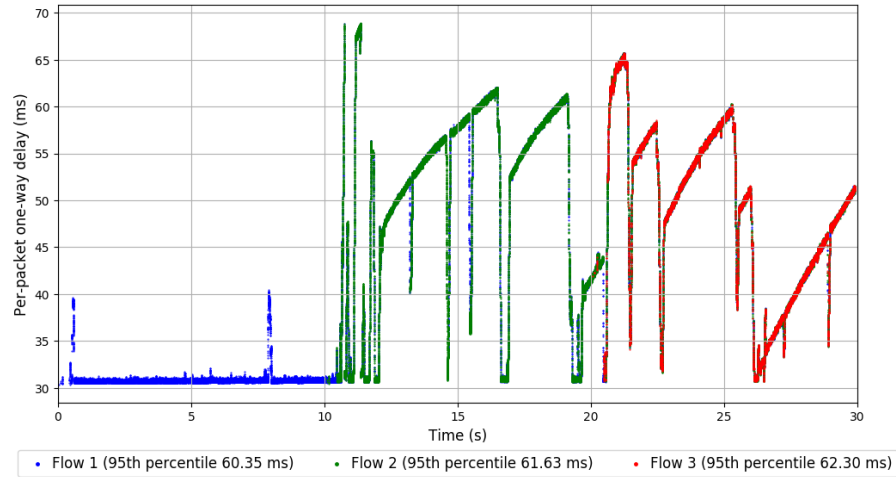
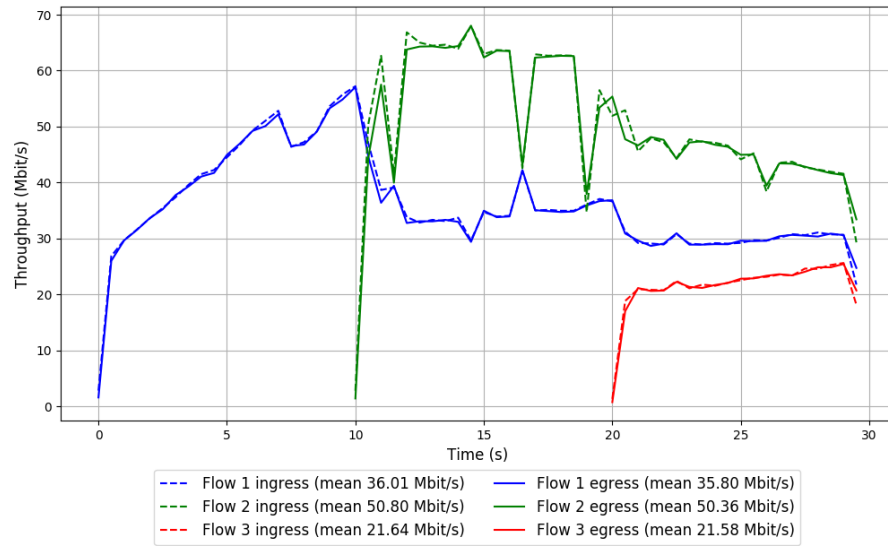
-- Flow 3:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 62.303 ms

Loss rate: 0.18%

Run 3: Report of QUIC Cubic — Data Link

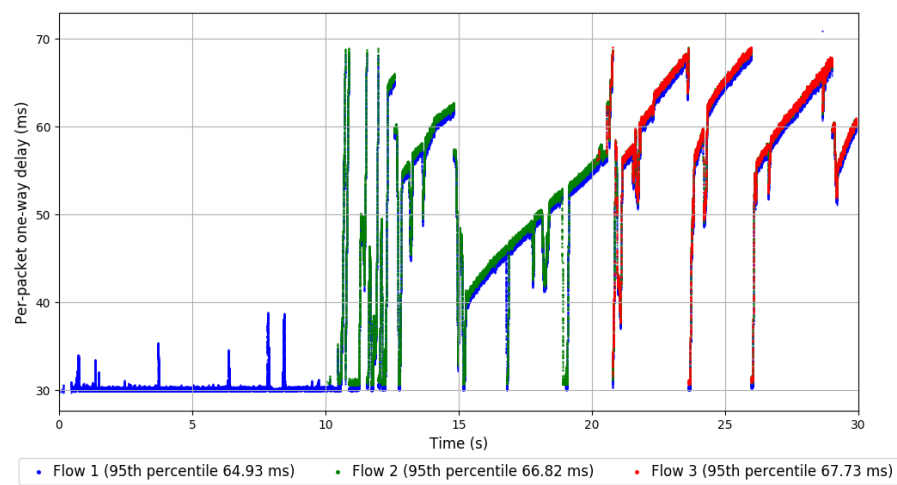
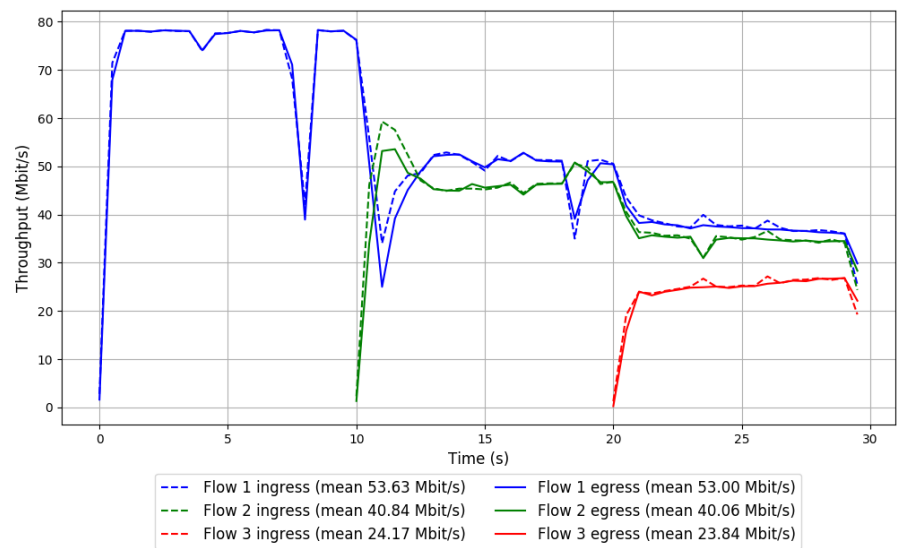


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-13 19:08:48
End at: 2018-02-13 19:09:18
Local clock offset: 1.645 ms
Remote clock offset: -3.235 ms

Below is generated by plot.py at 2018-02-13 22:30:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 64.933 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 66.824 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 67.726 ms
Loss rate: 1.32%

Run 4: Report of QUIC Cubic — Data Link

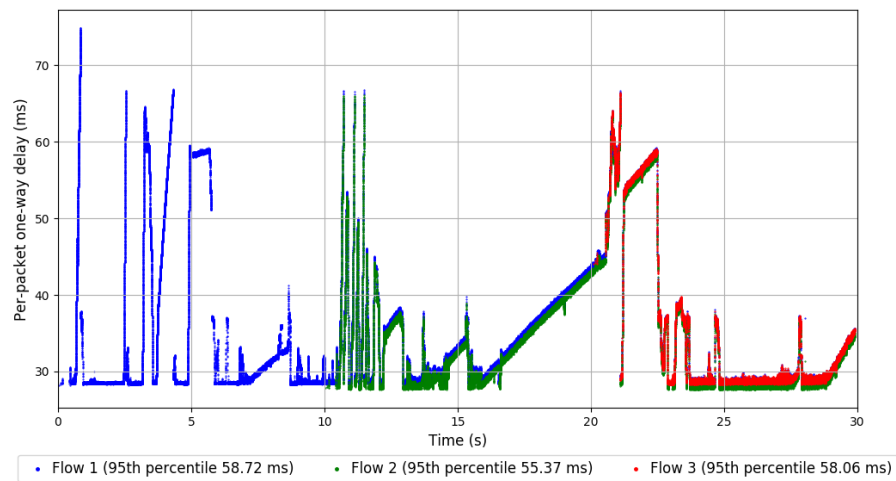
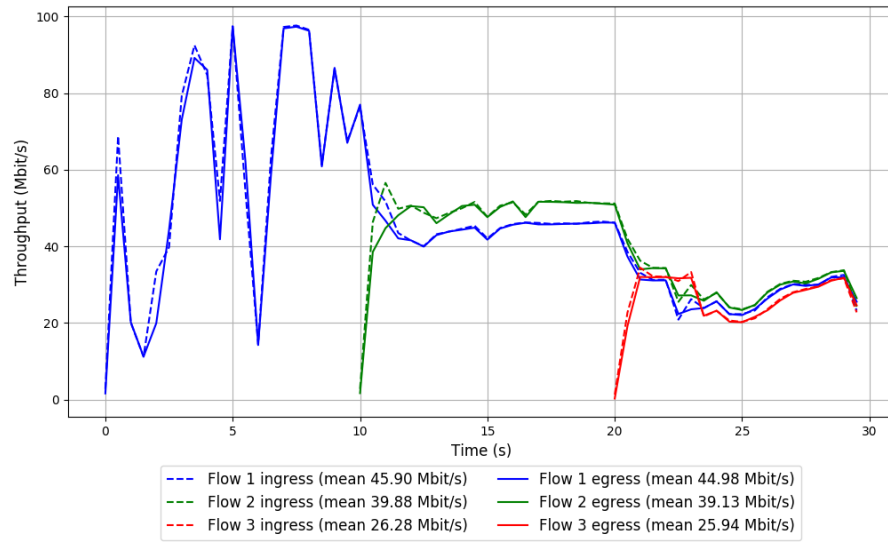


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-13 19:34:31
End at: 2018-02-13 19:35:01
Local clock offset: 1.859 ms
Remote clock offset: -9.572 ms

Below is generated by plot.py at 2018-02-13 22:30:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 58.464 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 58.720 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 55.366 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 25.94 Mbit/s
95th percentile per-packet one-way delay: 58.064 ms
Loss rate: 1.40%

Run 5: Report of QUIC Cubic — Data Link

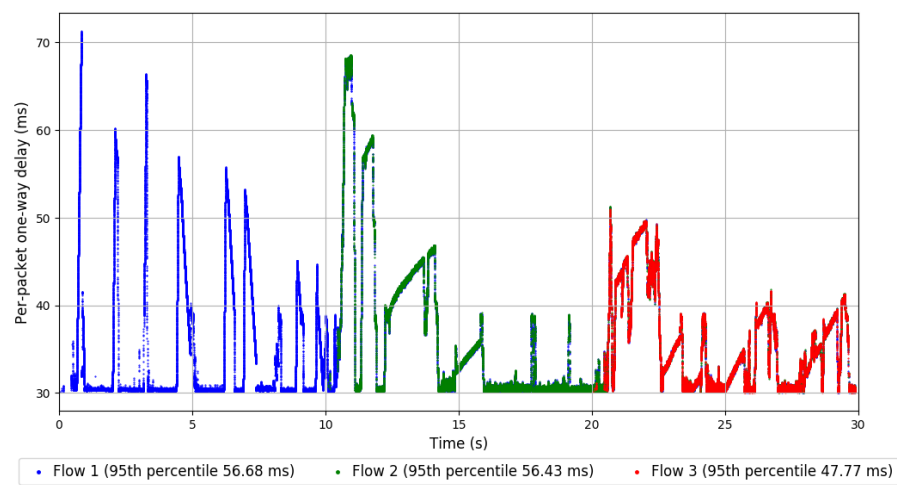
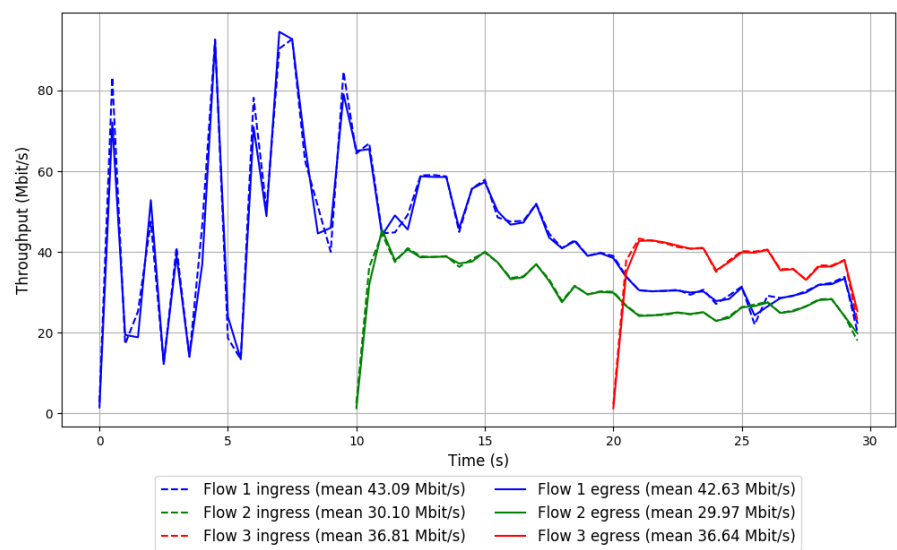


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-13 20:00:11
End at: 2018-02-13 20:00:41
Local clock offset: 1.235 ms
Remote clock offset: -9.687 ms

Below is generated by plot.py at 2018-02-13 22:30:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.62 Mbit/s
95th percentile per-packet one-way delay: 54.242 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 56.681 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 56.434 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 47.773 ms
Loss rate: 0.46%

Run 6: Report of QUIC Cubic — Data Link

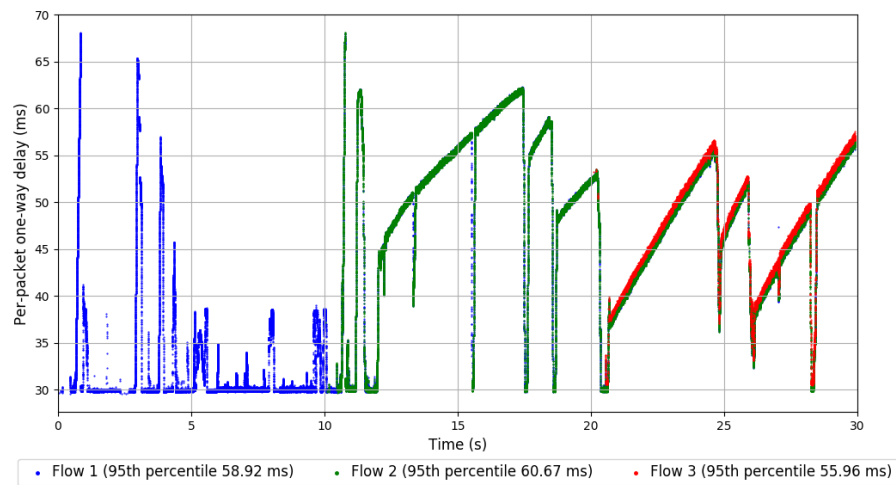
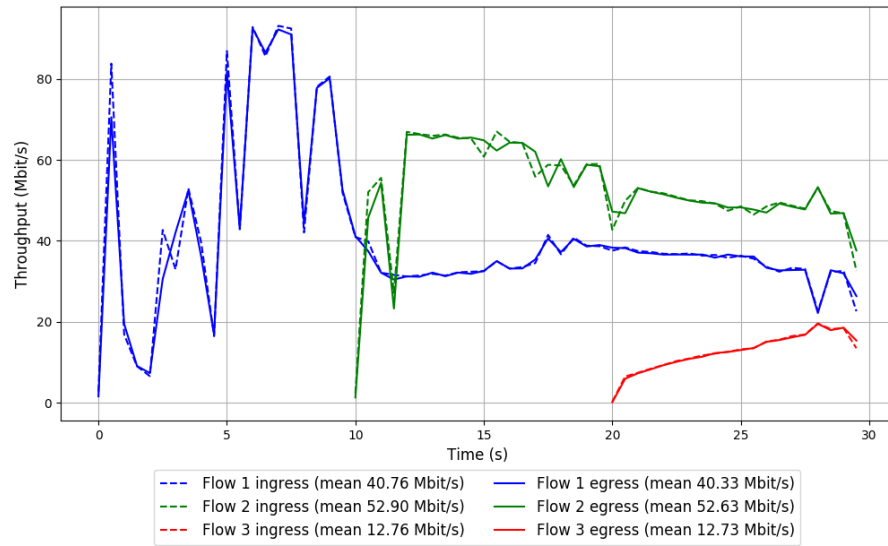


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 20:25:49
End at: 2018-02-13 20:26:19
Local clock offset: -0.315 ms
Remote clock offset: -7.613 ms

Below is generated by plot.py at 2018-02-13 22:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.51 Mbit/s
95th percentile per-packet one-way delay: 59.882 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 58.921 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 60.672 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 55.958 ms
Loss rate: 0.18%

Run 7: Report of QUIC Cubic — Data Link

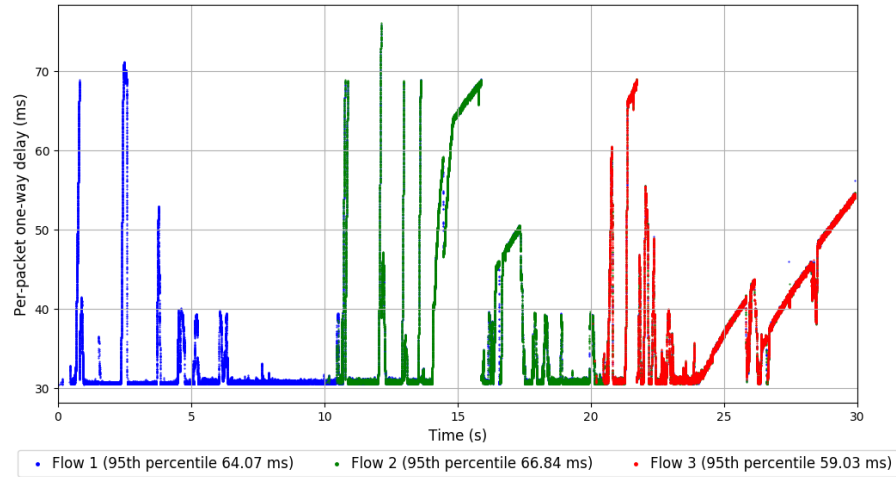
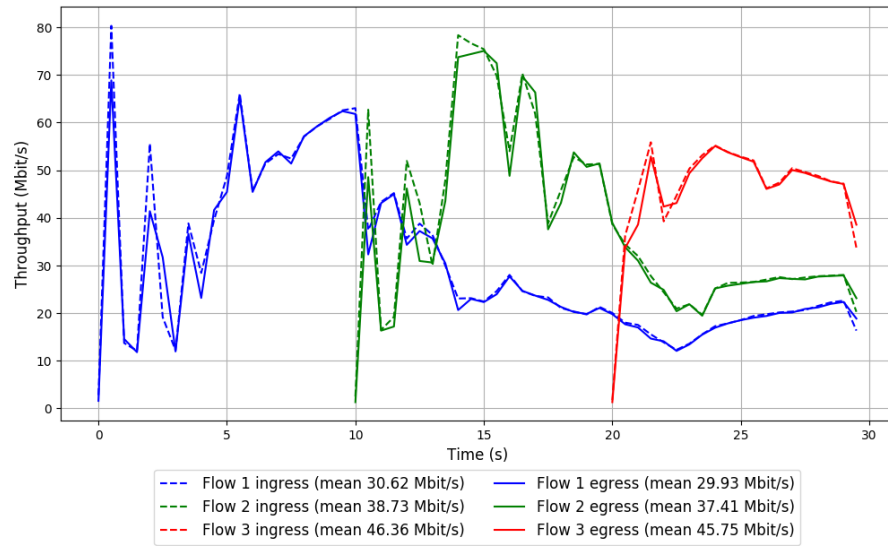


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 20:51:11
End at: 2018-02-13 20:51:41
Local clock offset: -0.211 ms
Remote clock offset: -4.489 ms

Below is generated by plot.py at 2018-02-13 22:31:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 66.168 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 64.074 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 66.843 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 59.029 ms
Loss rate: 1.15%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 21:16:44

End at: 2018-02-13 21:17:14

Local clock offset: -0.851 ms

Remote clock offset: 7.006 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.02 Mbit/s

95th percentile per-packet one-way delay: 65.663 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 47.70 Mbit/s

95th percentile per-packet one-way delay: 64.317 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 33.63 Mbit/s

95th percentile per-packet one-way delay: 65.895 ms

Loss rate: 0.93%

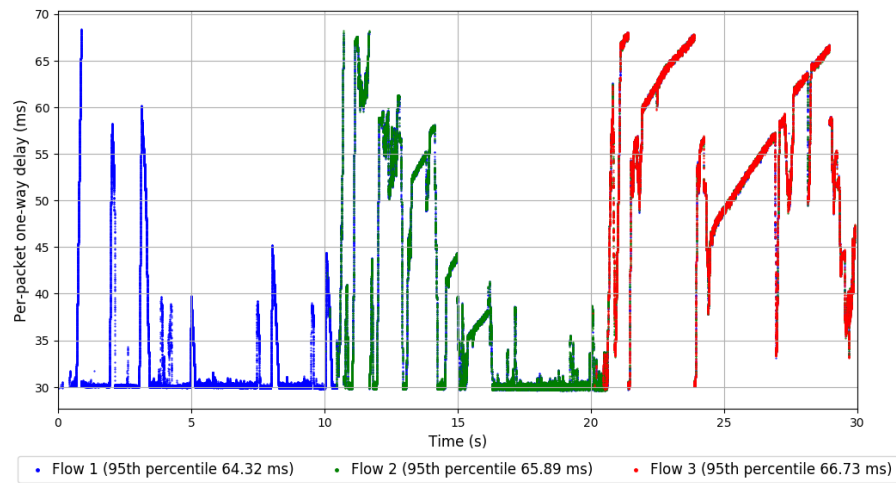
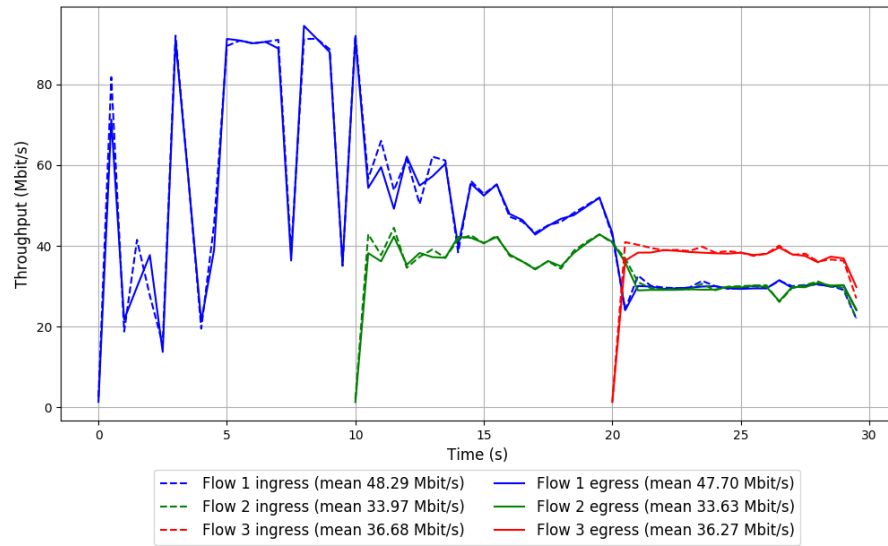
-- Flow 3:

Average throughput: 36.27 Mbit/s

95th percentile per-packet one-way delay: 66.727 ms

Loss rate: 1.03%

Run 9: Report of QUIC Cubic — Data Link

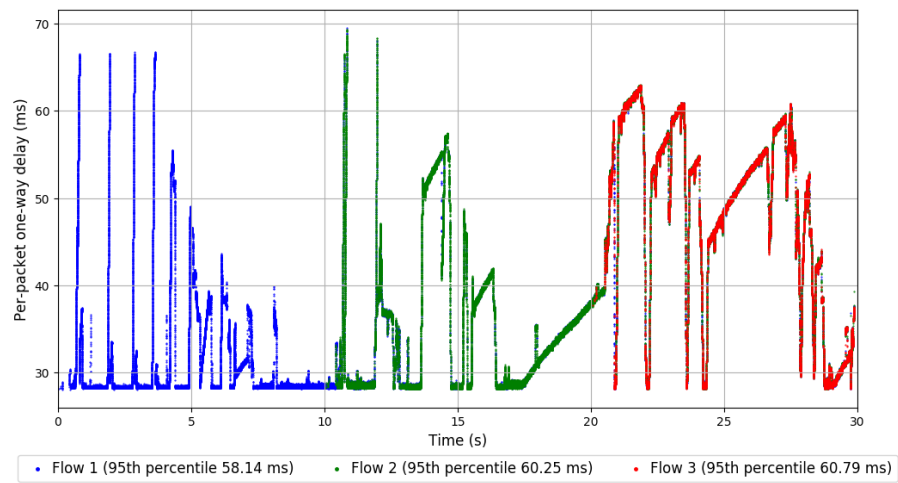
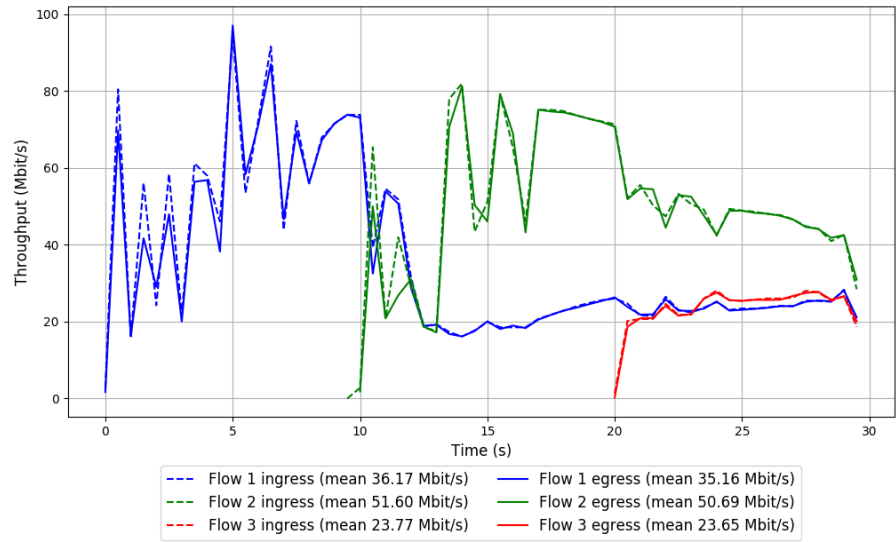


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 21:42:39
End at: 2018-02-13 21:43:09
Local clock offset: -5.29 ms
Remote clock offset: 15.449 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.66 Mbit/s
95th percentile per-packet one-way delay: 59.812 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 58.136 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 60.250 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 60.791 ms
Loss rate: 0.48%

Run 10: Report of QUIC Cubic — Data Link

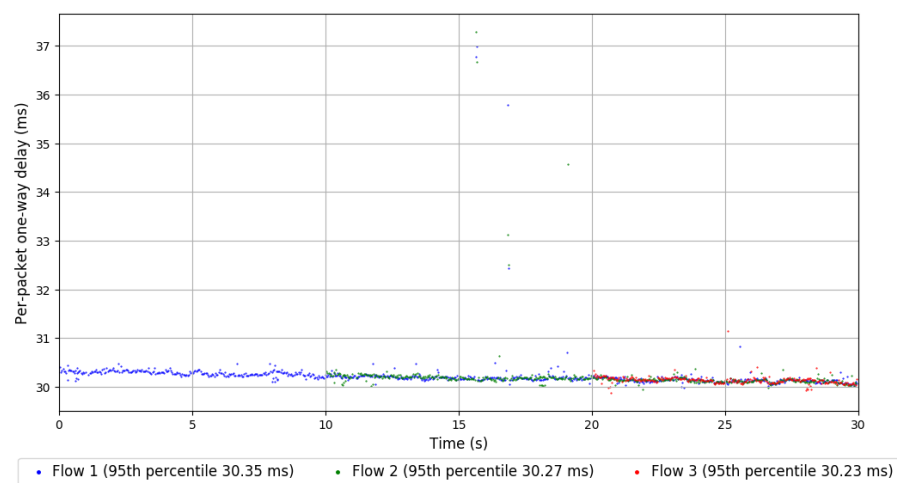
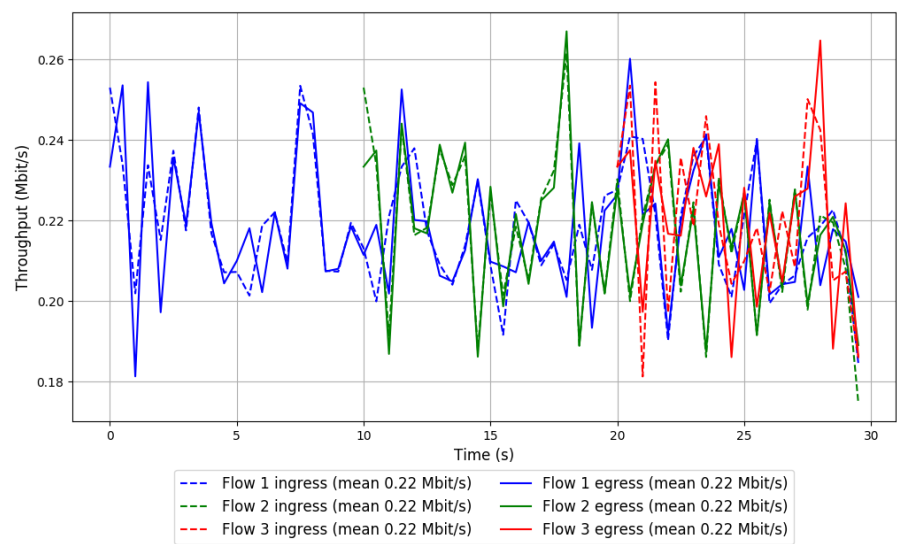


Run 1: Statistics of SReAM

Start at: 2018-02-13 17:58:54
End at: 2018-02-13 17:59:24
Local clock offset: -1.514 ms
Remote clock offset: 18.112 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.228 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

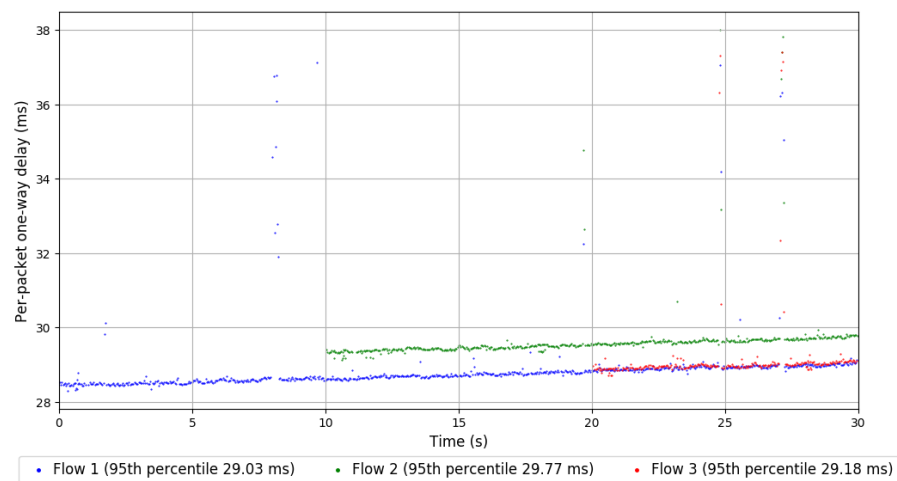
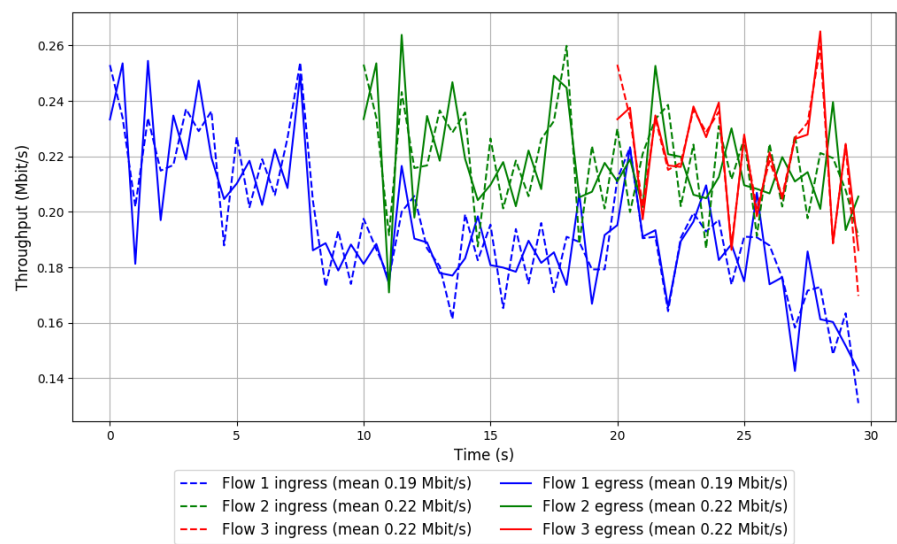


Run 2: Statistics of SReAM

Start at: 2018-02-13 18:25:31
End at: 2018-02-13 18:26:01
Local clock offset: -3.29 ms
Remote clock offset: 10.967 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 29.725 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 29.028 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.181 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-02-13 18:50:42

End at: 2018-02-13 18:51:12

Local clock offset: 1.568 ms

Remote clock offset: 0.795 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 28.852 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 28.148 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 28.853 ms

Loss rate: 0.23%

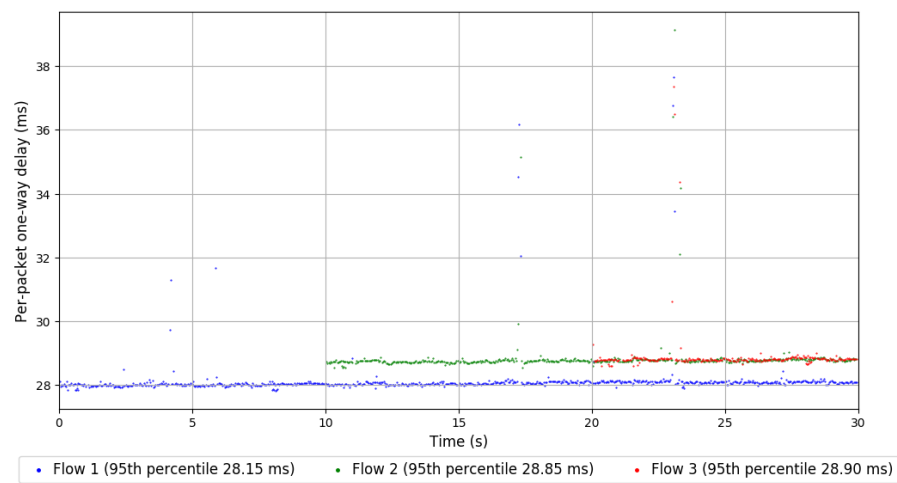
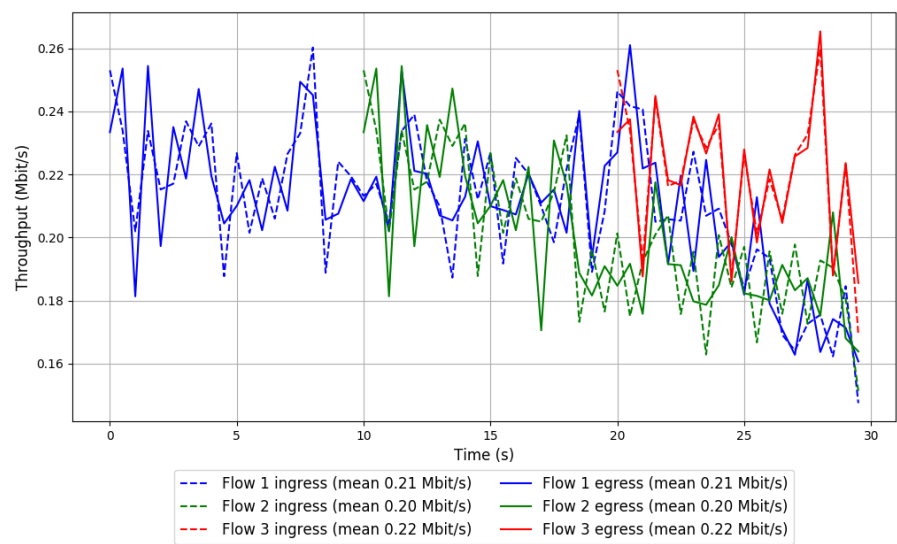
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 28.896 ms

Loss rate: 0.00%

Run 3: Report of SCRaM — Data Link

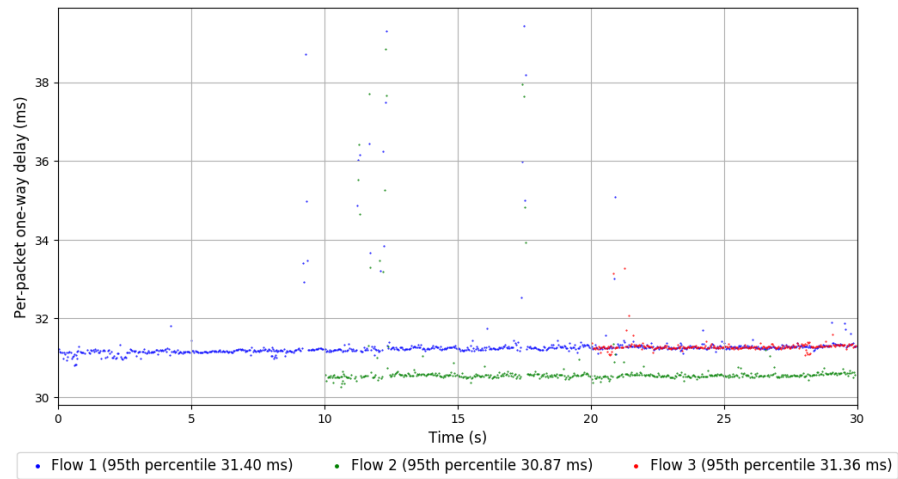
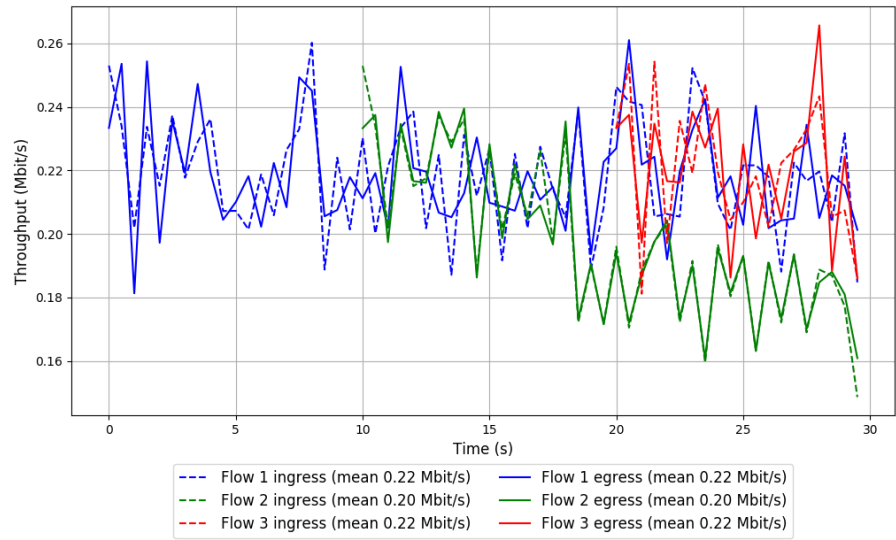


Run 4: Statistics of SReAM

Start at: 2018-02-13 19:15:57
End at: 2018-02-13 19:16:27
Local clock offset: 1.775 ms
Remote clock offset: -4.842 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.367 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.870 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.363 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

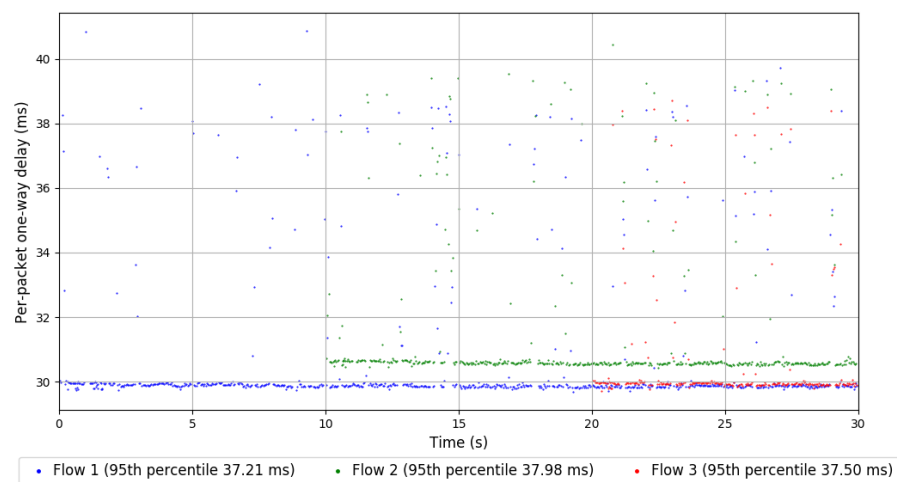
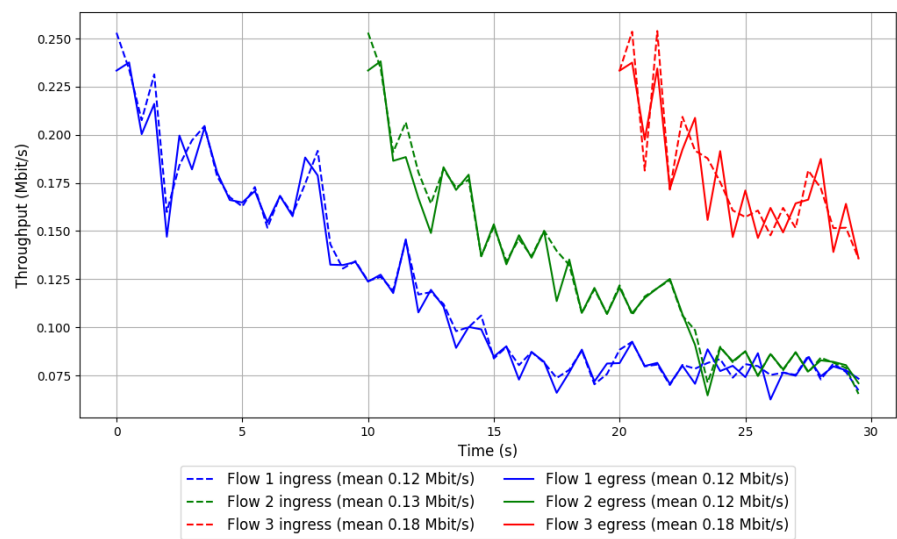


Run 5: Statistics of SCReAM

Start at: 2018-02-13 19:41:30
End at: 2018-02-13 19:42:00
Local clock offset: 1.496 ms
Remote clock offset: -7.995 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 37.470 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 37.210 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 37.983 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 37.501 ms
Loss rate: 0.97%

Run 5: Report of SReAM — Data Link

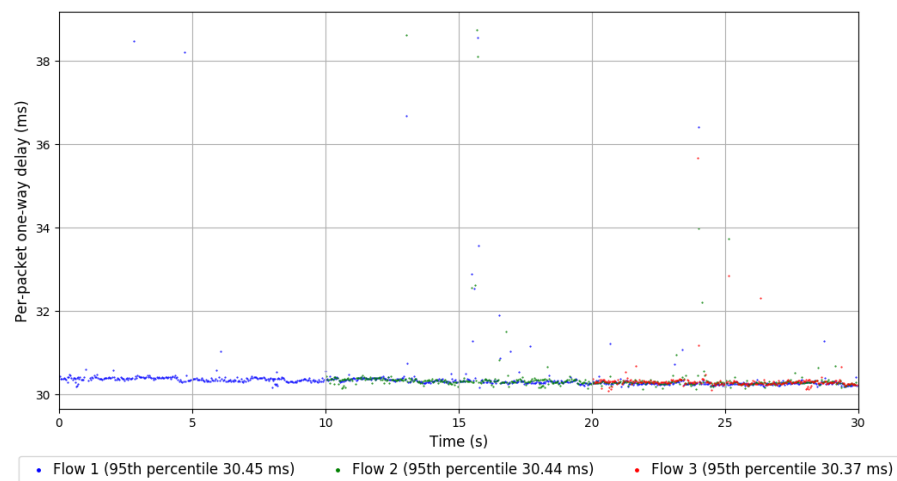
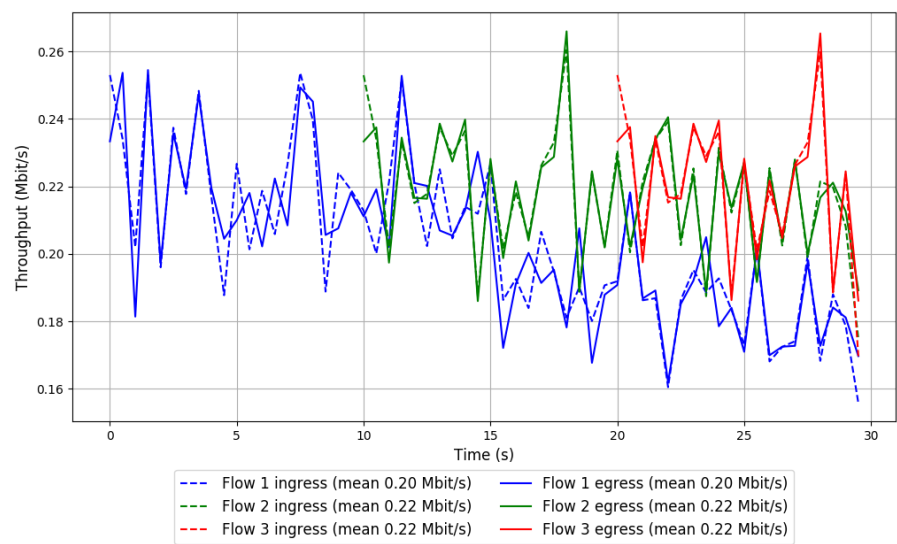


Run 6: Statistics of SCReAM

Start at: 2018-02-13 20:07:35
End at: 2018-02-13 20:08:05
Local clock offset: 1.028 ms
Remote clock offset: -7.413 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.436 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.449 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.442 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.370 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

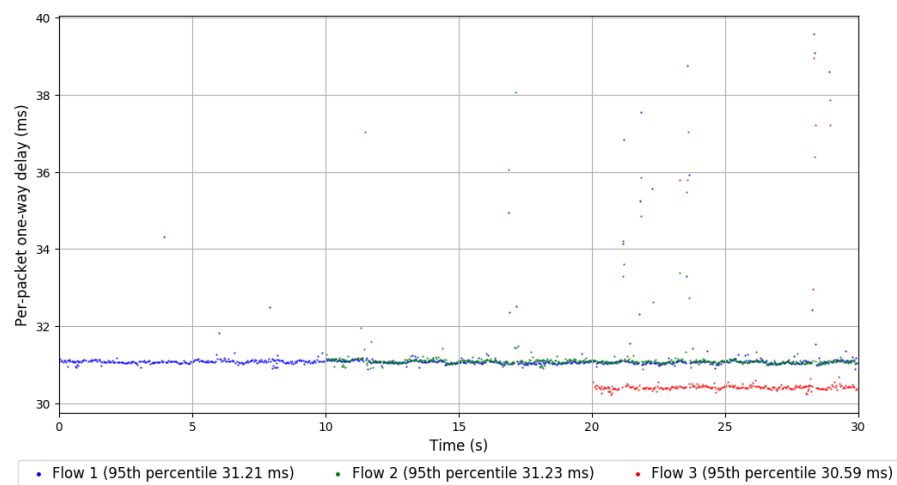
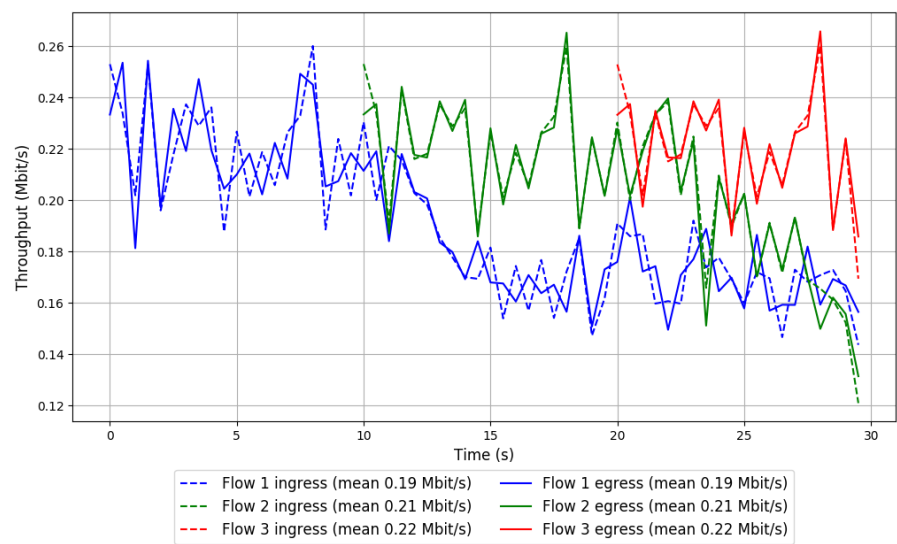


Run 7: Statistics of SReAM

Start at: 2018-02-13 20:32:49
End at: 2018-02-13 20:33:19
Local clock offset: -0.703 ms
Remote clock offset: -7.623 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 31.216 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.593 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

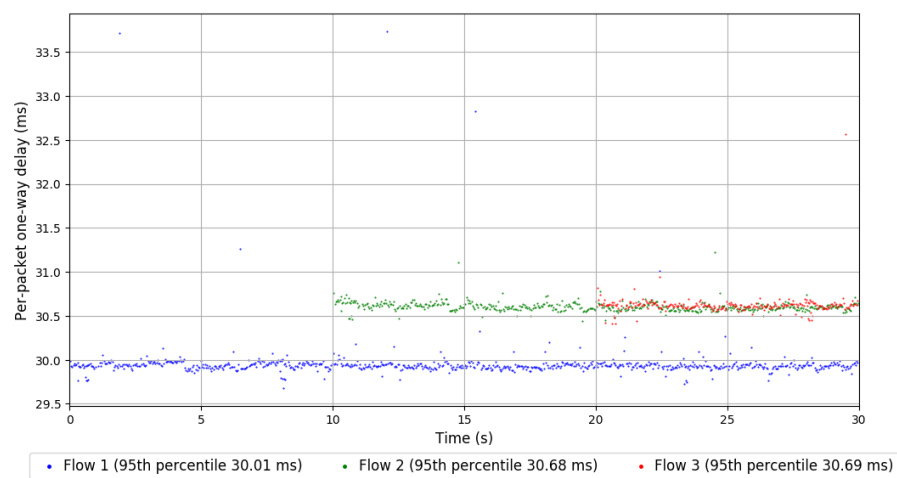
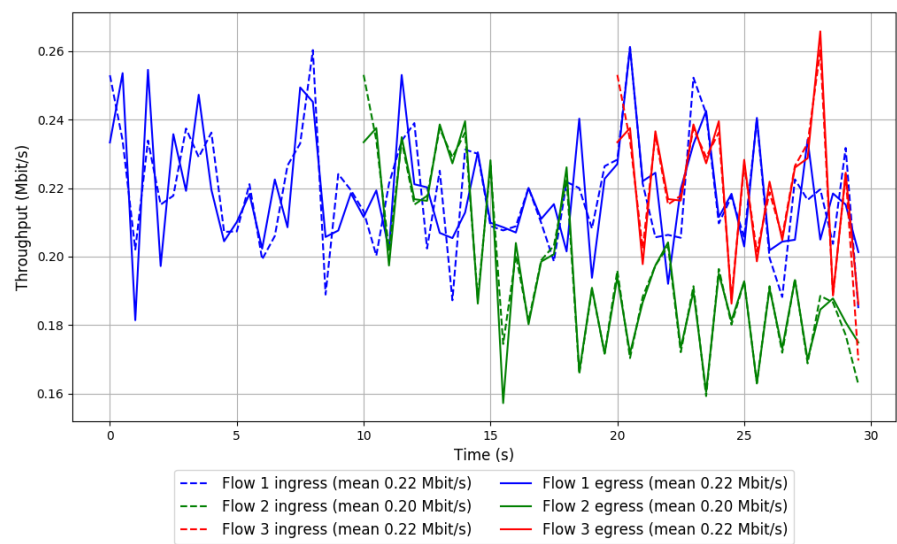


Run 8: Statistics of SReAM

Start at: 2018-02-13 20:58:16
End at: 2018-02-13 20:58:46
Local clock offset: -0.198 ms
Remote clock offset: -4.519 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.664 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.680 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

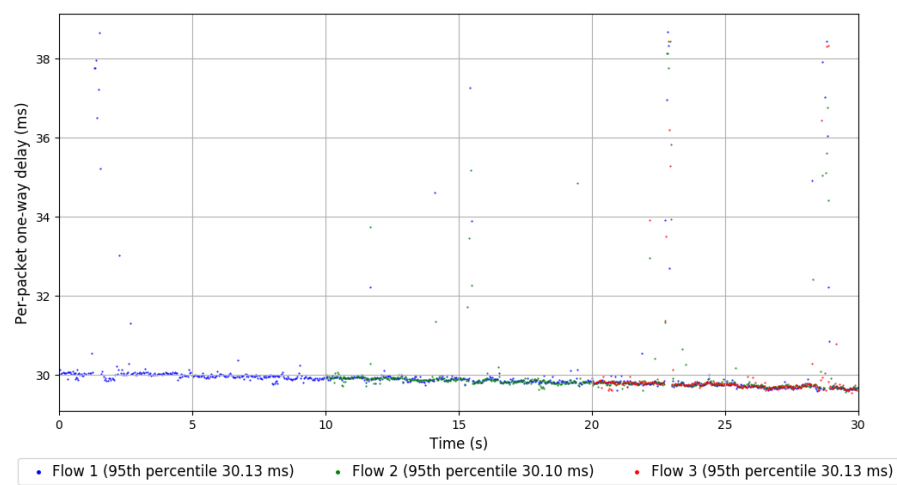
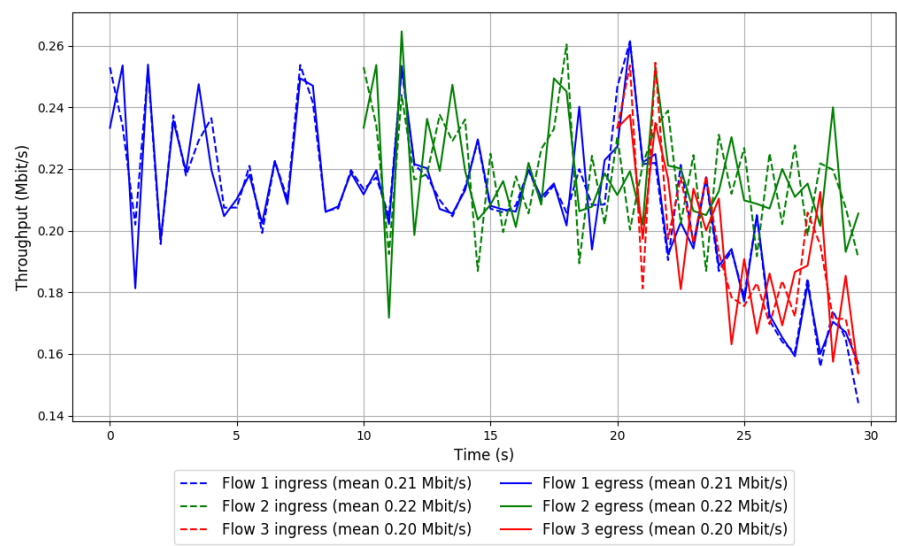


Run 9: Statistics of SReAM

Start at: 2018-02-13 21:23:51
End at: 2018-02-13 21:24:21
Local clock offset: -2.945 ms
Remote clock offset: 12.248 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.130 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.126 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 30.132 ms
Loss rate: 0.48%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-13 21:49:52

End at: 2018-02-13 21:50:22

Local clock offset: -5.685 ms

Remote clock offset: 16.96 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 28.493 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 27.906 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 28.667 ms

Loss rate: 0.42%

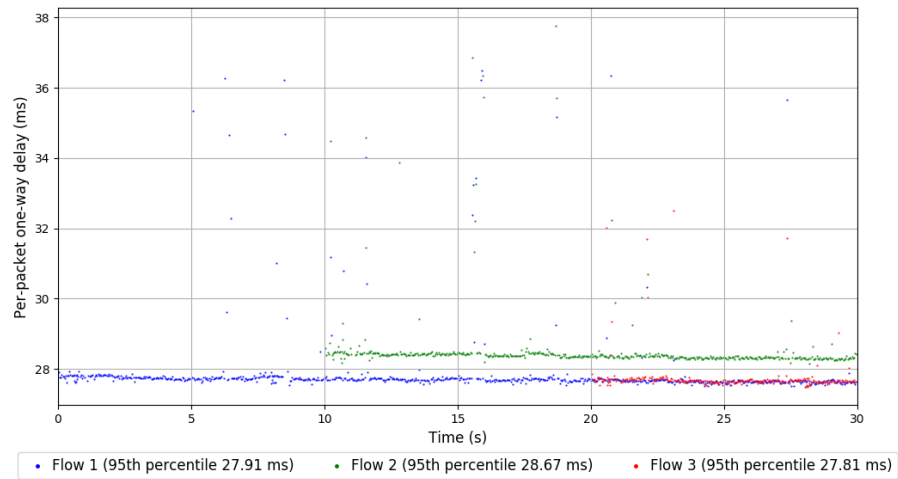
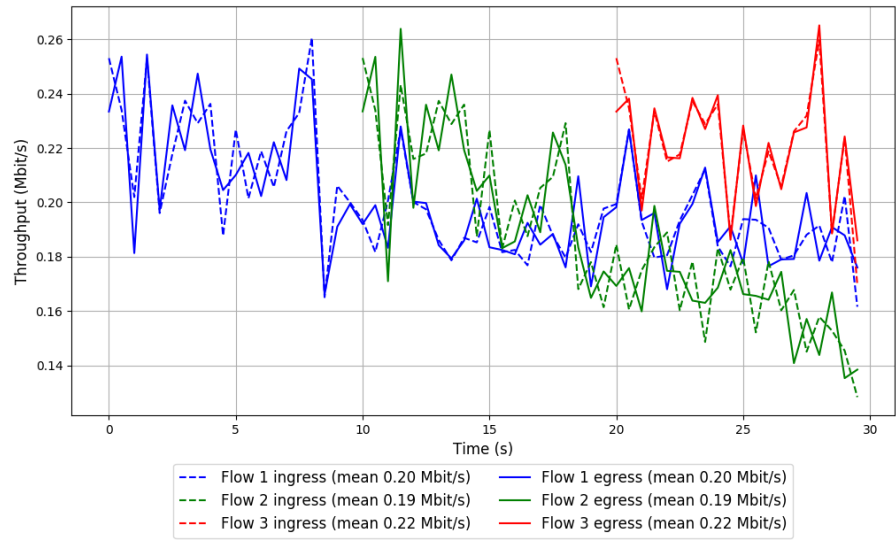
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.806 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

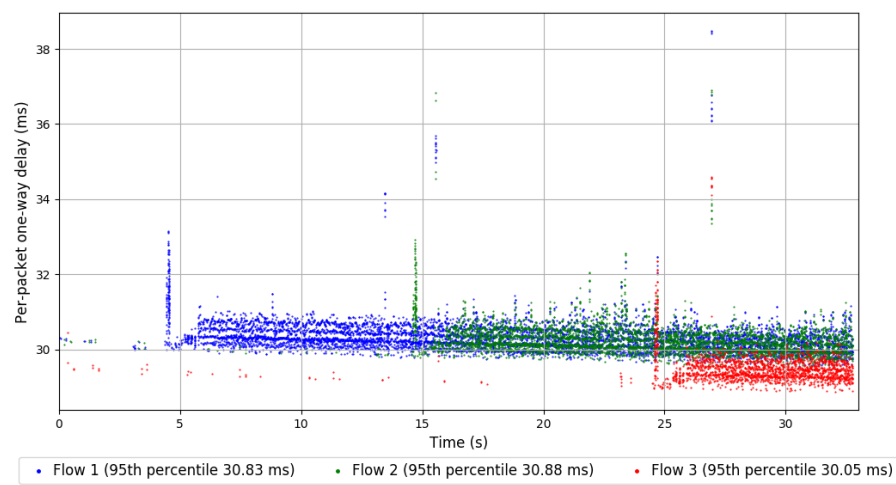
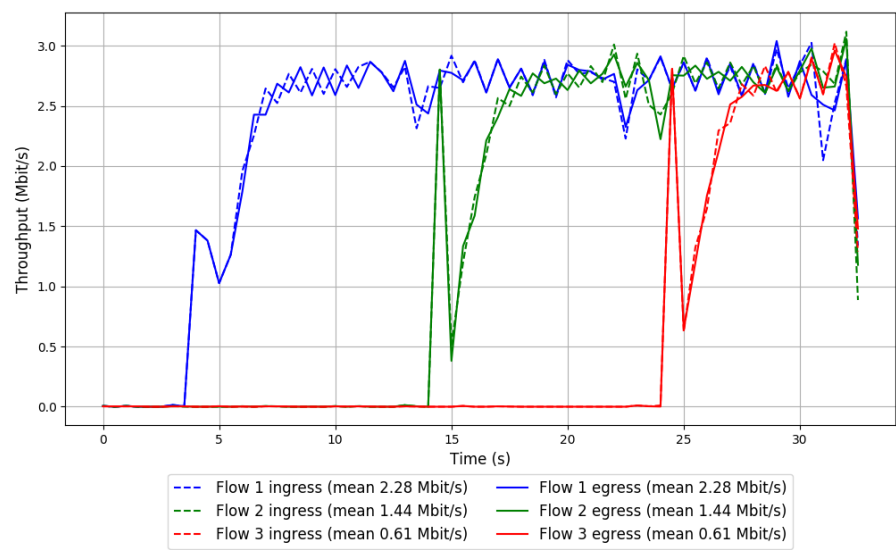


Run 1: Statistics of WebRTC media

Start at: 2018-02-13 17:46:11
End at: 2018-02-13 17:46:41
Local clock offset: 1.287 ms
Remote clock offset: 10.884 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 30.818 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.827 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.053 ms
Loss rate: 0.05%

Run 1: Report of WebRTC media — Data Link

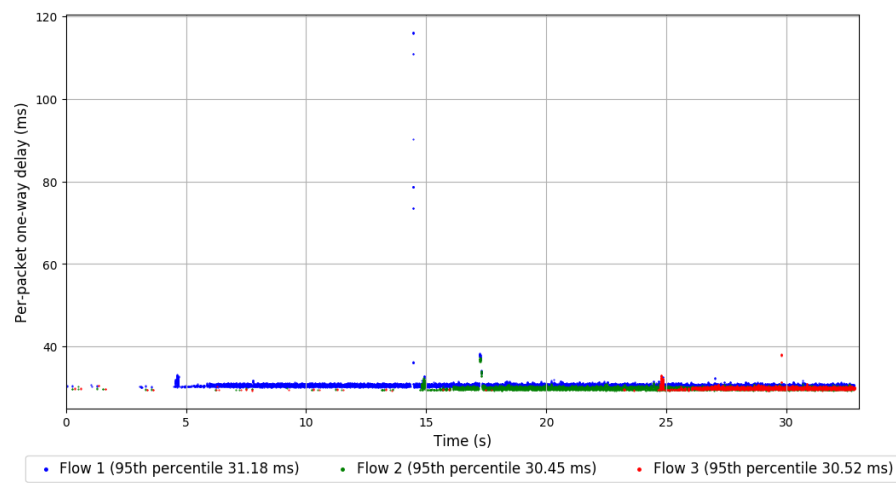


Run 2: Statistics of WebRTC media

Start at: 2018-02-13 18:12:21
End at: 2018-02-13 18:12:51
Local clock offset: -3.081 ms
Remote clock offset: 21.058 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 31.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 30.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.518 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-02-13 18:38:14

End at: 2018-02-13 18:38:44

Local clock offset: 0.47 ms

Remote clock offset: 6.876 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 32.016 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.49 Mbit/s

95th percentile per-packet one-way delay: 32.014 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 32.045 ms

Loss rate: 0.02%

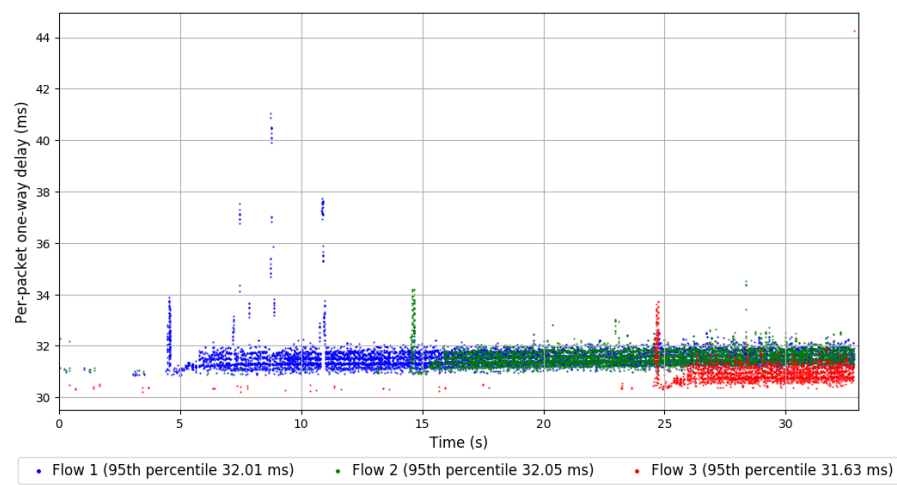
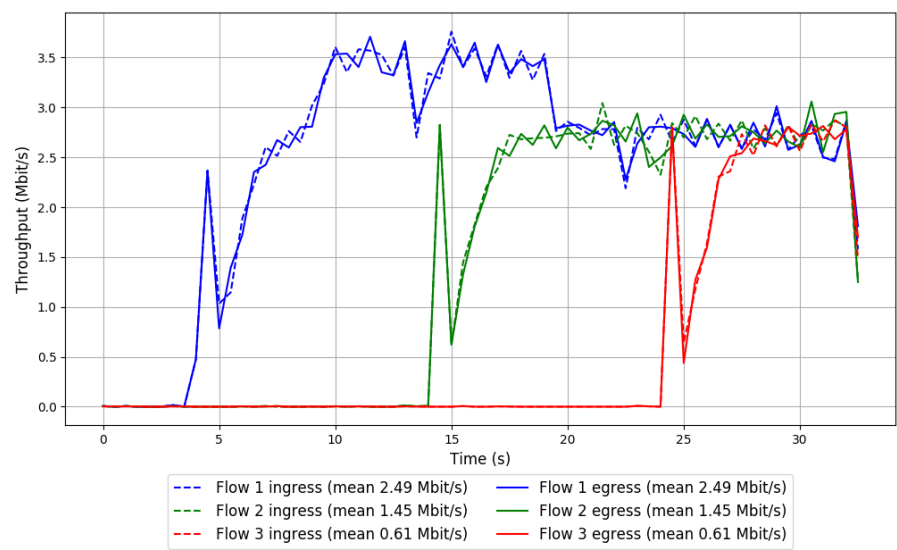
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 31.627 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-13 19:03:22

End at: 2018-02-13 19:03:52

Local clock offset: 1.708 ms

Remote clock offset: -3.62 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.52 Mbit/s

95th percentile per-packet one-way delay: 29.224 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 28.921 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 29.028 ms

Loss rate: 0.11%

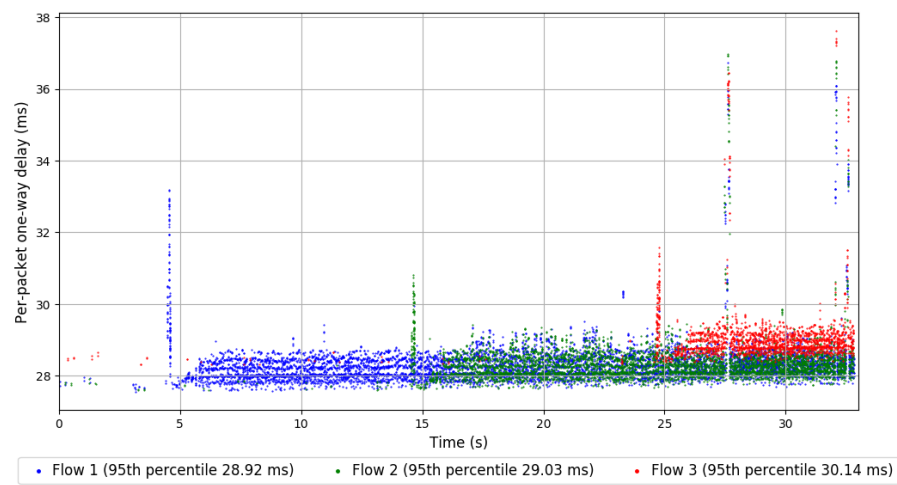
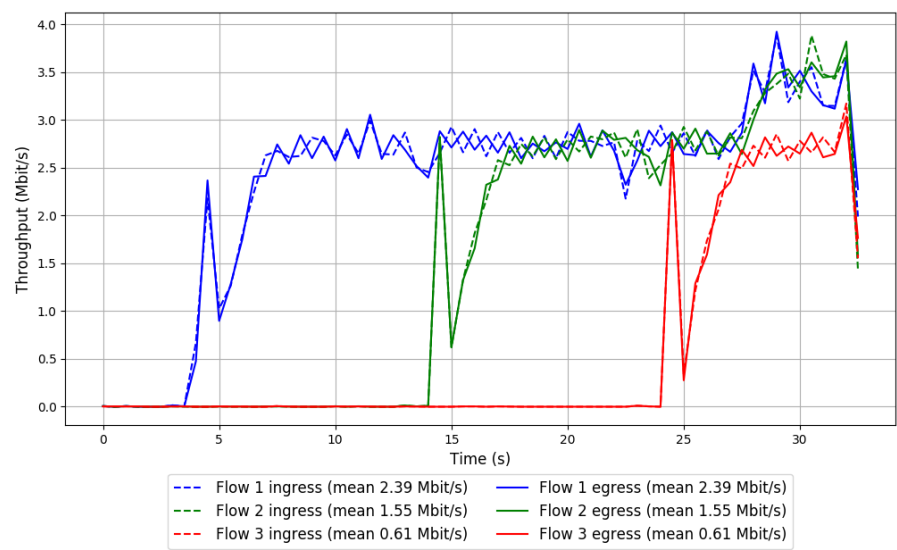
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 30.144 ms

Loss rate: 0.39%

Run 4: Report of WebRTC media — Data Link

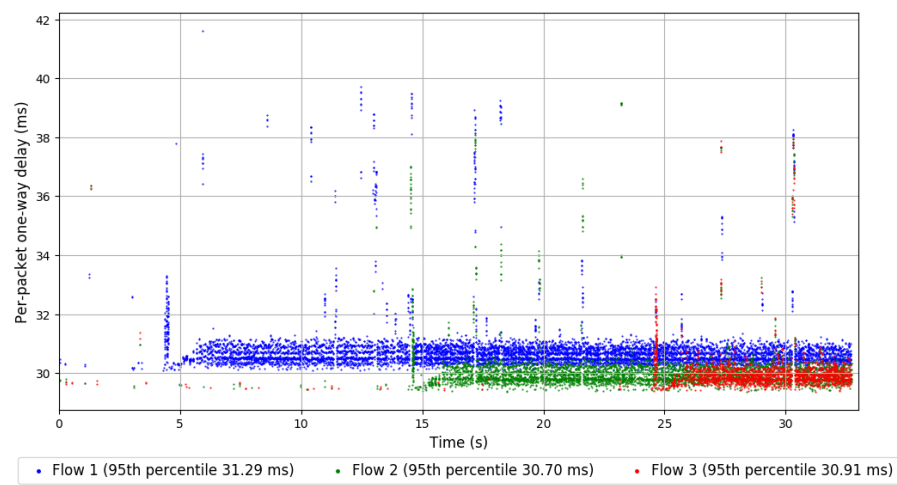
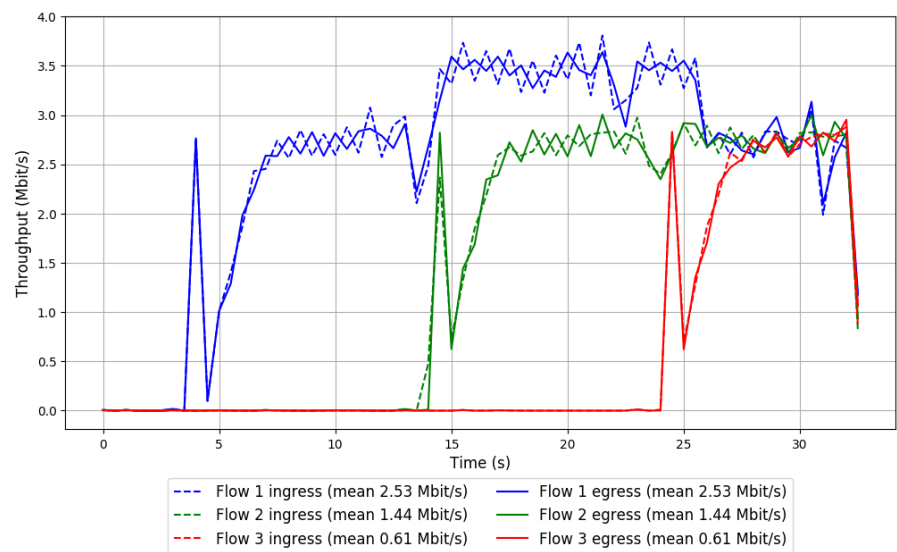


Run 5: Statistics of WebRTC media

Start at: 2018-02-13 19:28:50
End at: 2018-02-13 19:29:20
Local clock offset: 1.913 ms
Remote clock offset: -7.904 ms

```
# Below is generated by plot.py at 2018-02-13 22:31:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 31.159 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 31.287 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.909 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

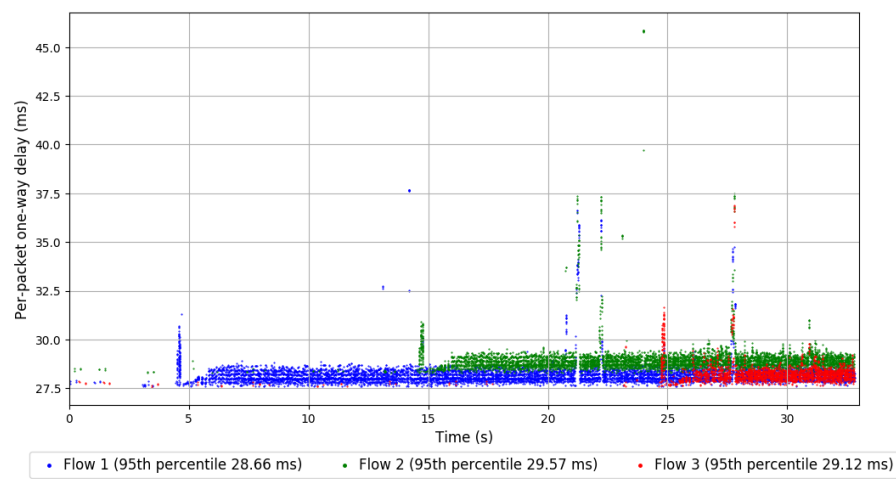
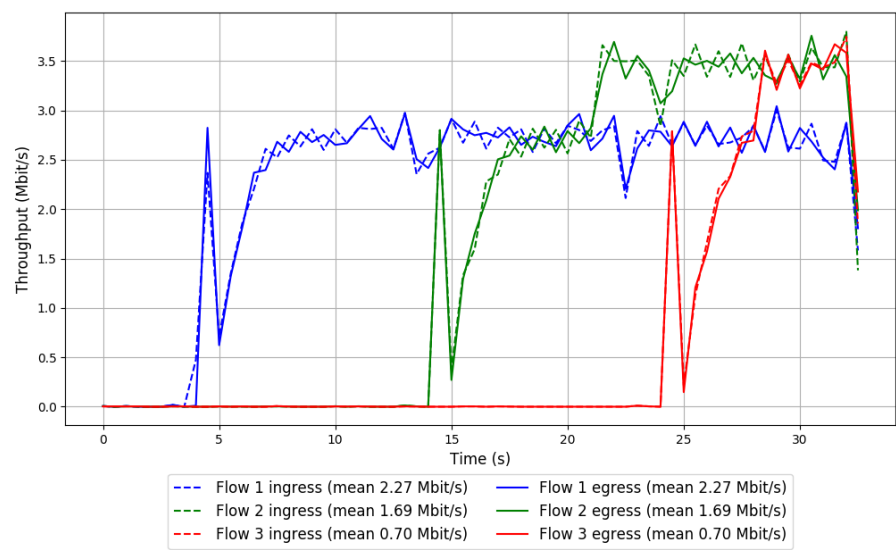


Run 6: Statistics of WebRTC media

Start at: 2018-02-13 19:54:24
End at: 2018-02-13 19:54:54
Local clock offset: 1.462 ms
Remote clock offset: -11.468 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 29.312 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 28.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 29.571 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 29.119 ms
Loss rate: 0.13%

Run 6: Report of WebRTC media — Data Link

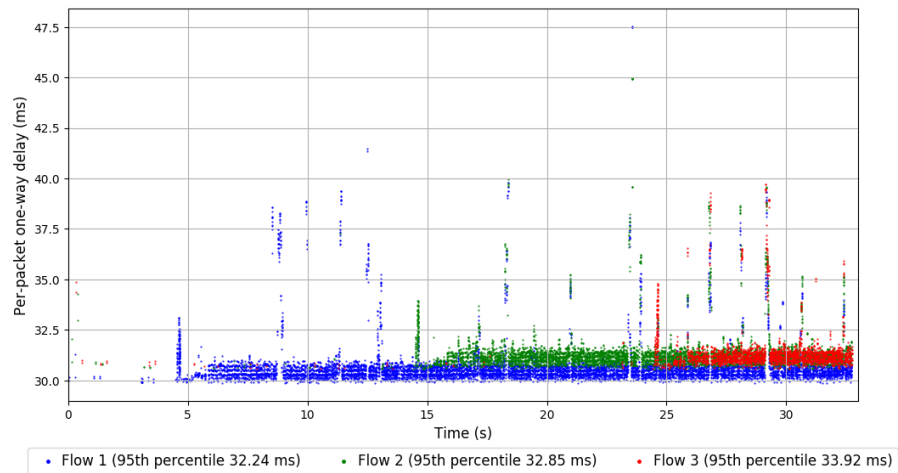
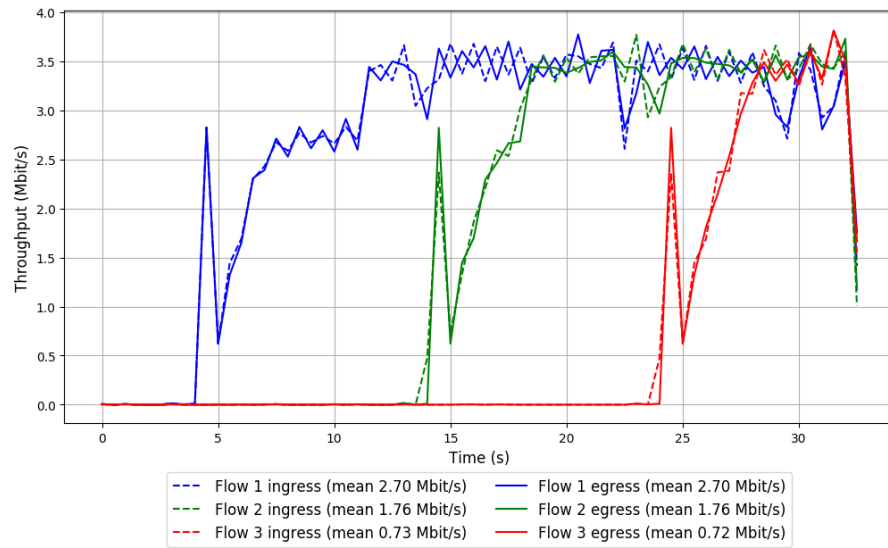


Run 7: Statistics of WebRTC media

Start at: 2018-02-13 20:20:19
End at: 2018-02-13 20:20:49
Local clock offset: 0.096 ms
Remote clock offset: -7.022 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 32.646 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 32.243 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 32.855 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 33.921 ms
Loss rate: 0.20%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-13 20:45:37

End at: 2018-02-13 20:46:07

Local clock offset: -0.499 ms

Remote clock offset: -5.05 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 31.720 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 31.589 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 31.672 ms

Loss rate: 0.04%

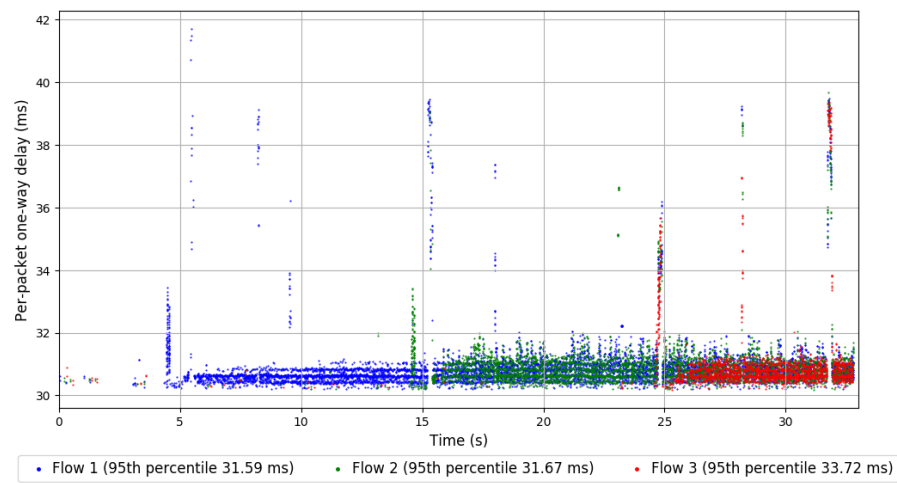
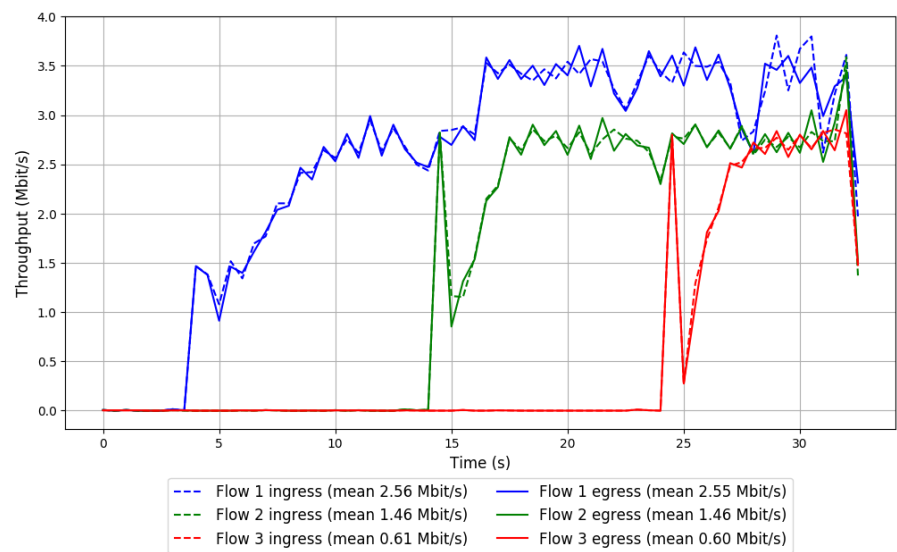
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 33.716 ms

Loss rate: 0.47%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-02-13 21:11:05

End at: 2018-02-13 21:11:35

Local clock offset: -0.134 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.57 Mbit/s

95th percentile per-packet one-way delay: 31.723 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 30.666 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 31.958 ms

Loss rate: 0.32%

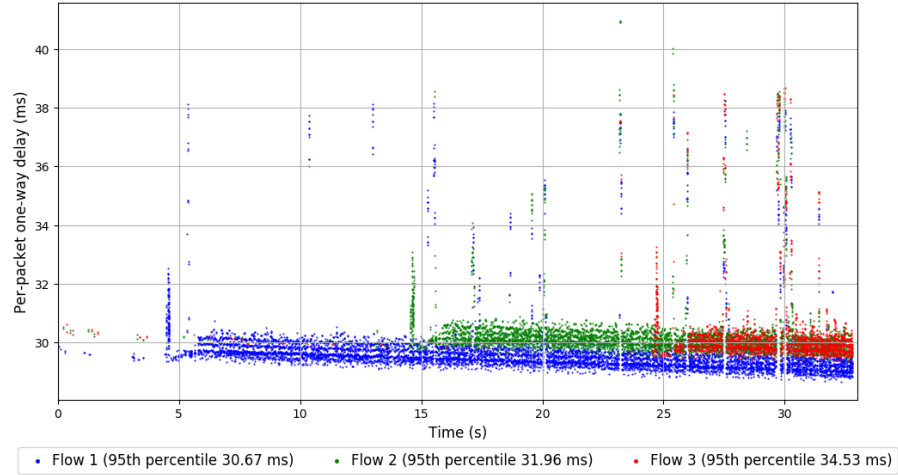
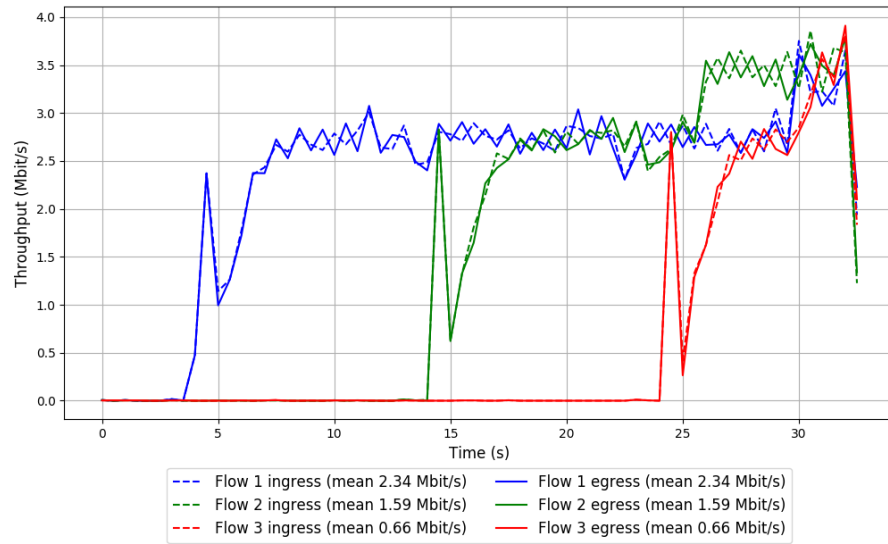
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 34.529 ms

Loss rate: 0.49%

Run 9: Report of WebRTC media — Data Link

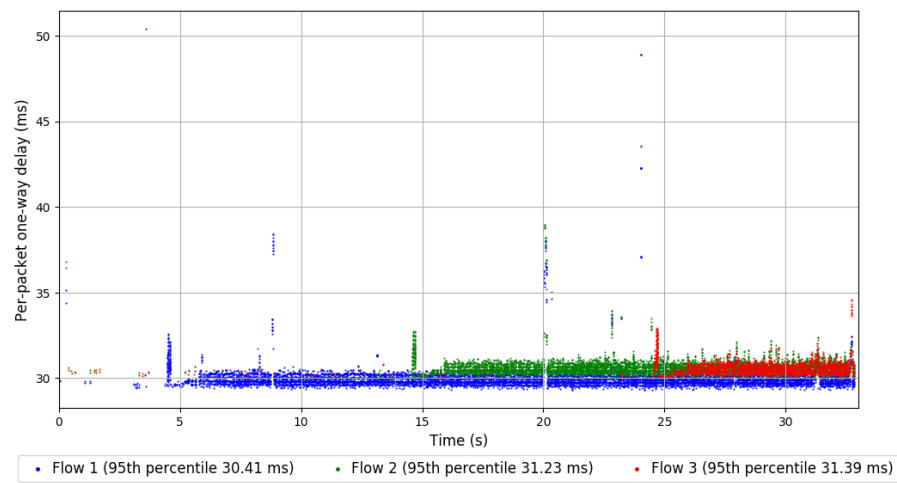
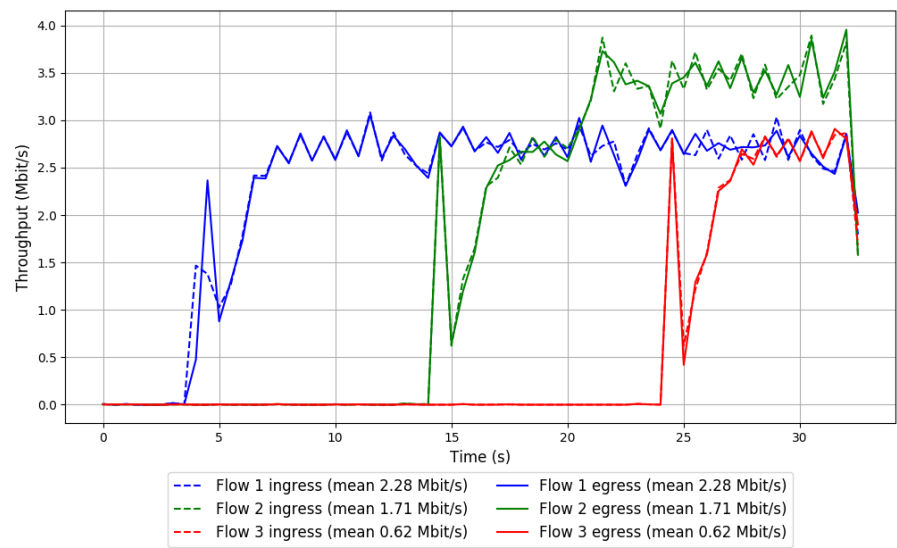


Run 10: Statistics of WebRTC media

Start at: 2018-02-13 21:36:57
End at: 2018-02-13 21:37:27
Local clock offset: -4.74 ms
Remote clock offset: 16.344 ms

Below is generated by plot.py at 2018-02-13 22:31:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 31.066 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 31.227 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 31.392 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-13 17:41:52

End at: 2018-02-13 17:42:22

Local clock offset: 1.181 ms

Remote clock offset: 6.125 ms

Below is generated by plot.py at 2018-02-13 22:31:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.80 Mbit/s

95th percentile per-packet one-way delay: 34.876 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 35.669 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.75 Mbit/s

95th percentile per-packet one-way delay: 34.104 ms

Loss rate: 0.14%

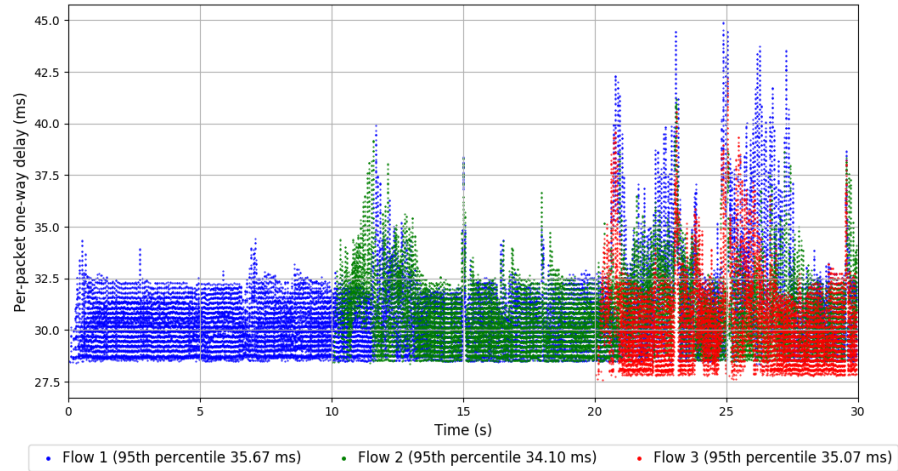
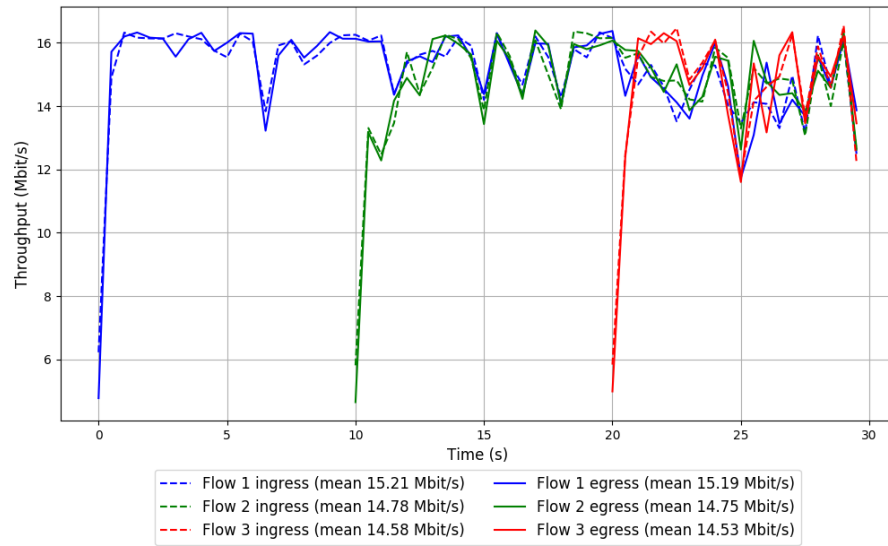
-- Flow 3:

Average throughput: 14.53 Mbit/s

95th percentile per-packet one-way delay: 35.066 ms

Loss rate: 0.28%

Run 1: Report of Sprout — Data Link

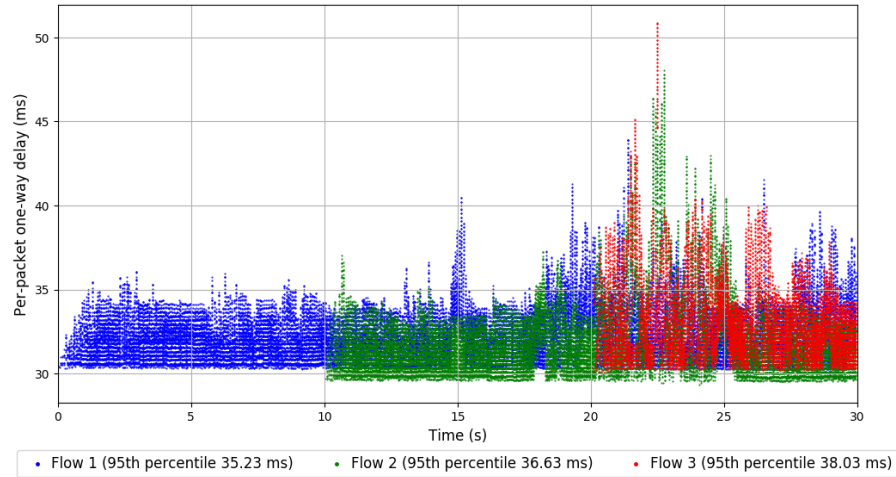
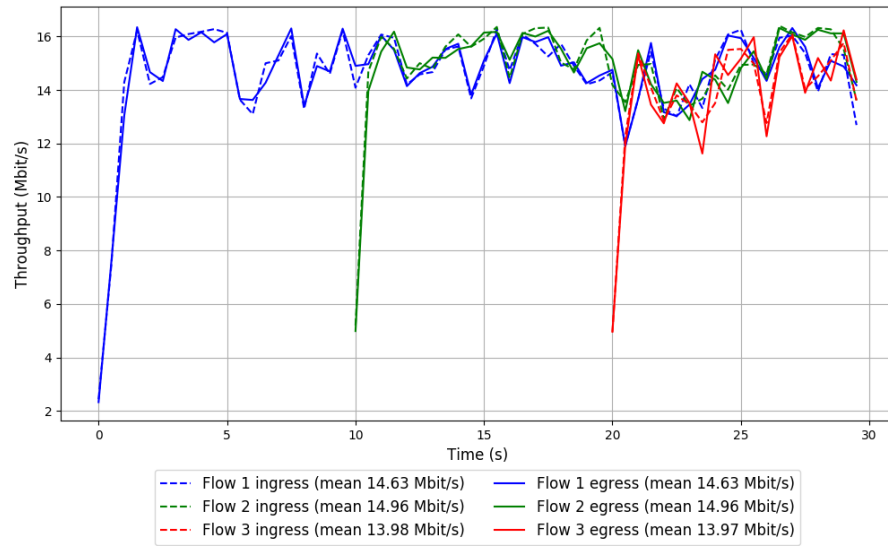


Run 2: Statistics of Sprout

Start at: 2018-02-13 18:08:00
End at: 2018-02-13 18:08:30
Local clock offset: -2.734 ms
Remote clock offset: 20.352 ms

```
# Below is generated by plot.py at 2018-02-13 22:31:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 36.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 35.232 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 36.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: 38.033 ms
Loss rate: 0.00%
```


Run 2: Report of Sprout — Data Link

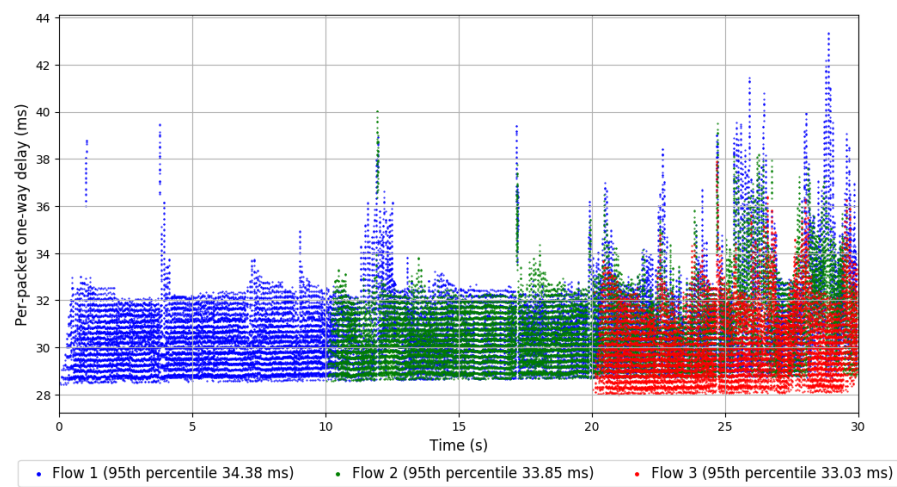
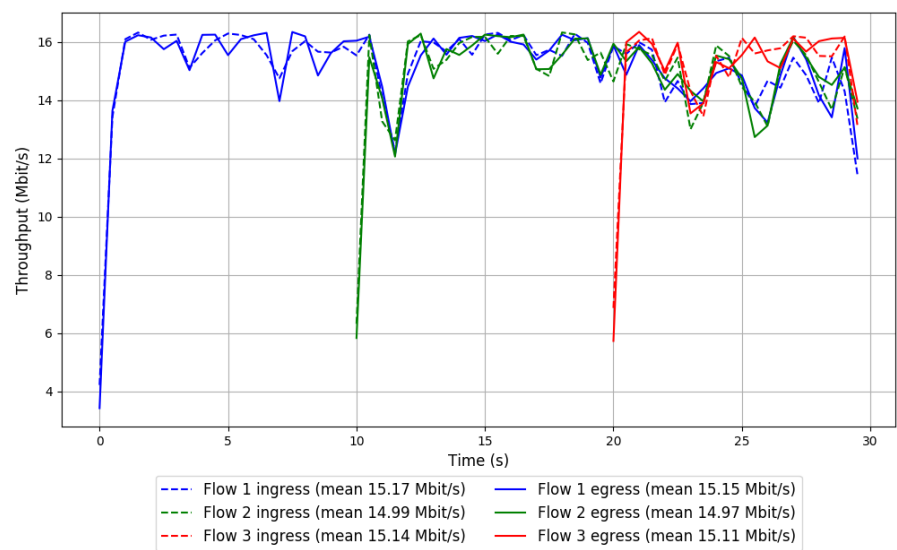


Run 3: Statistics of Sprout

Start at: 2018-02-13 18:34:02
End at: 2018-02-13 18:34:32
Local clock offset: -0.222 ms
Remote clock offset: 5.889 ms

```
# Below is generated by plot.py at 2018-02-13 22:31:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 33.913 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 34.382 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 33.846 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 33.028 ms
Loss rate: 0.16%
```

Run 3: Report of Sprout — Data Link

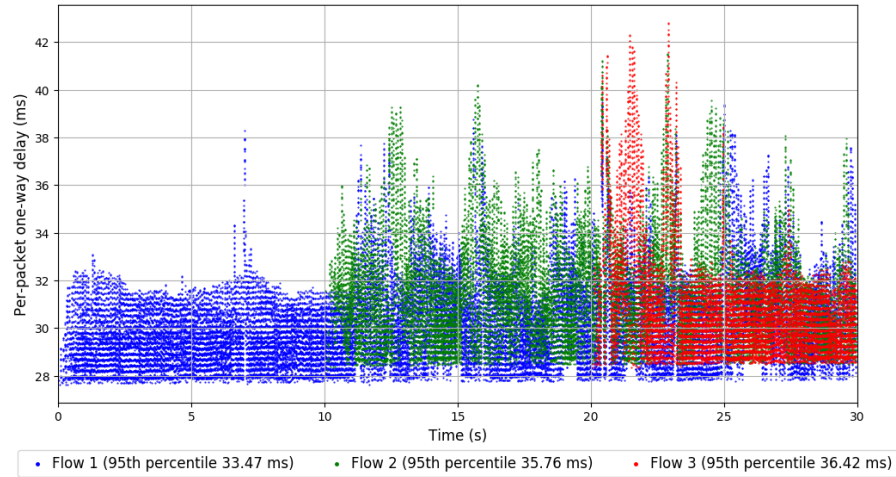
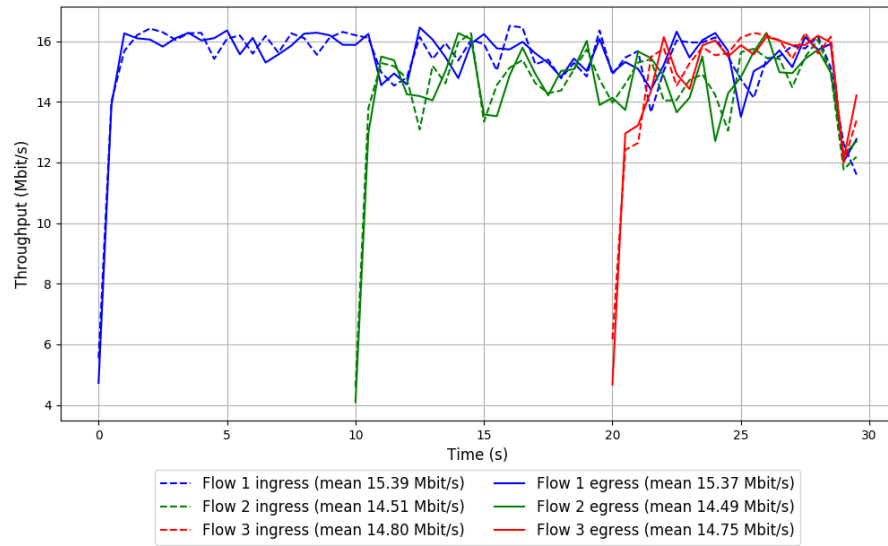


Run 4: Statistics of Sprout

Start at: 2018-02-13 18:59:11
End at: 2018-02-13 18:59:41
Local clock offset: 1.976 ms
Remote clock offset: -2.232 ms

```
# Below is generated by plot.py at 2018-02-13 22:31:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 34.863 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 33.471 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 35.764 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 36.420 ms
Loss rate: 0.26%
```

Run 4: Report of Sprout — Data Link

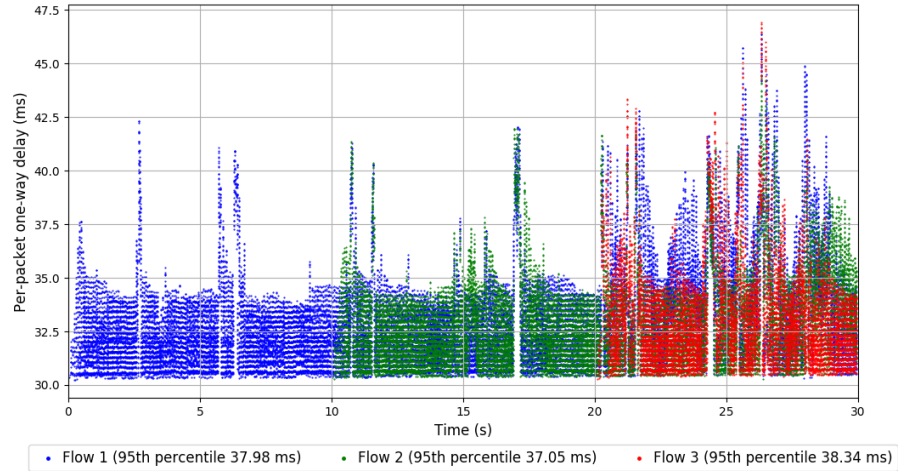
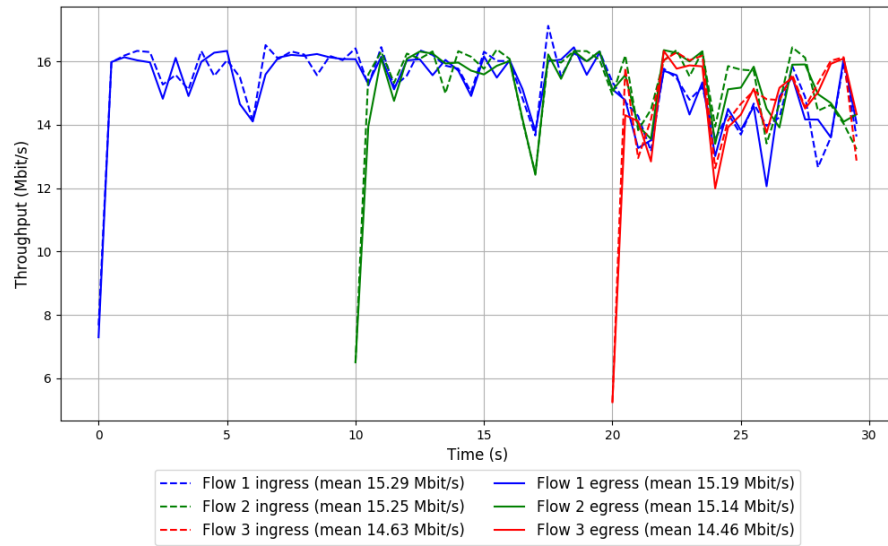


Run 5: Statistics of Sprout

Start at: 2018-02-13 19:24:43
End at: 2018-02-13 19:25:13
Local clock offset: 1.872 ms
Remote clock offset: -7.457 ms

```
# Below is generated by plot.py at 2018-02-13 22:31:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 37.755 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 37.975 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 37.047 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 38.335 ms
Loss rate: 1.13%
```

Run 5: Report of Sprout — Data Link

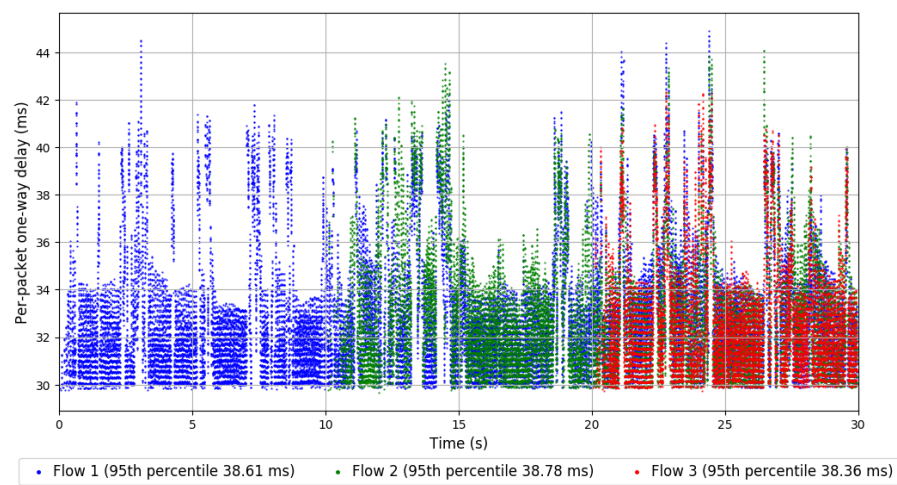
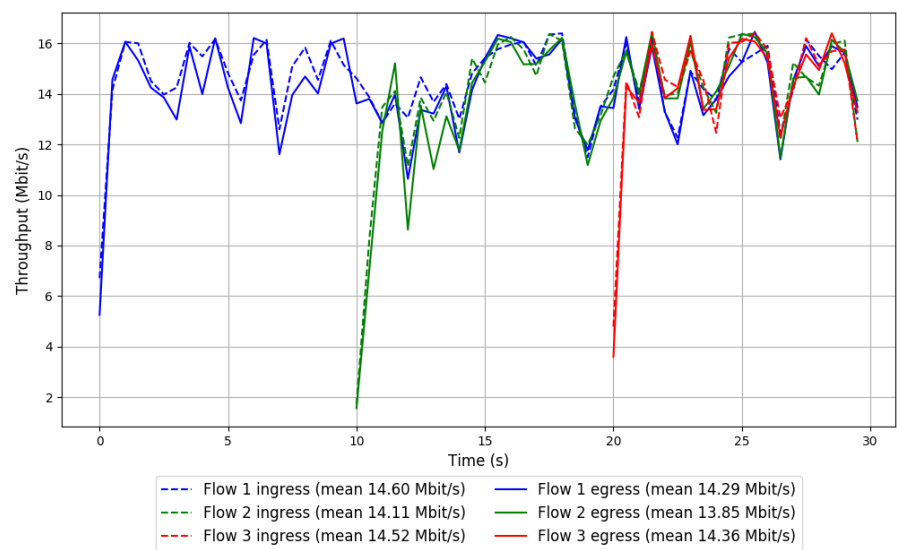


Run 6: Statistics of Sprout

Start at: 2018-02-13 19:50:16
End at: 2018-02-13 19:50:46
Local clock offset: 1.379 ms
Remote clock offset: -9.041 ms

Below is generated by plot.py at 2018-02-13 22:32:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 38.619 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 38.612 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 38.778 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 38.364 ms
Loss rate: 1.07%

Run 6: Report of Sprout — Data Link

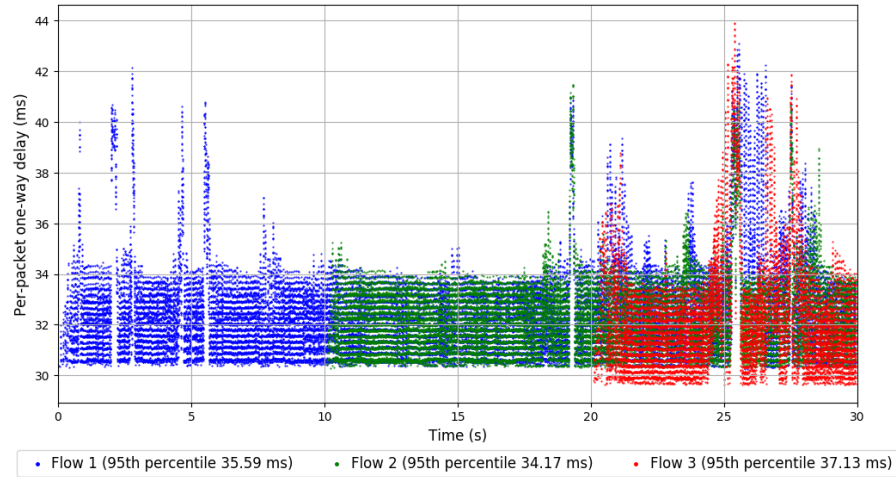
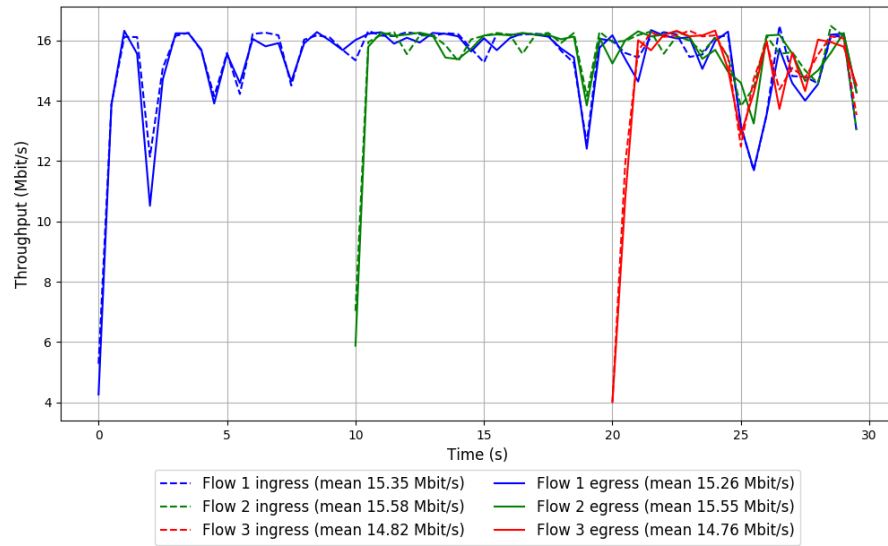


Run 7: Statistics of Sprout

Start at: 2018-02-13 20:16:12
End at: 2018-02-13 20:16:42
Local clock offset: 0.349 ms
Remote clock offset: -7.425 ms

Below is generated by plot.py at 2018-02-13 22:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 35.316 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 35.595 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 34.174 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 37.135 ms
Loss rate: 0.39%

Run 7: Report of Sprout — Data Link

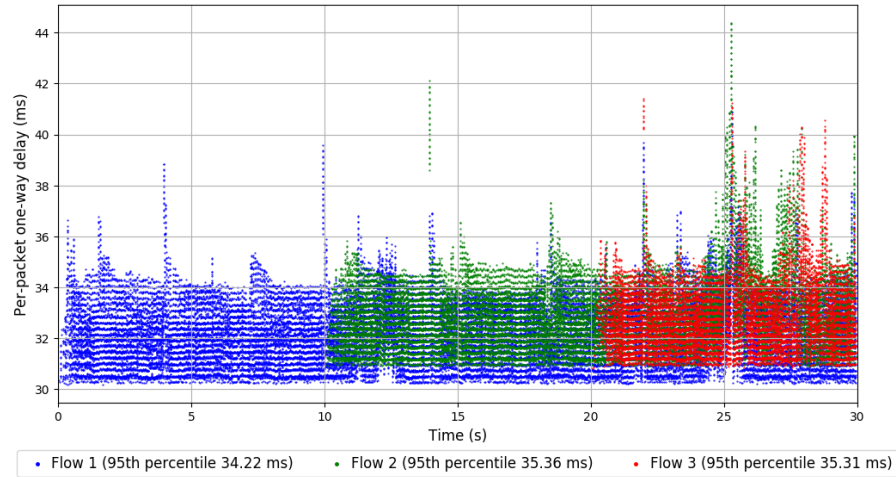
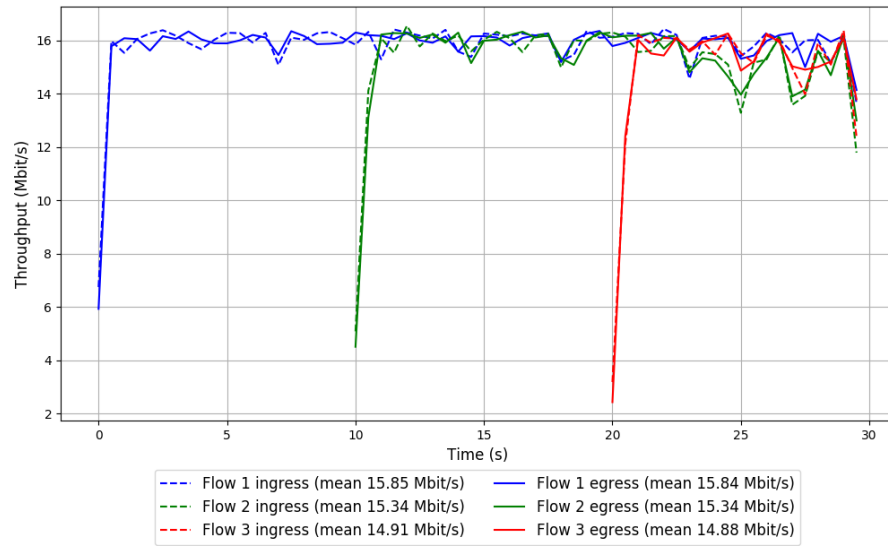


Run 8: Statistics of Sprout

Start at: 2018-02-13 20:41:22
End at: 2018-02-13 20:41:52
Local clock offset: -1.079 ms
Remote clock offset: -5.32 ms

```
# Below is generated by plot.py at 2018-02-13 22:32:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 34.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 35.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 35.314 ms
Loss rate: 0.15%
```

Run 8: Report of Sprout — Data Link

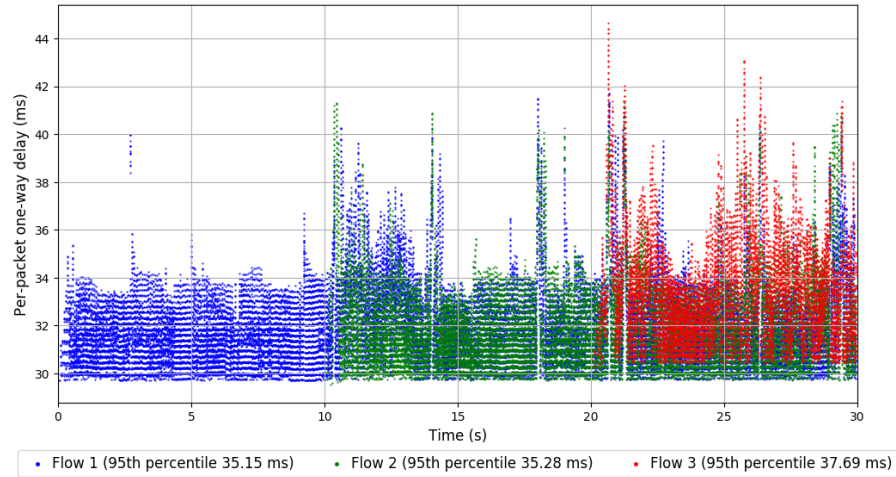
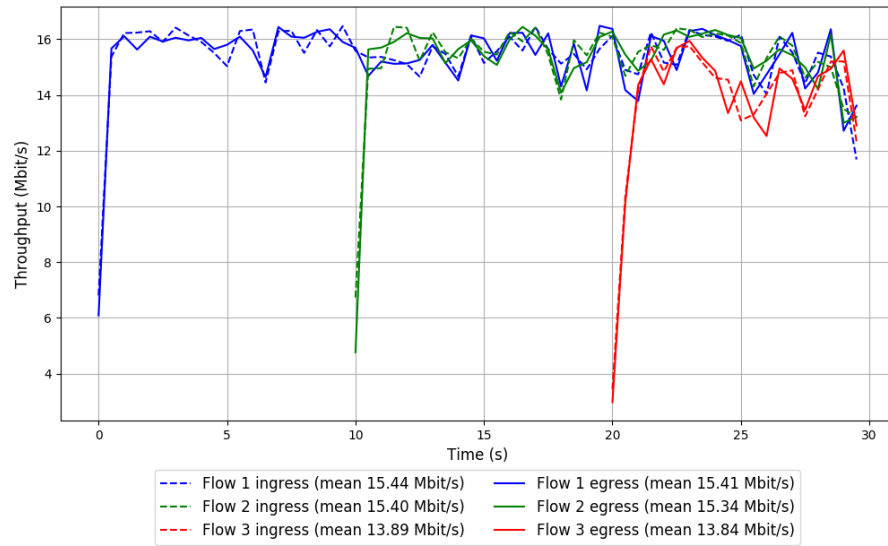


Run 9: Statistics of Sprout

Start at: 2018-02-13 21:06:49
End at: 2018-02-13 21:07:19
Local clock offset: -0.158 ms
Remote clock offset: -4.767 ms

Below is generated by plot.py at 2018-02-13 22:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 35.896 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.41 Mbit/s
95th percentile per-packet one-way delay: 35.147 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 15.34 Mbit/s
95th percentile per-packet one-way delay: 35.285 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 37.690 ms
Loss rate: 0.36%

Run 9: Report of Sprout — Data Link

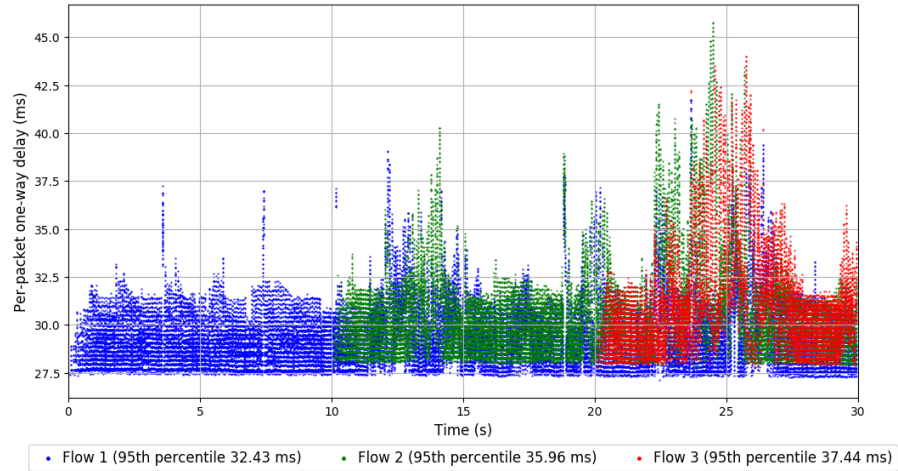
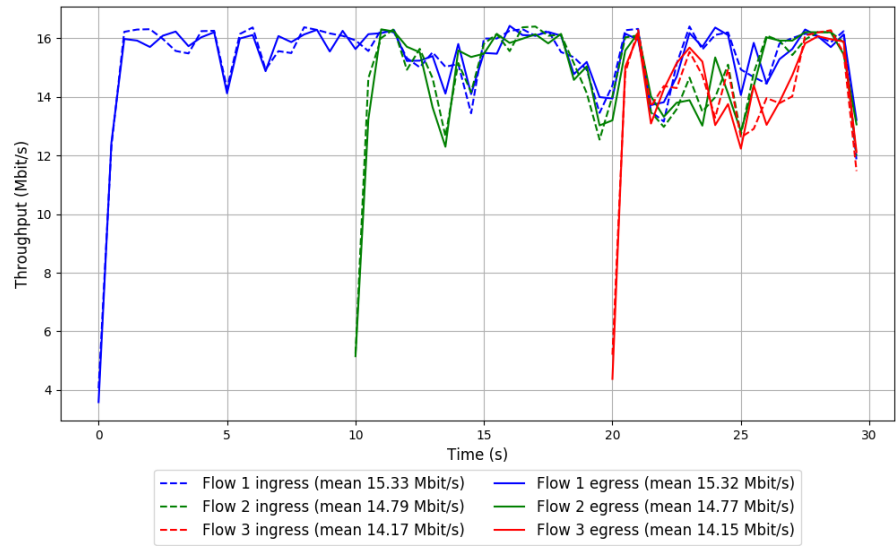


Run 10: Statistics of Sprout

Start at: 2018-02-13 21:32:34
End at: 2018-02-13 21:33:04
Local clock offset: -4.272 ms
Remote clock offset: 13.041 ms

Below is generated by plot.py at 2018-02-13 22:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 34.782 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 32.434 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 35.962 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 37.442 ms
Loss rate: 0.08%

Run 10: Report of Sprout — Data Link

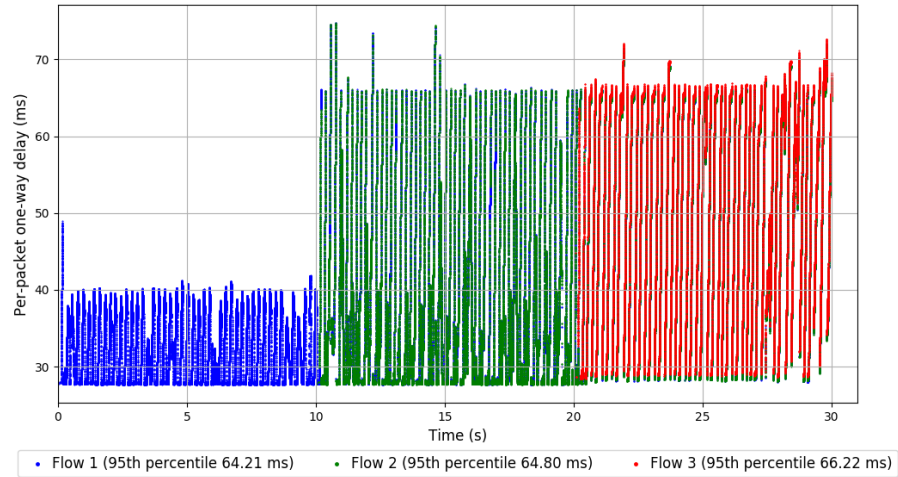
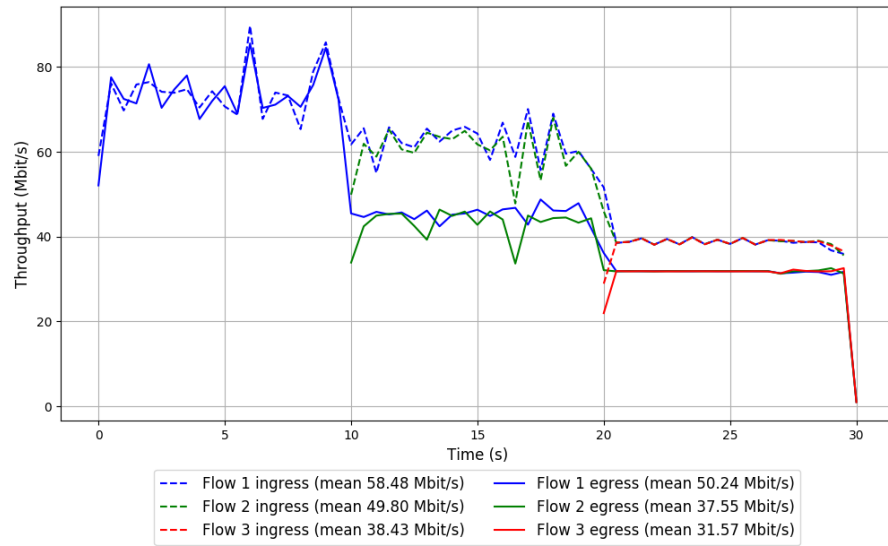


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-13 17:38:52
End at: 2018-02-13 17:39:22
Local clock offset: 1.267 ms
Remote clock offset: 6.052 ms

# Below is generated by plot.py at 2018-02-13 22:34:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 64.894 ms
Loss rate: 17.82%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 64.209 ms
Loss rate: 14.02%
-- Flow 2:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 64.804 ms
Loss rate: 24.52%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 66.220 ms
Loss rate: 17.81%
```

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

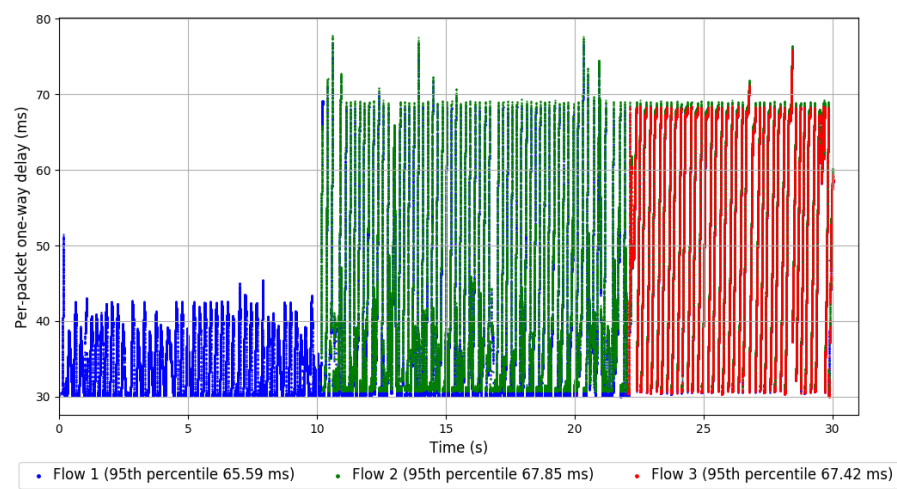
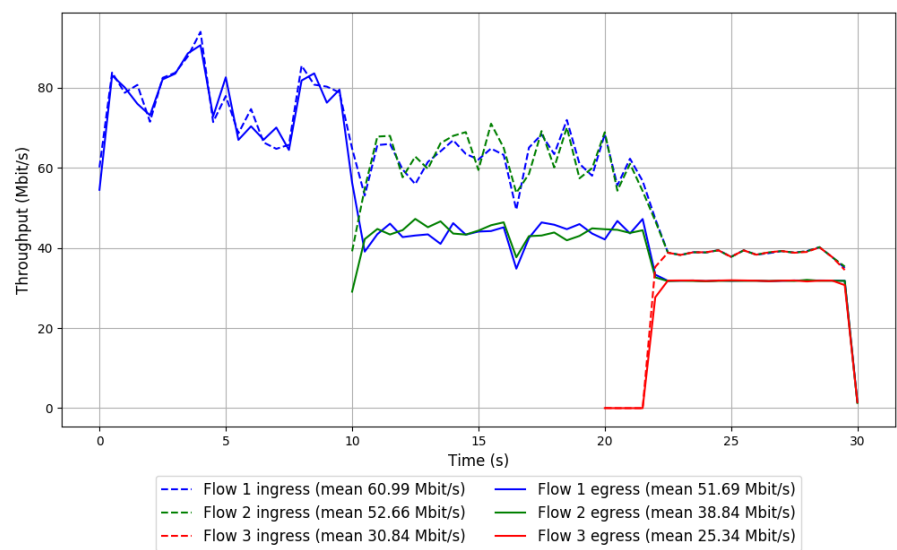


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-13 18:04:50
End at: 2018-02-13 18:05:20
Local clock offset: -2.455 ms
Remote clock offset: 20.169 ms

Below is generated by plot.py at 2018-02-13 22:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 67.190 ms
Loss rate: 19.03%
-- Flow 1:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 65.592 ms
Loss rate: 15.17%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 67.849 ms
Loss rate: 26.17%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 67.425 ms
Loss rate: 17.60%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-02-13 18:31:08

End at: 2018-02-13 18:31:38

Local clock offset: -0.99 ms

Remote clock offset: 7.248 ms

Below is generated by plot.py at 2018-02-13 22:34:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.97 Mbit/s

95th percentile per-packet one-way delay: 65.446 ms

Loss rate: 19.22%

-- Flow 1:

Average throughput: 54.01 Mbit/s

95th percentile per-packet one-way delay: 62.487 ms

Loss rate: 15.53%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 66.082 ms

Loss rate: 26.12%

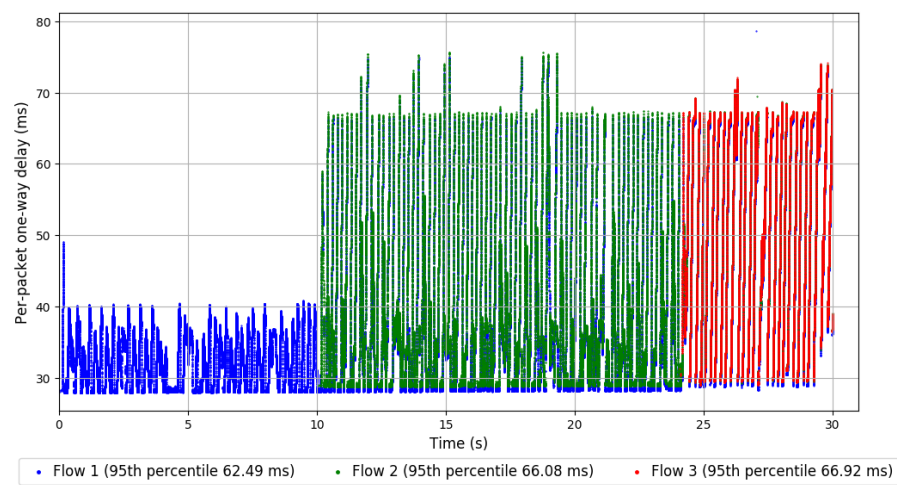
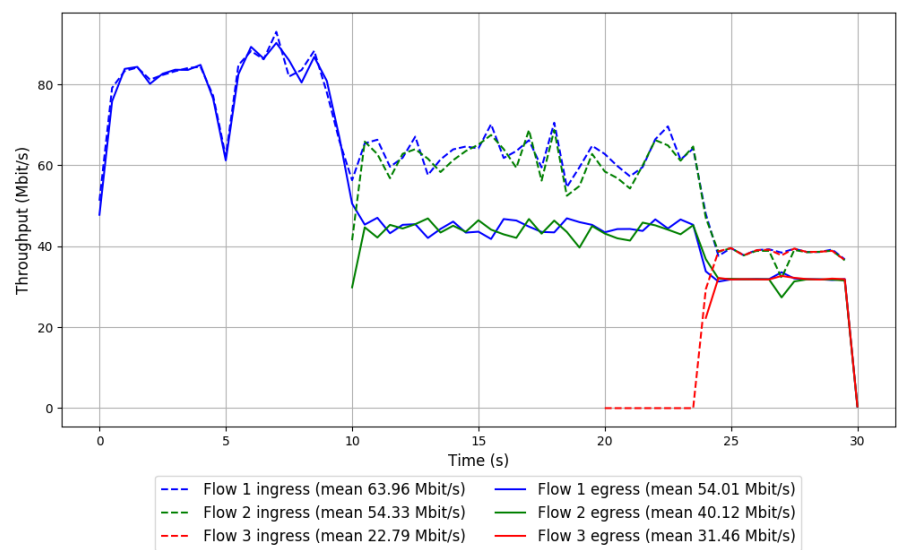
-- Flow 3:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 66.919 ms

Loss rate: 17.41%

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

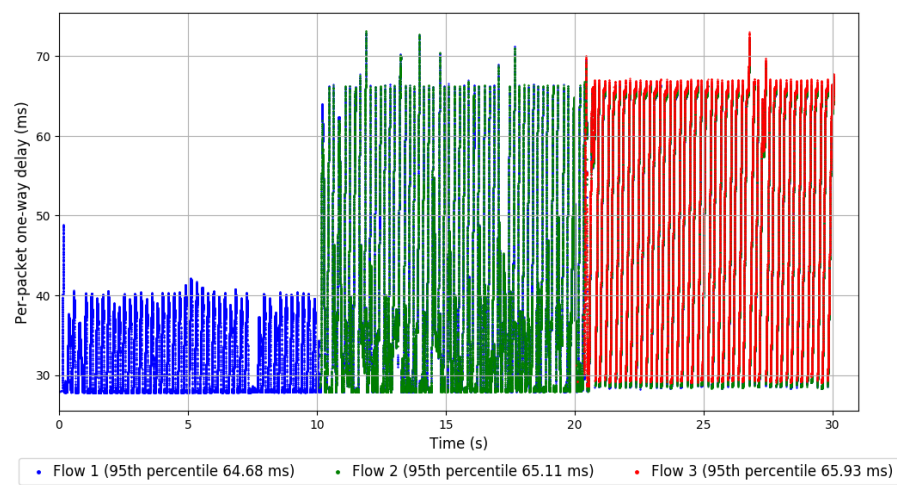
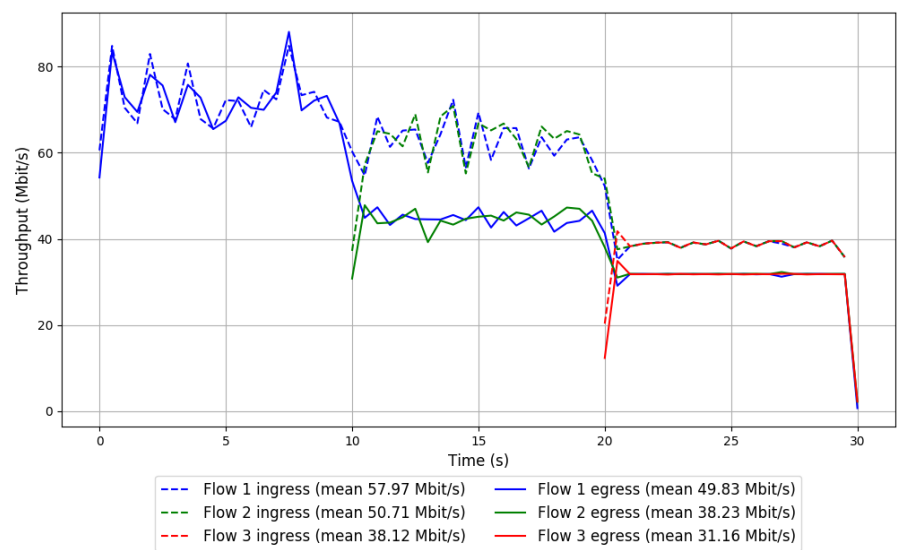


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-13 18:56:12
End at: 2018-02-13 18:56:42
Local clock offset: 1.862 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2018-02-13 22:34:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 65.184 ms
Loss rate: 17.88%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 64.678 ms
Loss rate: 14.00%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 65.109 ms
Loss rate: 24.50%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 65.926 ms
Loss rate: 17.96%

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

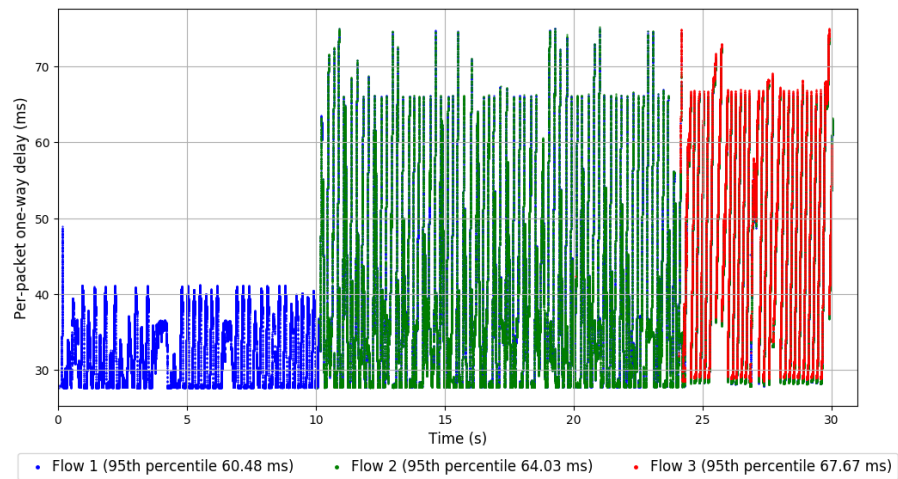
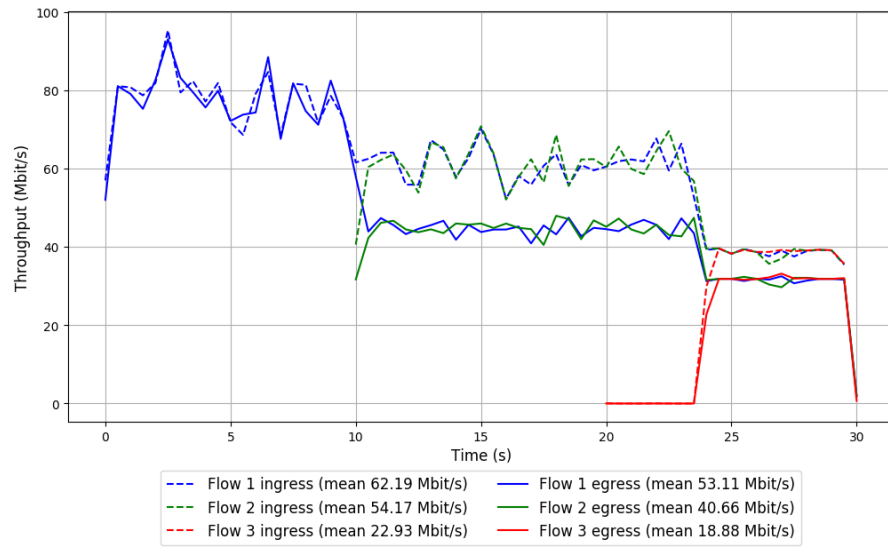


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-13 19:21:43
End at: 2018-02-13 19:22:14
Local clock offset: 1.869 ms
Remote clock offset: -9.177 ms

Below is generated by plot.py at 2018-02-13 22:34:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 62.928 ms
Loss rate: 18.24%
-- Flow 1:
Average throughput: 53.11 Mbit/s
95th percentile per-packet one-way delay: 60.477 ms
Loss rate: 14.49%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 64.029 ms
Loss rate: 24.82%
-- Flow 3:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 67.674 ms
Loss rate: 17.66%

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

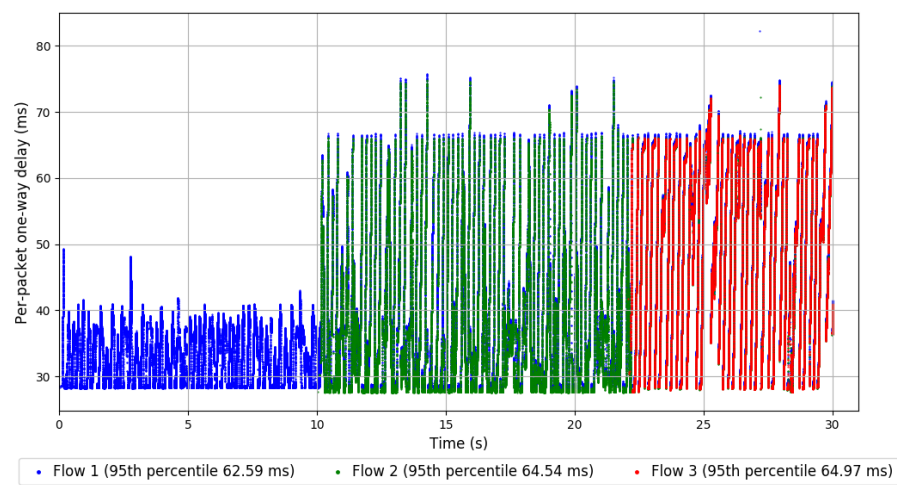
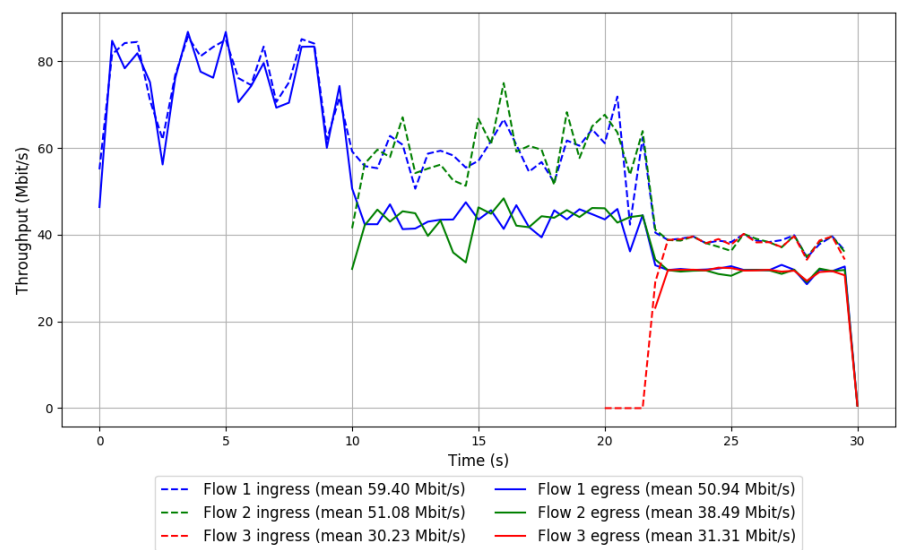


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-13 19:47:15
End at: 2018-02-13 19:47:45
Local clock offset: 1.497 ms
Remote clock offset: -10.738 ms

Below is generated by plot.py at 2018-02-13 22:34:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 64.396 ms
Loss rate: 17.92%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 62.590 ms
Loss rate: 14.21%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 64.540 ms
Loss rate: 24.59%
-- Flow 3:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 64.970 ms
Loss rate: 17.29%

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

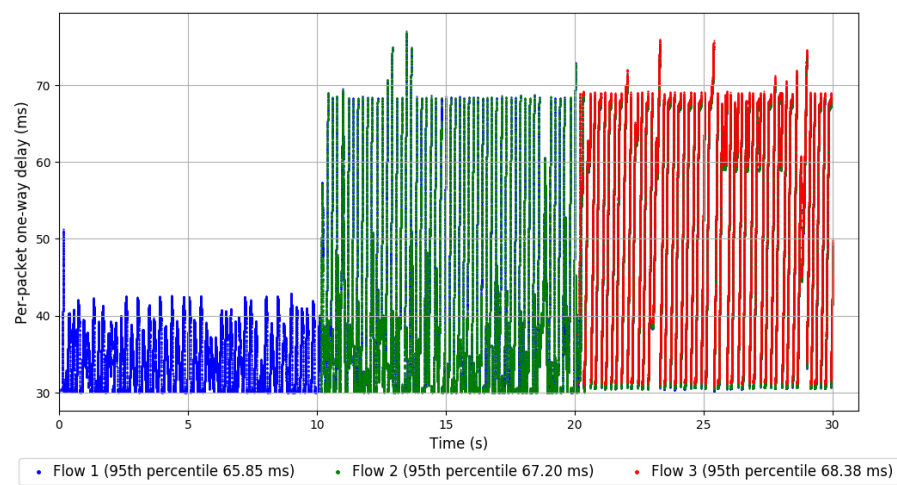
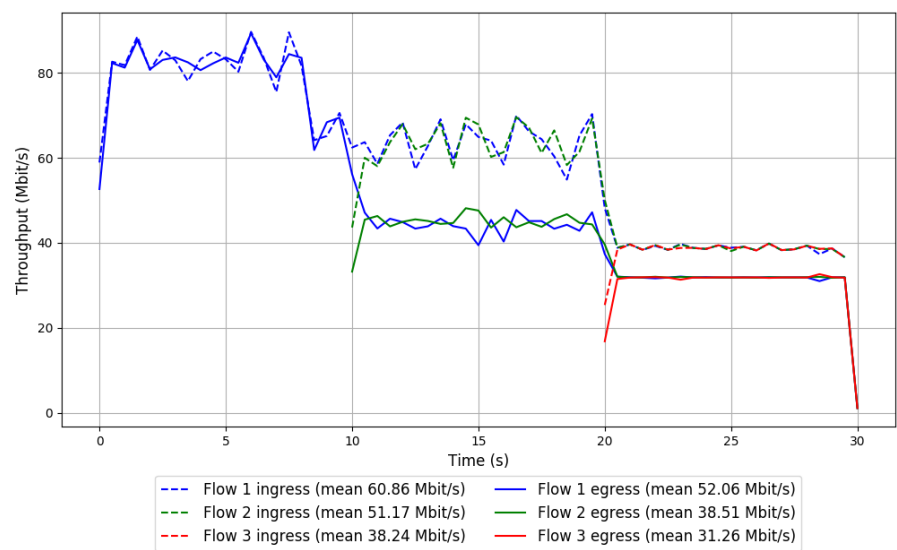


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-13 20:13:21
End at: 2018-02-13 20:13:51
Local clock offset: 0.582 ms
Remote clock offset: -7.101 ms

Below is generated by plot.py at 2018-02-13 22:34:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 67.215 ms
Loss rate: 18.09%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 65.849 ms
Loss rate: 14.39%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 67.199 ms
Loss rate: 24.68%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 68.379 ms
Loss rate: 18.16%

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

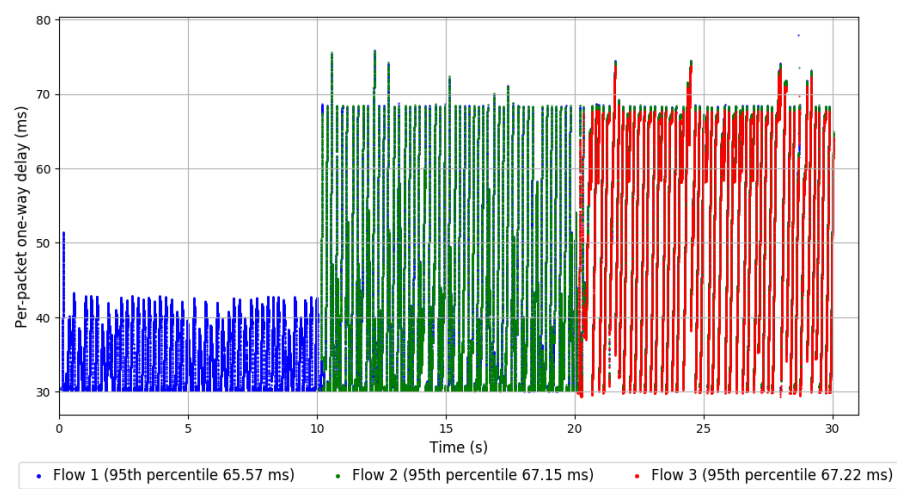
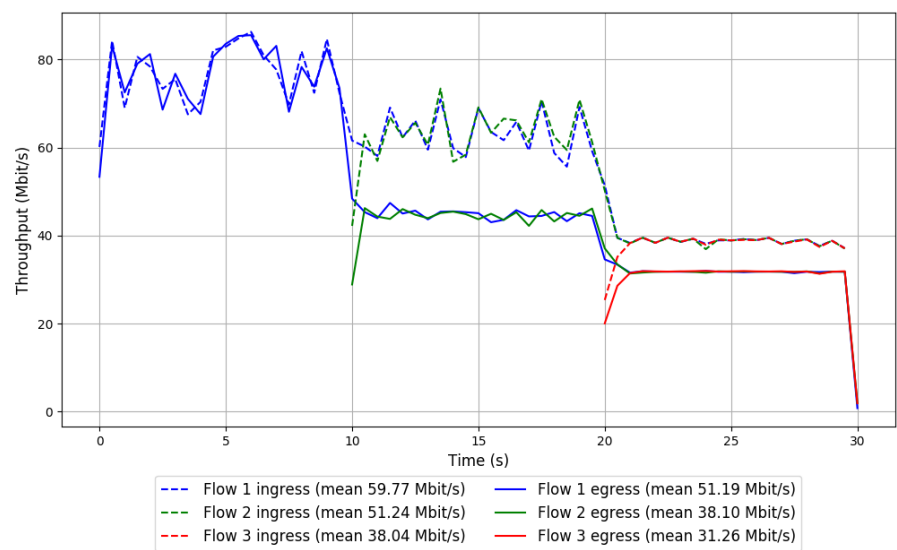


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 20:38:26
End at: 2018-02-13 20:38:56
Local clock offset: -0.994 ms
Remote clock offset: -6.715 ms

Below is generated by plot.py at 2018-02-13 22:34:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 66.864 ms
Loss rate: 18.29%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 65.574 ms
Loss rate: 14.31%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 67.146 ms
Loss rate: 25.51%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 67.221 ms
Loss rate: 17.63%

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

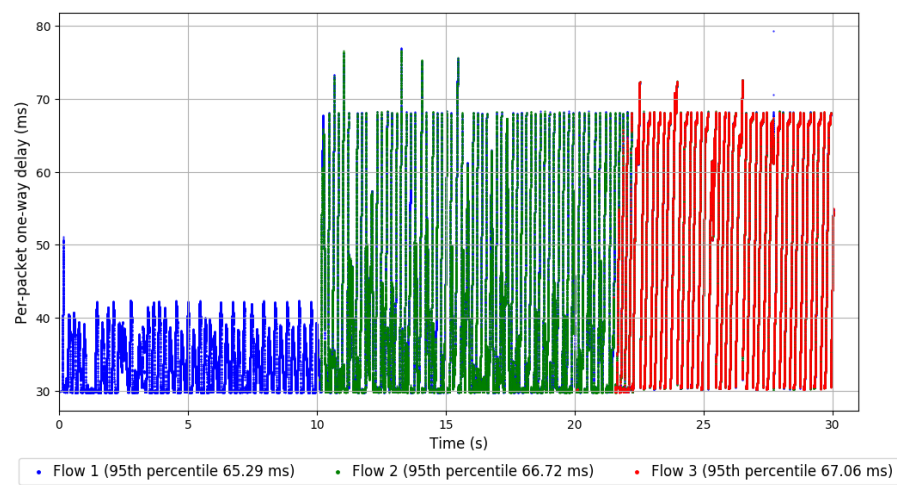
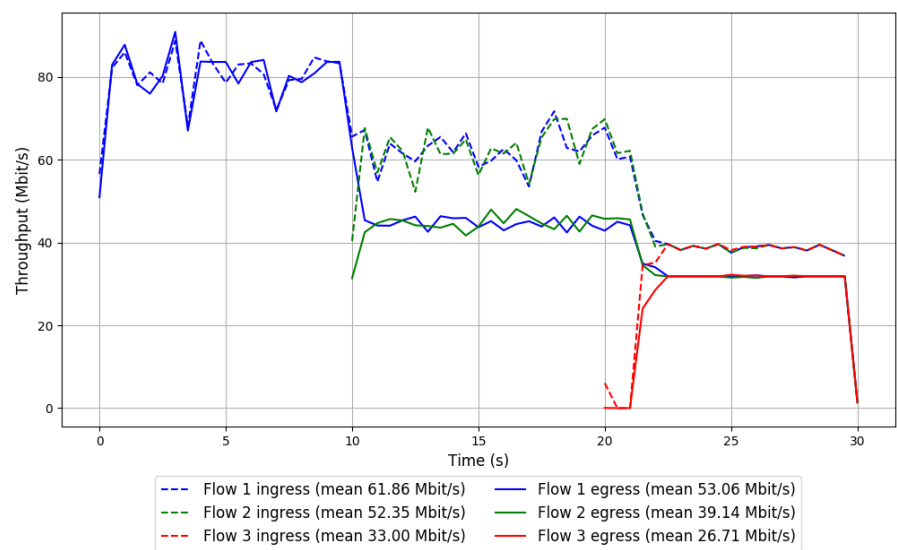


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 21:03:45
End at: 2018-02-13 21:04:15
Local clock offset: -0.142 ms
Remote clock offset: -4.568 ms

Below is generated by plot.py at 2018-02-13 22:36:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 66.604 ms
Loss rate: 18.19%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 65.288 ms
Loss rate: 14.15%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 66.717 ms
Loss rate: 25.16%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 67.060 ms
Loss rate: 18.86%

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

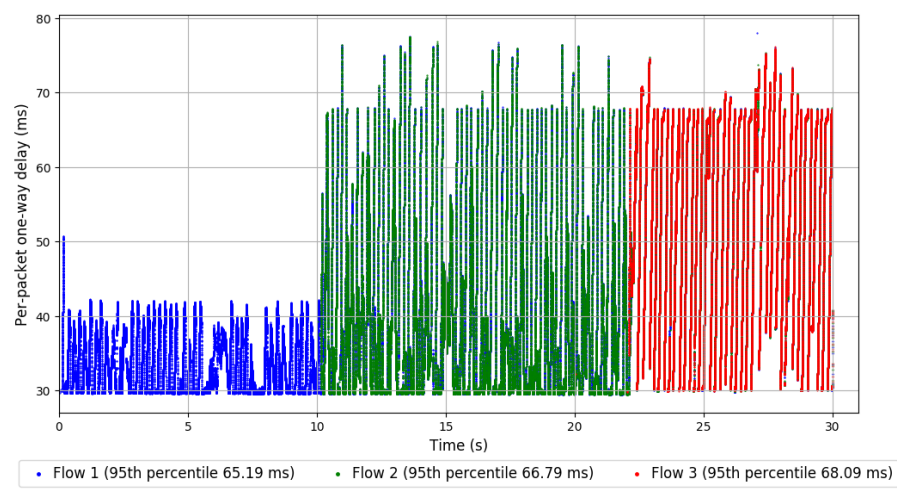
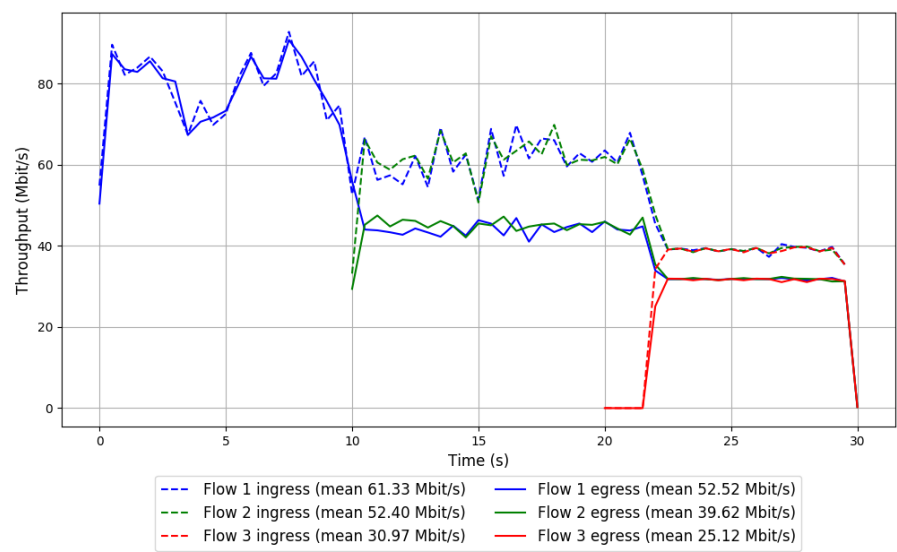


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 21:29:33
End at: 2018-02-13 21:30:03
Local clock offset: -3.881 ms
Remote clock offset: 14.338 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 66.506 ms
Loss rate: 18.06%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 65.189 ms
Loss rate: 14.34%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 66.788 ms
Loss rate: 24.39%
-- Flow 3:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 68.091 ms
Loss rate: 18.83%

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

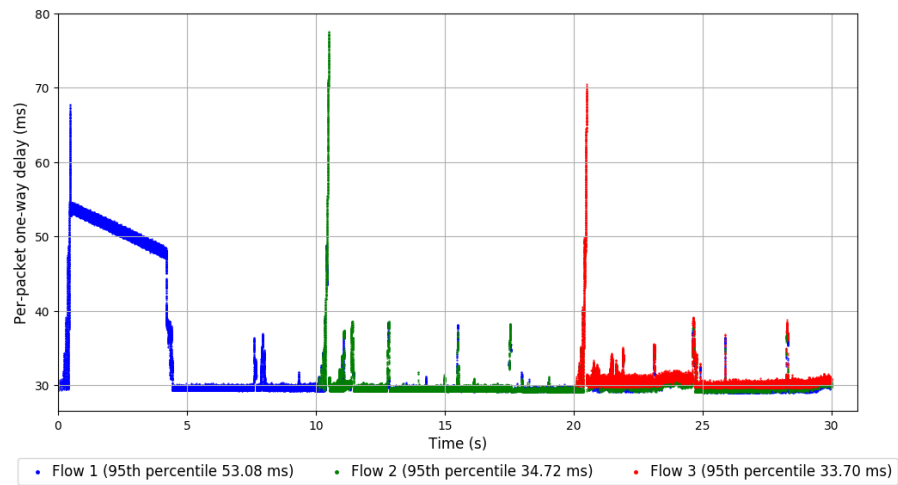
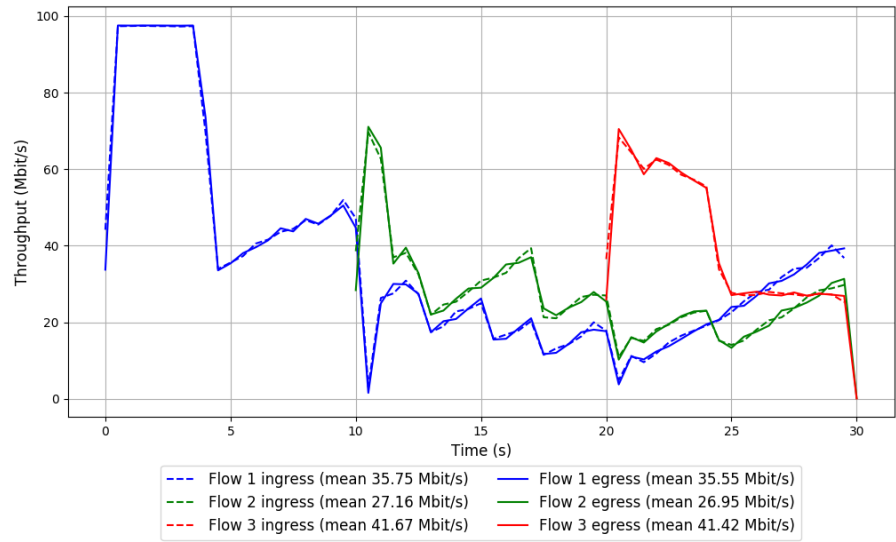


Run 1: Statistics of TCP Vegas

Start at: 2018-02-13 17:53:12
End at: 2018-02-13 17:53:42
Local clock offset: 0.139 ms
Remote clock offset: 15.931 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 52.468 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 35.55 Mbit/s
95th percentile per-packet one-way delay: 53.076 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 34.723 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 33.698 ms
Loss rate: 0.60%

Run 1: Report of TCP Vegas — Data Link

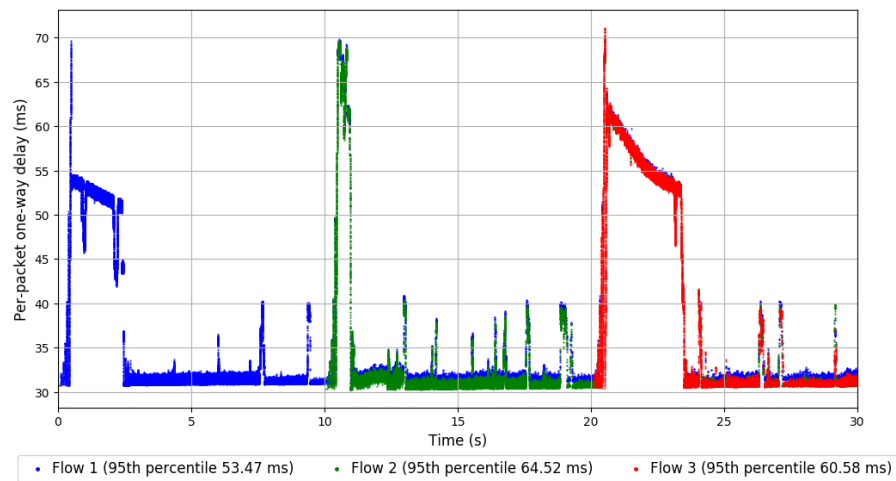
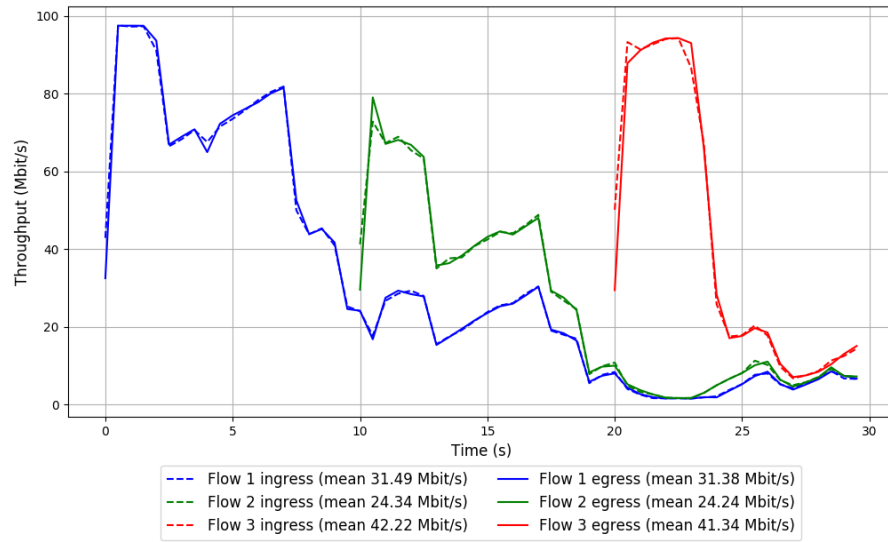


Run 2: Statistics of TCP Vegas

Start at: 2018-02-13 18:19:42
End at: 2018-02-13 18:20:12
Local clock offset: -3.523 ms
Remote clock offset: 19.249 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 59.989 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 60.577 ms
Loss rate: 2.08%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-13 18:45:12

End at: 2018-02-13 18:45:42

Local clock offset: 1.166 ms

Remote clock offset: 2.329 ms

Below is generated by plot.py at 2018-02-13 22:36:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 59.240 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 36.22 Mbit/s

95th percentile per-packet one-way delay: 35.746 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 15.02 Mbit/s

95th percentile per-packet one-way delay: 34.232 ms

Loss rate: 0.29%

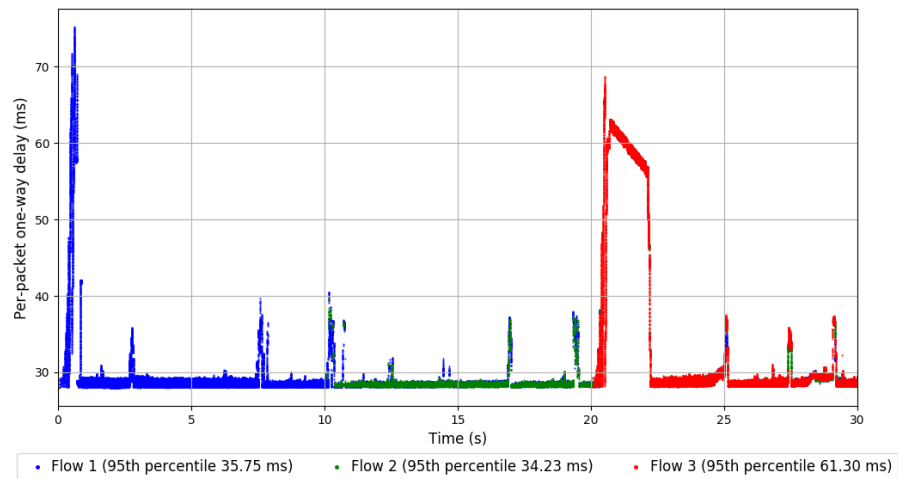
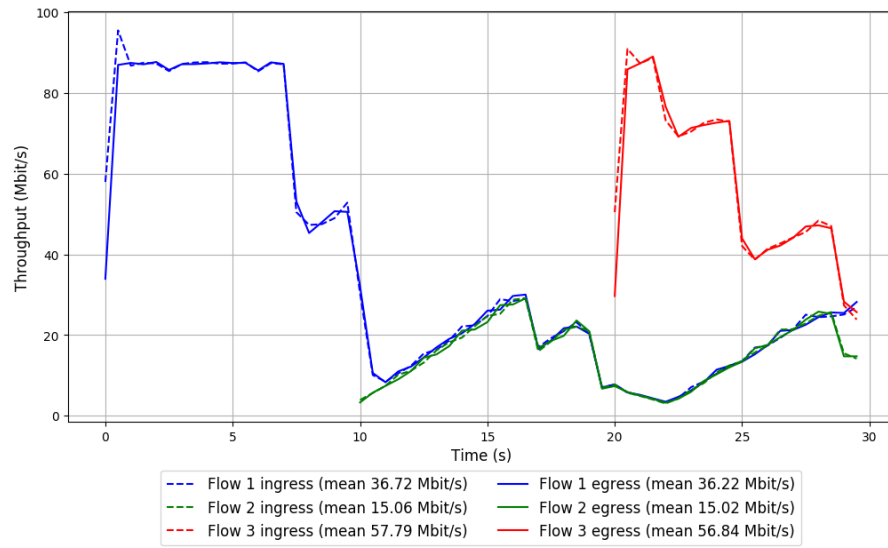
-- Flow 3:

Average throughput: 56.84 Mbit/s

95th percentile per-packet one-way delay: 61.301 ms

Loss rate: 1.65%

Run 3: Report of TCP Vegas — Data Link

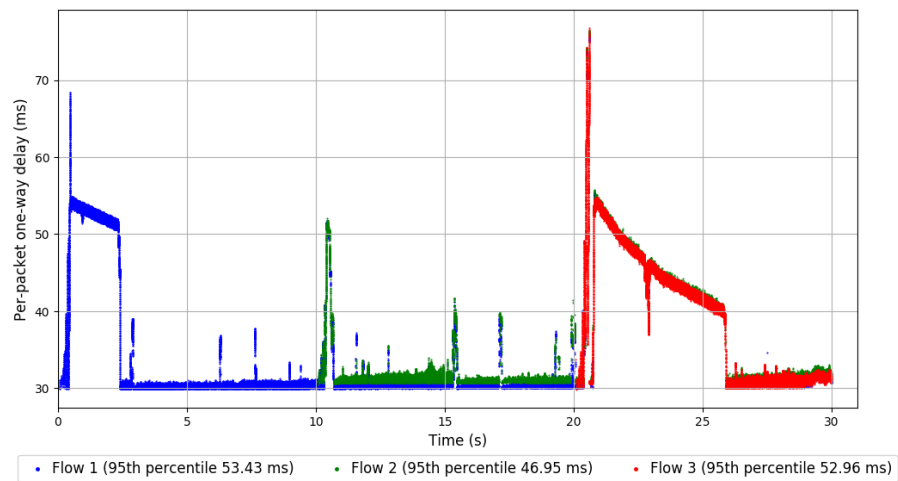
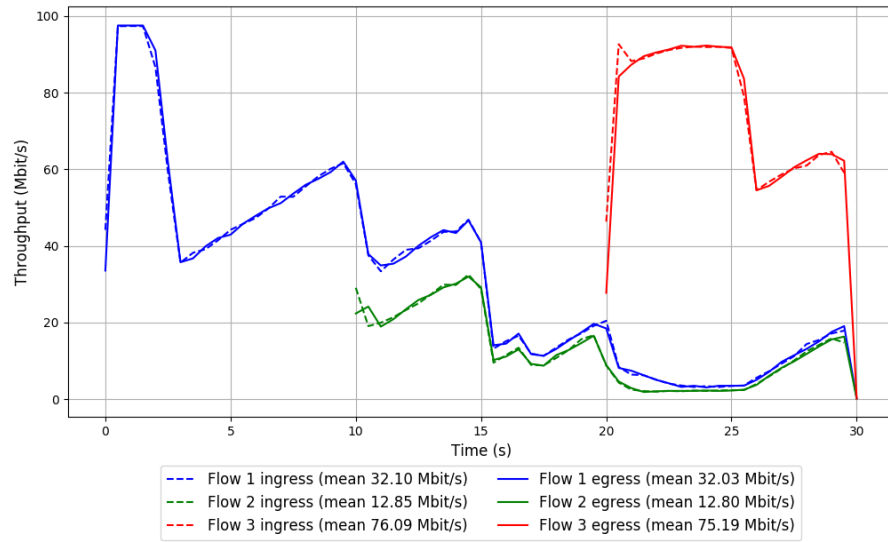


Run 4: Statistics of TCP Vegas

Start at: 2018-02-13 19:10:11
End at: 2018-02-13 19:10:41
Local clock offset: 1.733 ms
Remote clock offset: -3.532 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 53.194 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 53.433 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 46.947 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 52.958 ms
Loss rate: 1.21%

Run 4: Report of TCP Vegas — Data Link

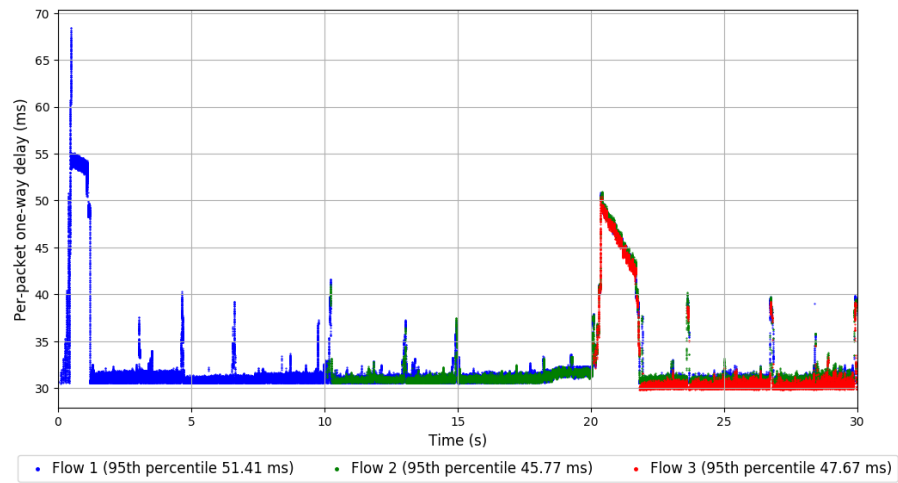
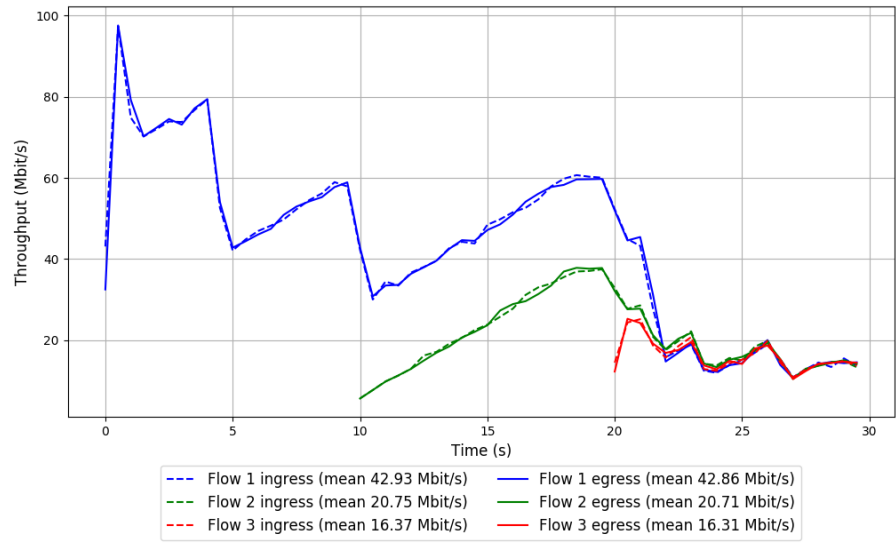


Run 5: Statistics of TCP Vegas

Start at: 2018-02-13 19:35:57
End at: 2018-02-13 19:36:27
Local clock offset: 1.784 ms
Remote clock offset: -7.425 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 48.417 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 42.86 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 45.768 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 47.675 ms
Loss rate: 0.40%

Run 5: Report of TCP Vegas — Data Link

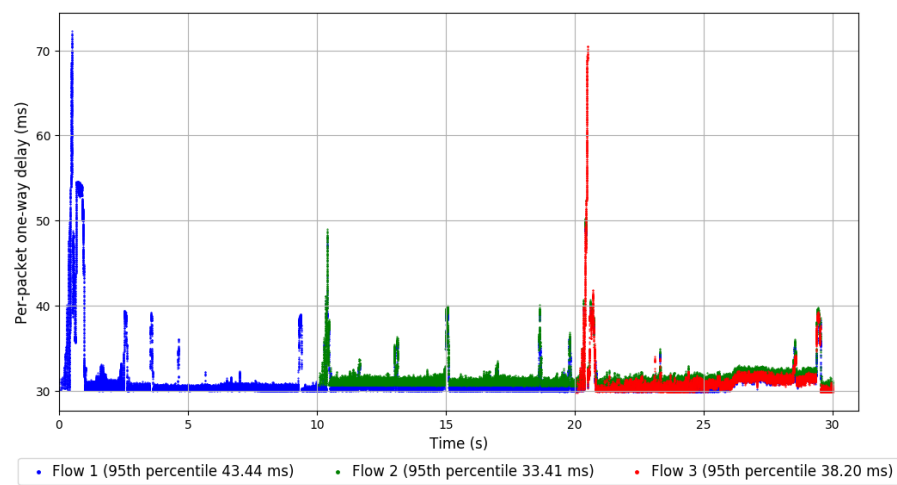
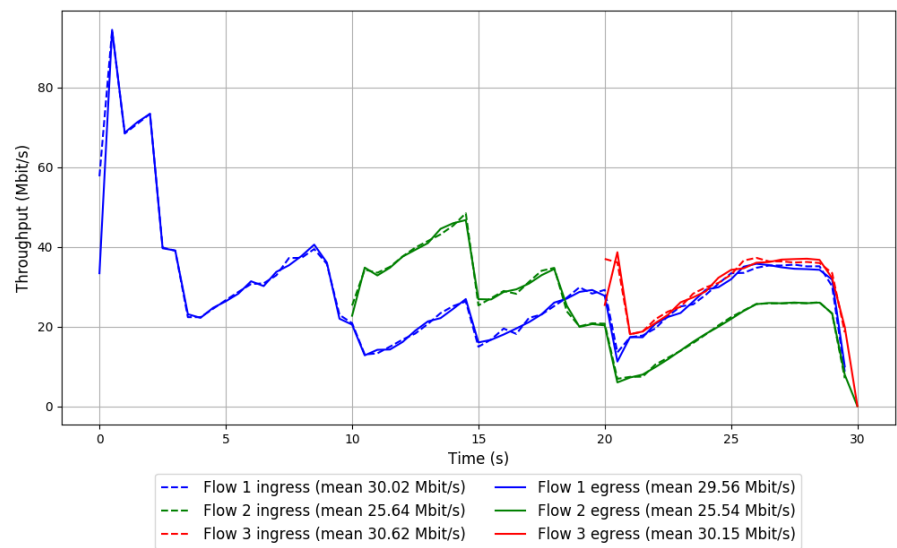


Run 6: Statistics of TCP Vegas

Start at: 2018-02-13 20:01:37
End at: 2018-02-13 20:02:07
Local clock offset: 1.284 ms
Remote clock offset: -9.193 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 38.339 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 43.439 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 33.411 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 38.198 ms
Loss rate: 1.54%

Run 6: Report of TCP Vegas — Data Link

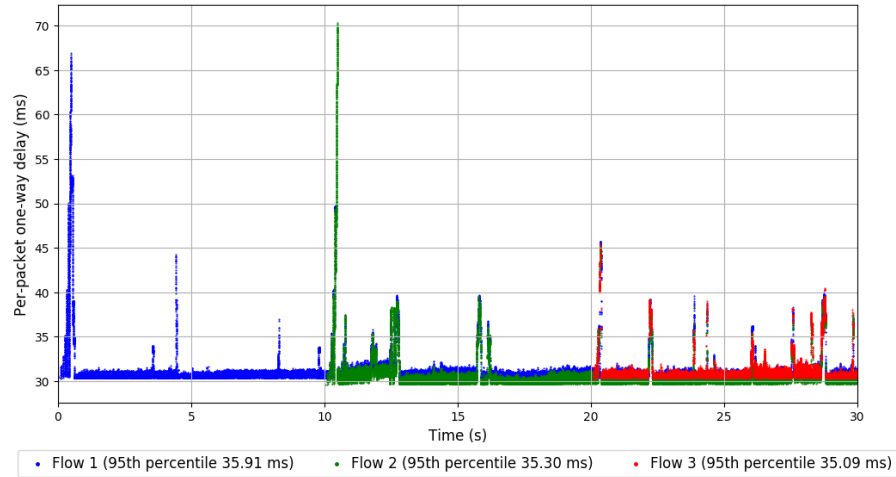
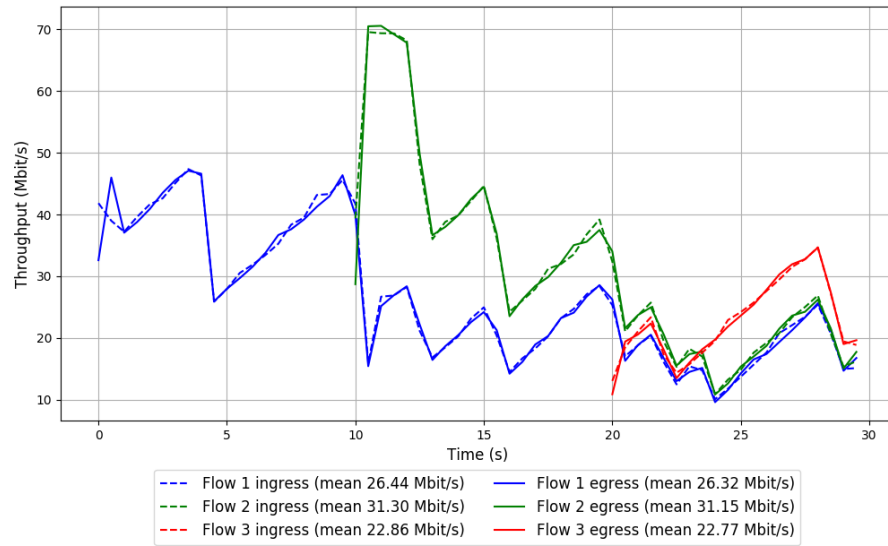


Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 20:27:13
End at: 2018-02-13 20:27:43
Local clock offset: -0.324 ms
Remote clock offset: -7.765 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 35.530 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 35.906 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 35.303 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 35.095 ms
Loss rate: 0.40%

Run 7: Report of TCP Vegas — Data Link

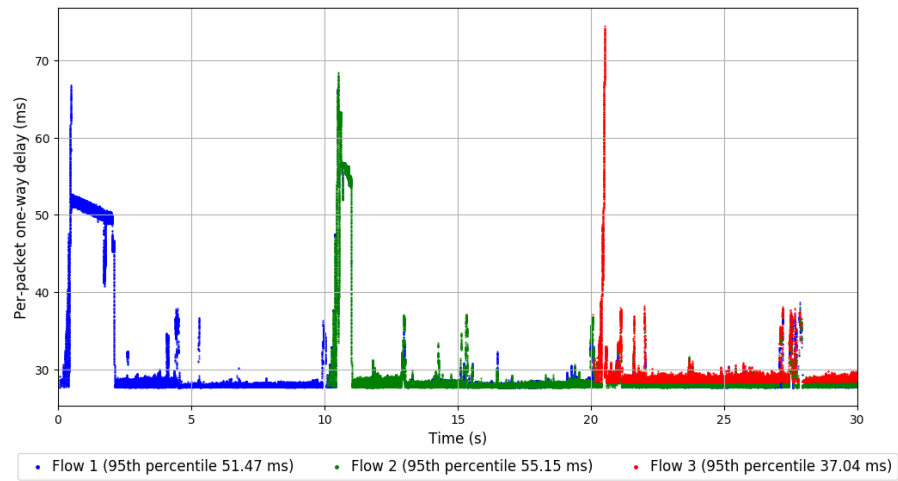
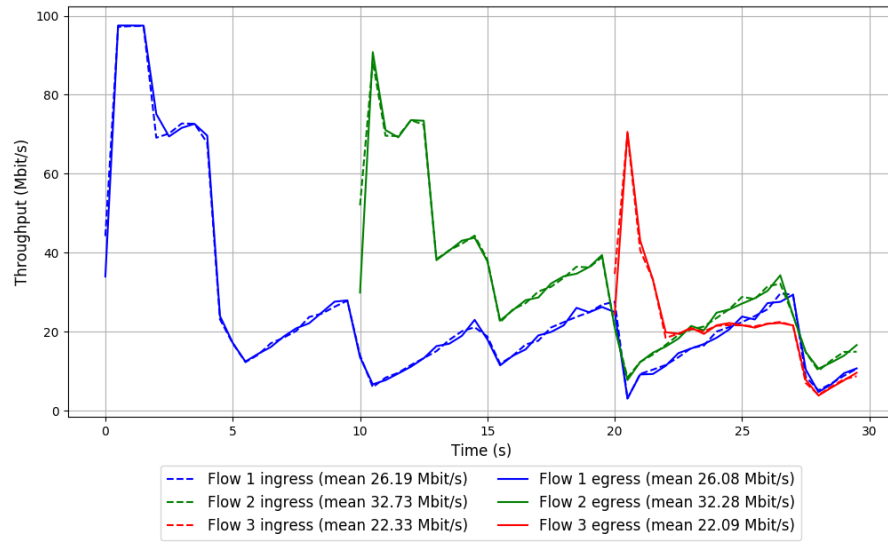


Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 20:52:36
End at: 2018-02-13 20:53:06
Local clock offset: -0.199 ms
Remote clock offset: -6.625 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 51.585 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 51.471 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 55.153 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 37.042 ms
Loss rate: 1.15%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 21:18:09

End at: 2018-02-13 21:18:39

Local clock offset: -1.455 ms

Remote clock offset: 5.892 ms

Below is generated by plot.py at 2018-02-13 22:36:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 32.935 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 18.29 Mbit/s

95th percentile per-packet one-way delay: 29.426 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 19.34 Mbit/s

95th percentile per-packet one-way delay: 36.889 ms

Loss rate: 0.32%

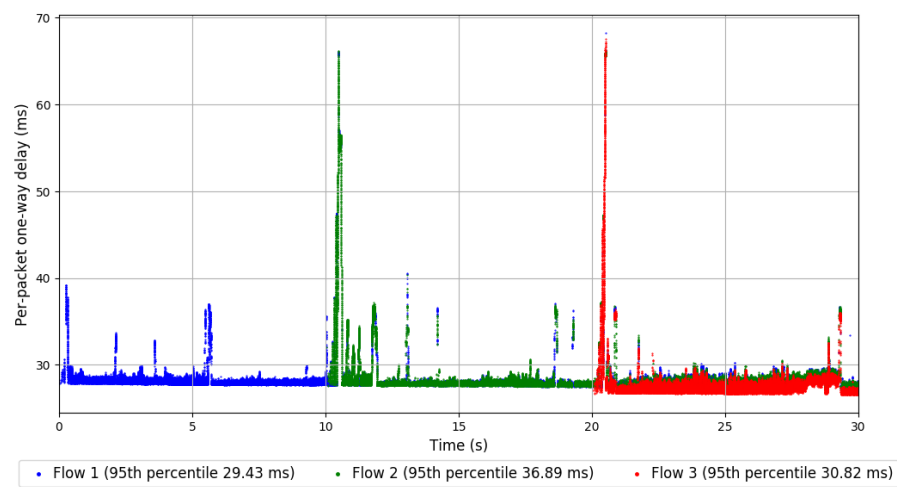
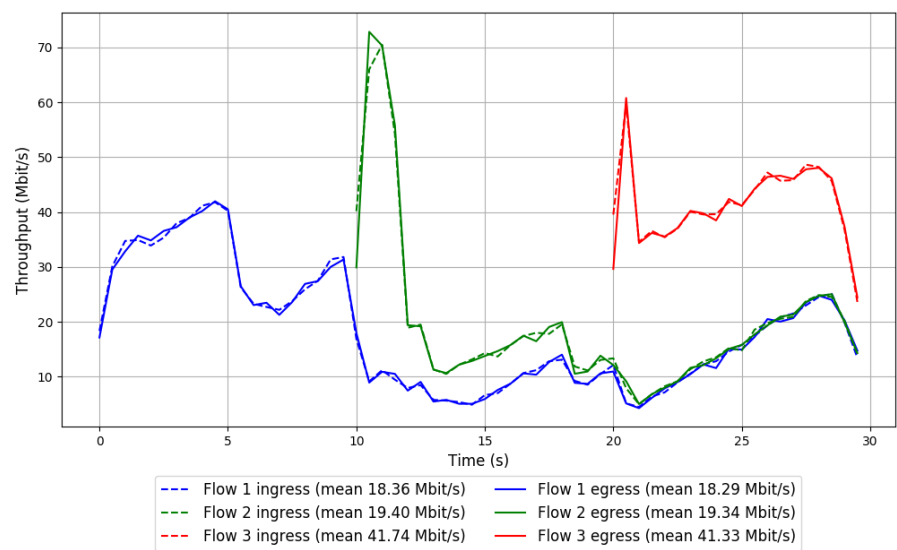
-- Flow 3:

Average throughput: 41.33 Mbit/s

95th percentile per-packet one-way delay: 30.818 ms

Loss rate: 0.99%

Run 9: Report of TCP Vegas — Data Link

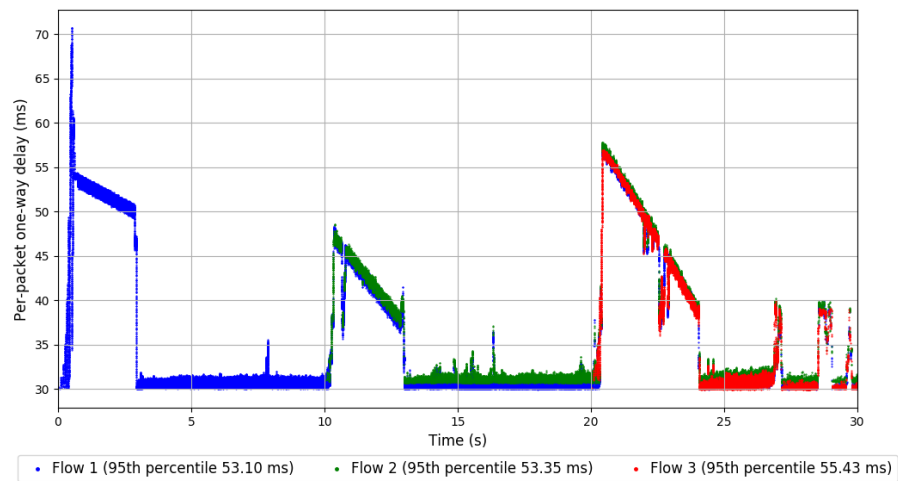
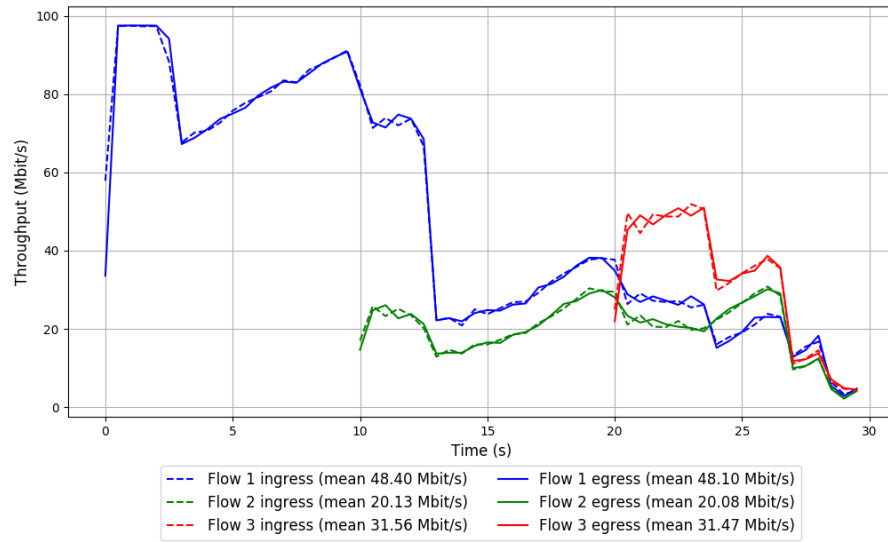


Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 21:44:04
End at: 2018-02-13 21:44:34
Local clock offset: -5.305 ms
Remote clock offset: 18.291 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.88 Mbit/s
95th percentile per-packet one-way delay: 53.542 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 53.100 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 53.346 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 55.433 ms
Loss rate: 0.29%

Run 10: Report of TCP Vegas — Data Link

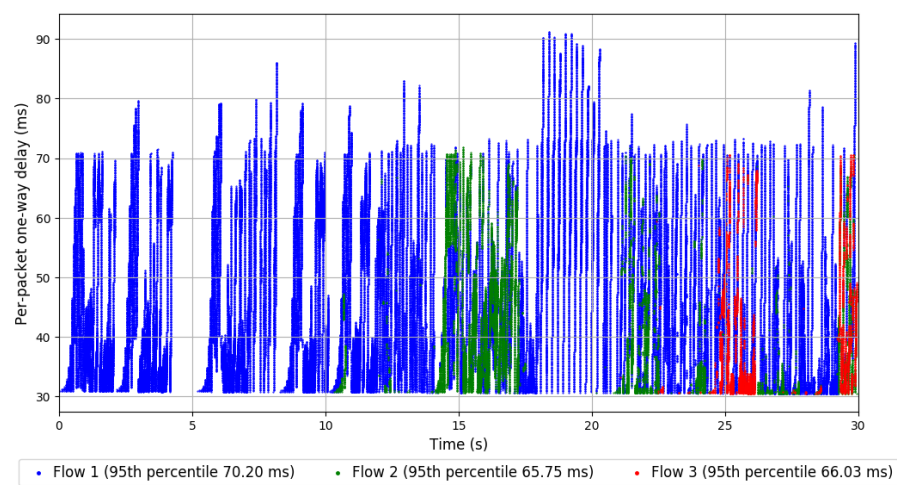
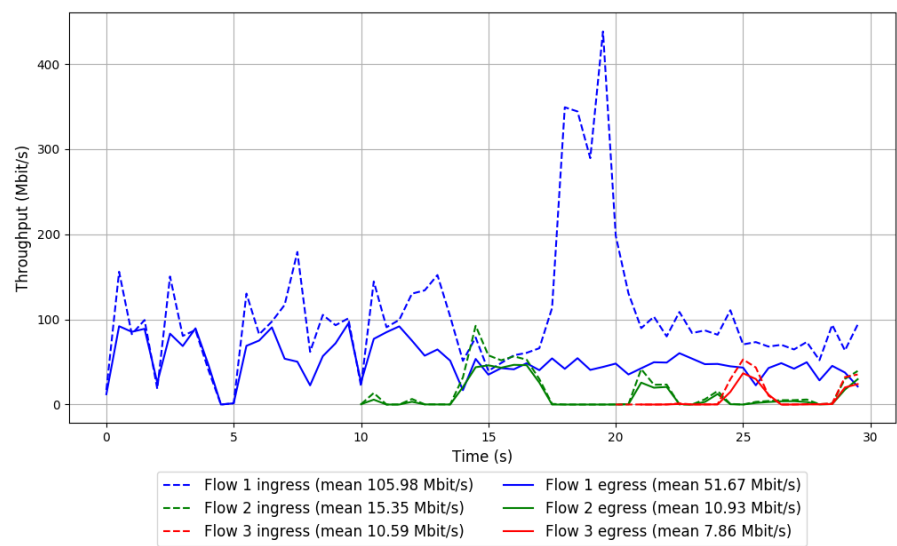


Run 1: Statistics of Verus

Start at: 2018-02-13 17:47:30
End at: 2018-02-13 17:48:00
Local clock offset: 1.241 ms
Remote clock offset: 12.683 ms

Below is generated by plot.py at 2018-02-13 22:36:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.05 Mbit/s
95th percentile per-packet one-way delay: 69.526 ms
Loss rate: 48.75%
-- Flow 1:
Average throughput: 51.67 Mbit/s
95th percentile per-packet one-way delay: 70.199 ms
Loss rate: 51.16%
-- Flow 2:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 65.748 ms
Loss rate: 28.80%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 66.026 ms
Loss rate: 33.20%

Run 1: Report of Verus — Data Link

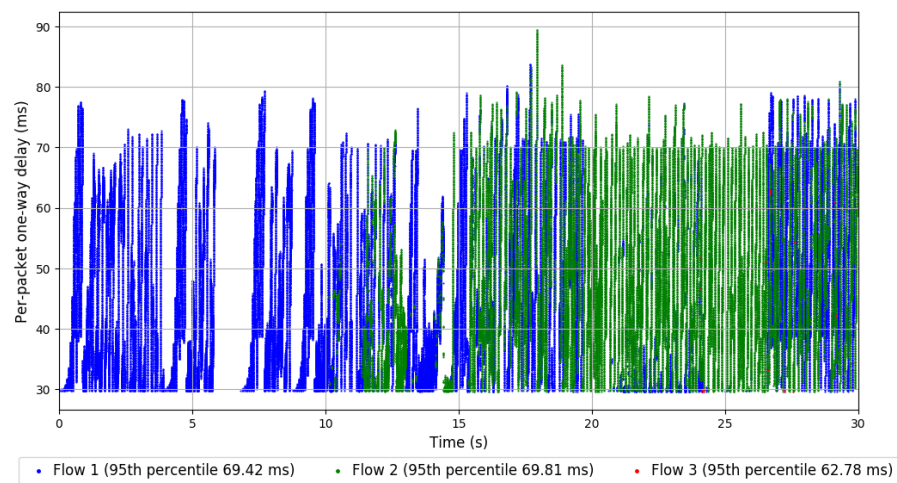
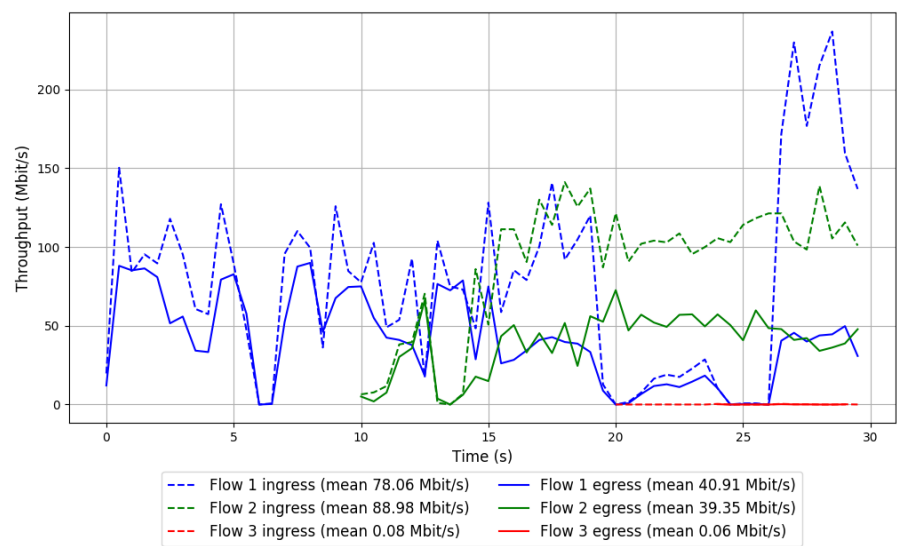


Run 2: Statistics of Verus

Start at: 2018-02-13 18:13:39
End at: 2018-02-13 18:14:09
Local clock offset: -3.183 ms
Remote clock offset: 21.276 ms

Below is generated by plot.py at 2018-02-13 22:37:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 69.592 ms
Loss rate: 51.08%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 69.425 ms
Loss rate: 47.53%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 69.814 ms
Loss rate: 55.75%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 62.776 ms
Loss rate: 60.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-02-13 18:39:32

End at: 2018-02-13 18:40:02

Local clock offset: 0.586 ms

Remote clock offset: 6.396 ms

Below is generated by plot.py at 2018-02-13 22:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 74.989 ms

Loss rate: 74.39%

-- Flow 1:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 69.157 ms

Loss rate: 30.43%

-- Flow 2:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 78.703 ms

Loss rate: 84.49%

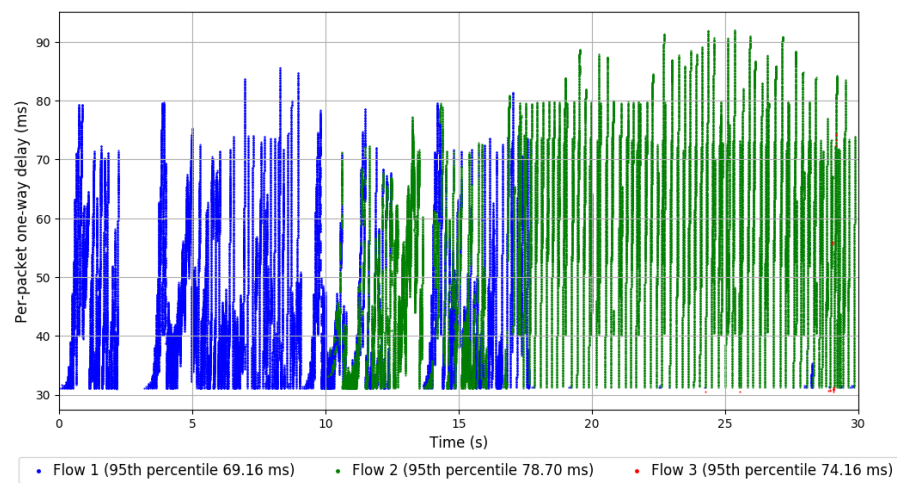
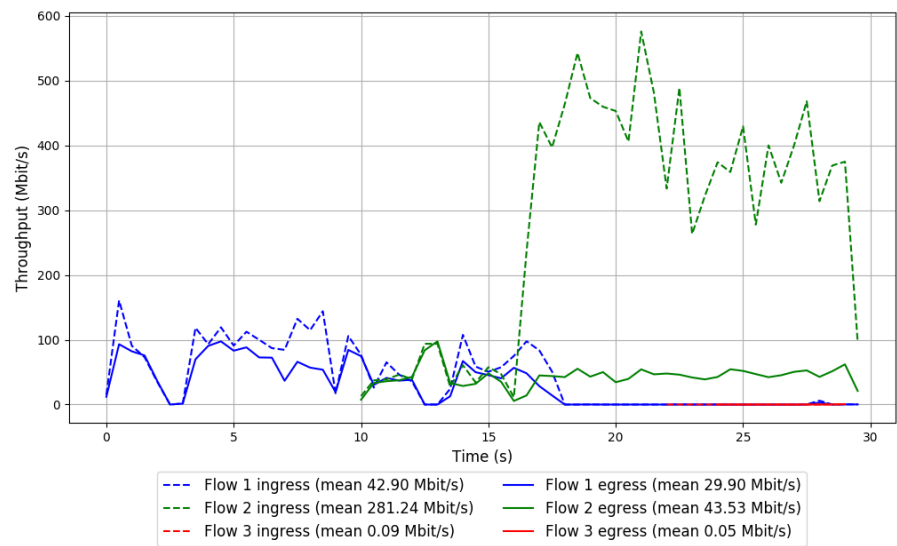
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 74.155 ms

Loss rate: 58.82%

Run 3: Report of Verus — Data Link

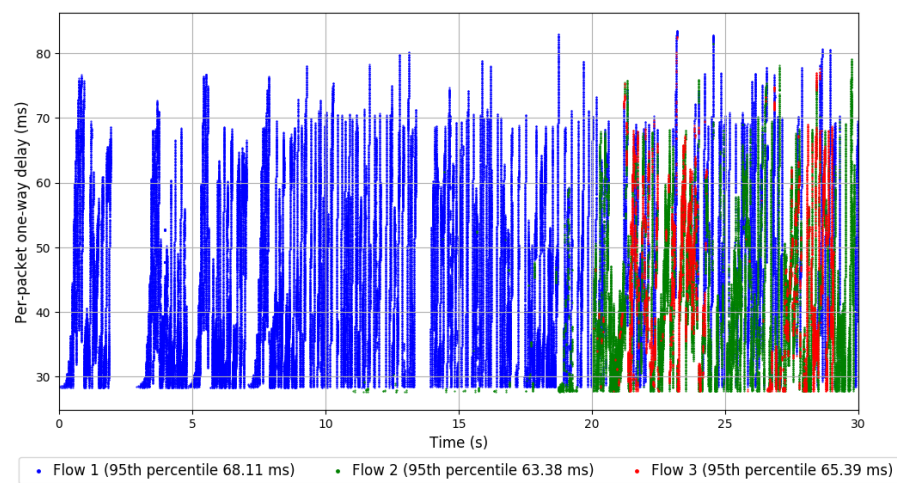
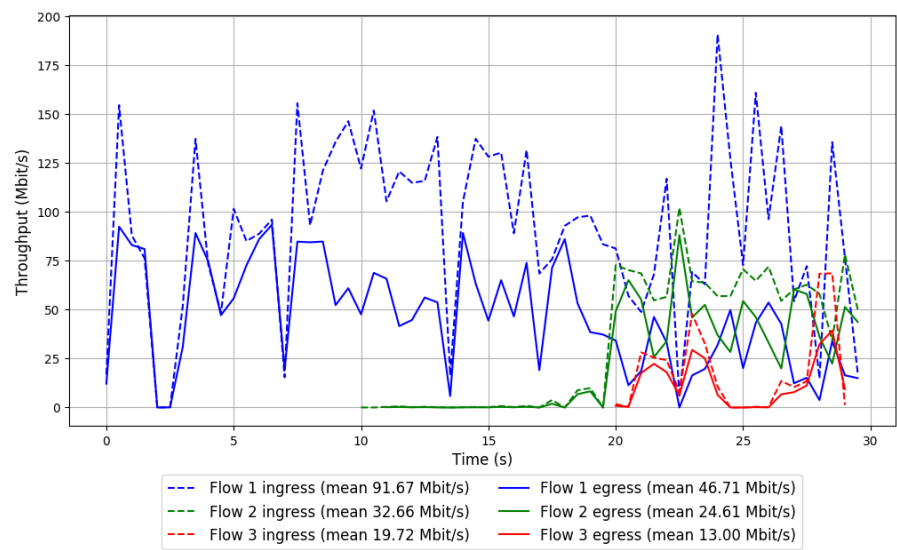


Run 4: Statistics of Verus

Start at: 2018-02-13 19:04:40
End at: 2018-02-13 19:05:10
Local clock offset: 1.774 ms
Remote clock offset: -4.106 ms

Below is generated by plot.py at 2018-02-13 22:37:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 67.254 ms
Loss rate: 44.56%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 68.105 ms
Loss rate: 48.98%
-- Flow 2:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 28.76%
-- Flow 3:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 65.386 ms
Loss rate: 34.19%

Run 4: Report of Verus — Data Link

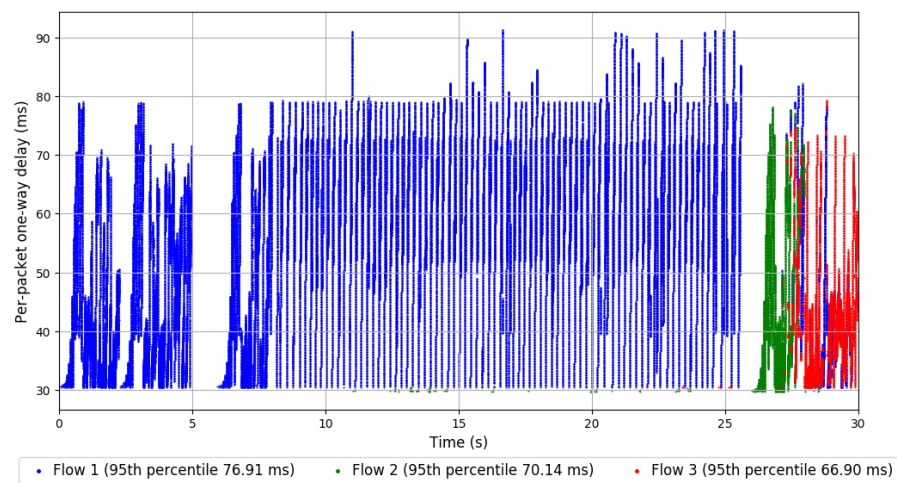
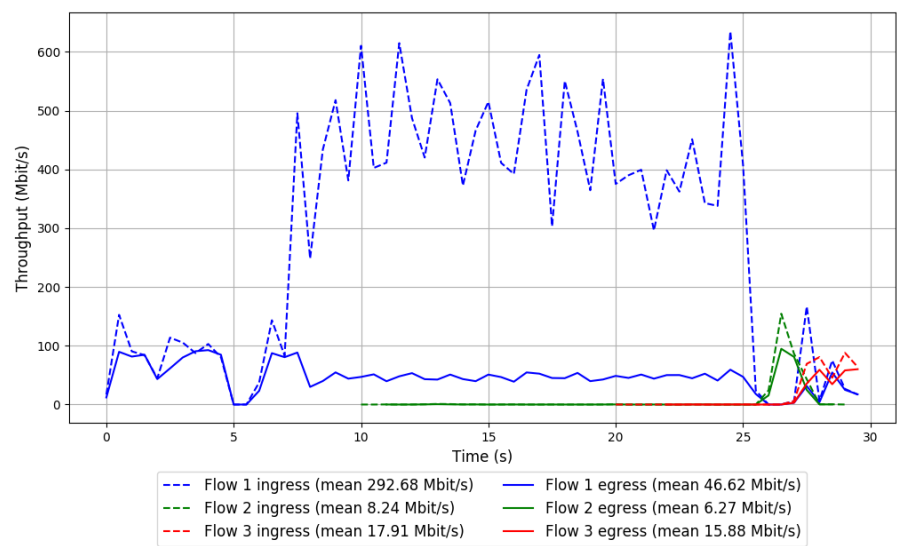


Run 5: Statistics of Verus

Start at: 2018-02-13 19:30:08
End at: 2018-02-13 19:30:38
Local clock offset: 1.912 ms
Remote clock offset: -7.624 ms

Below is generated by plot.py at 2018-02-13 22:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 76.204 ms
Loss rate: 82.06%
-- Flow 1:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 76.912 ms
Loss rate: 84.06%
-- Flow 2:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 70.136 ms
Loss rate: 30.32%
-- Flow 3:
Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 29.11%

Run 5: Report of Verus — Data Link

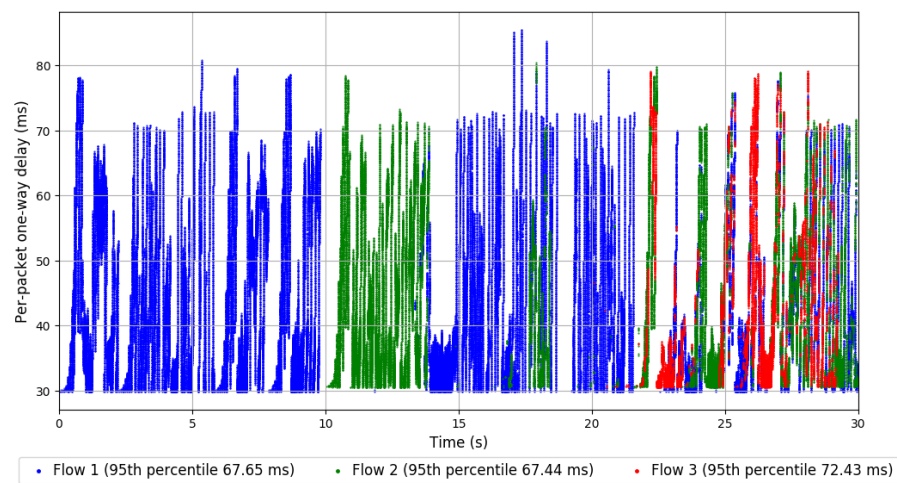
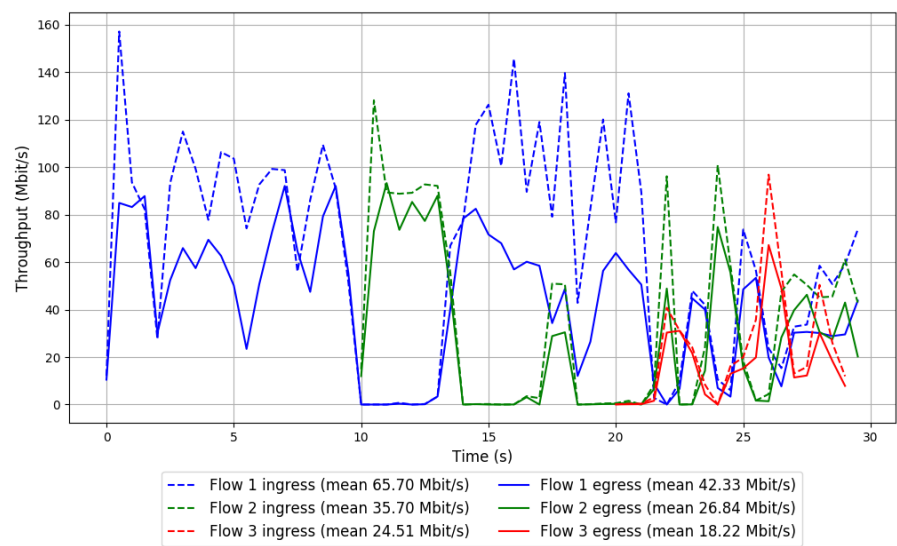


Run 6: Statistics of Verus

Start at: 2018-02-13 19:55:42
End at: 2018-02-13 19:56:12
Local clock offset: 1.35 ms
Remote clock offset: -9.633 ms

Below is generated by plot.py at 2018-02-13 22:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.76 Mbit/s
95th percentile per-packet one-way delay: 68.020 ms
Loss rate: 32.20%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 67.651 ms
Loss rate: 35.57%
-- Flow 2:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 67.439 ms
Loss rate: 24.84%
-- Flow 3:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 72.434 ms
Loss rate: 25.99%

Run 6: Report of Verus — Data Link

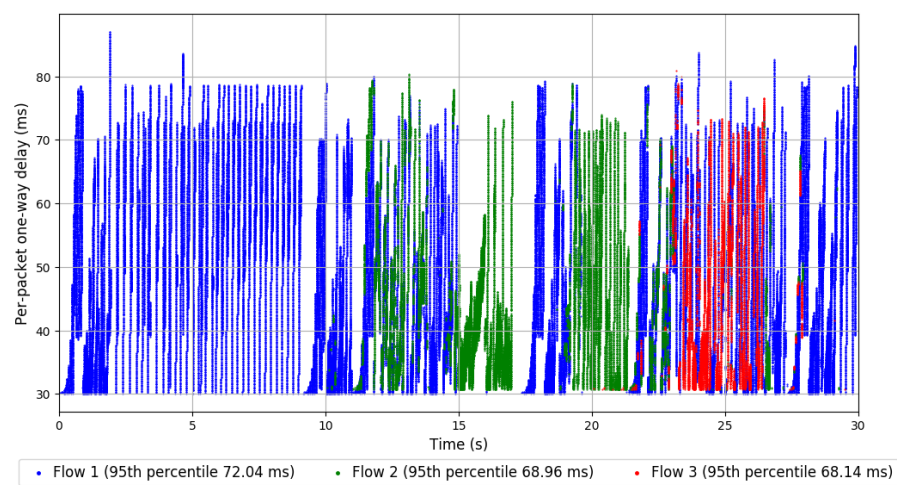
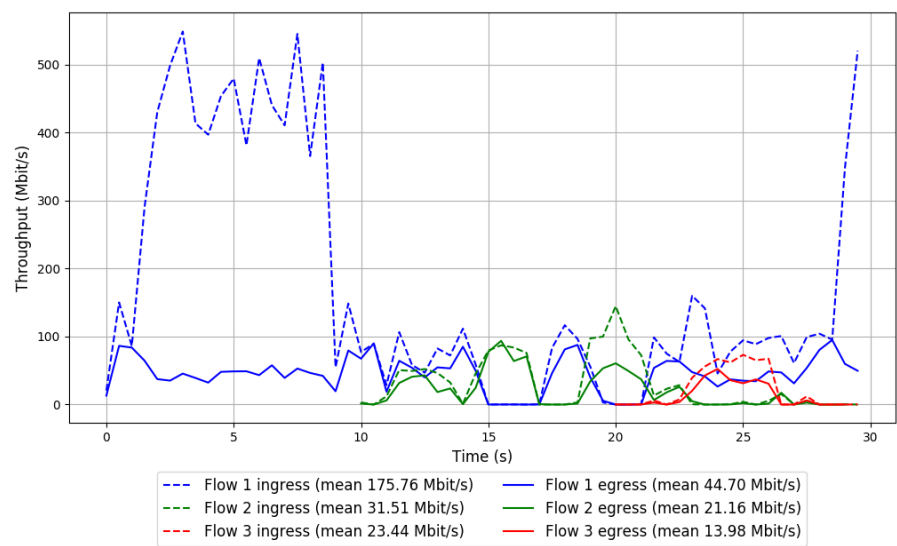


Run 7: Statistics of Verus

Start at: 2018-02-13 20:21:37
End at: 2018-02-13 20:22:07
Local clock offset: 0.038 ms
Remote clock offset: -7.061 ms

Below is generated by plot.py at 2018-02-13 22:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 71.280 ms
Loss rate: 69.22%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 72.044 ms
Loss rate: 74.53%
-- Flow 2:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 68.961 ms
Loss rate: 33.95%
-- Flow 3:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 68.141 ms
Loss rate: 42.34%

Run 7: Report of Verus — Data Link

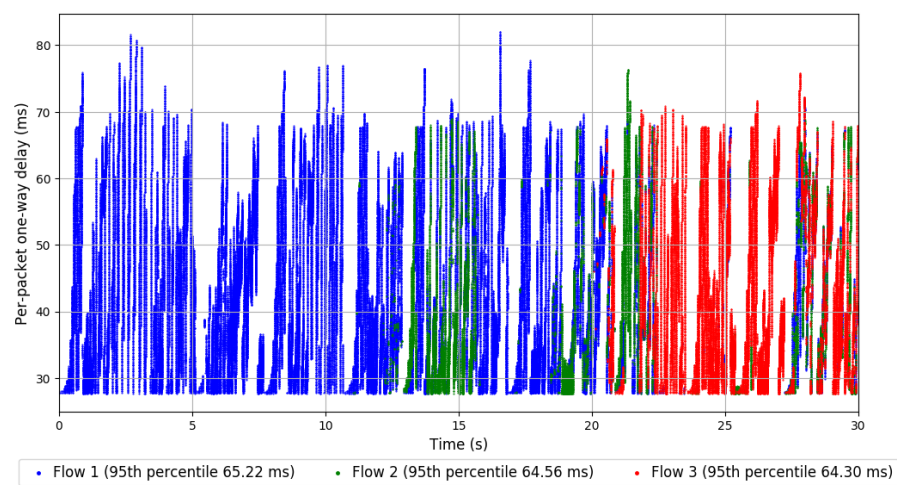
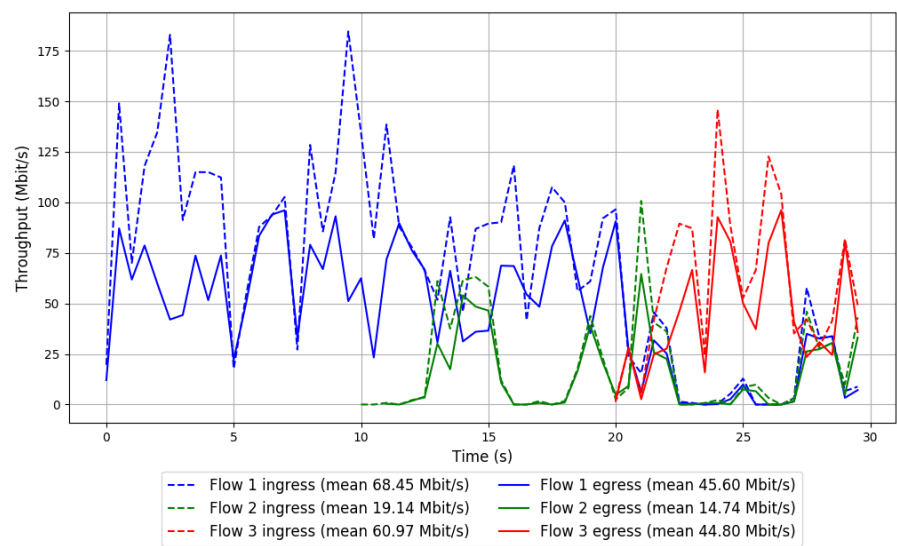


Run 8: Statistics of Verus

Start at: 2018-02-13 20:46:55
End at: 2018-02-13 20:47:25
Local clock offset: -0.489 ms
Remote clock offset: -7.022 ms

Below is generated by plot.py at 2018-02-13 22:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 64.914 ms
Loss rate: 31.16%
-- Flow 1:
Average throughput: 45.60 Mbit/s
95th percentile per-packet one-way delay: 65.220 ms
Loss rate: 33.35%
-- Flow 2:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 64.555 ms
Loss rate: 26.71%
-- Flow 3:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 64.300 ms
Loss rate: 26.52%

Run 8: Report of Verus — Data Link

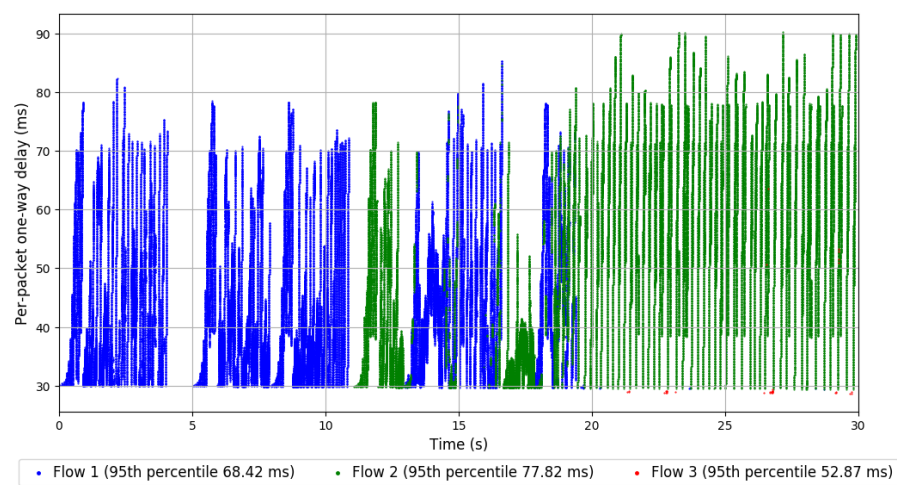
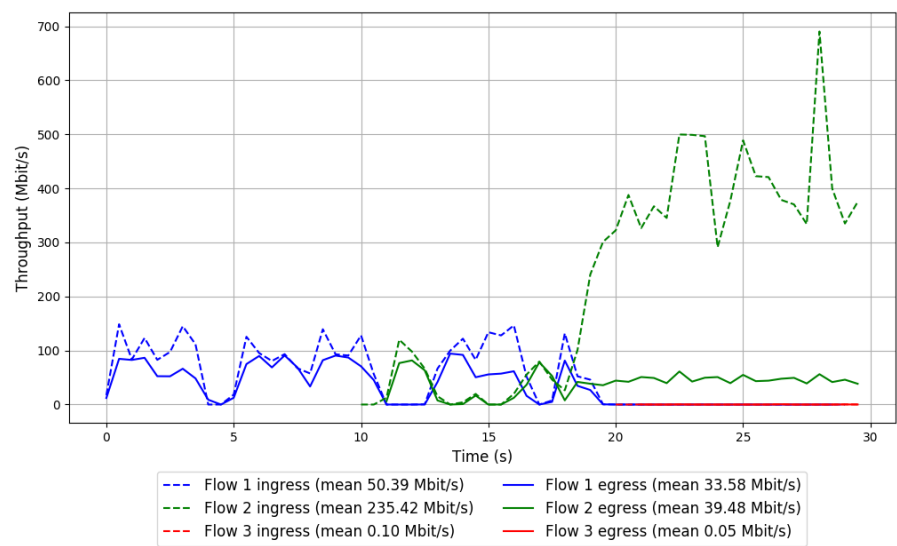


Run 9: Statistics of Verus

Start at: 2018-02-13 21:12:23
End at: 2018-02-13 21:12:53
Local clock offset: -0.211 ms
Remote clock offset: 1.706 ms

Below is generated by plot.py at 2018-02-13 22:38:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 74.033 ms
Loss rate: 72.15%
-- Flow 1:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 68.419 ms
Loss rate: 34.12%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 77.818 ms
Loss rate: 84.06%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 52.868 ms
Loss rate: 54.76%

Run 9: Report of Verus — Data Link

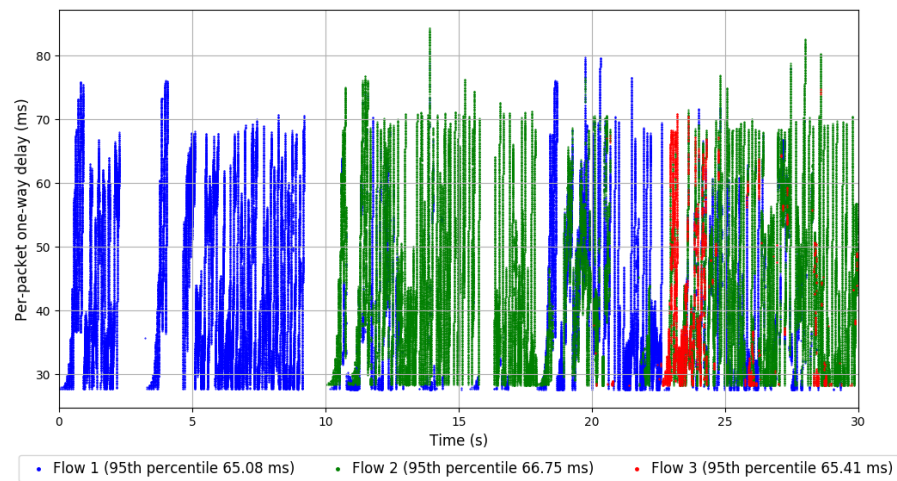
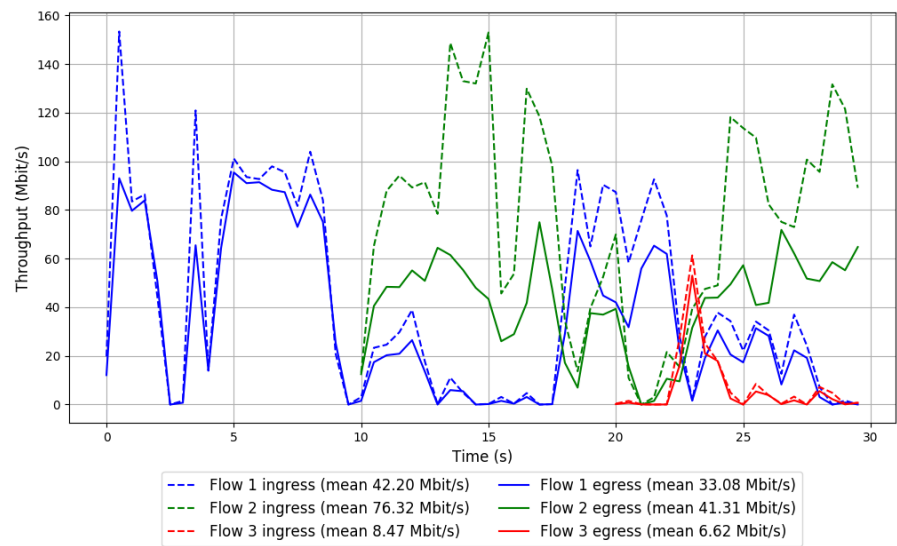


Run 10: Statistics of Verus

Start at: 2018-02-13 21:38:15
End at: 2018-02-13 21:38:45
Local clock offset: -4.863 ms
Remote clock offset: 14.655 ms

Below is generated by plot.py at 2018-02-13 22:38:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 65.868 ms
Loss rate: 34.44%
-- Flow 1:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 65.076 ms
Loss rate: 21.56%
-- Flow 2:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 66.752 ms
Loss rate: 45.83%
-- Flow 3:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 65.411 ms
Loss rate: 21.77%

Run 10: Report of Verus — Data Link

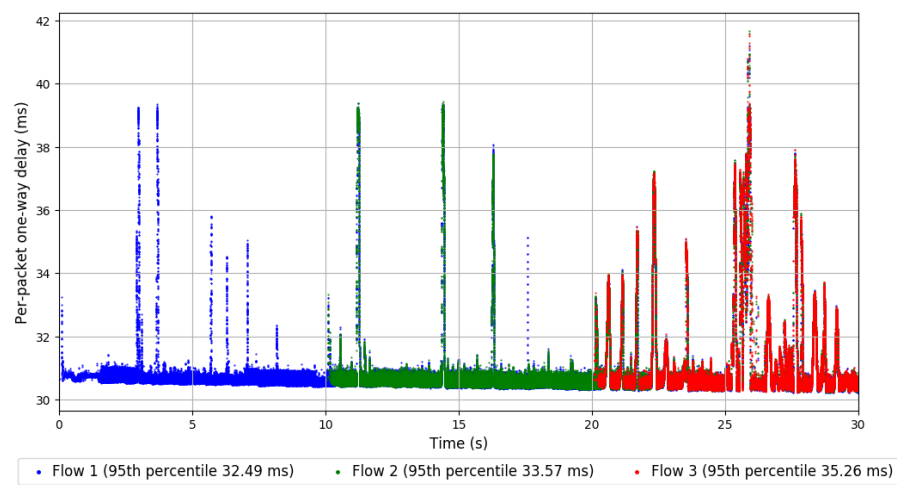
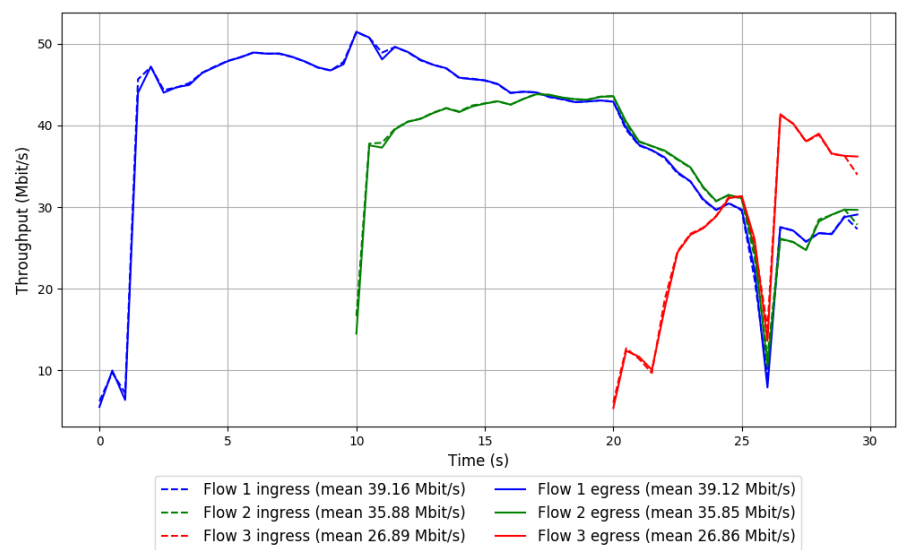


Run 1: Statistics of Copa

Start at: 2018-02-13 17:54:35
End at: 2018-02-13 17:55:05
Local clock offset: -0.466 ms
Remote clock offset: 16.917 ms

Below is generated by plot.py at 2018-02-13 22:39:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 33.347 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 32.487 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 33.566 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 35.260 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link

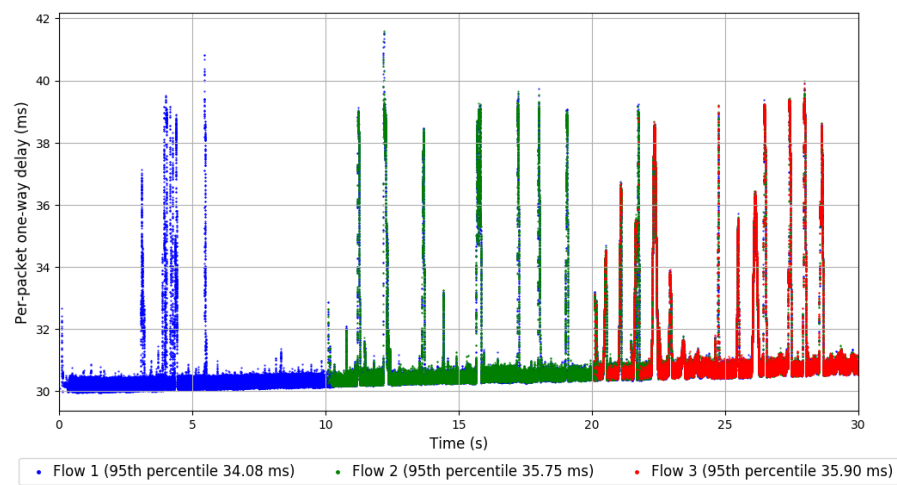
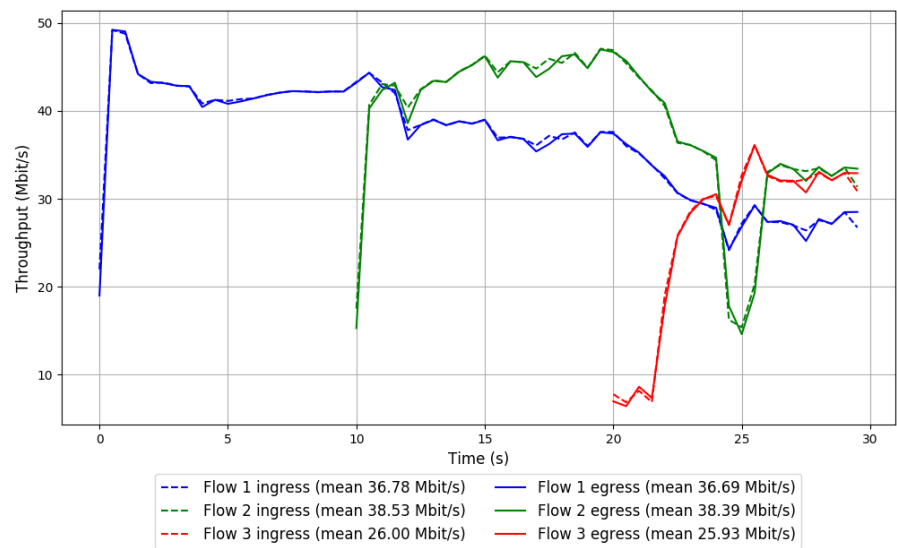


Run 2: Statistics of Copa

Start at: 2018-02-13 18:21:05
End at: 2018-02-13 18:21:35
Local clock offset: -3.641 ms
Remote clock offset: 17.355 ms

Below is generated by plot.py at 2018-02-13 22:39:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 35.195 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 34.077 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 35.751 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 35.899 ms
Loss rate: 0.24%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-13 18:46:34

End at: 2018-02-13 18:47:04

Local clock offset: 1.403 ms

Remote clock offset: 4.066 ms

Below is generated by plot.py at 2018-02-13 22:40:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 31.501 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 42.77 Mbit/s

95th percentile per-packet one-way delay: 31.654 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 31.089 ms

Loss rate: 0.00%

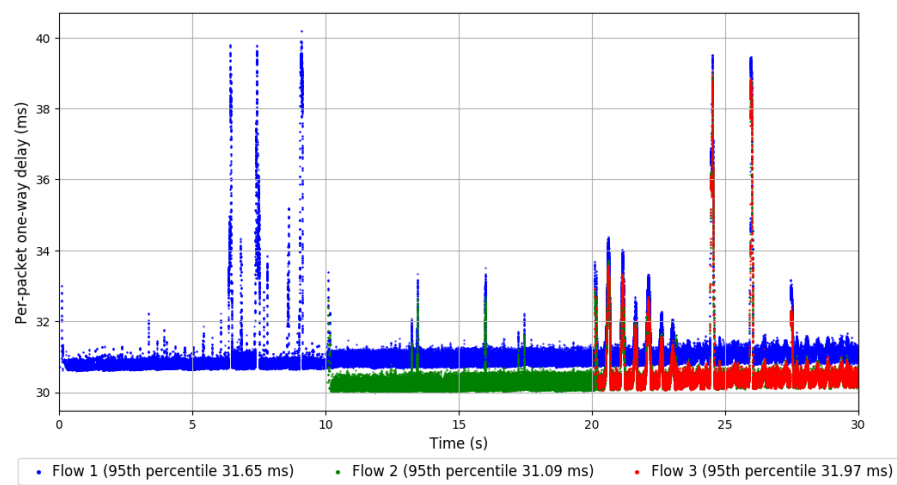
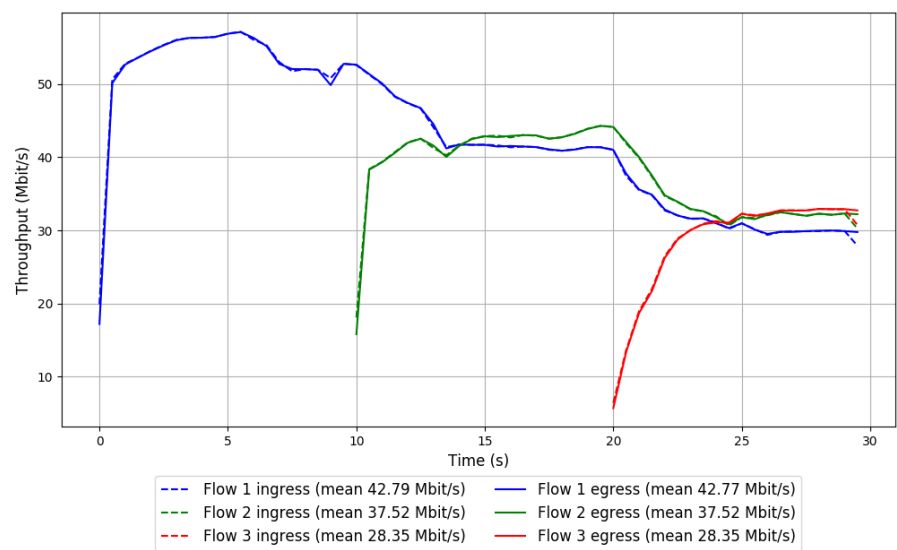
-- Flow 3:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 31.974 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

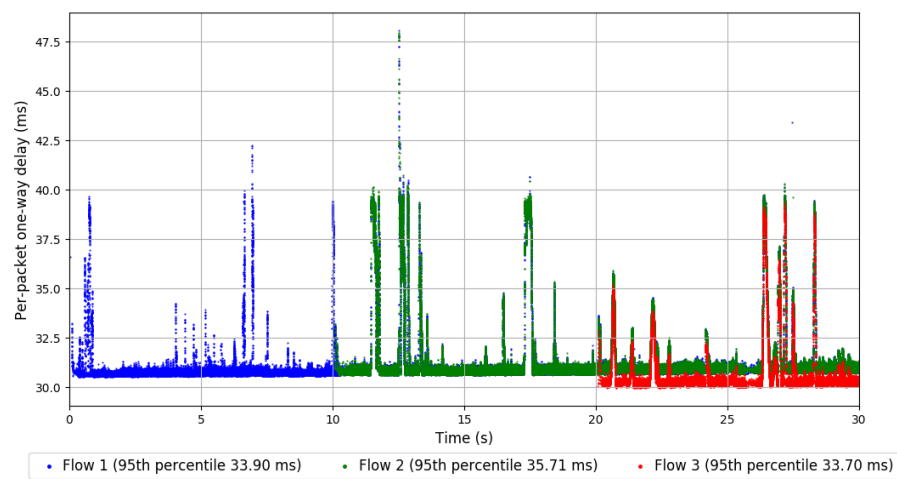
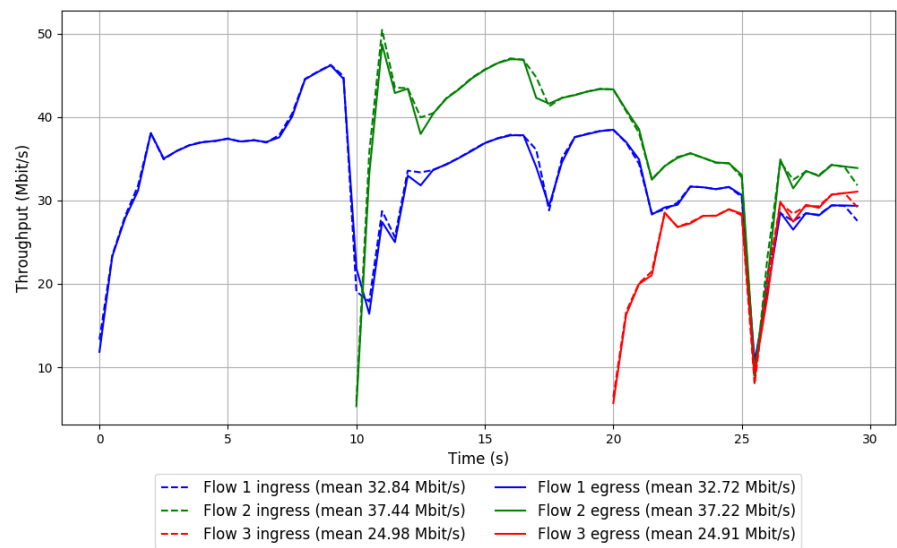


Run 4: Statistics of Copa

Start at: 2018-02-13 19:11:33
End at: 2018-02-13 19:12:03
Local clock offset: 1.641 ms
Remote clock offset: -4.104 ms

```
# Below is generated by plot.py at 2018-02-13 22:40:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 34.482 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 33.903 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 35.708 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 0.28%
```

Run 4: Report of Copa — Data Link

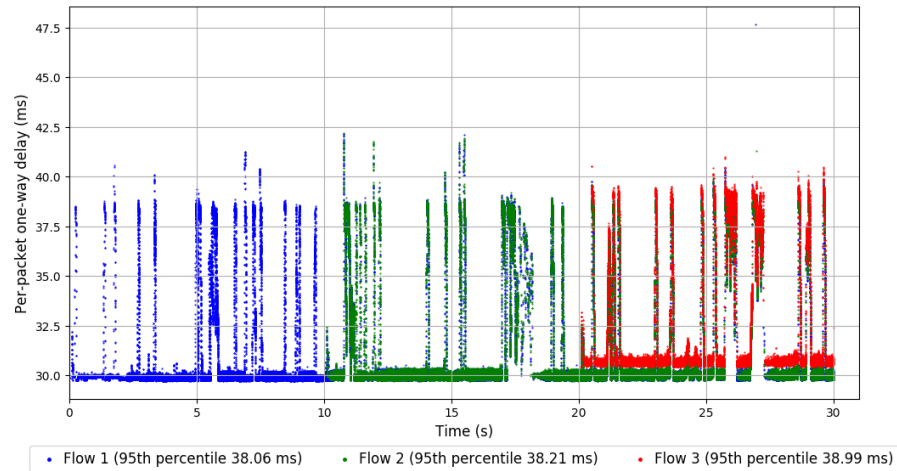
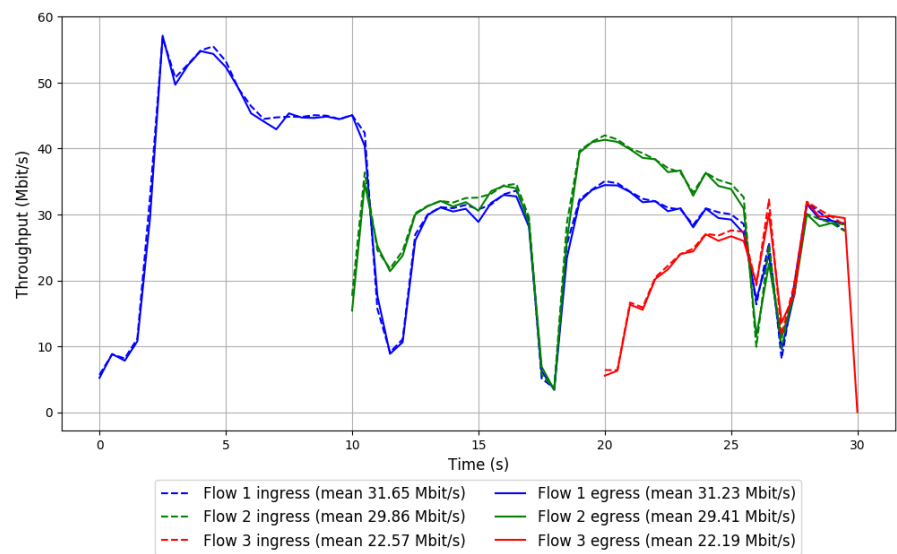


Run 5: Statistics of Copa

Start at: 2018-02-13 19:37:21
End at: 2018-02-13 19:37:51
Local clock offset: 1.639 ms
Remote clock offset: -7.716 ms

Below is generated by plot.py at 2018-02-13 22:40:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 38.221 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 38.059 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 38.212 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 38.995 ms
Loss rate: 1.66%

Run 5: Report of Copa — Data Link

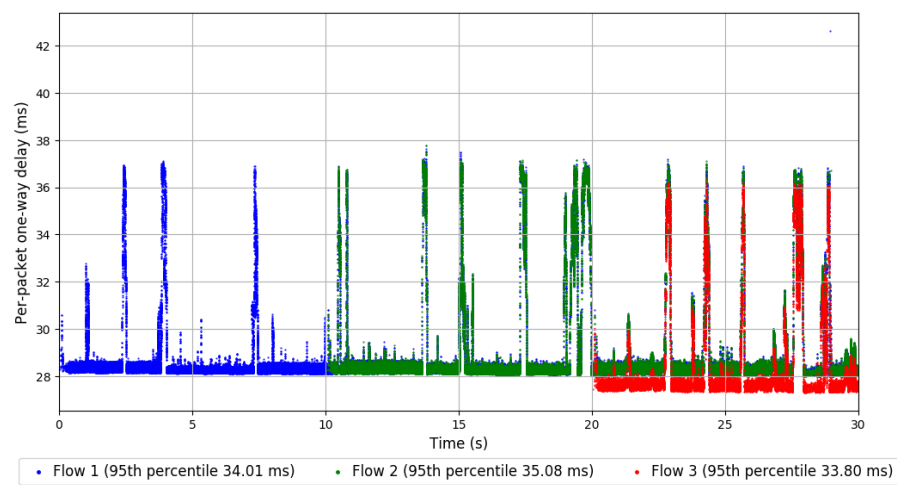
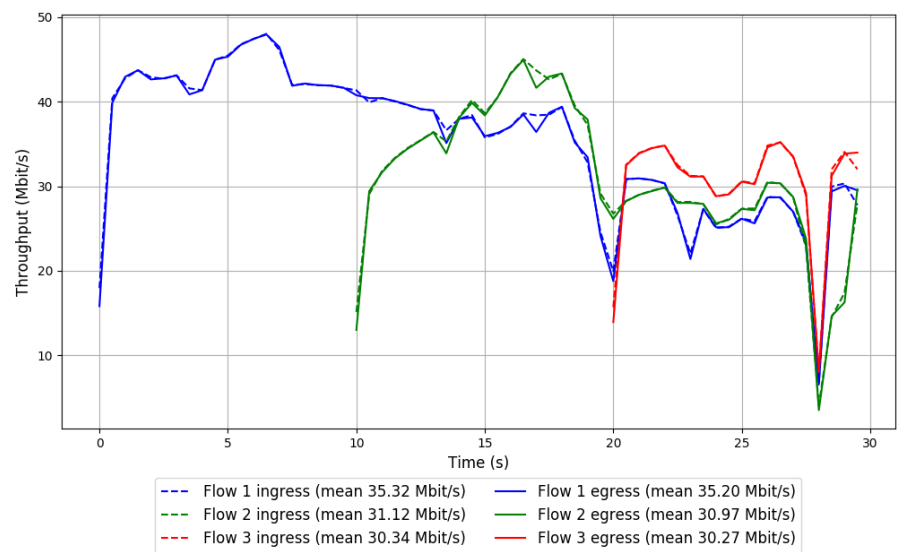


Run 6: Statistics of Copa

Start at: 2018-02-13 20:03:02
End at: 2018-02-13 20:03:32
Local clock offset: 1.233 ms
Remote clock offset: -11.259 ms

Below is generated by plot.py at 2018-02-13 22:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 34.389 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 34.013 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 35.077 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 33.805 ms
Loss rate: 0.22%

Run 6: Report of Copa — Data Link

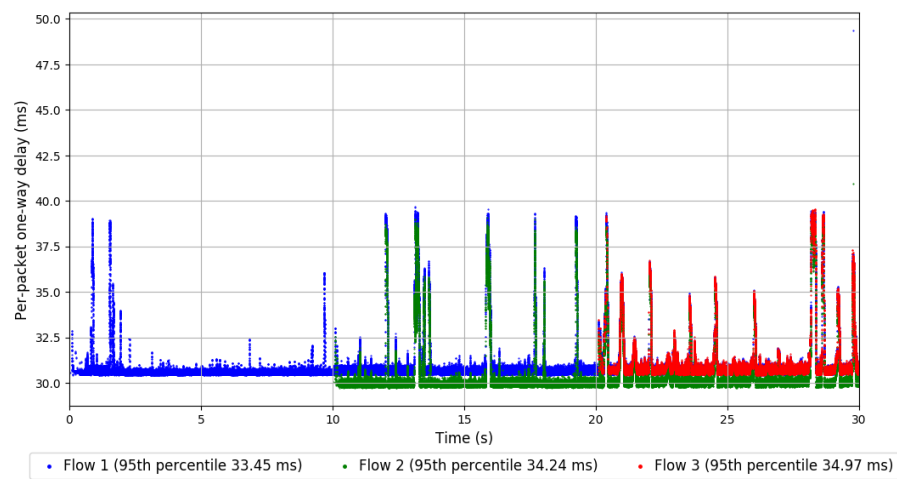
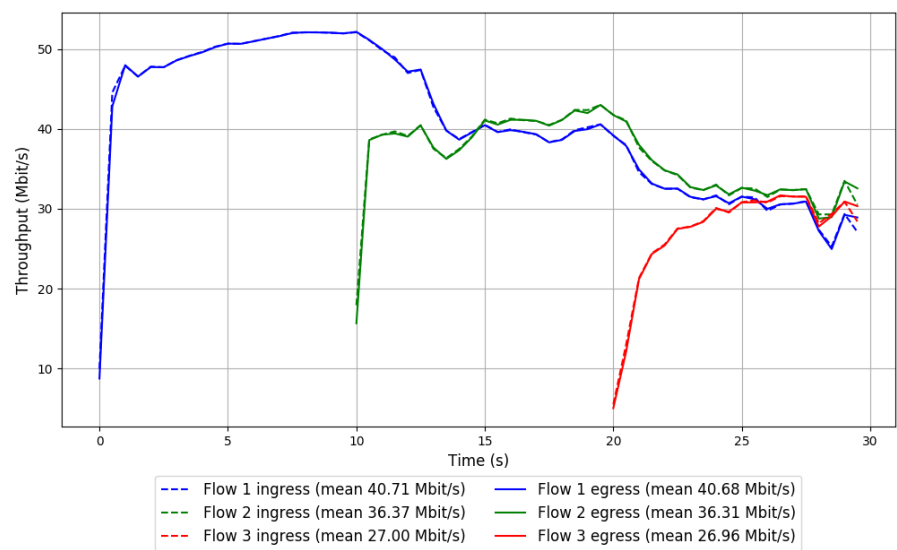


Run 7: Statistics of Copa

Start at: 2018-02-13 20:28:36
End at: 2018-02-13 20:29:06
Local clock offset: -0.411 ms
Remote clock offset: -7.776 ms

Below is generated by plot.py at 2018-02-13 22:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 34.118 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 33.449 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 34.243 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 34.969 ms
Loss rate: 0.14%

Run 7: Report of Copa — Data Link

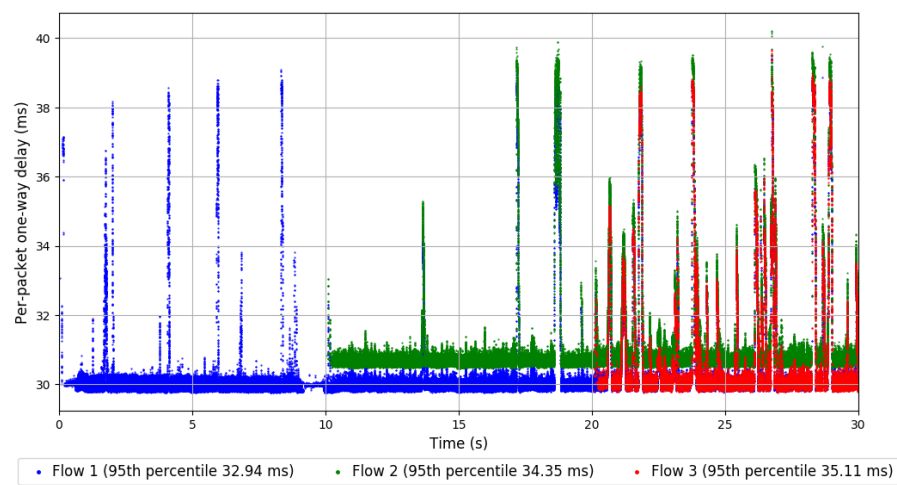
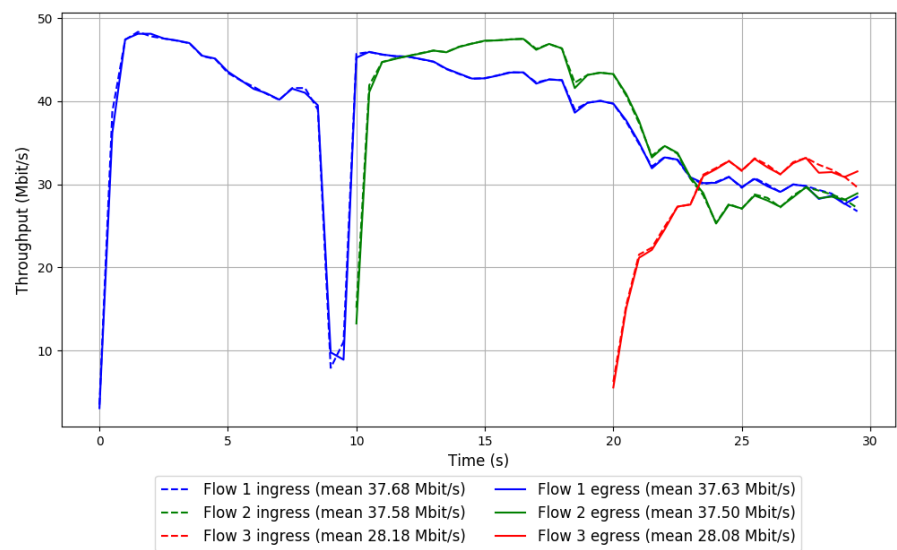


Run 8: Statistics of Copa

Start at: 2018-02-13 20:53:59
End at: 2018-02-13 20:54:29
Local clock offset: -0.251 ms
Remote clock offset: -4.567 ms

```
# Below is generated by plot.py at 2018-02-13 22:40:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 33.853 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 32.943 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 34.346 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 35.106 ms
Loss rate: 0.37%
```

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-13 21:19:30

End at: 2018-02-13 21:20:00

Local clock offset: -1.789 ms

Remote clock offset: 7.273 ms

Below is generated by plot.py at 2018-02-13 22:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.93 Mbit/s

95th percentile per-packet one-way delay: 30.619 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 36.38 Mbit/s

95th percentile per-packet one-way delay: 29.669 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 29.99 Mbit/s

95th percentile per-packet one-way delay: 31.482 ms

Loss rate: 0.37%

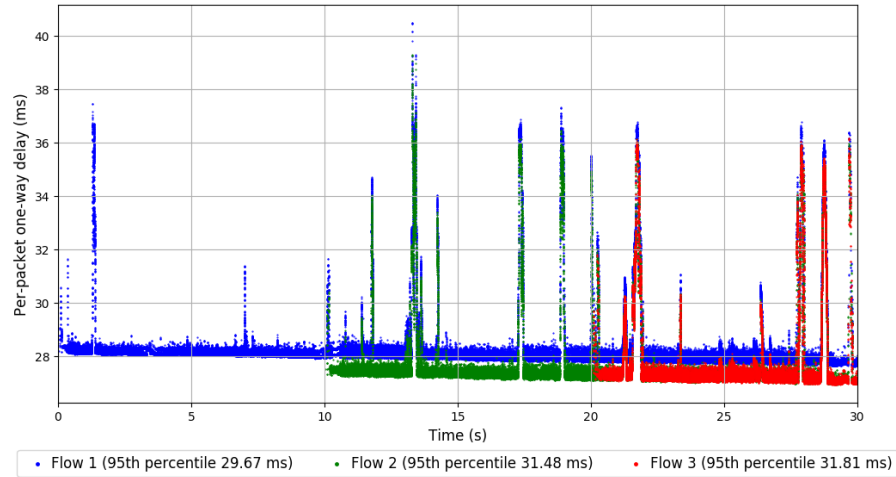
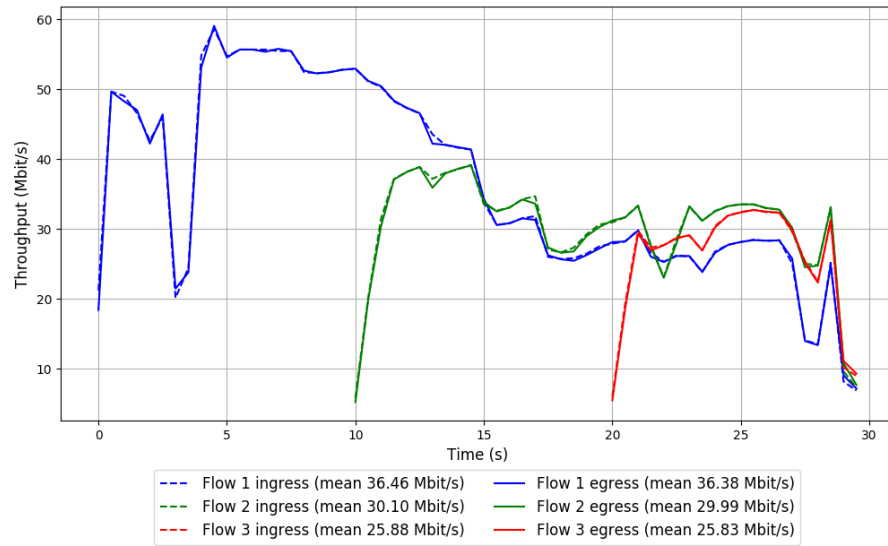
-- Flow 3:

Average throughput: 25.83 Mbit/s

95th percentile per-packet one-way delay: 31.810 ms

Loss rate: 0.20%

Run 9: Report of Copa — Data Link

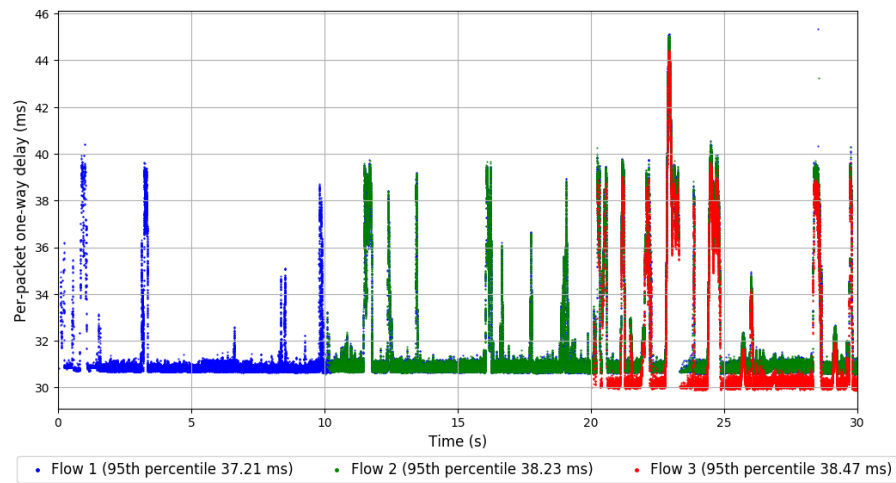
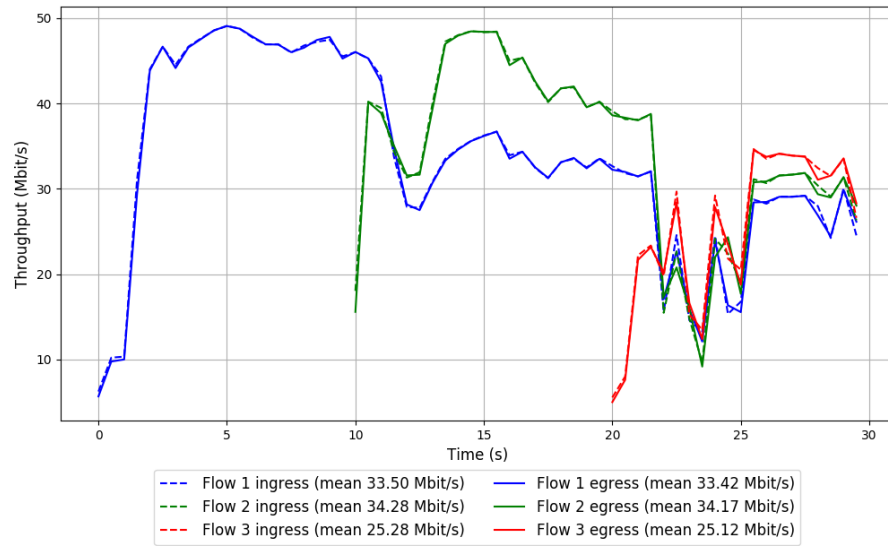


Run 10: Statistics of Copa

Start at: 2018-02-13 21:45:30
End at: 2018-02-13 21:46:00
Local clock offset: -5.391 ms
Remote clock offset: 18.533 ms

```
# Below is generated by plot.py at 2018-02-13 22:41:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 37.945 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 37.208 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 38.232 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 38.473 ms
Loss rate: 0.63%
```


Run 10: Report of Copa — Data Link

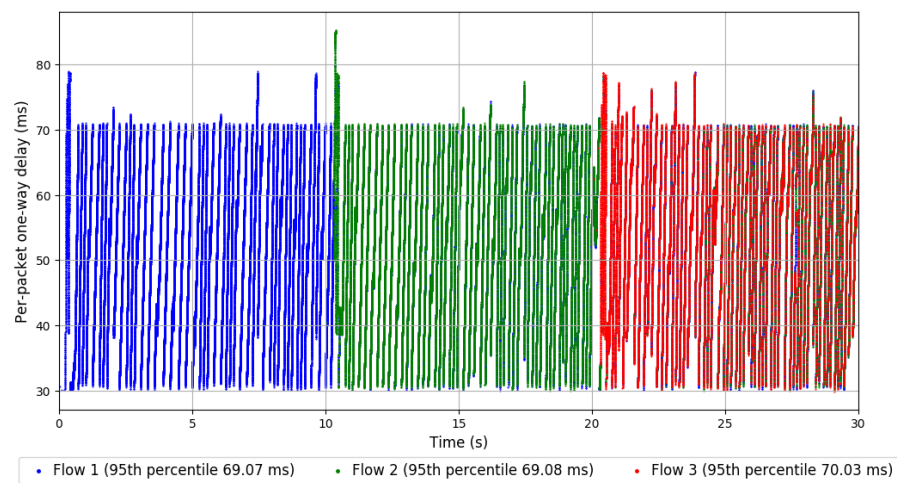
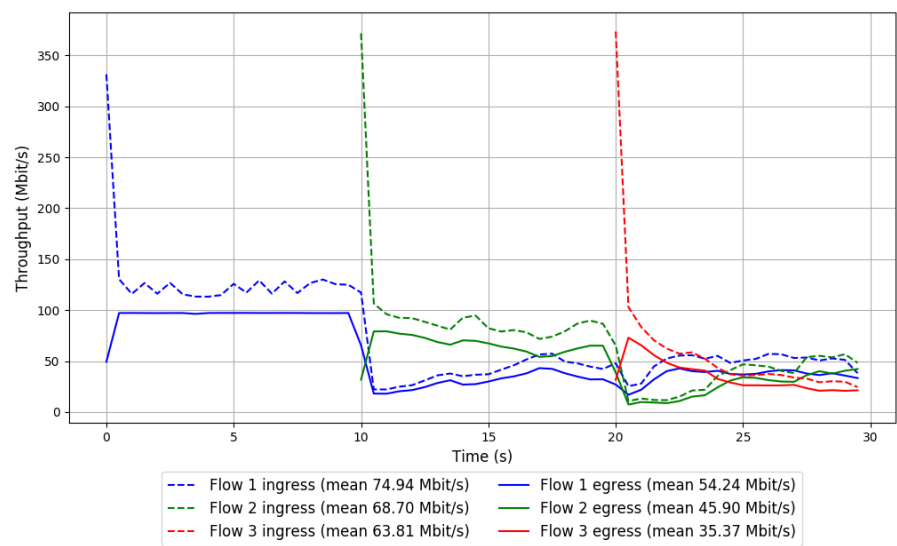


Run 1: Statistics of FillP

Start at: 2018-02-13 17:57:27
End at: 2018-02-13 17:57:57
Local clock offset: -1.184 ms
Remote clock offset: 17.609 ms

Below is generated by plot.py at 2018-02-13 22:41:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 69.206 ms
Loss rate: 31.91%
-- Flow 1:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 69.071 ms
Loss rate: 27.57%
-- Flow 2:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 69.077 ms
Loss rate: 33.14%
-- Flow 3:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 70.035 ms
Loss rate: 44.63%

Run 1: Report of FillP — Data Link

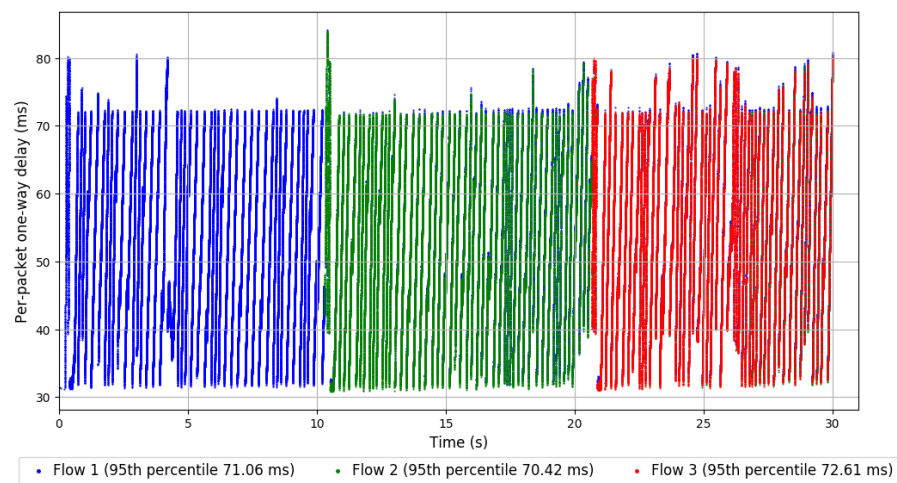
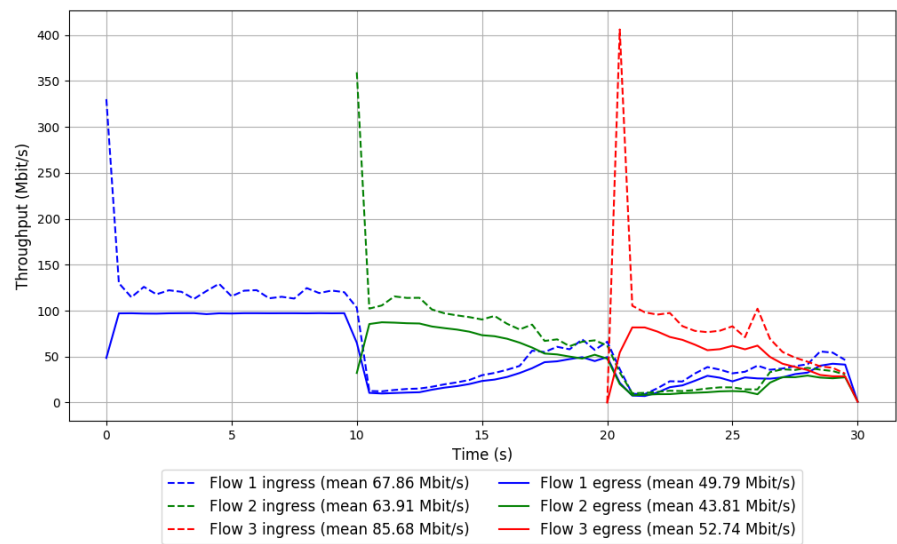


Run 2: Statistics of FillP

Start at: 2018-02-13 18:23:59
End at: 2018-02-13 18:24:29
Local clock offset: -3.782 ms
Remote clock offset: 14.856 ms

Below is generated by plot.py at 2018-02-13 22:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 71.088 ms
Loss rate: 30.45%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 71.060 ms
Loss rate: 26.54%
-- Flow 2:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 70.421 ms
Loss rate: 31.38%
-- Flow 3:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 72.607 ms
Loss rate: 38.37%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-13 18:49:20

End at: 2018-02-13 18:49:50

Local clock offset: 1.503 ms

Remote clock offset: 1.181 ms

Below is generated by plot.py at 2018-02-13 22:41:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 67.266 ms

Loss rate: 31.49%

-- Flow 1:

Average throughput: 46.72 Mbit/s

95th percentile per-packet one-way delay: 66.845 ms

Loss rate: 28.59%

-- Flow 2:

Average throughput: 45.44 Mbit/s

95th percentile per-packet one-way delay: 67.656 ms

Loss rate: 32.52%

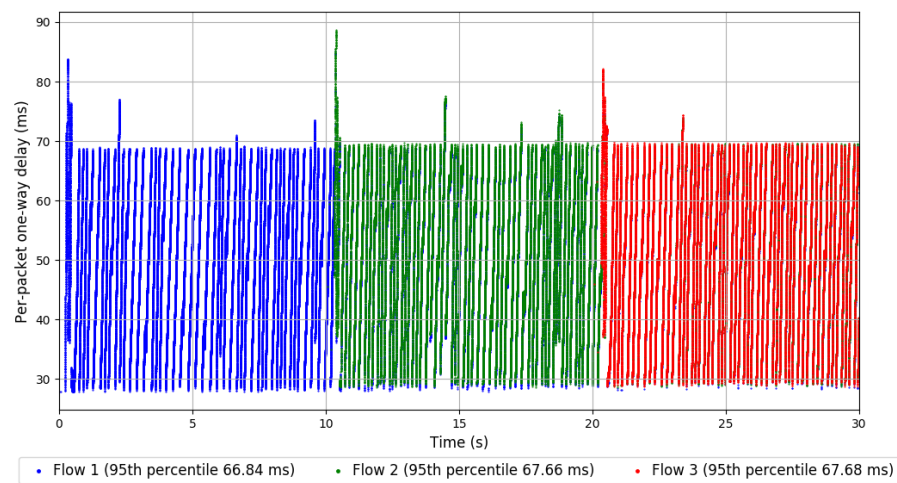
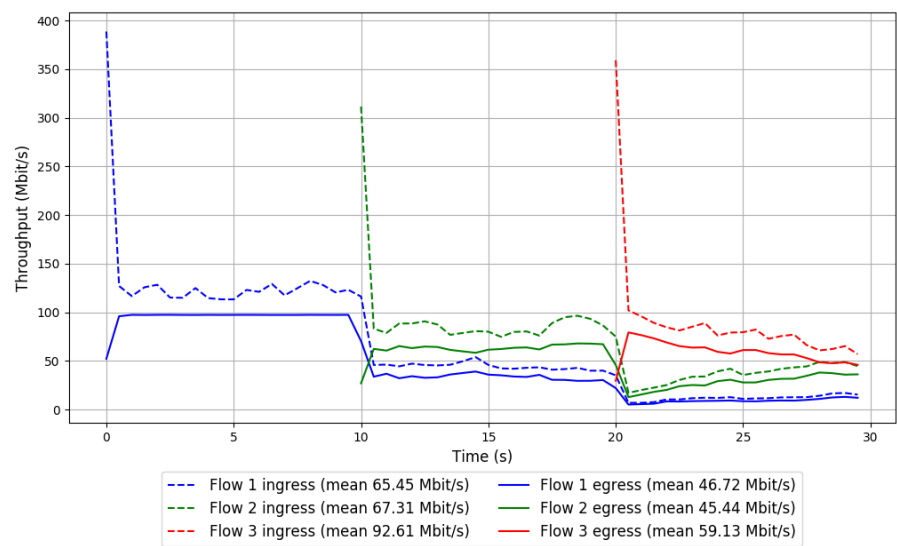
-- Flow 3:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 67.683 ms

Loss rate: 36.19%

Run 3: Report of FillP — Data Link

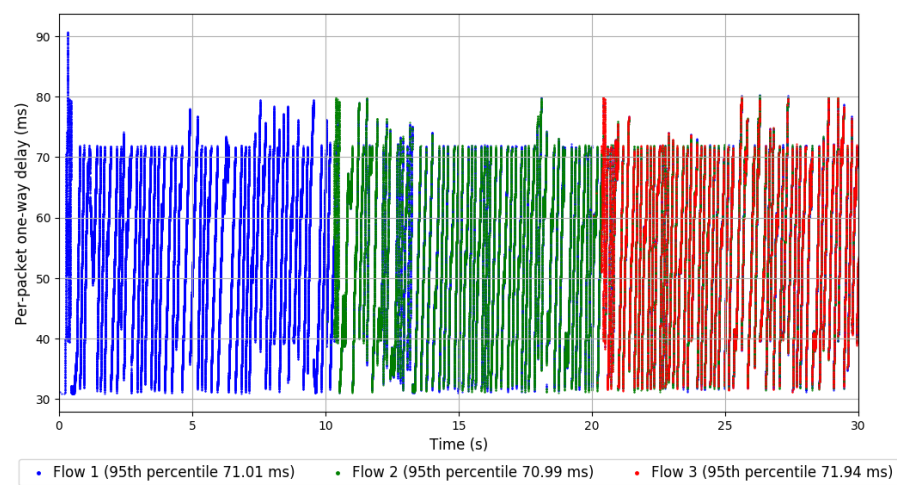
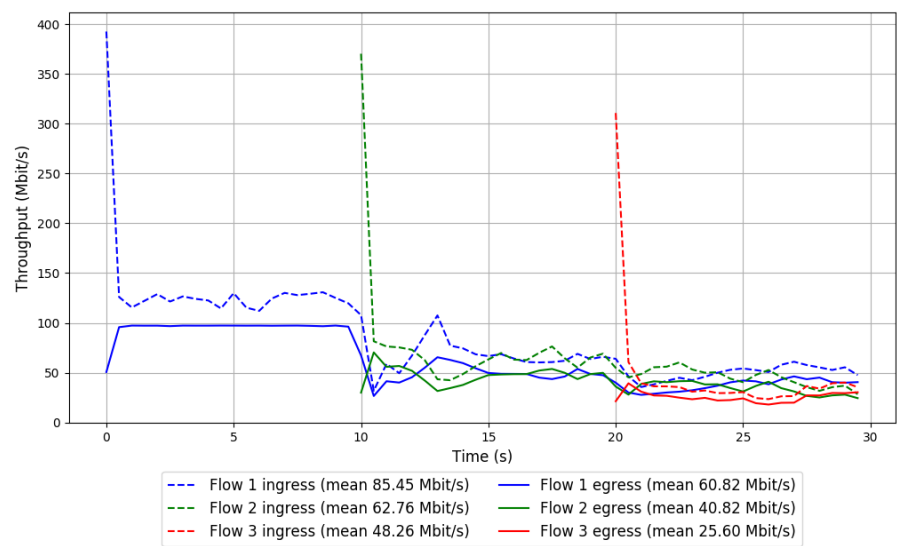


Run 4: Statistics of FillP

Start at: 2018-02-13 19:14:28
End at: 2018-02-13 19:14:58
Local clock offset: 1.69 ms
Remote clock offset: -4.542 ms

Below is generated by plot.py at 2018-02-13 22:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 71.083 ms
Loss rate: 32.60%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 71.009 ms
Loss rate: 28.77%
-- Flow 2:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 70.991 ms
Loss rate: 34.92%
-- Flow 3:
Average throughput: 25.60 Mbit/s
95th percentile per-packet one-way delay: 71.939 ms
Loss rate: 46.99%

Run 4: Report of FillP — Data Link

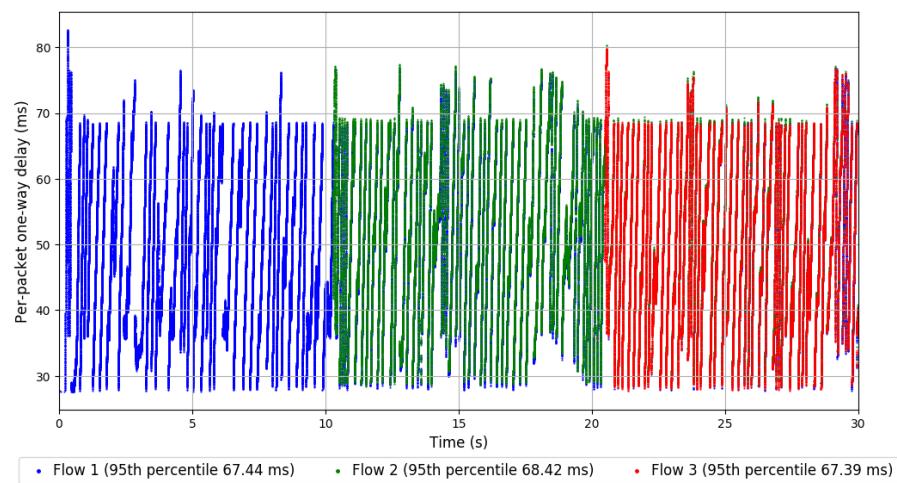
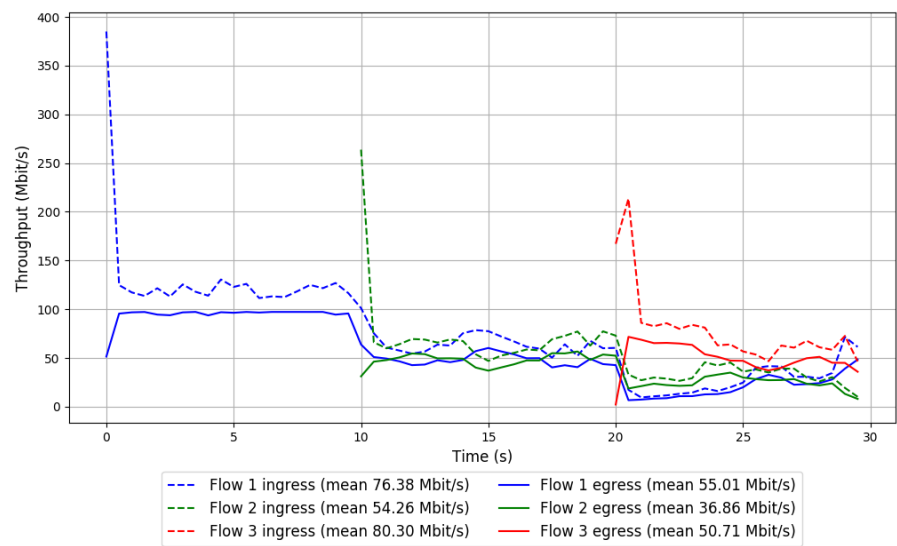


Run 5: Statistics of FillP

Start at: 2018-02-13 19:40:06
End at: 2018-02-13 19:40:36
Local clock offset: 1.59 ms
Remote clock offset: -9.958 ms

Below is generated by plot.py at 2018-02-13 22:42:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 67.710 ms
Loss rate: 30.91%
-- Flow 1:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 67.438 ms
Loss rate: 27.96%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 68.417 ms
Loss rate: 32.08%
-- Flow 3:
Average throughput: 50.71 Mbit/s
95th percentile per-packet one-way delay: 67.388 ms
Loss rate: 37.79%

Run 5: Report of FillP — Data Link

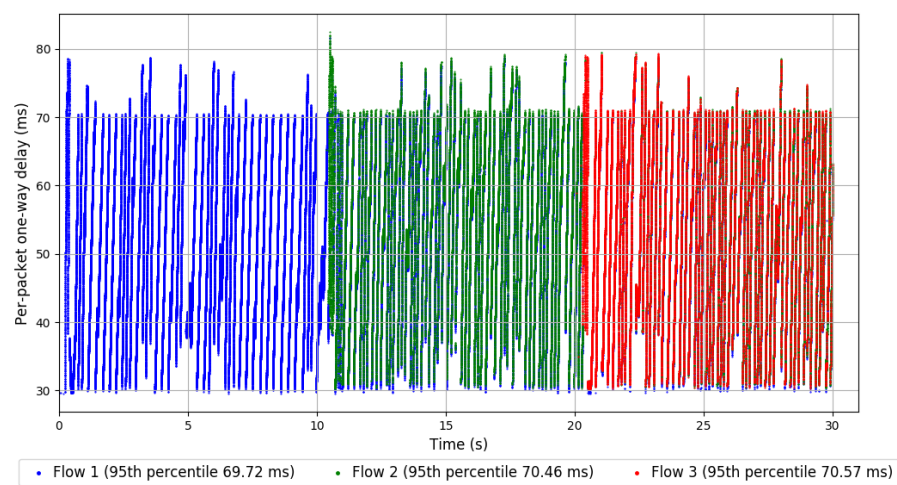
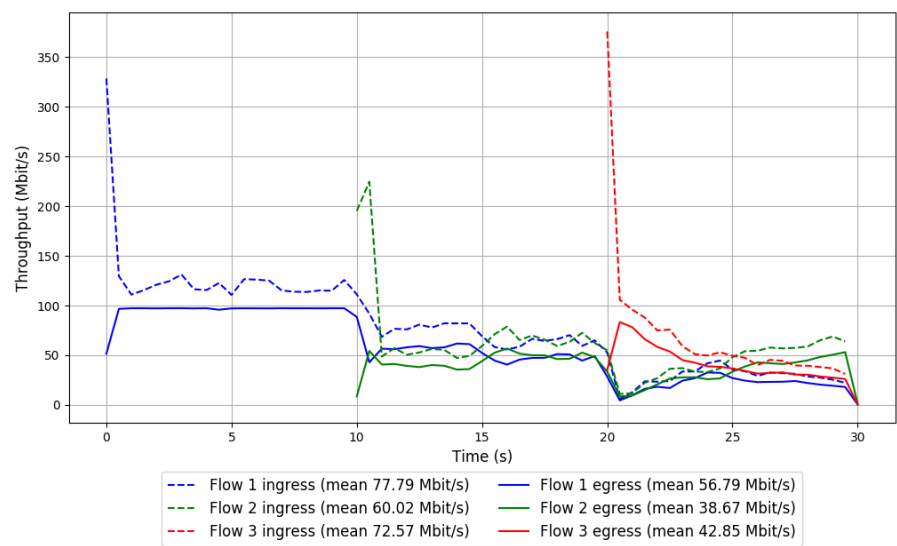


Run 6: Statistics of FillP

Start at: 2018-02-13 20:06:06
End at: 2018-02-13 20:06:36
Local clock offset: 1.161 ms
Remote clock offset: -8.344 ms

Below is generated by plot.py at 2018-02-13 22:42:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 70.076 ms
Loss rate: 31.86%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 69.722 ms
Loss rate: 26.92%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 70.464 ms
Loss rate: 36.02%
-- Flow 3:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 70.571 ms
Loss rate: 40.93%

Run 6: Report of FillP — Data Link

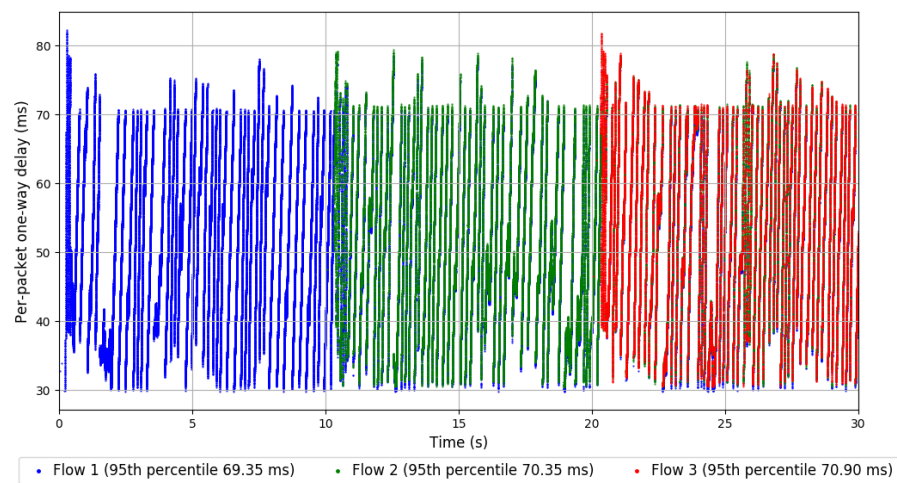
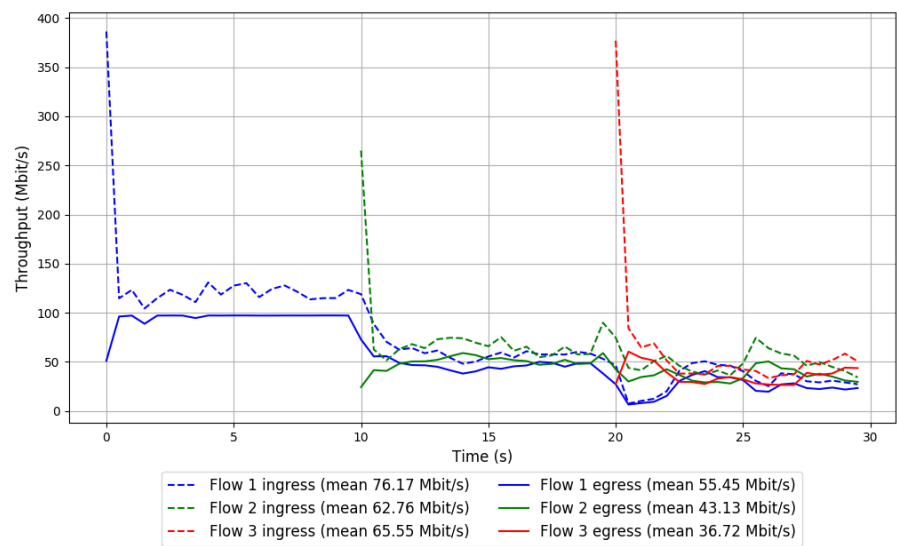


Run 7: Statistics of FillP

Start at: 2018-02-13 20:31:26
End at: 2018-02-13 20:31:56
Local clock offset: -0.586 ms
Remote clock offset: -7.989 ms

Below is generated by plot.py at 2018-02-13 22:42:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 69.852 ms
Loss rate: 31.00%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 69.347 ms
Loss rate: 27.16%
-- Flow 2:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 70.348 ms
Loss rate: 31.26%
-- Flow 3:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 70.904 ms
Loss rate: 43.95%

Run 7: Report of FillP — Data Link

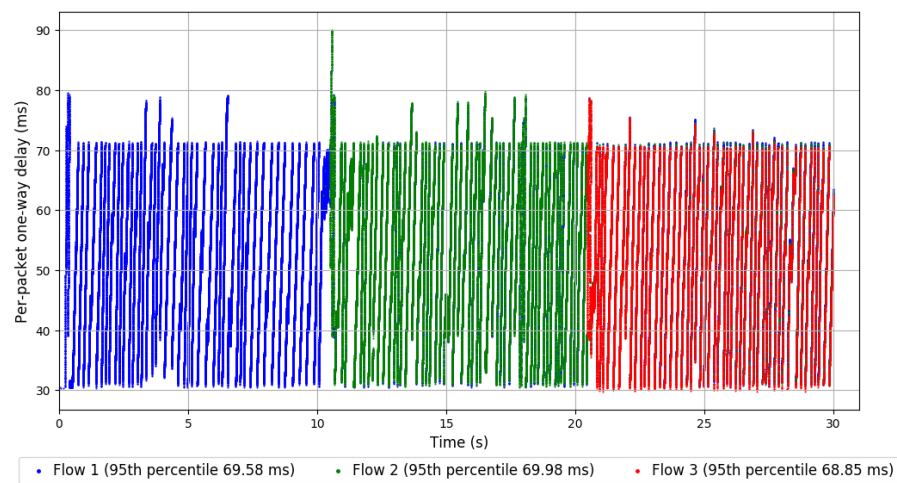
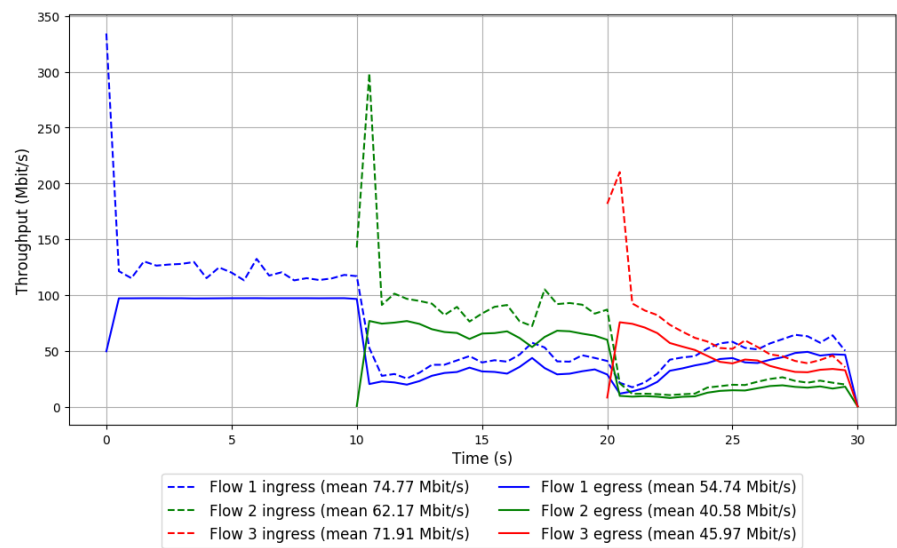


Run 8: Statistics of FillP

Start at: 2018-02-13 20:56:52
End at: 2018-02-13 20:57:22
Local clock offset: -0.216 ms
Remote clock offset: -4.561 ms

Below is generated by plot.py at 2018-02-13 22:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 69.584 ms
Loss rate: 30.98%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 69.580 ms
Loss rate: 26.71%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 69.979 ms
Loss rate: 35.22%
-- Flow 3:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 68.851 ms
Loss rate: 37.05%

Run 8: Report of FillP — Data Link

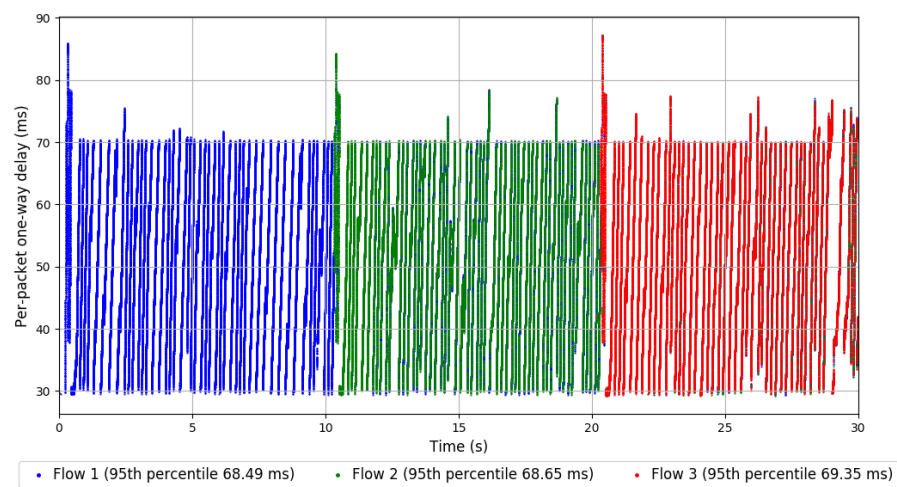
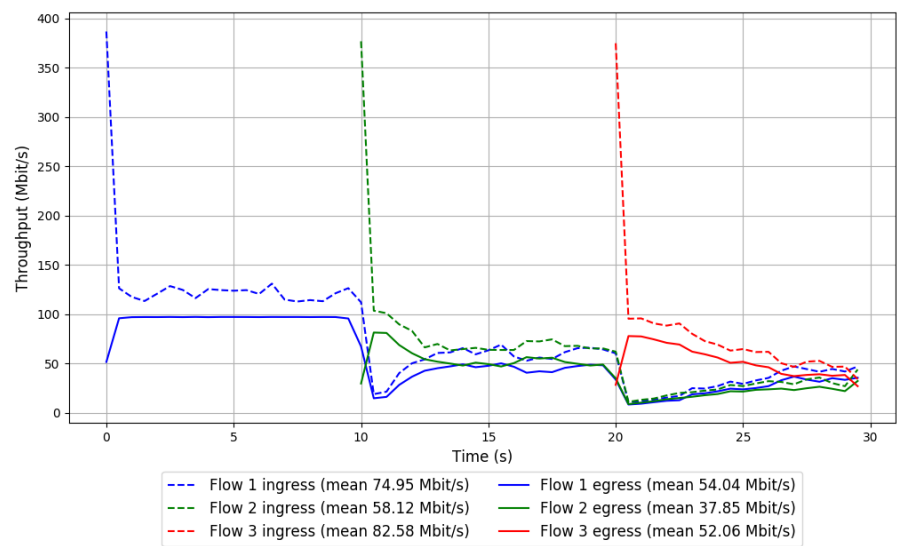


Run 9: Statistics of FillP

Start at: 2018-02-13 21:22:24
End at: 2018-02-13 21:22:54
Local clock offset: -2.621 ms
Remote clock offset: 11.138 ms

Below is generated by plot.py at 2018-02-13 22:43:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 68.685 ms
Loss rate: 31.61%
-- Flow 1:
Average throughput: 54.04 Mbit/s
95th percentile per-packet one-way delay: 68.494 ms
Loss rate: 27.87%
-- Flow 2:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 68.654 ms
Loss rate: 34.96%
-- Flow 3:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 69.347 ms
Loss rate: 37.10%

Run 9: Report of FillP — Data Link

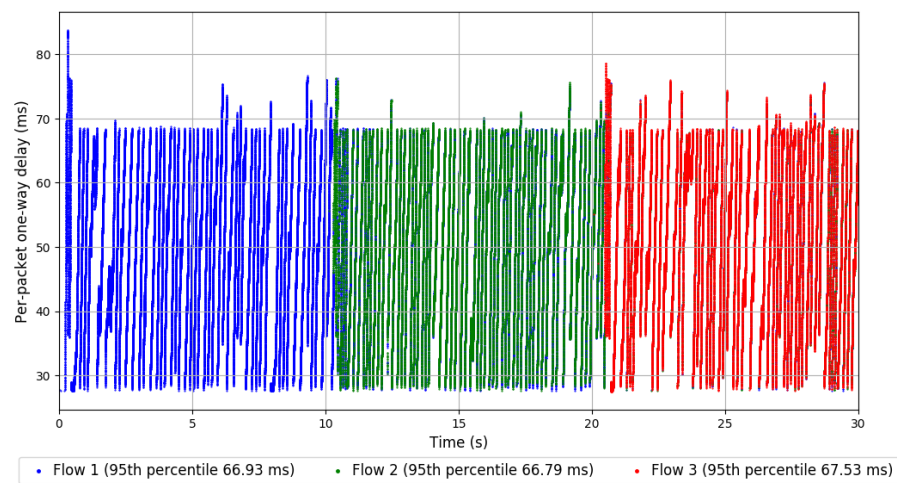
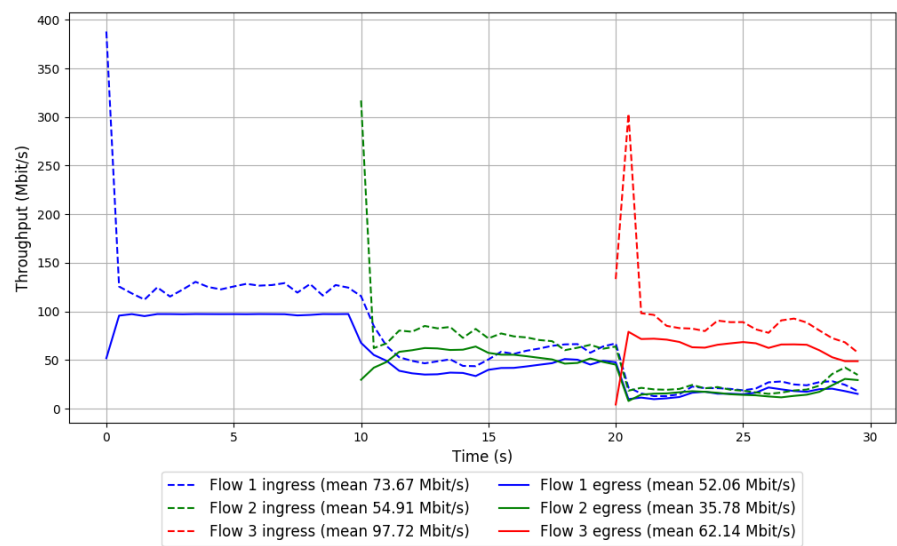


Run 10: Statistics of FillP

Start at: 2018-02-13 21:48:26
End at: 2018-02-13 21:48:56
Local clock offset: -5.615 ms
Remote clock offset: 16.641 ms

Below is generated by plot.py at 2018-02-13 22:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 67.026 ms
Loss rate: 32.38%
-- Flow 1:
Average throughput: 52.06 Mbit/s
95th percentile per-packet one-way delay: 66.927 ms
Loss rate: 29.33%
-- Flow 2:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 66.792 ms
Loss rate: 34.86%
-- Flow 3:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 67.529 ms
Loss rate: 36.54%

Run 10: Report of FillP — Data Link

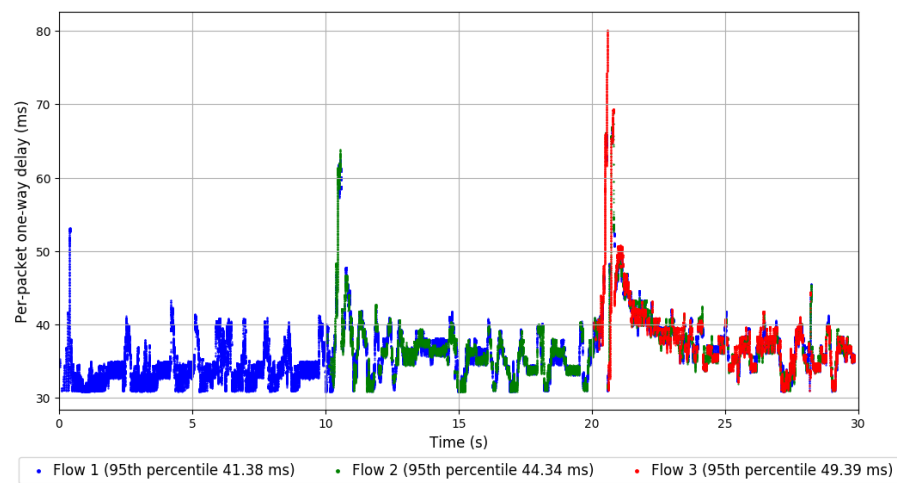
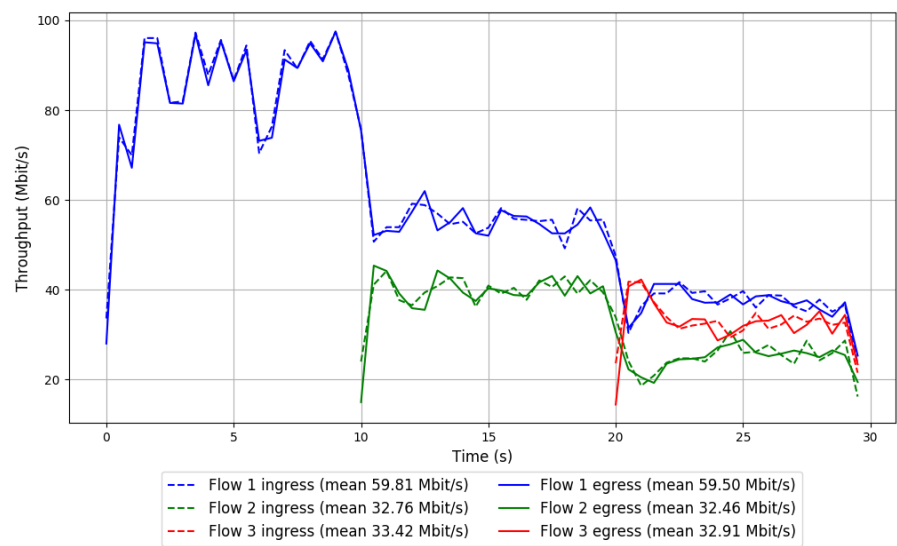


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-13 17:40:22
End at: 2018-02-13 17:40:52
Local clock offset: 1.258 ms
Remote clock offset: 8.64 ms

# Below is generated by plot.py at 2018-02-13 22:43:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.77 Mbit/s
95th percentile per-packet one-way delay: 43.109 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 41.385 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 44.338 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 49.393 ms
Loss rate: 1.55%
```

Run 1: Report of Indigo-1-32 — Data Link

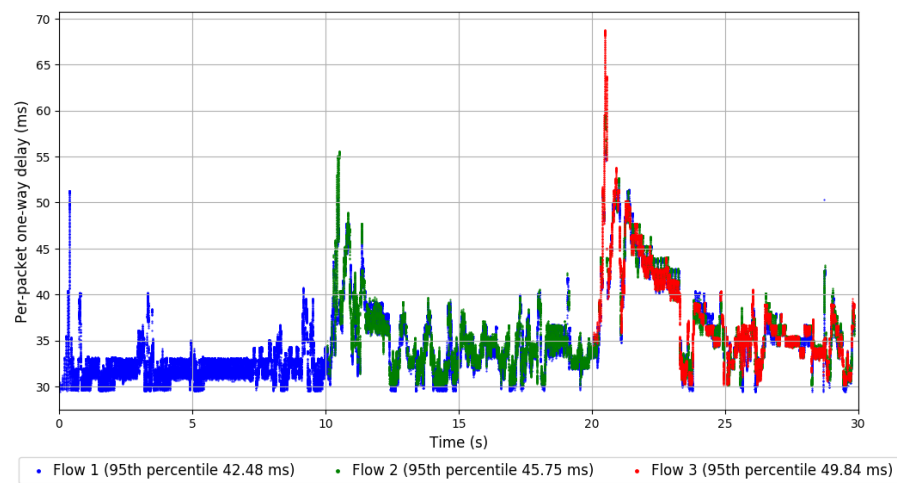
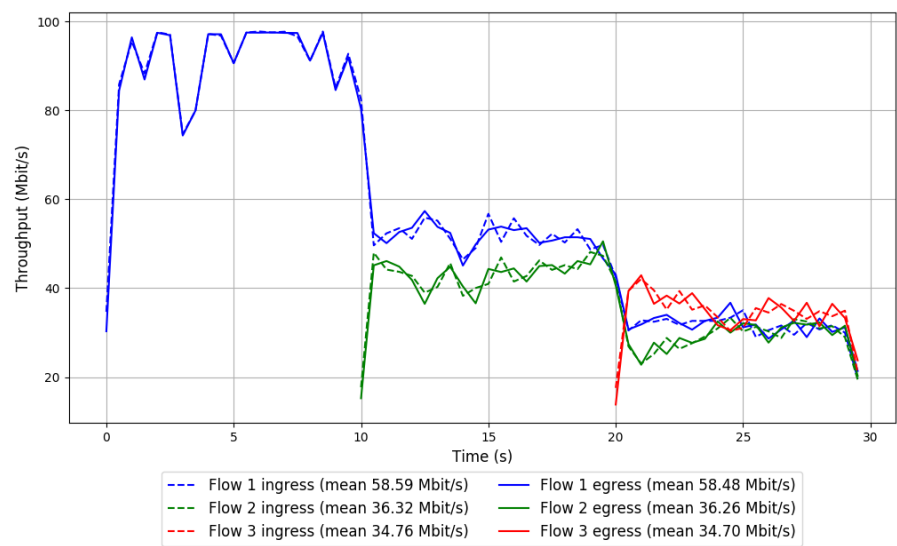


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-13 18:06:24
End at: 2018-02-13 18:06:54
Local clock offset: -2.614 ms
Remote clock offset: 19.948 ms

Below is generated by plot.py at 2018-02-13 22:43:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 44.971 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.48 Mbit/s
95th percentile per-packet one-way delay: 42.485 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 45.752 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 49.836 ms
Loss rate: 0.14%

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-02-13 18:32:36

End at: 2018-02-13 18:33:06

Local clock offset: -0.703 ms

Remote clock offset: 9.047 ms

Below is generated by plot.py at 2018-02-13 22:43:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 43.835 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 54.55 Mbit/s

95th percentile per-packet one-way delay: 41.431 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 37.40 Mbit/s

95th percentile per-packet one-way delay: 43.972 ms

Loss rate: 0.15%

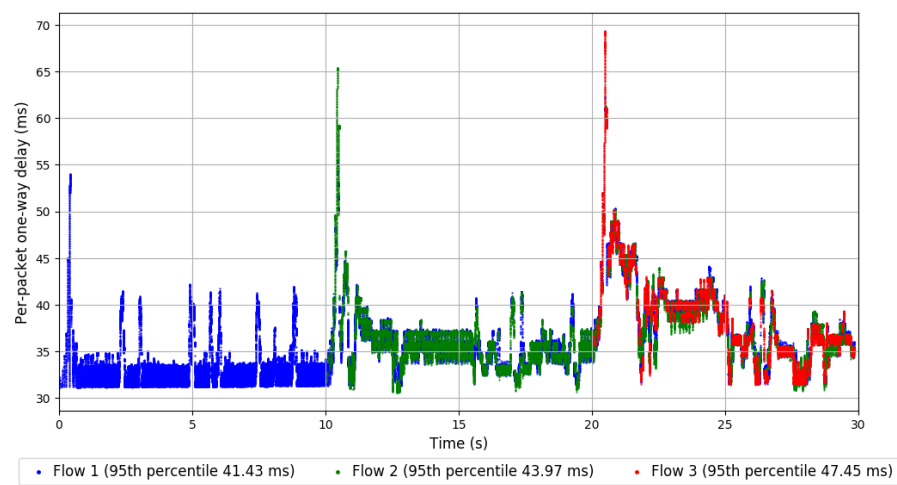
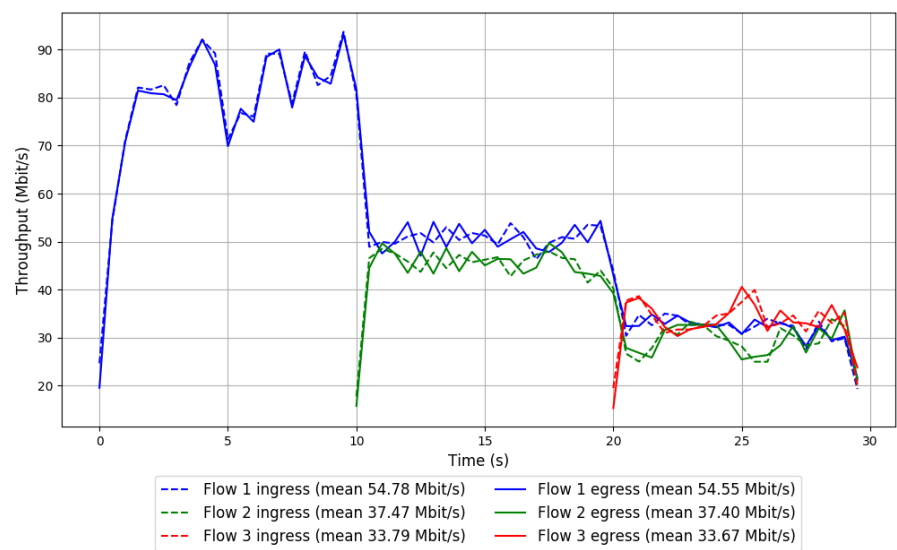
-- Flow 3:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 47.447 ms

Loss rate: 0.38%

Run 3: Report of Indigo-1-32 — Data Link

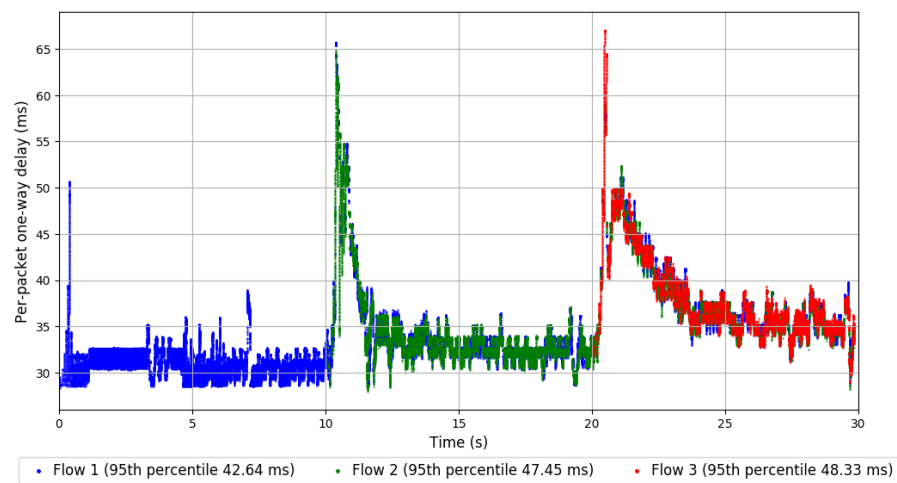
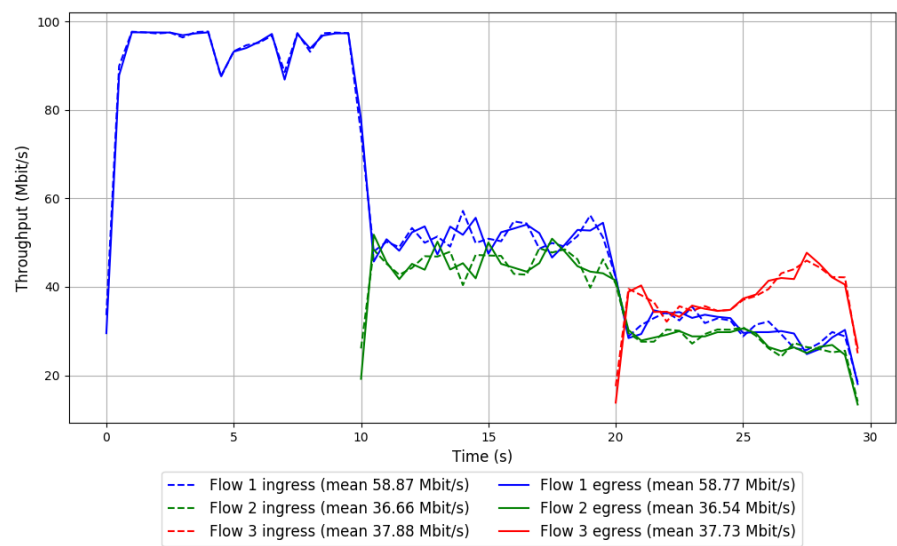


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-13 18:57:44
End at: 2018-02-13 18:58:14
Local clock offset: 1.887 ms
Remote clock offset: -1.732 ms

Below is generated by plot.py at 2018-02-13 22:43:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 45.875 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 42.637 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 47.449 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 48.332 ms
Loss rate: 0.37%

Run 4: Report of Indigo-1-32 — Data Link

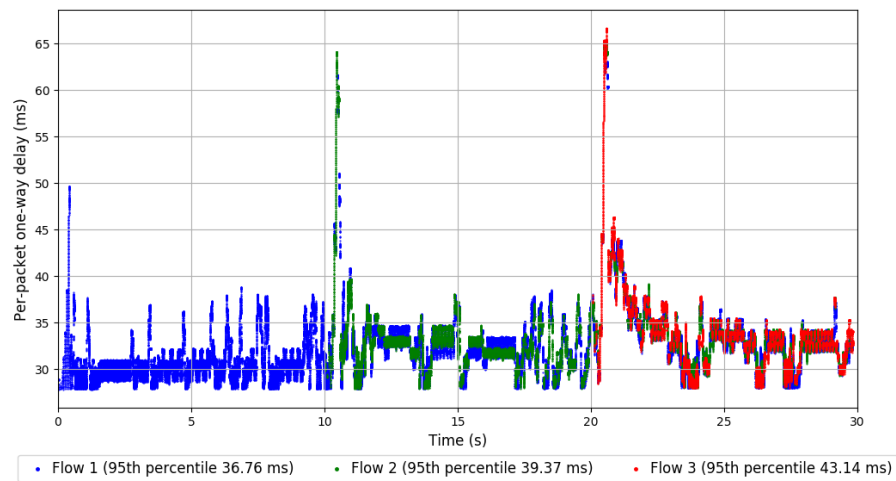
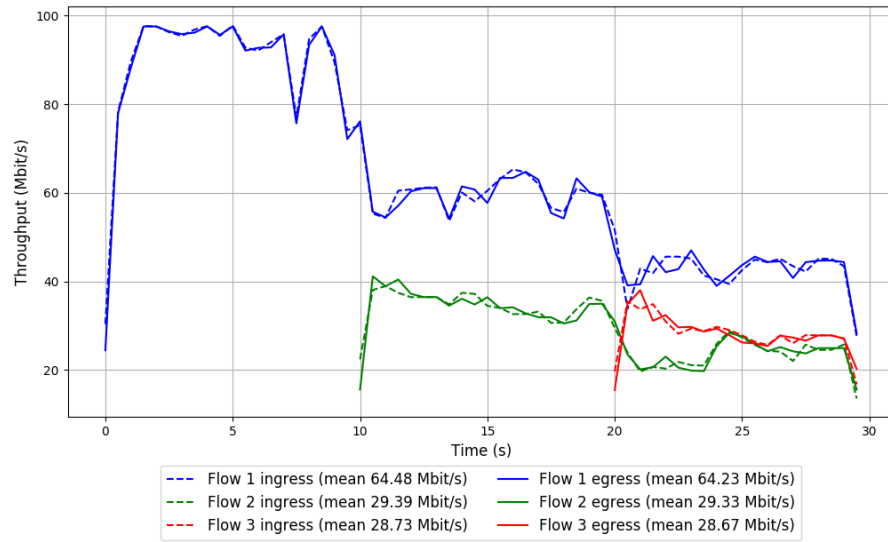


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-13 19:23:15
End at: 2018-02-13 19:23:45
Local clock offset: 1.752 ms
Remote clock offset: -9.624 ms

Below is generated by plot.py at 2018-02-13 22:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 37.819 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 36.758 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 39.373 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 43.141 ms
Loss rate: 0.26%

Run 5: Report of Indigo-1-32 — Data Link

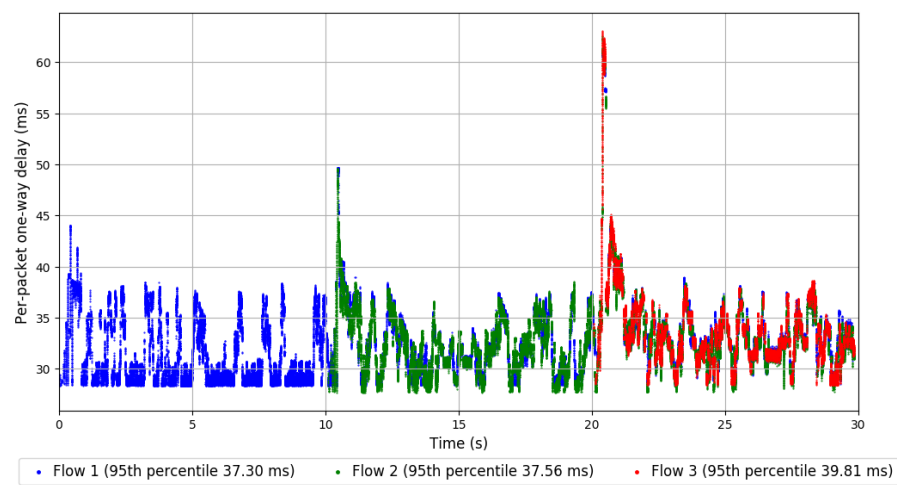
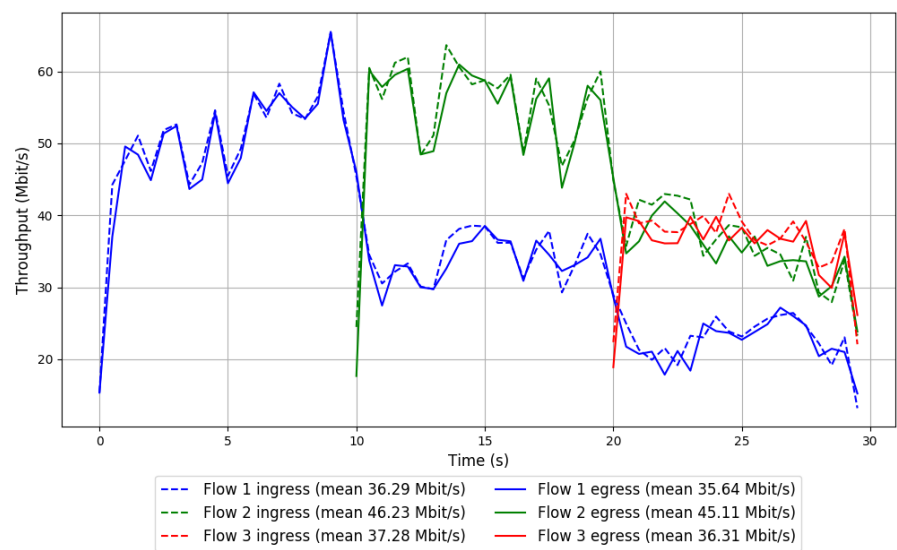


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-13 19:48:47
End at: 2018-02-13 19:49:17
Local clock offset: 1.458 ms
Remote clock offset: -10.906 ms

Below is generated by plot.py at 2018-02-13 22:44:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 37.756 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 37.300 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 37.558 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 39.812 ms
Loss rate: 2.63%

Run 6: Report of Indigo-1-32 — Data Link

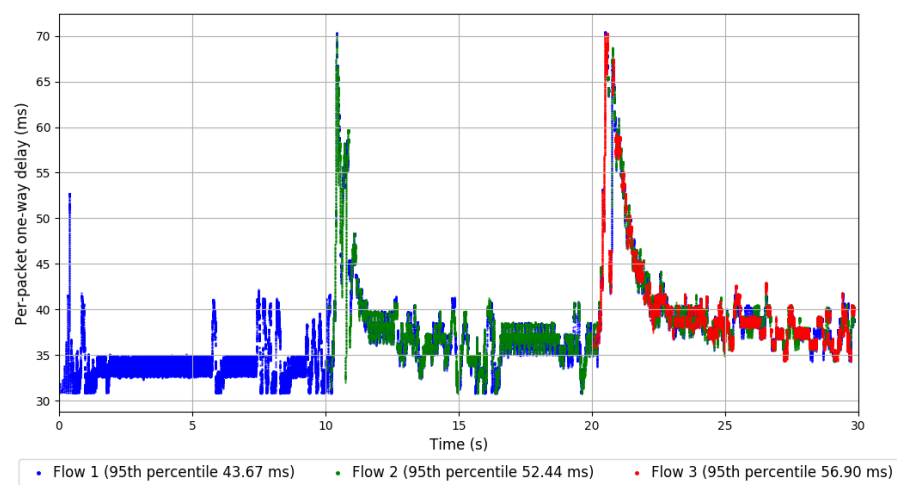
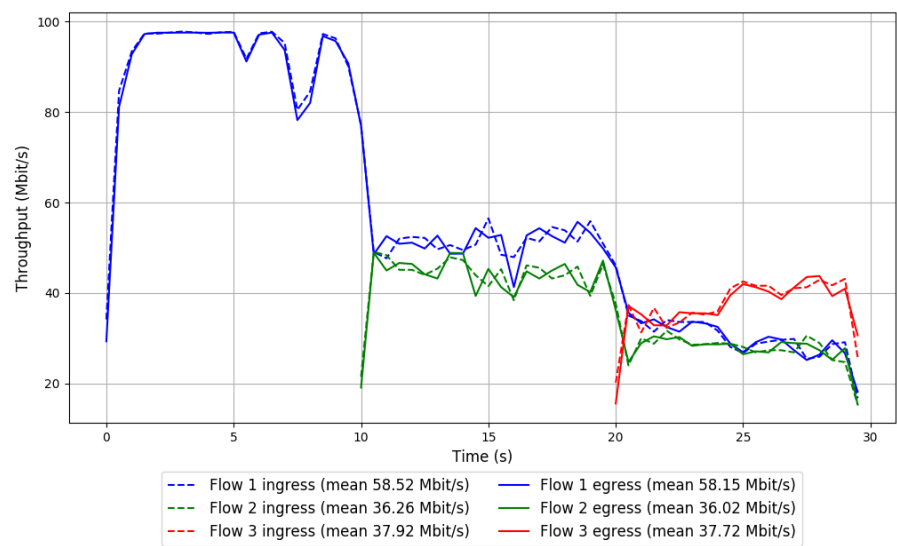


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 20:14:47
End at: 2018-02-13 20:15:17
Local clock offset: 0.454 ms
Remote clock offset: -6.956 ms

Below is generated by plot.py at 2018-02-13 22:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 47.520 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 58.15 Mbit/s
95th percentile per-packet one-way delay: 43.669 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 52.435 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 56.896 ms
Loss rate: 0.48%

Run 7: Report of Indigo-1-32 — Data Link

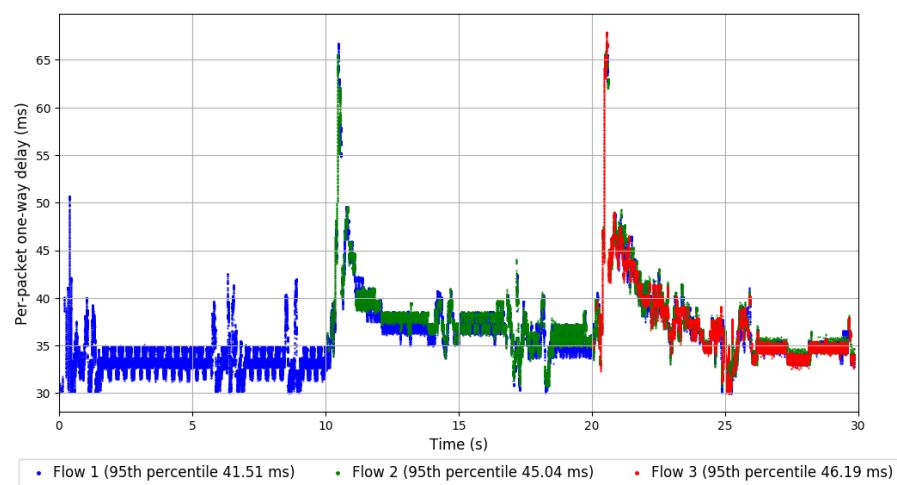
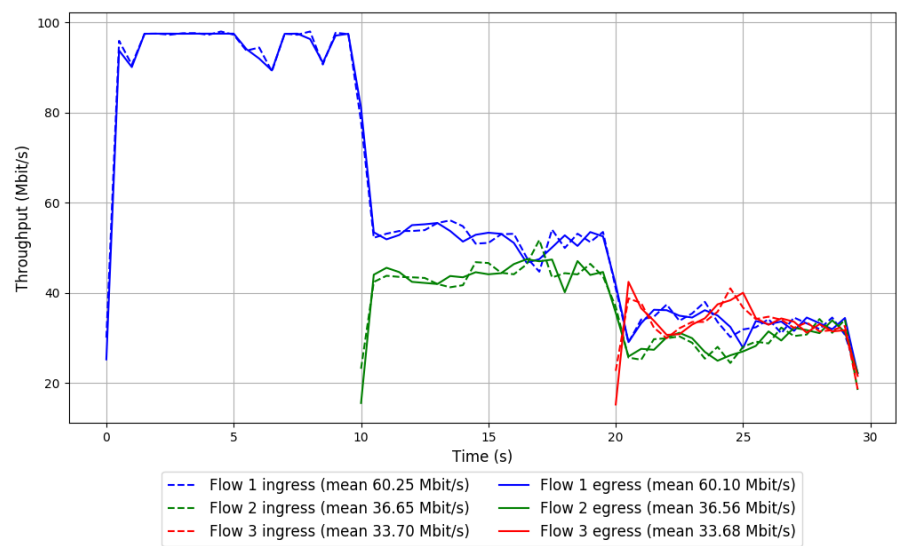


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 20:39:55
End at: 2018-02-13 20:40:25
Local clock offset: -1.07 ms
Remote clock offset: -5.661 ms

Below is generated by plot.py at 2018-02-13 22:44:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 43.860 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 41.508 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 45.038 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 46.189 ms
Loss rate: 0.06%

Run 8: Report of Indigo-1-32 — Data Link

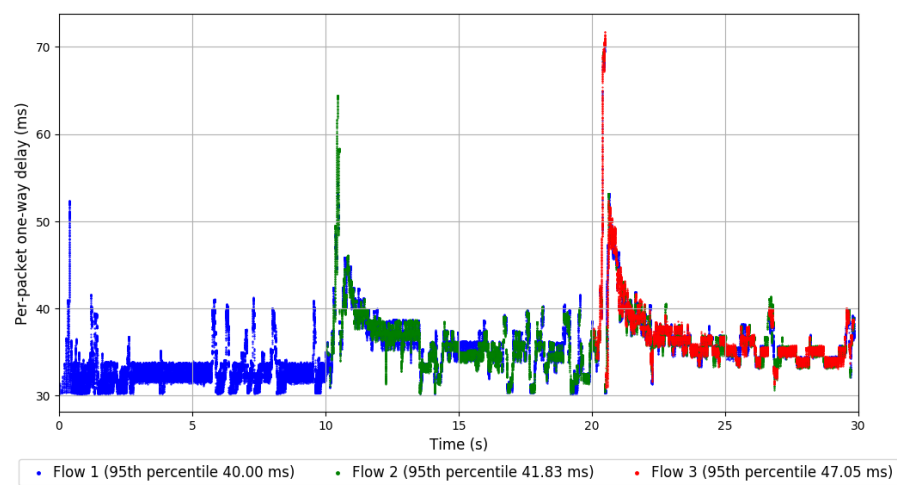
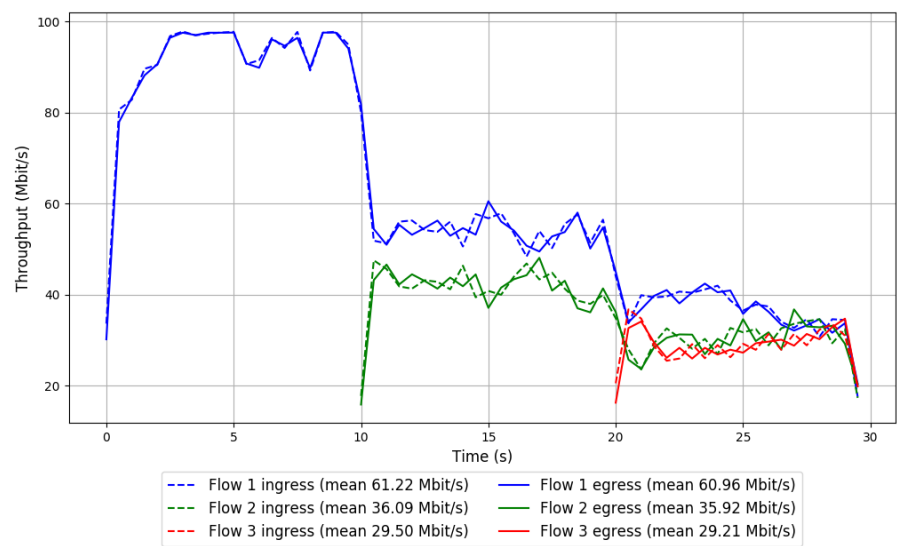


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 21:05:18
End at: 2018-02-13 21:05:48
Local clock offset: -0.254 ms
Remote clock offset: -4.266 ms

Below is generated by plot.py at 2018-02-13 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 39.998 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 41.826 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 47.052 ms
Loss rate: 0.96%

Run 9: Report of Indigo-1-32 — Data Link

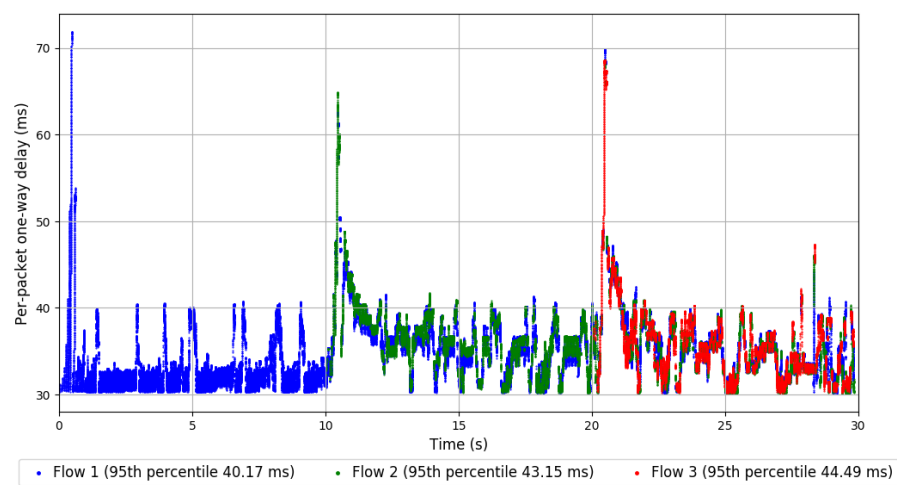
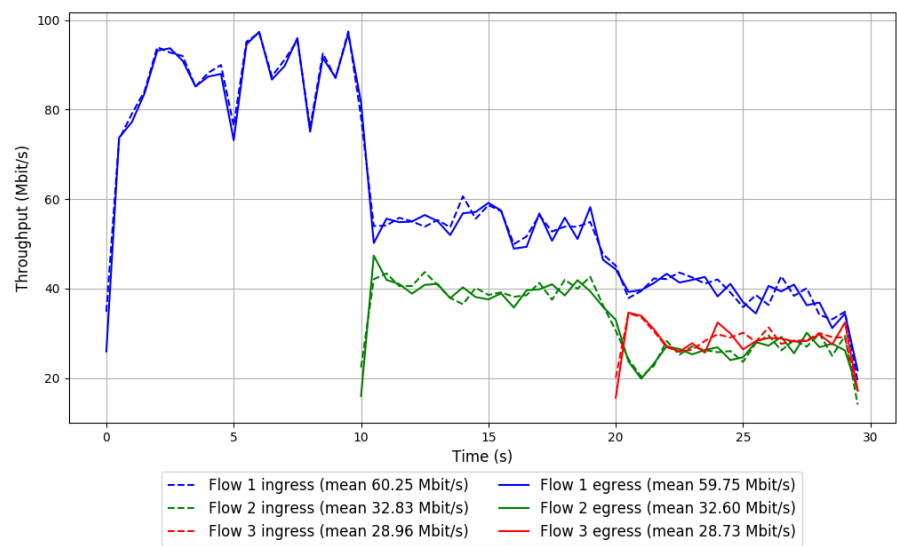


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 21:31:04
End at: 2018-02-13 21:31:34
Local clock offset: -4.13 ms
Remote clock offset: 14.742 ms

Below is generated by plot.py at 2018-02-13 22:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 41.453 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 40.166 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 43.150 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 44.488 ms
Loss rate: 0.80%

Run 10: Report of Indigo-1-32 — Data Link

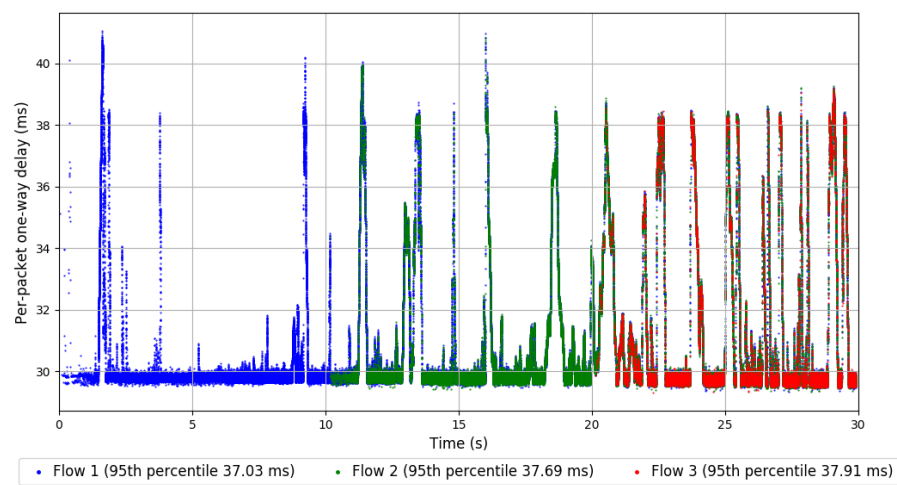
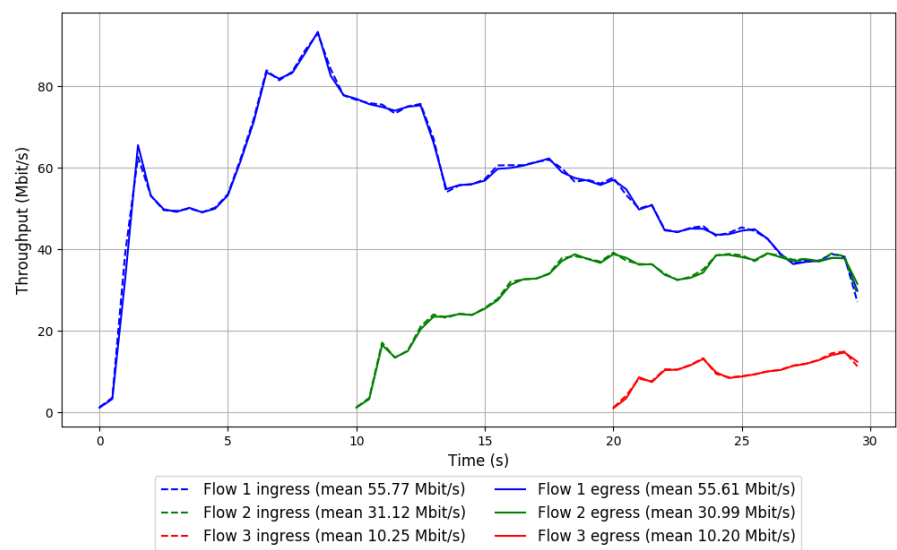


Run 1: Statistics of Vivace-latency

Start at: 2018-02-13 18:00:12
End at: 2018-02-13 18:00:42
Local clock offset: -1.77 ms
Remote clock offset: 18.625 ms

Below is generated by plot.py at 2018-02-13 22:44:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.58 Mbit/s
95th percentile per-packet one-way delay: 37.336 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 55.61 Mbit/s
95th percentile per-packet one-way delay: 37.029 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 30.99 Mbit/s
95th percentile per-packet one-way delay: 37.685 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 37.909 ms
Loss rate: 0.44%

Run 1: Report of Vivace-latency — Data Link

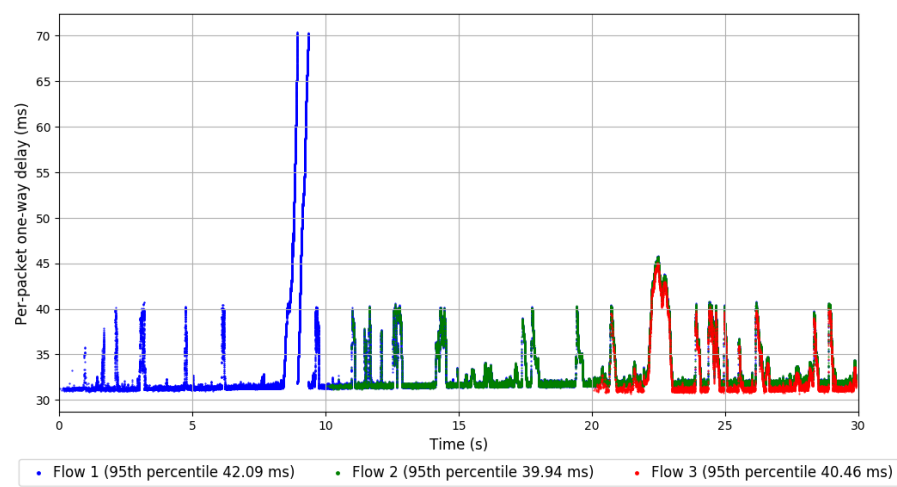
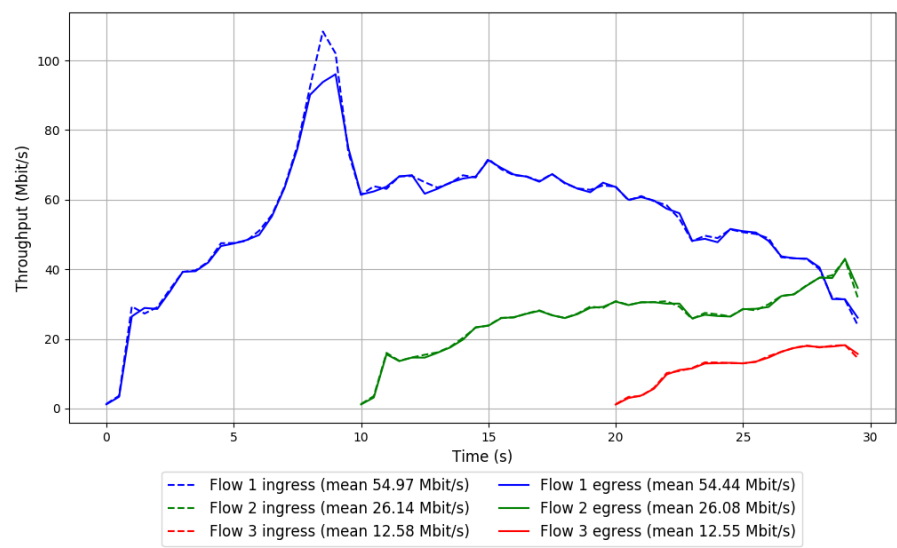


Run 2: Statistics of Vivace-latency

Start at: 2018-02-13 18:26:48
End at: 2018-02-13 18:27:18
Local clock offset: -2.65 ms
Remote clock offset: 12.172 ms

Below is generated by plot.py at 2018-02-13 22:44:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.91 Mbit/s
95th percentile per-packet one-way delay: 41.002 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 54.44 Mbit/s
95th percentile per-packet one-way delay: 42.090 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 39.936 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 40.459 ms
Loss rate: 0.25%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-02-13 18:51:59

End at: 2018-02-13 18:52:29

Local clock offset: 1.723 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2018-02-13 22:45:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.22 Mbit/s

95th percentile per-packet one-way delay: 38.268 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 59.99 Mbit/s

95th percentile per-packet one-way delay: 37.380 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 20.63 Mbit/s

95th percentile per-packet one-way delay: 40.500 ms

Loss rate: 0.23%

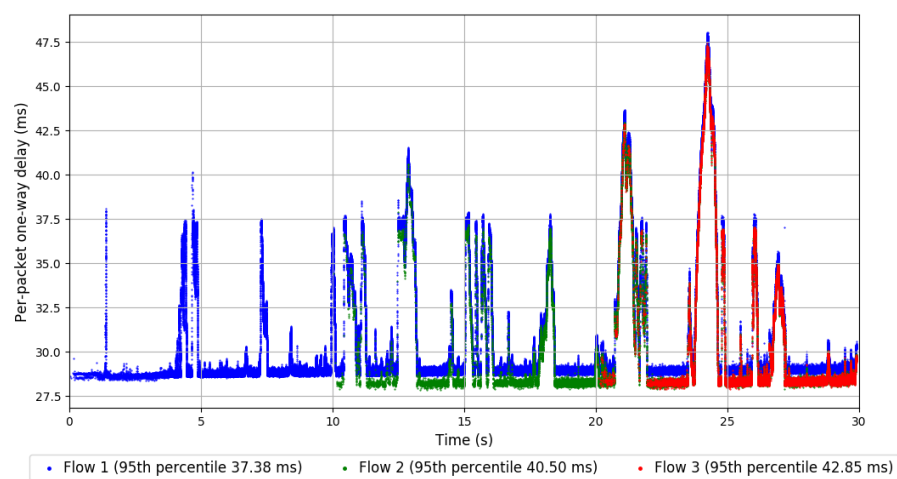
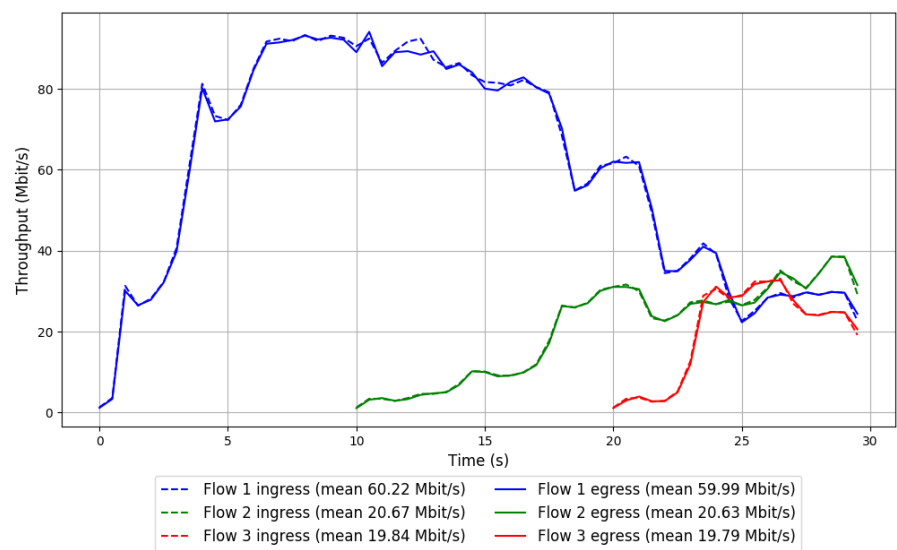
-- Flow 3:

Average throughput: 19.79 Mbit/s

95th percentile per-packet one-way delay: 42.851 ms

Loss rate: 0.24%

Run 3: Report of Vivace-latency — Data Link

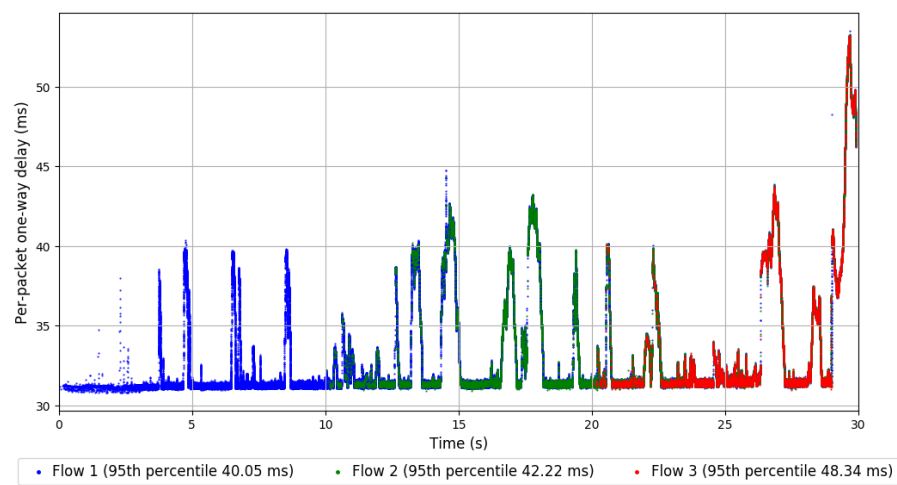
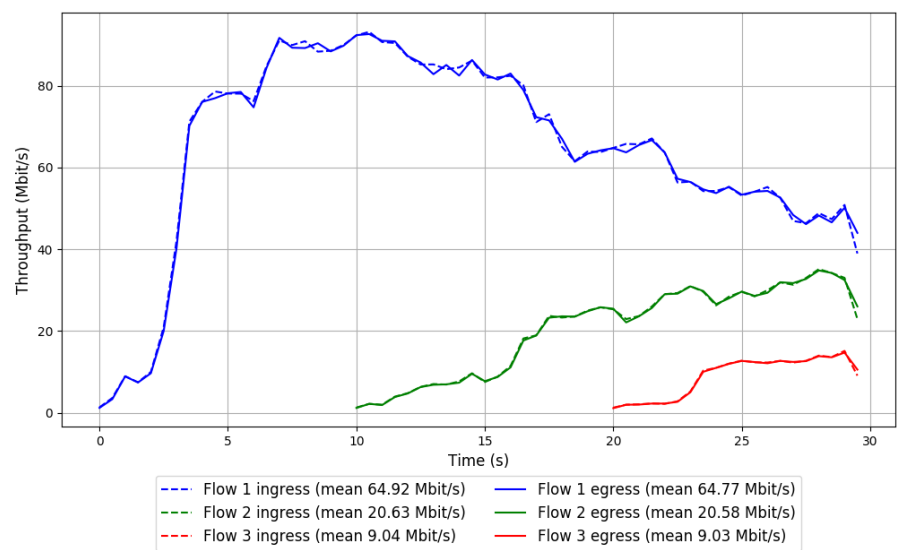


Run 4: Statistics of Vivace-latency

Start at: 2018-02-13 19:17:15
End at: 2018-02-13 19:17:45
Local clock offset: 1.717 ms
Remote clock offset: -5.303 ms

Below is generated by plot.py at 2018-02-13 22:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 40.668 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 40.055 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 42.222 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 48.338 ms
Loss rate: 0.01%

Run 4: Report of Vivace-latency — Data Link

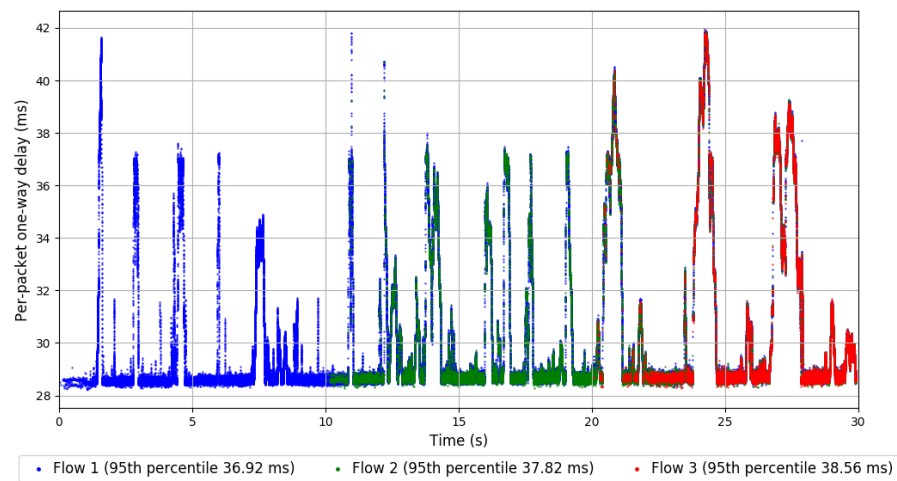
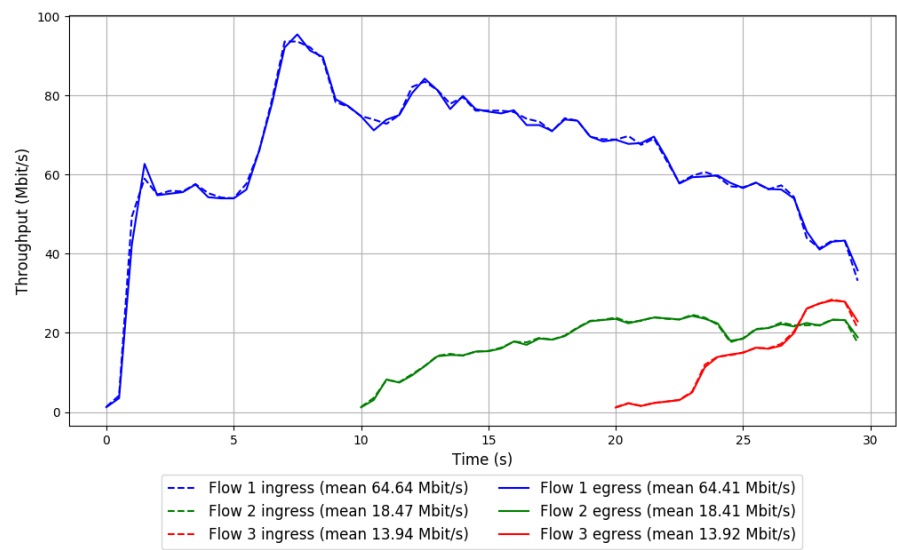


Run 5: Statistics of Vivace-latency

Start at: 2018-02-13 19:42:48
End at: 2018-02-13 19:43:18
Local clock offset: 1.46 ms
Remote clock offset: -10.207 ms

Below is generated by plot.py at 2018-02-13 22:46:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 37.096 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 36.925 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 37.822 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 38.558 ms
Loss rate: 0.13%

Run 5: Report of Vivace-latency — Data Link

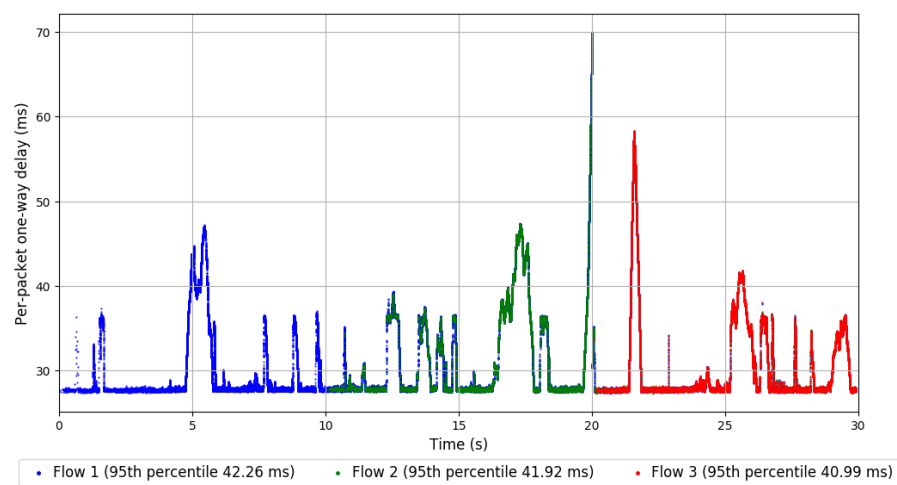
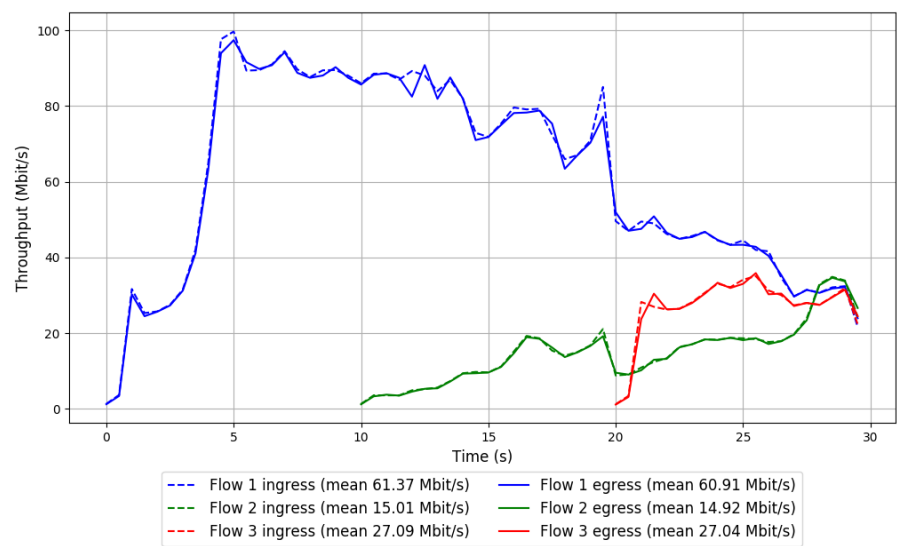


Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 20:08:53
End at: 2018-02-13 20:09:23
Local clock offset: 0.857 ms
Remote clock offset: -9.983 ms

Below is generated by plot.py at 2018-02-13 22:46:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 41.856 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: 42.263 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 41.925 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 40.988 ms
Loss rate: 0.26%

Run 6: Report of Vivace-latency — Data Link

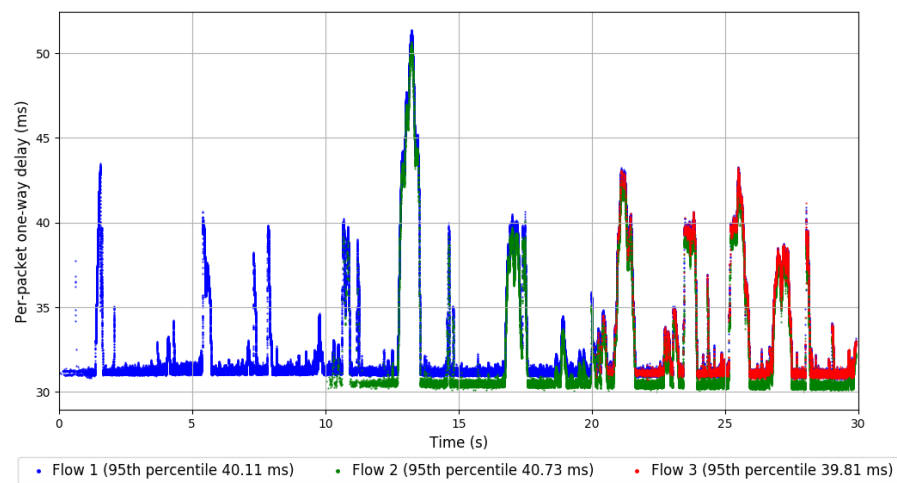
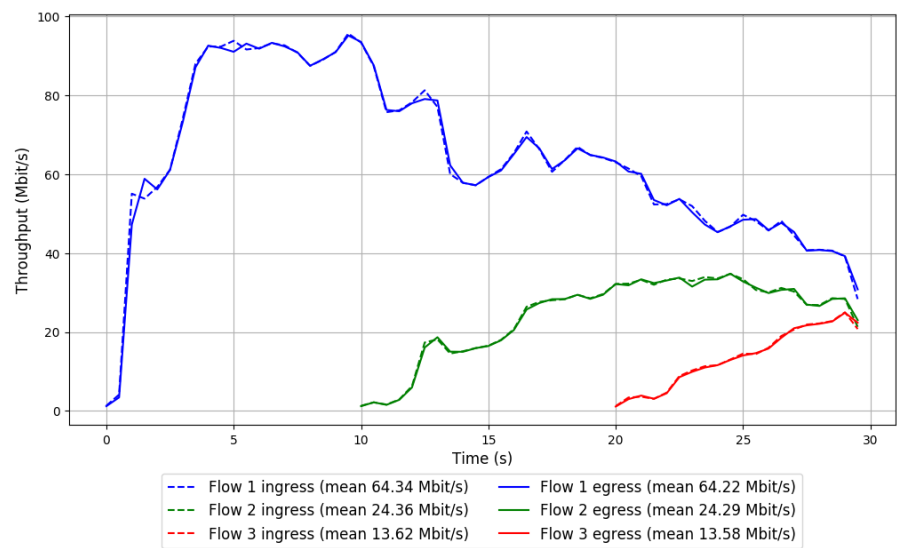


Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 20:34:07
End at: 2018-02-13 20:34:37
Local clock offset: -0.838 ms
Remote clock offset: -7.755 ms

Below is generated by plot.py at 2018-02-13 22:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 40.158 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 40.108 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 40.731 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 39.806 ms
Loss rate: 0.34%

Run 7: Report of Vivace-latency — Data Link

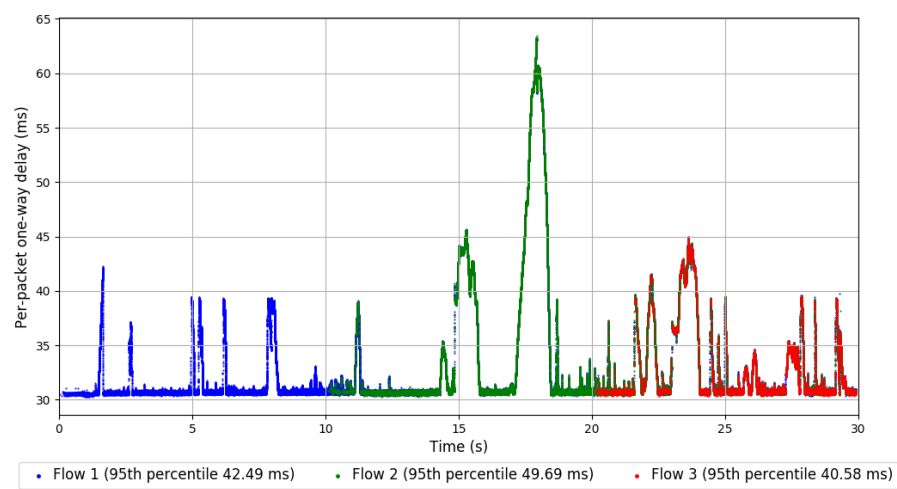
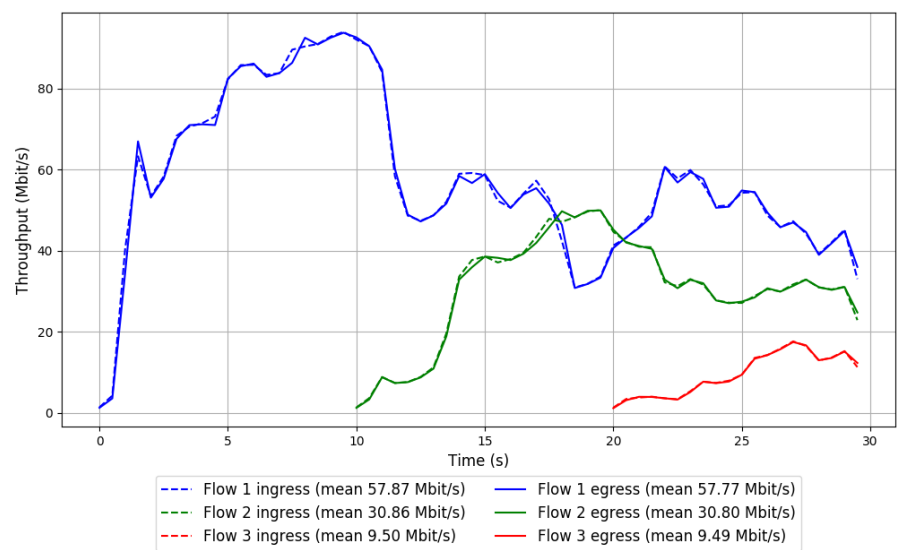


Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 20:59:33
End at: 2018-02-13 21:00:03
Local clock offset: -0.208 ms
Remote clock offset: -4.563 ms

Below is generated by plot.py at 2018-02-13 22:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 43.585 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 42.493 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 49.690 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 40.575 ms
Loss rate: 0.17%

Run 8: Report of Vivace-latency — Data Link

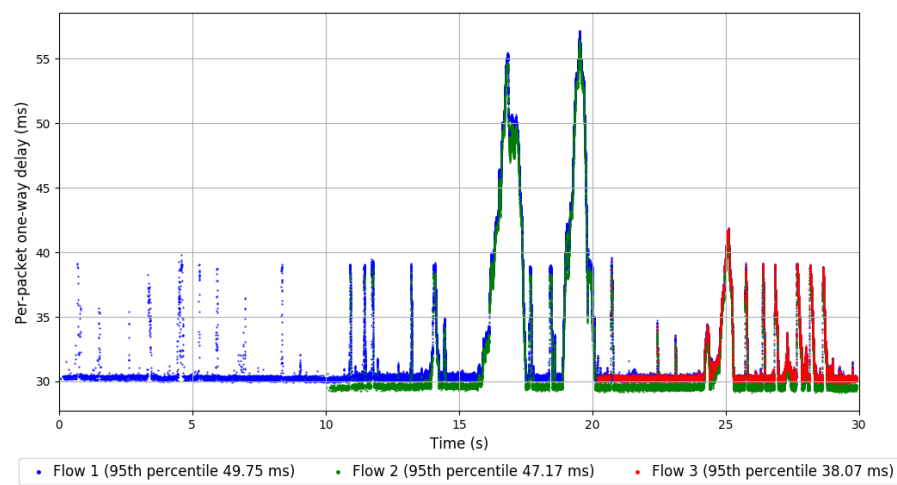
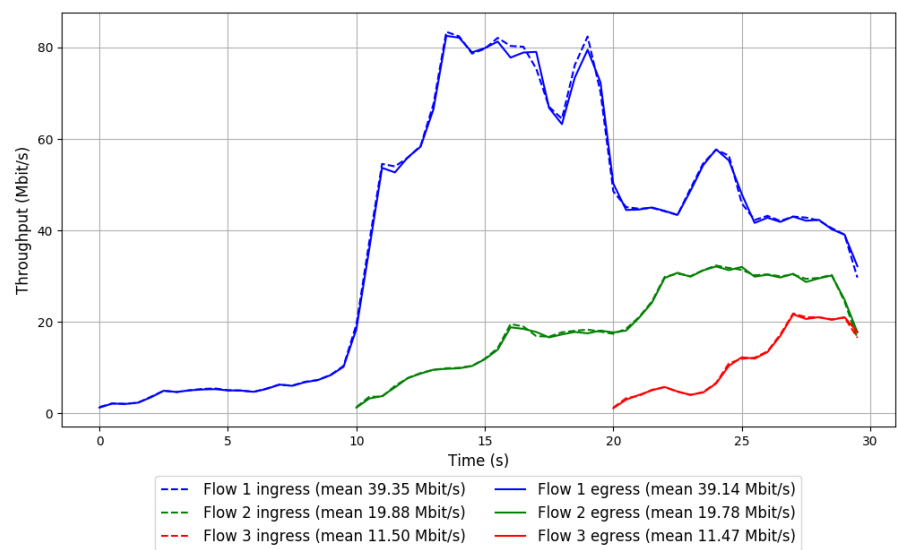


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 21:25:08
End at: 2018-02-13 21:25:38
Local clock offset: -3.197 ms
Remote clock offset: 12.465 ms

Below is generated by plot.py at 2018-02-13 22:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 49.008 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 49.746 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 47.168 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 38.074 ms
Loss rate: 0.34%

Run 9: Report of Vivace-latency — Data Link

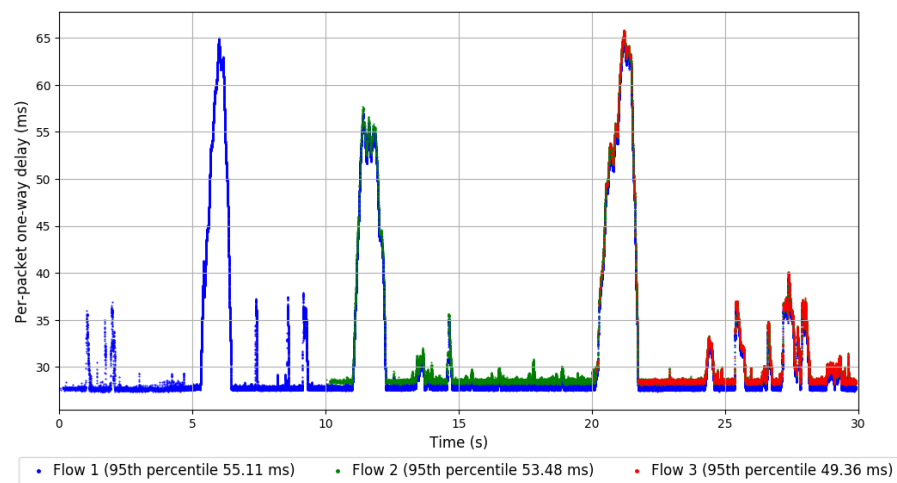
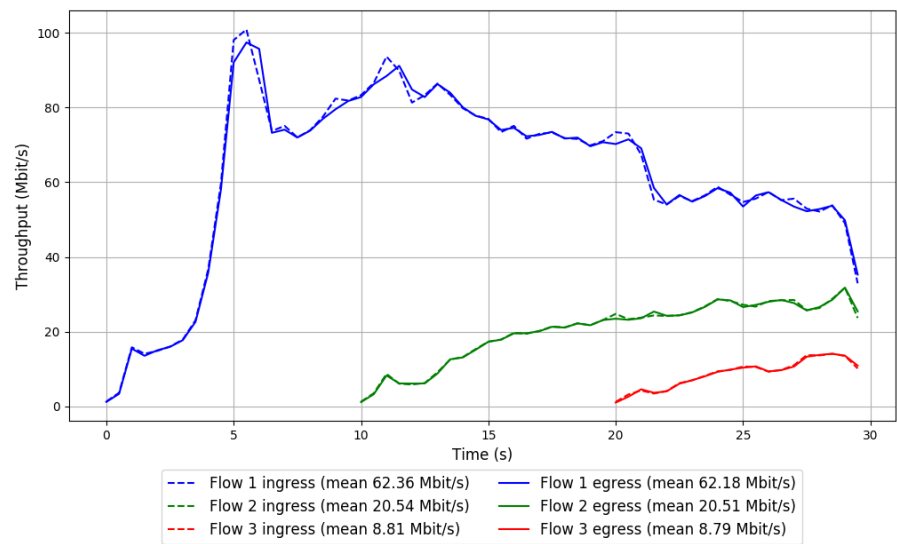


Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 21:51:10
End at: 2018-02-13 21:51:40
Local clock offset: -5.864 ms
Remote clock offset: 17.037 ms

Below is generated by plot.py at 2018-02-13 22:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.71 Mbit/s
95th percentile per-packet one-way delay: 54.871 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 55.114 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 53.481 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 49.359 ms
Loss rate: 0.34%

Run 10: Report of Vivace-latency — Data Link

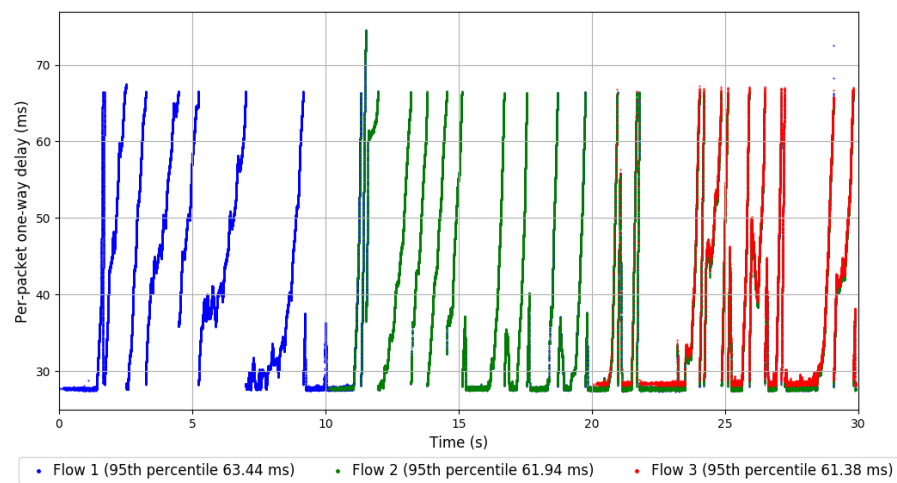
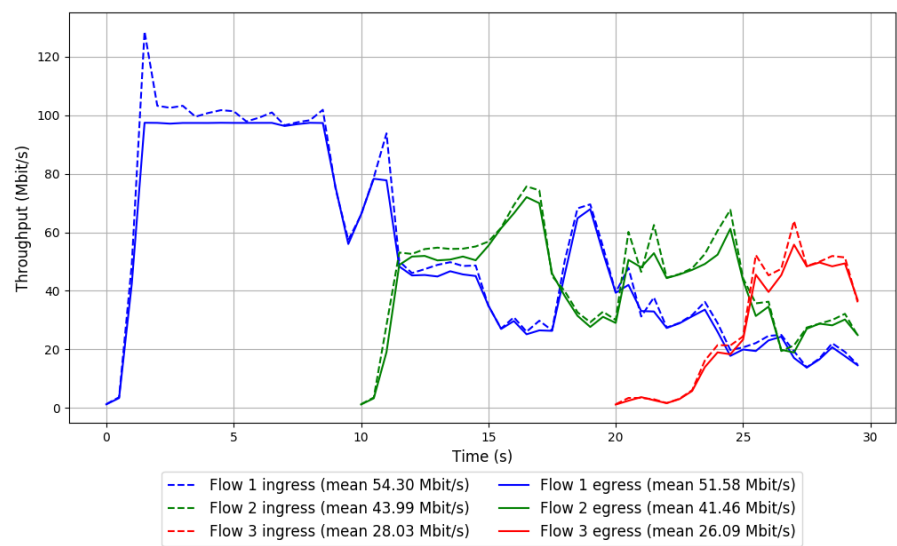


Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 18:03:14
End at: 2018-02-13 18:03:44
Local clock offset: -2.321 ms
Remote clock offset: 17.201 ms

Below is generated by plot.py at 2018-02-13 22:47:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.75 Mbit/s
95th percentile per-packet one-way delay: 62.765 ms
Loss rate: 5.43%
-- Flow 1:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 63.441 ms
Loss rate: 5.01%
-- Flow 2:
Average throughput: 41.46 Mbit/s
95th percentile per-packet one-way delay: 61.944 ms
Loss rate: 5.75%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 61.375 ms
Loss rate: 6.90%

Run 1: Report of Vivace-loss — Data Link

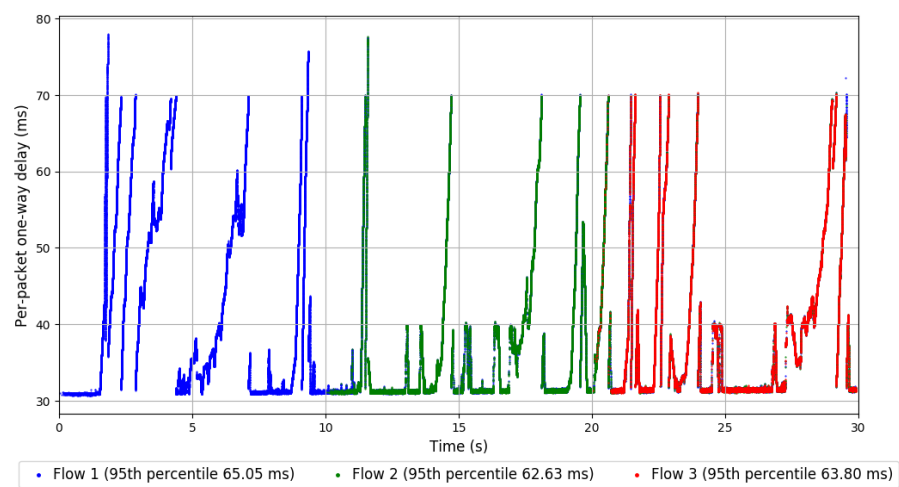
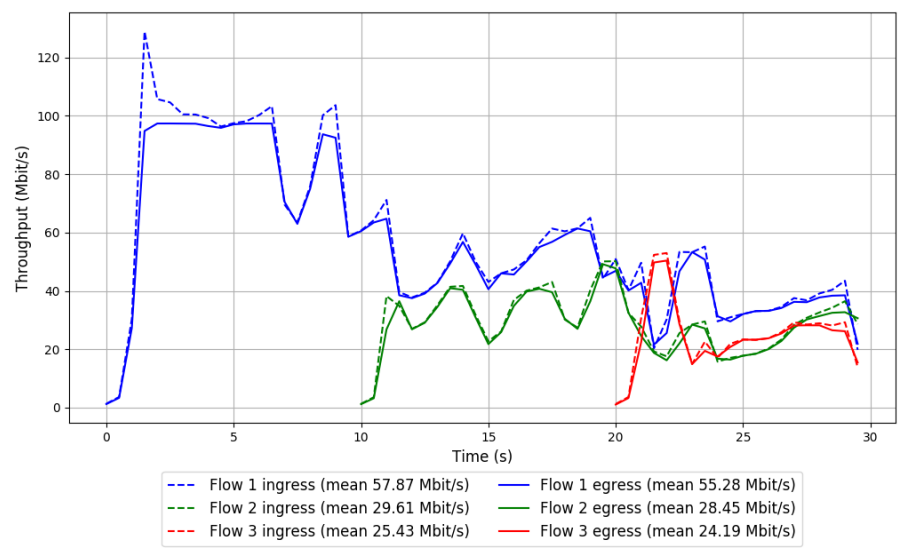


Run 2: Statistics of Vivace-loss

Start at: 2018-02-13 18:29:44
End at: 2018-02-13 18:30:14
Local clock offset: -1.422 ms
Remote clock offset: 10.177 ms

Below is generated by plot.py at 2018-02-13 22:47:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 64.530 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 65.047 ms
Loss rate: 4.47%
-- Flow 2:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 62.628 ms
Loss rate: 3.93%
-- Flow 3:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 63.801 ms
Loss rate: 4.88%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-13 18:54:47

End at: 2018-02-13 18:55:17

Local clock offset: 1.77 ms

Remote clock offset: 1.315 ms

Below is generated by plot.py at 2018-02-13 22:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.24 Mbit/s

95th percentile per-packet one-way delay: 64.256 ms

Loss rate: 5.95%

-- Flow 1:

Average throughput: 50.77 Mbit/s

95th percentile per-packet one-way delay: 63.817 ms

Loss rate: 5.86%

-- Flow 2:

Average throughput: 28.07 Mbit/s

95th percentile per-packet one-way delay: 63.748 ms

Loss rate: 5.92%

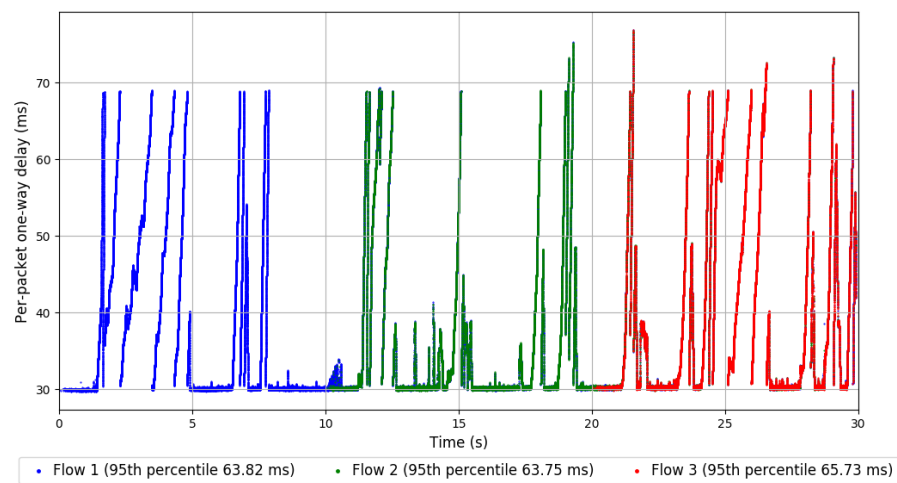
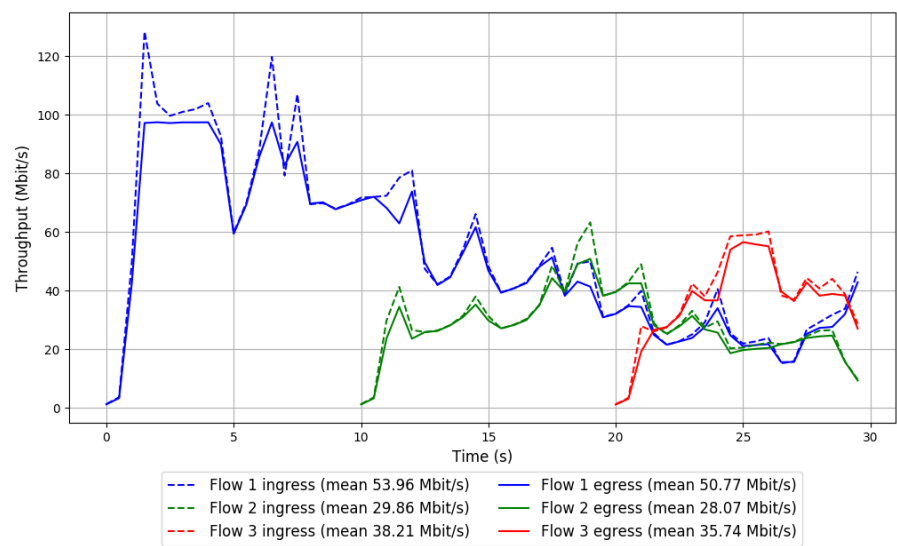
-- Flow 3:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 65.733 ms

Loss rate: 6.36%

Run 3: Report of Vivace-loss — Data Link

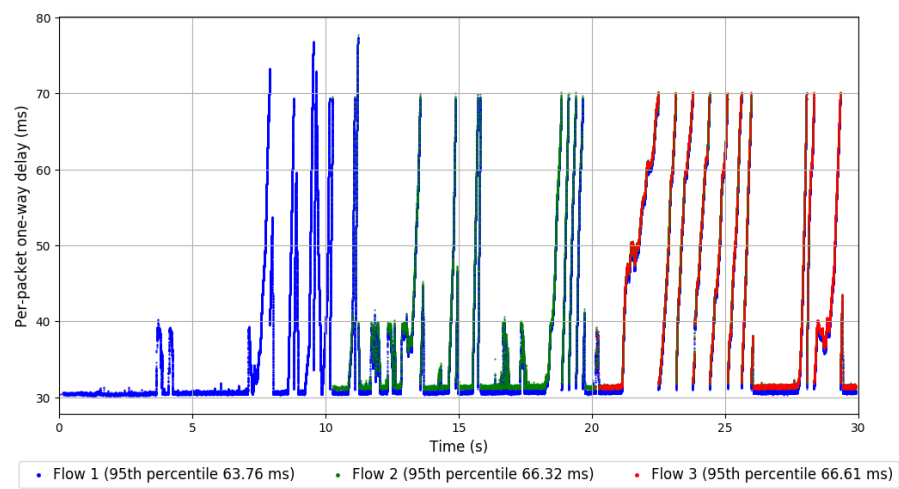
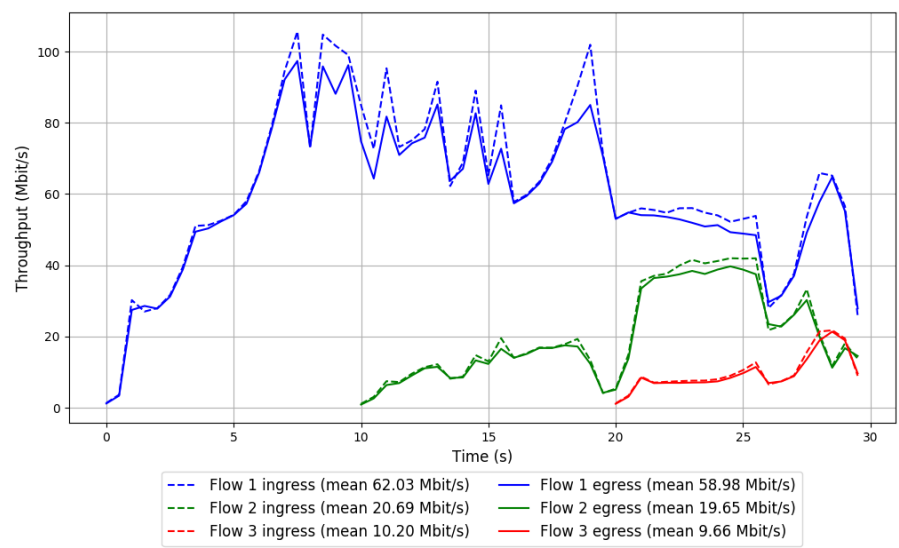


Run 4: Statistics of Vivace-loss

Start at: 2018-02-13 19:20:18
End at: 2018-02-13 19:20:48
Local clock offset: 1.74 ms
Remote clock offset: -6.161 ms

Below is generated by plot.py at 2018-02-13 22:47:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 64.585 ms
Loss rate: 4.96%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 63.759 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 19.65 Mbit/s
95th percentile per-packet one-way delay: 66.316 ms
Loss rate: 5.09%
-- Flow 3:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 66.613 ms
Loss rate: 5.25%

Run 4: Report of Vivace-loss — Data Link

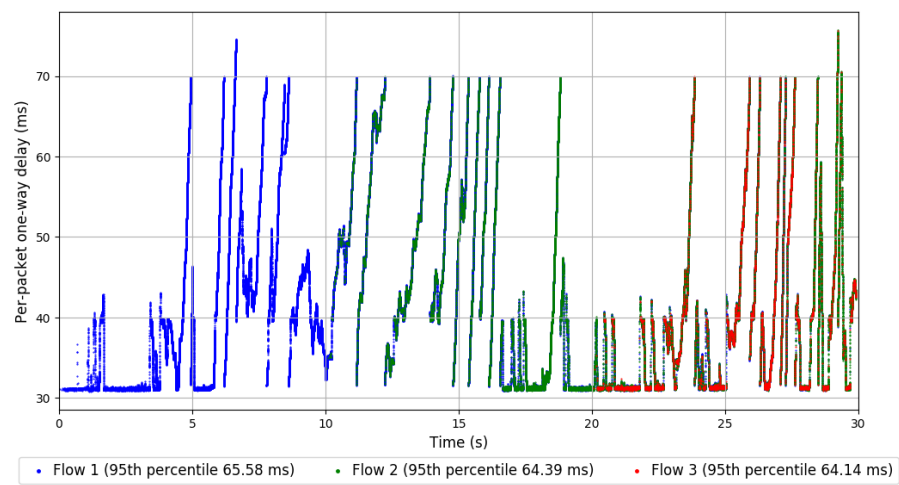
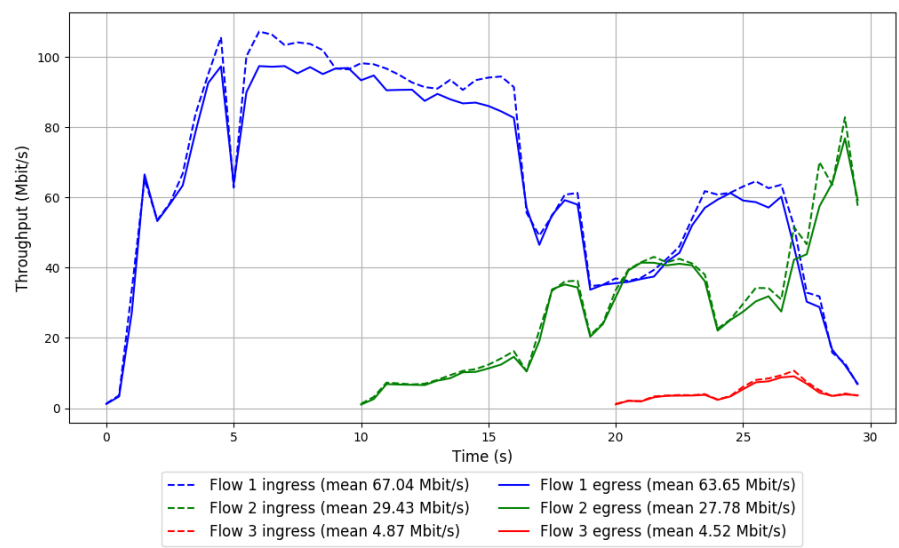


Run 5: Statistics of Vivace-loss

Start at: 2018-02-13 19:45:48
End at: 2018-02-13 19:46:18
Local clock offset: 1.5 ms
Remote clock offset: -7.914 ms

Below is generated by plot.py at 2018-02-13 22:47:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 65.393 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 65.580 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 27.78 Mbit/s
95th percentile per-packet one-way delay: 64.388 ms
Loss rate: 5.55%
-- Flow 3:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 64.142 ms
Loss rate: 7.09%

Run 5: Report of Vivace-loss — Data Link

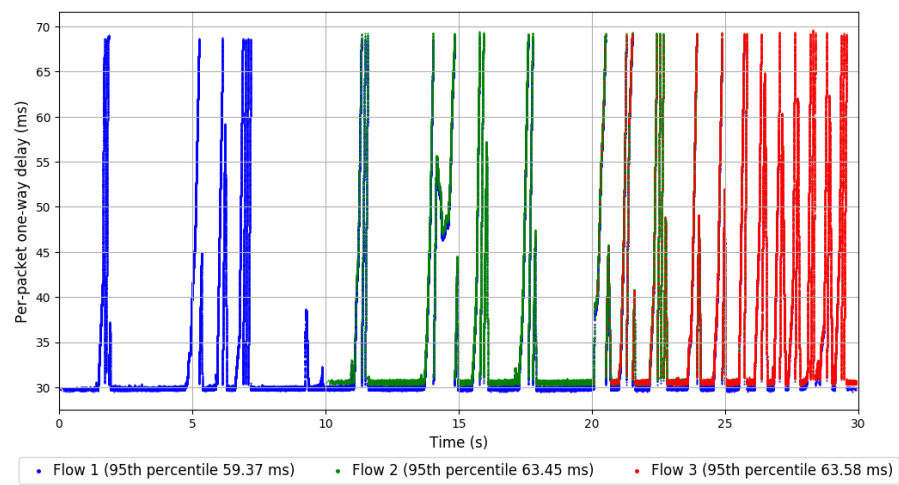
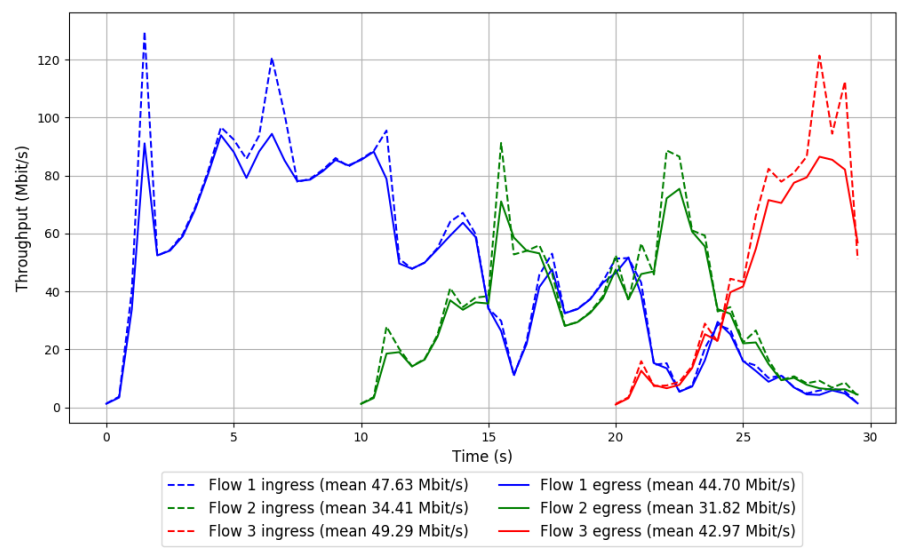


Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 20:11:56
End at: 2018-02-13 20:12:26
Local clock offset: 0.7 ms
Remote clock offset: -7.514 ms

Below is generated by plot.py at 2018-02-13 22:47:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.02 Mbit/s
95th percentile per-packet one-way delay: 61.749 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 59.366 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 63.445 ms
Loss rate: 7.54%
-- Flow 3:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 63.580 ms
Loss rate: 12.83%

Run 6: Report of Vivace-loss — Data Link

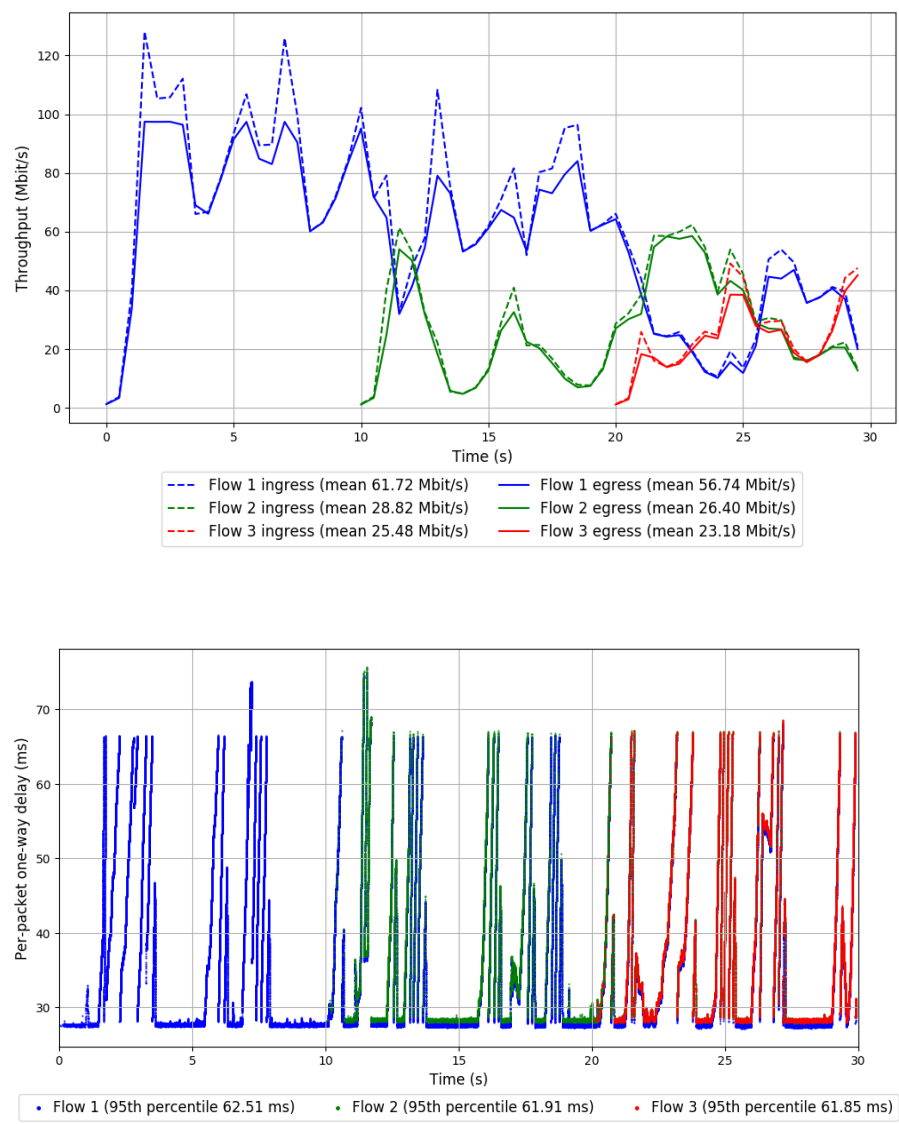


Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 20:37:00
End at: 2018-02-13 20:37:30
Local clock offset: -0.988 ms
Remote clock offset: -9.269 ms

Below is generated by plot.py at 2018-02-13 22:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 62.344 ms
Loss rate: 8.21%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 62.505 ms
Loss rate: 8.05%
-- Flow 2:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 61.910 ms
Loss rate: 8.38%
-- Flow 3:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 61.850 ms
Loss rate: 9.02%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 21:02:20

End at: 2018-02-13 21:02:50

Local clock offset: -0.216 ms

Remote clock offset: -6.67 ms

Below is generated by plot.py at 2018-02-13 22:47:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 60.646 ms

Loss rate: 5.59%

-- Flow 1:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 60.334 ms

Loss rate: 5.95%

-- Flow 2:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 60.347 ms

Loss rate: 4.52%

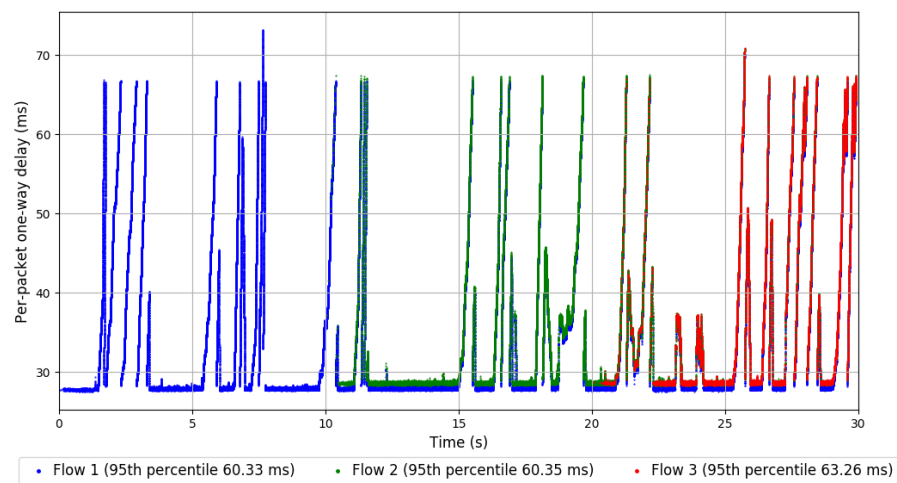
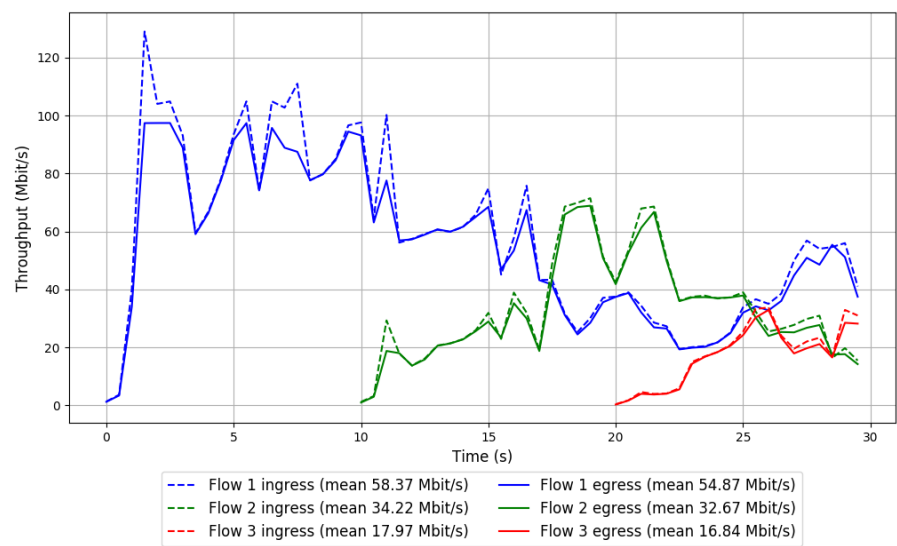
-- Flow 3:

Average throughput: 16.84 Mbit/s

95th percentile per-packet one-way delay: 63.262 ms

Loss rate: 6.16%

Run 8: Report of Vivace-loss — Data Link

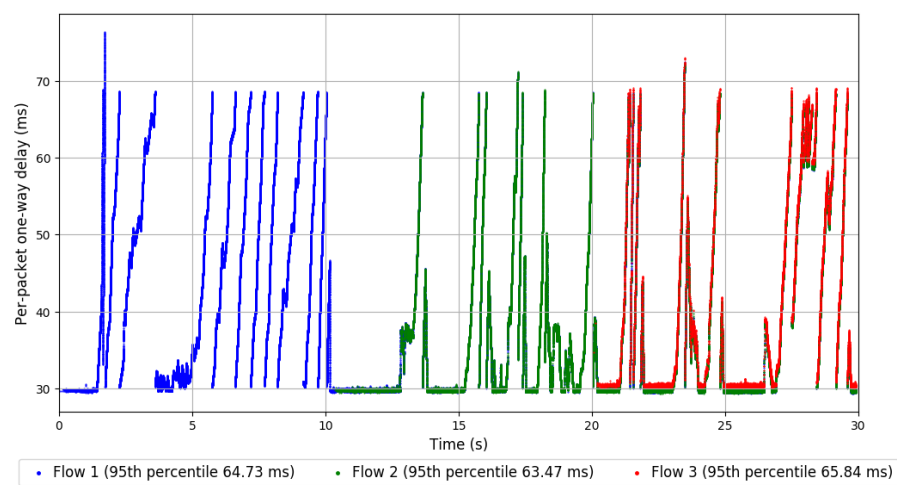
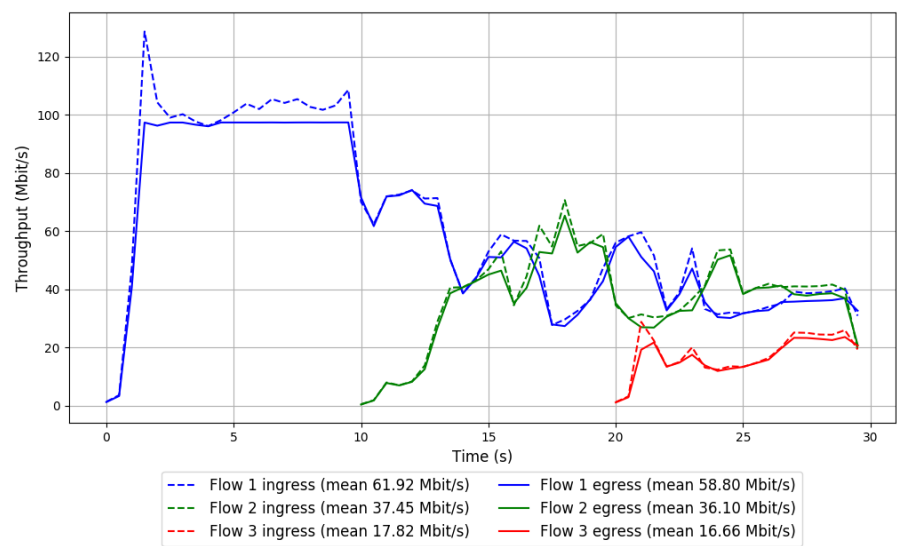


Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 21:28:02
End at: 2018-02-13 21:28:32
Local clock offset: -3.687 ms
Remote clock offset: 13.782 ms

Below is generated by plot.py at 2018-02-13 22:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 64.571 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 64.734 ms
Loss rate: 5.03%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 4.85%
-- Flow 3:
Average throughput: 16.66 Mbit/s
95th percentile per-packet one-way delay: 65.840 ms
Loss rate: 6.55%

Run 9: Report of Vivace-loss — Data Link

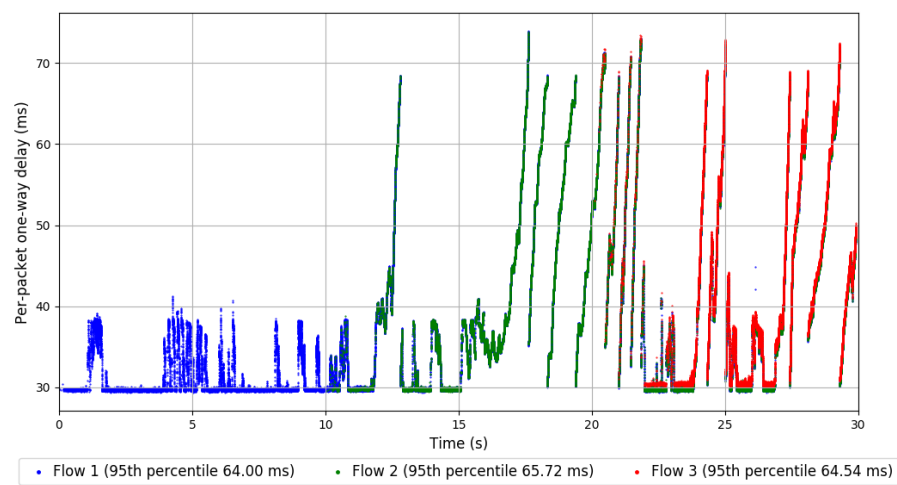
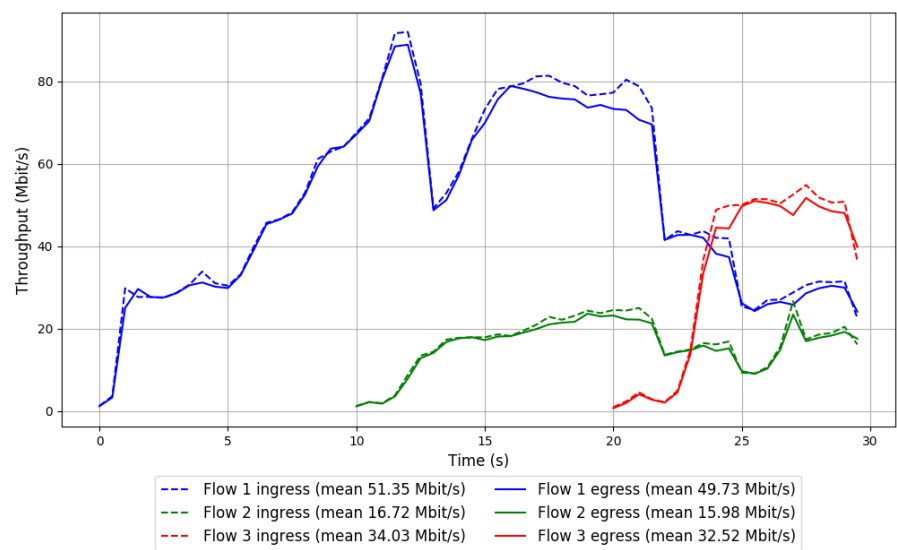


Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 21:54:06
End at: 2018-02-13 21:54:36
Local clock offset: -5.921 ms
Remote clock offset: 19.618 ms

Below is generated by plot.py at 2018-02-13 22:48:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 64.534 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 64.003 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 65.720 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 64.544 ms
Loss rate: 4.47%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-02-13 17:43:11

End at: 2018-02-13 17:43:41

Local clock offset: 1.299 ms

Remote clock offset: 8.124 ms

Below is generated by plot.py at 2018-02-13 22:48:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 62.653 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 59.68 Mbit/s

95th percentile per-packet one-way delay: 62.261 ms

Loss rate: 2.16%

-- Flow 2:

Average throughput: 35.68 Mbit/s

95th percentile per-packet one-way delay: 63.631 ms

Loss rate: 2.61%

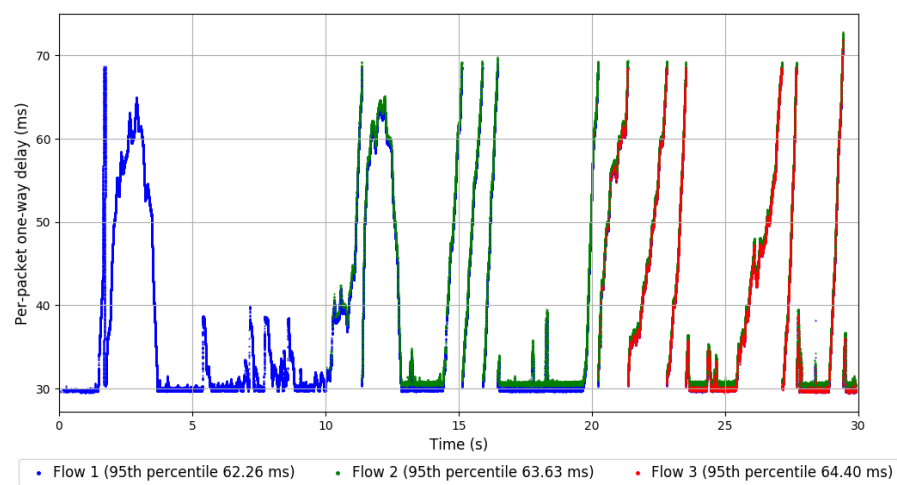
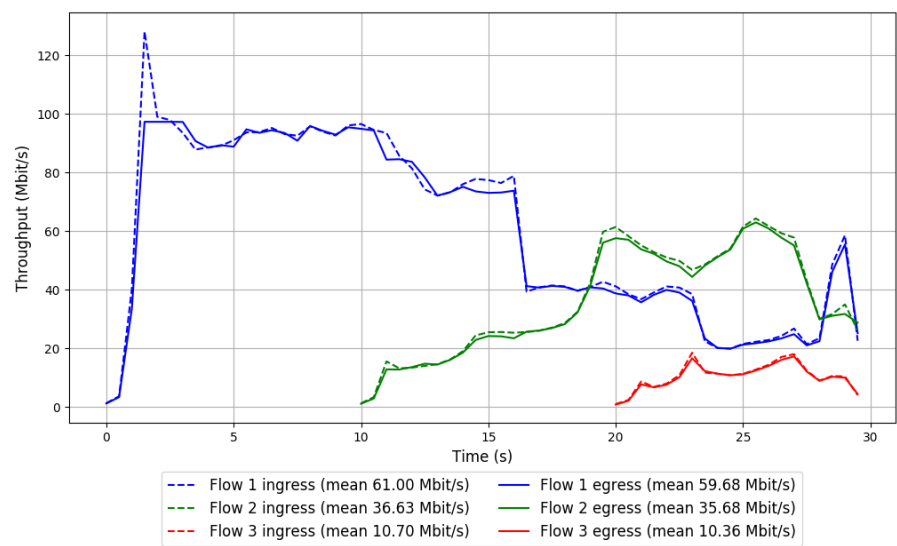
-- Flow 3:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 64.402 ms

Loss rate: 3.48%

Run 1: Report of Vivace-LTE — Data Link

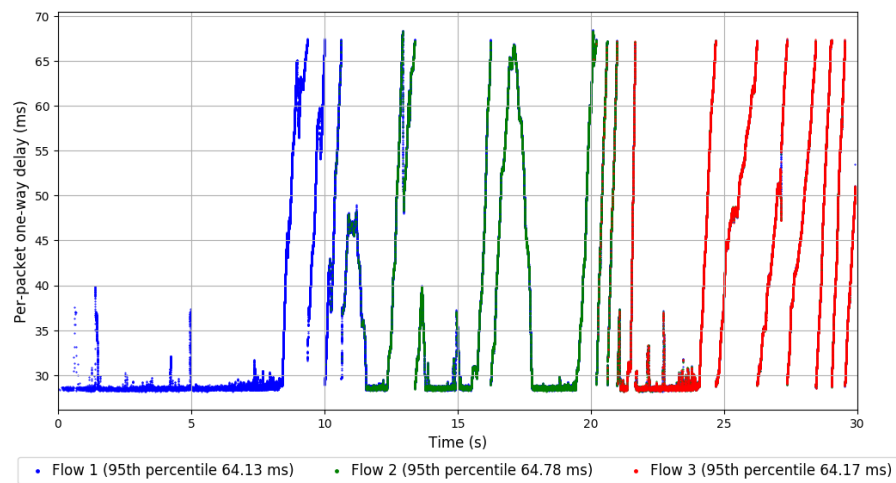
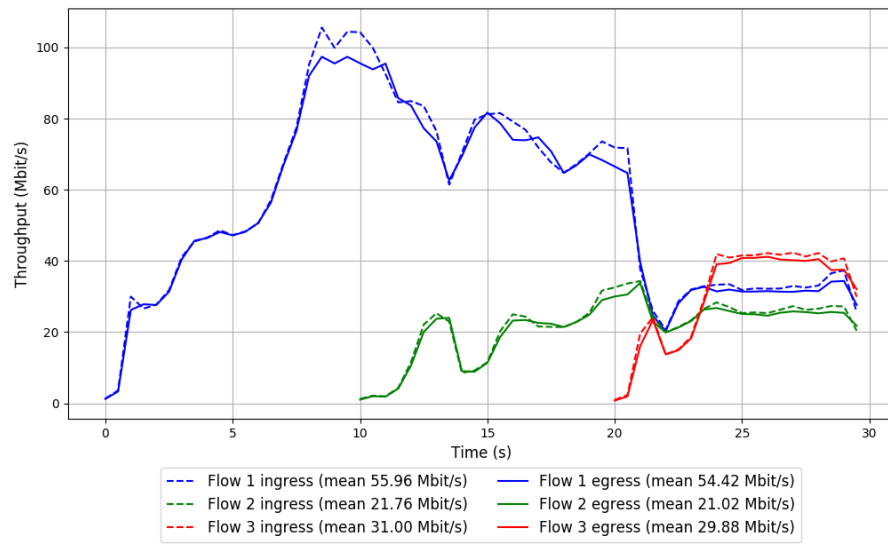


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-13 18:09:20
End at: 2018-02-13 18:09:50
Local clock offset: -2.96 ms
Remote clock offset: 18.535 ms

Below is generated by plot.py at 2018-02-13 22:48:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 64.270 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 64.126 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 64.784 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 64.172 ms
Loss rate: 3.77%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-13 18:35:21

End at: 2018-02-13 18:35:51

Local clock offset: 0.038 ms

Remote clock offset: 7.451 ms

Below is generated by plot.py at 2018-02-13 22:48:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 66.060 ms

Loss rate: 2.53%

-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 65.570 ms

Loss rate: 2.47%

-- Flow 2:

Average throughput: 39.85 Mbit/s

95th percentile per-packet one-way delay: 66.560 ms

Loss rate: 2.58%

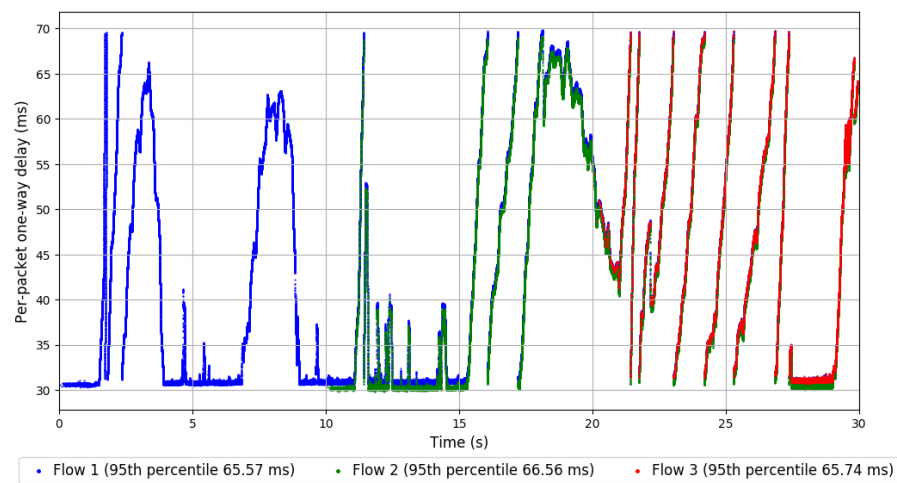
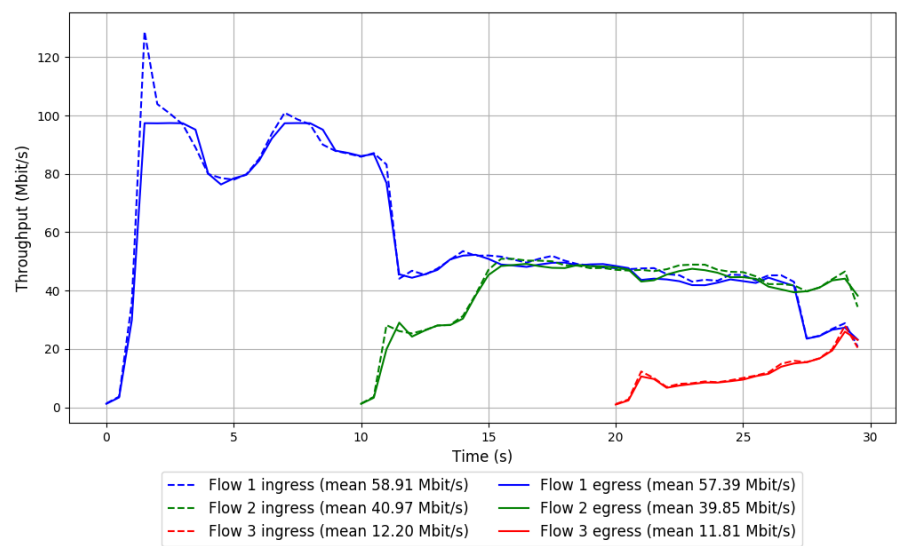
-- Flow 3:

Average throughput: 11.81 Mbit/s

95th percentile per-packet one-way delay: 65.737 ms

Loss rate: 3.12%

Run 3: Report of Vivace-LTE — Data Link

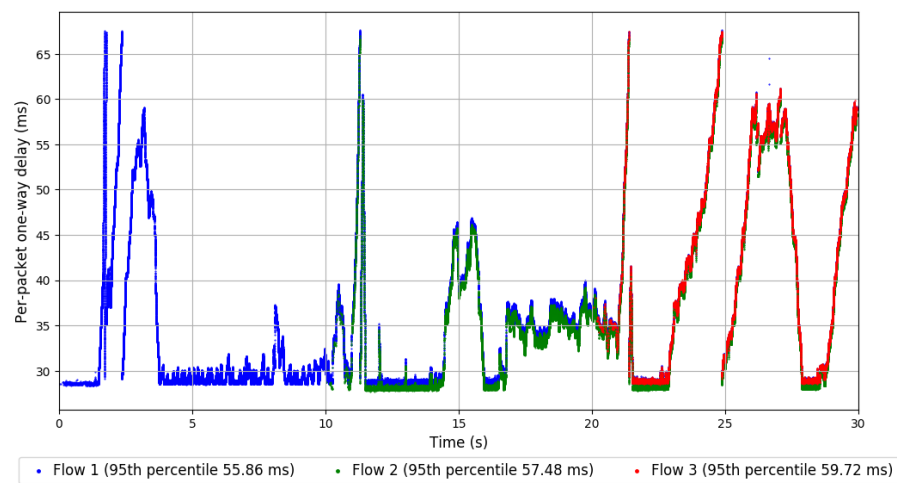
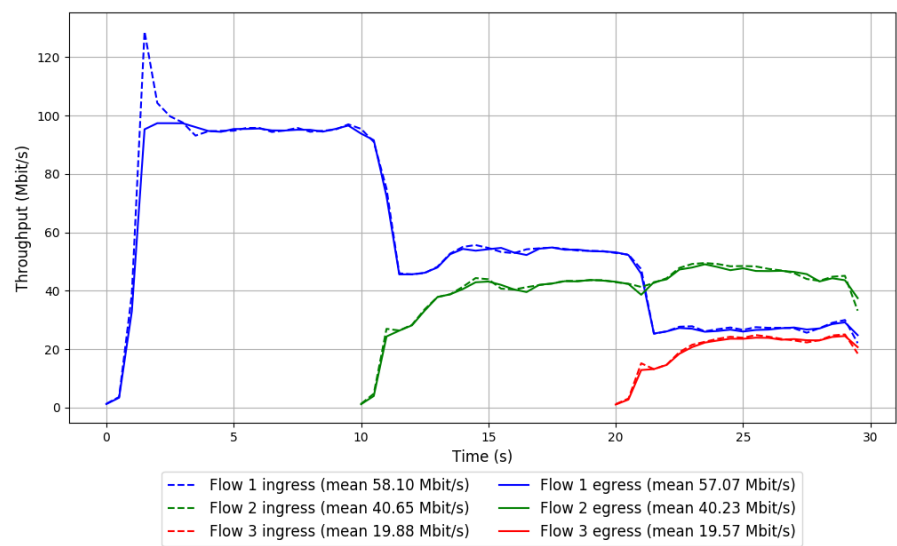


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-13 19:00:33
End at: 2018-02-13 19:01:03
Local clock offset: 1.822 ms
Remote clock offset: -2.653 ms

Below is generated by plot.py at 2018-02-13 22:49:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 57.237 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 55.856 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 57.475 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 59.721 ms
Loss rate: 1.37%

Run 4: Report of Vivace-LTE — Data Link

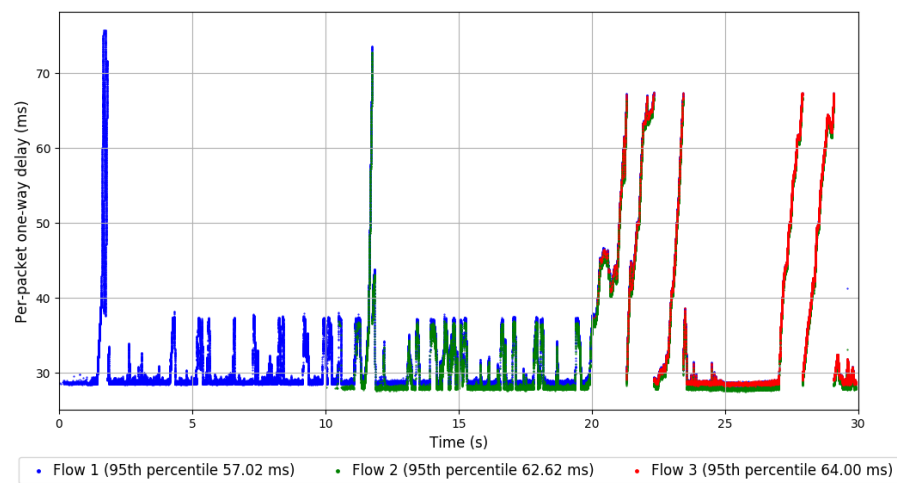
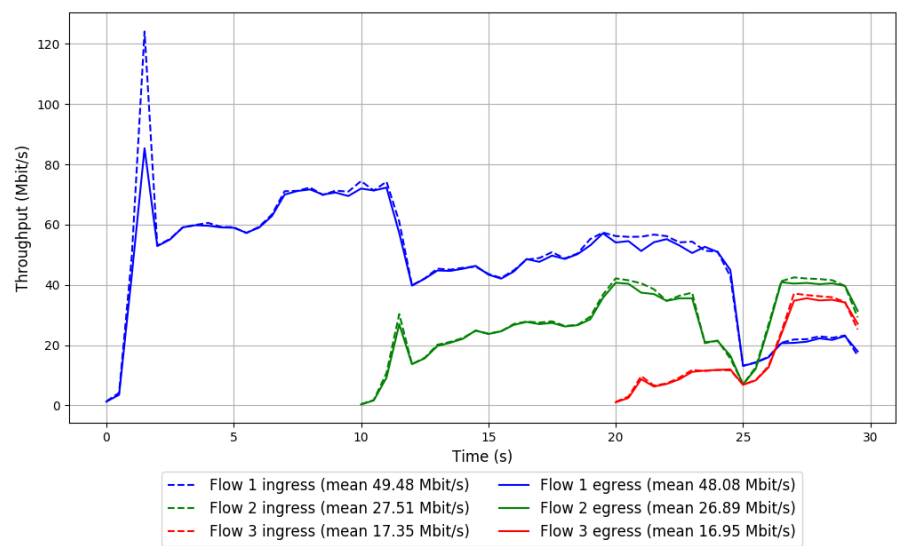


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-13 19:26:02
End at: 2018-02-13 19:26:32
Local clock offset: 1.794 ms
Remote clock offset: -10.369 ms

Below is generated by plot.py at 2018-02-13 22:49:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 61.469 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 57.018 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 62.625 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 64.001 ms
Loss rate: 2.38%

Run 5: Report of Vivace-LTE — Data Link

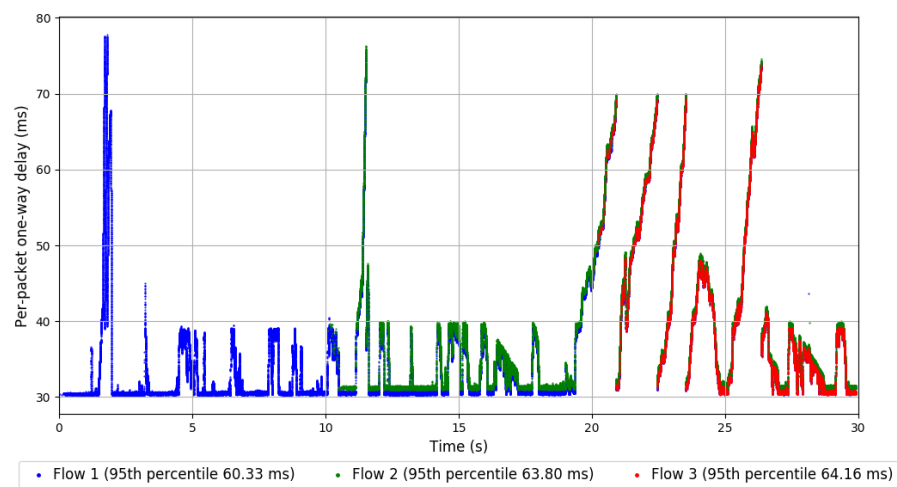
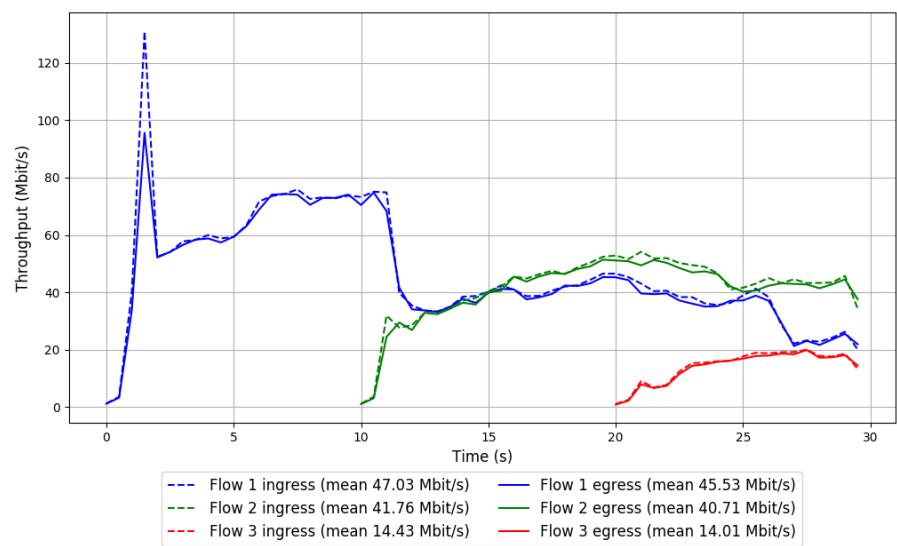


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-13 19:51:35
End at: 2018-02-13 19:52:05
Local clock offset: 1.457 ms
Remote clock offset: -8.633 ms

Below is generated by plot.py at 2018-02-13 22:49:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 62.441 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 45.53 Mbit/s
95th percentile per-packet one-way delay: 60.330 ms
Loss rate: 3.19%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 63.800 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 3.12%

Run 6: Report of Vivace-LTE — Data Link

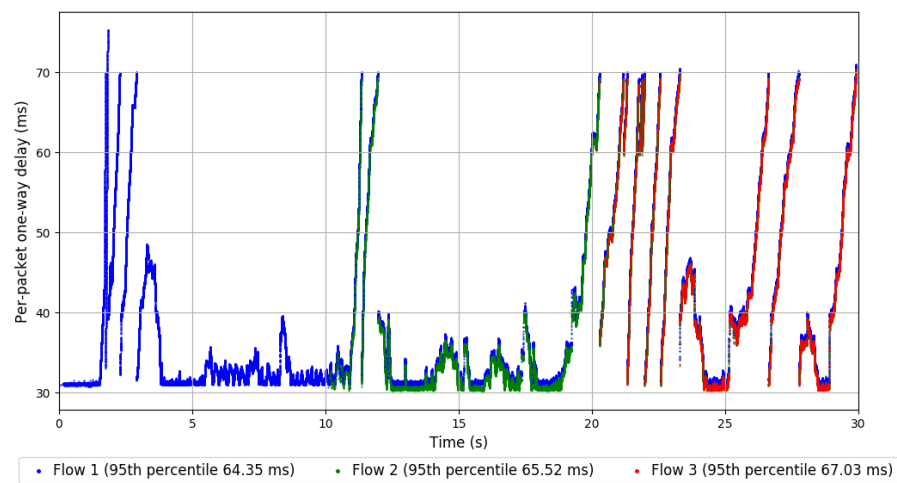
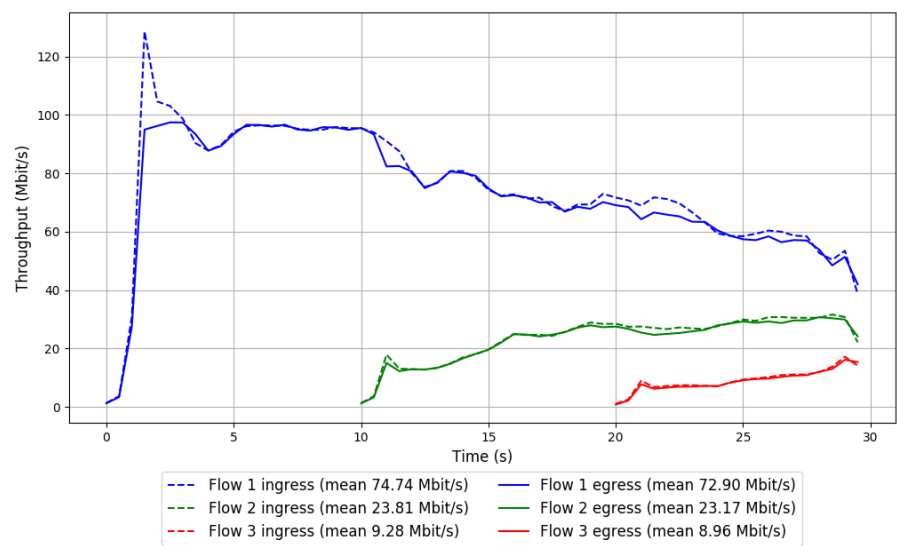


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 20:17:32
End at: 2018-02-13 20:18:02
Local clock offset: 0.187 ms
Remote clock offset: -6.859 ms

Below is generated by plot.py at 2018-02-13 22:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 64.850 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 72.90 Mbit/s
95th percentile per-packet one-way delay: 64.349 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 65.521 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 67.025 ms
Loss rate: 3.62%

Run 7: Report of Vivace-LTE — Data Link

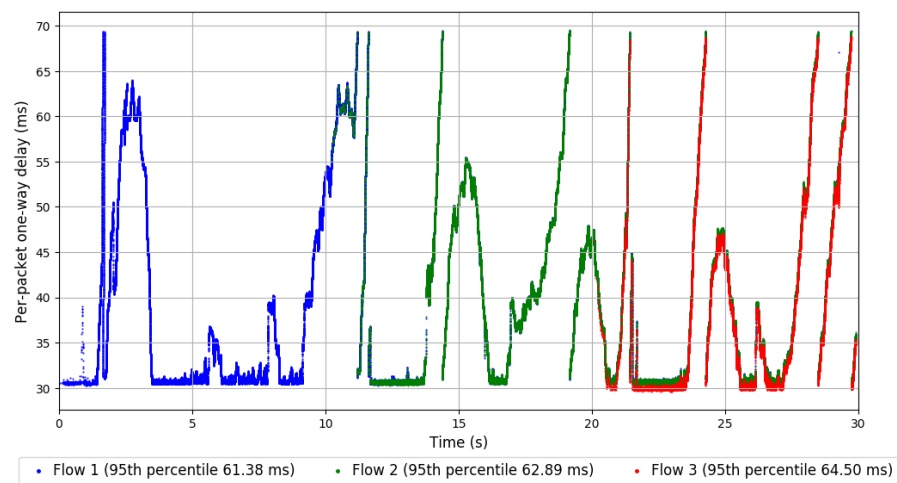
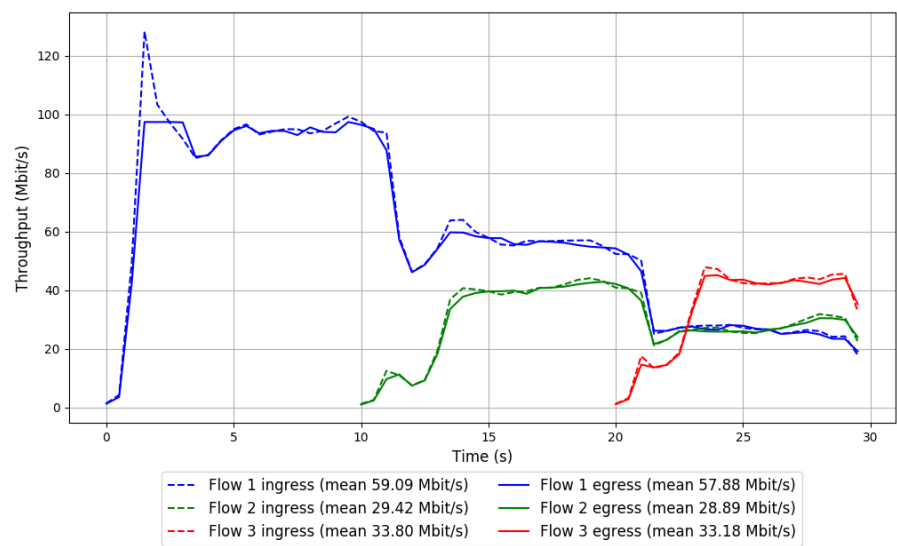


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 20:42:41
End at: 2018-02-13 20:43:11
Local clock offset: -0.857 ms
Remote clock offset: -5.489 ms

Below is generated by plot.py at 2018-02-13 22:49:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 61.902 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 61.384 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 62.894 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 64.499 ms
Loss rate: 1.95%

Run 8: Report of Vivace-LTE — Data Link

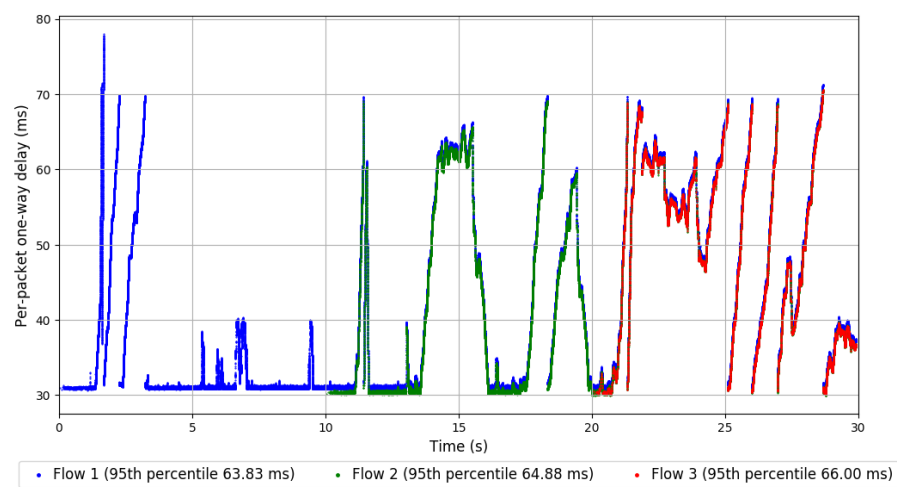
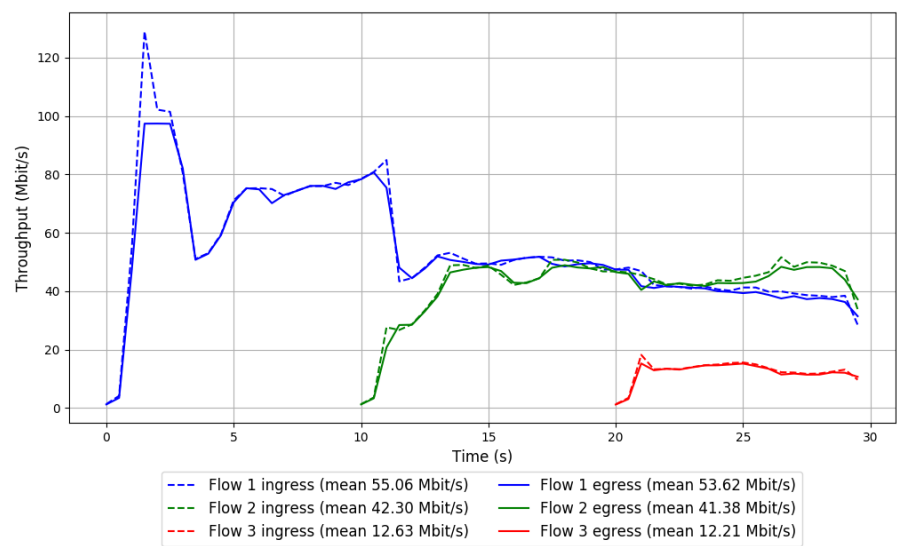


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 21:08:08
End at: 2018-02-13 21:08:38
Local clock offset: -0.147 ms
Remote clock offset: -4.377 ms

Below is generated by plot.py at 2018-02-13 22:49:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 64.421 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 63.830 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 64.876 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 65.995 ms
Loss rate: 3.27%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 21:33:53
End at: 2018-02-13 21:34:23
Local clock offset: -4.451 ms
Remote clock offset: 16.057 ms

Below is generated by plot.py at 2018-02-13 22:49:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 58.884 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 72.52 Mbit/s
95th percentile per-packet one-way delay: 58.248 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 62.630 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 64.219 ms
Loss rate: 3.05%

Run 10: Report of Vivace-LTE — Data Link

