

Pantheon Report

Generated at 2018-04-04 03:22:43 (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).

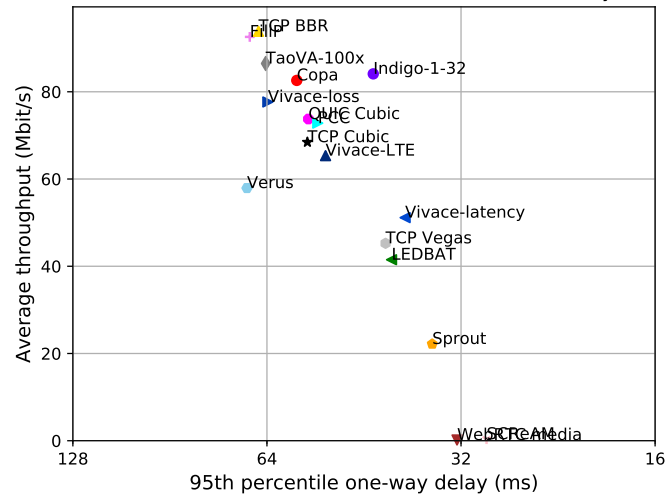
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

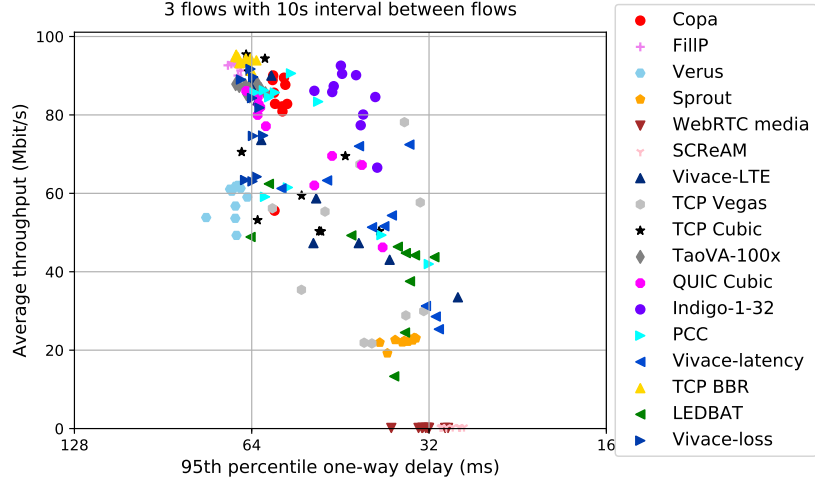
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



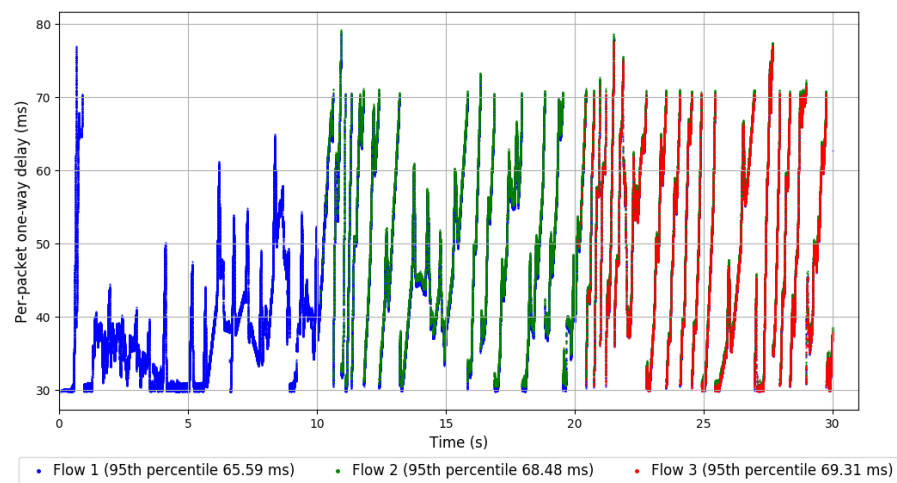
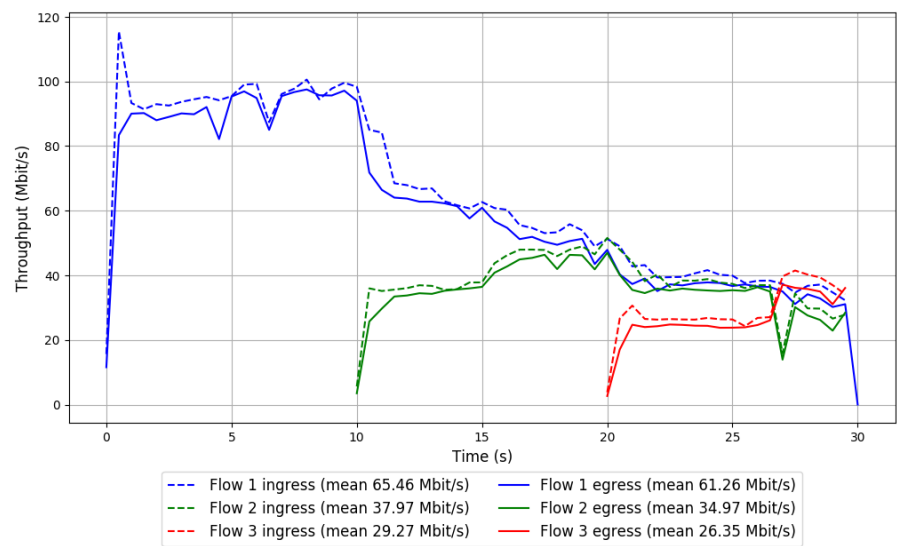
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.56	36.92	29.68	64.71	67.06	67.05	5.66	7.89	8.27
TCP Cubic	10	36.60	27.66	40.51	57.02	51.69	52.53	0.56	0.69	0.67
LEDBAT	10	24.32	19.29	13.20	40.29	41.54	40.04	0.21	0.24	0.22
PCC	10	51.27	29.01	6.81	52.56	53.88	55.84	1.49	1.76	2.31
QUIC Cubic	10	45.72	27.45	29.88	55.71	54.20	55.89	1.32	1.21	1.76
SCReAM	10	0.17	0.19	0.20	28.82	29.16	28.98	0.24	0.15	0.25
WebRTC media	10	0.06	0.06	0.05	31.66	32.40	32.38	0.03	0.67	0.06
Sprout	10	11.24	11.16	10.66	35.21	35.55	35.83	0.75	0.76	0.70
TaoVA-100x	10	51.52	39.49	26.22	61.69	65.61	66.91	11.83	20.85	18.43
TCP Vegas	10	20.29	25.64	23.79	38.32	39.69	39.42	1.40	1.07	0.80
Verus	10	35.05	26.82	18.65	68.53	67.81	63.69	39.70	39.19	37.64
Copa	10	73.93	13.05	0.00	54.72	54.57	51.24	79.22	77.43	68.87
FillP	10	52.71	41.61	36.88	65.82	69.14	68.50	13.14	21.93	21.47
Indigo-1-32	10	54.43	30.82	28.98	41.34	44.96	48.81	0.79	1.08	1.53
Vivace-latency	10	35.59	18.98	8.92	38.75	39.37	40.15	0.35	0.35	0.35
Vivace-loss	10	60.51	17.09	17.57	63.04	64.66	65.33	4.37	5.38	6.05
Vivace-LTE	10	49.58	17.89	11.79	50.50	52.00	52.46	1.69	1.53	1.80

Run 1: Statistics of TCP BBR

Start at: 2018-04-03 21:34:10
End at: 2018-04-03 21:34:40
Local clock offset: 0.874 ms
Remote clock offset: -2.192 ms

Below is generated by plot.py at 2018-04-04 02:53:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 66.997 ms
Loss rate: 7.10%
-- Flow 1:
Average throughput: 61.26 Mbit/s
95th percentile per-packet one-way delay: 65.593 ms
Loss rate: 6.37%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 68.481 ms
Loss rate: 7.88%
-- Flow 3:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 69.308 ms
Loss rate: 10.02%

Run 1: Report of TCP BBR — Data Link

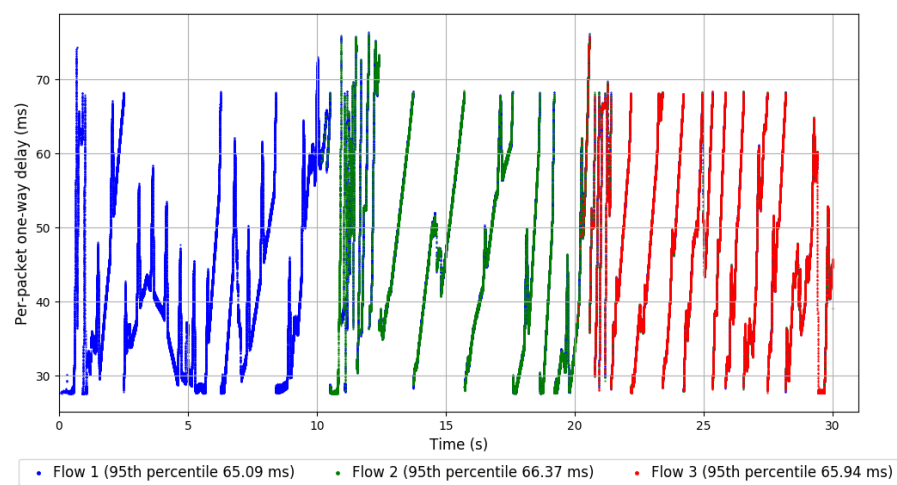
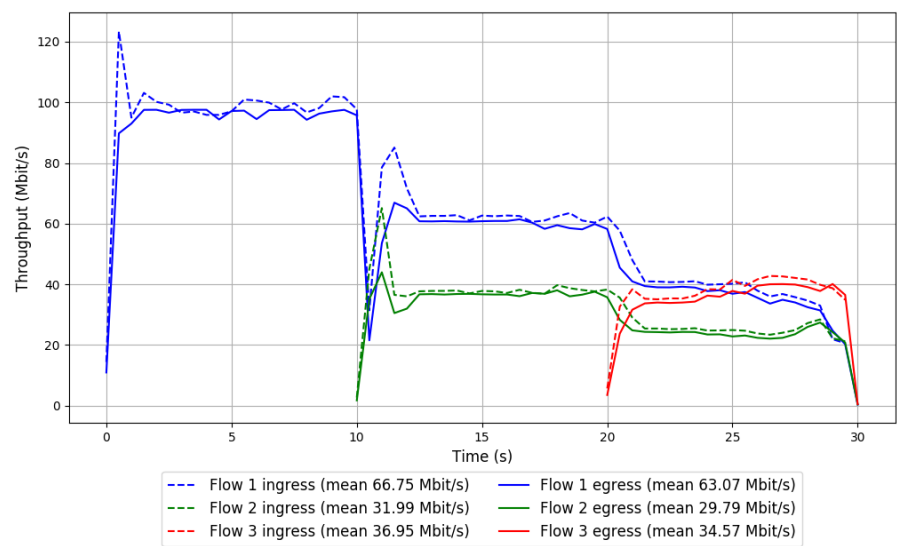


Run 2: Statistics of TCP BBR

Start at: 2018-04-03 22:03:43
End at: 2018-04-03 22:04:13
Local clock offset: 0.895 ms
Remote clock offset: -8.437 ms

Below is generated by plot.py at 2018-04-04 02:53:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 65.502 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 65.094 ms
Loss rate: 5.45%
-- Flow 2:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 66.372 ms
Loss rate: 7.00%
-- Flow 3:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 65.941 ms
Loss rate: 6.32%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-04-03 22:35:21

End at: 2018-04-03 22:35:51

Local clock offset: 1.151 ms

Remote clock offset: -1.8 ms

Below is generated by plot.py at 2018-04-04 02:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 67.515 ms

Loss rate: 7.39%

-- Flow 1:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 66.349 ms

Loss rate: 6.70%

-- Flow 2:

Average throughput: 42.51 Mbit/s

95th percentile per-packet one-way delay: 68.568 ms

Loss rate: 8.36%

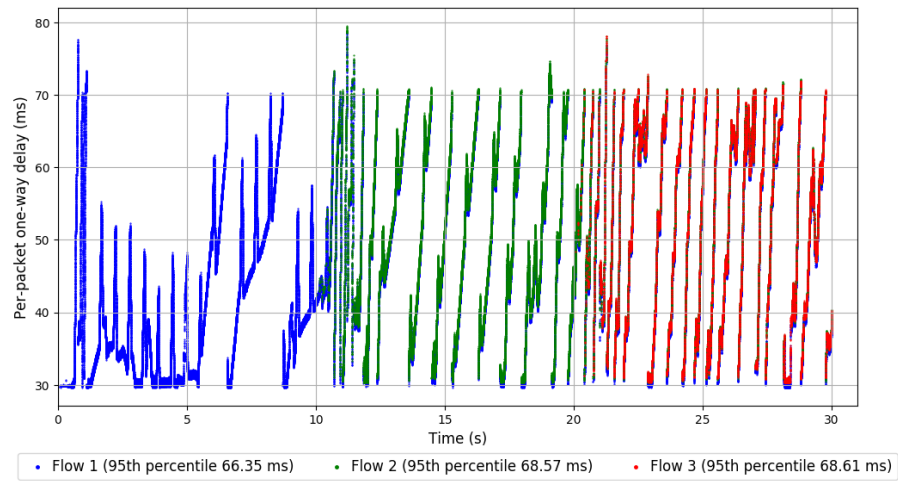
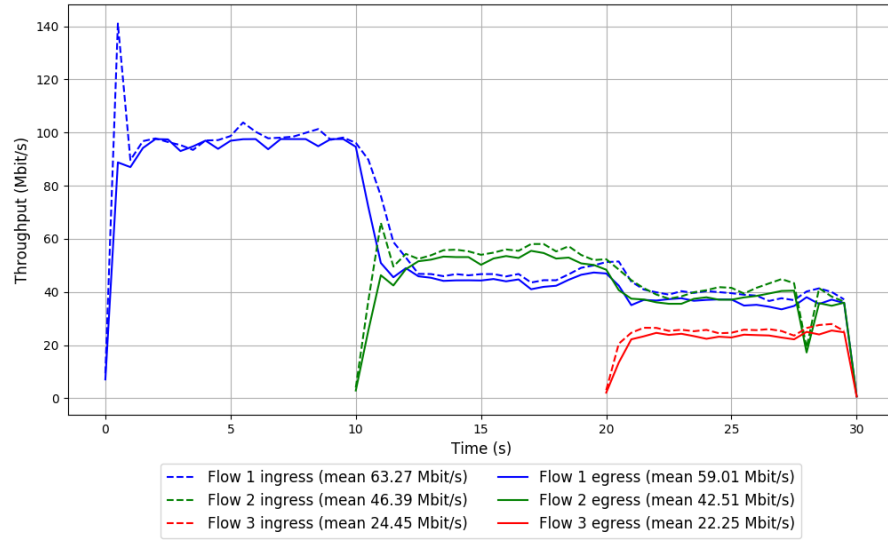
-- Flow 3:

Average throughput: 22.25 Mbit/s

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

Loss rate: 9.07%

Run 3: Report of TCP BBR — Data Link

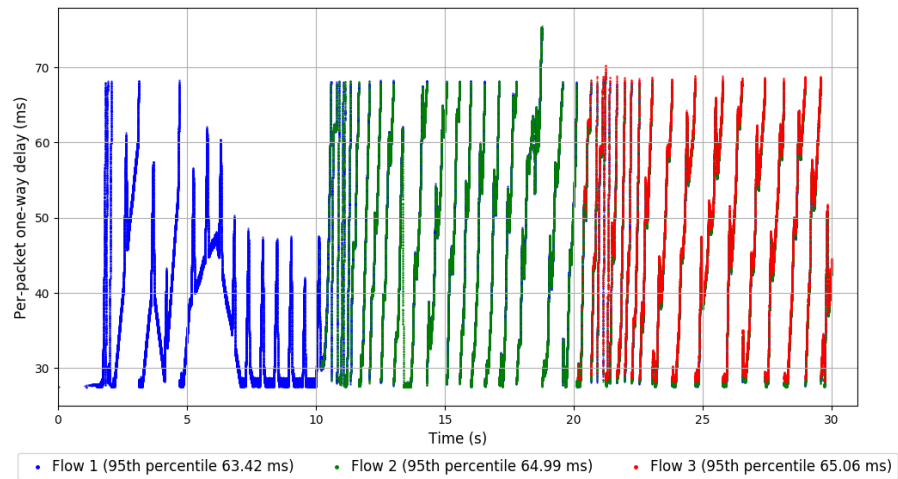
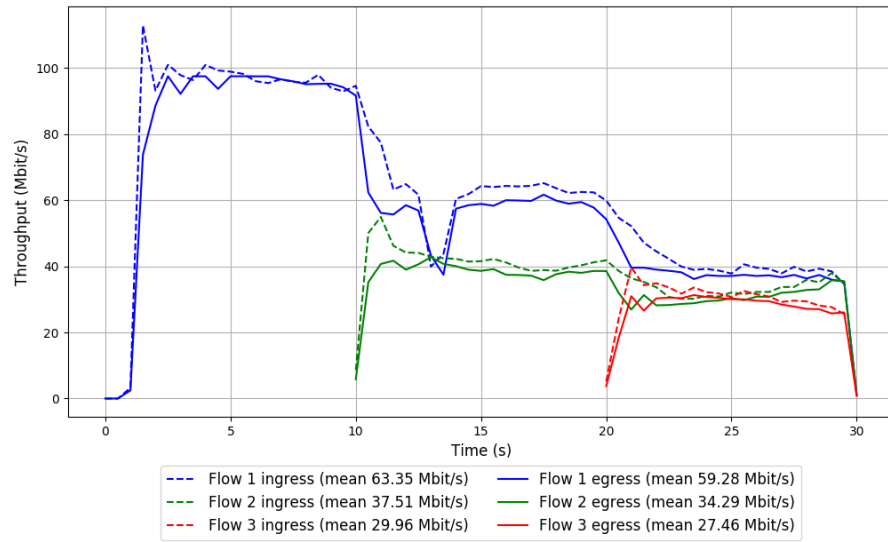


Run 4: Statistics of TCP BBR

Start at: 2018-04-03 23:08:20
End at: 2018-04-03 23:08:50
Local clock offset: 1.245 ms
Remote clock offset: -2.406 ms

Below is generated by plot.py at 2018-04-04 02:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 64.083 ms
Loss rate: 7.14%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 63.421 ms
Loss rate: 6.38%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 64.993 ms
Loss rate: 8.52%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 65.055 ms
Loss rate: 8.52%

Run 4: Report of TCP BBR — Data Link

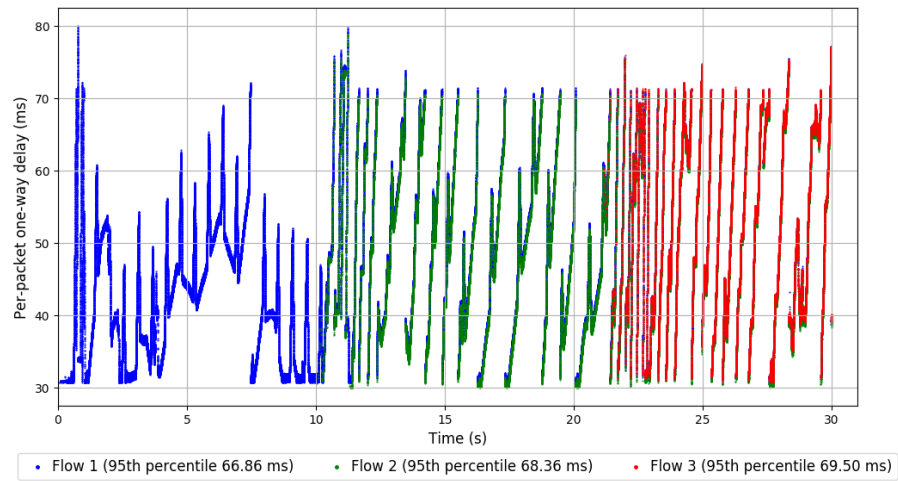
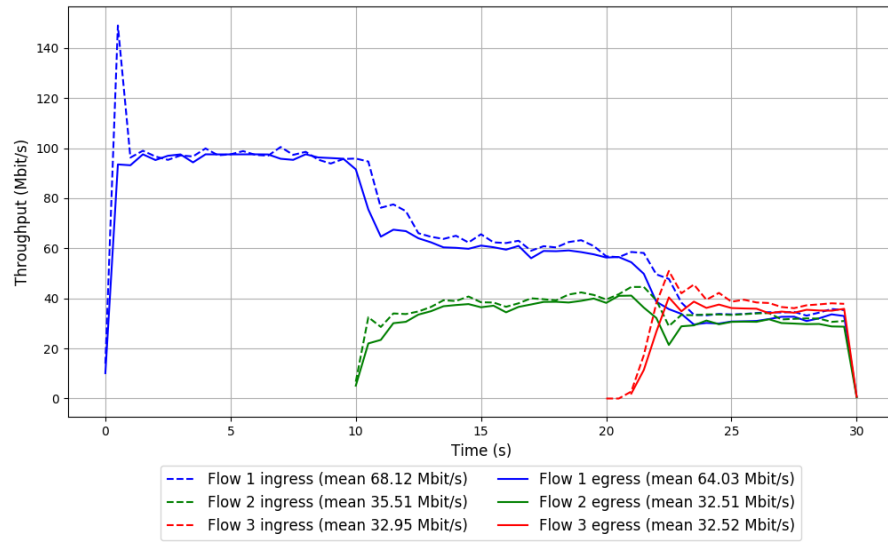


Run 5: Statistics of TCP BBR

Start at: 2018-04-03 23:41:23
End at: 2018-04-03 23:41:53
Local clock offset: 0.97 ms
Remote clock offset: -2.876 ms

Below is generated by plot.py at 2018-04-04 02:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 67.995 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 66.858 ms
Loss rate: 5.98%
-- Flow 2:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 68.355 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 69.503 ms
Loss rate: 11.47%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-04 00:13:02

End at: 2018-04-04 00:13:32

Local clock offset: 0.446 ms

Remote clock offset: -0.67 ms

Below is generated by plot.py at 2018-04-04 02:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 67.133 ms

Loss rate: 7.12%

-- Flow 1:

Average throughput: 53.39 Mbit/s

95th percentile per-packet one-way delay: 64.975 ms

Loss rate: 5.31%

-- Flow 2:

Average throughput: 39.98 Mbit/s

95th percentile per-packet one-way delay: 67.973 ms

Loss rate: 9.62%

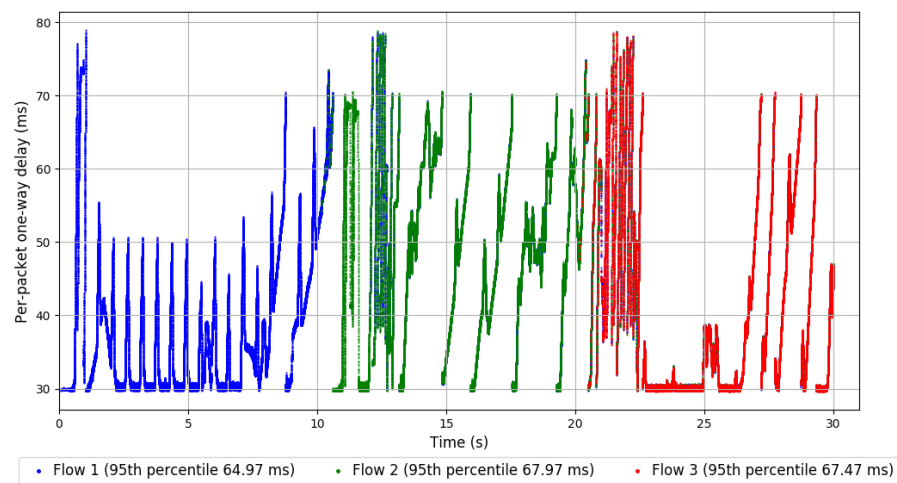
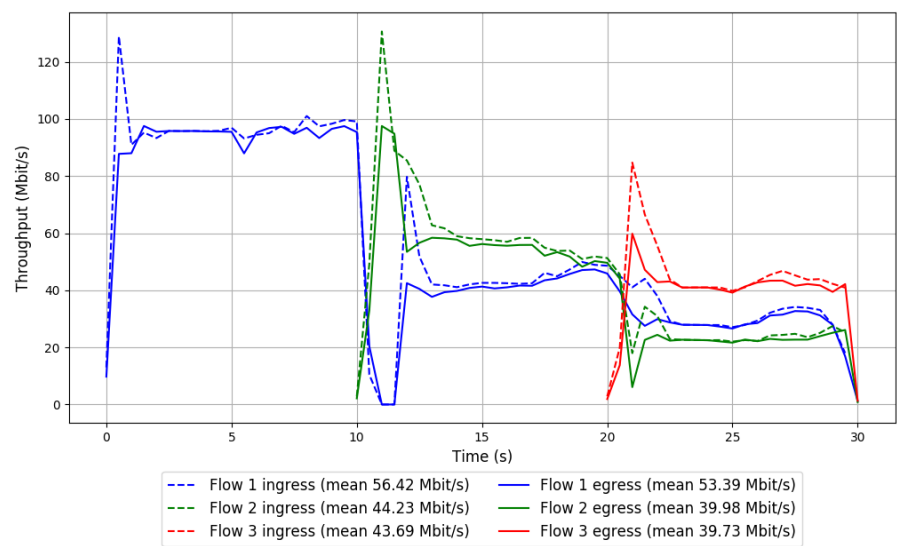
-- Flow 3:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 67.466 ms

Loss rate: 9.13%

Run 6: Report of TCP BBR — Data Link

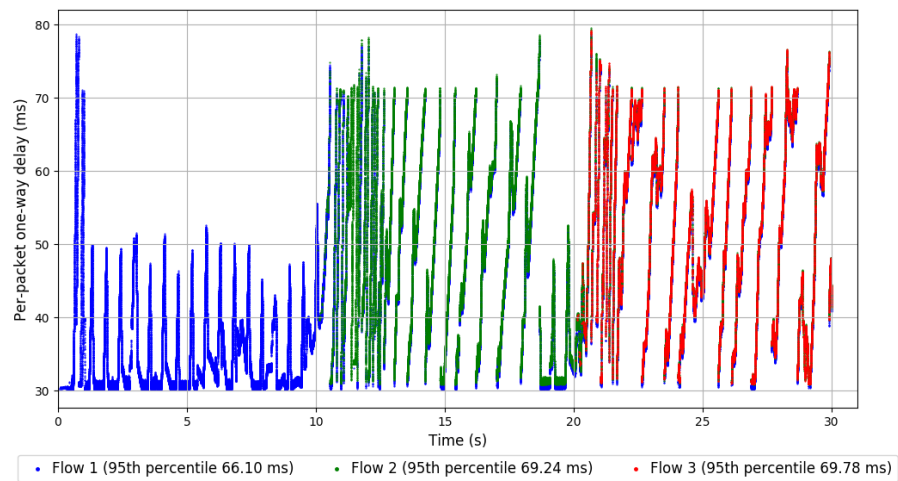
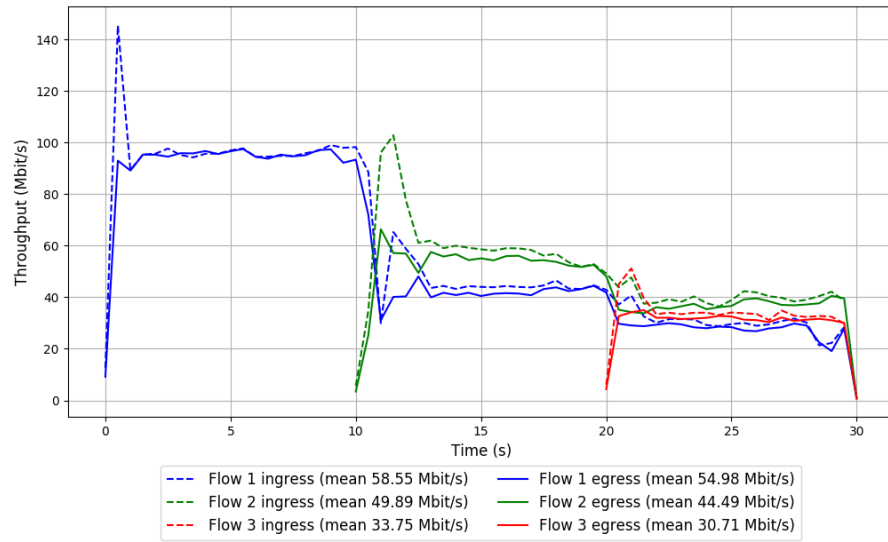


Run 7: Statistics of TCP BBR

Start at: 2018-04-04 00:45:25
End at: 2018-04-04 00:45:55
Local clock offset: 0.493 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-04-04 02:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 68.191 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 66.101 ms
Loss rate: 6.06%
-- Flow 2:
Average throughput: 44.49 Mbit/s
95th percentile per-packet one-way delay: 69.244 ms
Loss rate: 10.89%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 69.776 ms
Loss rate: 8.94%

Run 7: Report of TCP BBR — Data Link

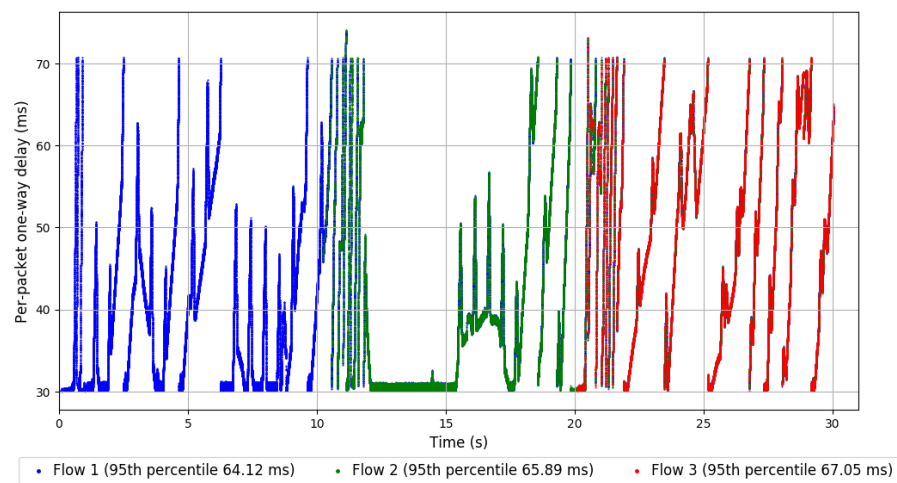
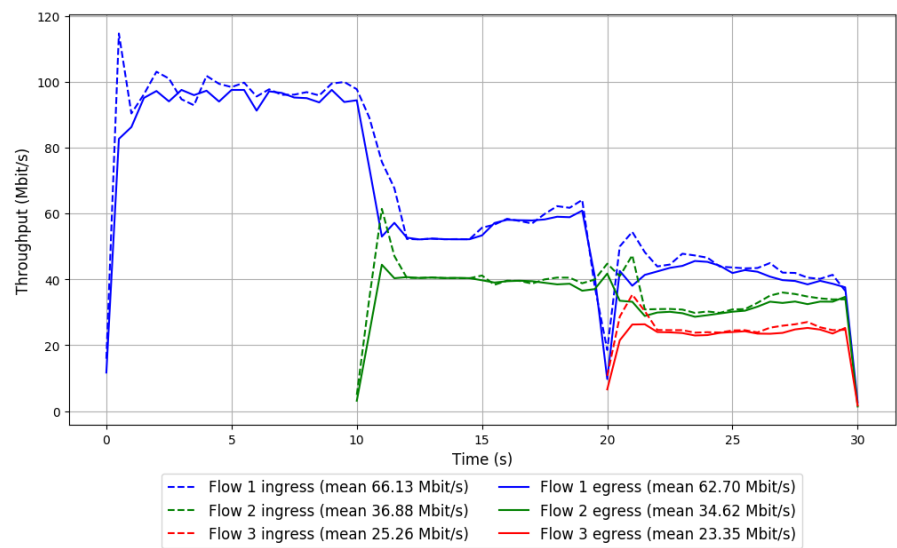


Run 8: Statistics of TCP BBR

Start at: 2018-04-04 01:16:32
End at: 2018-04-04 01:17:02
Local clock offset: 0.528 ms
Remote clock offset: -1.472 ms

Below is generated by plot.py at 2018-04-04 02:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 65.042 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 62.70 Mbit/s
95th percentile per-packet one-way delay: 64.123 ms
Loss rate: 5.08%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 65.890 ms
Loss rate: 6.09%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 67.045 ms
Loss rate: 7.23%

Run 8: Report of TCP BBR — Data Link

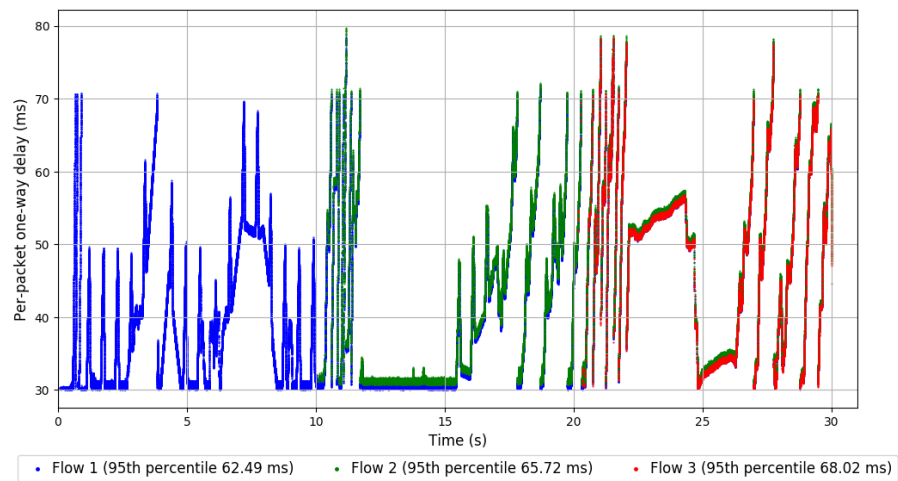
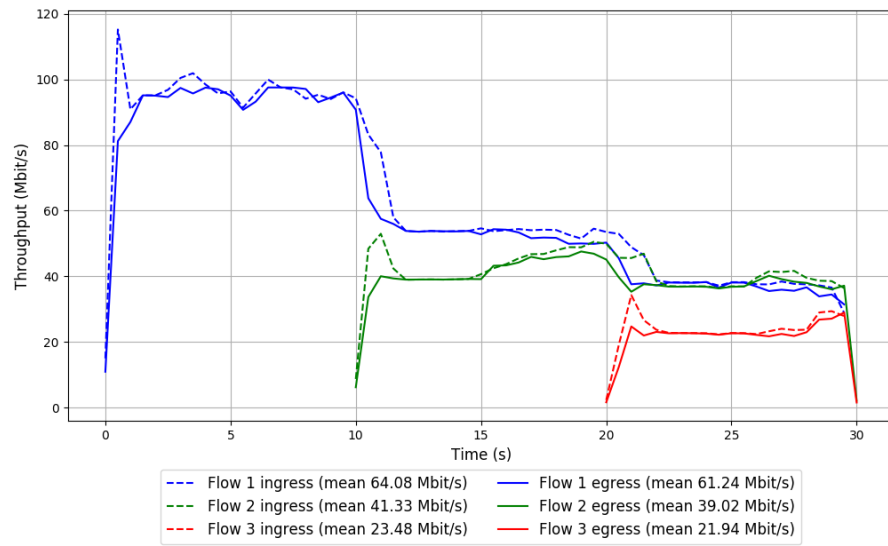


Run 9: Statistics of TCP BBR

Start at: 2018-04-04 01:46:31
End at: 2018-04-04 01:47:01
Local clock offset: 0.294 ms
Remote clock offset: -1.616 ms

Below is generated by plot.py at 2018-04-04 02:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 64.283 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 62.490 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 65.717 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 68.016 ms
Loss rate: 6.56%

Run 9: Report of TCP BBR — Data Link

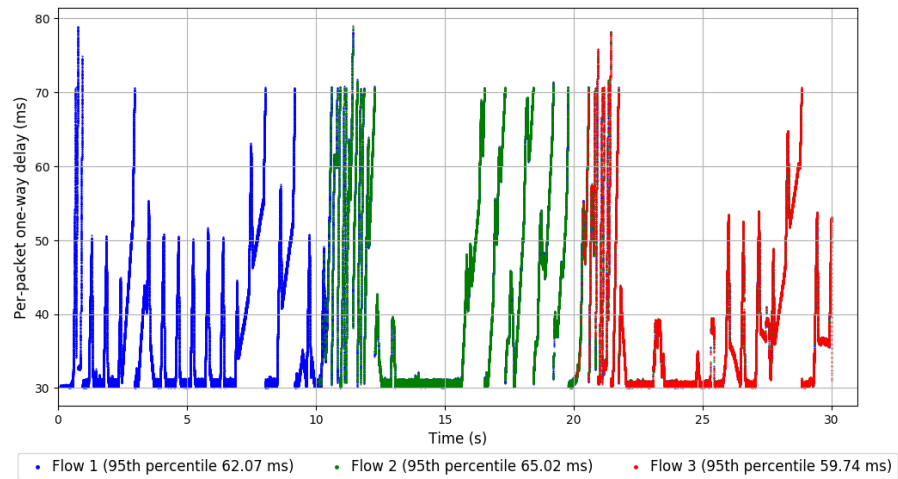
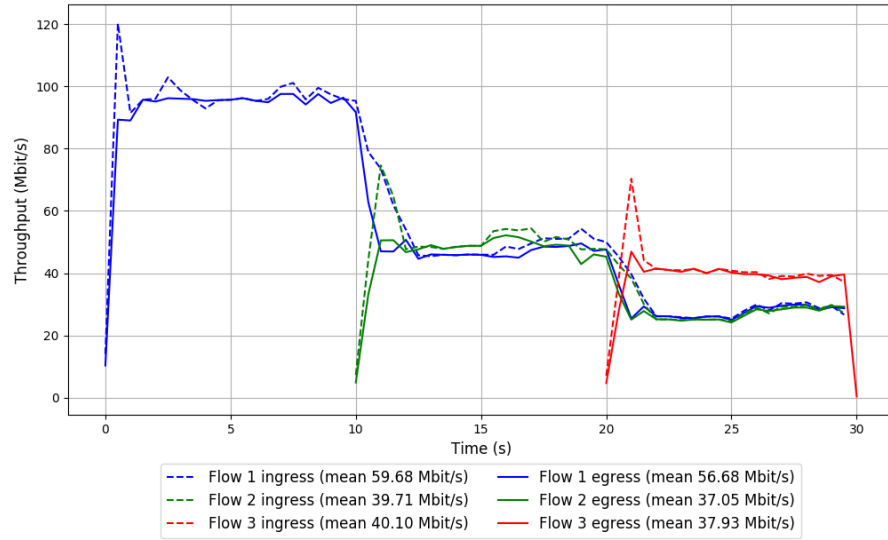


Run 10: Statistics of TCP BBR

Start at: 2018-04-04 02:14:42
End at: 2018-04-04 02:15:12
Local clock offset: -0.079 ms
Remote clock offset: -0.542 ms

Below is generated by plot.py at 2018-04-04 02:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 62.841 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 62.069 ms
Loss rate: 4.96%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 65.020 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 59.743 ms
Loss rate: 5.41%

Run 10: Report of TCP BBR — Data Link

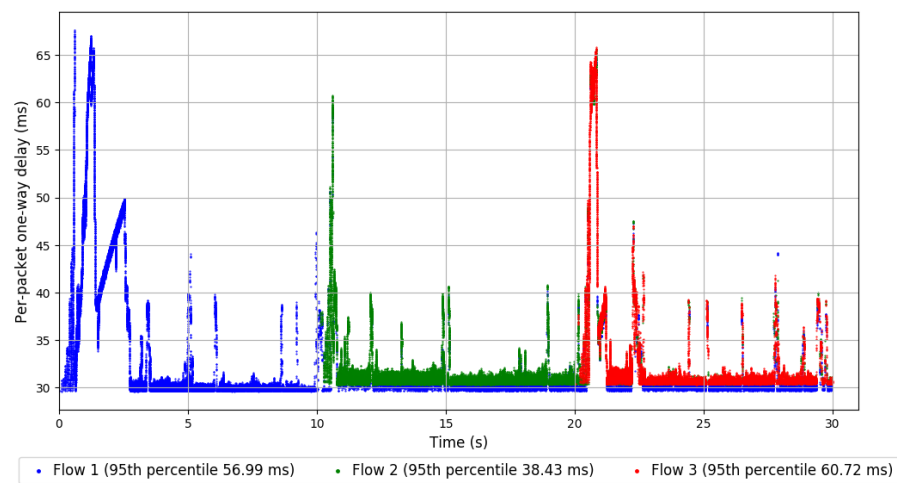
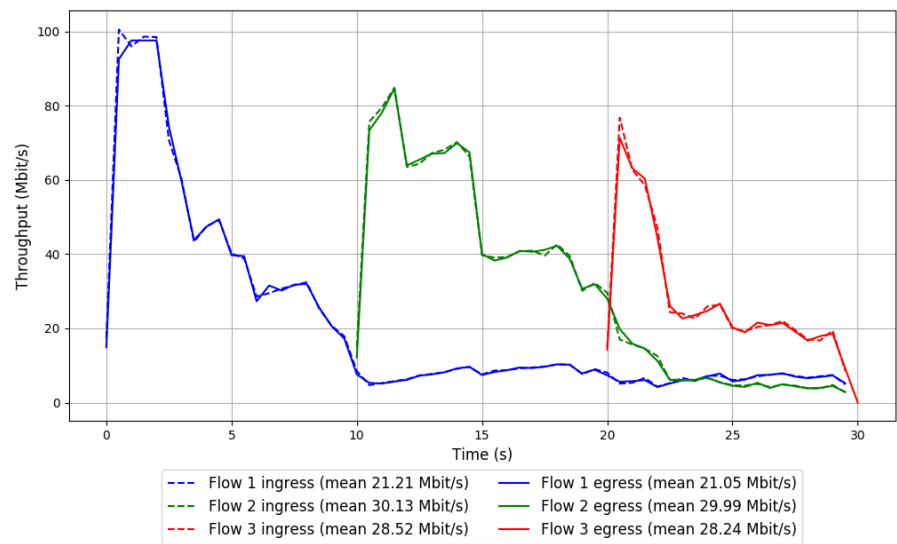


Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 21:38:50
End at: 2018-04-03 21:39:20
Local clock offset: 0.901 ms
Remote clock offset: -2.504 ms

Below is generated by plot.py at 2018-04-04 02:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 49.149 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 21.05 Mbit/s
95th percentile per-packet one-way delay: 56.995 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 38.433 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 60.722 ms
Loss rate: 0.97%

Run 1: Report of TCP Cubic — Data Link

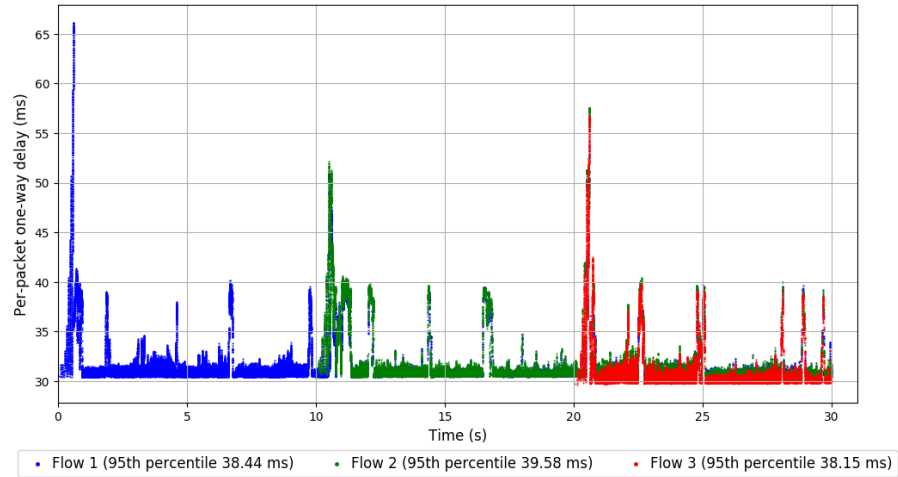
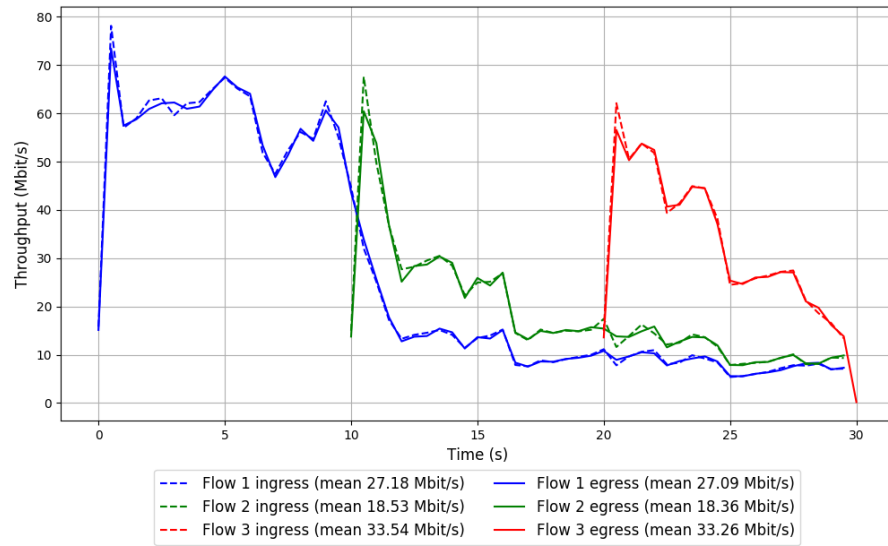


Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 22:08:22
End at: 2018-04-03 22:08:52
Local clock offset: 0.844 ms
Remote clock offset: -6.872 ms

Below is generated by plot.py at 2018-04-04 02:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 38.882 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 38.444 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 39.584 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 38.147 ms
Loss rate: 0.83%

Run 2: Report of TCP Cubic — Data Link

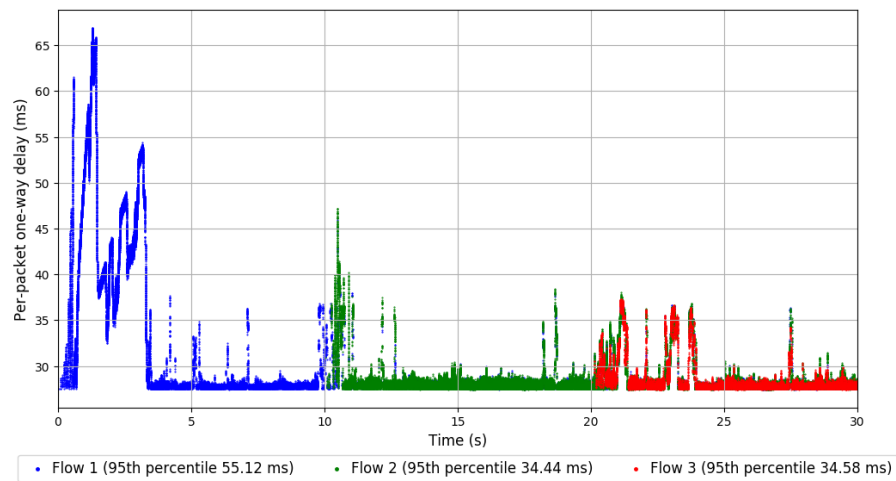
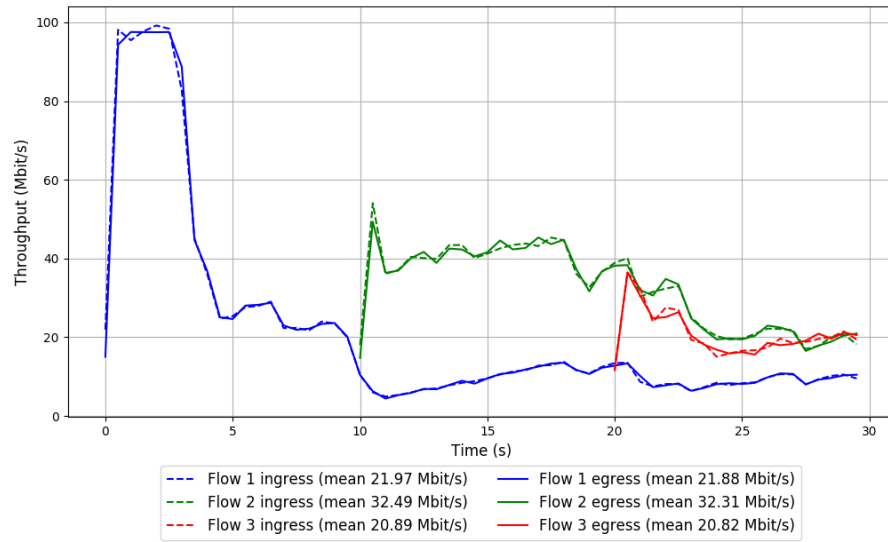


Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 22:40:39
End at: 2018-04-03 22:41:09
Local clock offset: 1.293 ms
Remote clock offset: -3.271 ms

Below is generated by plot.py at 2018-04-04 02:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 48.803 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 55.123 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 34.443 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 34.583 ms
Loss rate: 0.34%

Run 3: Report of TCP Cubic — Data Link

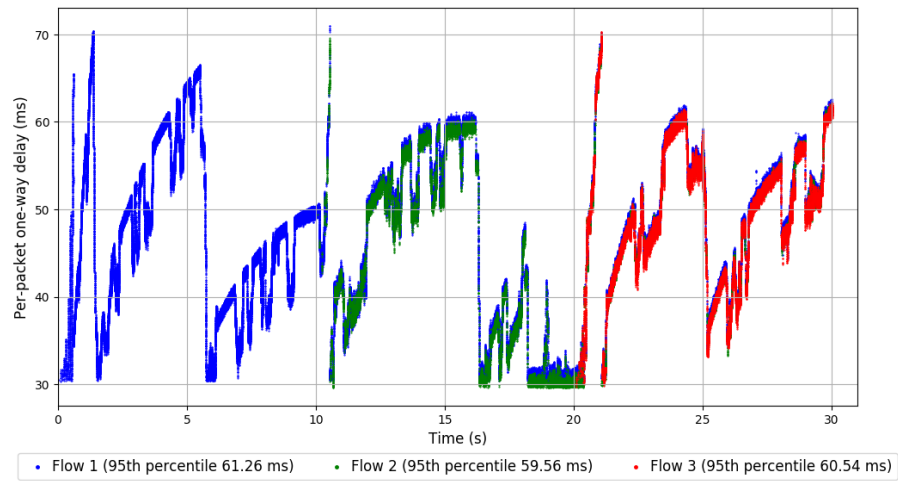
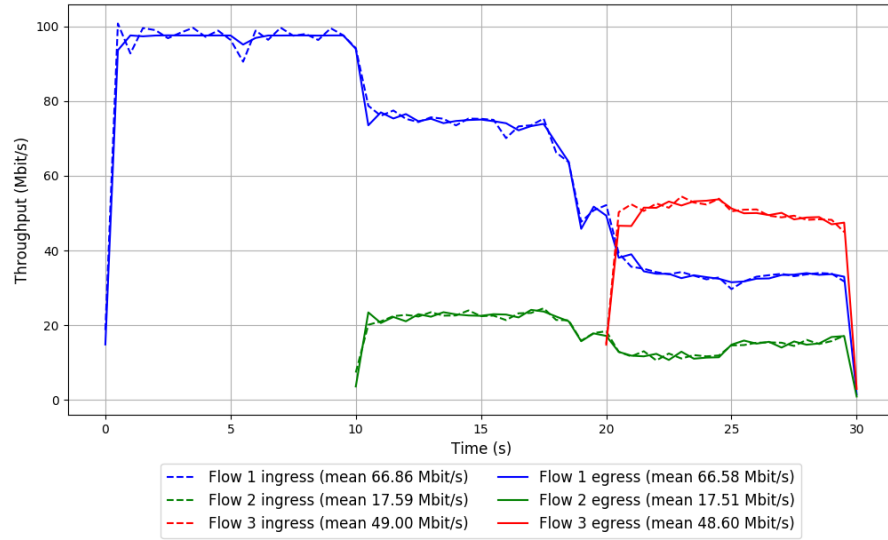


Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 23:13:27
End at: 2018-04-03 23:13:57
Local clock offset: 1.111 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-04-04 02:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 60.775 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 61.263 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 59.563 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 60.536 ms
Loss rate: 0.50%

Run 4: Report of TCP Cubic — Data Link

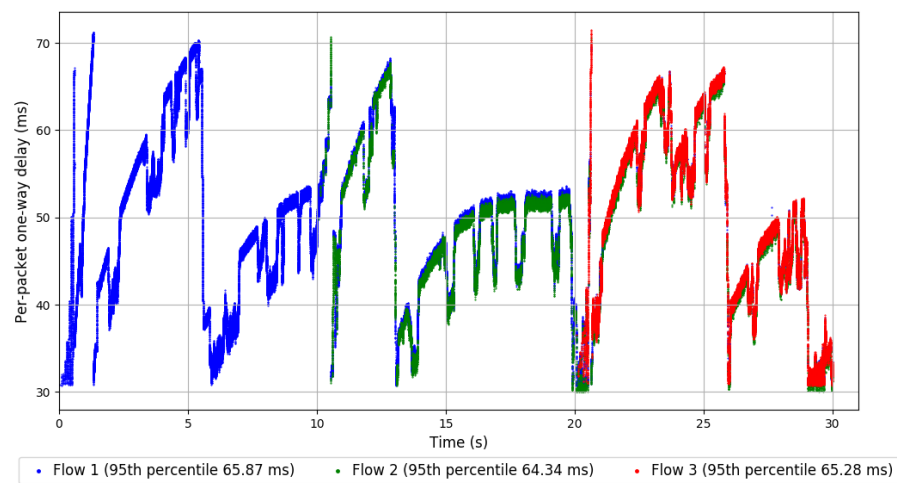
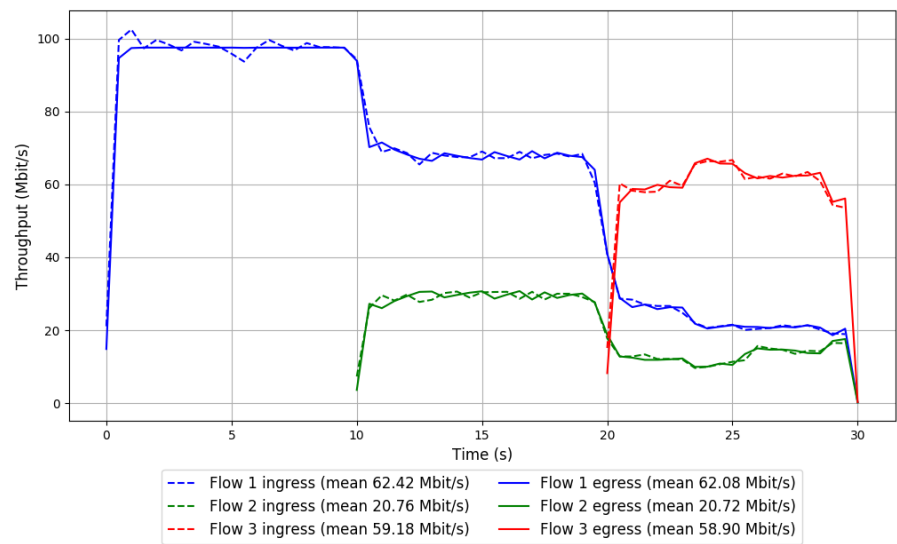


Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 23:46:31
End at: 2018-04-03 23:47:01
Local clock offset: 0.883 ms
Remote clock offset: -3.081 ms

Below is generated by plot.py at 2018-04-04 02:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 65.407 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 62.08 Mbit/s
95th percentile per-packet one-way delay: 65.873 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 20.72 Mbit/s
95th percentile per-packet one-way delay: 64.342 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 65.285 ms
Loss rate: 0.50%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-04-04 00:17:47

End at: 2018-04-04 00:18:17

Local clock offset: 0.295 ms

Remote clock offset: 0.284 ms

Below is generated by plot.py at 2018-04-04 02:54:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.45 Mbit/s

95th percentile per-packet one-way delay: 52.663 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 55.230 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 26.44 Mbit/s

95th percentile per-packet one-way delay: 41.846 ms

Loss rate: 0.39%

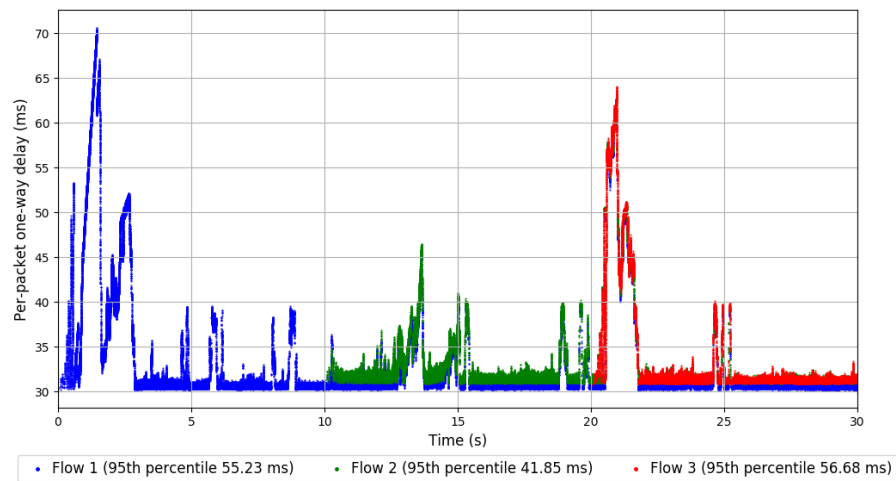
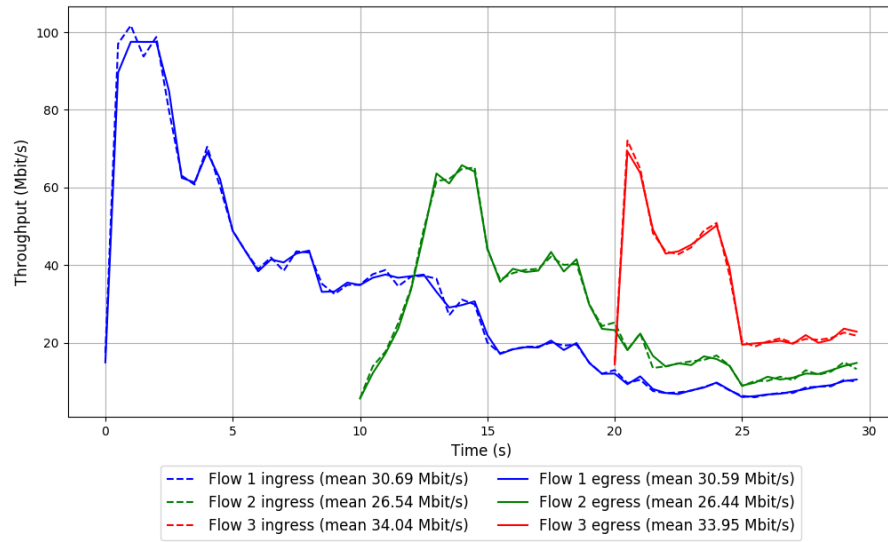
-- Flow 3:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 56.678 ms

Loss rate: 0.27%

Run 6: Report of TCP Cubic — Data Link

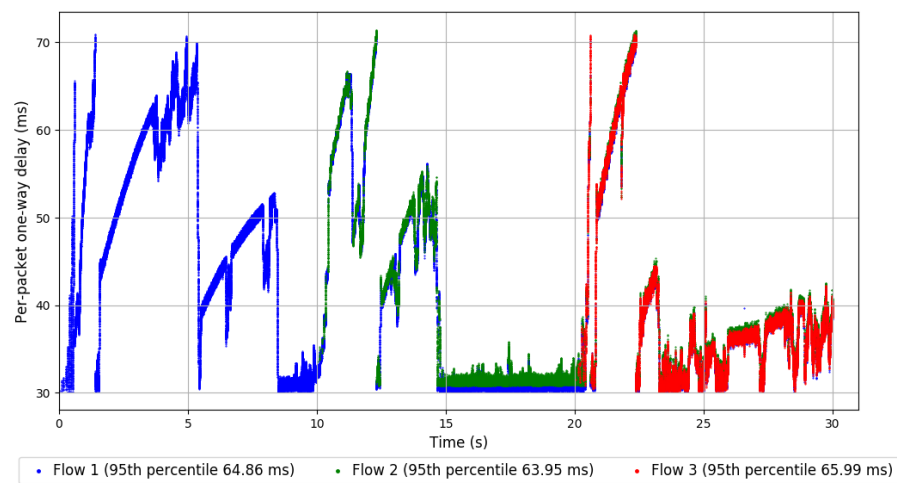
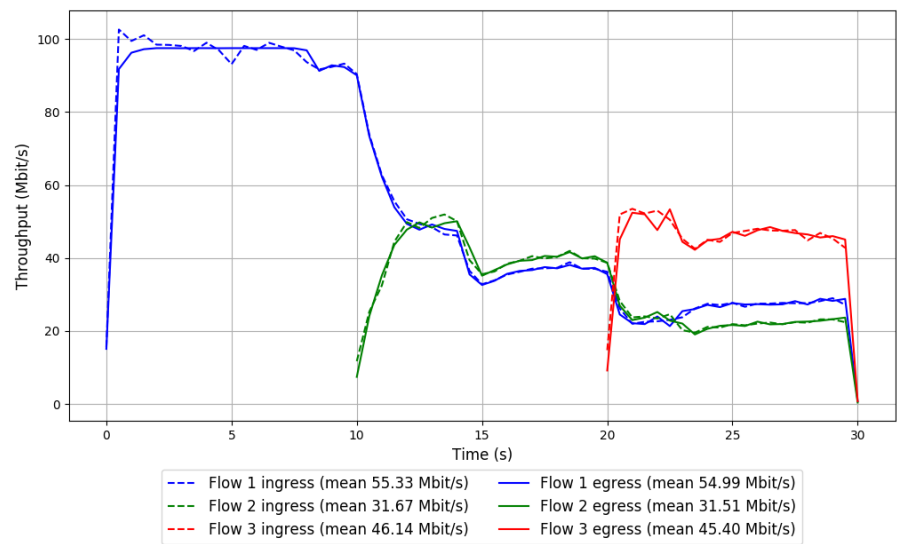


Run 7: Statistics of TCP Cubic

Start at: 2018-04-04 00:50:22
End at: 2018-04-04 00:50:52
Local clock offset: 0.438 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-04-04 02:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 64.743 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 64.865 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 63.948 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 65.988 ms
Loss rate: 1.52%

Run 7: Report of TCP Cubic — Data Link

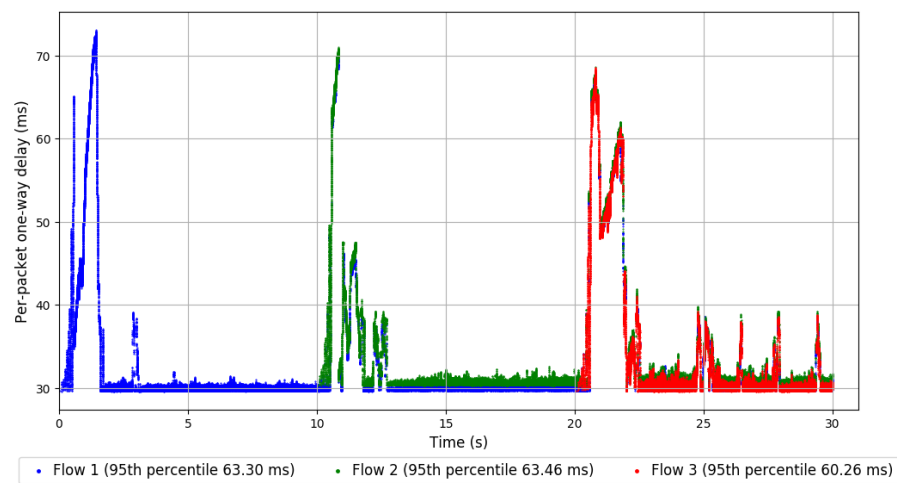
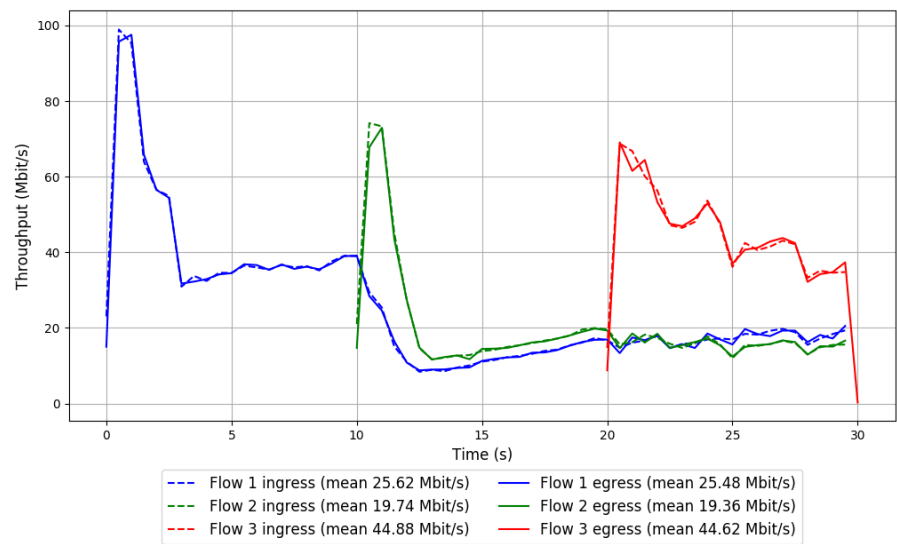


Run 8: Statistics of TCP Cubic

Start at: 2018-04-04 01:21:15
End at: 2018-04-04 01:21:45
Local clock offset: 0.47 ms
Remote clock offset: -2.119 ms

Below is generated by plot.py at 2018-04-04 02:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 62.548 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 63.297 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 63.456 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 44.62 Mbit/s
95th percentile per-packet one-way delay: 60.263 ms
Loss rate: 0.57%

Run 8: Report of TCP Cubic — Data Link

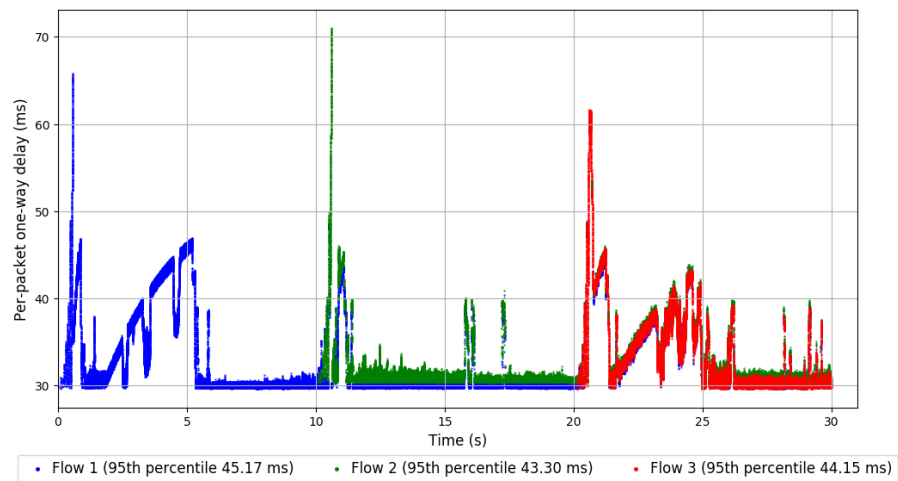
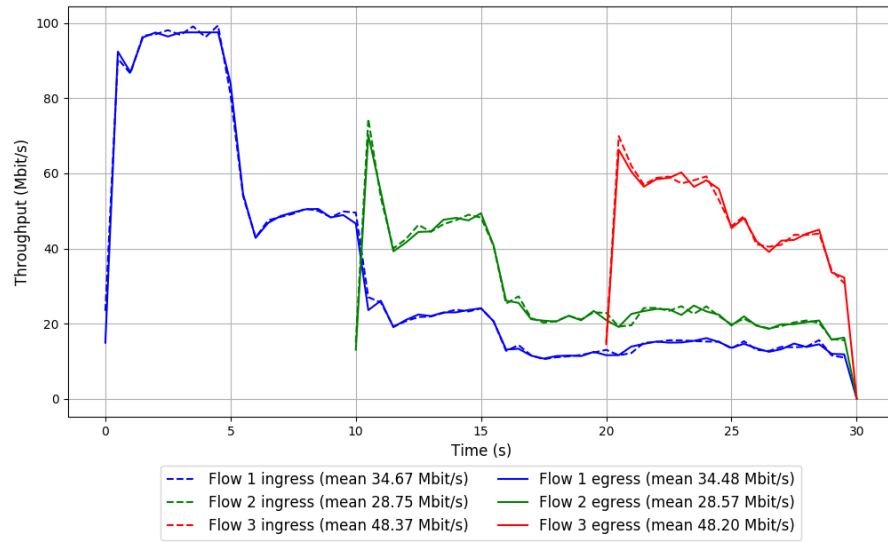


Run 9: Statistics of TCP Cubic

Start at: 2018-04-04 01:50:55
End at: 2018-04-04 01:51:25
Local clock offset: 0.172 ms
Remote clock offset: -1.831 ms

Below is generated by plot.py at 2018-04-04 02:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 44.382 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 45.167 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 43.304 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 44.154 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

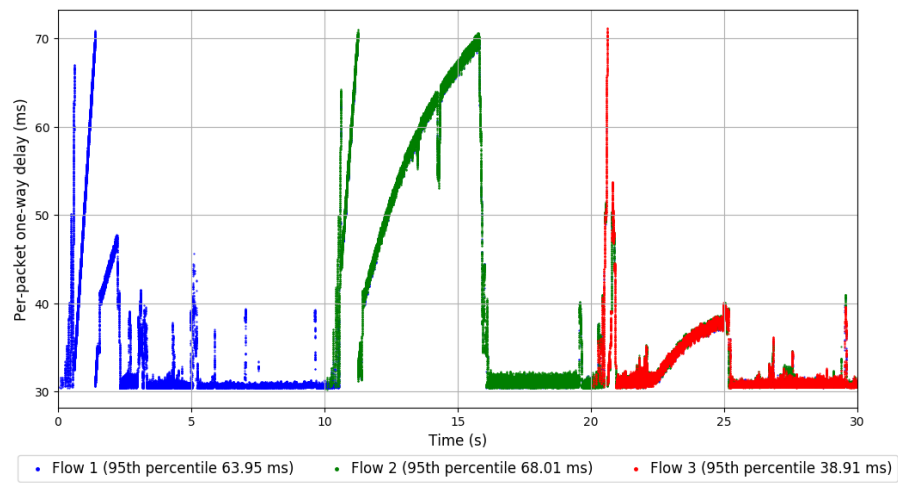
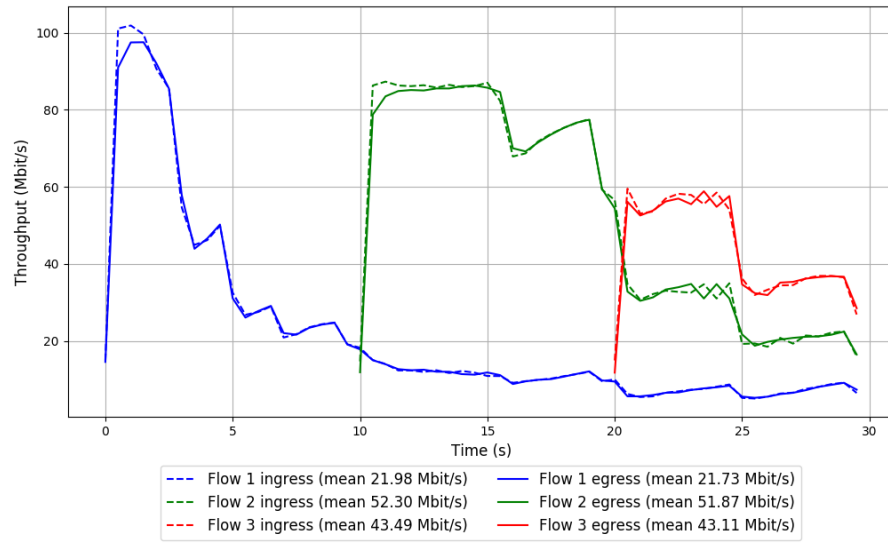


Run 10: Statistics of TCP Cubic

Start at: 2018-04-04 02:18:59
End at: 2018-04-04 02:19:29
Local clock offset: -0.079 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2018-04-04 02:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.55 Mbit/s
95th percentile per-packet one-way delay: 66.568 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 63.947 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 51.87 Mbit/s
95th percentile per-packet one-way delay: 68.012 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 38.915 ms
Loss rate: 0.88%

Run 10: Report of TCP Cubic — Data Link

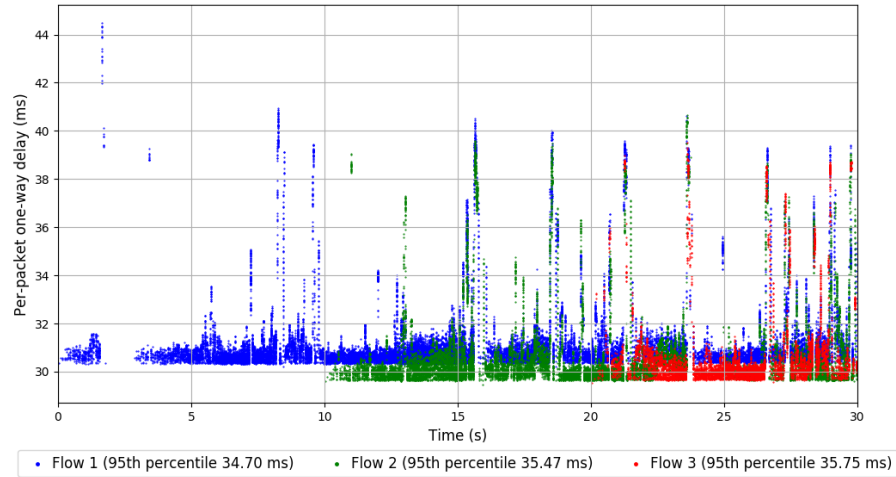
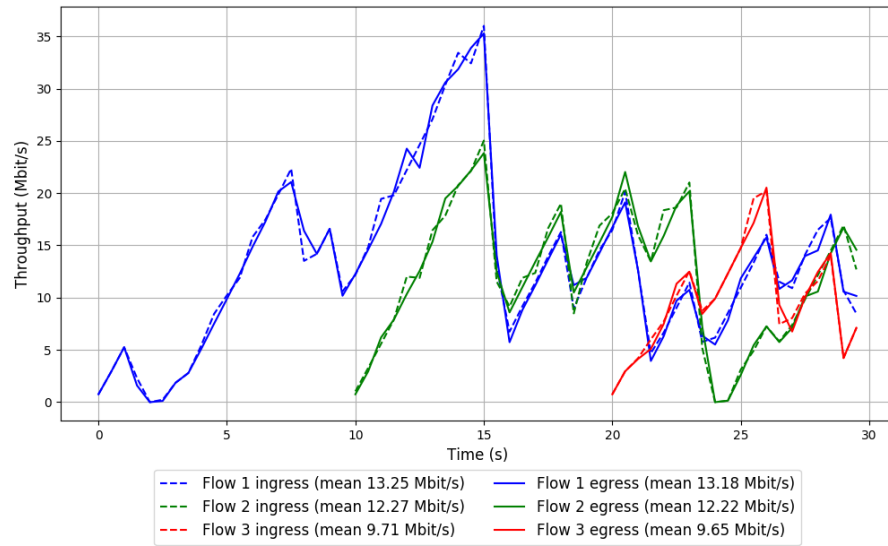


```
Run 1: Statistics of LEDBAT

Start at: 2018-04-03 21:40:28
End at: 2018-04-03 21:40:58
Local clock offset: 0.932 ms
Remote clock offset: -2.561 ms

# Below is generated by plot.py at 2018-04-04 02:55:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 35.159 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 34.697 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 35.474 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 35.747 ms
Loss rate: 0.63%
```


Run 1: Report of LEDBAT — Data Link

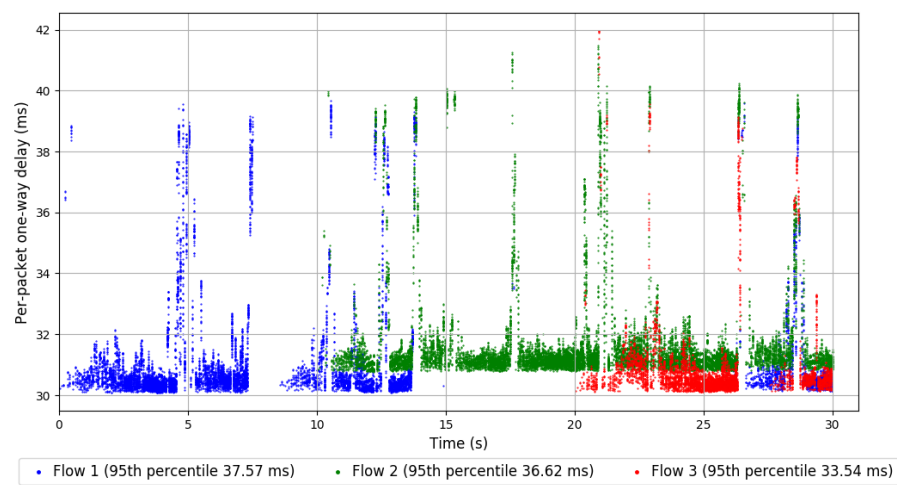
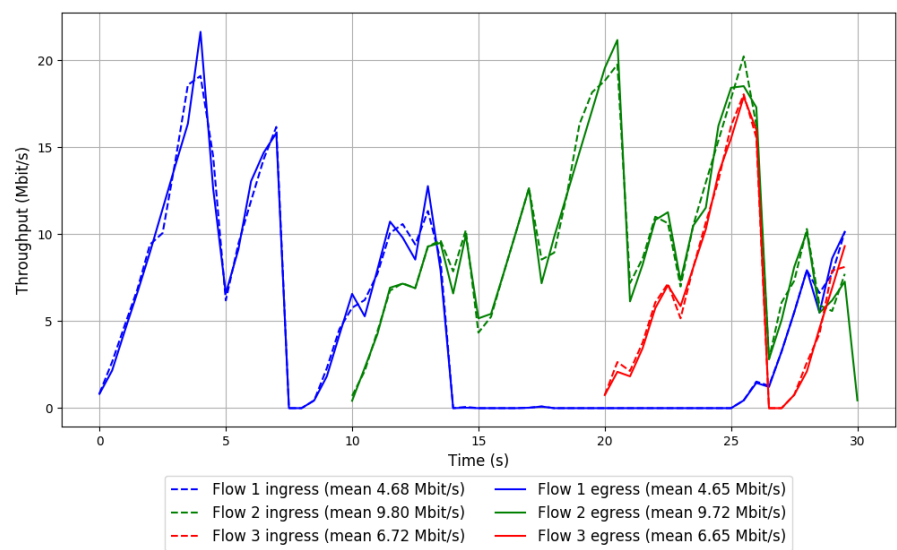


Run 2: Statistics of LEDBAT

Start at: 2018-04-03 22:10:02
End at: 2018-04-03 22:10:32
Local clock offset: 0.939 ms
Remote clock offset: -6.616 ms

Below is generated by plot.py at 2018-04-04 02:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 36.672 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 37.570 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 36.616 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 33.537 ms
Loss rate: 1.01%

Run 2: Report of LEDBAT — Data Link

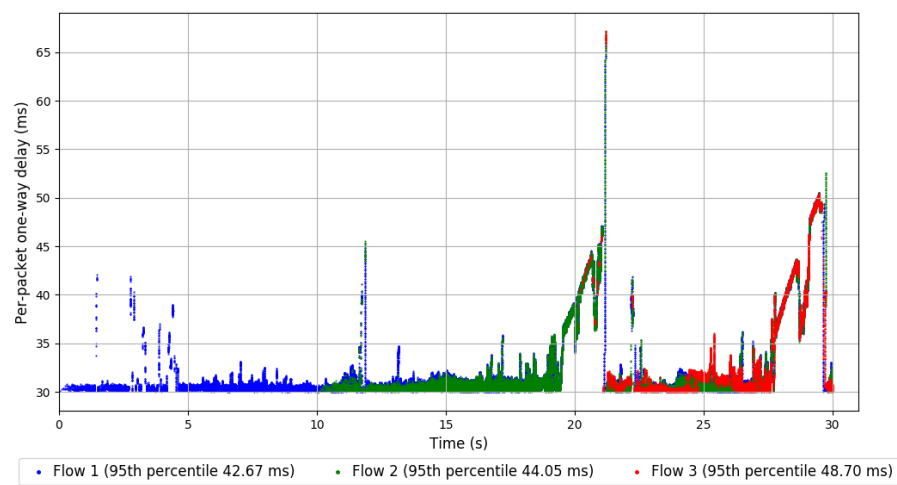
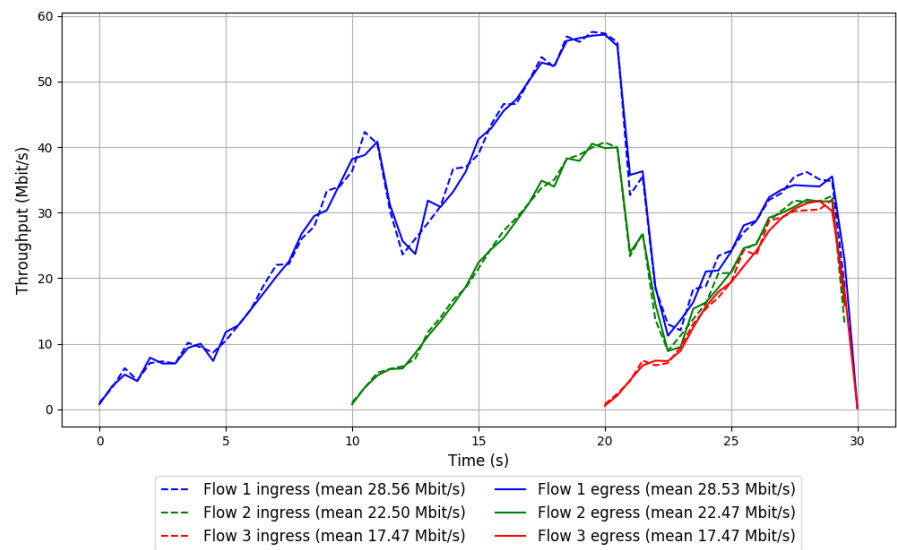


Run 3: Statistics of LEDBAT

Start at: 2018-04-03 22:42:18
End at: 2018-04-03 22:42:48
Local clock offset: 1.324 ms
Remote clock offset: -0.572 ms

Below is generated by plot.py at 2018-04-04 02:55:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 43.363 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 42.666 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 44.053 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 17.47 Mbit/s
95th percentile per-packet one-way delay: 48.701 ms
Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-03 23:15:18

End at: 2018-04-03 23:15:48

Local clock offset: 1.182 ms

Remote clock offset: 0.557 ms

Below is generated by plot.py at 2018-04-04 02:55:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 64.302 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 26.69 Mbit/s

95th percentile per-packet one-way delay: 61.655 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 25.43 Mbit/s

95th percentile per-packet one-way delay: 64.592 ms

Loss rate: 0.13%

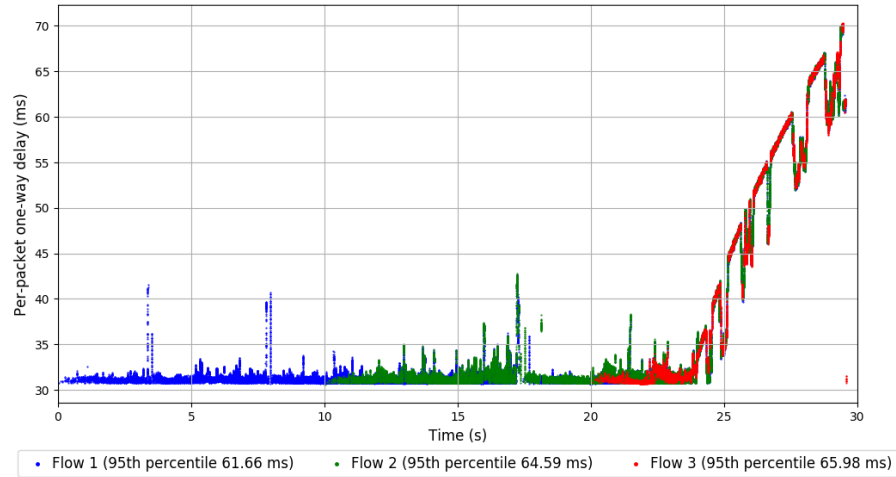
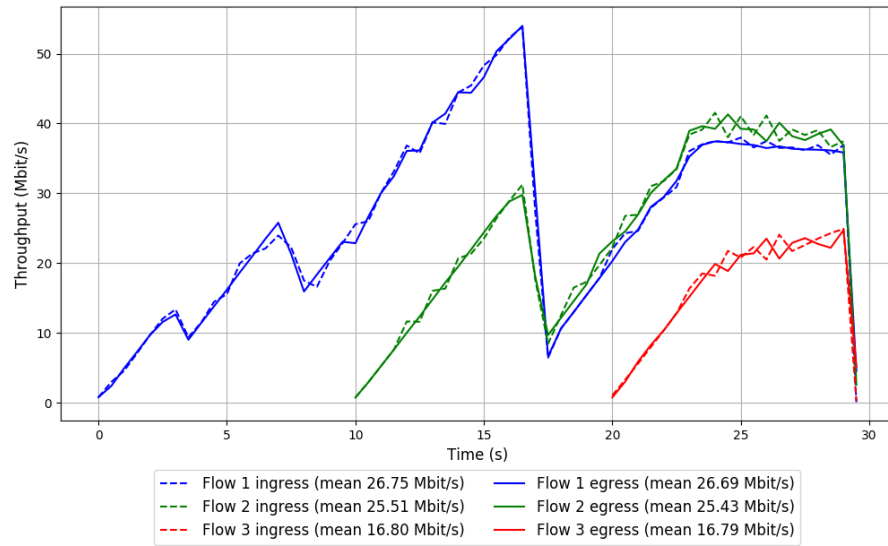
-- Flow 3:

Average throughput: 16.79 Mbit/s

95th percentile per-packet one-way delay: 65.983 ms

Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-04-03 23:48:15

End at: 2018-04-03 23:48:45

Local clock offset: 0.833 ms

Remote clock offset: -5.58 ms

Below is generated by plot.py at 2018-04-04 02:55:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 59.855 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 40.62 Mbit/s

95th percentile per-packet one-way delay: 59.920 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: 60.402 ms

Loss rate: 0.01%

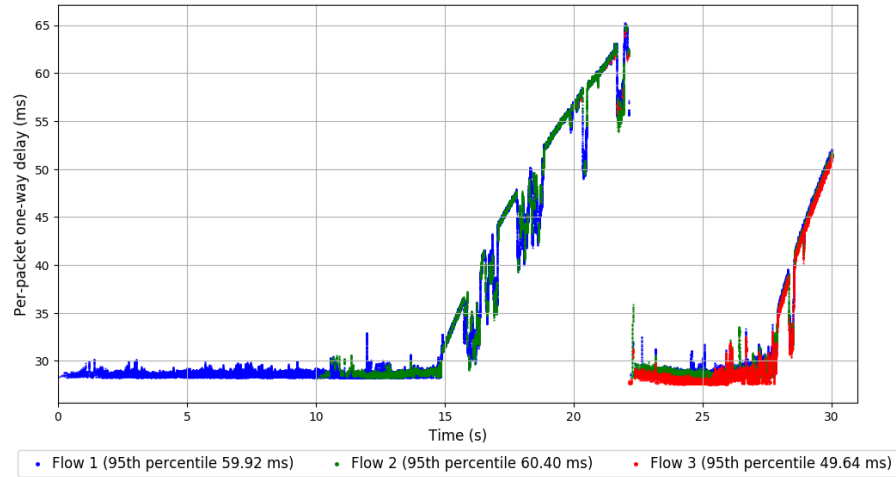
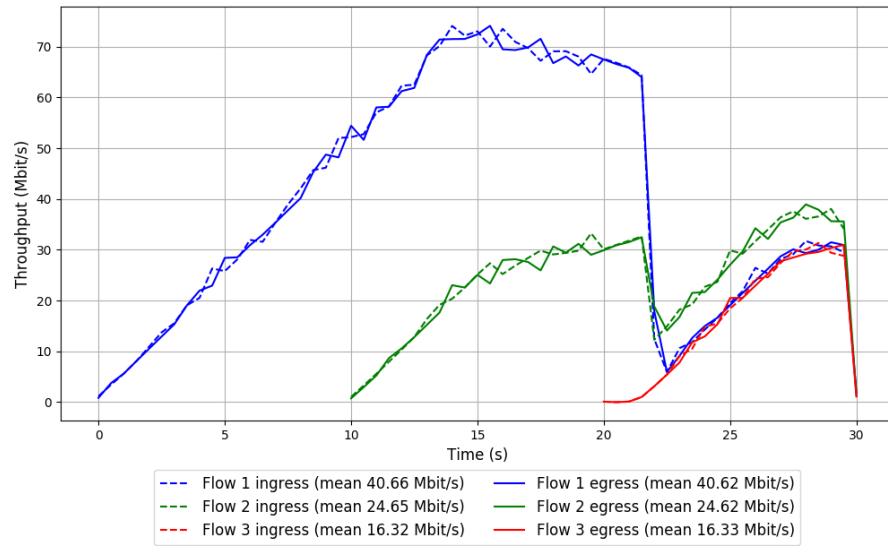
-- Flow 3:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 49.642 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

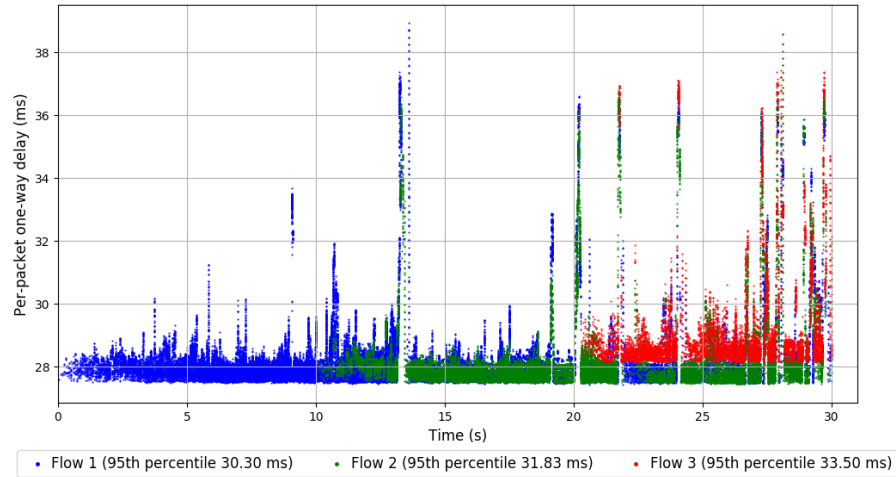
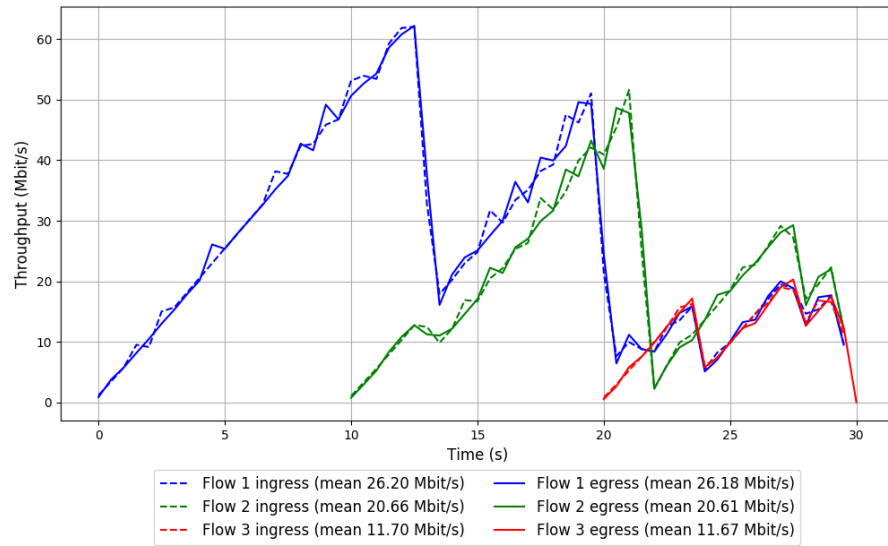


Run 6: Statistics of LEDBAT

Start at: 2018-04-04 00:19:32
End at: 2018-04-04 00:20:02
Local clock offset: 0.373 ms
Remote clock offset: -2.163 ms

Below is generated by plot.py at 2018-04-04 02:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.71 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 26.18 Mbit/s
95th percentile per-packet one-way delay: 30.302 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 31.834 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 33.496 ms
Loss rate: 0.30%

Run 6: Report of LEDBAT — Data Link

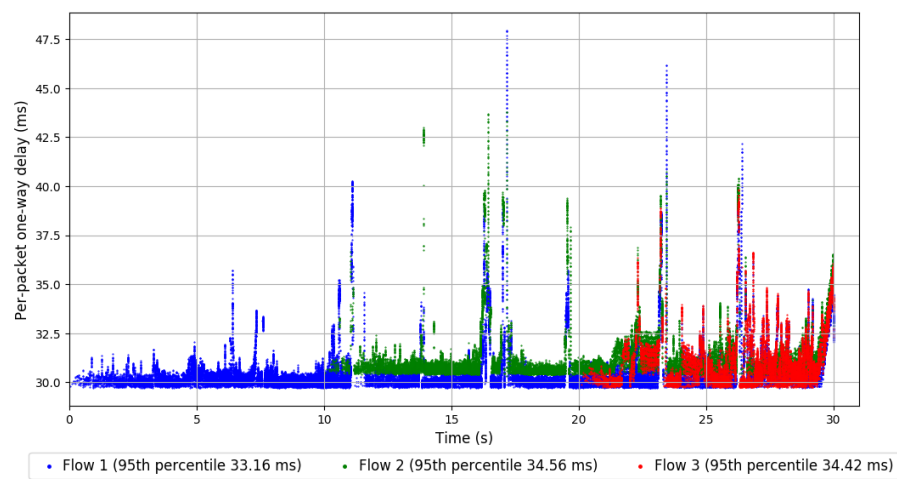
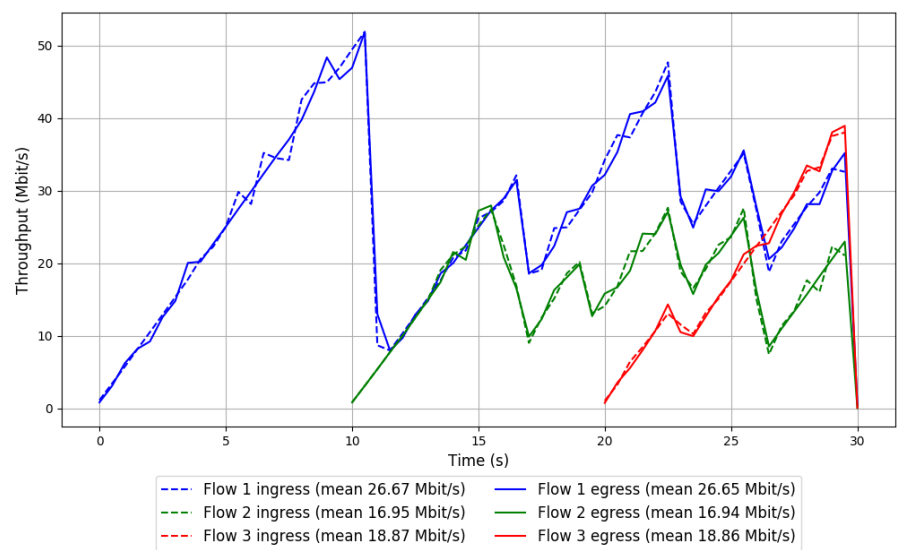


Run 7: Statistics of LEDBAT

Start at: 2018-04-04 00:52:10
End at: 2018-04-04 00:52:40
Local clock offset: 0.443 ms
Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-04-04 02:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 33.809 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 33.162 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 34.560 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 34.417 ms
Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

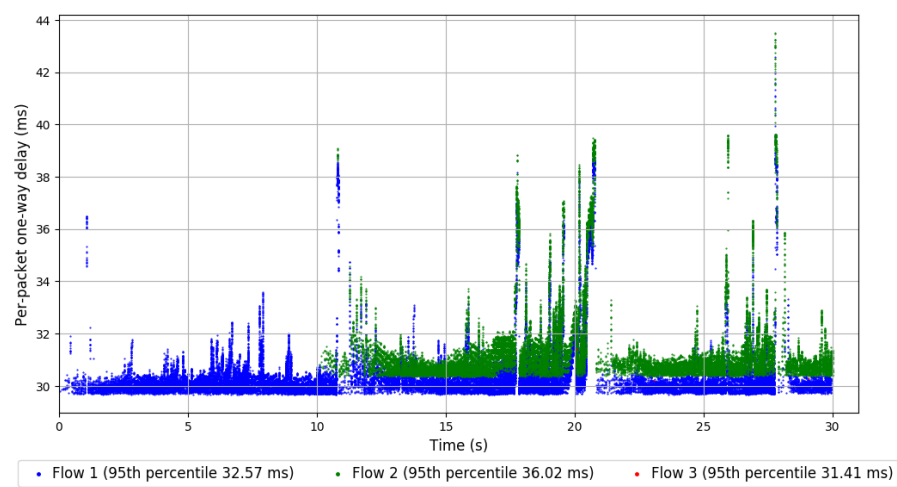
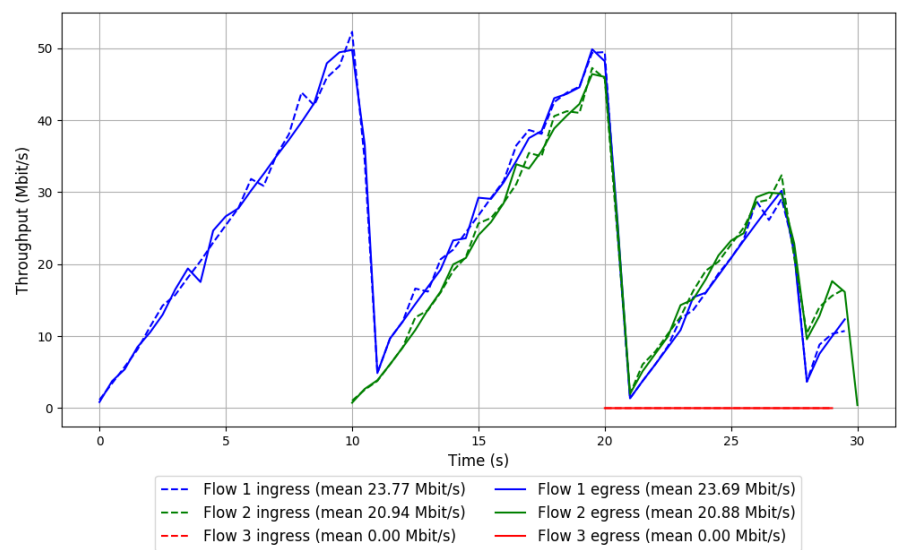


Run 8: Statistics of LEDBAT

Start at: 2018-04-04 01:22:47
End at: 2018-04-04 01:23:17
Local clock offset: 0.401 ms
Remote clock offset: -2.157 ms

Below is generated by plot.py at 2018-04-04 02:55:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 34.481 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 32.570 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 36.021 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.406 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

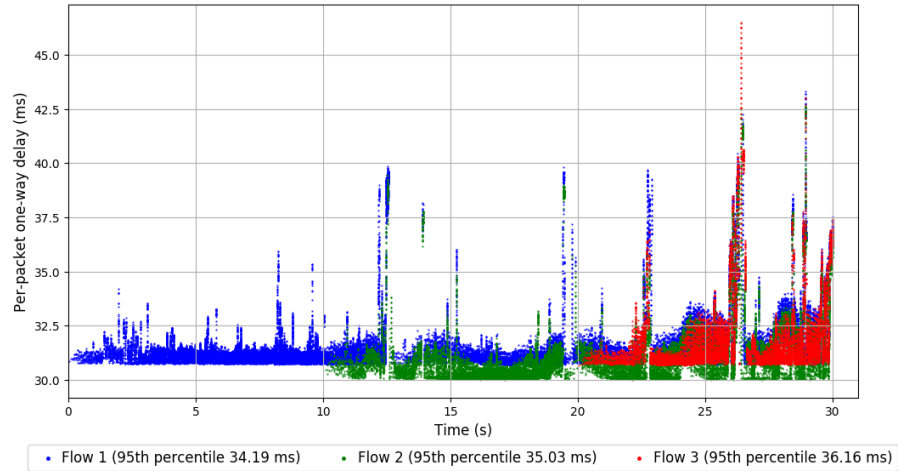
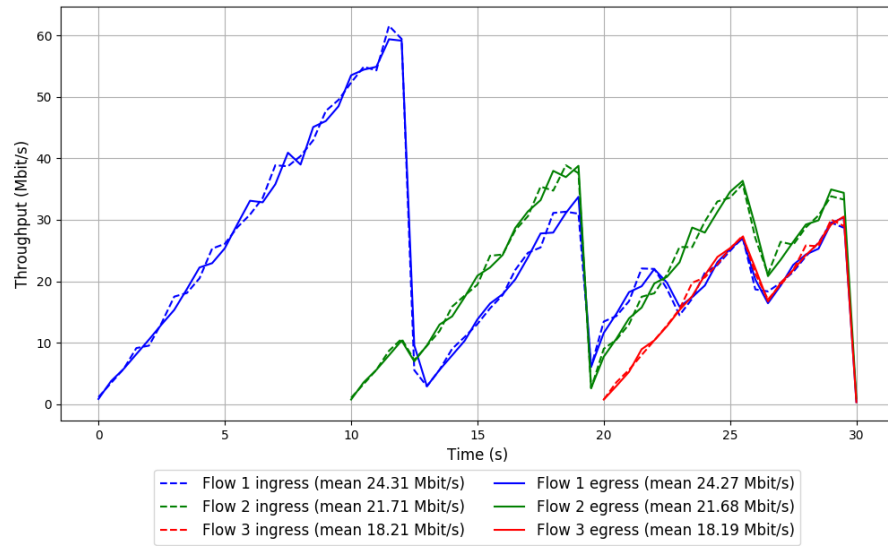


Run 9: Statistics of LEDBAT

Start at: 2018-04-04 01:52:29
End at: 2018-04-04 01:52:59
Local clock offset: 0.235 ms
Remote clock offset: -1.292 ms

Below is generated by plot.py at 2018-04-04 02:56:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 35.041 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 34.189 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 35.029 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 36.155 ms
Loss rate: 0.04%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-04 02:20:28

End at: 2018-04-04 02:20:58

Local clock offset: -0.042 ms

Remote clock offset: -3.48 ms

Below is generated by plot.py at 2018-04-04 02:56:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.38 Mbit/s

95th percentile per-packet one-way delay: 36.158 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 36.196 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 36.863 ms

Loss rate: 0.15%

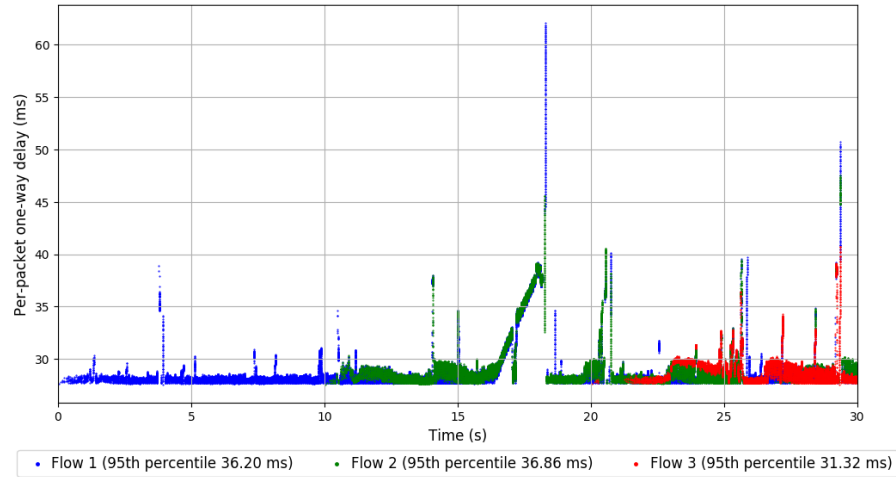
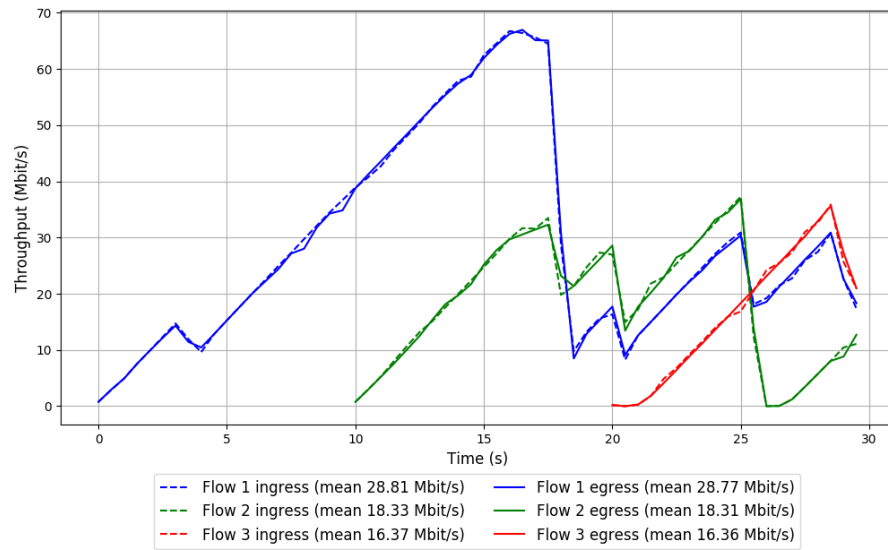
-- Flow 3:

Average throughput: 16.36 Mbit/s

95th percentile per-packet one-way delay: 31.322 ms

Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

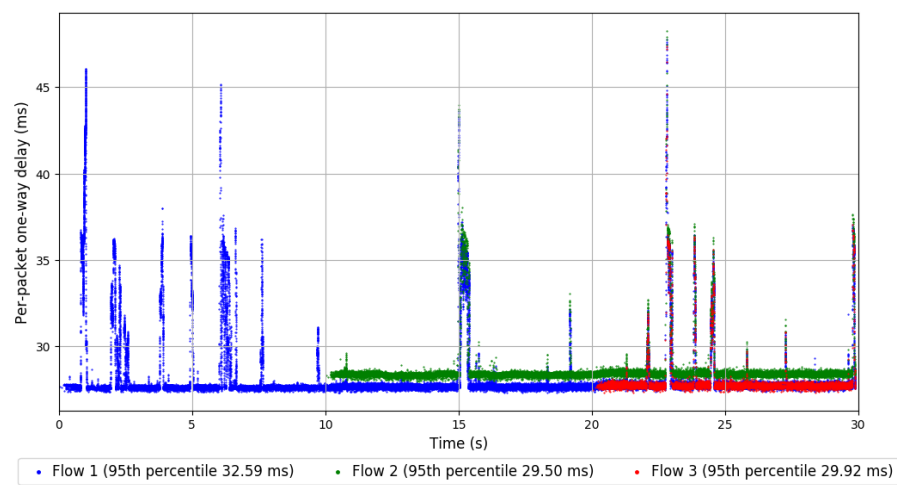
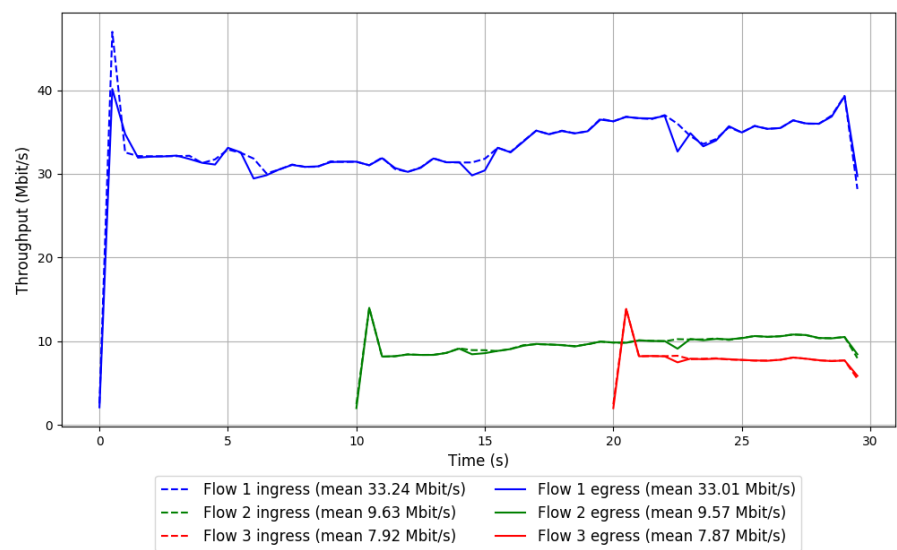


Run 1: Statistics of PCC

Start at: 2018-04-03 21:36:04
End at: 2018-04-03 21:36:34
Local clock offset: 0.894 ms
Remote clock offset: -4.469 ms

Below is generated by plot.py at 2018-04-04 02:56:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 32.027 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 32.595 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 29.499 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 29.921 ms
Loss rate: 0.57%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-04-03 22:05:35

End at: 2018-04-03 22:06:05

Local clock offset: 0.931 ms

Remote clock offset: -6.6 ms

Below is generated by plot.py at 2018-04-04 02:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 38.539 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 37.109 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 38.768 ms

Loss rate: 2.79%

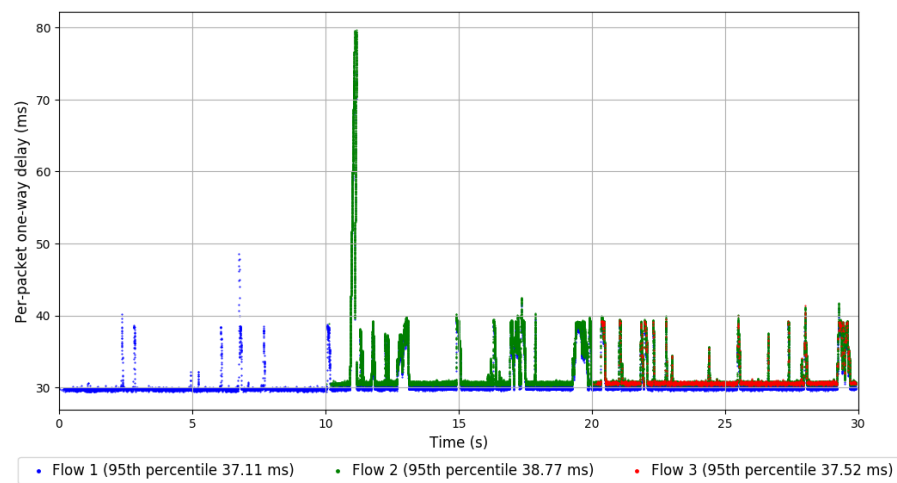
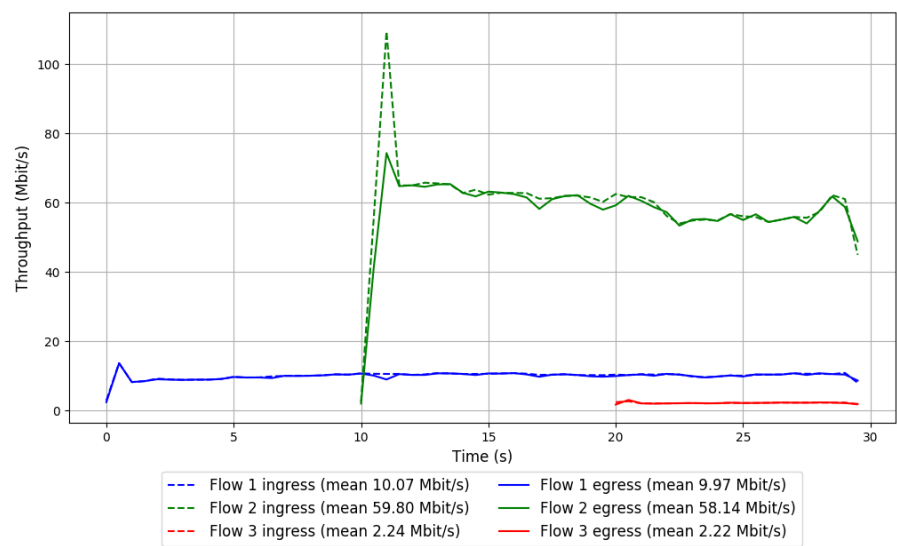
-- Flow 3:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 37.523 ms

Loss rate: 0.95%

Run 2: Report of PCC — Data Link

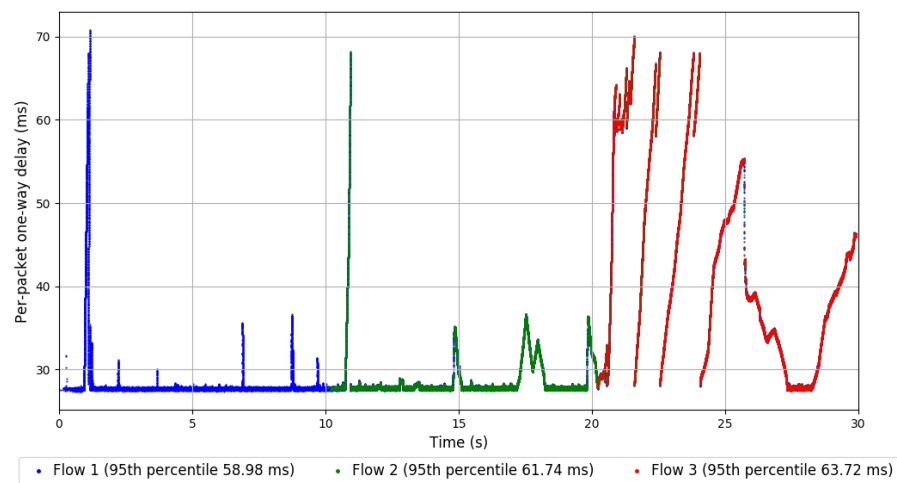
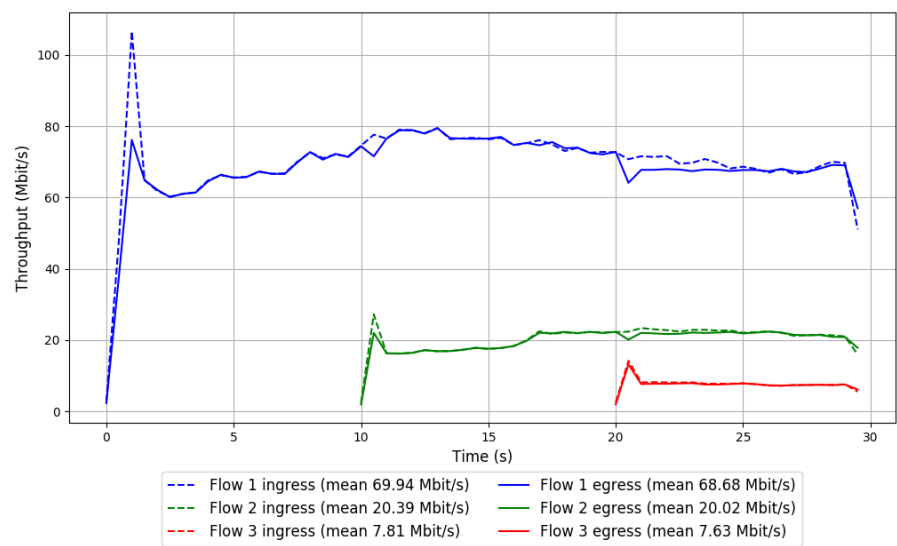


Run 3: Statistics of PCC

Start at: 2018-04-03 22:37:28
End at: 2018-04-03 22:37:58
Local clock offset: 1.248 ms
Remote clock offset: -3.587 ms

Below is generated by plot.py at 2018-04-04 02:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 59.768 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 68.68 Mbit/s
95th percentile per-packet one-way delay: 58.982 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 61.736 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 63.720 ms
Loss rate: 2.21%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-04-03 23:10:24

End at: 2018-04-03 23:10:54

Local clock offset: 1.14 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-04-04 02:56:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 60.763 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 56.512 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 60.497 ms

Loss rate: 2.45%

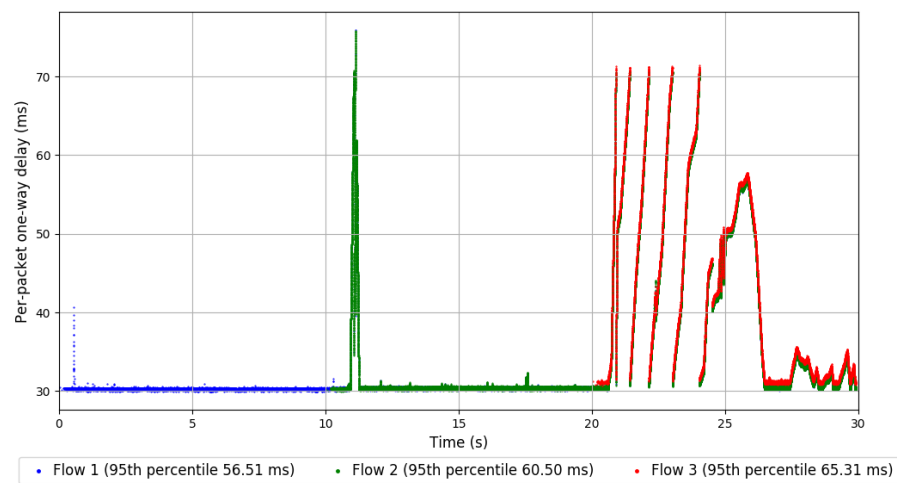
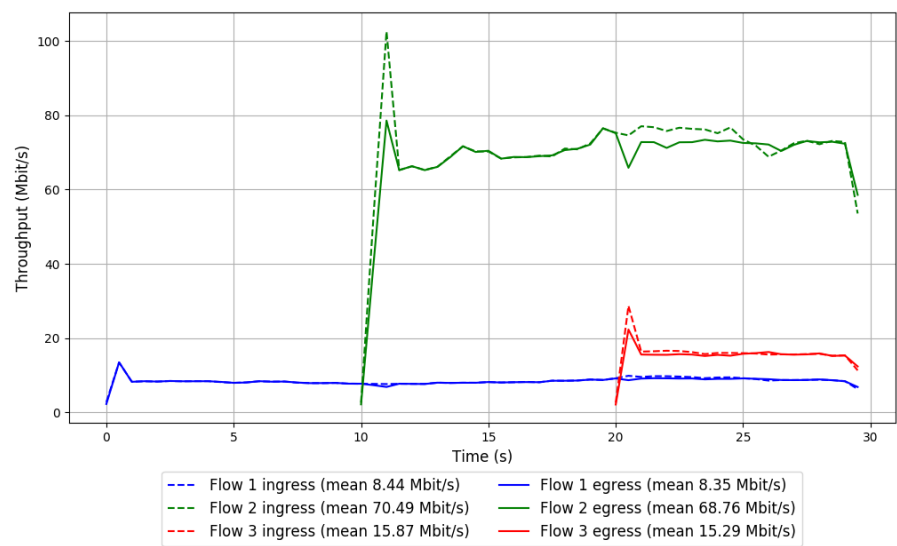
-- Flow 3:

Average throughput: 15.29 Mbit/s

95th percentile per-packet one-way delay: 65.311 ms

Loss rate: 3.64%

Run 4: Report of PCC — Data Link

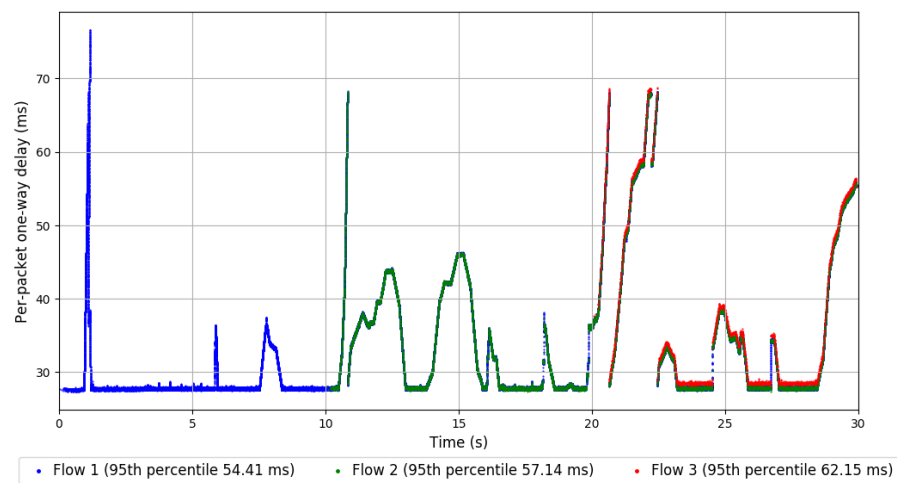
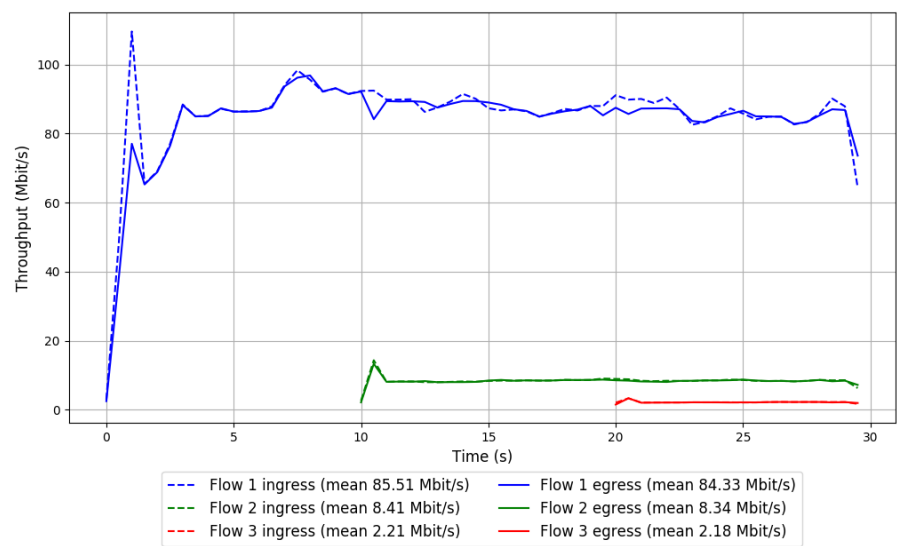


Run 5: Statistics of PCC

Start at: 2018-04-03 23:43:28
End at: 2018-04-03 23:43:58
Local clock offset: 0.939 ms
Remote clock offset: -5.524 ms

Below is generated by plot.py at 2018-04-04 02:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 54.886 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 54.413 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 57.141 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 62.153 ms
Loss rate: 1.20%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-04 00:14:49

End at: 2018-04-04 00:15:19

Local clock offset: 0.423 ms

Remote clock offset: -2.66 ms

Below is generated by plot.py at 2018-04-04 02:57:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.39 Mbit/s

95th percentile per-packet one-way delay: 49.359 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 69.83 Mbit/s

95th percentile per-packet one-way delay: 49.135 ms

Loss rate: 2.06%

-- Flow 2:

Average throughput: 16.37 Mbit/s

95th percentile per-packet one-way delay: 49.541 ms

Loss rate: 1.94%

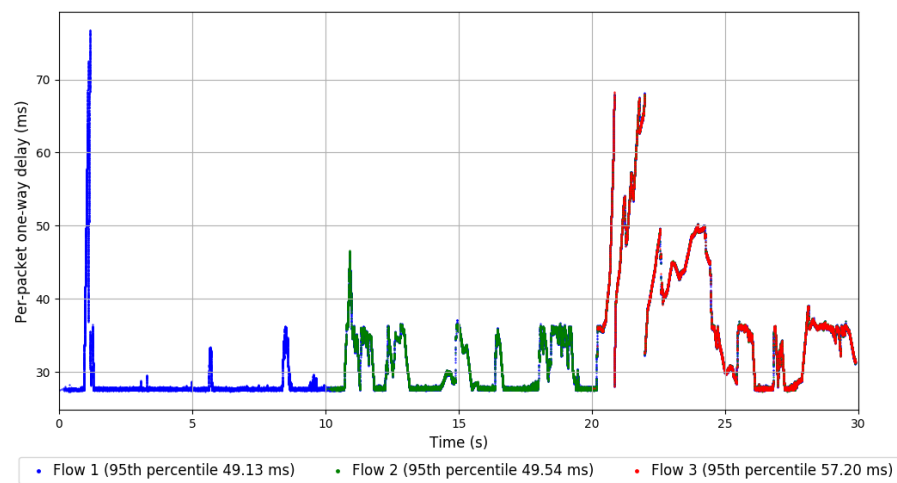
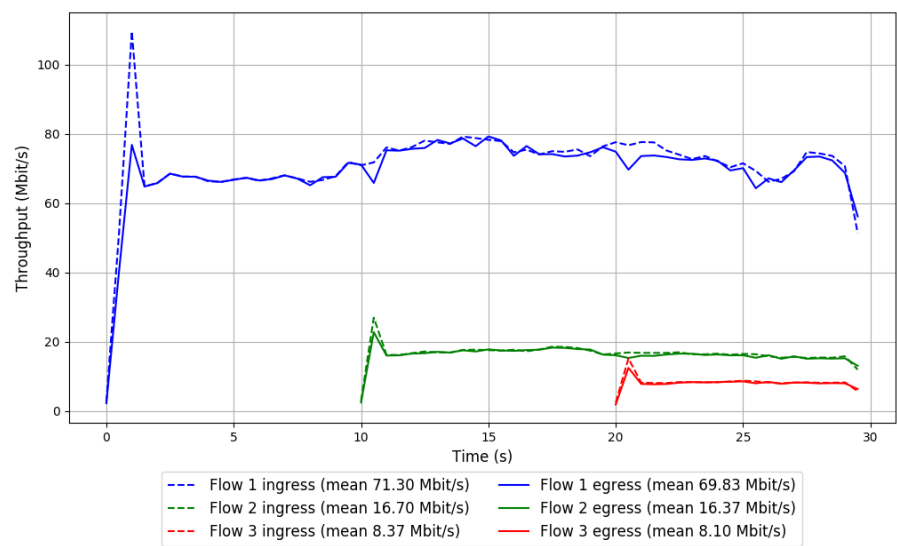
-- Flow 3:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 57.204 ms

Loss rate: 3.16%

Run 6: Report of PCC — Data Link

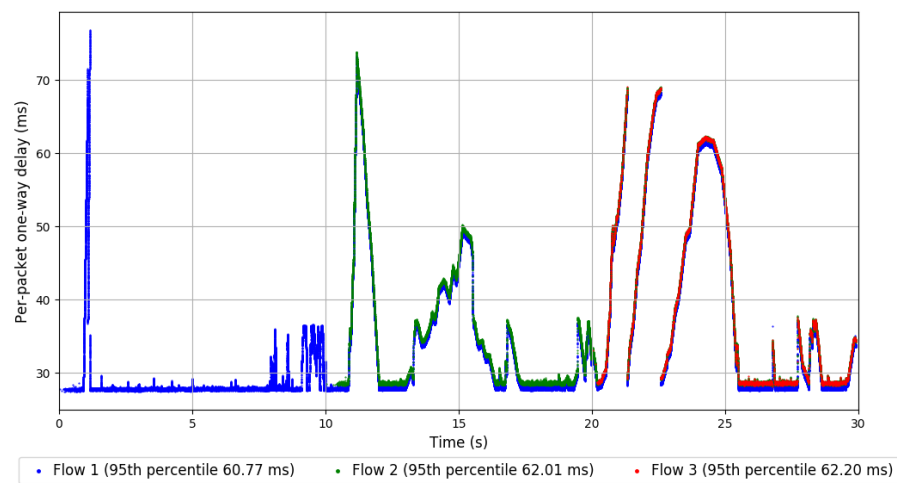
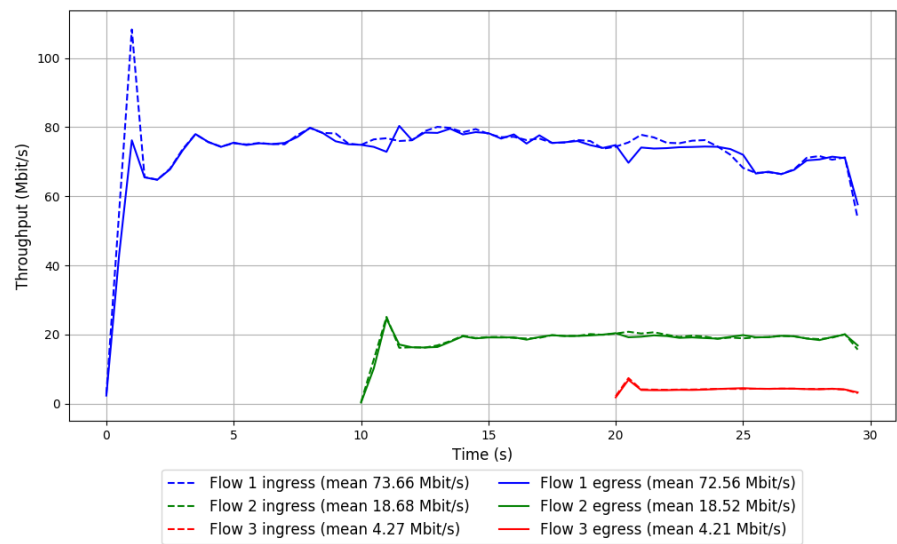


Run 7: Statistics of PCC

Start at: 2018-04-04 00:47:17
End at: 2018-04-04 00:47:47
Local clock offset: 0.418 ms
Remote clock offset: -2.946 ms

Below is generated by plot.py at 2018-04-04 02:57:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 61.035 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 60.769 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 62.006 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 62.201 ms
Loss rate: 1.42%

Run 7: Report of PCC — Data Link

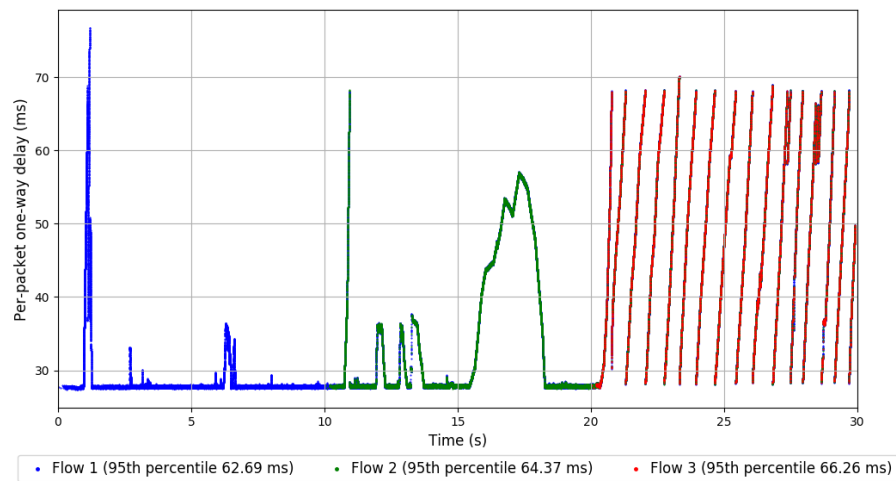
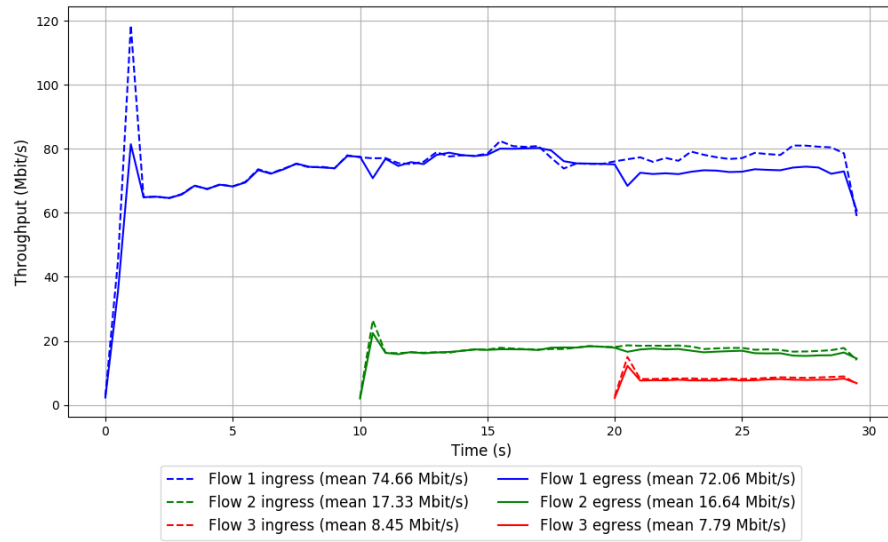


Run 8: Statistics of PCC

Start at: 2018-04-04 01:18:21
End at: 2018-04-04 01:18:51
Local clock offset: 0.491 ms
Remote clock offset: -4.061 ms

Below is generated by plot.py at 2018-04-04 02:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 63.281 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 72.06 Mbit/s
95th percentile per-packet one-way delay: 62.694 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 64.371 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 66.261 ms
Loss rate: 7.60%

Run 8: Report of PCC — Data Link

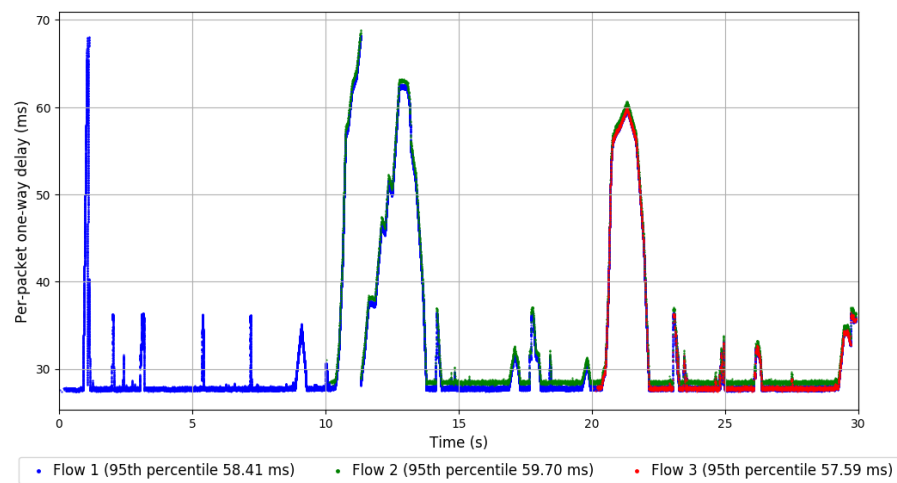
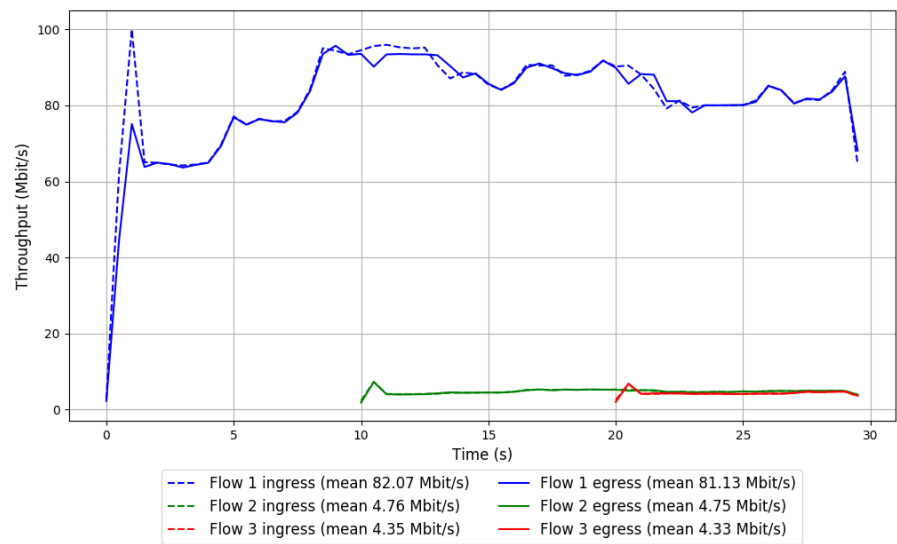


Run 9: Statistics of PCC

Start at: 2018-04-04 01:48:07
End at: 2018-04-04 01:48:37
Local clock offset: 0.258 ms
Remote clock offset: -4.083 ms

Below is generated by plot.py at 2018-04-04 02:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 58.455 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 81.13 Mbit/s
95th percentile per-packet one-way delay: 58.415 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 59.705 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 57.594 ms
Loss rate: 0.30%

Run 9: Report of PCC — Data Link

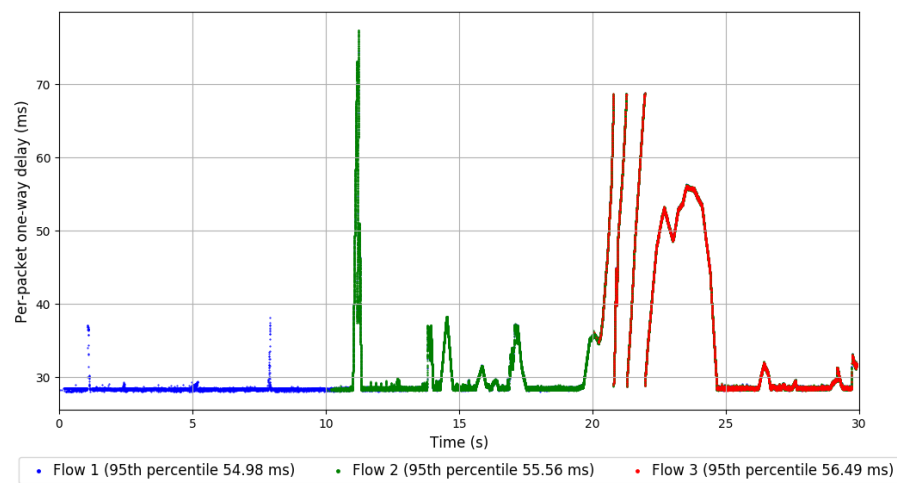
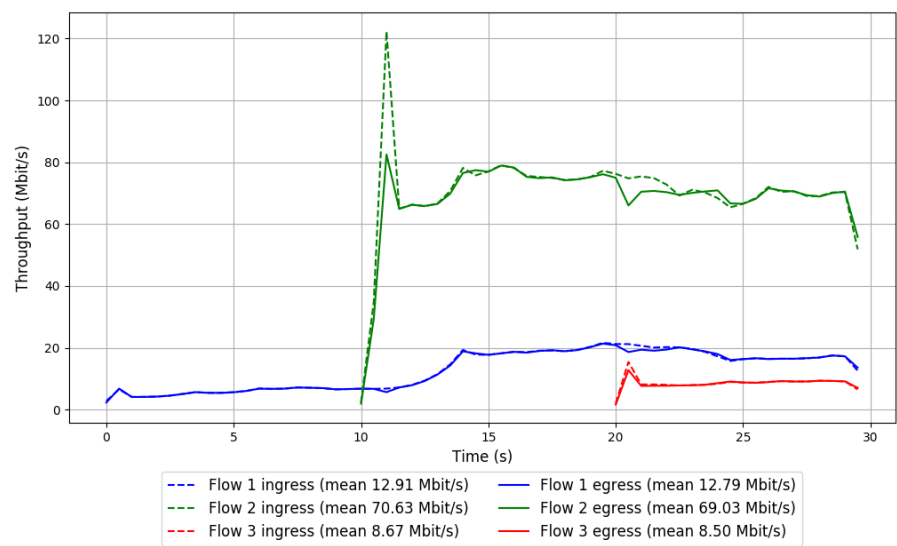


Run 10: Statistics of PCC

Start at: 2018-04-04 02:16:17
End at: 2018-04-04 02:16:47
Local clock offset: -0.098 ms
Remote clock offset: -3.097 ms

Below is generated by plot.py at 2018-04-04 02:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 55.563 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 54.984 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 55.561 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 8.50 Mbit/s
95th percentile per-packet one-way delay: 56.493 ms
Loss rate: 2.00%

Run 10: Report of PCC — Data Link

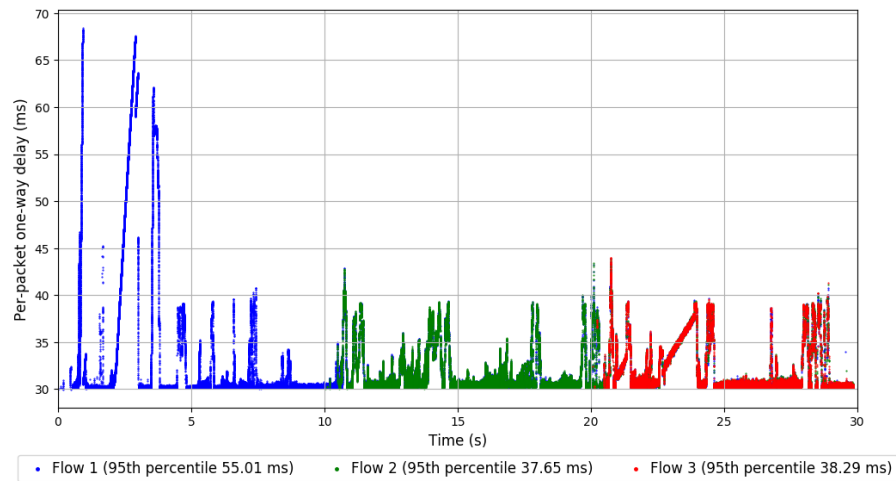
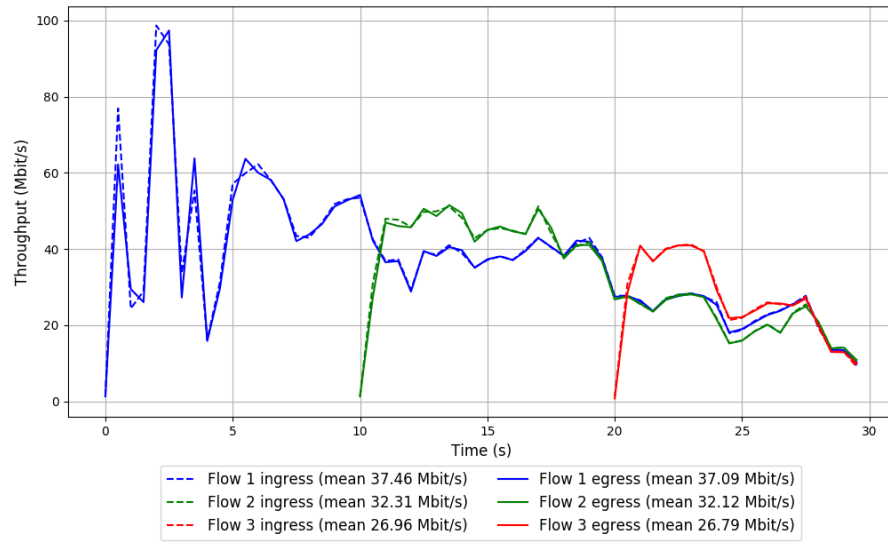


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 21:30:52
End at: 2018-04-03 21:31:22
Local clock offset: 0.875 ms
Remote clock offset: -1.679 ms

# Below is generated by plot.py at 2018-04-04 02:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 41.598 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 55.012 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 37.649 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 26.79 Mbit/s
95th percentile per-packet one-way delay: 38.290 ms
Loss rate: 0.66%
```


Run 1: Report of QUIC Cubic — Data Link

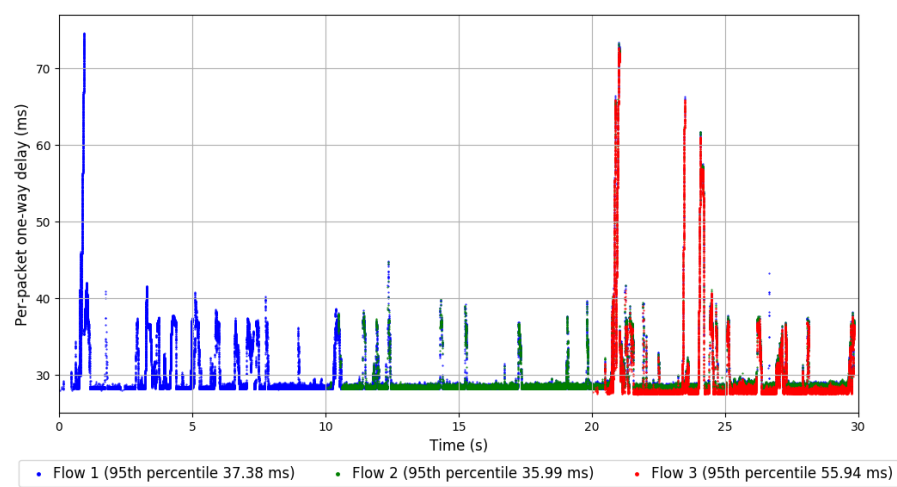
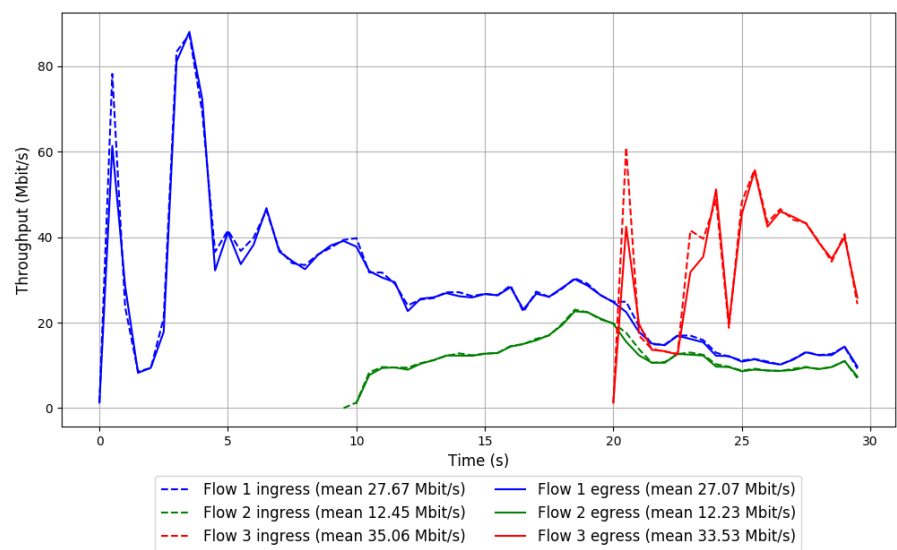


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-03 22:00:27
End at: 2018-04-03 22:00:57
Local clock offset: 0.92 ms
Remote clock offset: -8.116 ms

Below is generated by plot.py at 2018-04-04 02:57:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 38.361 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 27.07 Mbit/s
95th percentile per-packet one-way delay: 37.383 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 35.994 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 55.942 ms
Loss rate: 4.29%

Run 2: Report of QUIC Cubic — Data Link

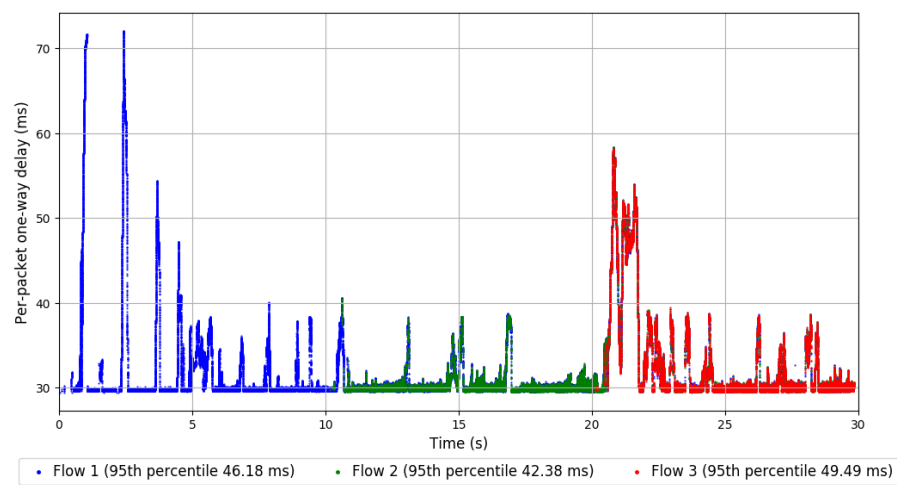
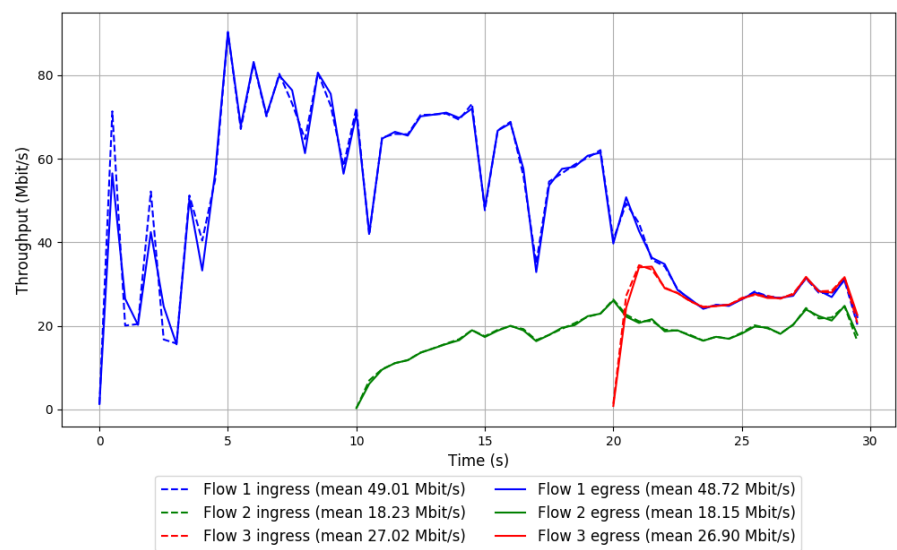


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-03 22:31:37
End at: 2018-04-03 22:32:07
Local clock offset: 1.201 ms
Remote clock offset: -2.357 ms

Below is generated by plot.py at 2018-04-04 02:58:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.54 Mbit/s
95th percentile per-packet one-way delay: 46.749 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 46.182 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 42.378 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 49.491 ms
Loss rate: 0.43%

Run 3: Report of QUIC Cubic — Data Link

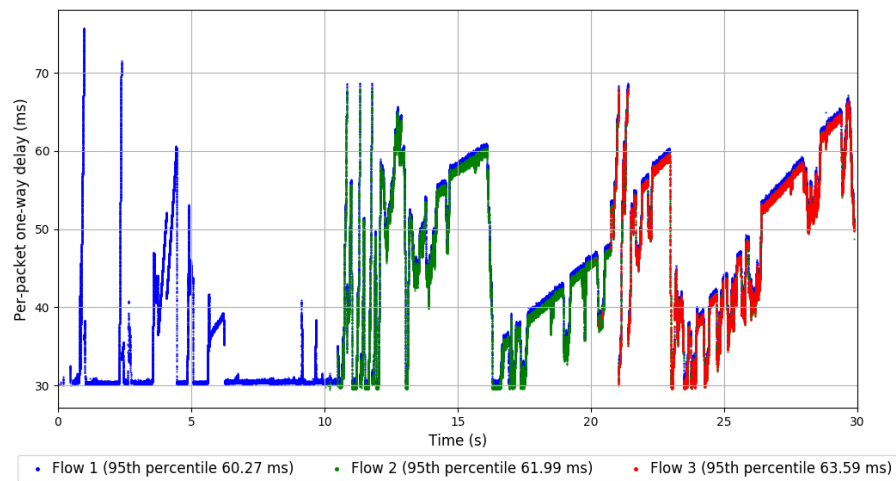
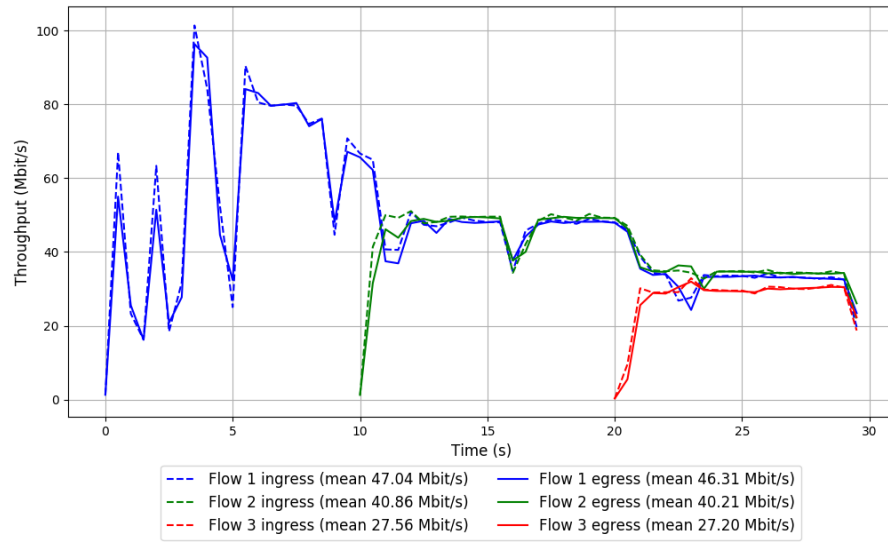


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-03 23:04:44
End at: 2018-04-03 23:05:14
Local clock offset: 1.234 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-04-04 02:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 61.887 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 60.271 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 61.995 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 63.588 ms
Loss rate: 1.26%

Run 4: Report of QUIC Cubic — Data Link

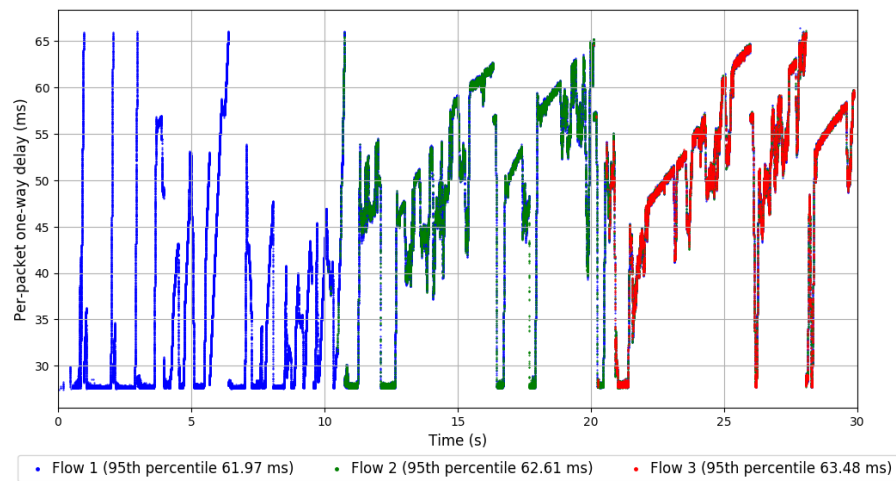
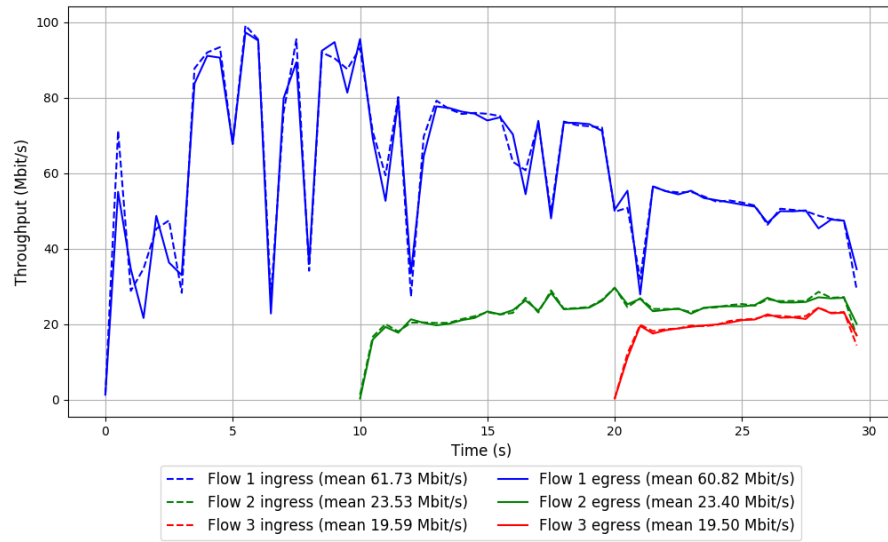


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-03 23:37:44
End at: 2018-04-03 23:38:14
Local clock offset: 0.903 ms
Remote clock offset: -5.053 ms

Below is generated by plot.py at 2018-04-04 02:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 62.296 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 61.973 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 62.609 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 63.475 ms
Loss rate: 0.50%

Run 5: Report of QUIC Cubic — Data Link

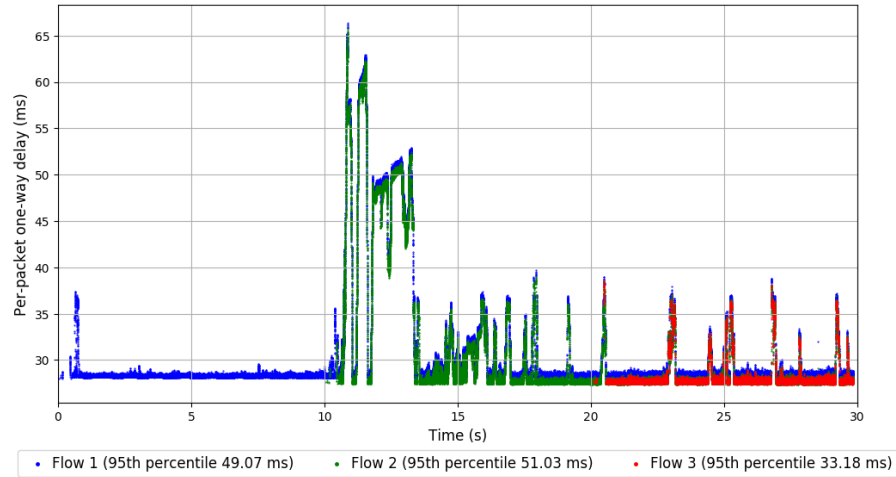
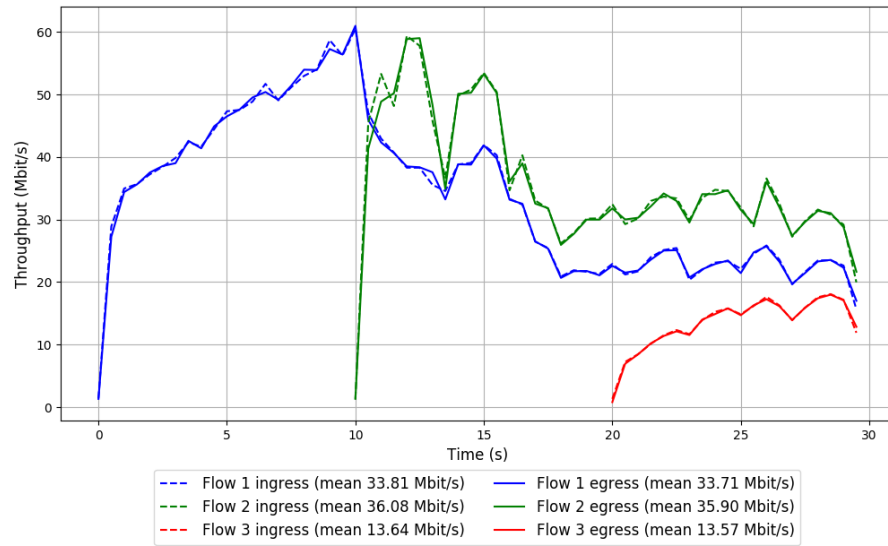


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-04 00:09:44
End at: 2018-04-04 00:10:14
Local clock offset: 0.53 ms
Remote clock offset: -3.355 ms

Below is generated by plot.py at 2018-04-04 02:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.02 Mbit/s
95th percentile per-packet one-way delay: 50.110 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 49.067 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 33.176 ms
Loss rate: 0.51%

Run 6: Report of QUIC Cubic — Data Link

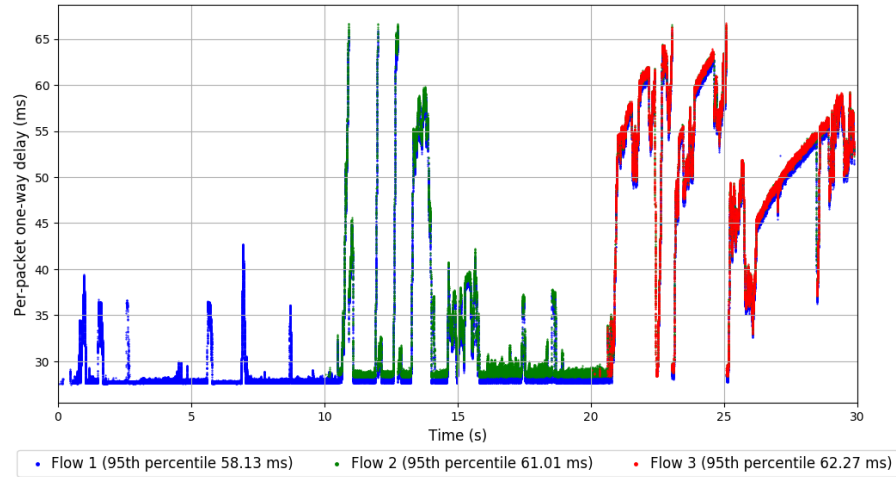
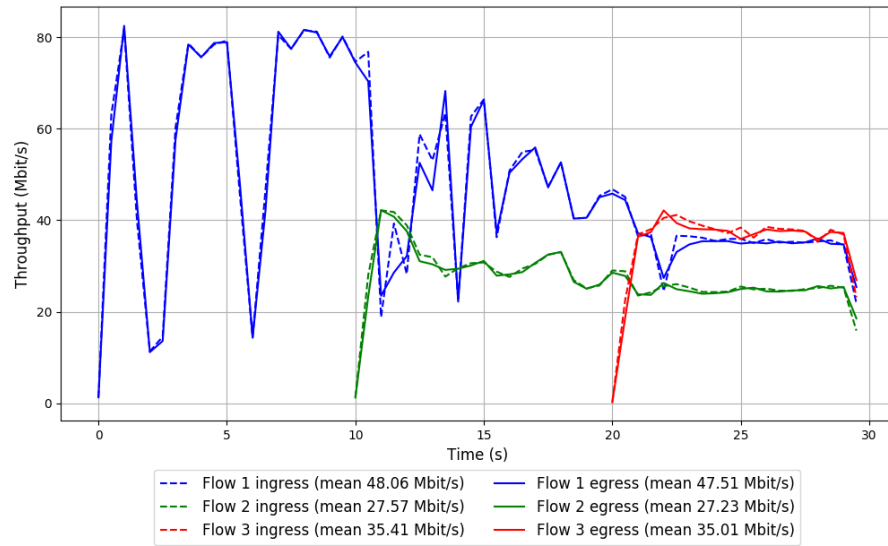


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-04 00:41:49
End at: 2018-04-04 00:42:19
Local clock offset: 0.36 ms
Remote clock offset: -2.409 ms

Below is generated by plot.py at 2018-04-04 02:59:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 60.548 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 58.129 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 61.011 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 62.271 ms
Loss rate: 0.89%

Run 7: Report of QUIC Cubic — Data Link

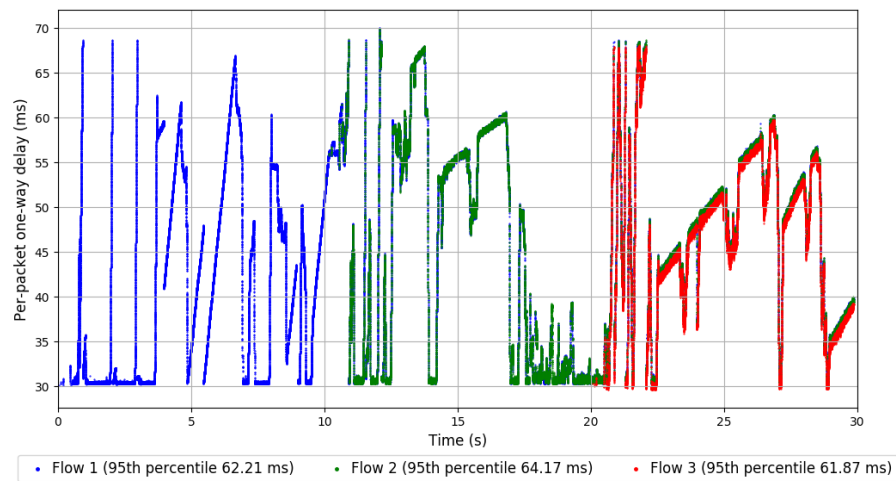
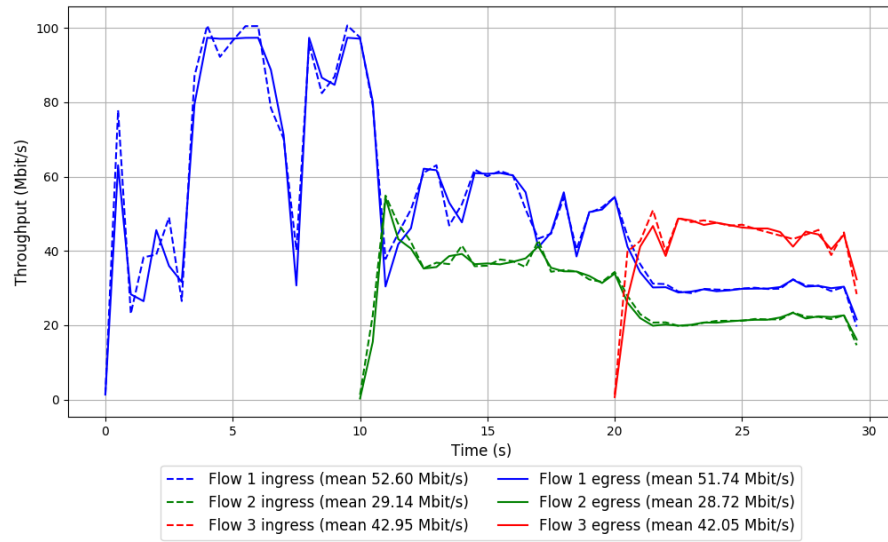


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-04 01:13:11
End at: 2018-04-04 01:13:41
Local clock offset: 0.578 ms
Remote clock offset: -1.618 ms

Below is generated by plot.py at 2018-04-04 02:59:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 62.484 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 62.212 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 64.170 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 61.869 ms
Loss rate: 2.03%

Run 8: Report of QUIC Cubic — Data Link

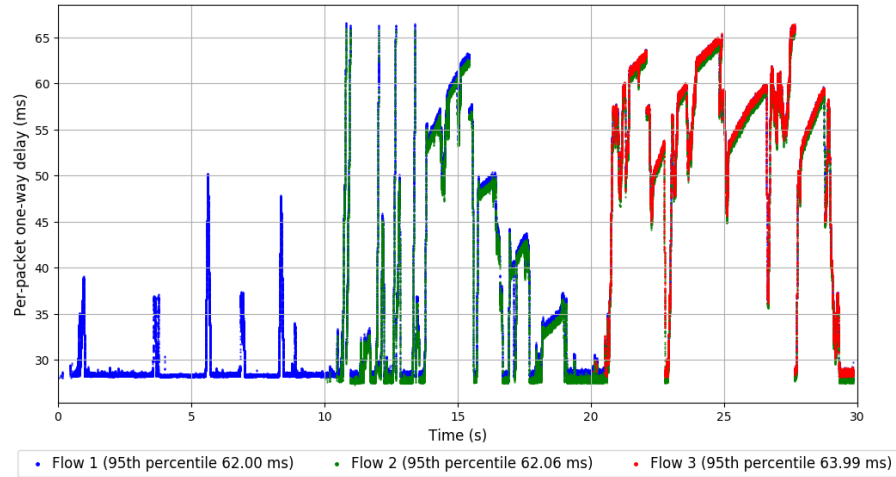
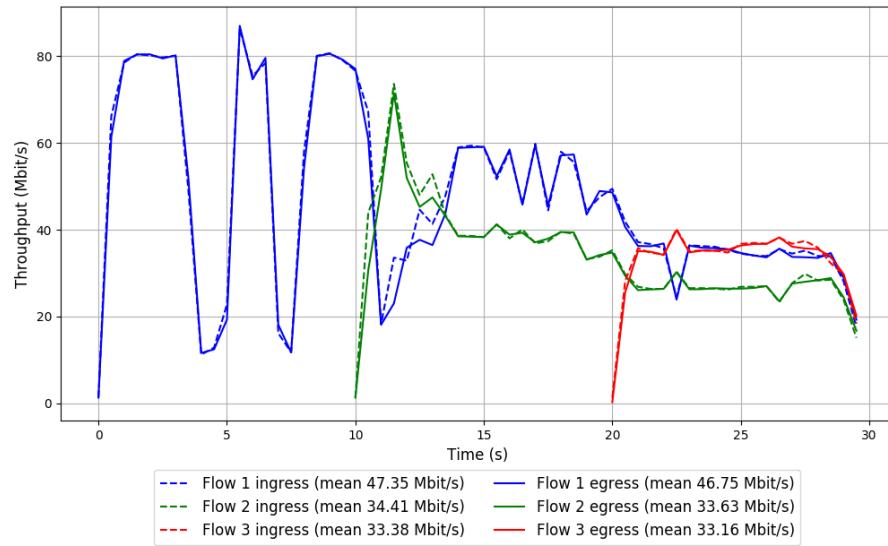


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-04 01:43:30
End at: 2018-04-04 01:44:00
Local clock offset: 0.349 ms
Remote clock offset: -4.359 ms

Below is generated by plot.py at 2018-04-04 02:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.98 Mbit/s
95th percentile per-packet one-way delay: 62.536 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 61.999 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 62.065 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 63.992 ms
Loss rate: 0.63%

Run 9: Report of QUIC Cubic — Data Link

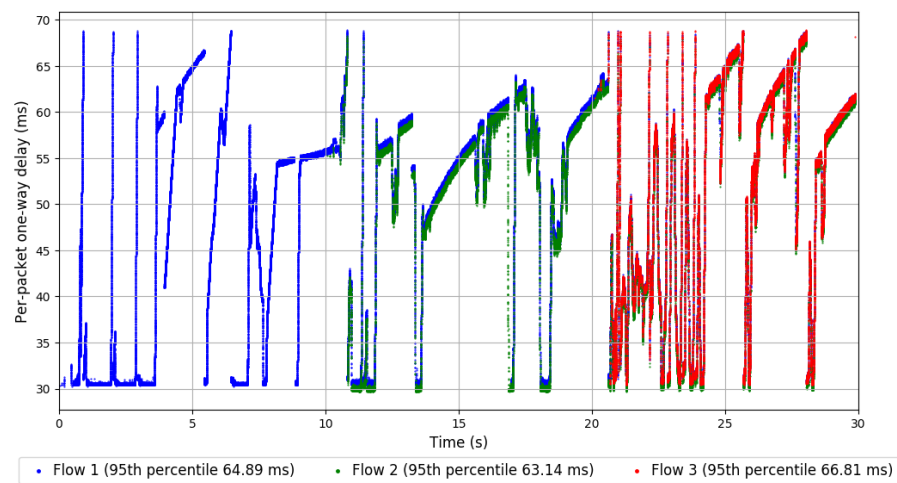
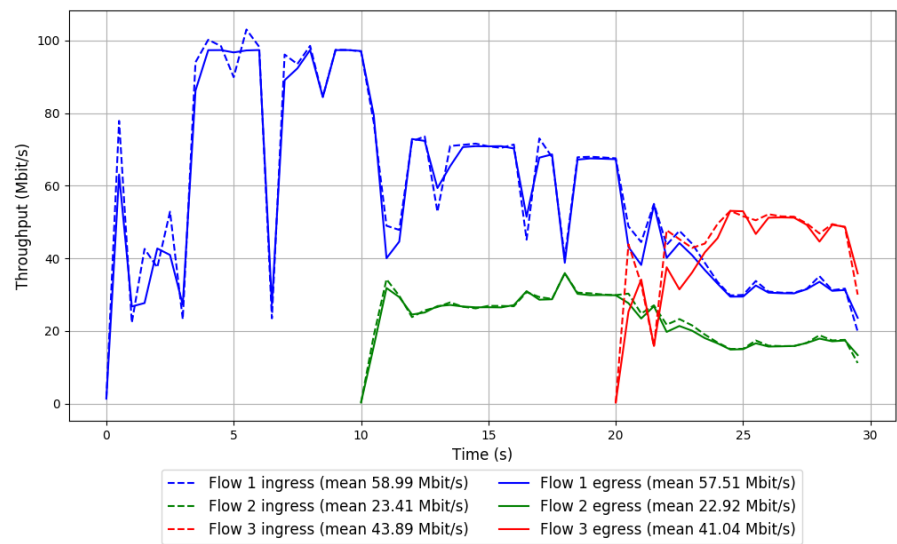


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-04 02:11:42
End at: 2018-04-04 02:12:12
Local clock offset: -0.138 ms
Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 65.414 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 57.51 Mbit/s
95th percentile per-packet one-way delay: 64.894 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 63.141 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 66.813 ms
Loss rate: 6.44%

Run 10: Report of QUIC Cubic — Data Link

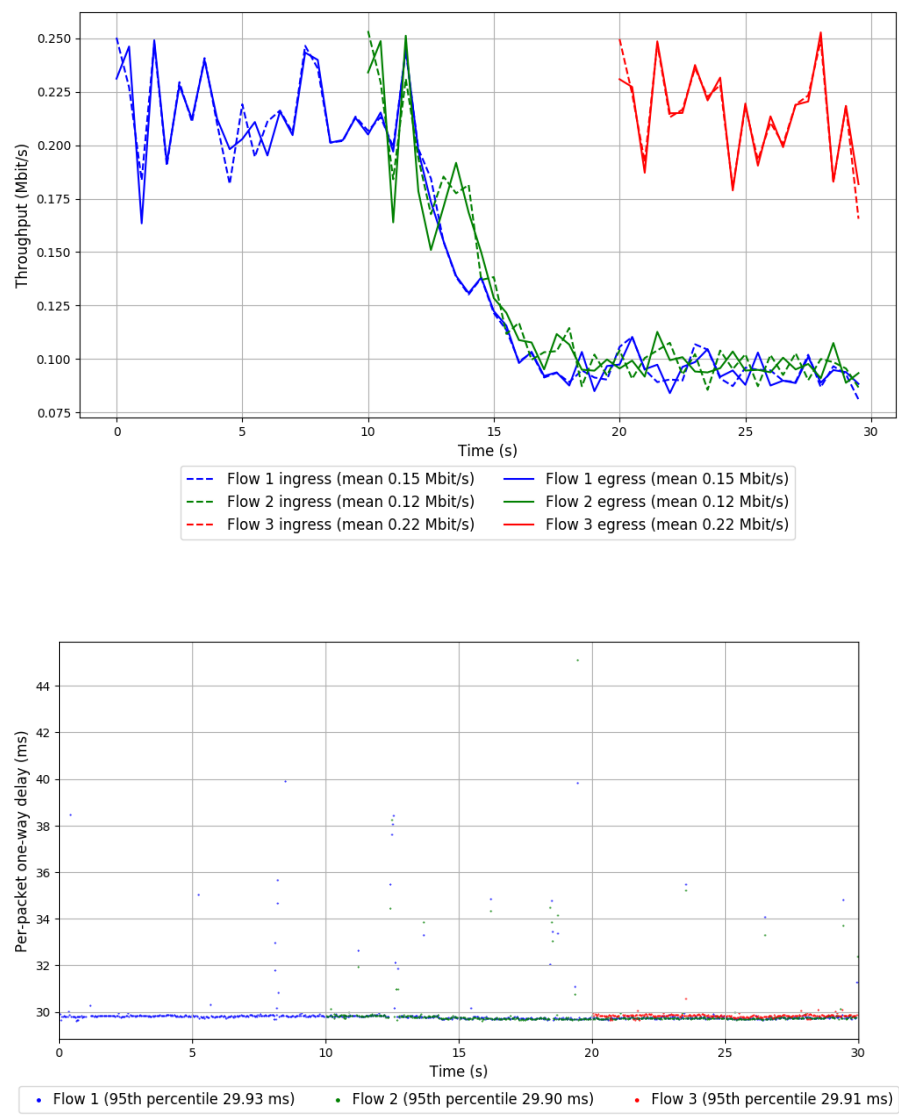


```
Run 1: Statistics of SCReAM

Start at: 2018-04-03 21:37:31
End at: 2018-04-03 21:38:01
Local clock offset: 0.848 ms
Remote clock offset: -2.444 ms

# Below is generated by plot.py at 2018-04-04 02:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 29.915 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 29.927 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 29.898 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.913 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

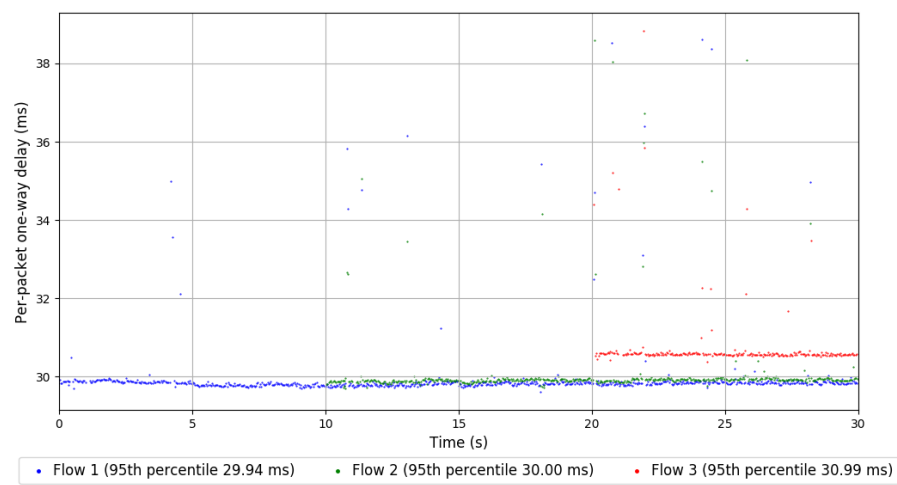
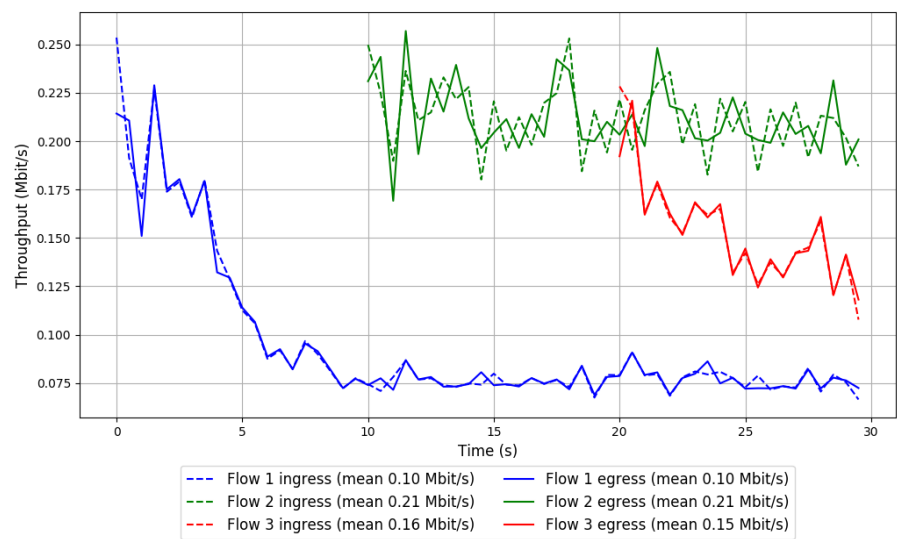


Run 2: Statistics of SReAM

Start at: 2018-04-03 22:07:04
End at: 2018-04-03 22:07:34
Local clock offset: 0.822 ms
Remote clock offset: -6.767 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 29.936 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.000 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 30.986 ms
Loss rate: 0.57%

Run 2: Report of SReAM — Data Link

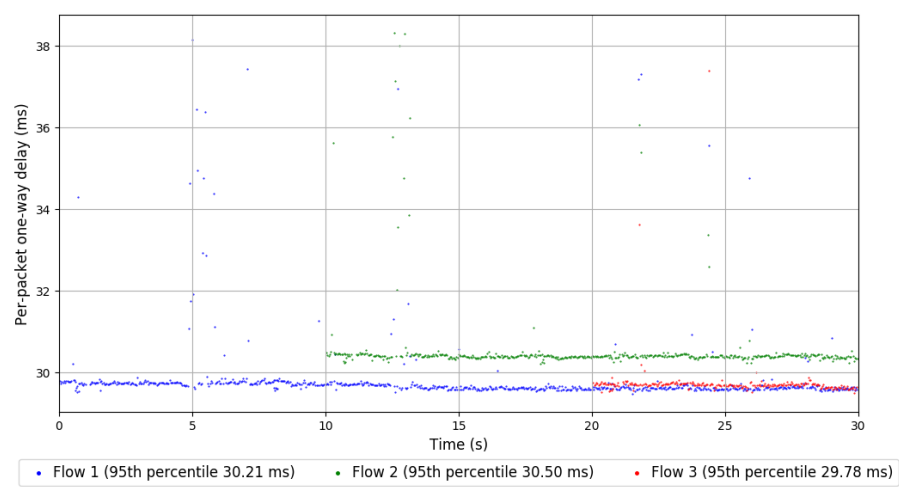
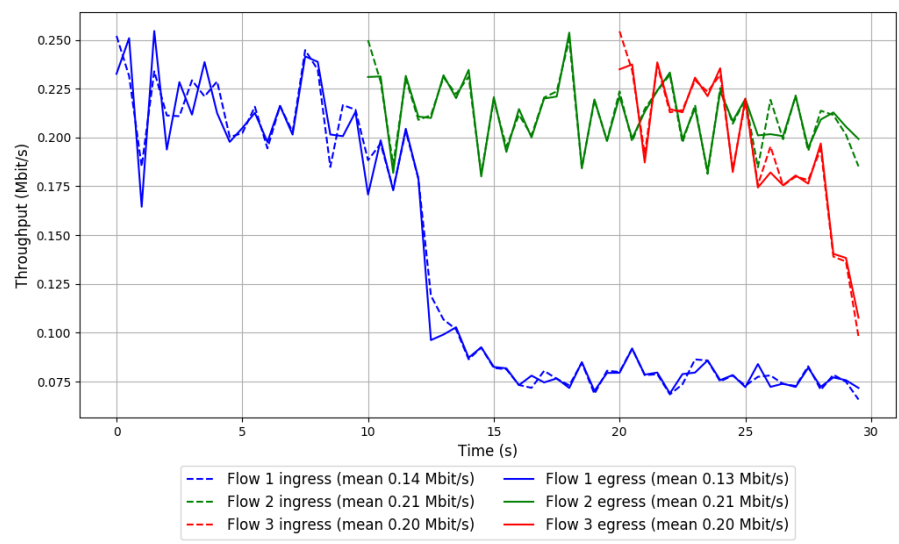


Run 3: Statistics of SReAM

Start at: 2018-04-03 22:39:20
End at: 2018-04-03 22:39:50
Local clock offset: 1.274 ms
Remote clock offset: -1.314 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 30.457 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 30.209 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 29.778 ms
Loss rate: 0.41%

Run 3: Report of SReAM — Data Link

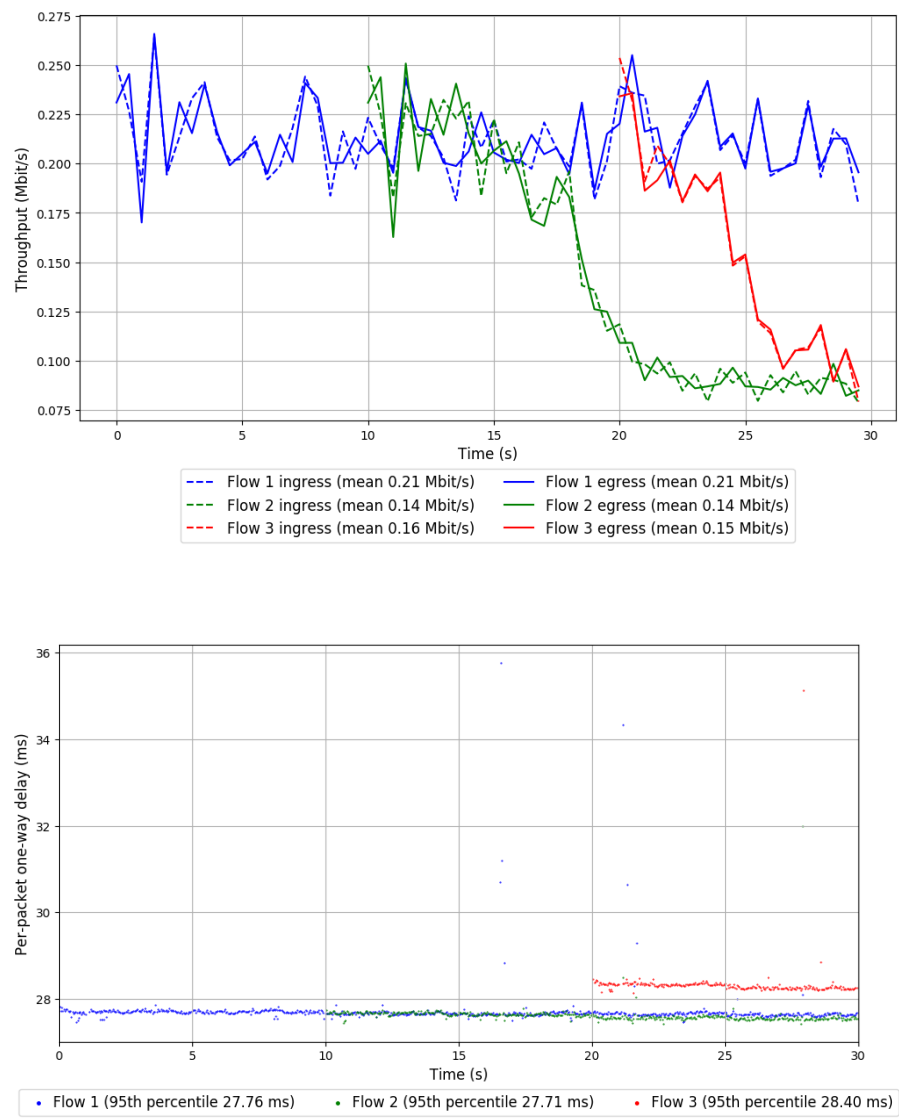


Run 4: Statistics of SCReAM

Start at: 2018-04-03 23:12:08
End at: 2018-04-03 23:12:38
Local clock offset: 1.206 ms
Remote clock offset: -2.145 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 28.347 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 27.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 27.713 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 28.397 ms
Loss rate: 0.65%

Run 4: Report of SReAM — Data Link

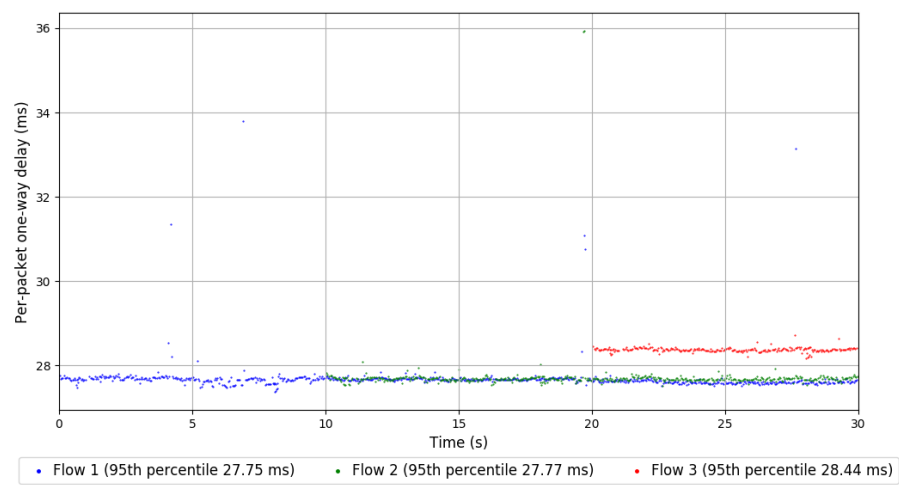
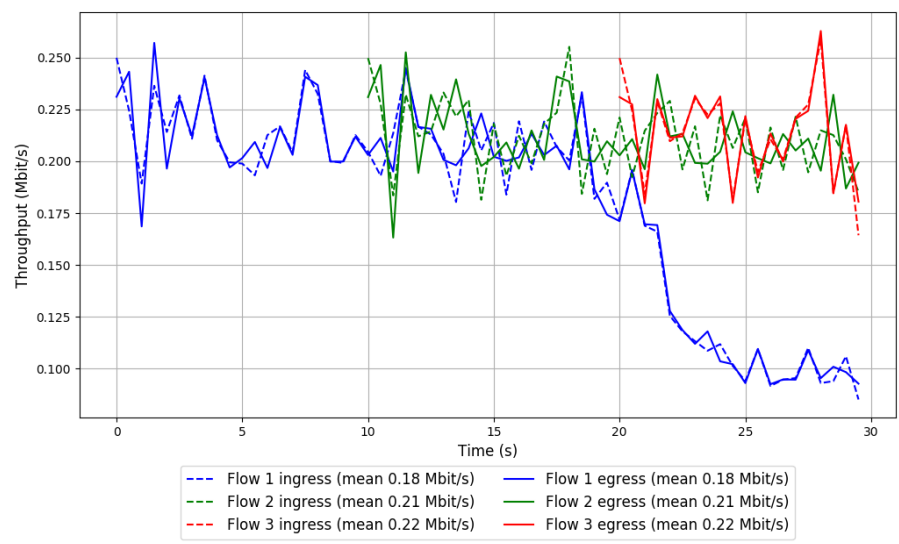


Run 5: Statistics of SReAM

Start at: 2018-04-03 23:45:13
End at: 2018-04-03 23:45:43
Local clock offset: 0.893 ms
Remote clock offset: -5.547 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 28.399 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 27.748 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 27.767 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.438 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

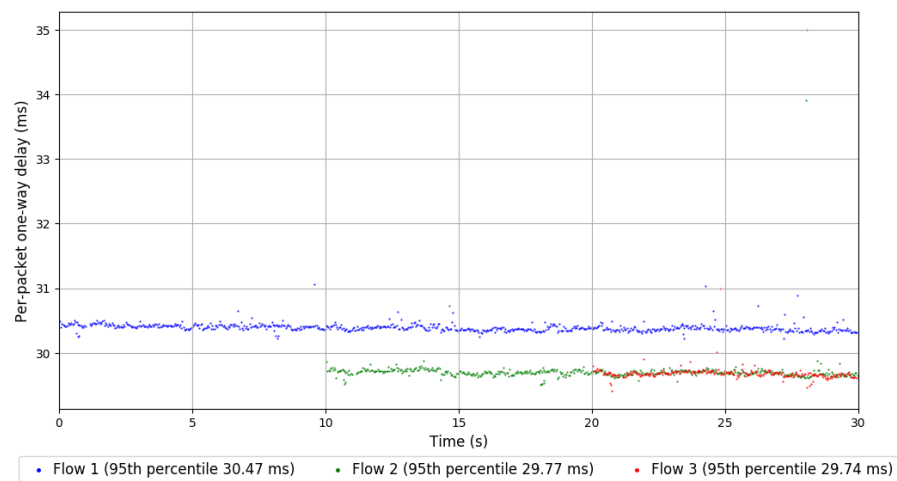
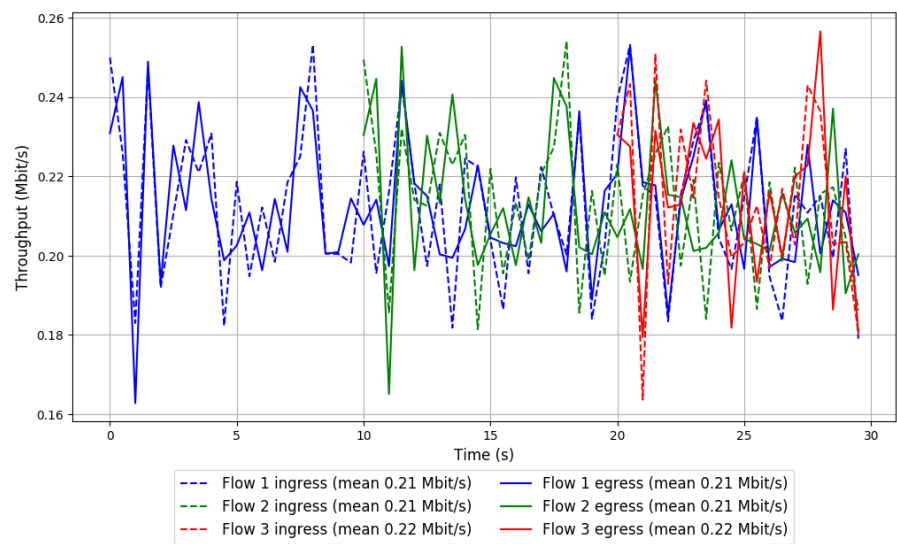


Run 6: Statistics of SReAM

Start at: 2018-04-04 00:16:28
End at: 2018-04-04 00:16:58
Local clock offset: 0.374 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.471 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.765 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.738 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

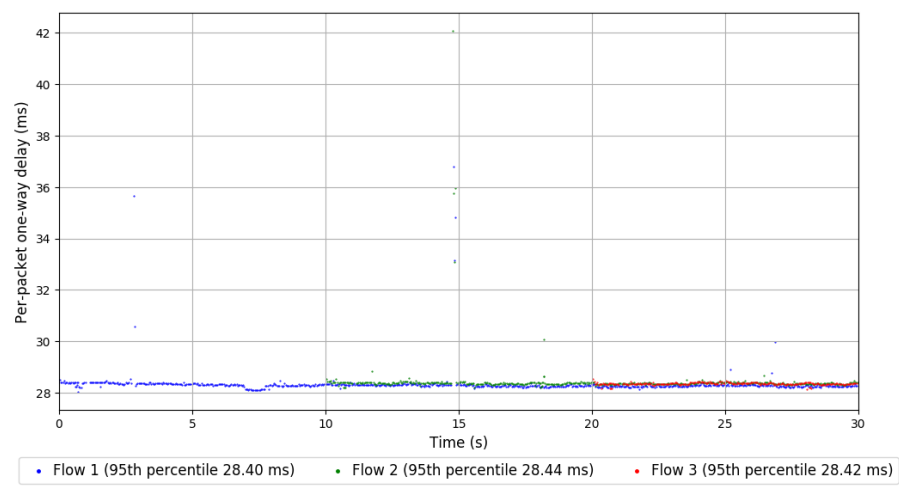
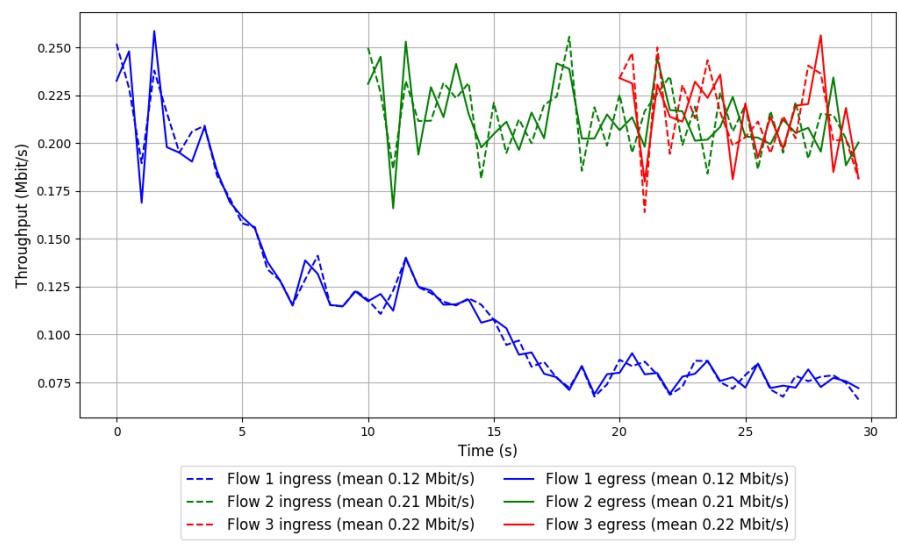


Run 7: Statistics of SReAM

Start at: 2018-04-04 00:49:02
End at: 2018-04-04 00:49:32
Local clock offset: 0.518 ms
Remote clock offset: -3.009 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 28.401 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.00%

Run 7: Report of SCReAM — Data Link

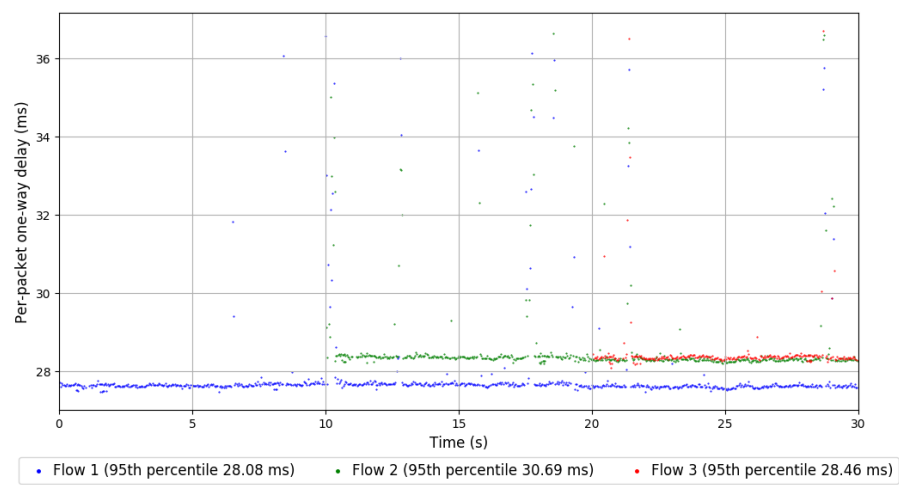
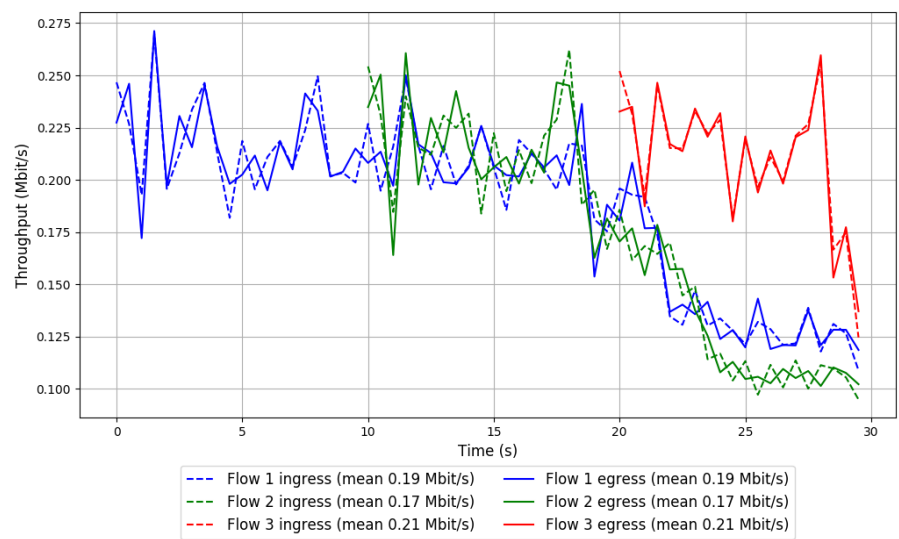


Run 8: Statistics of SCReAM

Start at: 2018-04-04 01:19:57
End at: 2018-04-04 01:20:27
Local clock offset: 0.511 ms
Remote clock offset: -4.13 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 29.170 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 28.083 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 30.693 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.458 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

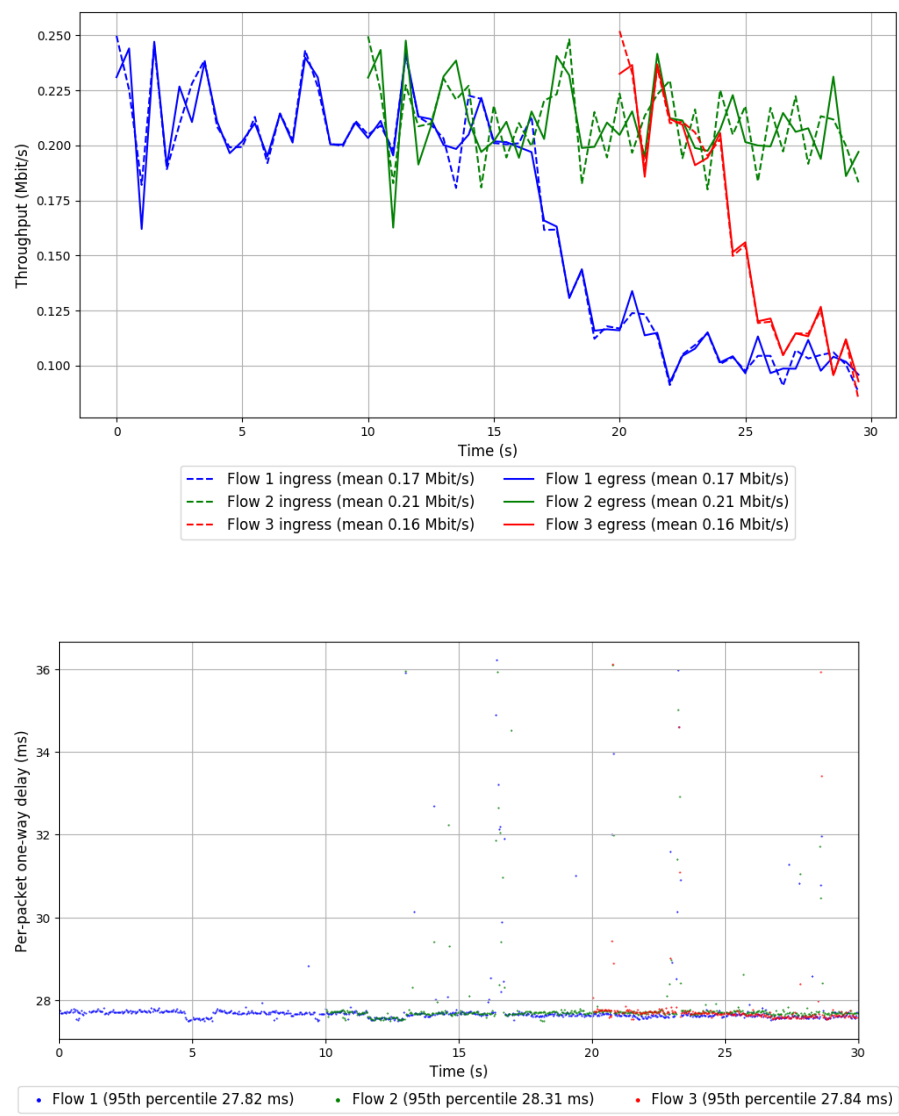


Run 9: Statistics of SReAM

Start at: 2018-04-04 01:49:37
End at: 2018-04-04 01:50:07
Local clock offset: 0.273 ms
Remote clock offset: -3.921 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 27.912 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 27.822 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.312 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 27.843 ms
Loss rate: 0.54%

Run 9: Report of SReAM — Data Link

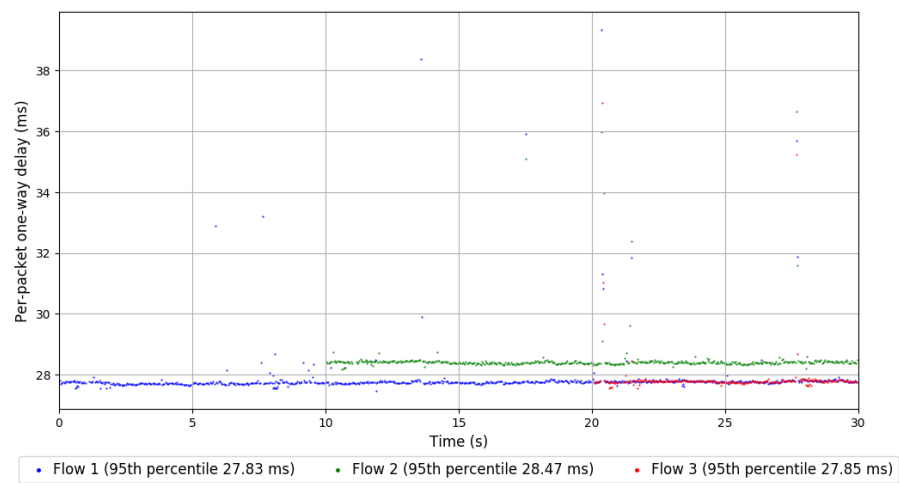
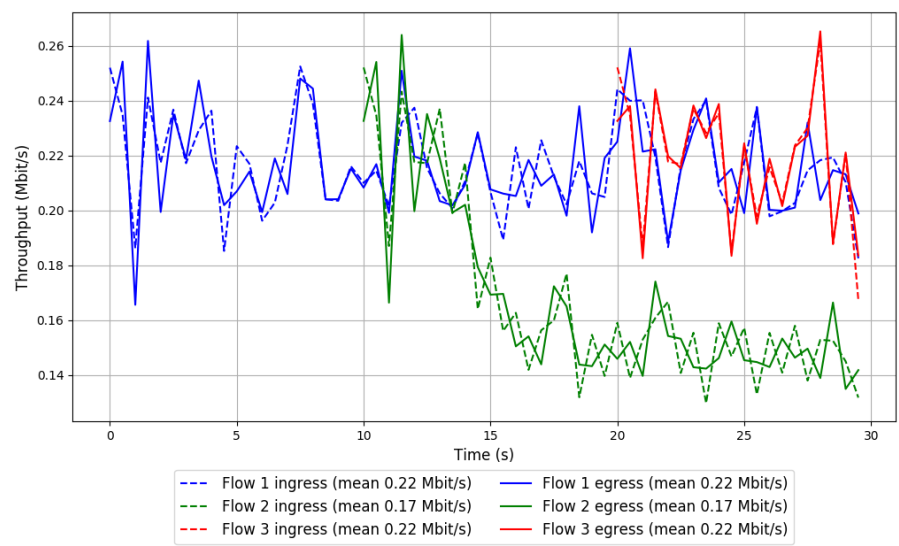


Run 10: Statistics of SReAM

Start at: 2018-04-04 02:17:41
End at: 2018-04-04 02:18:11
Local clock offset: -0.082 ms
Remote clock offset: -3.153 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 28.449 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 28.473 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.851 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

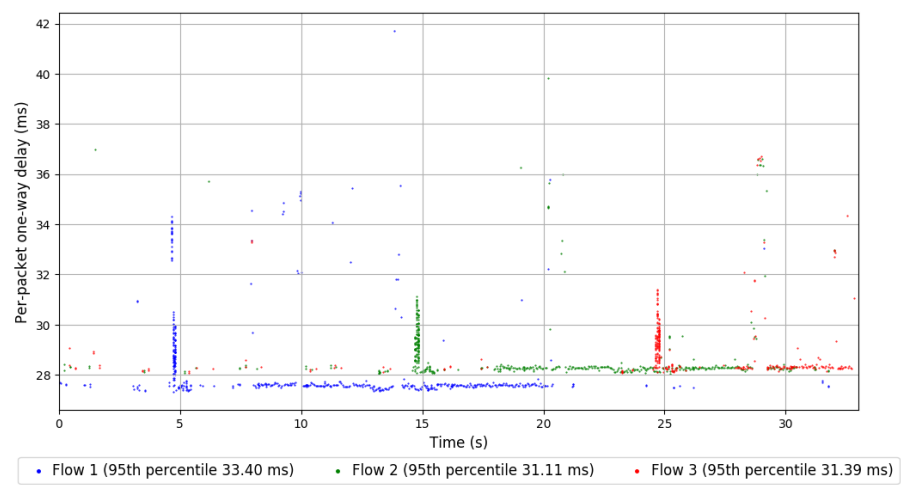
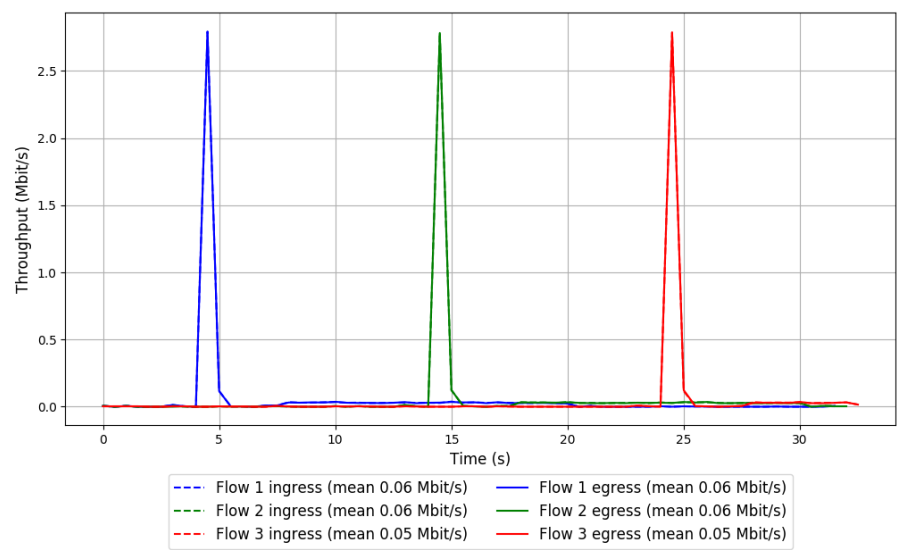


Run 1: Statistics of WebRTC media

Start at: 2018-04-03 21:23:35
End at: 2018-04-03 21:24:05
Local clock offset: 0.803 ms
Remote clock offset: -4.055 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.893 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 33.400 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.110 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.390 ms
Loss rate: 0.32%

Run 1: Report of WebRTC media — Data Link

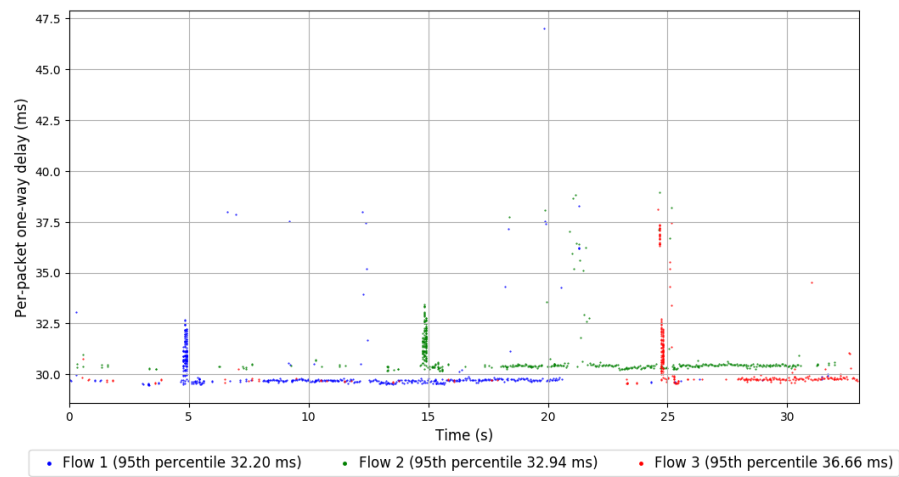
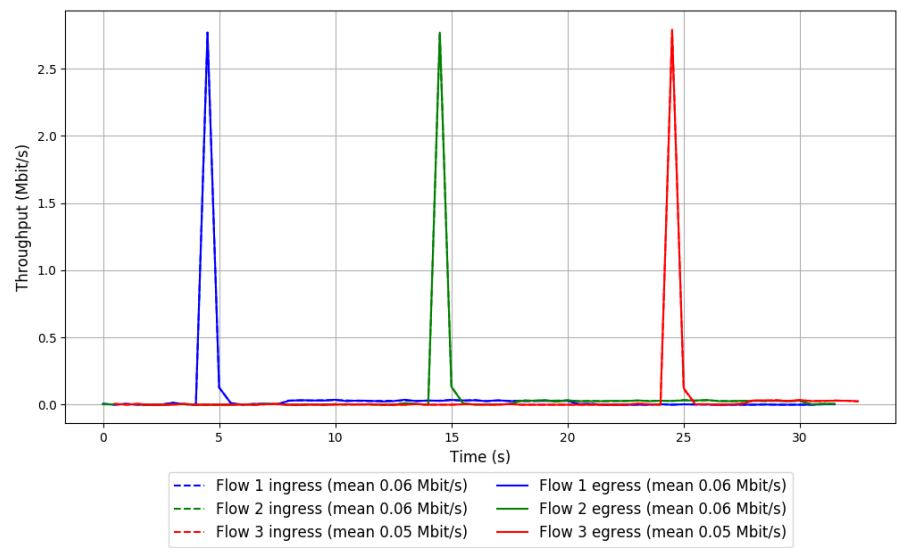


Run 2: Statistics of WebRTC media

Start at: 2018-04-03 21:53:35
End at: 2018-04-03 21:54:05
Local clock offset: 0.921 ms
Remote clock offset: -5.001 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 33.340 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.197 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.943 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 36.657 ms
Loss rate: 0.04%

Run 2: Report of WebRTC media — Data Link

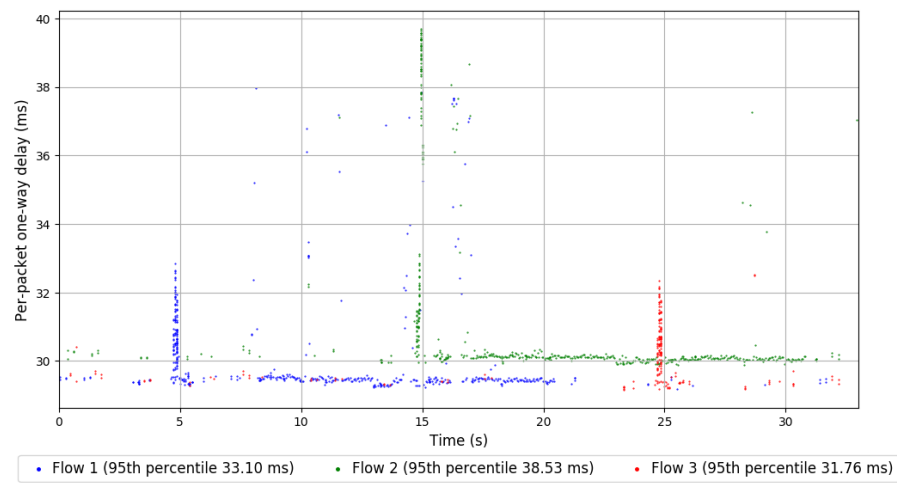
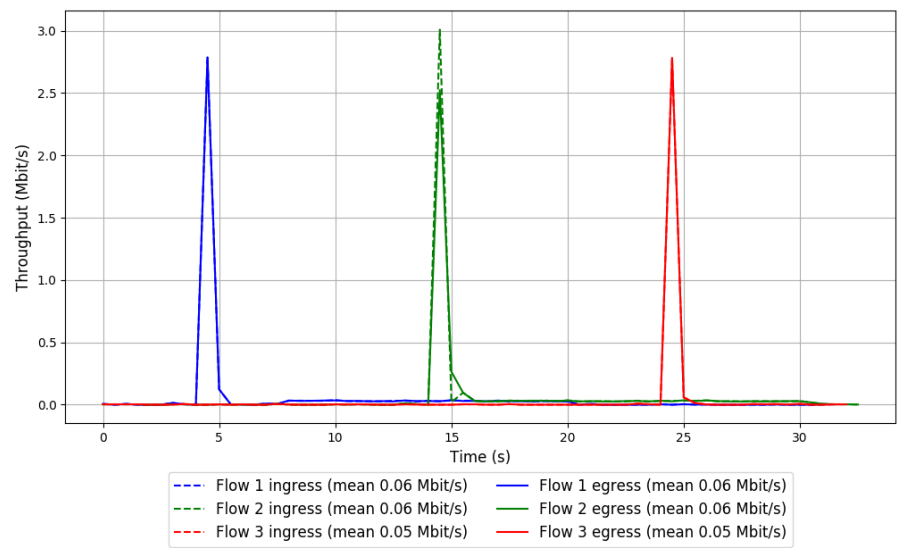


Run 3: Statistics of WebRTC media

Start at: 2018-04-03 22:23:44
End at: 2018-04-03 22:24:14
Local clock offset: 1.079 ms
Remote clock offset: -4.623 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 37.085 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 33.096 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 38.526 ms
Loss rate: 5.97%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 31.758 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

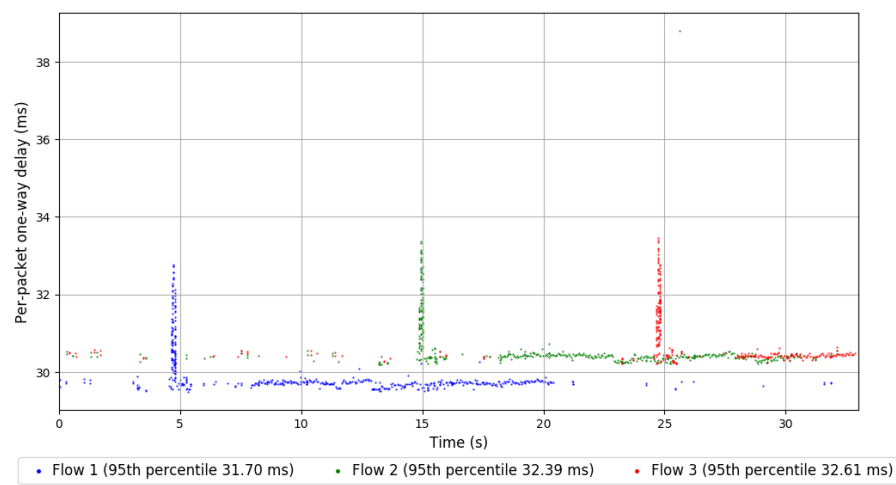
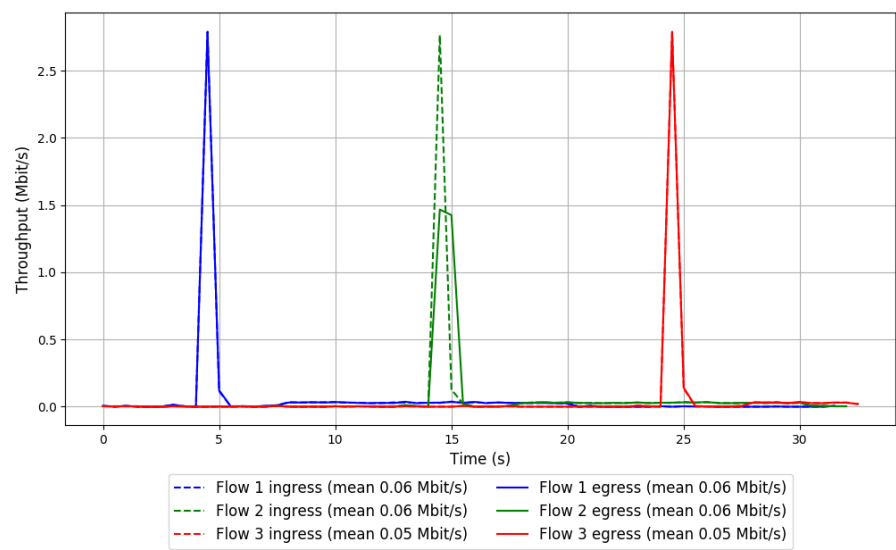


Run 4: Statistics of WebRTC media

Start at: 2018-04-03 22:57:21
End at: 2018-04-03 22:57:51
Local clock offset: 1.212 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.219 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.609 ms
Loss rate: 0.13%

Run 4: Report of WebRTC media — Data Link

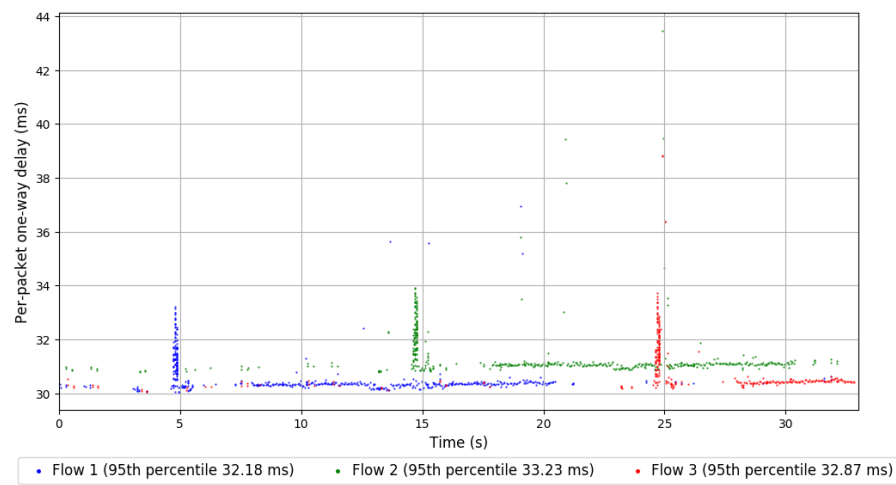
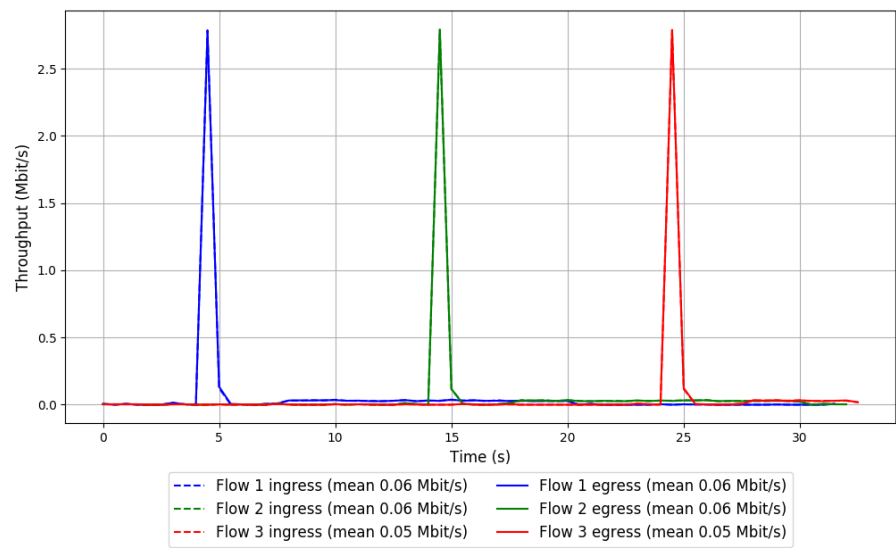


Run 5: Statistics of WebRTC media

Start at: 2018-04-03 23:29:55
End at: 2018-04-03 23:30:25
Local clock offset: 1.099 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.177 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 33.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.869 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-04 00:02:28

End at: 2018-04-04 00:02:58

Local clock offset: 0.745 ms

Remote clock offset: -4.72 ms

Below is generated by plot.py at 2018-04-04 02:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 29.711 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 29.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 29.865 ms

Loss rate: 0.00%

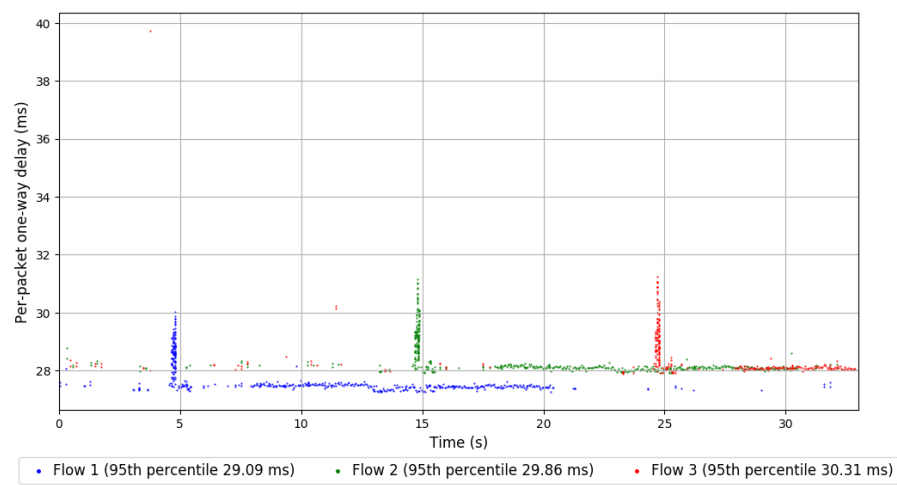
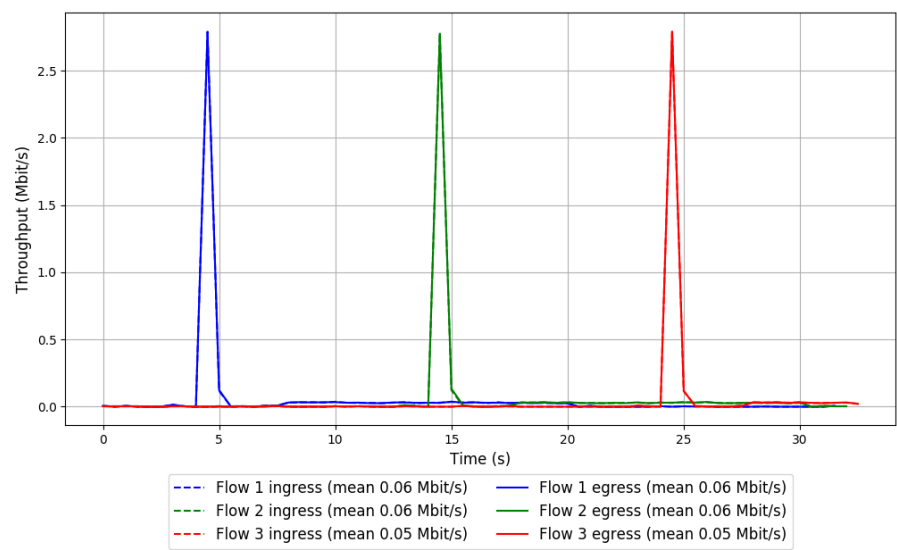
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 30.309 ms

Loss rate: 0.04%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-04 00:34:22

End at: 2018-04-04 00:34:52

Local clock offset: 0.223 ms

Remote clock offset: 1.073 ms

Below is generated by plot.py at 2018-04-04 02:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 32.076 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 31.628 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 31.754 ms

Loss rate: 0.00%

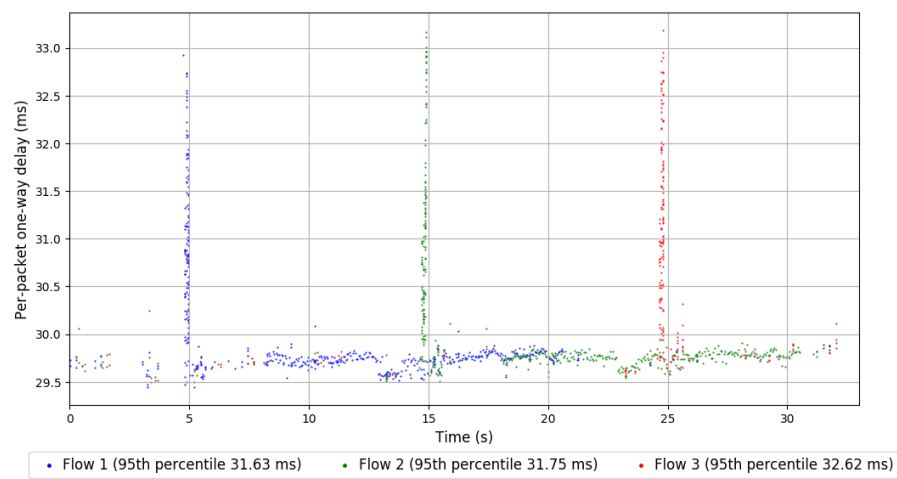
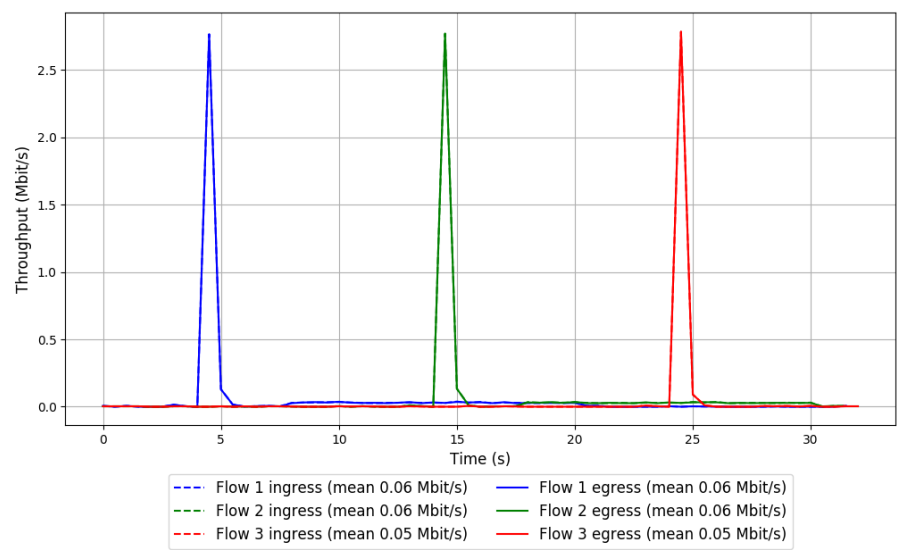
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.620 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

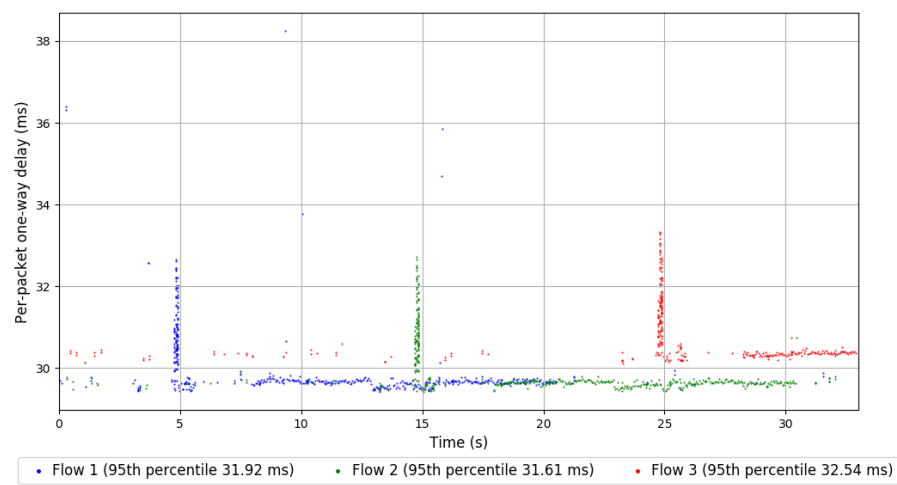
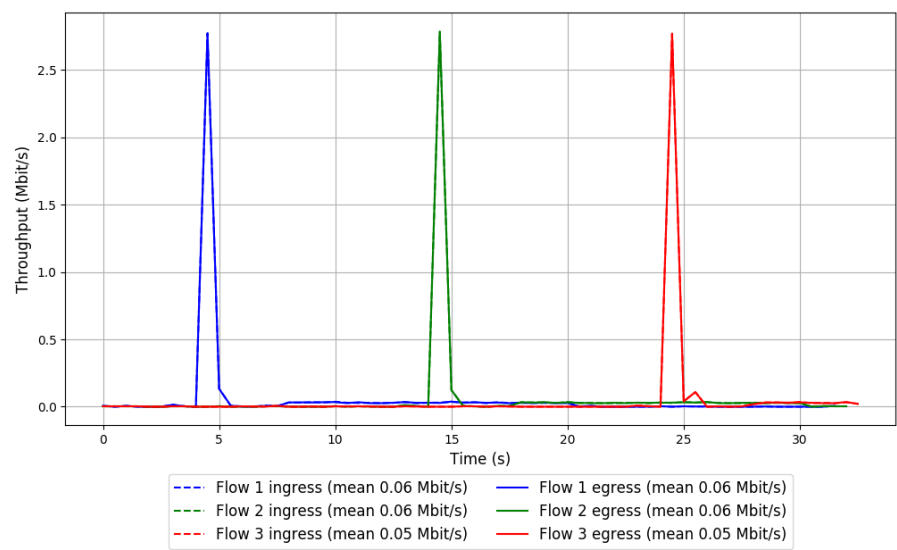


Run 8: Statistics of WebRTC media

Start at: 2018-04-04 01:06:17
End at: 2018-04-04 01:06:47
Local clock offset: 0.606 ms
Remote clock offset: -1.028 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 32.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.544 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

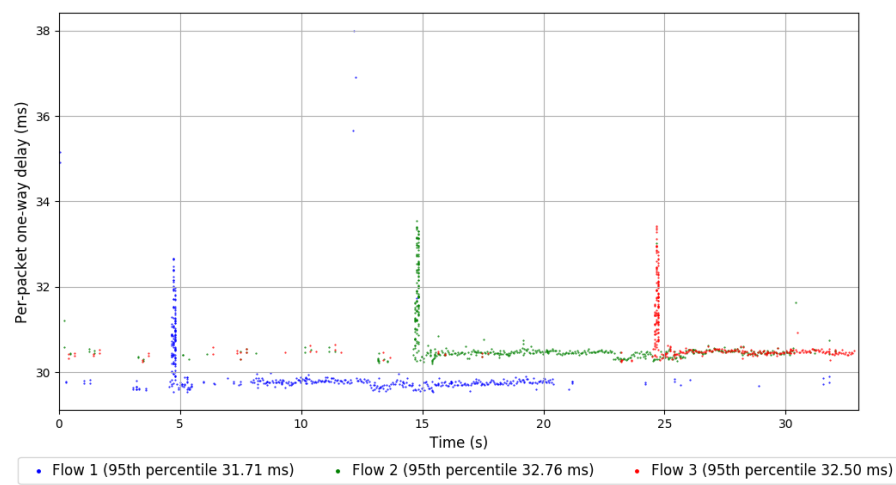
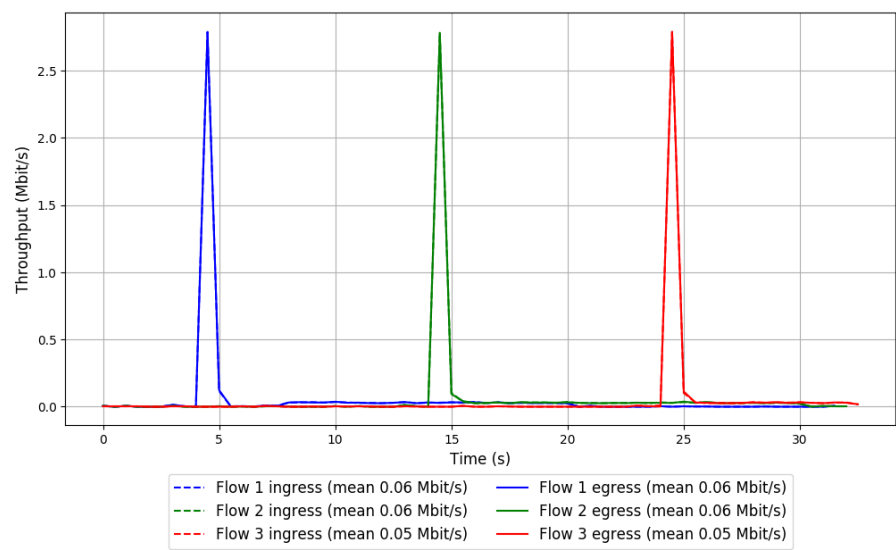


Run 9: Statistics of WebRTC media

Start at: 2018-04-04 01:36:15
End at: 2018-04-04 01:36:46
Local clock offset: 0.277 ms
Remote clock offset: -2.388 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 32.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 31.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 32.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 32.503 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

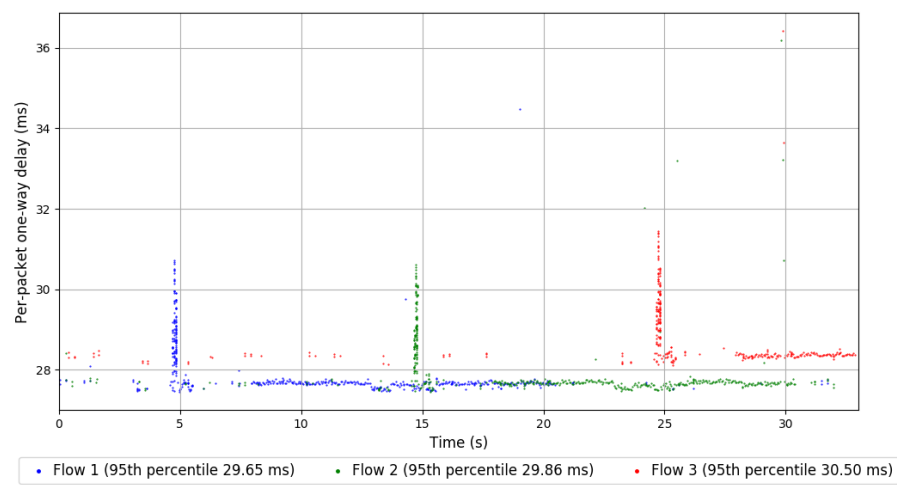
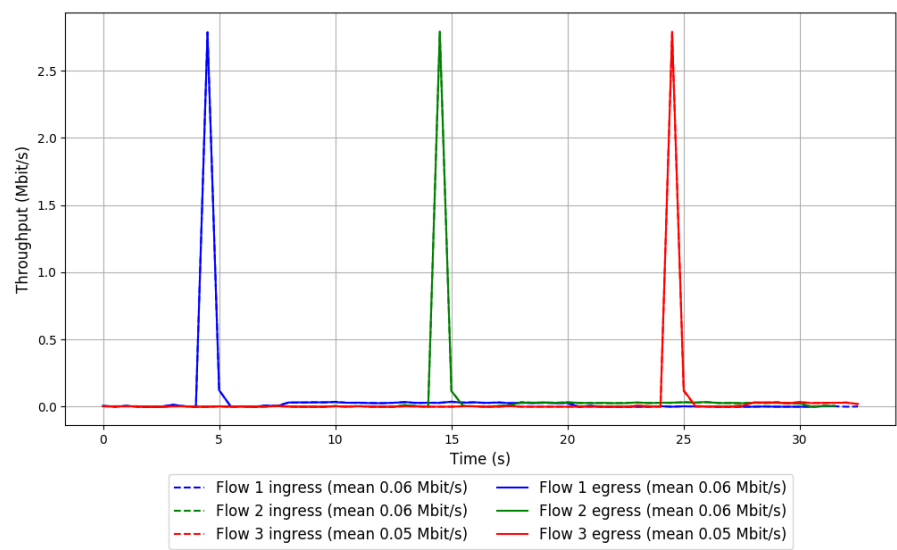


Run 10: Statistics of WebRTC media

Start at: 2018-04-04 02:05:24
End at: 2018-04-04 02:05:54
Local clock offset: -0.048 ms
Remote clock offset: -3.354 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 30.048 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 29.651 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 29.858 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.496 ms
Loss rate: 0.08%

Run 10: Report of WebRTC media — Data Link

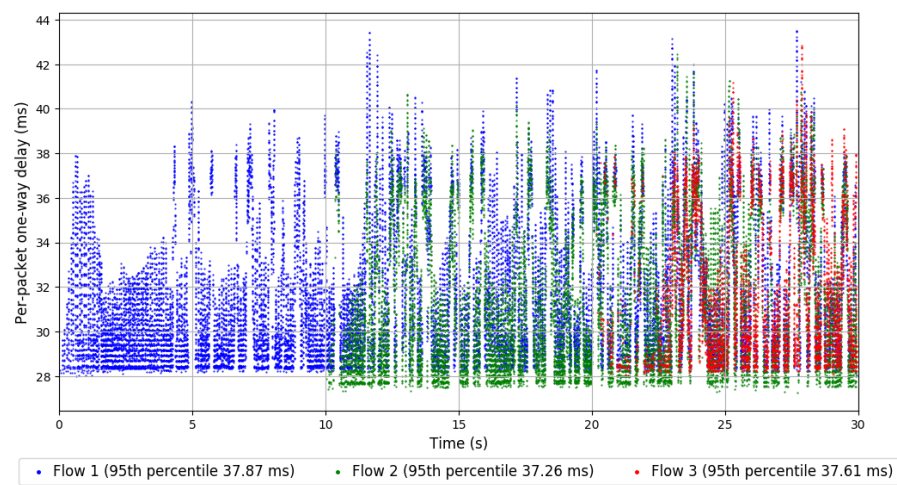
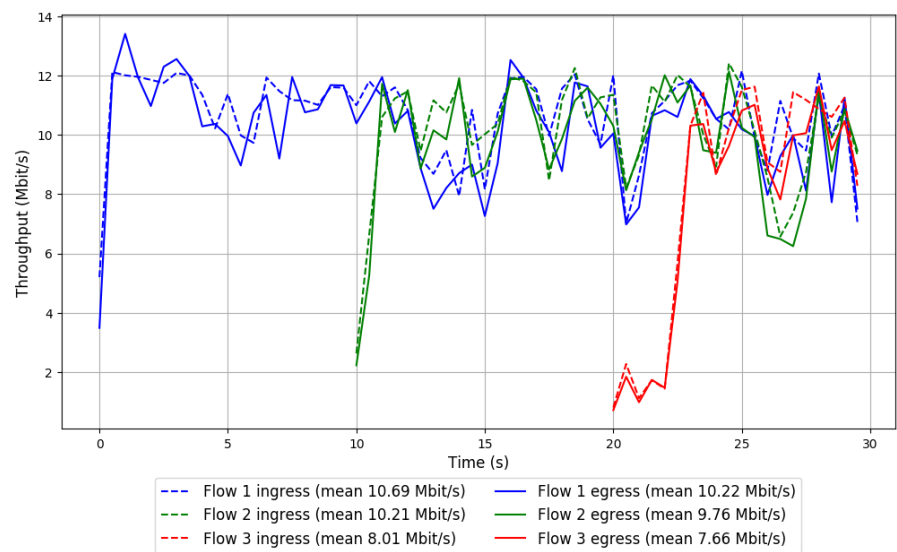


Run 1: Statistics of Sprout

Start at: 2018-04-03 21:15:41
End at: 2018-04-03 21:16:11
Local clock offset: 0.784 ms
Remote clock offset: -4.187 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 37.658 ms
Loss rate: 4.46%
-- Flow 1:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 37.868 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 37.261 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 37.614 ms
Loss rate: 5.41%

Run 1: Report of Sprout — Data Link

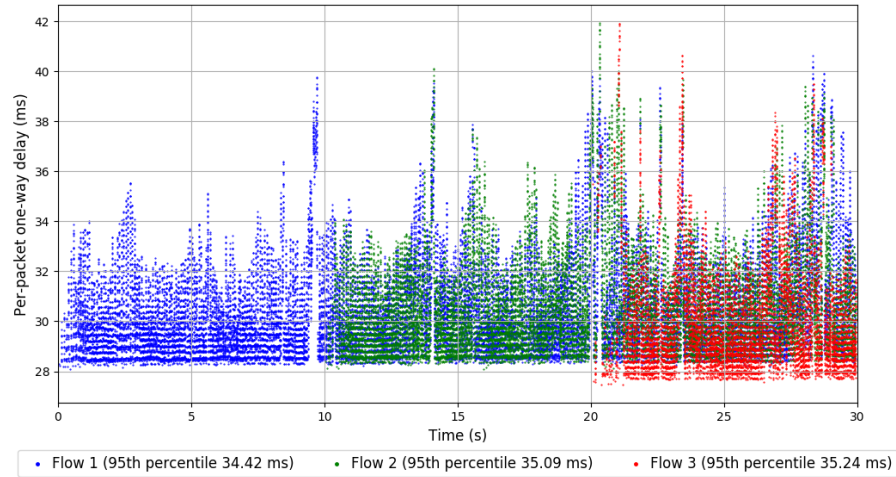
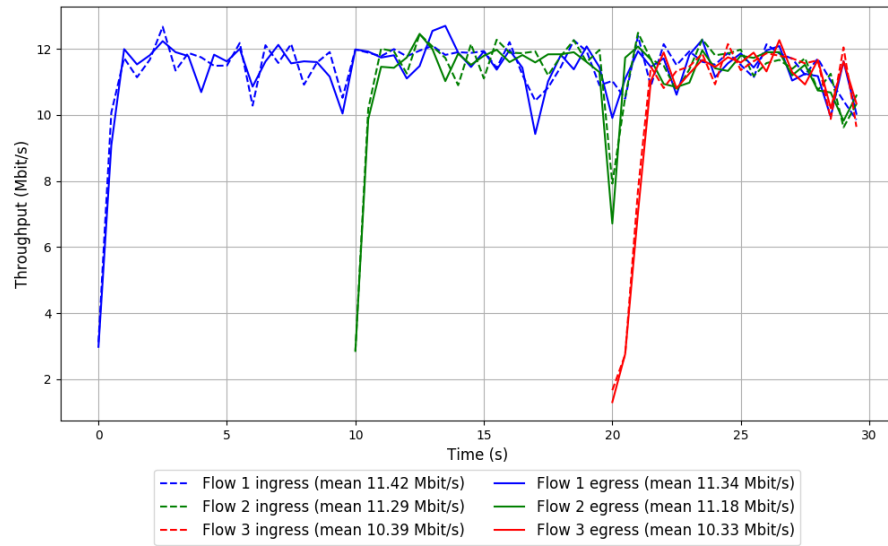


Run 2: Statistics of Sprout

Start at: 2018-04-03 21:45:36
End at: 2018-04-03 21:46:06
Local clock offset: 0.933 ms
Remote clock offset: -5.419 ms

Below is generated by plot.py at 2018-04-04 02:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.19 Mbit/s
95th percentile per-packet one-way delay: 34.774 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 11.34 Mbit/s
95th percentile per-packet one-way delay: 34.423 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 35.091 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 35.238 ms
Loss rate: 0.58%

Run 2: Report of Sprout — Data Link

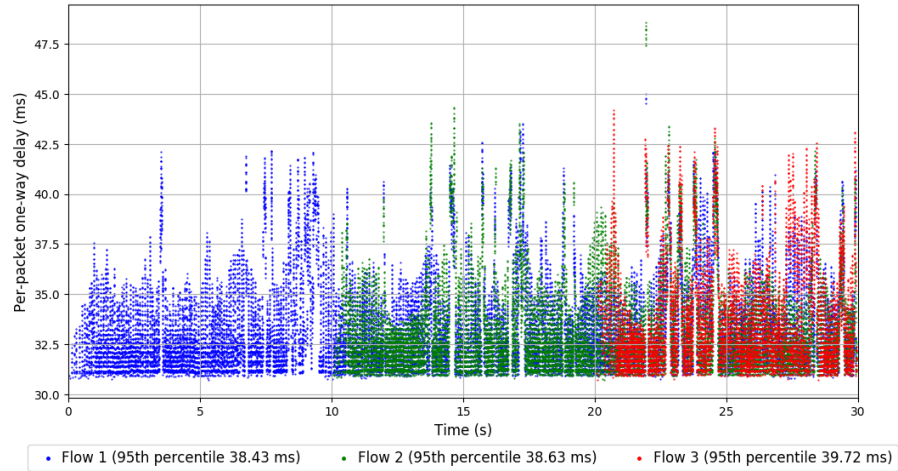
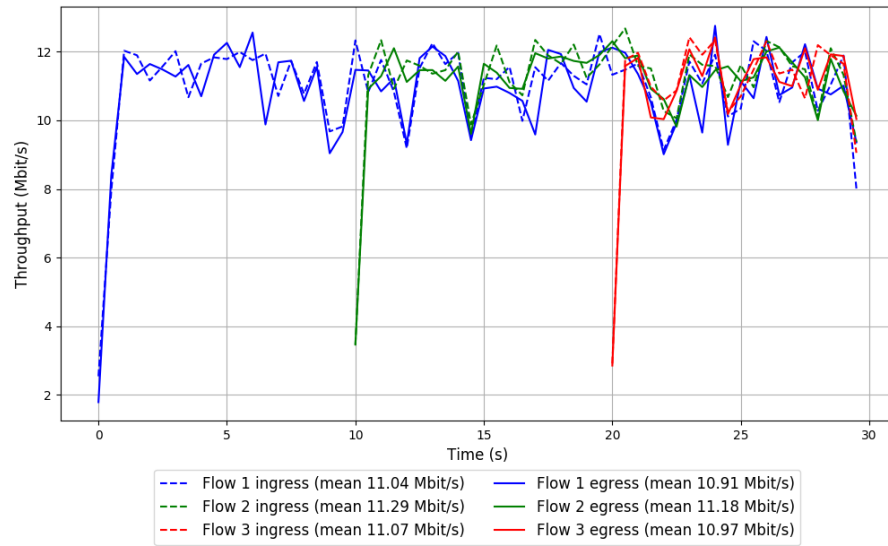


Run 3: Statistics of Sprout

Start at: 2018-04-03 22:14:52
End at: 2018-04-03 22:15:22
Local clock offset: 0.863 ms
Remote clock offset: -7.087 ms

```
# Below is generated by plot.py at 2018-04-04 02:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 38.795 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 38.427 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 38.632 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 39.716 ms
Loss rate: 0.90%
```


Run 3: Report of Sprout — Data Link

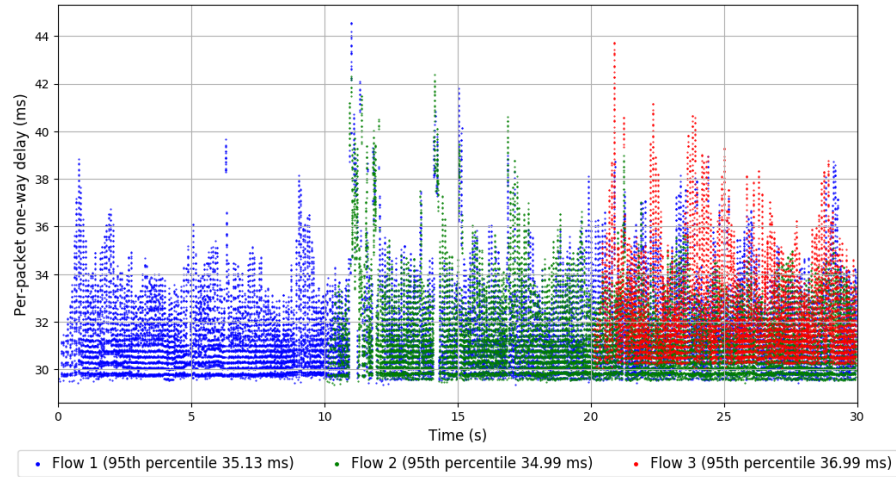
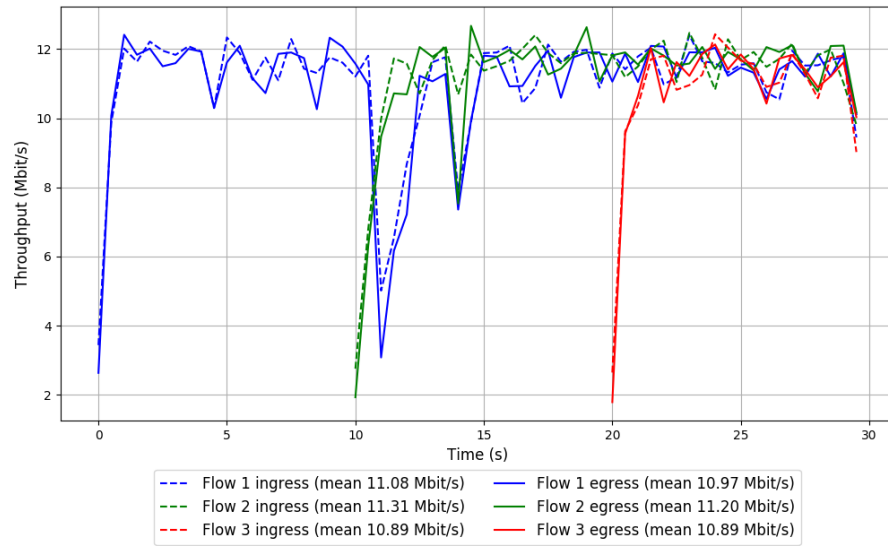


Run 4: Statistics of Sprout

Start at: 2018-04-03 22:47:46
End at: 2018-04-03 22:48:16
Local clock offset: 1.332 ms
Remote clock offset: -0.713 ms

```
# Below is generated by plot.py at 2018-04-04 02:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: 35.524 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 35.127 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 34.994 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 36.995 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-04-03 23:20:50

End at: 2018-04-03 23:21:20

Local clock offset: 1.239 ms

Remote clock offset: 0.928 ms

Below is generated by plot.py at 2018-04-04 02:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: 35.253 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.32 Mbit/s

95th percentile per-packet one-way delay: 35.015 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 35.837 ms

Loss rate: 0.00%

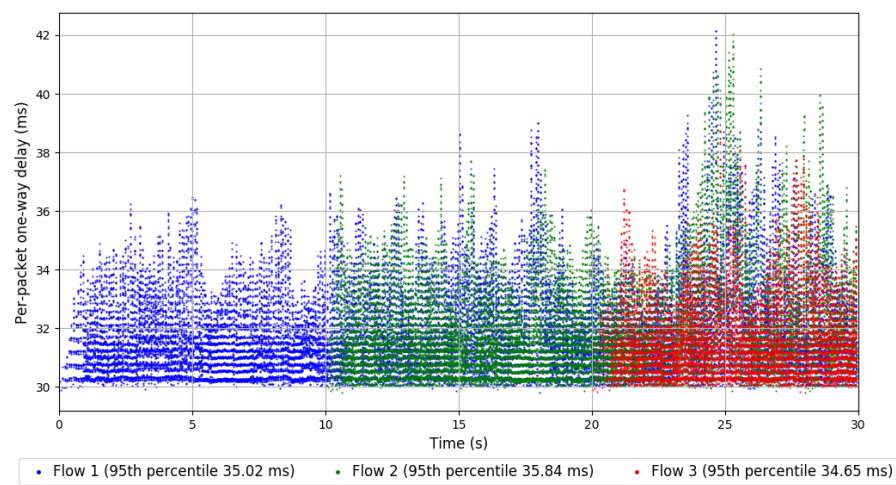
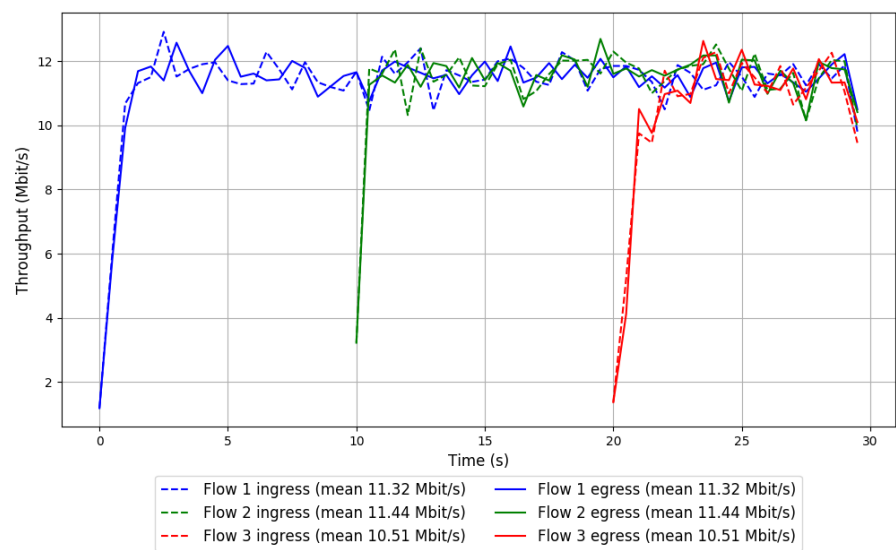
-- Flow 3:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 34.654 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-03 23:53:32

End at: 2018-04-03 23:54:02

Local clock offset: 0.729 ms

Remote clock offset: -5.55 ms

Below is generated by plot.py at 2018-04-04 02:59:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.70 Mbit/s

95th percentile per-packet one-way delay: 34.410 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 11.53 Mbit/s

95th percentile per-packet one-way delay: 34.363 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 34.384 ms

Loss rate: 0.14%

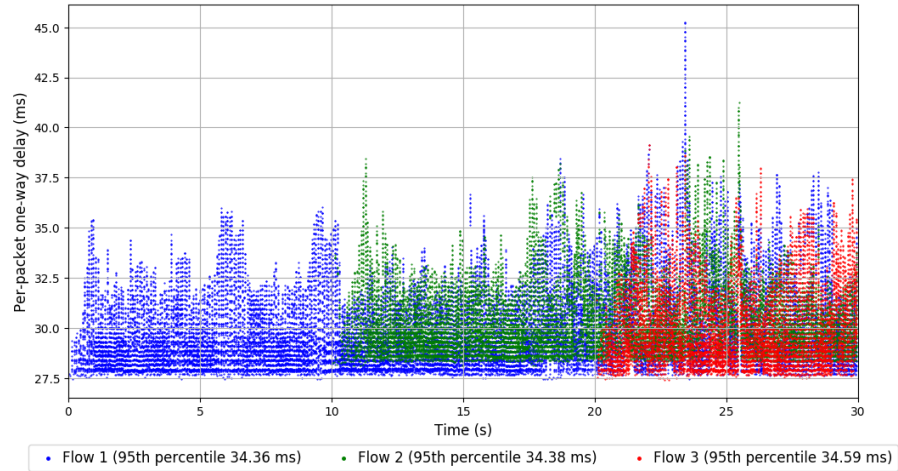
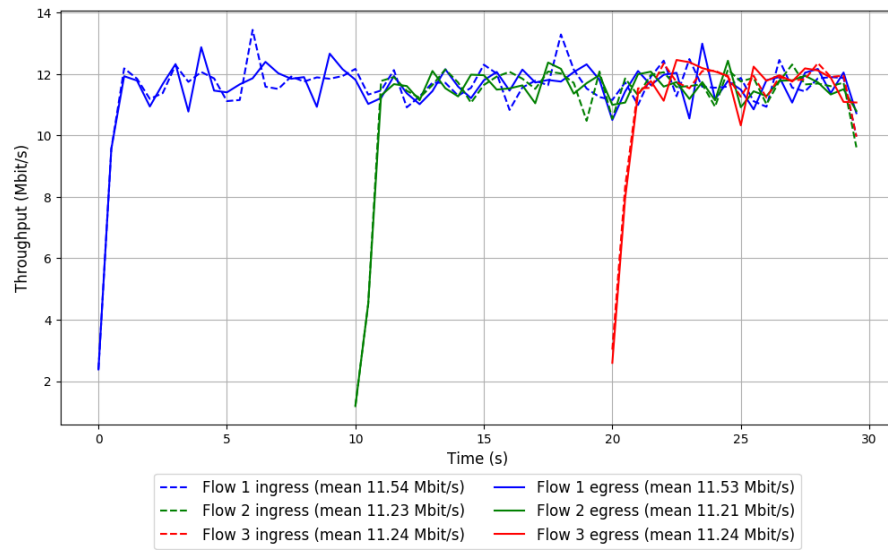
-- Flow 3:

Average throughput: 11.24 Mbit/s

95th percentile per-packet one-way delay: 34.593 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

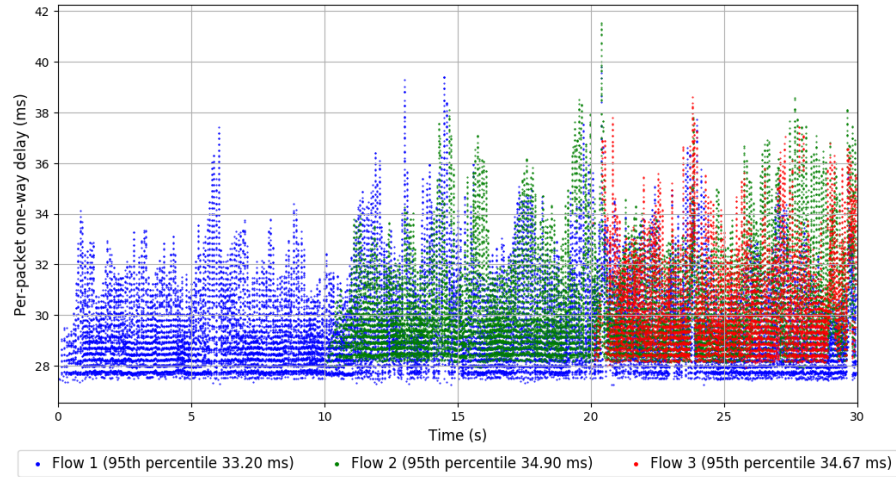
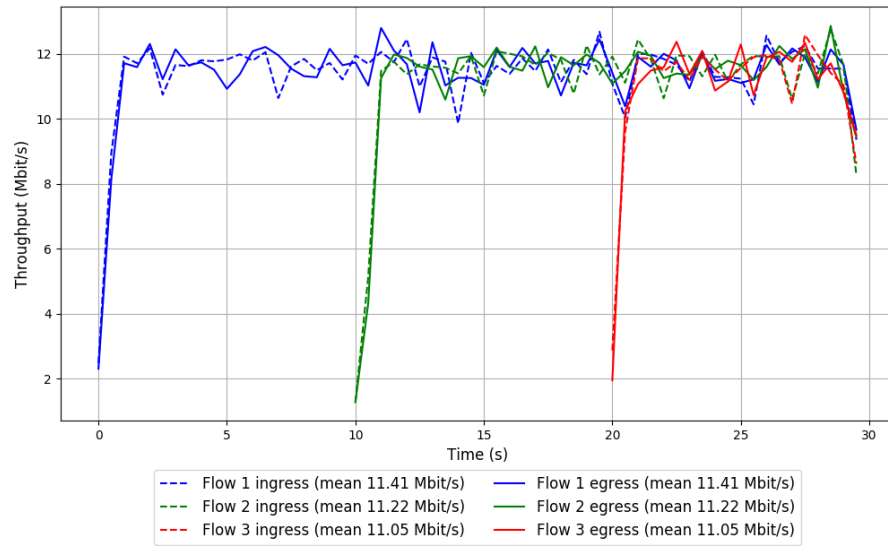


Run 7: Statistics of Sprout

Start at: 2018-04-04 00:24:50
End at: 2018-04-04 00:25:20
Local clock offset: 0.292 ms
Remote clock offset: -1.738 ms

Below is generated by plot.py at 2018-04-04 02:59:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 34.123 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 33.199 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 34.896 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 34.669 ms
Loss rate: 0.02%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-04 00:57:17

End at: 2018-04-04 00:57:47

Local clock offset: 0.579 ms

Remote clock offset: -0.56 ms

Below is generated by plot.py at 2018-04-04 02:59:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.63 Mbit/s

95th percentile per-packet one-way delay: 36.525 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 11.37 Mbit/s

95th percentile per-packet one-way delay: 36.402 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 11.40 Mbit/s

95th percentile per-packet one-way delay: 36.333 ms

Loss rate: 0.17%

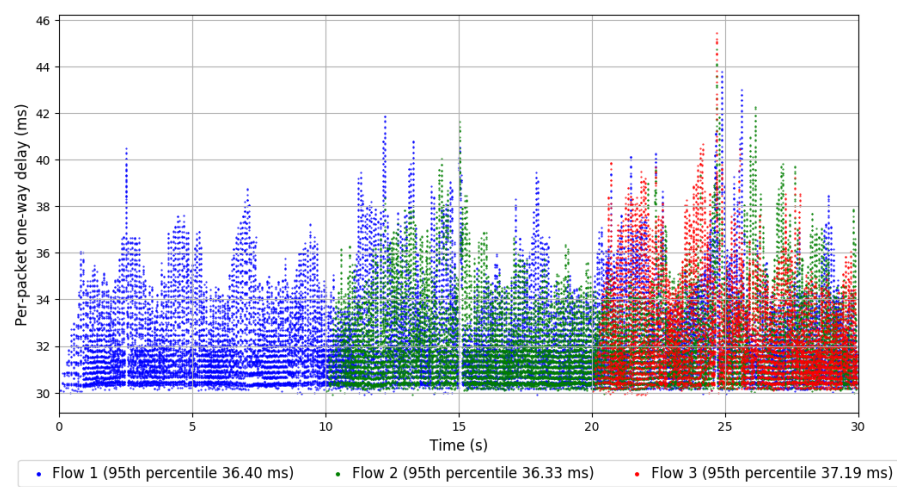
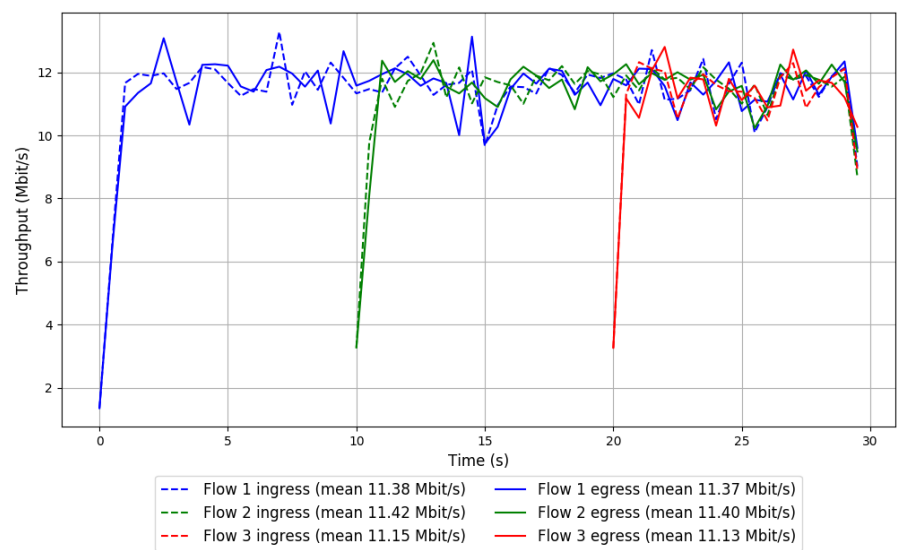
-- Flow 3:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 37.190 ms

Loss rate: 0.12%

Run 8: Report of Sprout — Data Link

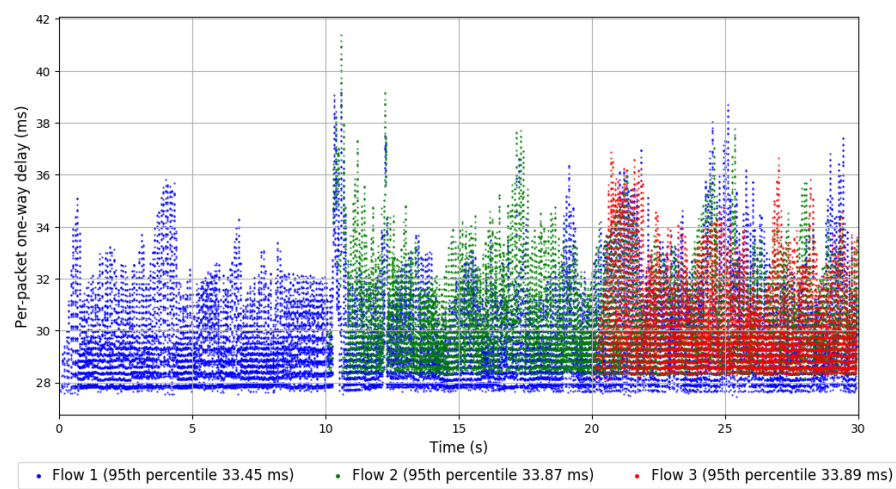
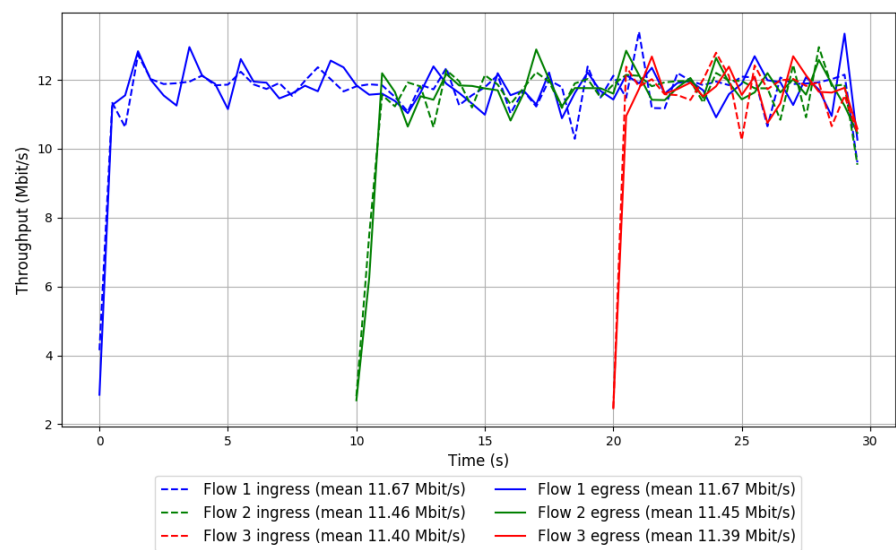


Run 9: Statistics of Sprout

Start at: 2018-04-04 01:27:40
End at: 2018-04-04 01:28:11
Local clock offset: 0.355 ms
Remote clock offset: -4.38 ms

```
# Below is generated by plot.py at 2018-04-04 02:59:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 33.690 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 33.455 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 33.890 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

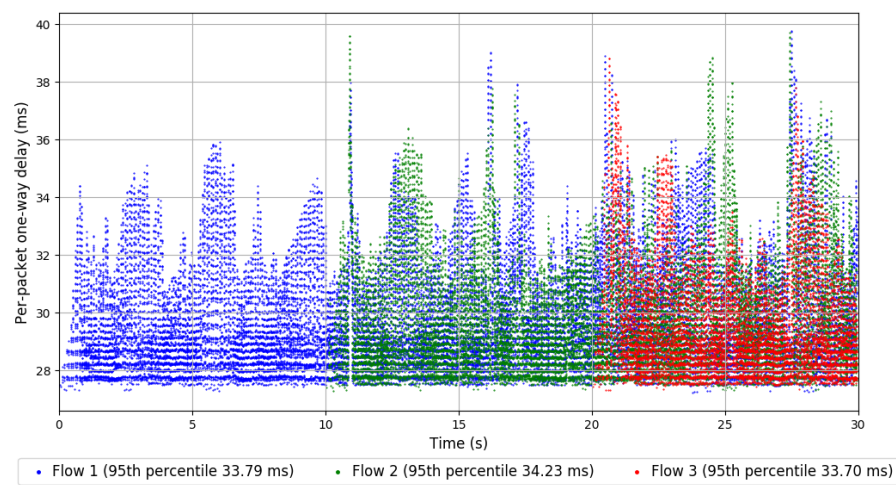
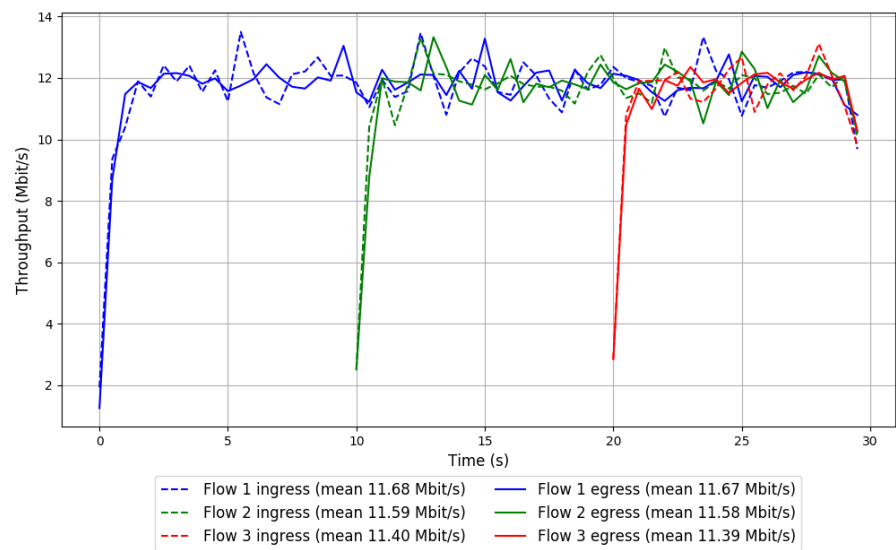


Run 10: Statistics of Sprout

Start at: 2018-04-04 01:57:22
End at: 2018-04-04 01:57:52
Local clock offset: 0.159 ms
Remote clock offset: -3.692 ms

Below is generated by plot.py at 2018-04-04 02:59:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 33.916 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 33.787 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 34.229 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 33.697 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

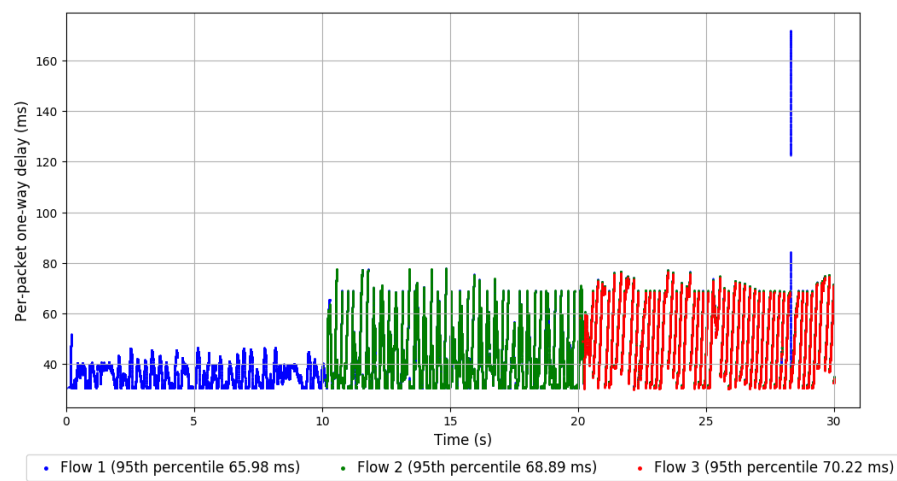
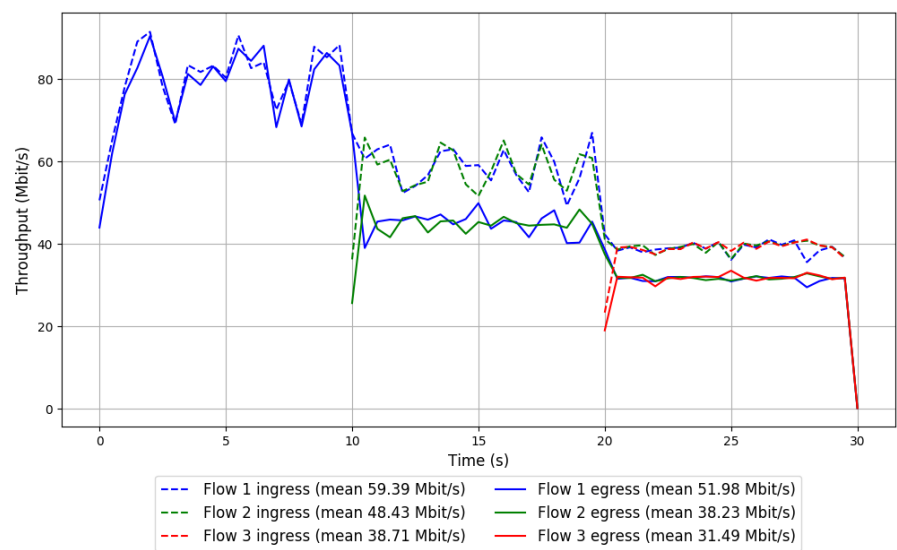


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-03 21:21:39
End at: 2018-04-03 21:22:09
Local clock offset: 0.804 ms
Remote clock offset: -1.532 ms

# Below is generated by plot.py at 2018-04-04 03:02:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 68.146 ms
Loss rate: 15.90%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 65.984 ms
Loss rate: 12.46%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 68.888 ms
Loss rate: 21.07%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 70.216 ms
Loss rate: 18.84%
```


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

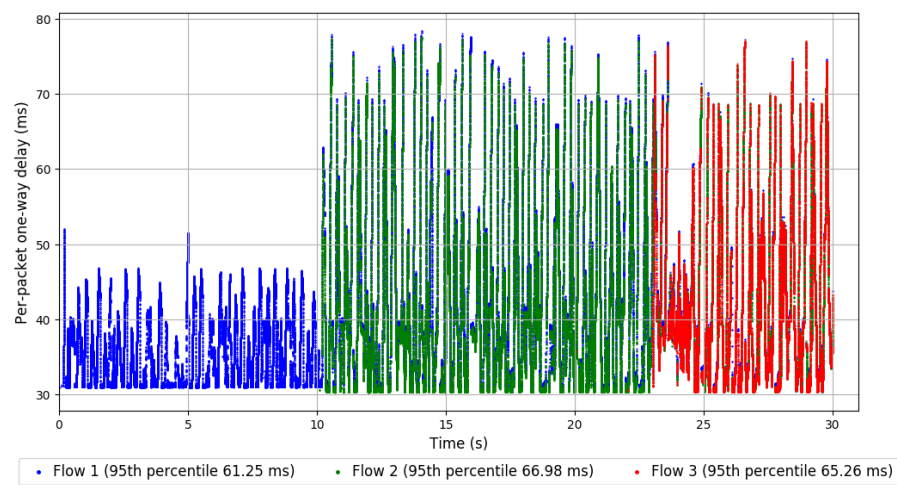
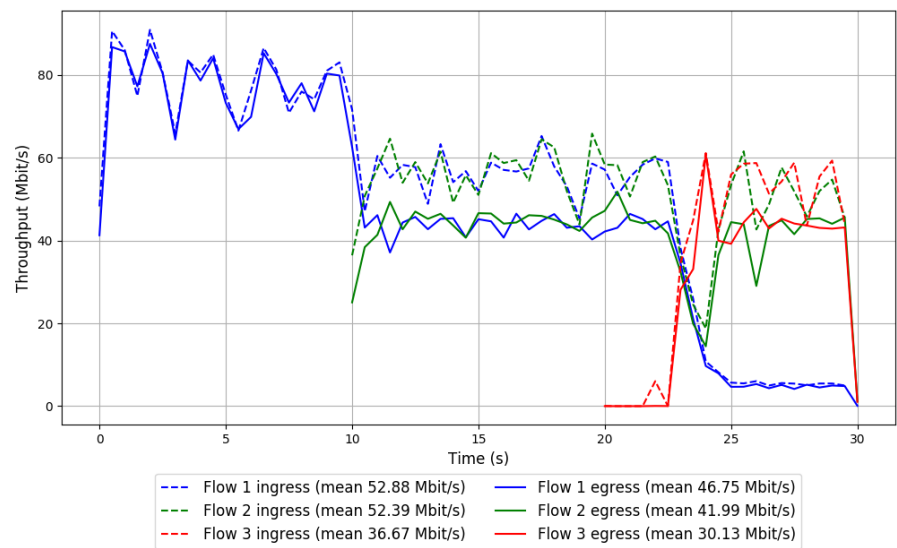


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-03 21:51:42
End at: 2018-04-03 21:52:12
Local clock offset: 0.828 ms
Remote clock offset: -4.177 ms

Below is generated by plot.py at 2018-04-04 03:02:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 64.499 ms
Loss rate: 15.19%
-- Flow 1:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 61.252 ms
Loss rate: 11.55%
-- Flow 2:
Average throughput: 41.99 Mbit/s
95th percentile per-packet one-way delay: 66.978 ms
Loss rate: 19.81%
-- Flow 3:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 65.258 ms
Loss rate: 17.77%

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

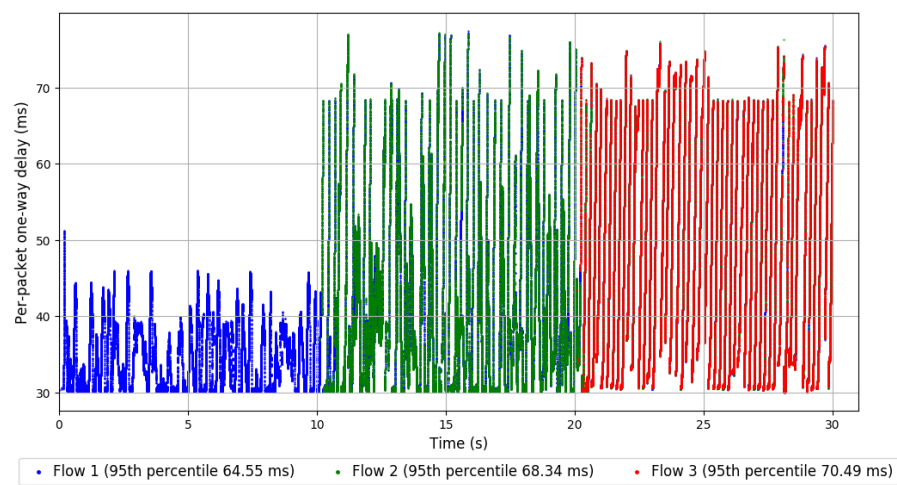
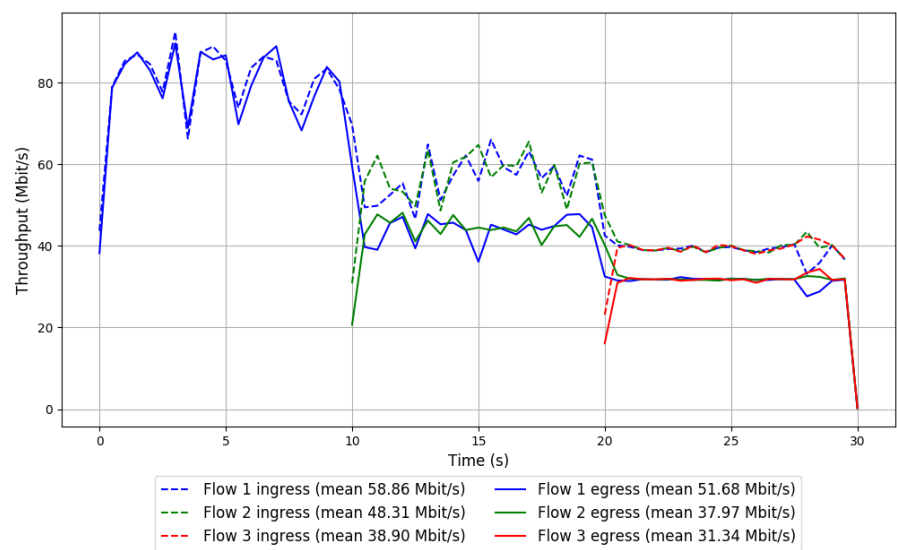


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-03 22:21:37
End at: 2018-04-03 22:22:07
Local clock offset: 1.006 ms
Remote clock offset: -5.599 ms

Below is generated by plot.py at 2018-04-04 03:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 67.195 ms
Loss rate: 15.92%
-- Flow 1:
Average throughput: 51.68 Mbit/s
95th percentile per-packet one-way delay: 64.545 ms
Loss rate: 12.17%
-- Flow 2:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 68.341 ms
Loss rate: 21.38%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 70.491 ms
Loss rate: 19.47%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-04-03 22:54:56

End at: 2018-04-03 22:55:26

Local clock offset: 1.325 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-04-04 03:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 65.293 ms

Loss rate: 14.45%

-- Flow 1:

Average throughput: 48.82 Mbit/s

95th percentile per-packet one-way delay: 62.602 ms

Loss rate: 11.14%

-- Flow 2:

Average throughput: 38.38 Mbit/s

95th percentile per-packet one-way delay: 66.111 ms

Loss rate: 19.11%

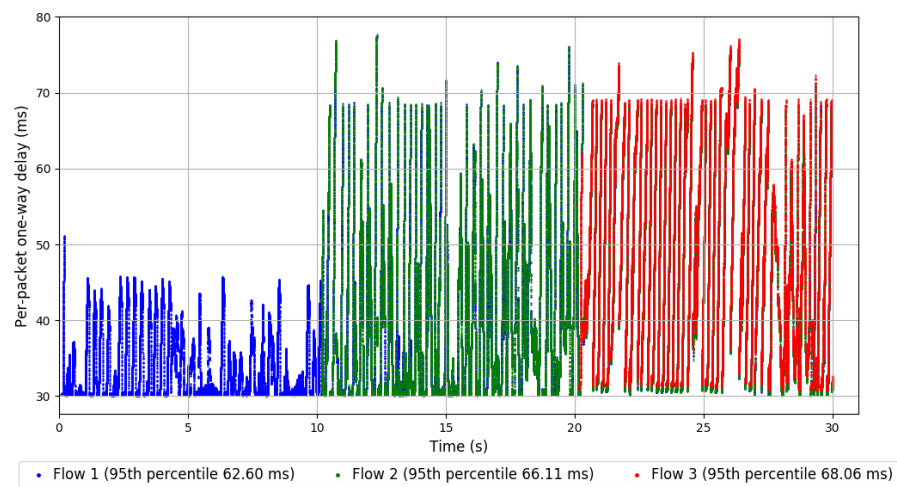
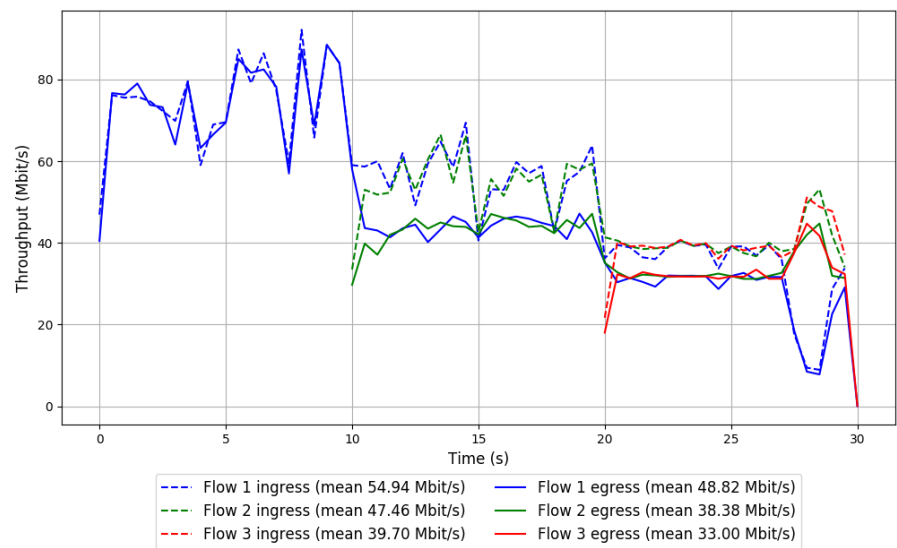
-- Flow 3:

Average throughput: 33.00 Mbit/s

95th percentile per-packet one-way delay: 68.057 ms

Loss rate: 17.06%

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

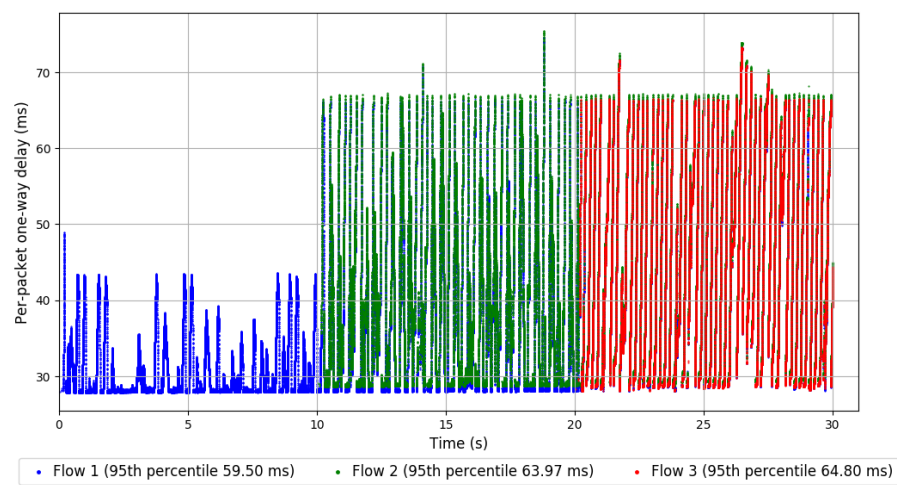
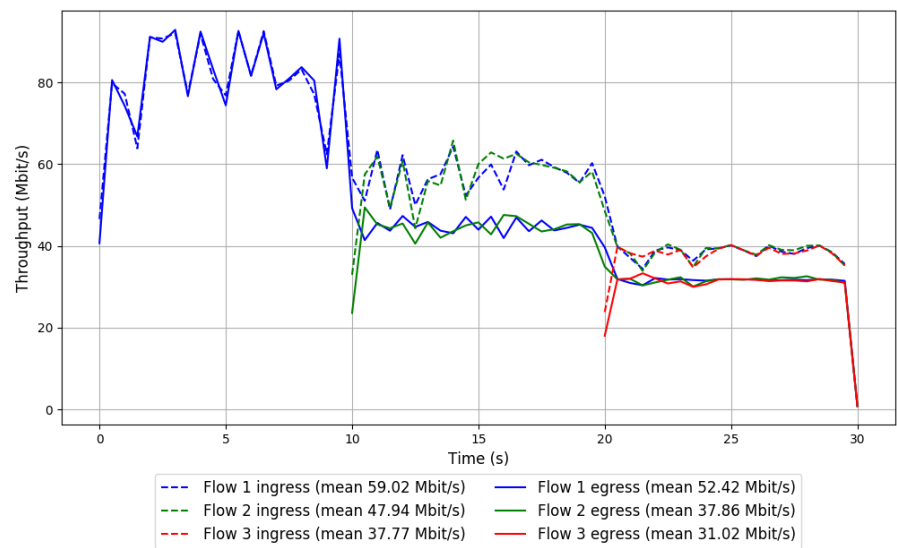


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-03 23:27:48
End at: 2018-04-03 23:28:18
Local clock offset: 1.178 ms
Remote clock offset: -1.941 ms

Below is generated by plot.py at 2018-04-04 03:02:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 62.590 ms
Loss rate: 14.97%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 59.496 ms
Loss rate: 11.14%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 63.968 ms
Loss rate: 20.96%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 64.804 ms
Loss rate: 17.74%

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

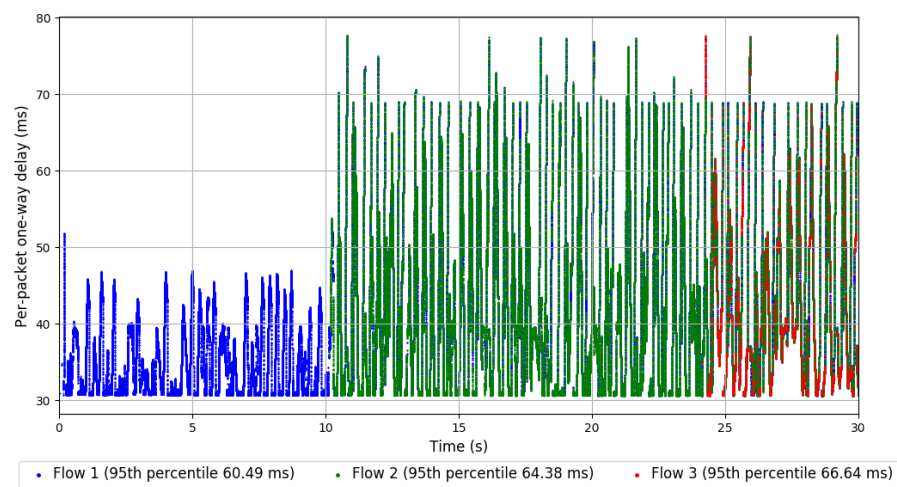
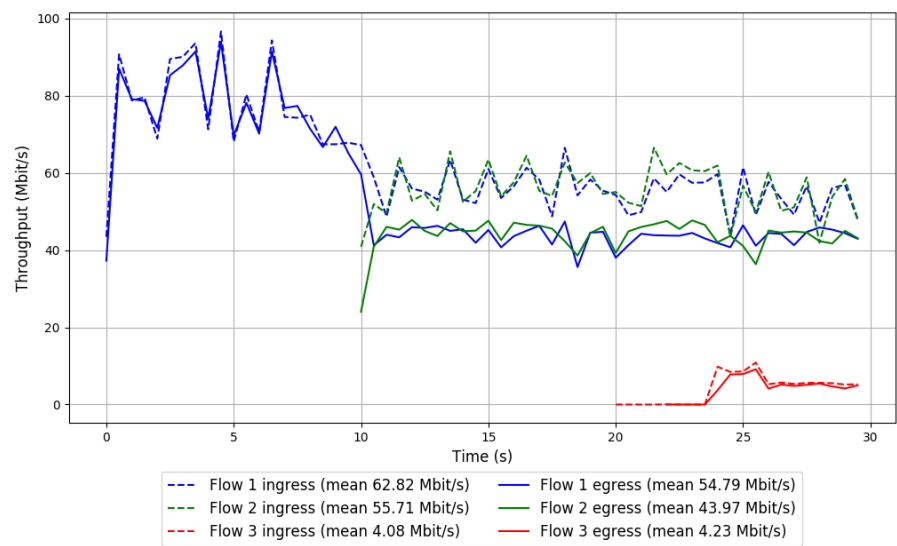


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-04 00:00:17
End at: 2018-04-04 00:00:47
Local clock offset: 0.79 ms
Remote clock offset: -2.718 ms

Below is generated by plot.py at 2018-04-04 03:02:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 62.379 ms
Loss rate: 15.89%
-- Flow 1:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 60.492 ms
Loss rate: 12.79%
-- Flow 2:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 21.08%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 66.637 ms
Loss rate: 17.48%

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

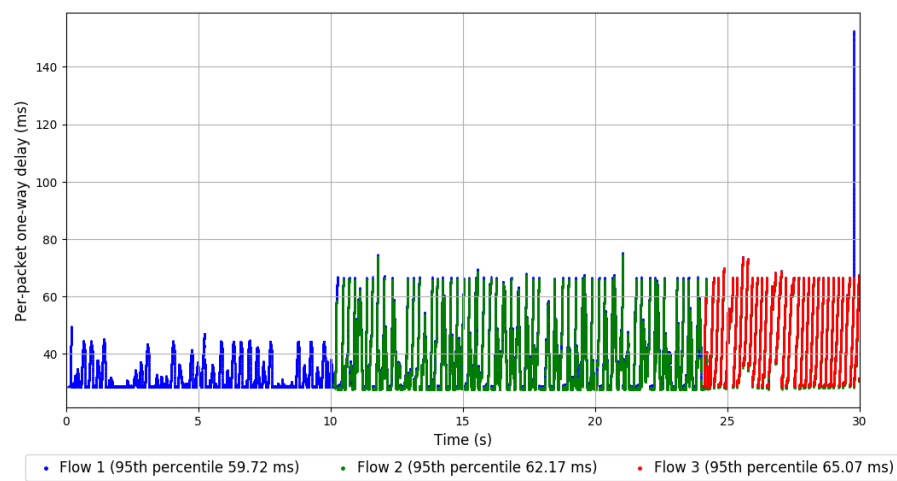
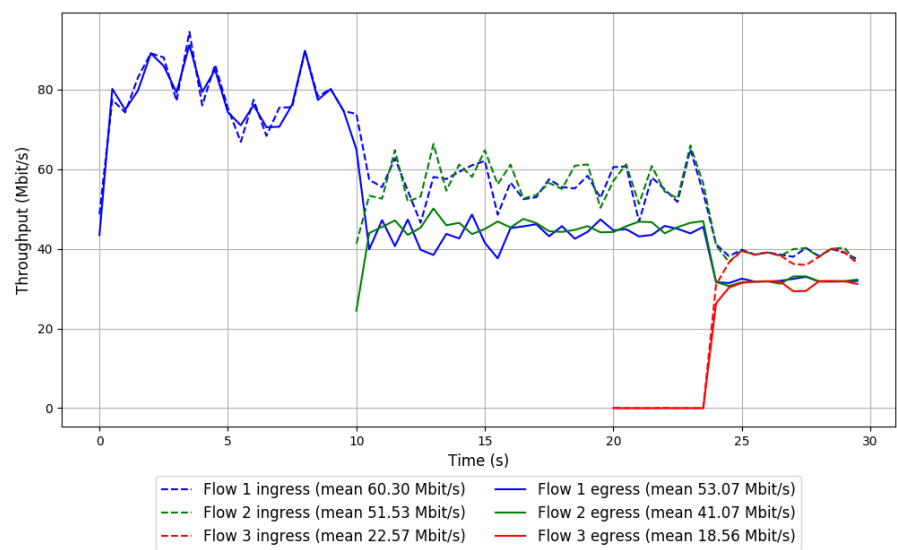


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-04 00:32:00
End at: 2018-04-04 00:32:31
Local clock offset: 0.218 ms
Remote clock offset: -1.071 ms

Below is generated by plot.py at 2018-04-04 03:02:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 61.740 ms
Loss rate: 15.19%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 59.720 ms
Loss rate: 11.98%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 62.174 ms
Loss rate: 20.28%
-- Flow 3:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 65.072 ms
Loss rate: 17.77%

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

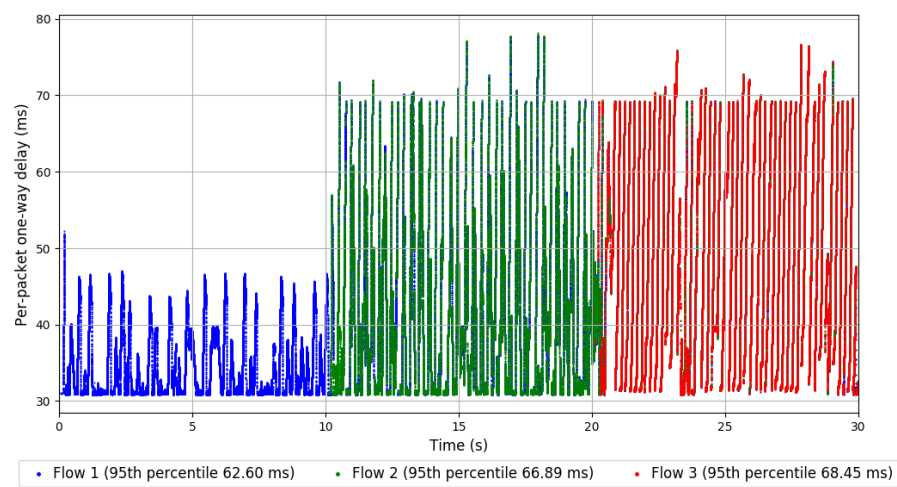
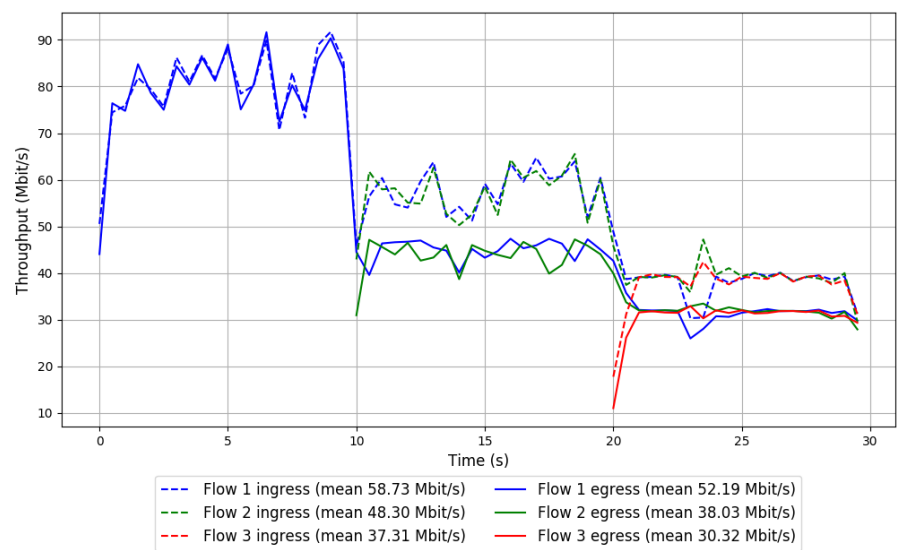


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-04 01:03:53
End at: 2018-04-04 01:04:23
Local clock offset: 0.48 ms
Remote clock offset: -0.636 ms

Below is generated by plot.py at 2018-04-04 03:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 65.646 ms
Loss rate: 15.23%
-- Flow 1:
Average throughput: 52.19 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 11.13%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 66.891 ms
Loss rate: 21.32%
-- Flow 3:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 68.451 ms
Loss rate: 18.83%

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

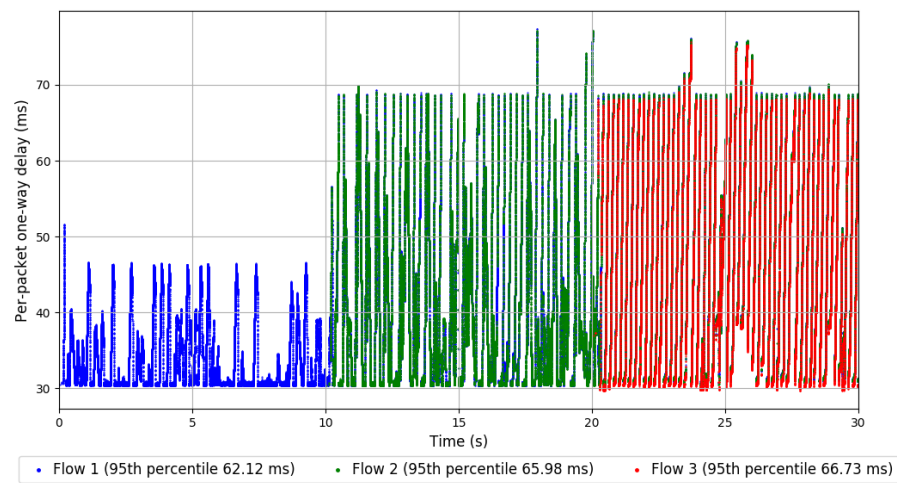
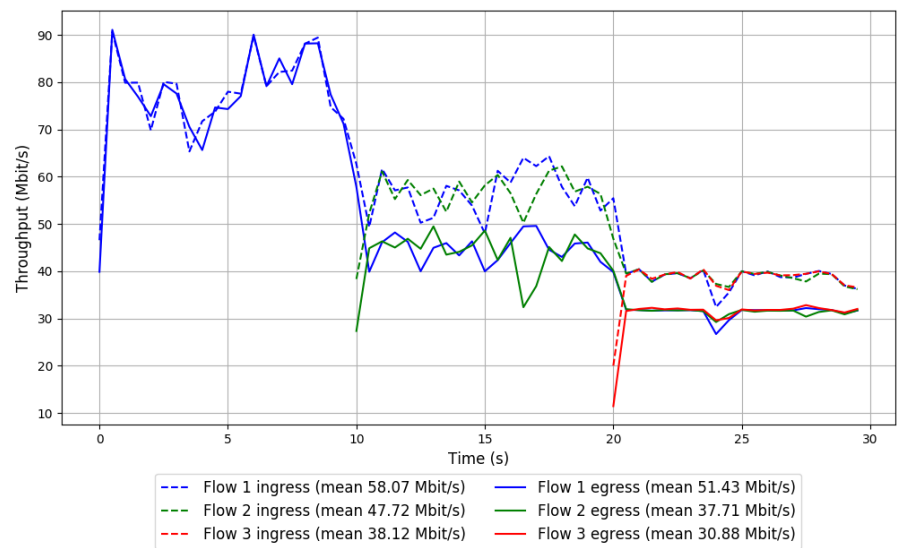


Run 9: Statistics of TaoVA-100x

Start at: 2018-04-04 01:34:16
End at: 2018-04-04 01:34:46
Local clock offset: 0.301 ms
Remote clock offset: -2.357 ms

Below is generated by plot.py at 2018-04-04 03:04:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 64.669 ms
Loss rate: 15.33%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 62.116 ms
Loss rate: 11.42%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 65.981 ms
Loss rate: 20.98%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 66.728 ms
Loss rate: 19.04%

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

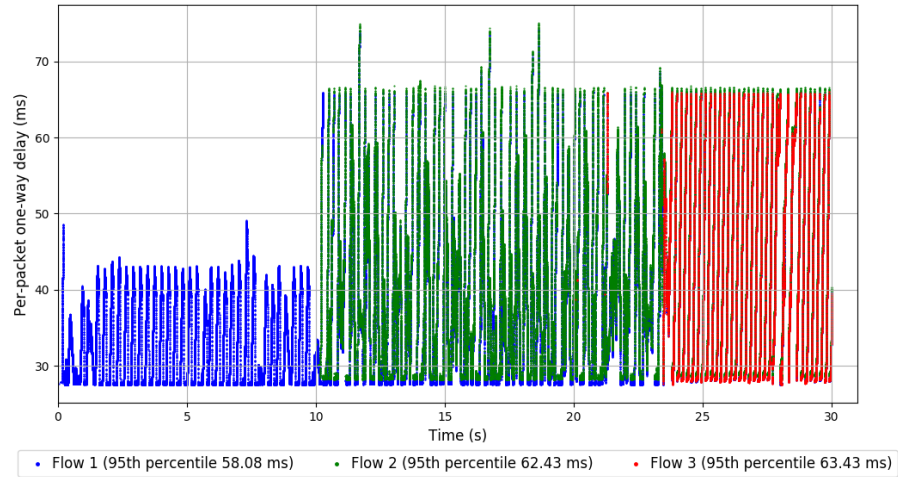
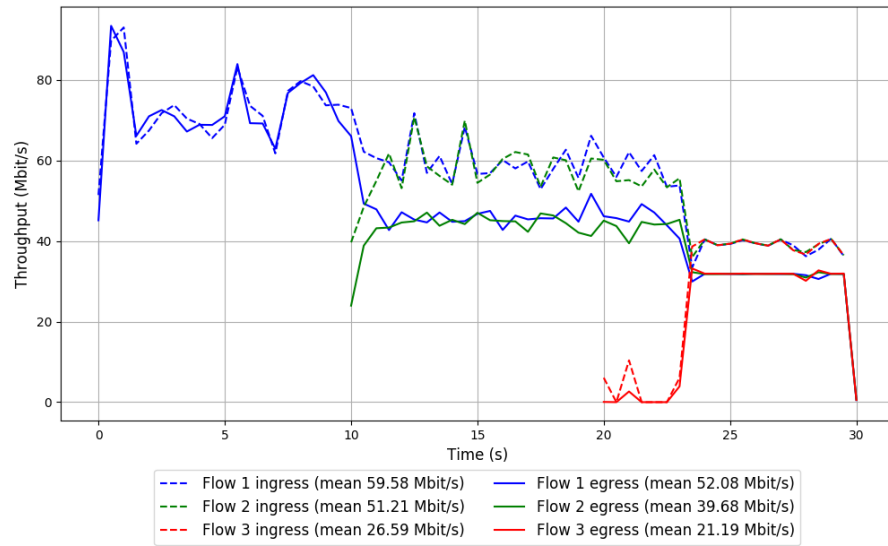


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-04 02:03:31
End at: 2018-04-04 02:04:01
Local clock offset: 0.072 ms
Remote clock offset: -3.497 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.55 Mbit/s
95th percentile per-packet one-way delay: 60.683 ms
Loss rate: 16.52%
-- Flow 1:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 58.083 ms
Loss rate: 12.54%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 62.427 ms
Loss rate: 22.48%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 63.427 ms
Loss rate: 20.30%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-03 21:20:12

End at: 2018-04-03 21:20:42

Local clock offset: 0.774 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-04-04 03:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 52.697 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 43.452 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 17.36 Mbit/s

95th percentile per-packet one-way delay: 53.603 ms

Loss rate: 2.82%

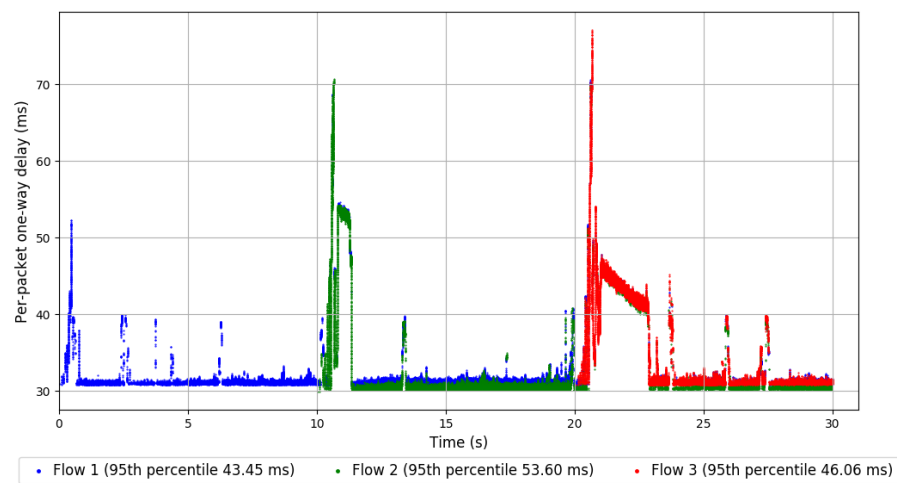
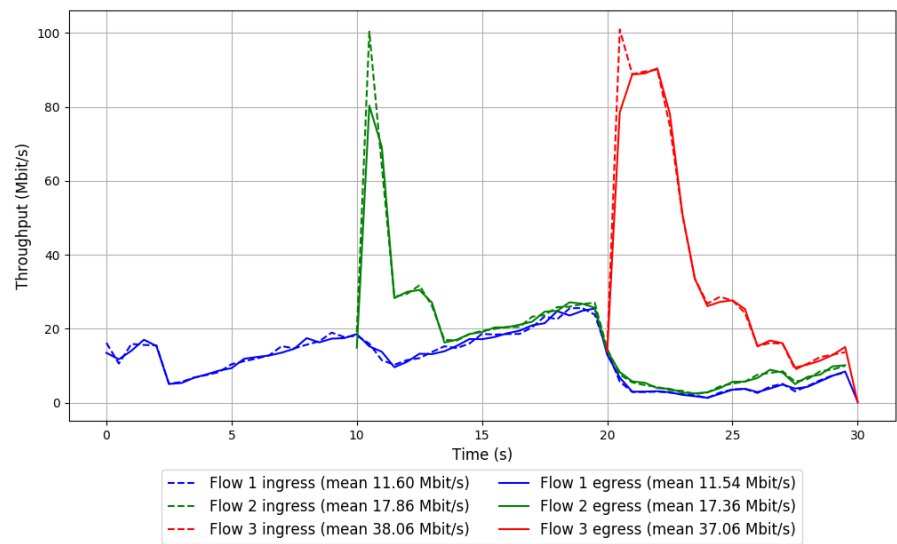
-- Flow 3:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 46.058 ms

Loss rate: 2.62%

Run 1: Report of TCP Vegas — Data Link

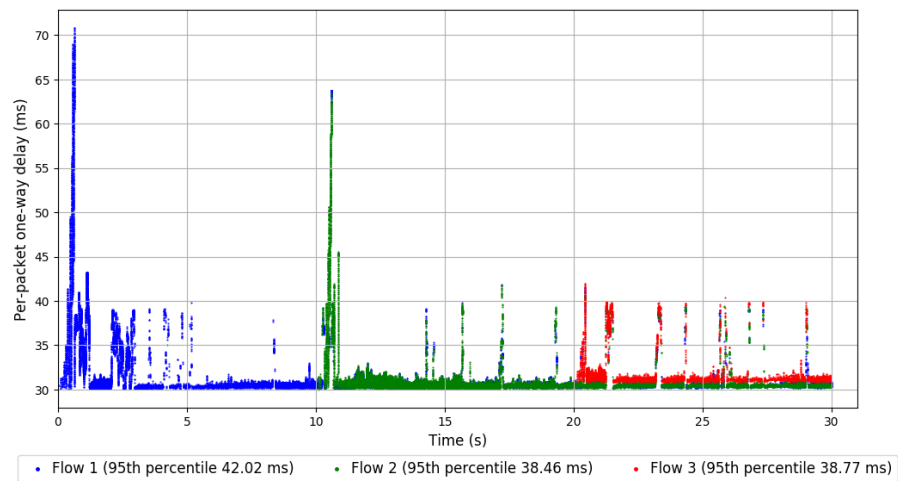
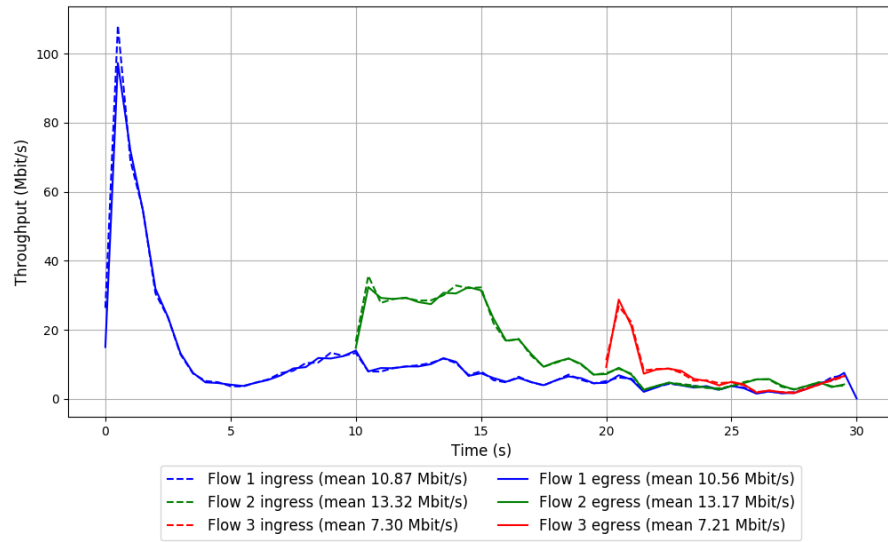


Run 2: Statistics of TCP Vegas

Start at: 2018-04-03 21:50:19
End at: 2018-04-03 21:50:49
Local clock offset: 0.937 ms
Remote clock offset: -3.944 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 40.015 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 10.56 Mbit/s
95th percentile per-packet one-way delay: 42.018 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 38.462 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 38.765 ms
Loss rate: 1.16%

Run 2: Report of TCP Vegas — Data Link

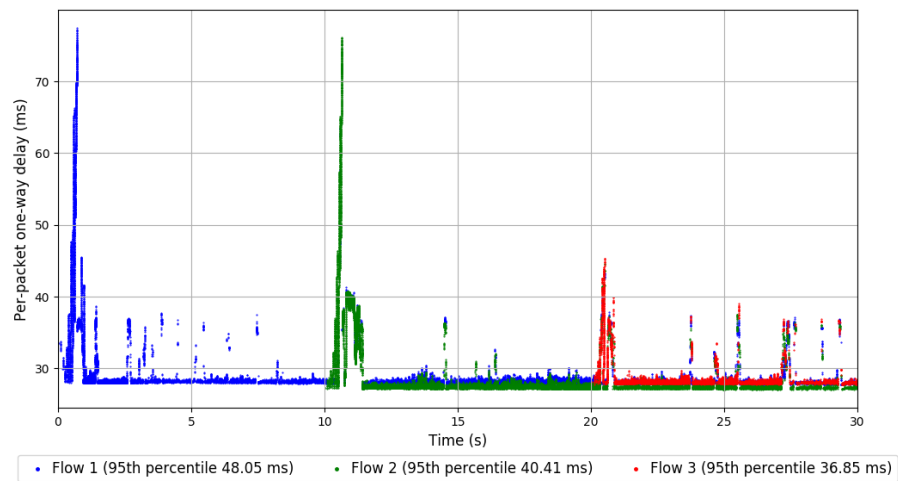
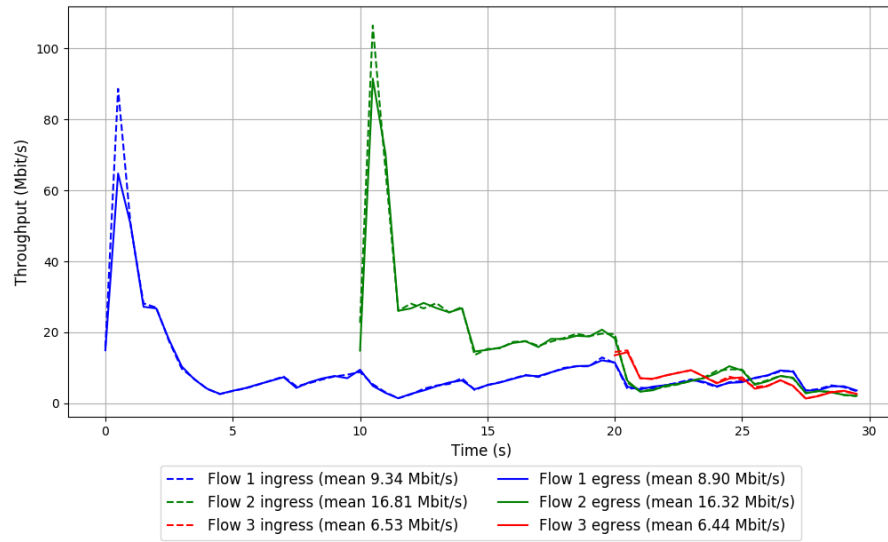


Run 3: Statistics of TCP Vegas

Start at: 2018-04-03 22:20:09
End at: 2018-04-03 22:20:39
Local clock offset: 0.949 ms
Remote clock offset: -8.587 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 41.238 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 48.049 ms
Loss rate: 4.71%
-- Flow 2:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 40.411 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 36.853 ms
Loss rate: 1.43%

Run 3: Report of TCP Vegas — Data Link

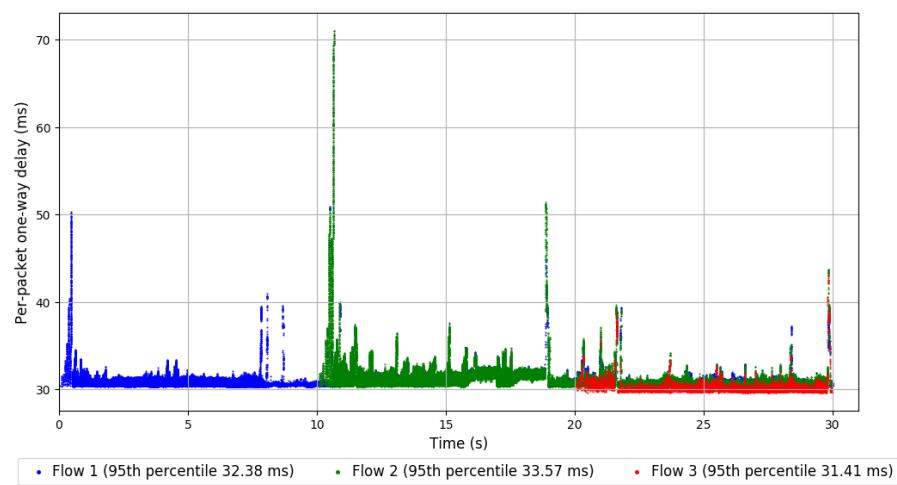
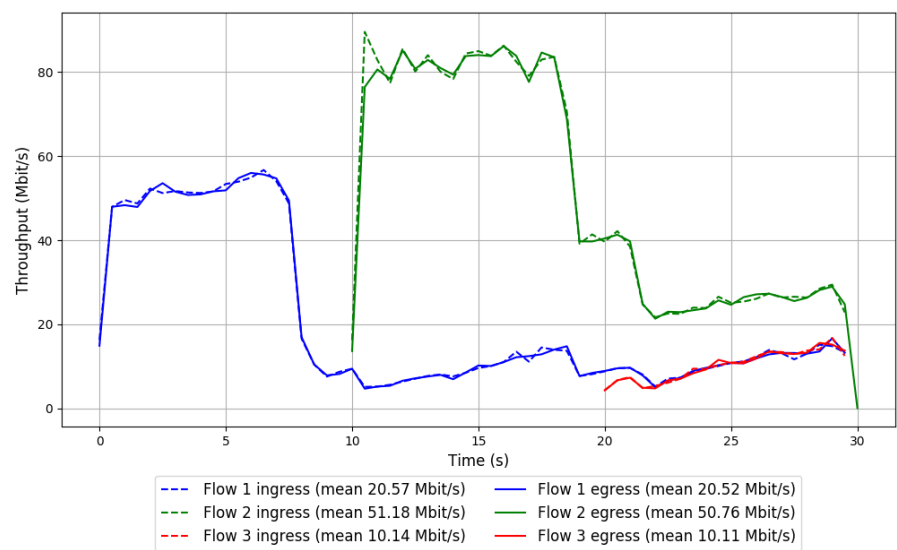


Run 4: Statistics of TCP Vegas

Start at: 2018-04-03 22:53:19
End at: 2018-04-03 22:53:49
Local clock offset: 1.321 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 33.116 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 32.383 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 33.572 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 31.410 ms
Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-03 23:26:09

End at: 2018-04-03 23:26:39

Local clock offset: 1.179 ms

Remote clock offset: 1.432 ms

Below is generated by plot.py at 2018-04-04 03:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.15 Mbit/s

95th percentile per-packet one-way delay: 35.231 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 34.369 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 35.372 ms

Loss rate: 0.19%

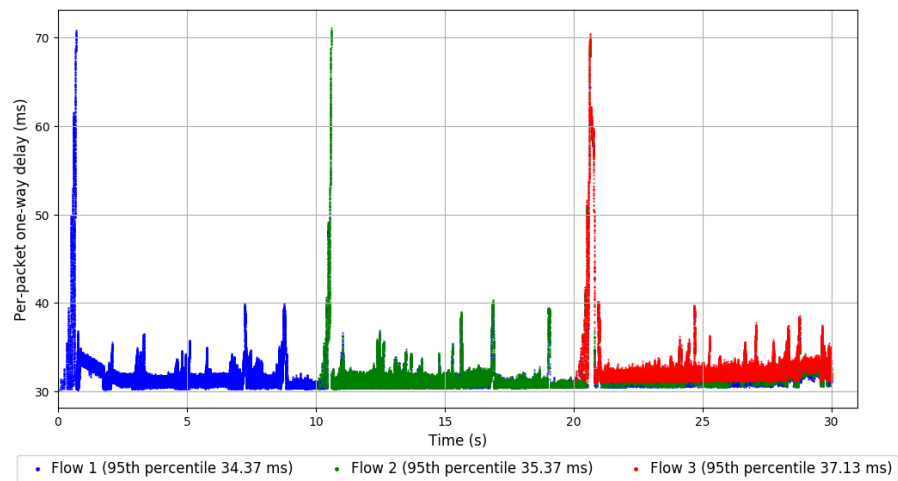
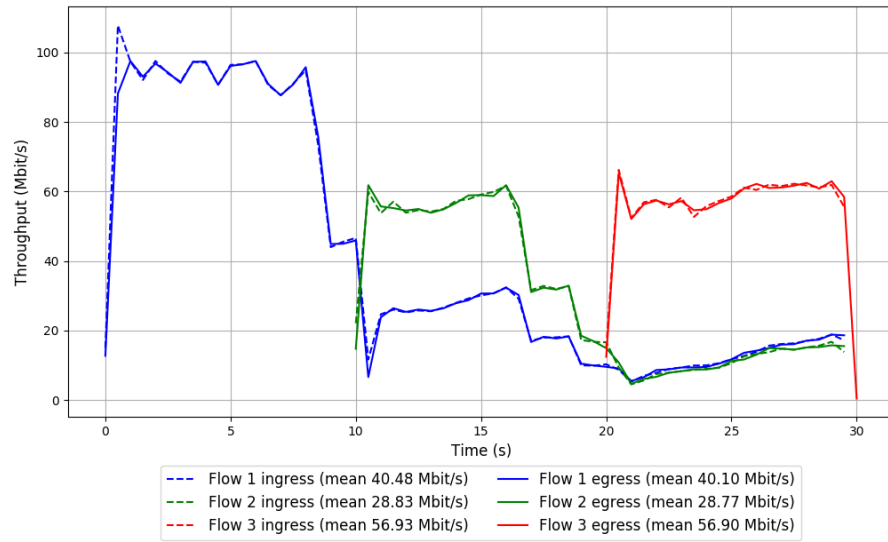
-- Flow 3:

Average throughput: 56.90 Mbit/s

95th percentile per-packet one-way delay: 37.130 ms

Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link

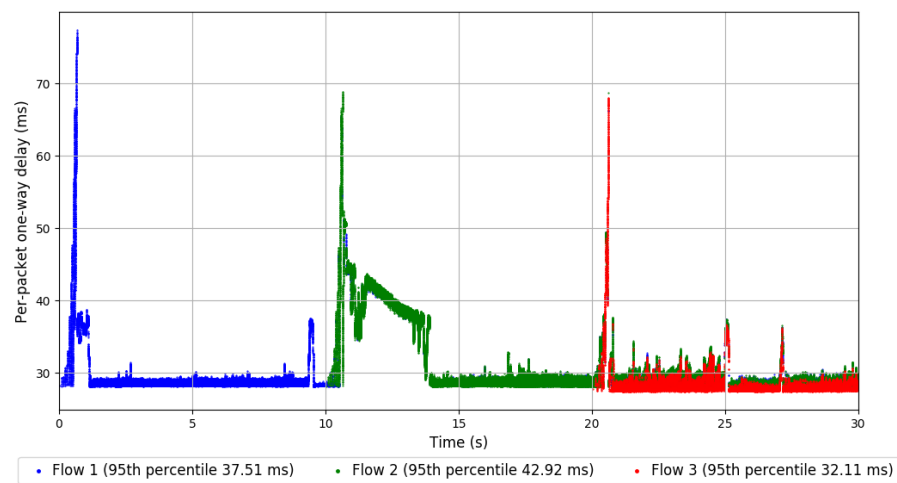
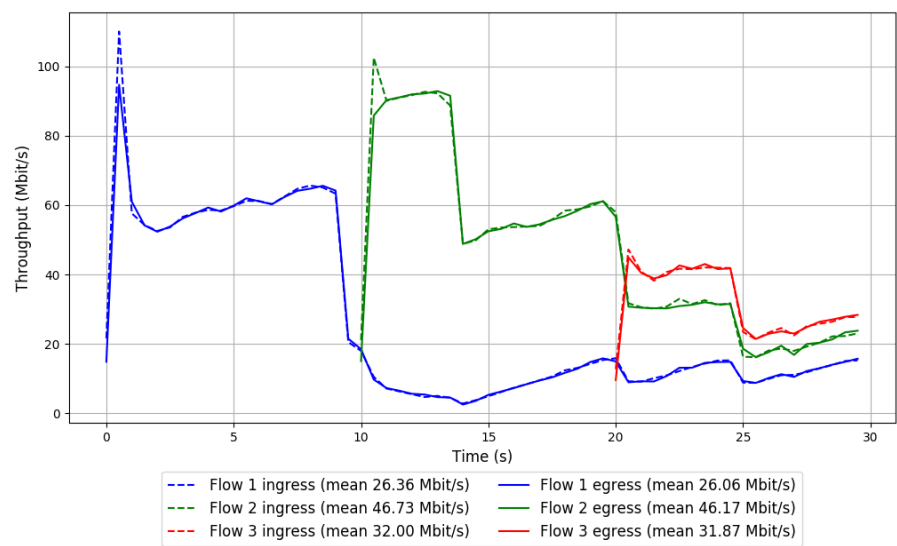


Run 6: Statistics of TCP Vegas

Start at: 2018-04-03 23:58:40
End at: 2018-04-03 23:59:10
Local clock offset: 0.778 ms
Remote clock offset: -5.395 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.38 Mbit/s
95th percentile per-packet one-way delay: 41.931 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 37.506 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 42.917 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 32.107 ms
Loss rate: 0.38%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-04-04 00:30:33

End at: 2018-04-04 00:31:03

Local clock offset: 0.305 ms

Remote clock offset: 0.851 ms

Below is generated by plot.py at 2018-04-04 03:04:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.97 Mbit/s

95th percentile per-packet one-way delay: 32.671 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 12.21 Mbit/s

95th percentile per-packet one-way delay: 31.380 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 15.15 Mbit/s

95th percentile per-packet one-way delay: 32.424 ms

Loss rate: 0.64%

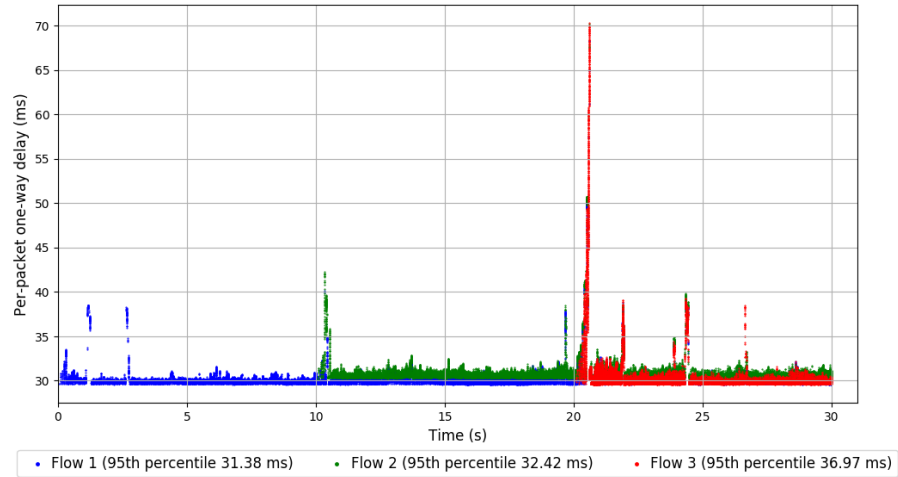
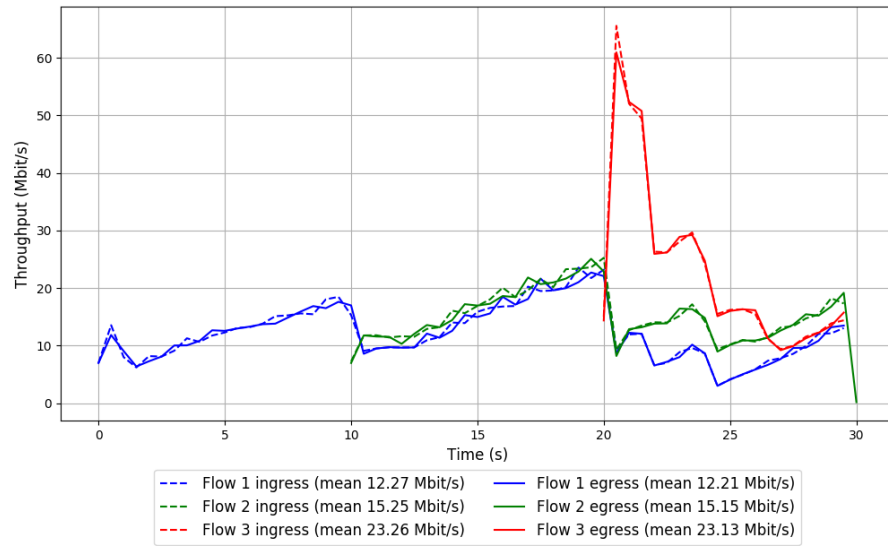
-- Flow 3:

Average throughput: 23.13 Mbit/s

95th percentile per-packet one-way delay: 36.972 ms

Loss rate: 0.57%

Run 7: Report of TCP Vegas — Data Link

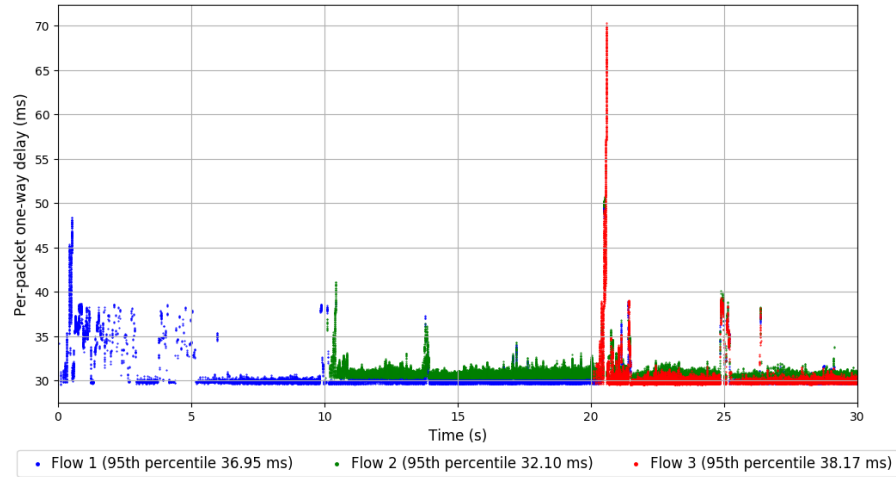
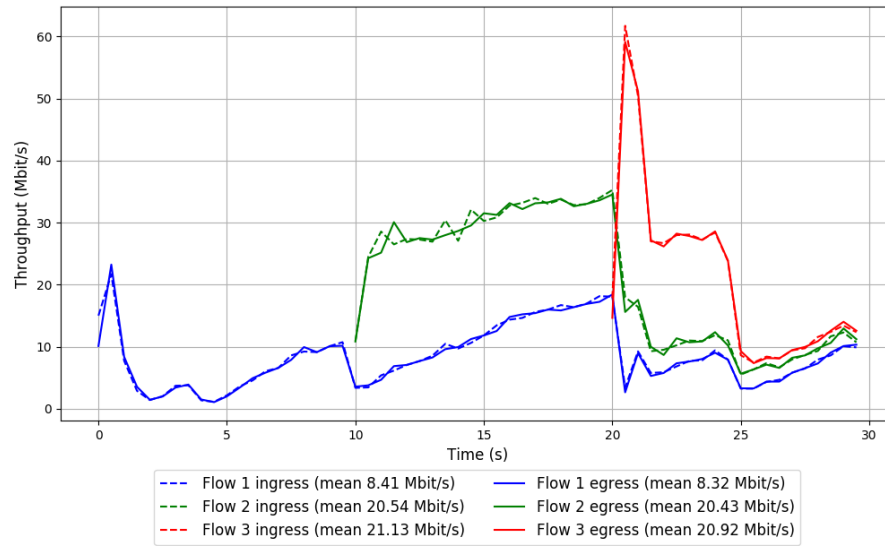


Run 8: Statistics of TCP Vegas

Start at: 2018-04-04 01:02:24
End at: 2018-04-04 01:02:54
Local clock offset: 0.617 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 35.036 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 36.955 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 20.92 Mbit/s
95th percentile per-packet one-way delay: 38.172 ms
Loss rate: 1.02%

Run 8: Report of TCP Vegas — Data Link

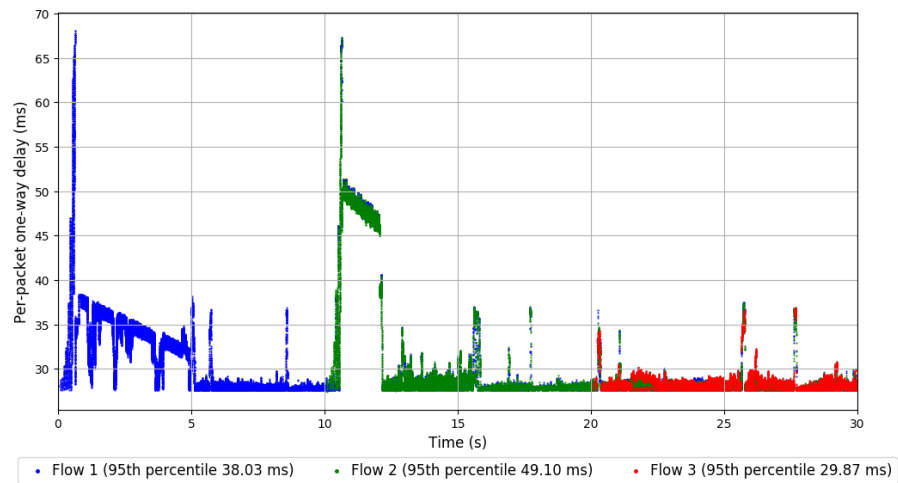
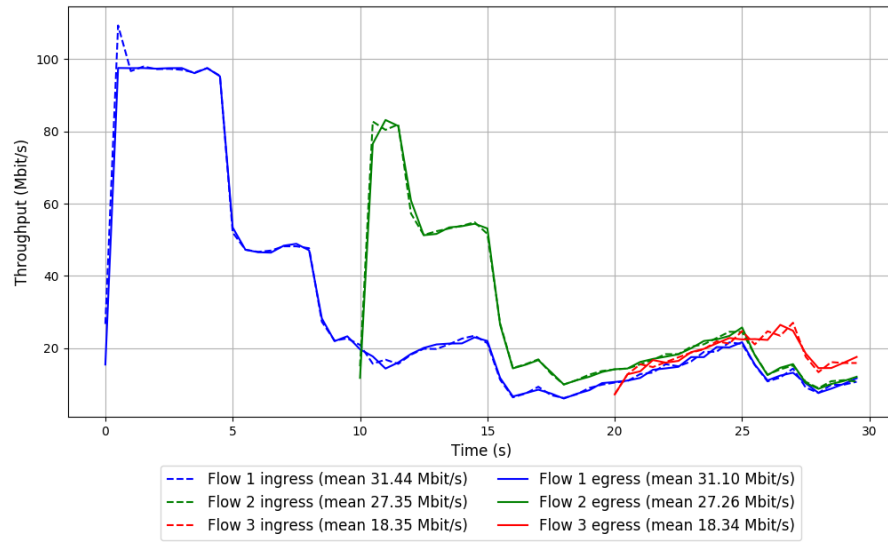


Run 9: Statistics of TCP Vegas

Start at: 2018-04-04 01:32:47
End at: 2018-04-04 01:33:17
Local clock offset: 0.342 ms
Remote clock offset: -4.438 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 48.058 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 38.031 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 49.101 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 29.869 ms
Loss rate: 0.07%

Run 9: Report of TCP Vegas — Data Link

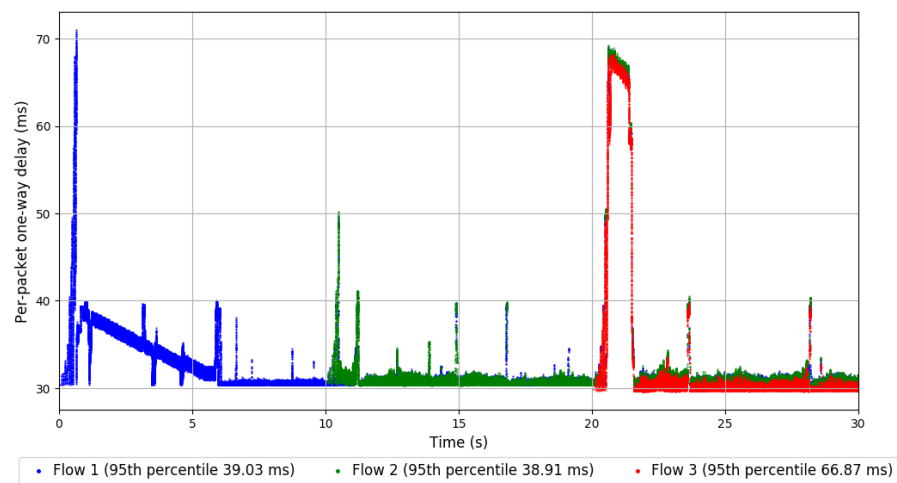
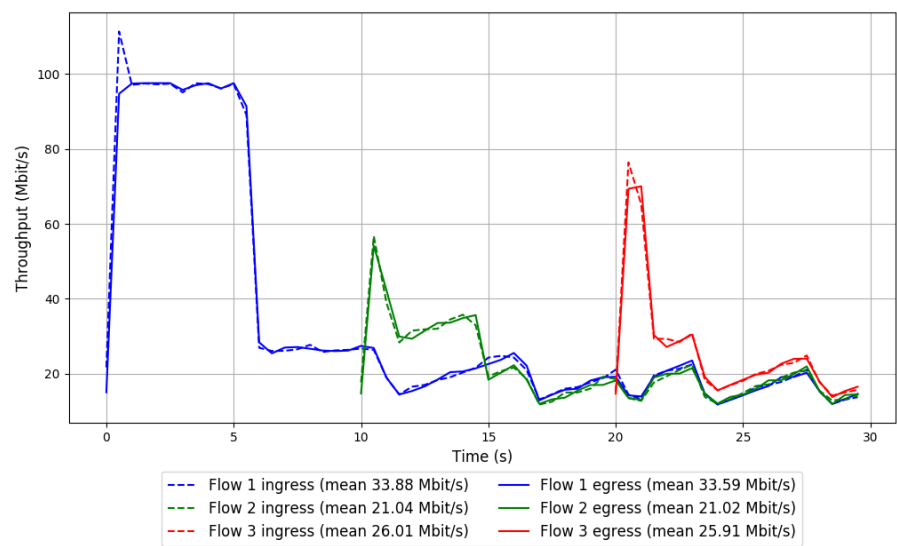


Run 10: Statistics of TCP Vegas

Start at: 2018-04-04 02:02:01
End at: 2018-04-04 02:02:31
Local clock offset: 0.096 ms
Remote clock offset: -1.405 ms

Below is generated by plot.py at 2018-04-04 03:04:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 59.032 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 39.026 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 38.912 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 66.872 ms
Loss rate: 0.39%

Run 10: Report of TCP Vegas — Data Link

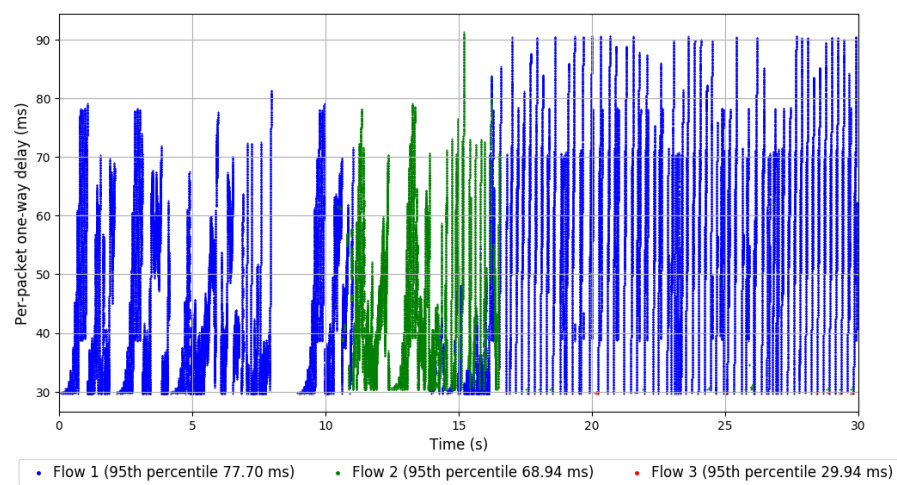
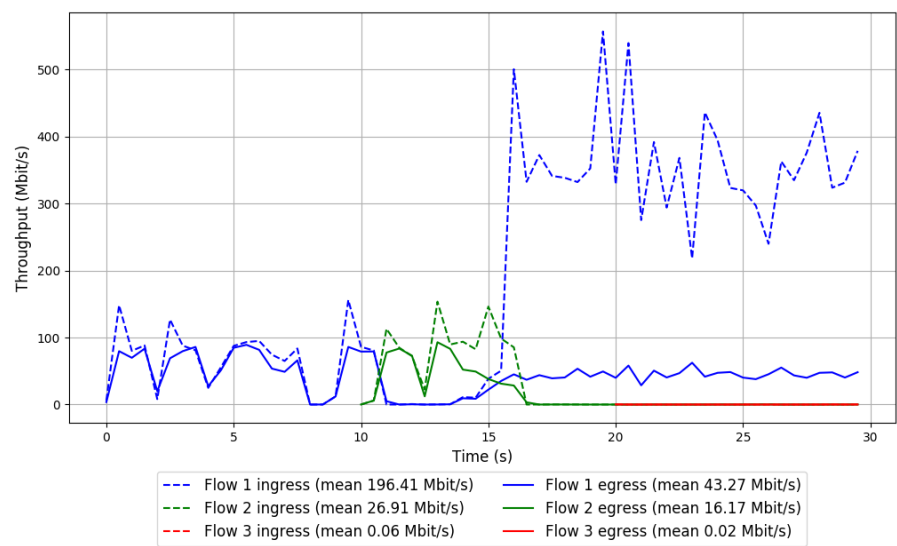


Run 1: Statistics of Verus

Start at: 2018-04-03 21:12:30
End at: 2018-04-03 21:13:00
Local clock offset: 0.671 ms
Remote clock offset: -2.311 ms

Below is generated by plot.py at 2018-04-04 03:04:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 76.475 ms
Loss rate: 74.82%
-- Flow 1:
Average throughput: 43.27 Mbit/s
95th percentile per-packet one-way delay: 77.705 ms
Loss rate: 77.94%
-- Flow 2:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 68.940 ms
Loss rate: 39.85%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 29.938 ms
Loss rate: 64.58%

Run 1: Report of Verus — Data Link

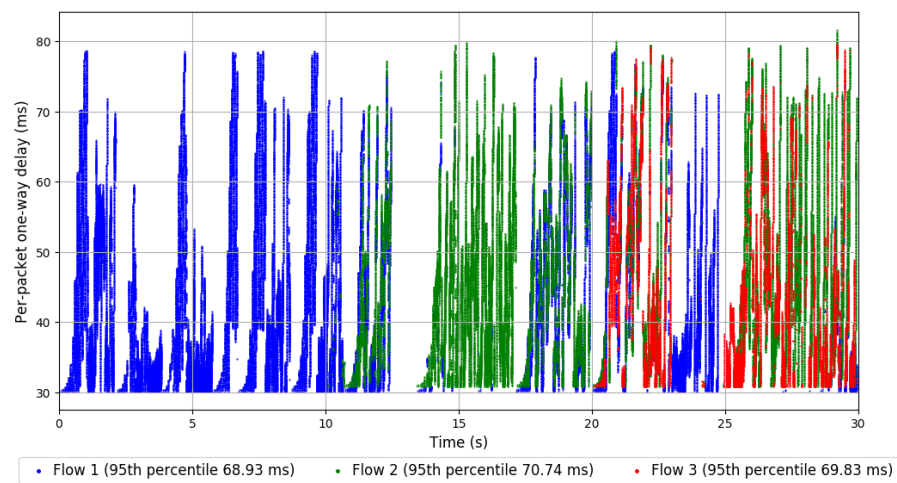
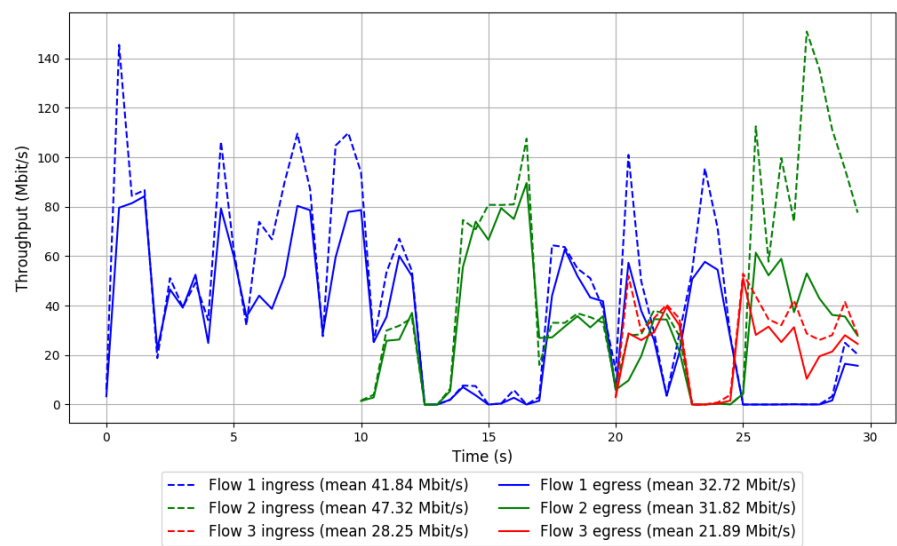


Run 2: Statistics of Verus

Start at: 2018-04-03 21:41:53
End at: 2018-04-03 21:42:23
Local clock offset: 0.932 ms
Remote clock offset: -2.177 ms

Below is generated by plot.py at 2018-04-04 03:04:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 69.666 ms
Loss rate: 26.02%
-- Flow 1:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 68.933 ms
Loss rate: 21.79%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 70.742 ms
Loss rate: 32.69%
-- Flow 3:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 69.832 ms
Loss rate: 22.50%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-03 22:11:30

End at: 2018-04-03 22:12:00

Local clock offset: 0.934 ms

Remote clock offset: -9.37 ms

Below is generated by plot.py at 2018-04-04 03:04:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 67.929 ms

Loss rate: 44.90%

-- Flow 1:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 67.540 ms

Loss rate: 39.84%

-- Flow 2:

Average throughput: 19.37 Mbit/s

95th percentile per-packet one-way delay: 67.711 ms

Loss rate: 47.09%

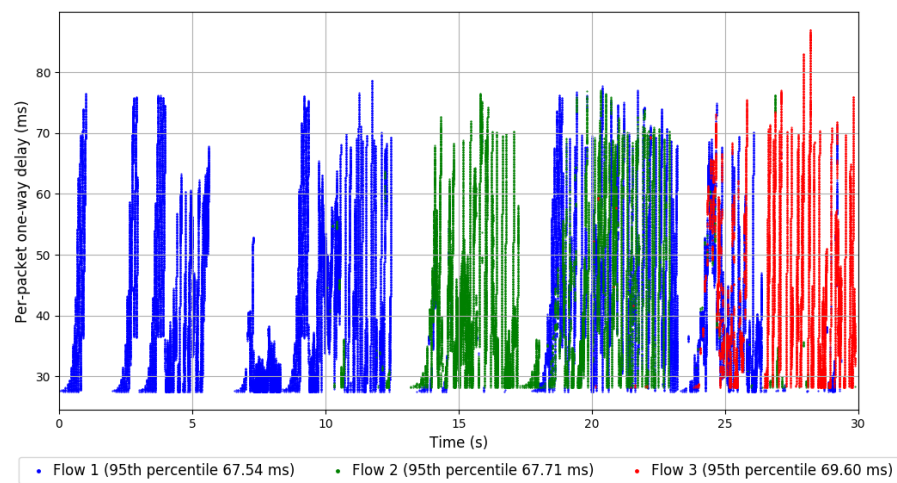
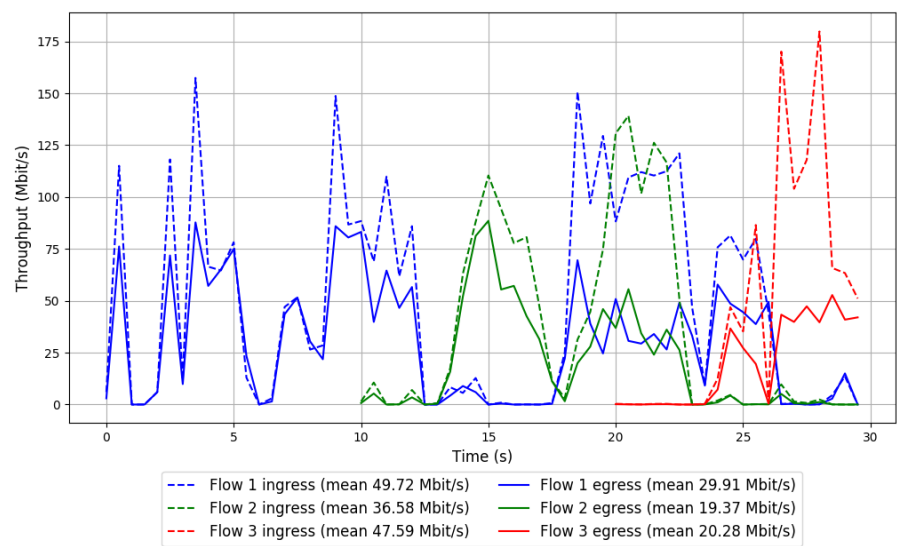
-- Flow 3:

Average throughput: 20.28 Mbit/s

95th percentile per-packet one-way delay: 69.601 ms

Loss rate: 57.47%

Run 3: Report of Verus — Data Link

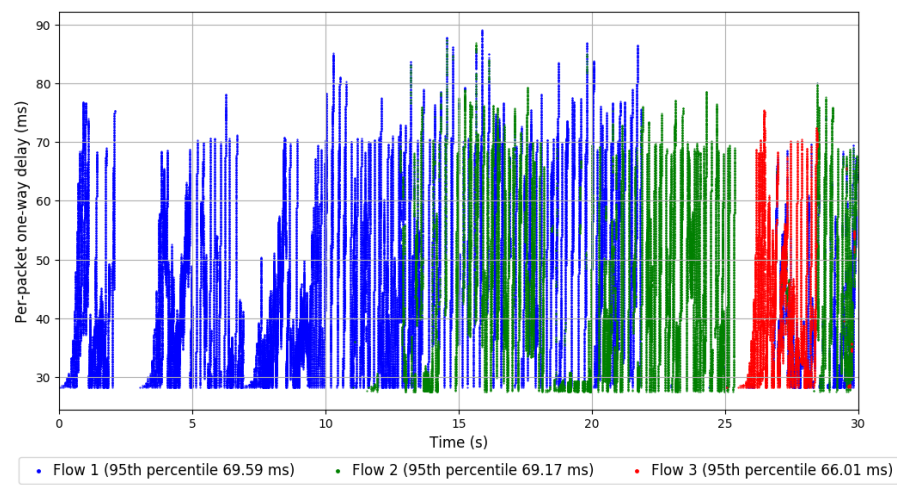
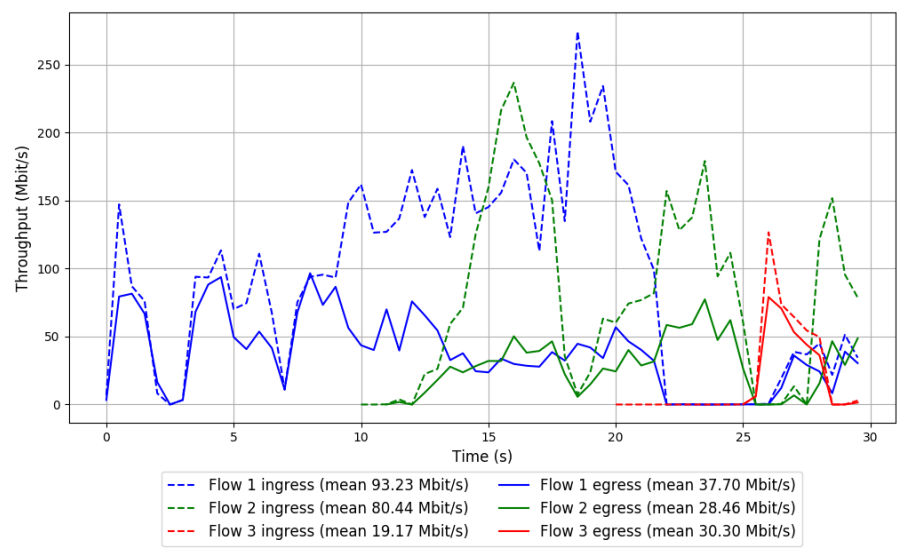


Run 4: Statistics of Verus

Start at: 2018-04-03 22:44:00
End at: 2018-04-03 22:44:30
Local clock offset: 1.317 ms
Remote clock offset: -2.916 ms

Below is generated by plot.py at 2018-04-04 03:05:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 69.183 ms
Loss rate: 60.43%
-- Flow 1:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 69.591 ms
Loss rate: 59.56%
-- Flow 2:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 69.169 ms
Loss rate: 66.38%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 66.006 ms
Loss rate: 23.10%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-03 23:17:09

End at: 2018-04-03 23:17:39

Local clock offset: 1.131 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2018-04-04 03:05:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.63 Mbit/s

95th percentile per-packet one-way delay: 68.250 ms

Loss rate: 36.46%

-- Flow 1:

Average throughput: 18.65 Mbit/s

95th percentile per-packet one-way delay: 66.549 ms

Loss rate: 21.61%

-- Flow 2:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 68.809 ms

Loss rate: 40.40%

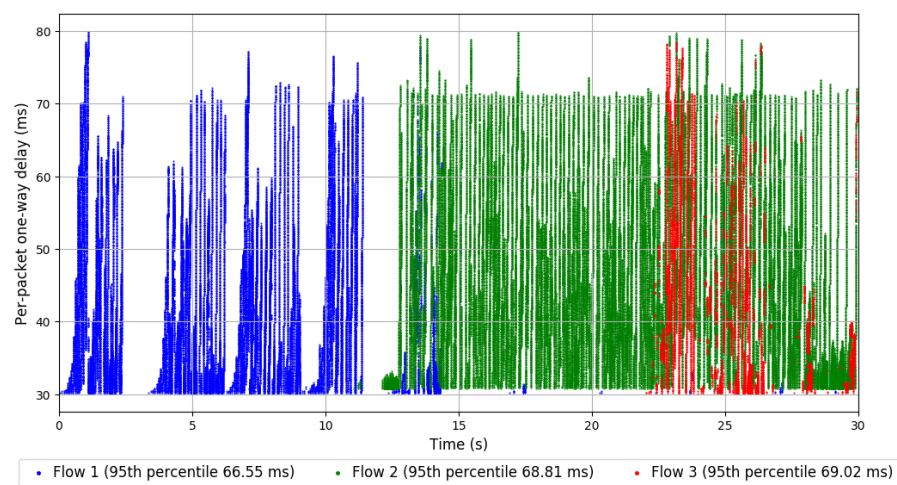
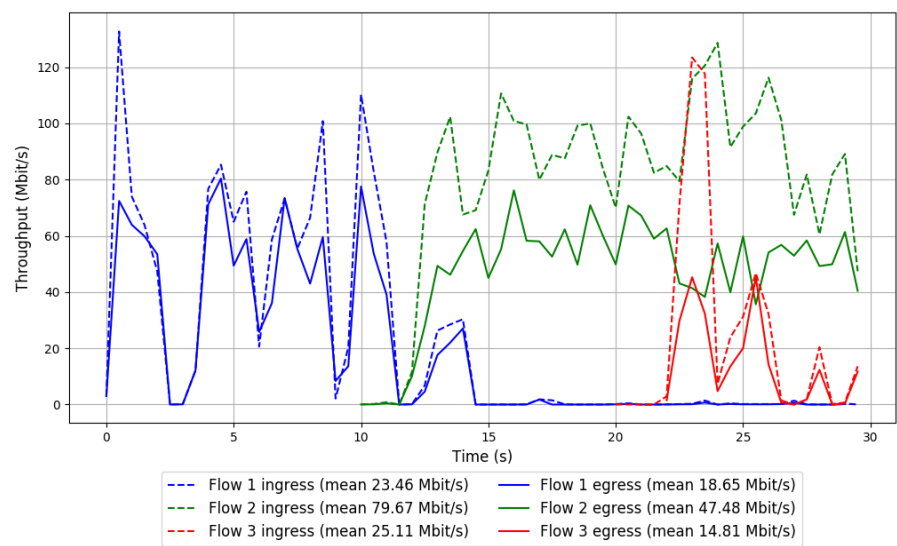
-- Flow 3:

Average throughput: 14.81 Mbit/s

95th percentile per-packet one-way delay: 69.022 ms

Loss rate: 52.77%

Run 5: Report of Verus — Data Link

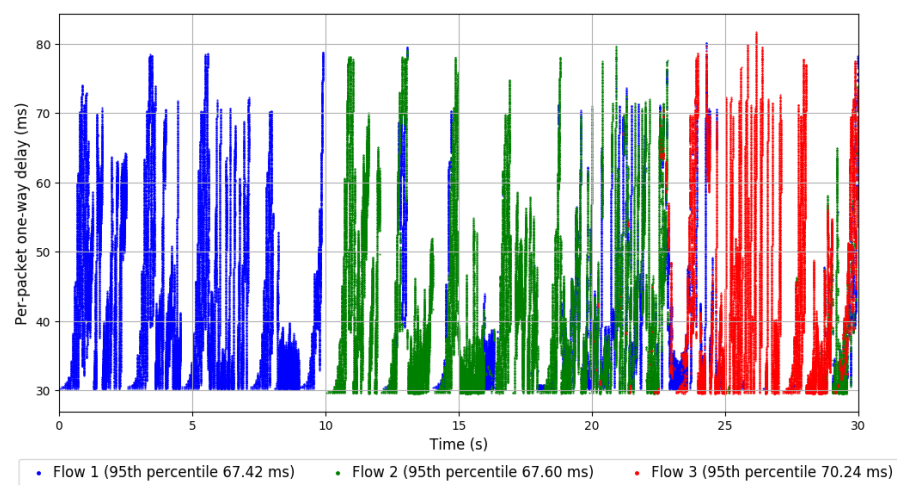
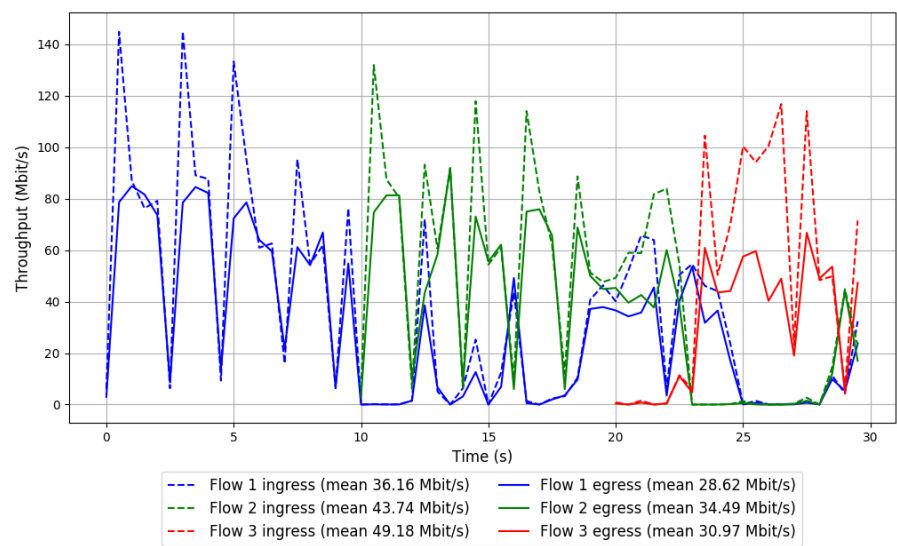


Run 6: Statistics of Verus

Start at: 2018-04-03 23:49:54
End at: 2018-04-03 23:50:24
Local clock offset: 0.844 ms
Remote clock offset: -3.529 ms

Below is generated by plot.py at 2018-04-04 03:05:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 68.150 ms
Loss rate: 24.03%
-- Flow 1:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 67.421 ms
Loss rate: 20.73%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 67.601 ms
Loss rate: 20.98%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 70.243 ms
Loss rate: 36.85%

Run 6: Report of Verus — Data Link

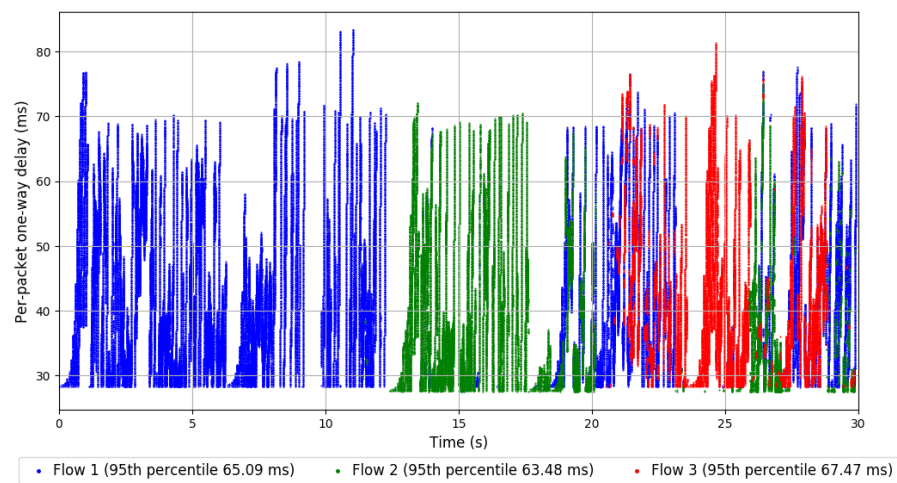
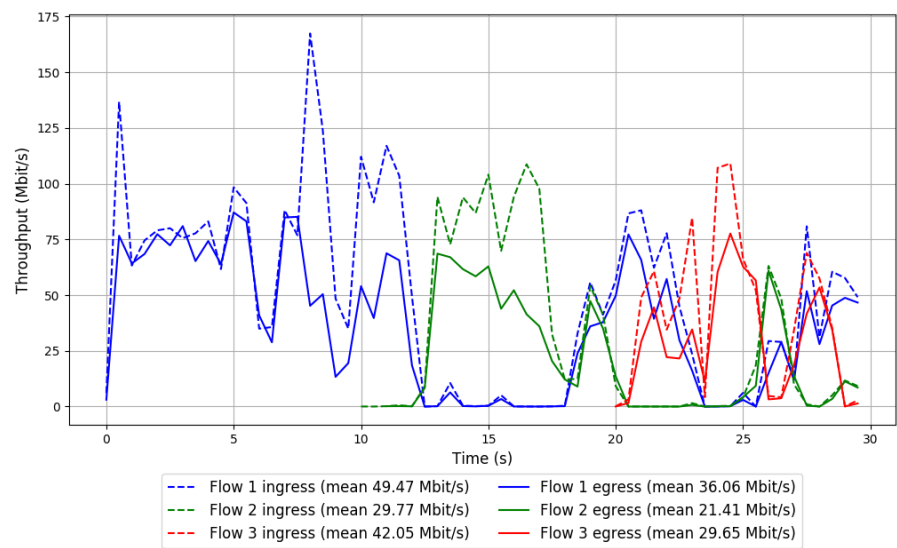


Run 7: Statistics of Verus

Start at: 2018-04-04 00:21:10
End at: 2018-04-04 00:21:40
Local clock offset: 0.266 ms
Remote clock offset: -2.015 ms

Below is generated by plot.py at 2018-04-04 03:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 65.125 ms
Loss rate: 28.68%
-- Flow 1:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 65.089 ms
Loss rate: 27.06%
-- Flow 2:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 63.481 ms
Loss rate: 31.85%
-- Flow 3:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 67.469 ms
Loss rate: 30.02%

Run 7: Report of Verus — Data Link

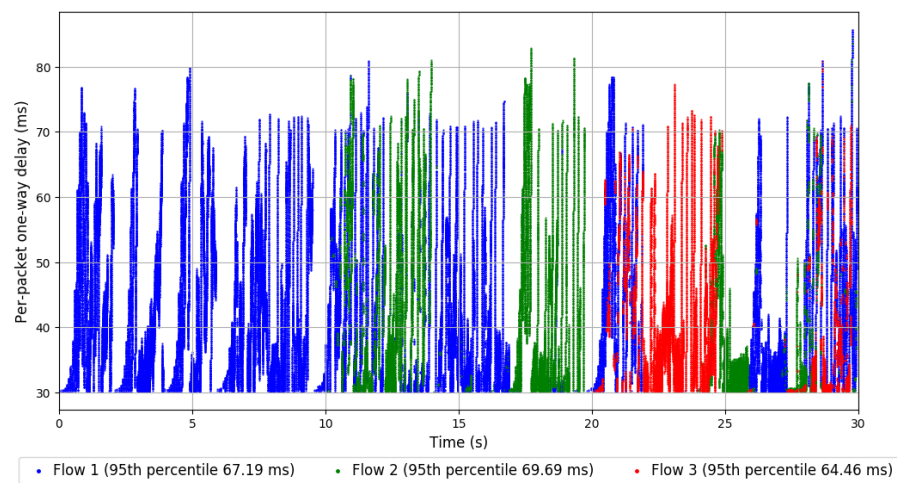
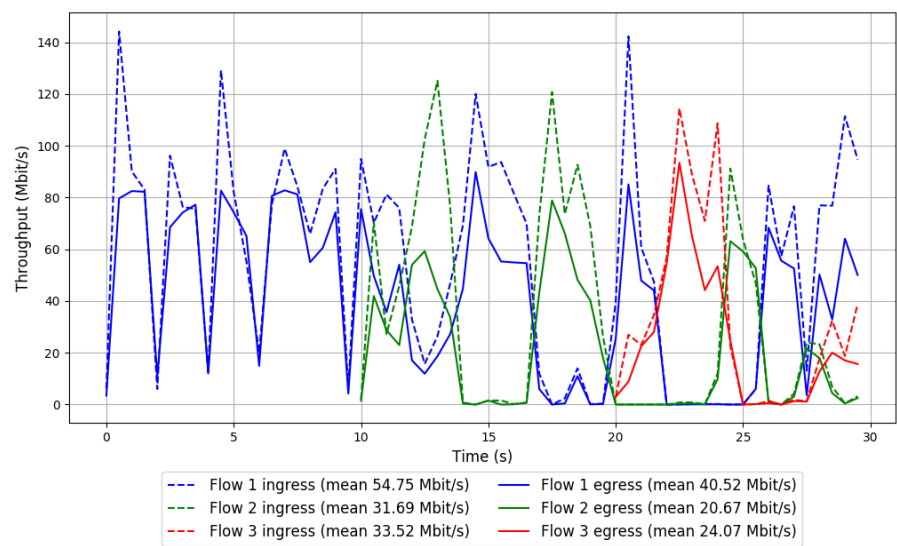


Run 8: Statistics of Verus

Start at: 2018-04-04 00:53:44
End at: 2018-04-04 00:54:14
Local clock offset: 0.475 ms
Remote clock offset: -0.555 ms

Below is generated by plot.py at 2018-04-04 03:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 67.501 ms
Loss rate: 28.51%
-- Flow 1:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 67.194 ms
Loss rate: 25.89%
-- Flow 2:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 69.689 ms
Loss rate: 34.74%
-- Flow 3:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 64.462 ms
Loss rate: 29.60%

Run 8: Report of Verus — Data Link

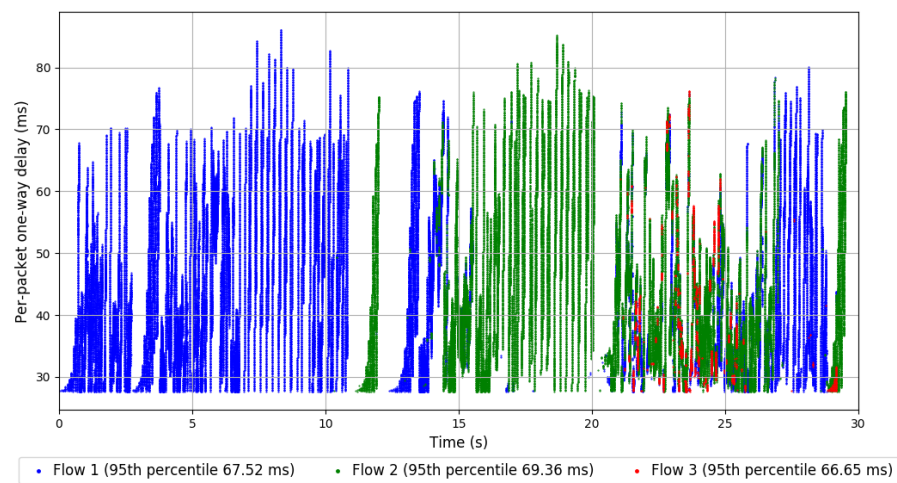
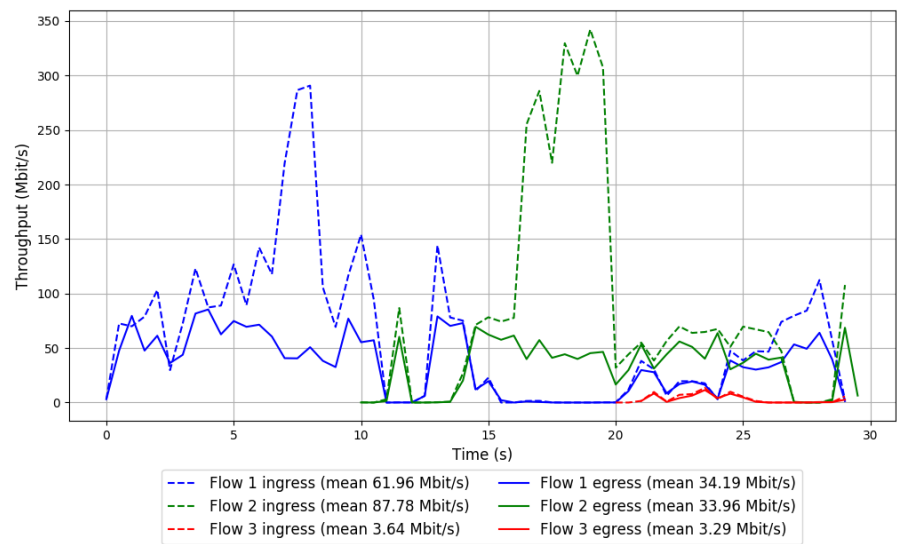


Run 9: Statistics of Verus

Start at: 2018-04-04 01:24:19
End at: 2018-04-04 01:24:49
Local clock offset: 0.446 ms
Remote clock offset: -4.218 ms

Below is generated by plot.py at 2018-04-04 03:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 68.206 ms
Loss rate: 52.48%
-- Flow 1:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 67.517 ms
Loss rate: 44.95%
-- Flow 2:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 69.361 ms
Loss rate: 61.23%
-- Flow 3:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 66.648 ms
Loss rate: 20.59%

Run 9: Report of Verus — Data Link

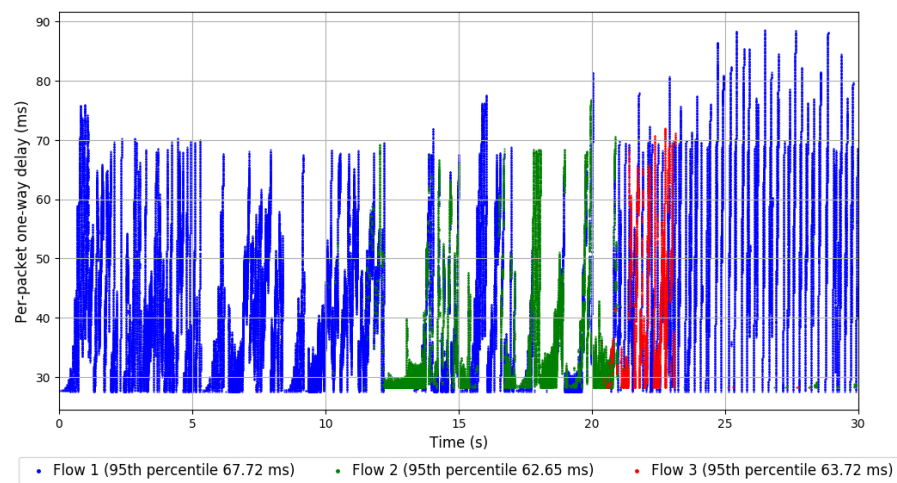
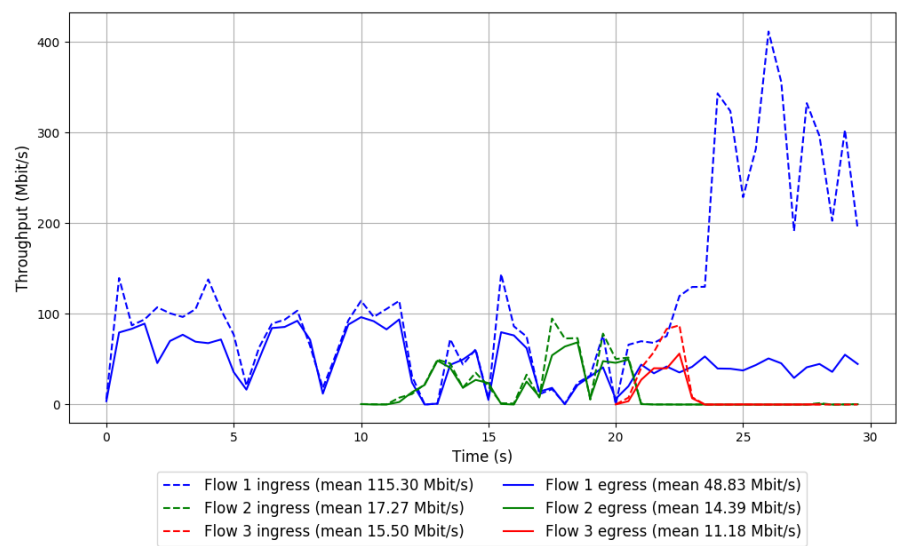


Run 10: Statistics of Verus

Start at: 2018-04-04 01:54:02
End at: 2018-04-04 01:54:32
Local clock offset: 0.114 ms
Remote clock offset: -3.807 ms

Below is generated by plot.py at 2018-04-04 03:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.29 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 53.36%
-- Flow 1:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 67.722 ms
Loss rate: 57.60%
-- Flow 2:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 62.645 ms
Loss rate: 16.70%
-- Flow 3:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 63.719 ms
Loss rate: 38.95%

Run 10: Report of Verus — Data Link

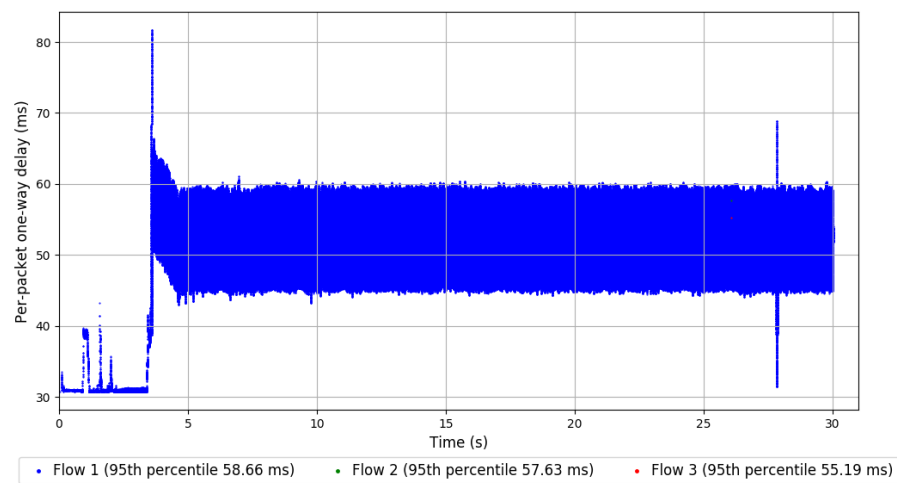
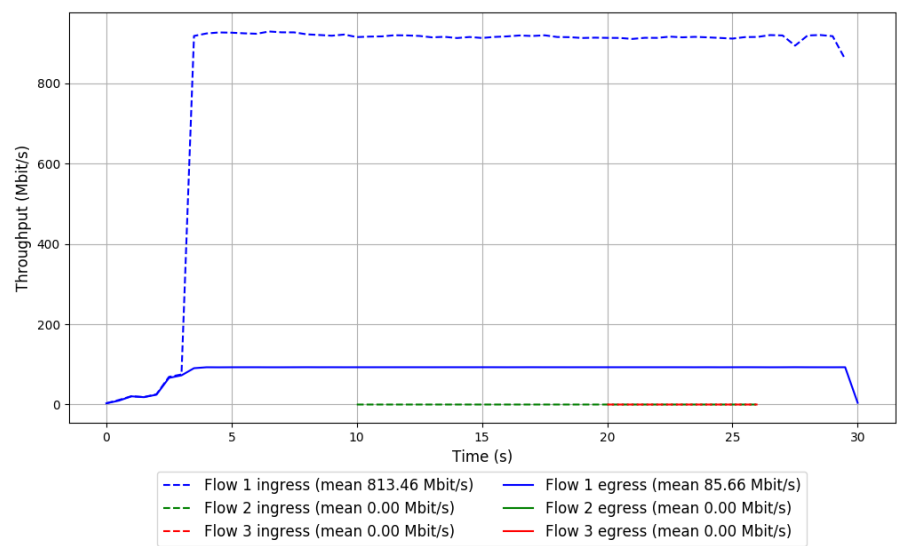


Run 1: Statistics of Copa

Start at: 2018-04-03 21:24:54
End at: 2018-04-03 21:25:24
Local clock offset: 0.829 ms
Remote clock offset: -1.564 ms

Below is generated by plot.py at 2018-04-04 03:13:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 89.46%
-- Flow 1:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 89.46%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 57.626 ms
Loss rate: 88.89%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 55.189 ms
Loss rate: 75.00%

Run 1: Report of Copa — Data Link

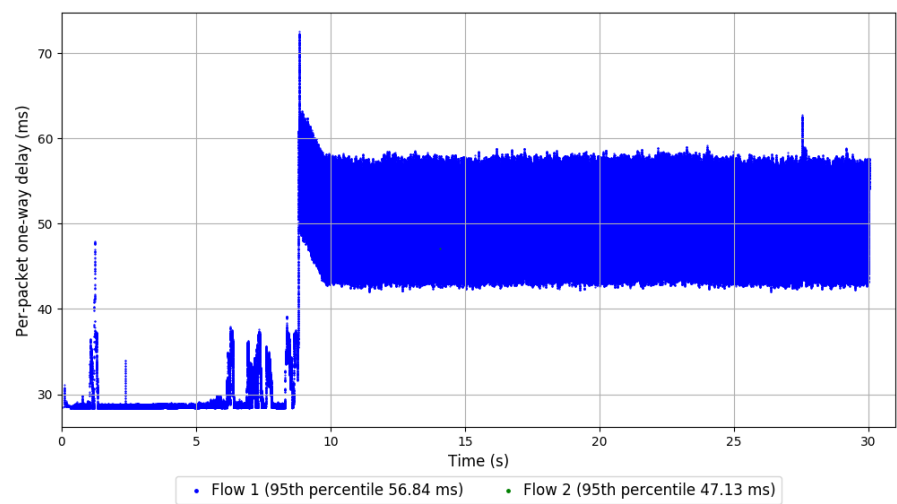
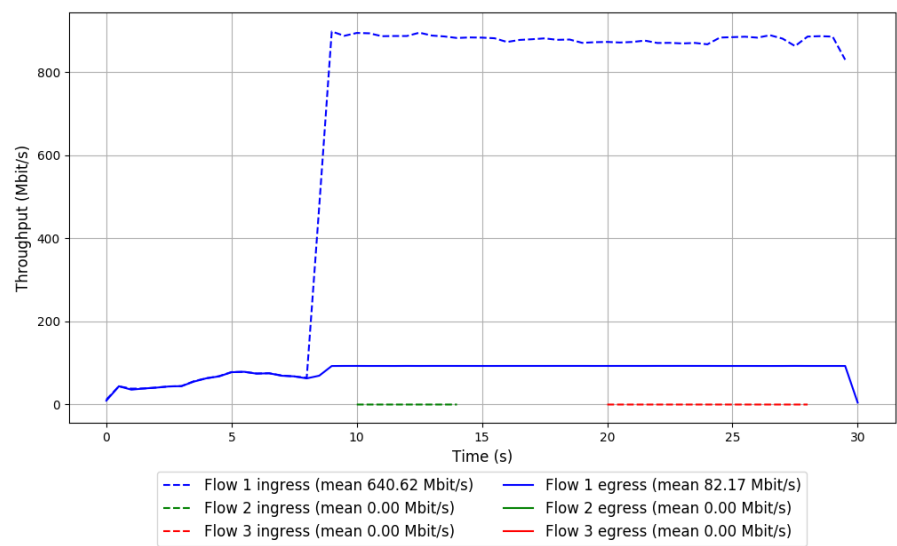


Run 2: Statistics of Copa

Start at: 2018-04-03 21:54:53
End at: 2018-04-03 21:55:23
Local clock offset: 0.855 ms
Remote clock offset: -7.252 ms

Below is generated by plot.py at 2018-04-04 03:13:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 56.843 ms
Loss rate: 87.16%
-- Flow 1:
Average throughput: 82.17 Mbit/s
95th percentile per-packet one-way delay: 56.843 ms
Loss rate: 87.16%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 47.132 ms
Loss rate: 66.67%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-04-03 22:25:02

End at: 2018-04-03 22:25:32

Local clock offset: 1.03 ms

Remote clock offset: -4.16 ms

Below is generated by plot.py at 2018-04-04 03:13:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.49 Mbit/s

95th percentile per-packet one-way delay: 56.423 ms

Loss rate: 89.67%

-- Flow 1:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 56.423 ms

Loss rate: 89.67%

-- Flow 2:

Average throughput: 0.00 Mbit/s

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

Loss rate: 90.00%

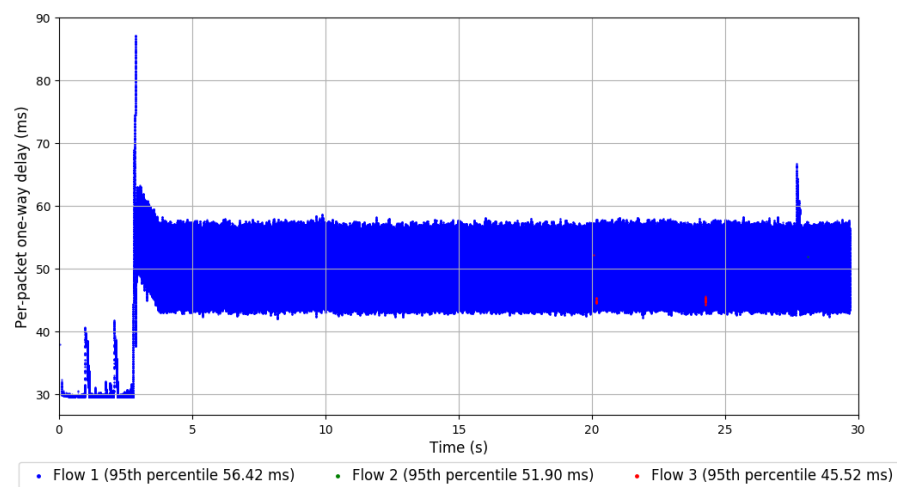
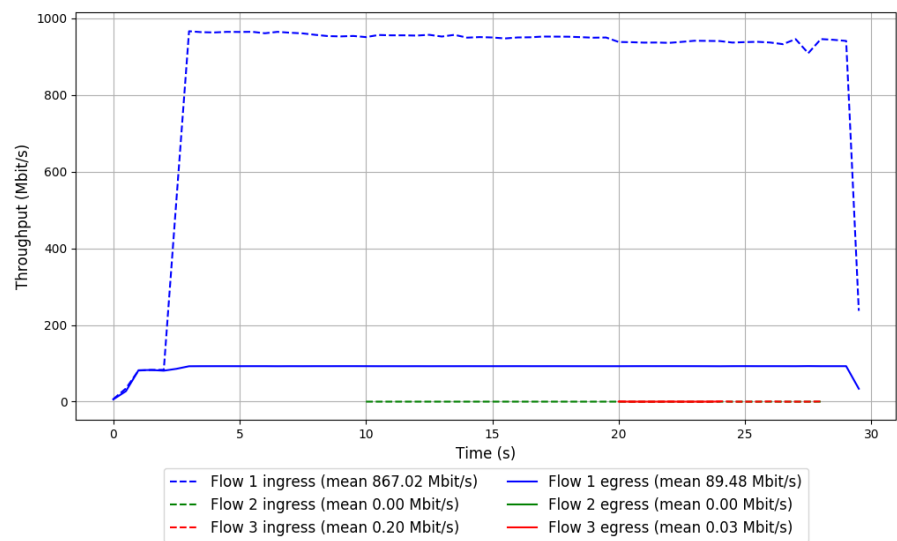
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 45.525 ms

Loss rate: 91.55%

Run 3: Report of Copa — Data Link

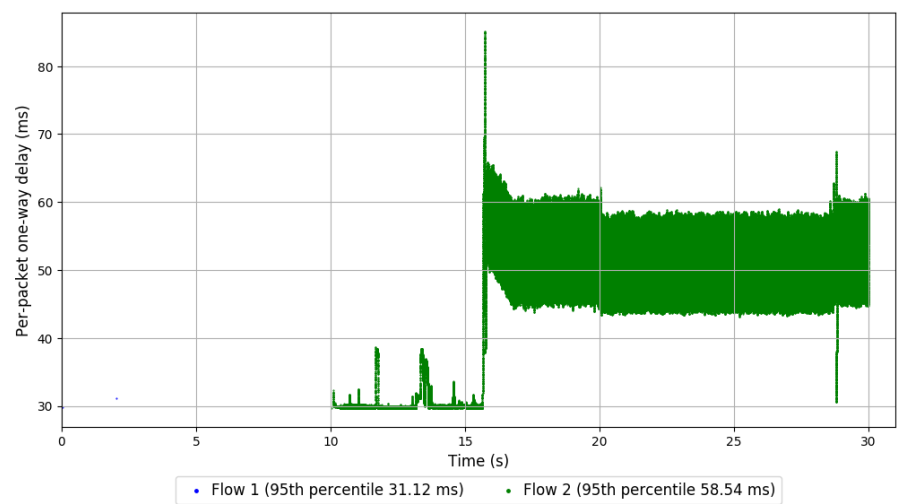
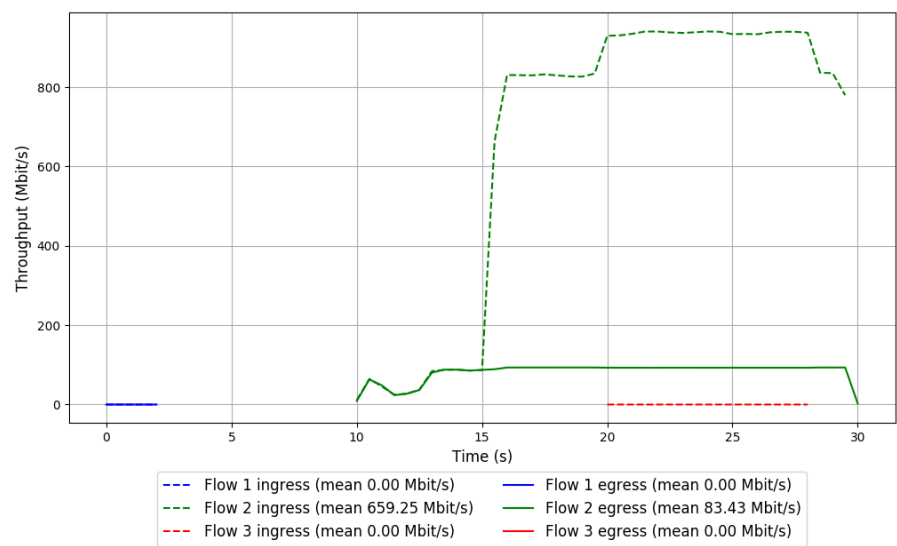


Run 4: Statistics of Copa

Start at: 2018-04-03 22:58:40
End at: 2018-04-03 22:59:10
Local clock offset: 1.281 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-04-04 03:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 58.541 ms
Loss rate: 87.33%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 58.541 ms
Loss rate: 87.33%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 4: Report of Copa — Data Link

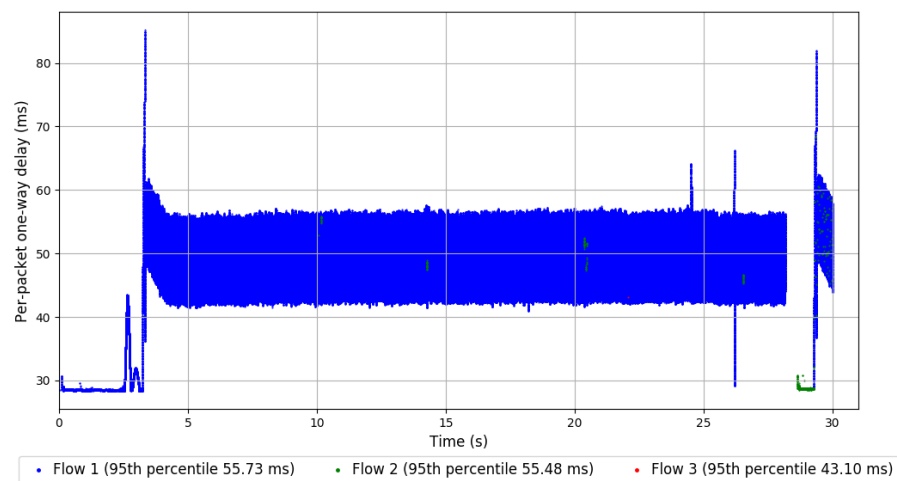
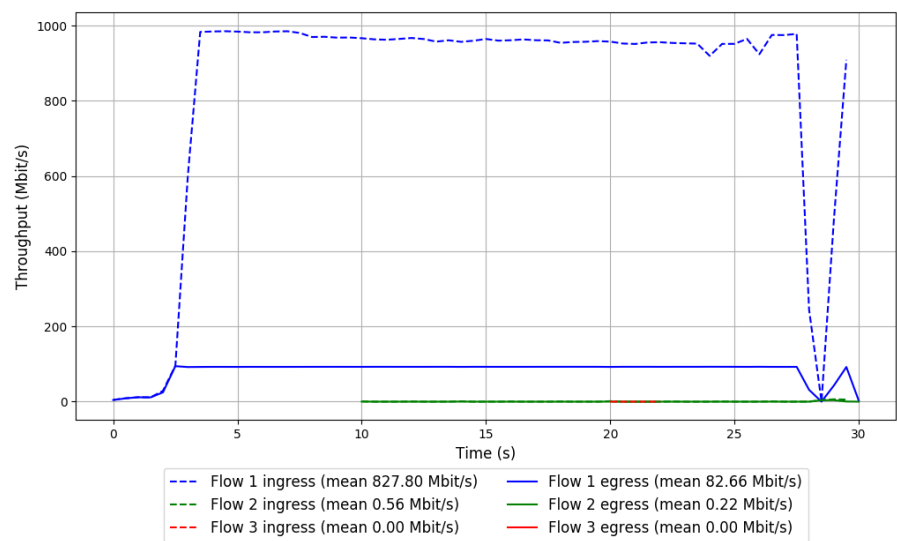


Run 5: Statistics of Copa

Start at: 2018-04-03 23:31:13
End at: 2018-04-03 23:31:43
Local clock offset: 1.177 ms
Remote clock offset: -3.497 ms

Below is generated by plot.py at 2018-04-04 03:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.80 Mbit/s
95th percentile per-packet one-way delay: 55.727 ms
Loss rate: 90.00%
-- Flow 1:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 55.727 ms
Loss rate: 90.01%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.485 ms
Loss rate: 61.51%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 43.103 ms
Loss rate: 50.00%

Run 5: Report of Copa — Data Link

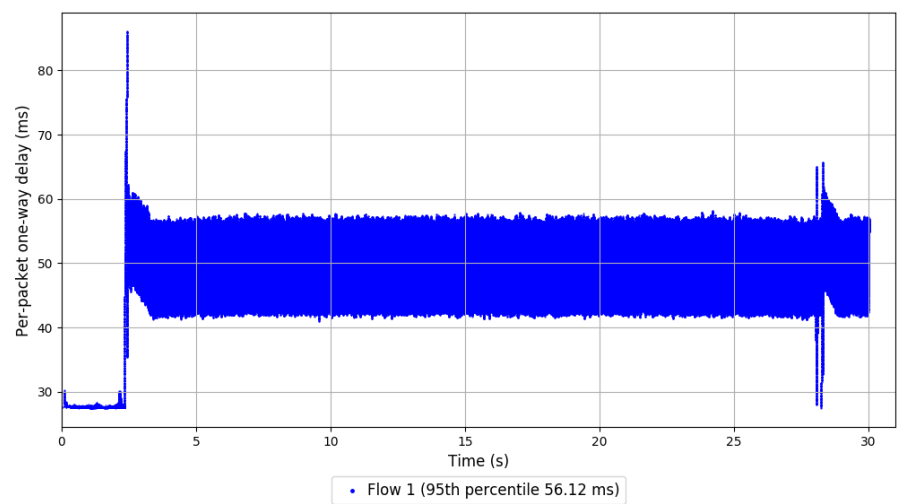
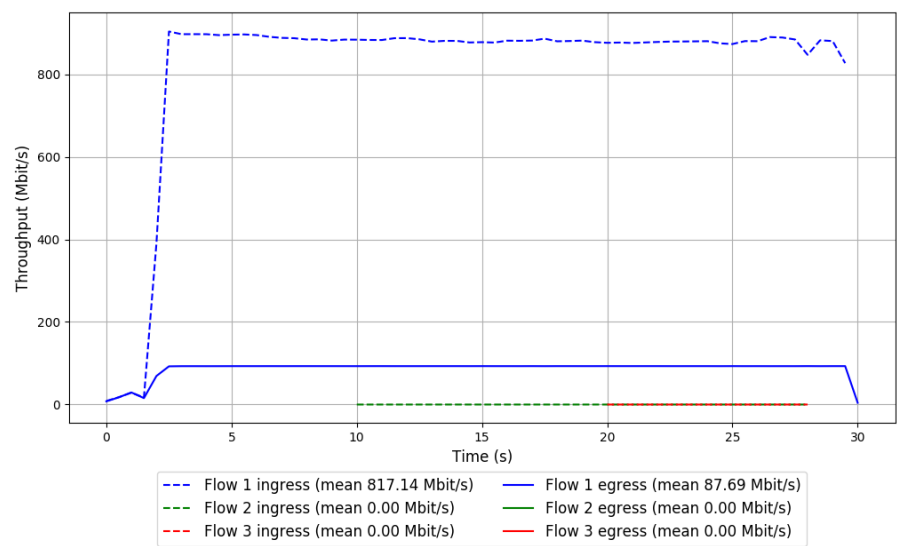


Run 6: Statistics of Copa

Start at: 2018-04-04 00:03:46
End at: 2018-04-04 00:04:16
Local clock offset: 0.614 ms
Remote clock offset: -4.507 ms

Below is generated by plot.py at 2018-04-04 03:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 56.125 ms
Loss rate: 89.26%
-- Flow 1:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 56.125 ms
Loss rate: 89.26%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 6: Report of Copa — Data Link

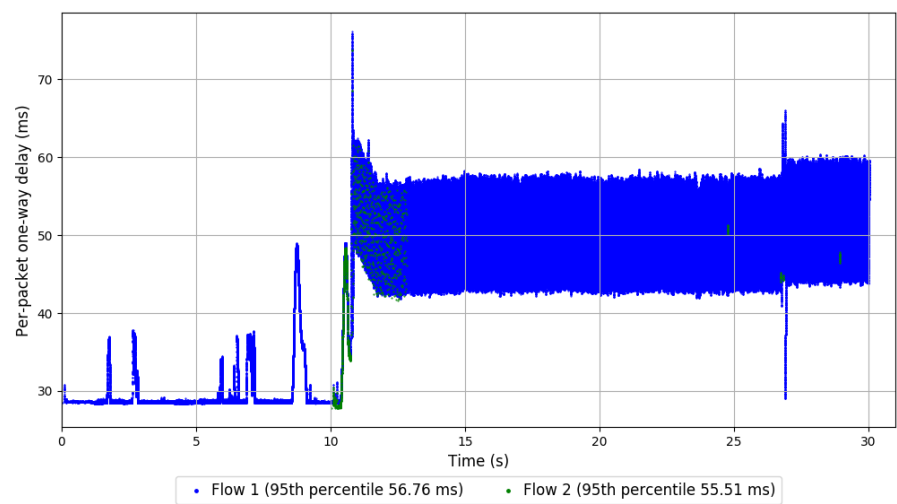
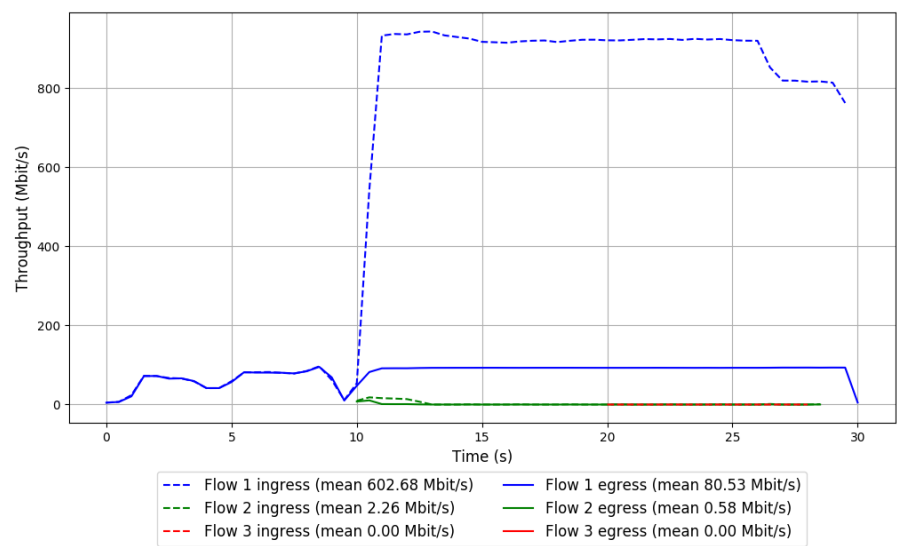


Run 7: Statistics of Copa

Start at: 2018-04-04 00:35:40
End at: 2018-04-04 00:36:10
Local clock offset: 0.318 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2018-04-04 03:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 56.756 ms
Loss rate: 86.60%
-- Flow 1:
Average throughput: 80.53 Mbit/s
95th percentile per-packet one-way delay: 56.757 ms
Loss rate: 86.62%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 55.505 ms
Loss rate: 74.29%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 7: Report of Copa — Data Link

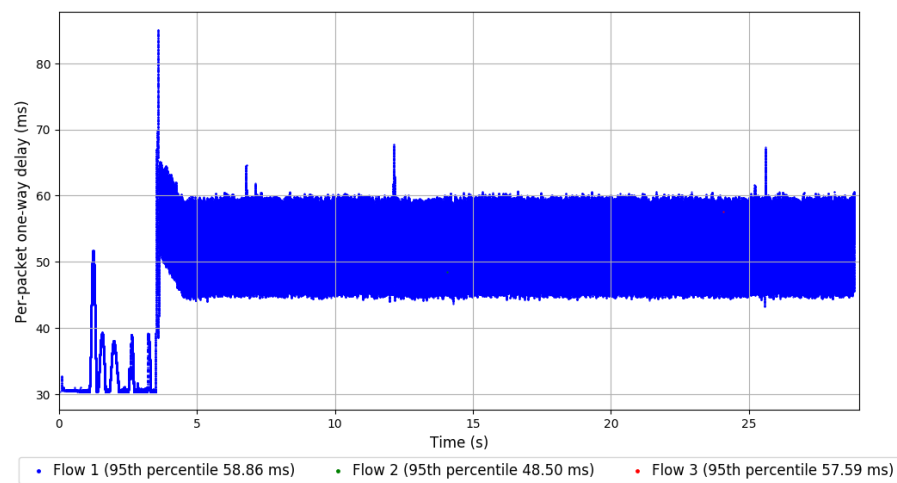
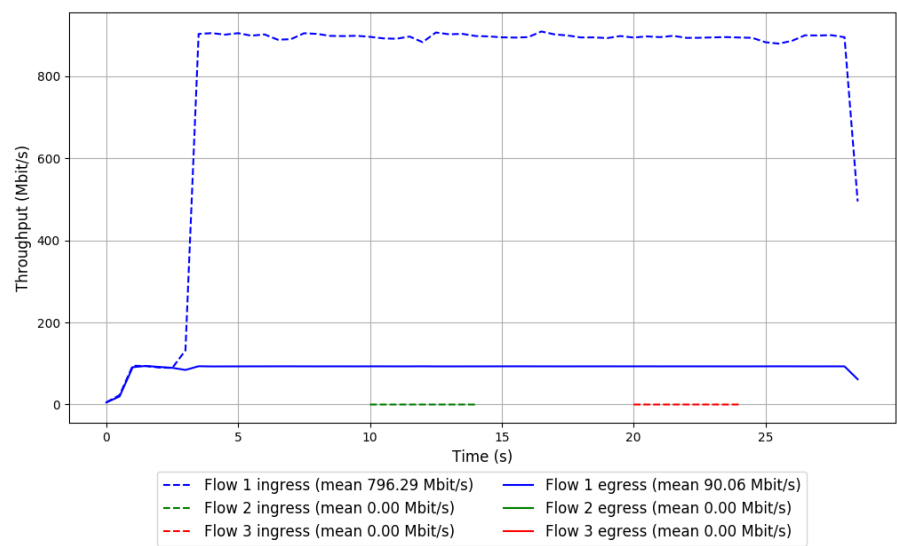


Run 8: Statistics of Copa

Start at: 2018-04-04 01:07:36
End at: 2018-04-04 01:08:06
Local clock offset: 0.572 ms
Remote clock offset: -1.001 ms

Below is generated by plot.py at 2018-04-04 03:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 58.860 ms
Loss rate: 88.68%
-- Flow 1:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 58.860 ms
Loss rate: 88.68%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 48.504 ms
Loss rate: 66.67%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 57.587 ms
Loss rate: 66.67%

Run 8: Report of Copa — Data Link

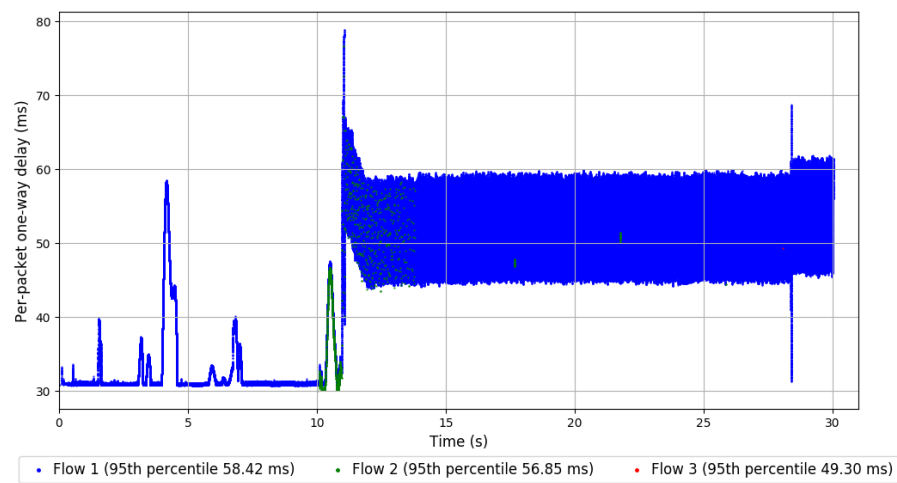
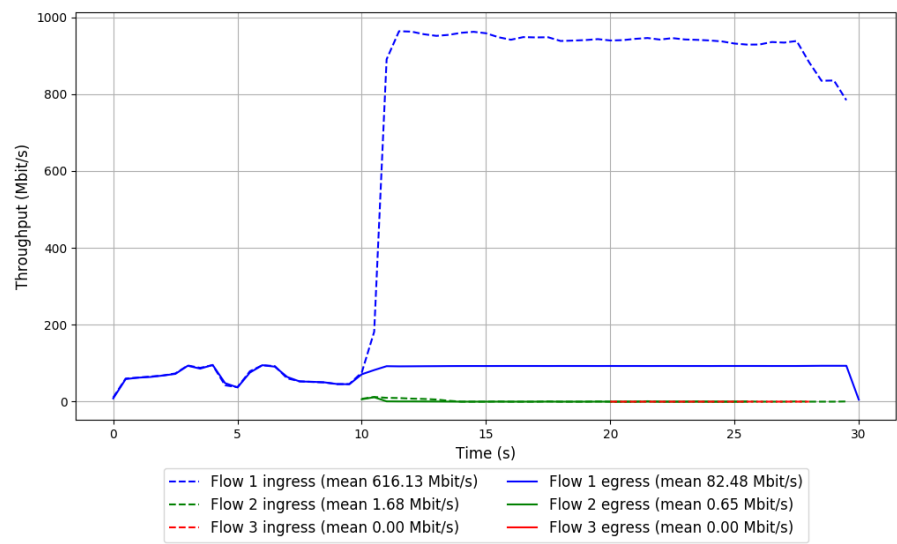


Run 9: Statistics of Copa

Start at: 2018-04-04 01:37:34
End at: 2018-04-04 01:38:04
Local clock offset: 0.377 ms
Remote clock offset: -1.959 ms

Below is generated by plot.py at 2018-04-04 03:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 58.419 ms
Loss rate: 86.57%
-- Flow 1:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 58.420 ms
Loss rate: 86.60%
-- Flow 2:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 56.853 ms
Loss rate: 68.98%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.302 ms
Loss rate: 80.00%

Run 9: Report of Copa — Data Link

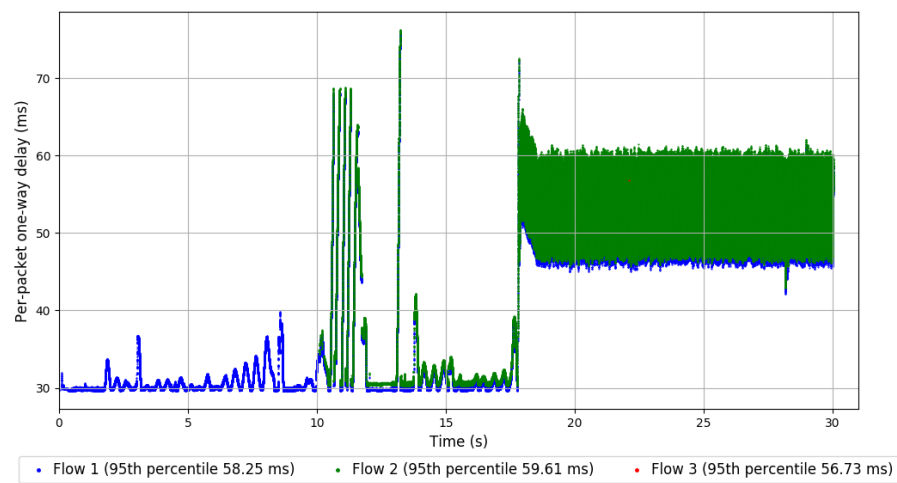
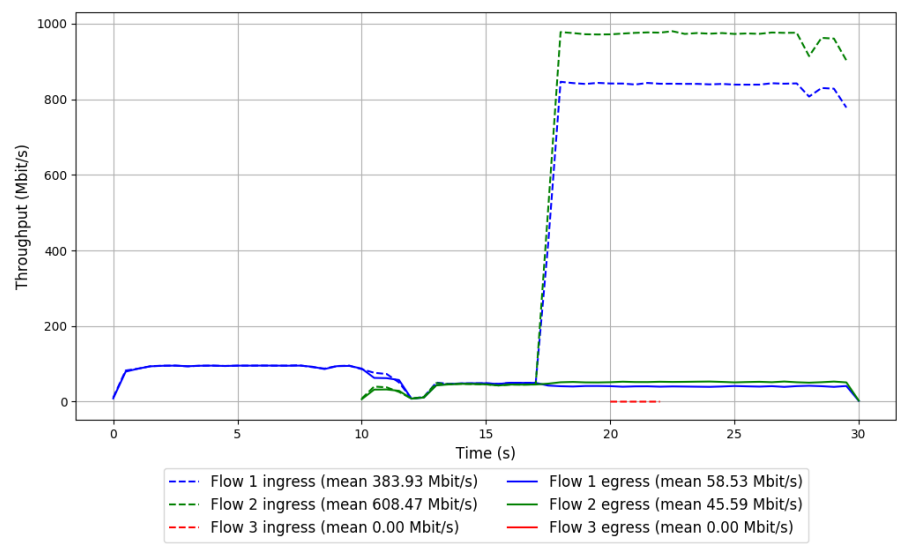


Run 10: Statistics of Copa

Start at: 2018-04-04 02:06:42
End at: 2018-04-04 02:07:12
Local clock offset: 0.032 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 58.986 ms
Loss rate: 88.73%
-- Flow 1:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 58.249 ms
Loss rate: 84.74%
-- Flow 2:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 59.608 ms
Loss rate: 92.50%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 56.735 ms
Loss rate: 50.00%

Run 10: Report of Copa — Data Link

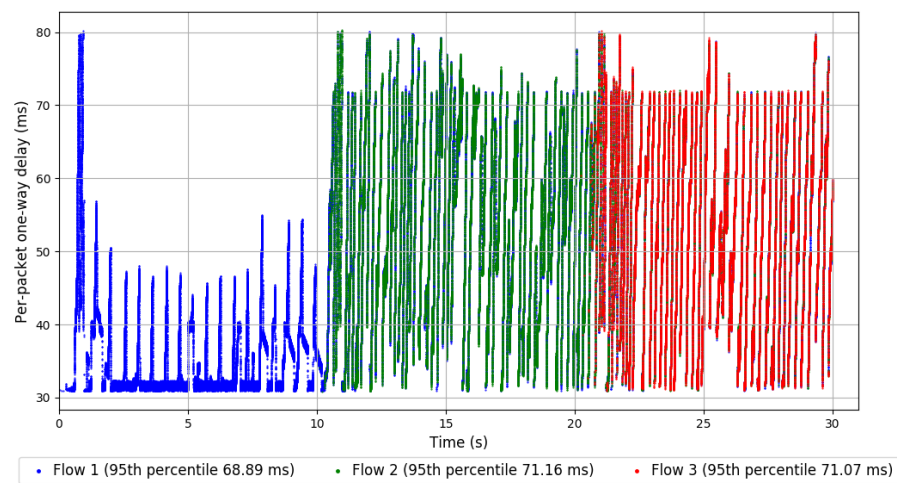
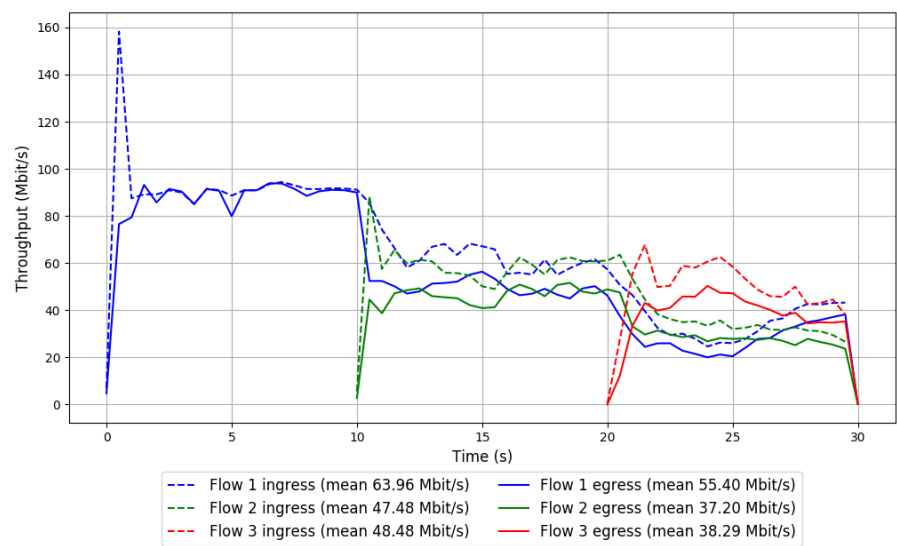


```
Run 1: Statistics of FillP

Start at: 2018-04-03 21:32:35
End at: 2018-04-03 21:33:05
Local clock offset: 0.798 ms
Remote clock offset: -1.755 ms

# Below is generated by plot.py at 2018-04-04 03:20:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 70.238 ms
Loss rate: 16.93%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 68.893 ms
Loss rate: 13.31%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 71.159 ms
Loss rate: 21.57%
-- Flow 3:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 71.067 ms
Loss rate: 22.23%
```


Run 1: Report of FillP — Data Link

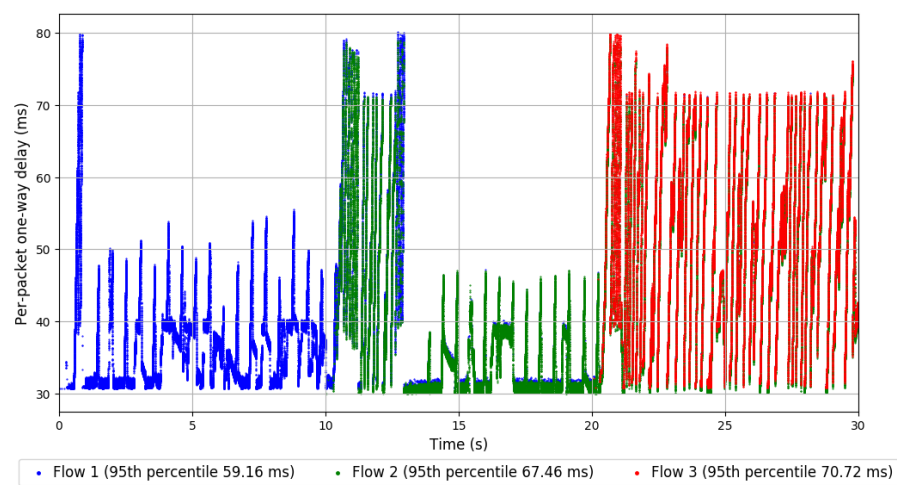
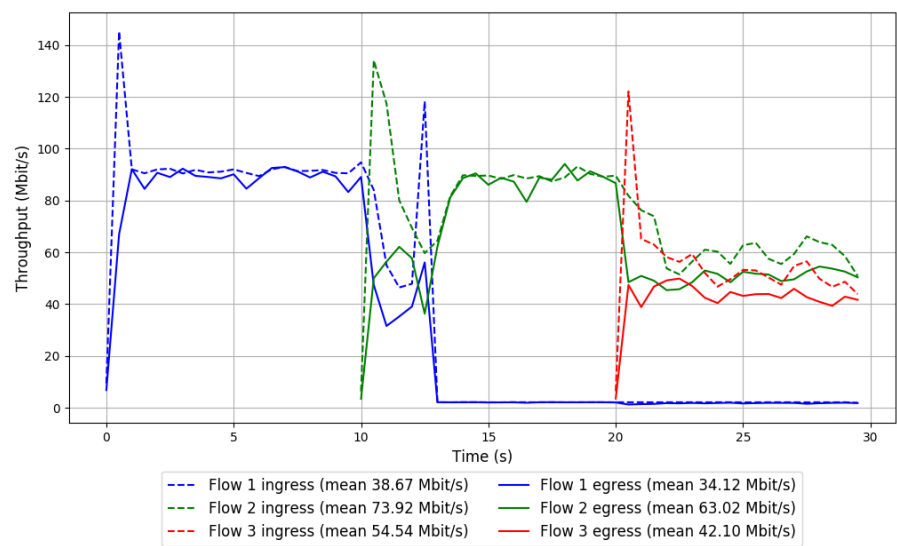


Run 2: Statistics of FillP

Start at: 2018-04-03 22:02:01
End at: 2018-04-03 22:02:31
Local clock offset: 0.895 ms
Remote clock offset: -5.798 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 67.541 ms
Loss rate: 14.99%
-- Flow 1:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 59.164 ms
Loss rate: 11.74%
-- Flow 2:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 67.459 ms
Loss rate: 14.70%
-- Flow 3:
Average throughput: 42.10 Mbit/s
95th percentile per-packet one-way delay: 70.717 ms
Loss rate: 22.74%

Run 2: Report of FillP — Data Link

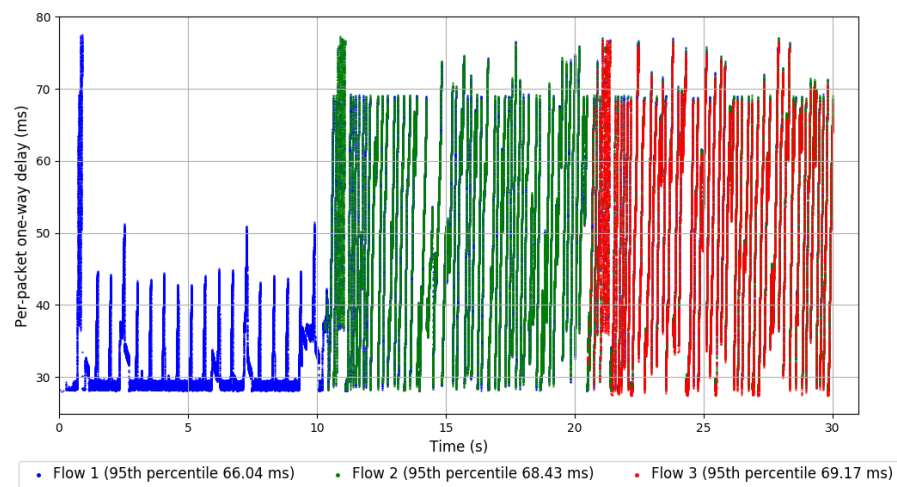
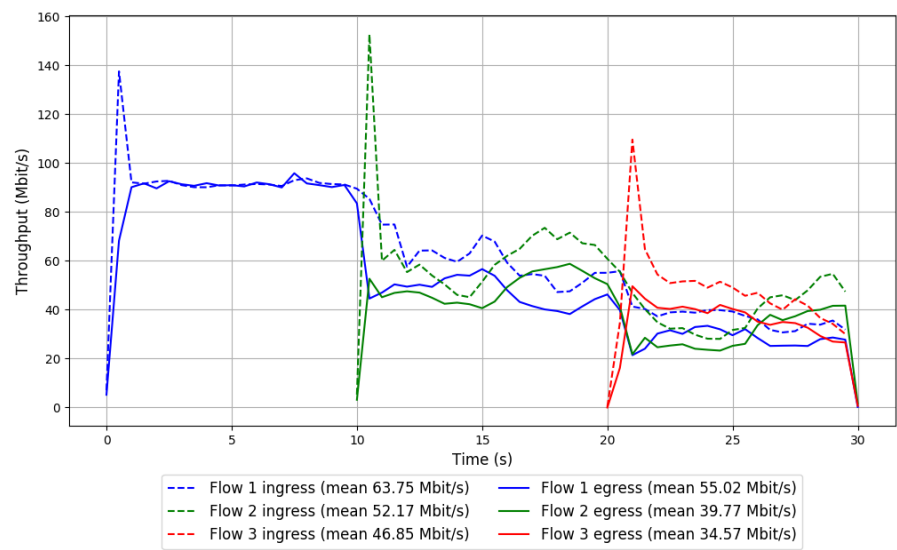


Run 3: Statistics of FillP

Start at: 2018-04-03 22:33:26
End at: 2018-04-03 22:33:56
Local clock offset: 1.226 ms
Remote clock offset: -4.171 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 67.413 ms
Loss rate: 18.36%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 66.037 ms
Loss rate: 13.61%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 68.427 ms
Loss rate: 23.63%
-- Flow 3:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 69.168 ms
Loss rate: 26.07%

Run 3: Report of FillP — Data Link

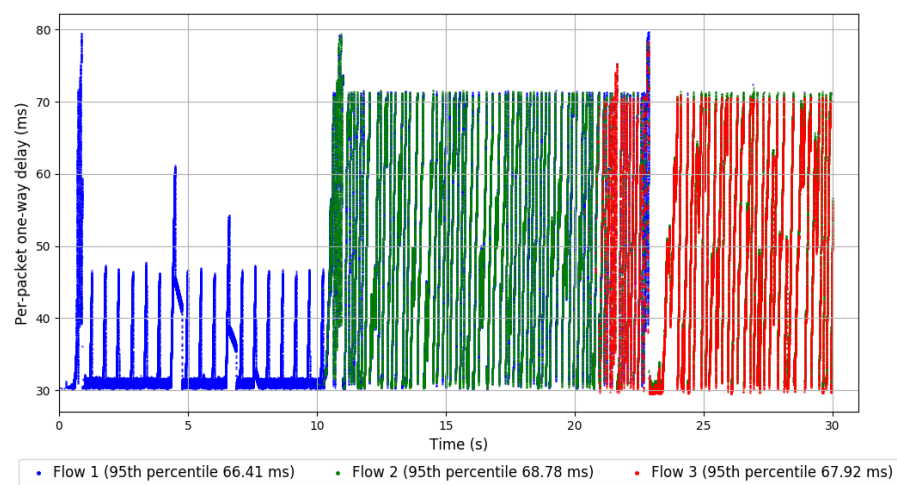
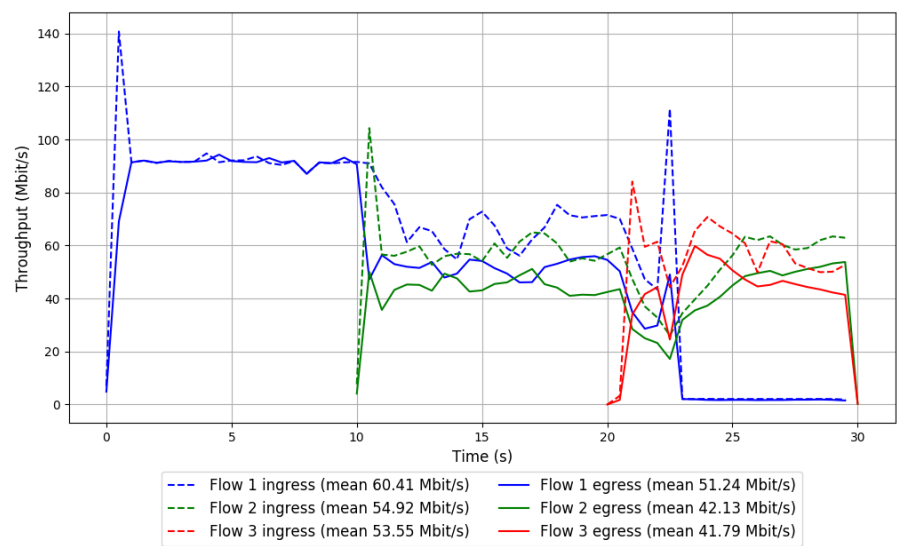


Run 4: Statistics of FillP

Start at: 2018-04-03 23:06:28
End at: 2018-04-03 23:06:58
Local clock offset: 1.211 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 67.821 ms
Loss rate: 18.92%
-- Flow 1:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 66.414 ms
Loss rate: 15.11%
-- Flow 2:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 68.784 ms
Loss rate: 23.19%
-- Flow 3:
Average throughput: 41.79 Mbit/s
95th percentile per-packet one-way delay: 67.921 ms
Loss rate: 23.07%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-03 23:39:37

End at: 2018-04-03 23:40:07

Local clock offset: 0.9 ms

Remote clock offset: -2.75 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 68.751 ms

Loss rate: 15.49%

-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 67.297 ms

Loss rate: 12.30%

-- Flow 2:

Average throughput: 39.04 Mbit/s

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

Loss rate: 20.90%

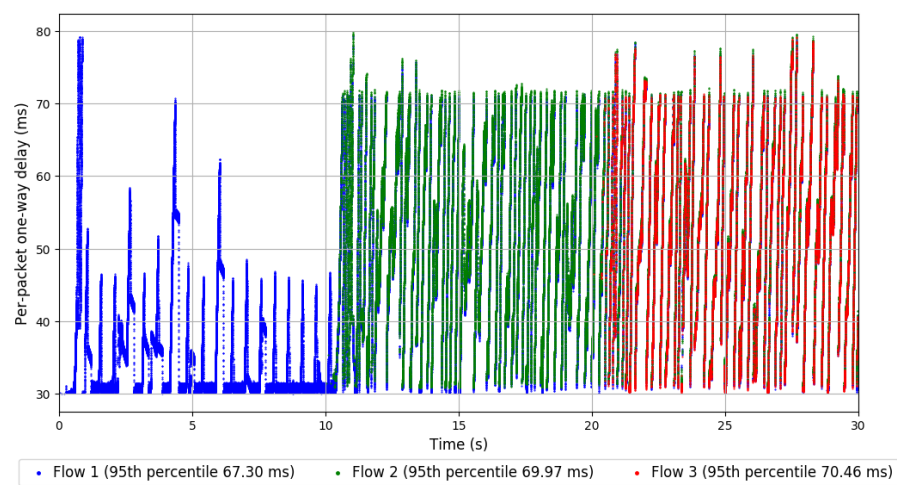
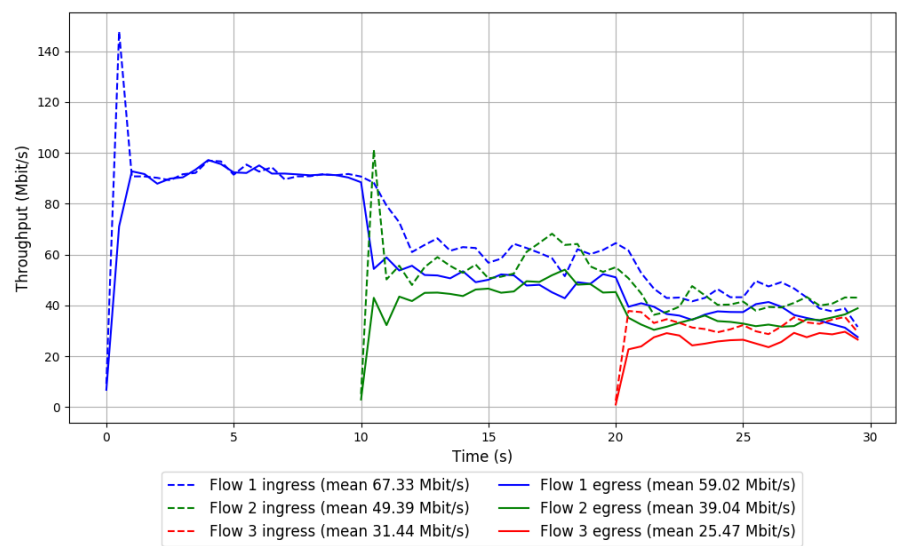
-- Flow 3:

Average throughput: 25.47 Mbit/s

95th percentile per-packet one-way delay: 70.459 ms

Loss rate: 19.03%

Run 5: Report of FillP — Data Link

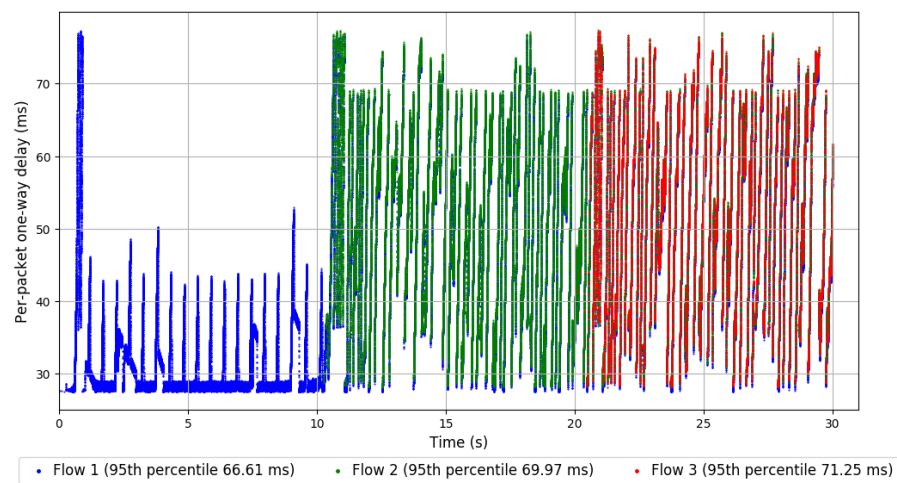
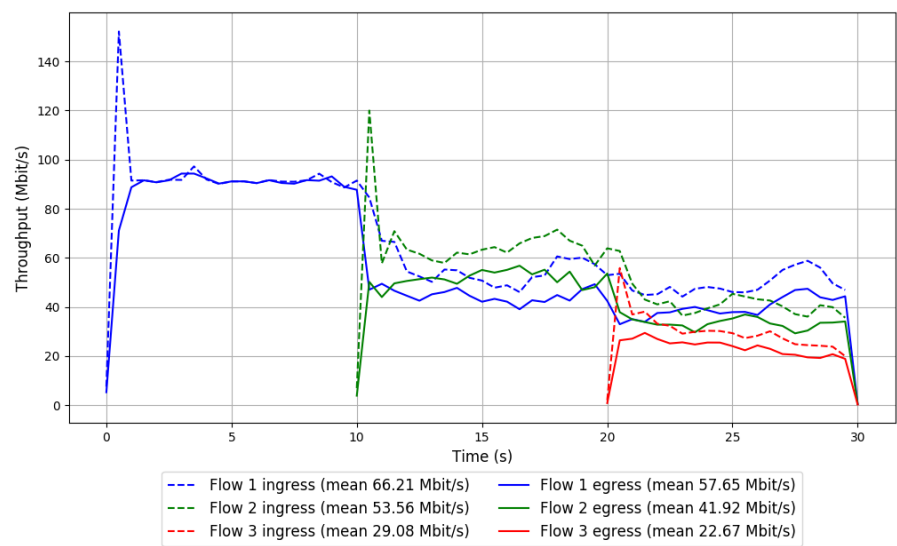


Run 6: Statistics of FillP

Start at: 2018-04-04 00:11:18
End at: 2018-04-04 00:11:48
Local clock offset: 0.446 ms
Remote clock offset: -3.083 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 68.394 ms
Loss rate: 16.42%
-- Flow 1:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 66.614 ms
Loss rate: 12.83%
-- Flow 2:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 69.969 ms
Loss rate: 21.61%
-- Flow 3:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 71.254 ms
Loss rate: 21.88%

Run 6: Report of FillP — Data Link

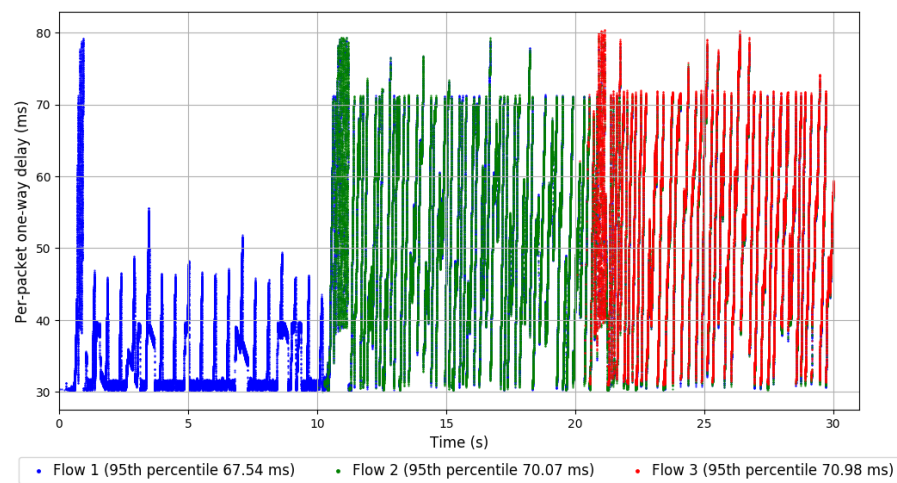
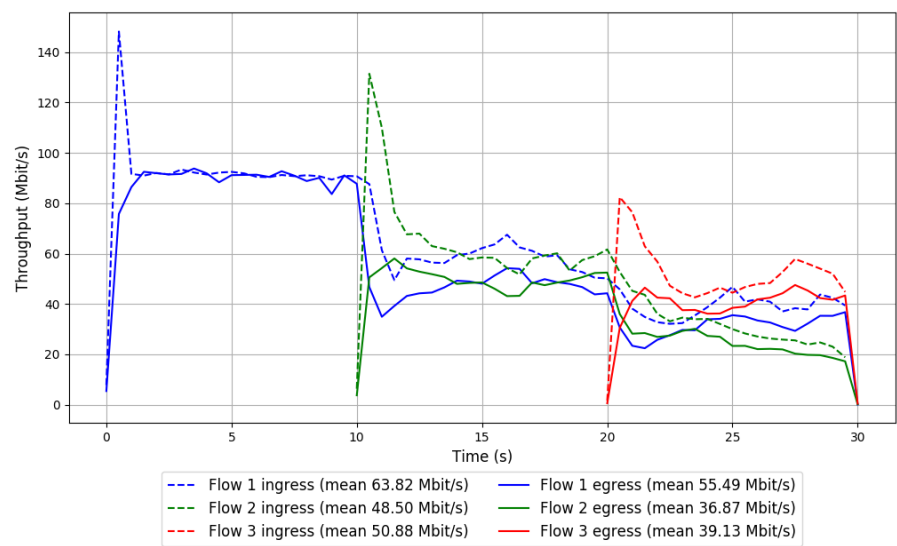


Run 7: Statistics of FillP

Start at: 2018-04-04 00:43:33
End at: 2018-04-04 00:44:03
Local clock offset: 0.359 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 69.302 ms
Loss rate: 17.58%
-- Flow 1:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 67.536 ms
Loss rate: 12.97%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 70.070 ms
Loss rate: 23.88%
-- Flow 3:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 70.982 ms
Loss rate: 23.00%

Run 7: Report of FillP — Data Link

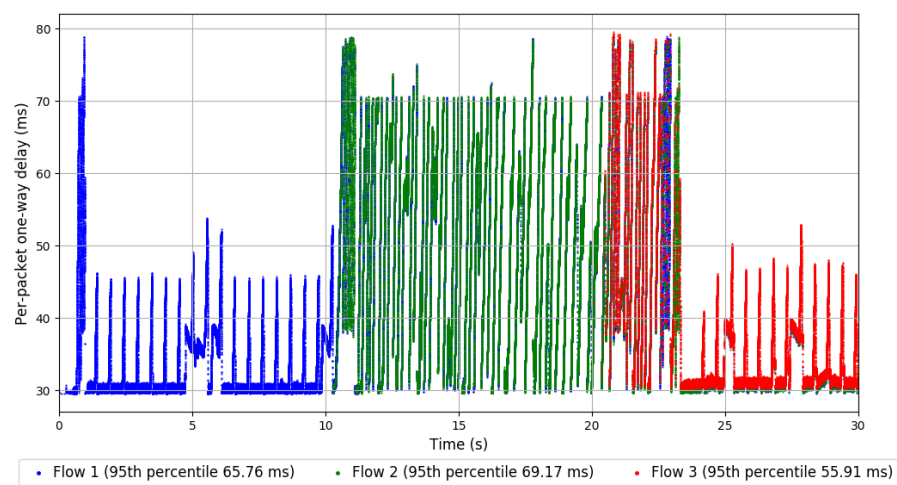
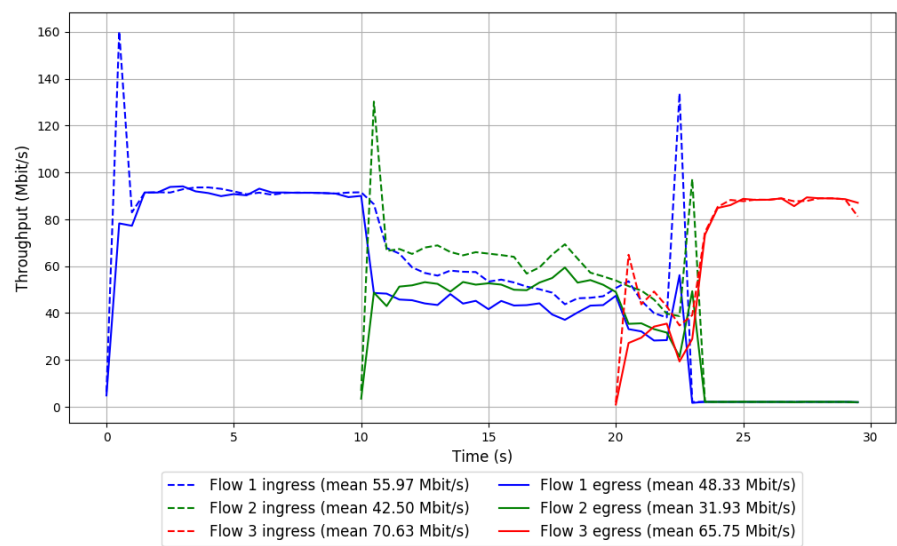


Run 8: Statistics of FillP

Start at: 2018-04-04 01:14:56
End at: 2018-04-04 01:15:26
Local clock offset: 0.555 ms
Remote clock offset: -1.802 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 15.16%
-- Flow 1:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 65.760 ms
Loss rate: 13.64%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 69.175 ms
Loss rate: 24.89%
-- Flow 3:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 55.911 ms
Loss rate: 7.01%

Run 8: Report of FillP — Data Link

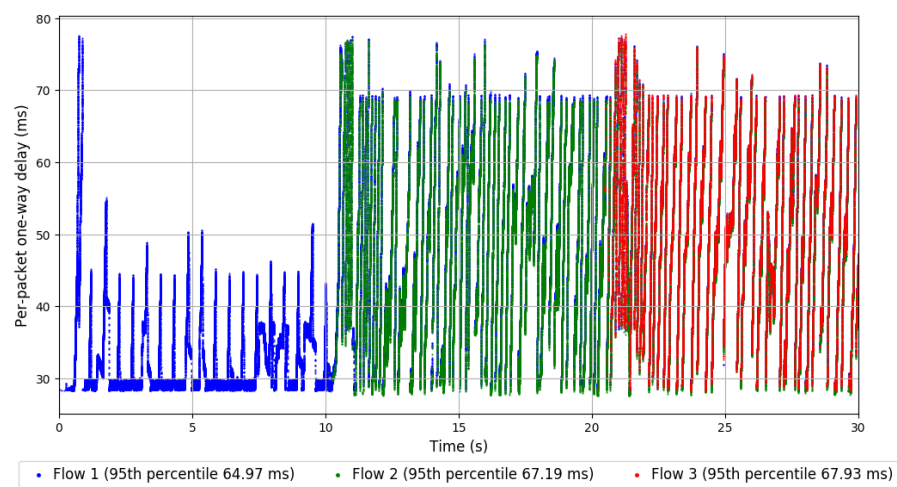
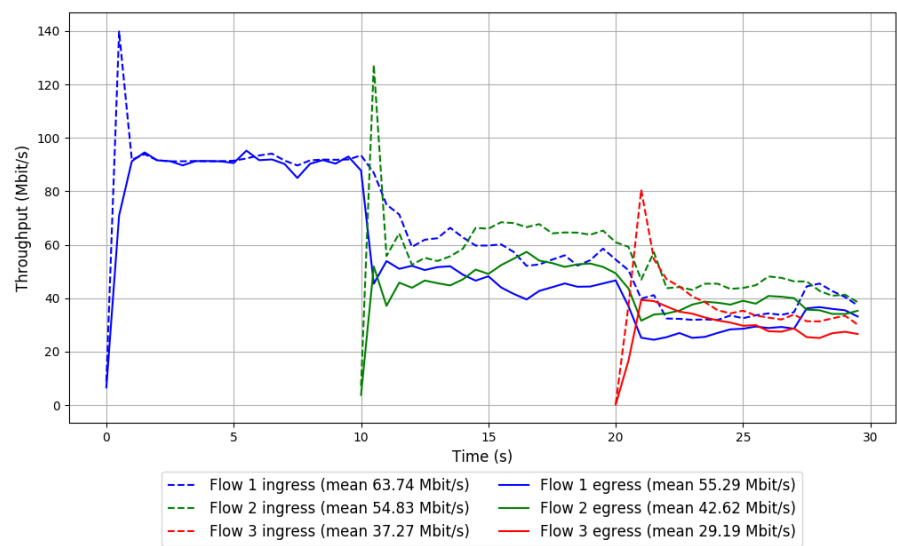


Run 9: Statistics of FillP

Start at: 2018-04-04 01:45:01
End at: 2018-04-04 01:45:31
Local clock offset: 0.246 ms
Remote clock offset: -4.147 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 66.411 ms
Loss rate: 17.17%
-- Flow 1:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 64.966 ms
Loss rate: 13.21%
-- Flow 2:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 67.193 ms
Loss rate: 22.20%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 67.927 ms
Loss rate: 22.72%

Run 9: Report of FillP — Data Link

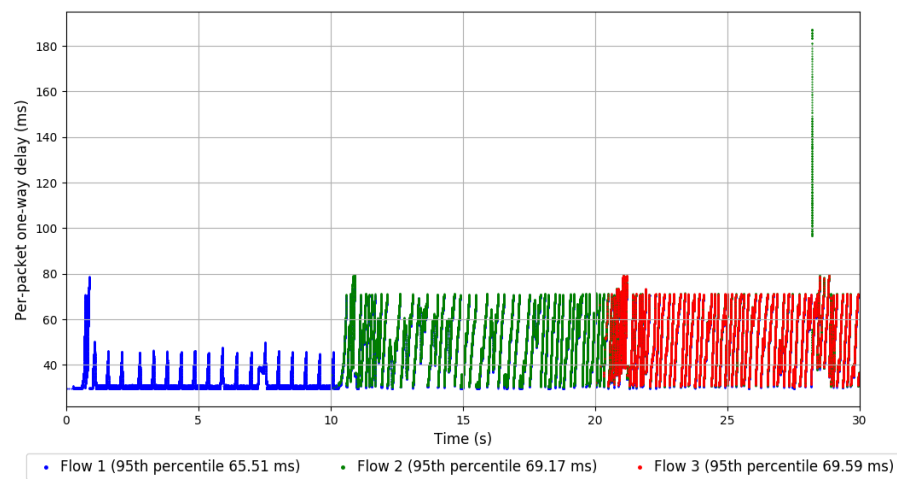
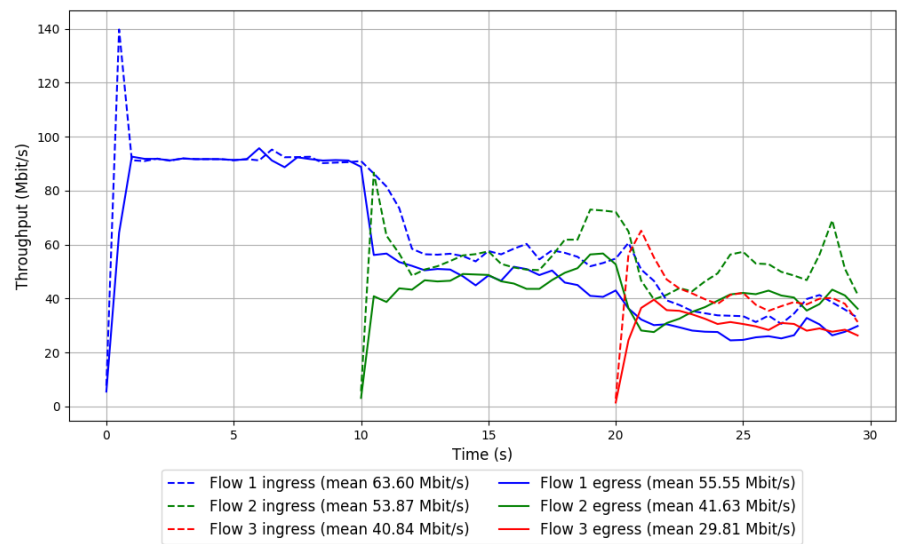


Run 10: Statistics of FillP

Start at: 2018-04-04 02:13:14
End at: 2018-04-04 02:13:44
Local clock offset: -0.028 ms
Remote clock offset: -1.043 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 67.806 ms
Loss rate: 17.56%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 65.506 ms
Loss rate: 12.65%
-- Flow 2:
Average throughput: 41.63 Mbit/s
95th percentile per-packet one-way delay: 69.172 ms
Loss rate: 22.71%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 69.593 ms
Loss rate: 26.98%

Run 10: Report of FillP — Data Link

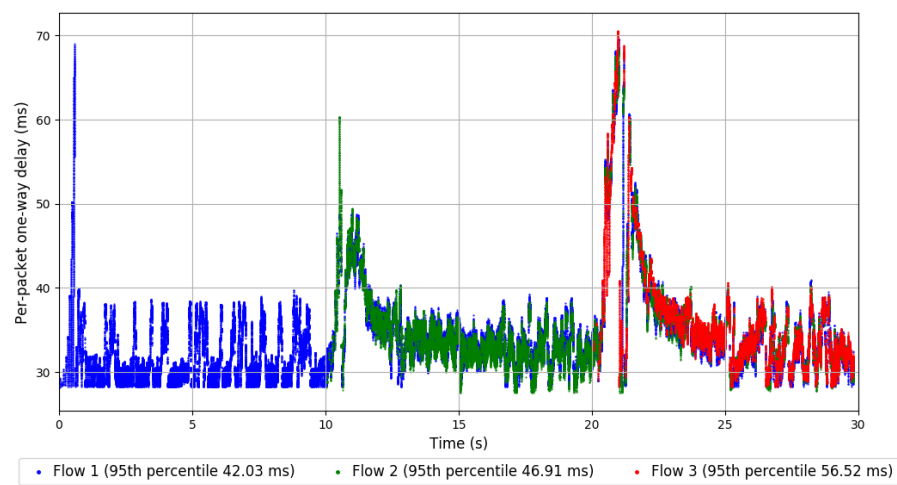
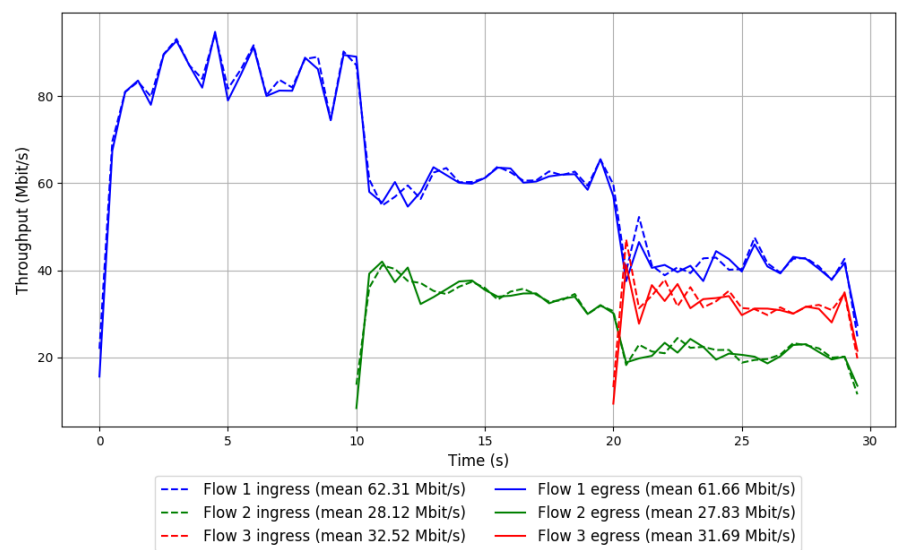


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-03 21:18:37
End at: 2018-04-03 21:19:07
Local clock offset: 0.799 ms
Remote clock offset: -3.966 ms

# Below is generated by plot.py at 2018-04-04 03:20:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.48 Mbit/s
95th percentile per-packet one-way delay: 44.951 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 42.032 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 46.910 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 56.523 ms
Loss rate: 2.57%
```

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

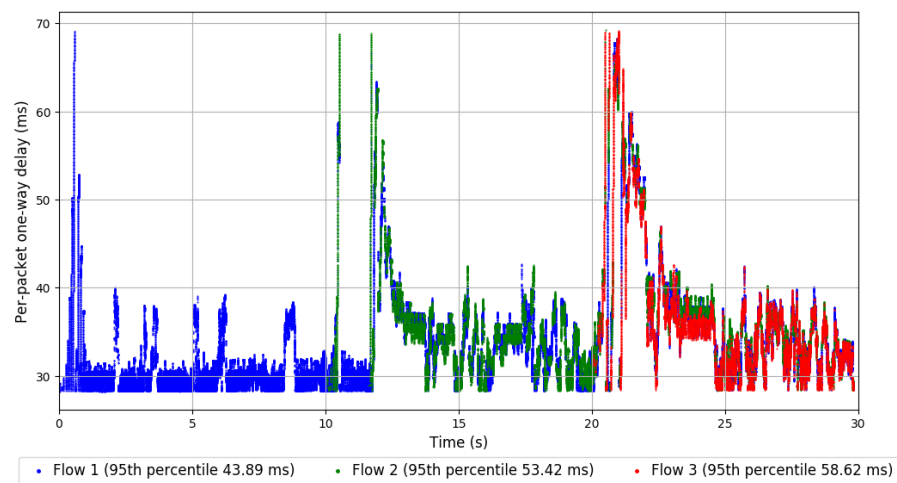
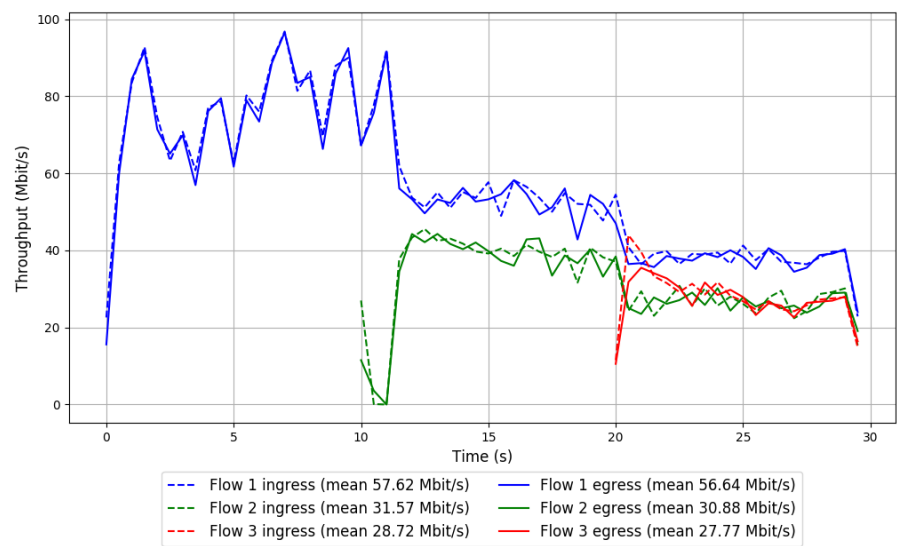


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-03 21:48:37
End at: 2018-04-03 21:49:07
Local clock offset: 0.903 ms
Remote clock offset: -6.148 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 50.100 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 43.887 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 53.421 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 58.620 ms
Loss rate: 3.34%

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

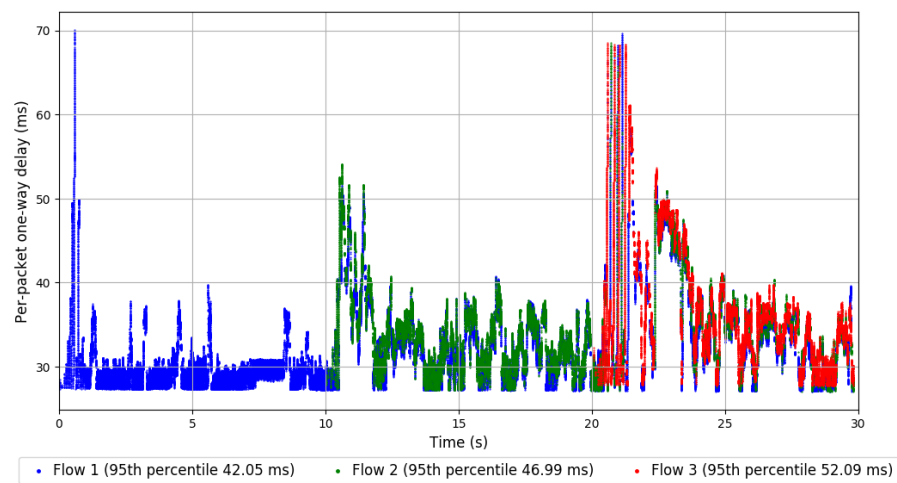
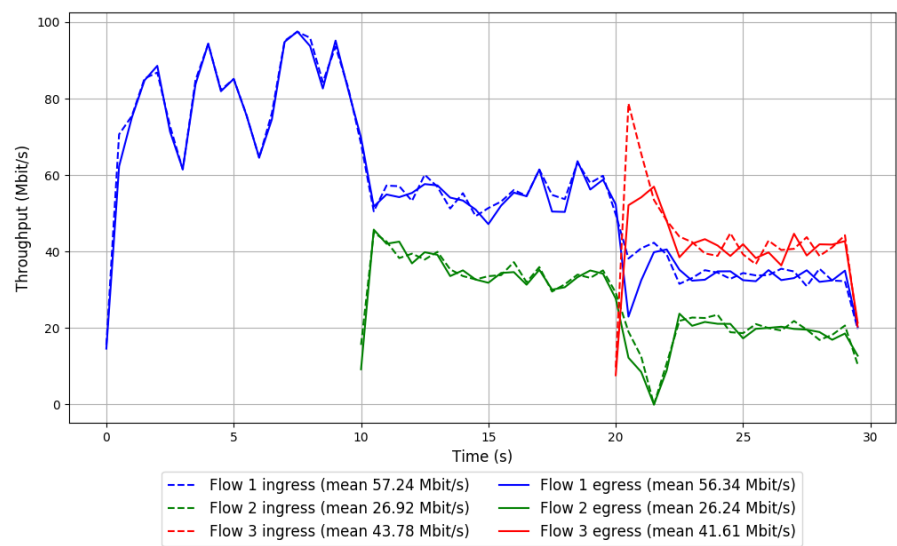


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-03 22:18:09
End at: 2018-04-03 22:18:39
Local clock offset: 0.947 ms
Remote clock offset: -9.819 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 46.450 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 42.051 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 26.24 Mbit/s
95th percentile per-packet one-way delay: 46.994 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 41.61 Mbit/s
95th percentile per-packet one-way delay: 52.093 ms
Loss rate: 4.97%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-03 22:51:21

End at: 2018-04-03 22:51:51

Local clock offset: 1.321 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 39.480 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 38.957 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 40.983 ms

Loss rate: 1.04%

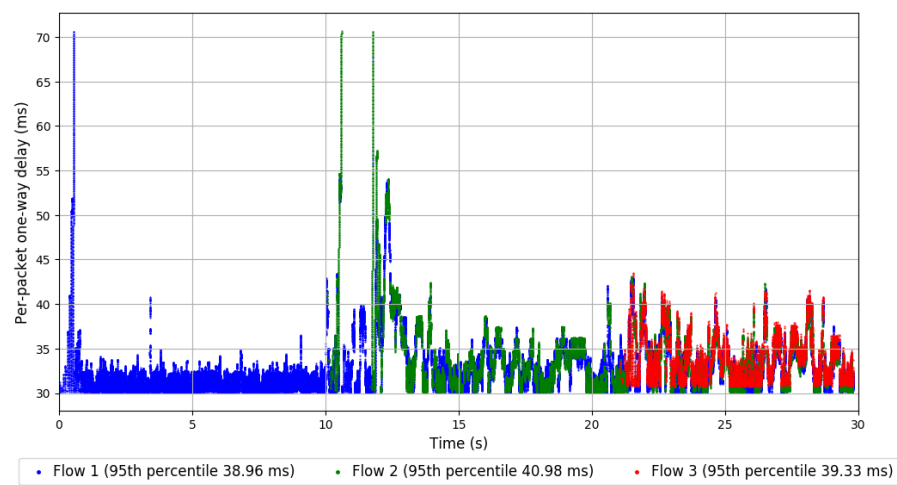
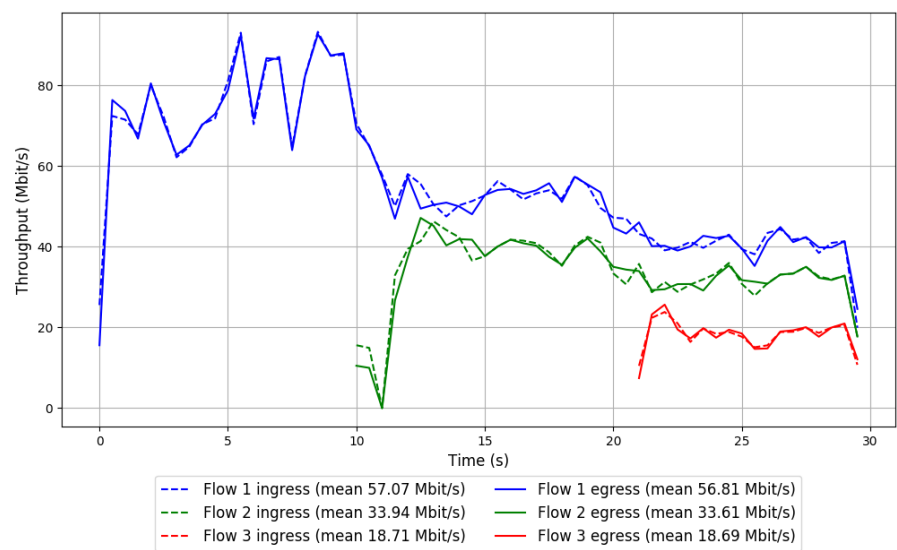
-- Flow 3:

Average throughput: 18.69 Mbit/s

95th percentile per-packet one-way delay: 39.331 ms

Loss rate: 0.10%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-03 23:24:24

End at: 2018-04-03 23:24:54

Local clock offset: 1.142 ms

Remote clock offset: 0.811 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 41.798 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 39.989 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 42.688 ms

Loss rate: 1.10%

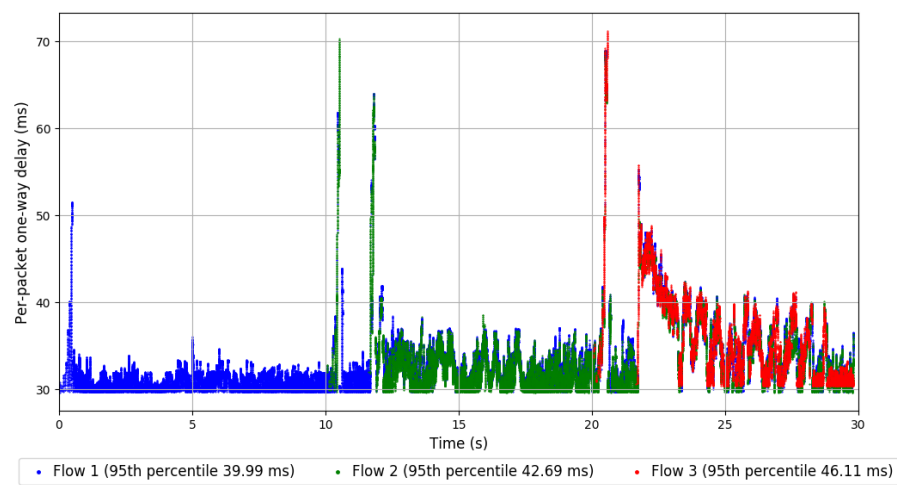
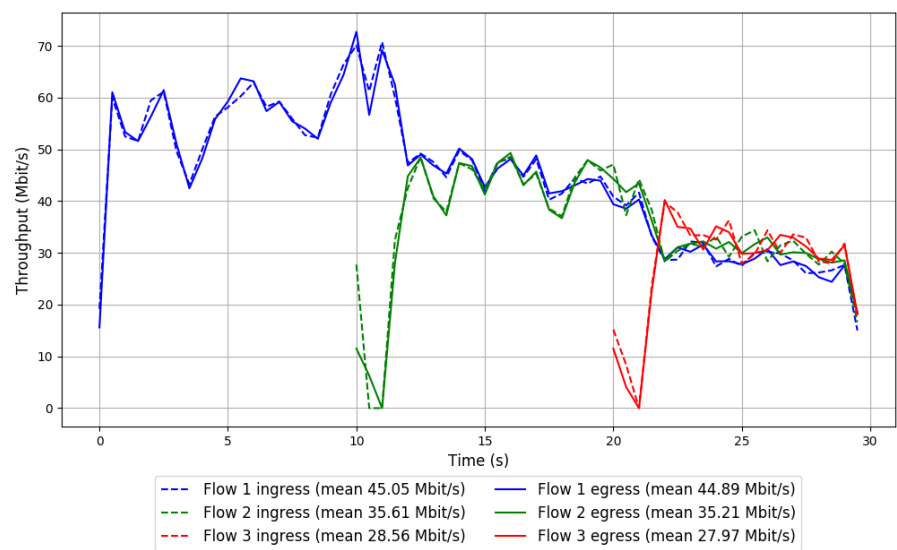
-- Flow 3:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 46.110 ms

Loss rate: 2.10%

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

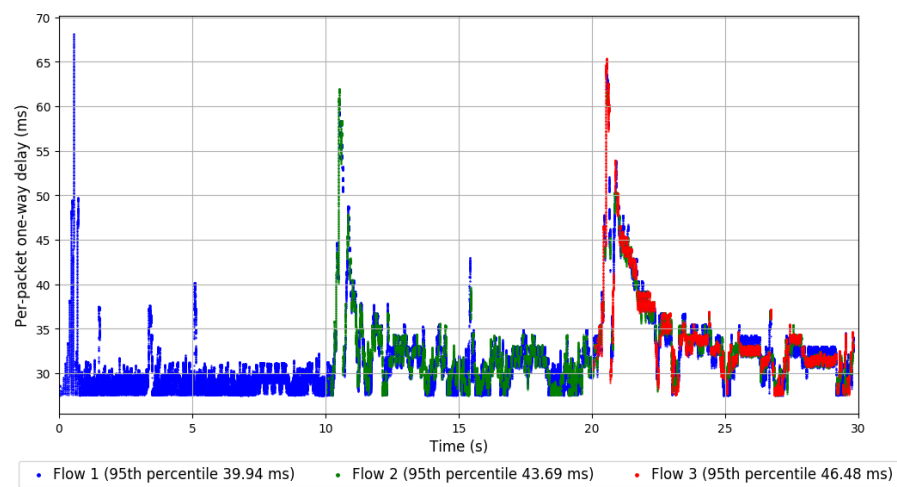
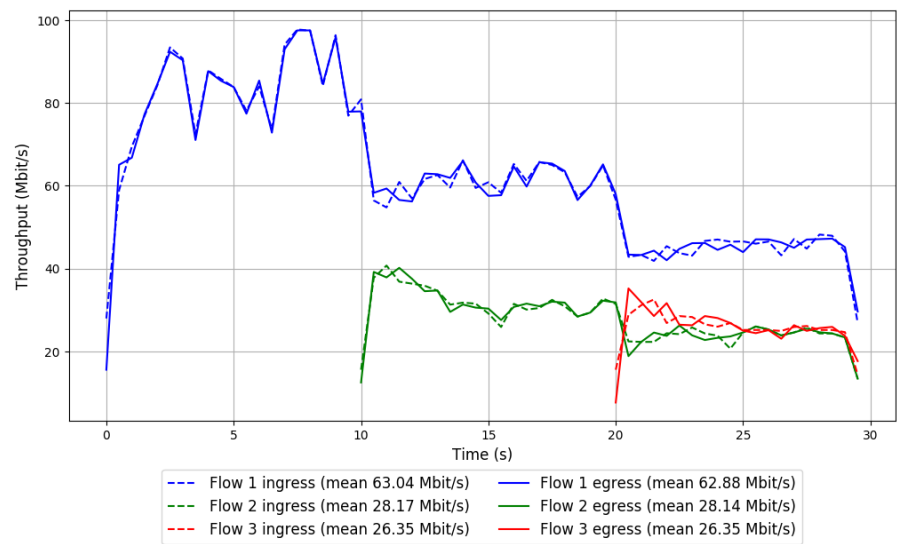


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-03 23:56:46
End at: 2018-04-03 23:57:16
Local clock offset: 0.705 ms
Remote clock offset: -5.496 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 42.562 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.88 Mbit/s
95th percentile per-packet one-way delay: 39.940 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 43.685 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 46.484 ms
Loss rate: 0.00%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-04 00:28:21

End at: 2018-04-04 00:28:51

Local clock offset: 0.296 ms

Remote clock offset: 0.71 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.55 Mbit/s

95th percentile per-packet one-way delay: 39.184 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 38.999 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 35.43 Mbit/s

95th percentile per-packet one-way delay: 38.873 ms

Loss rate: 1.30%

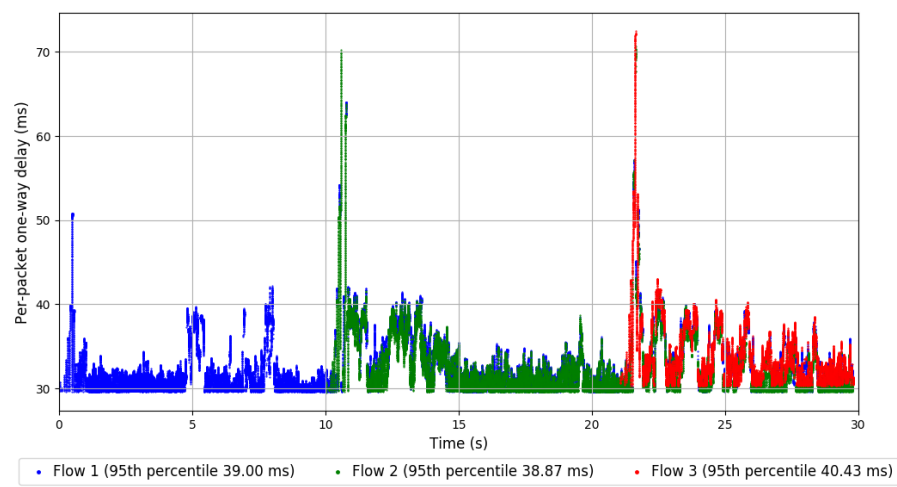
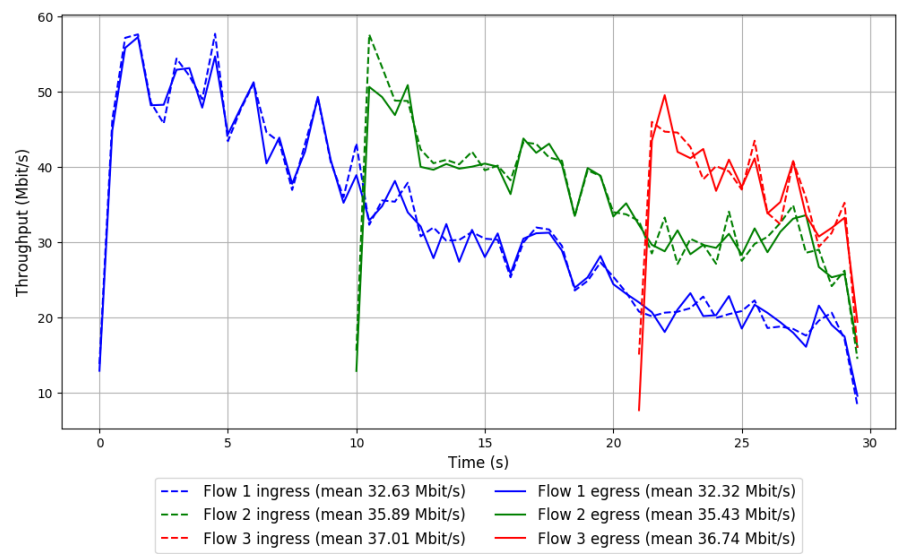
-- Flow 3:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 40.431 ms

Loss rate: 0.74%

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

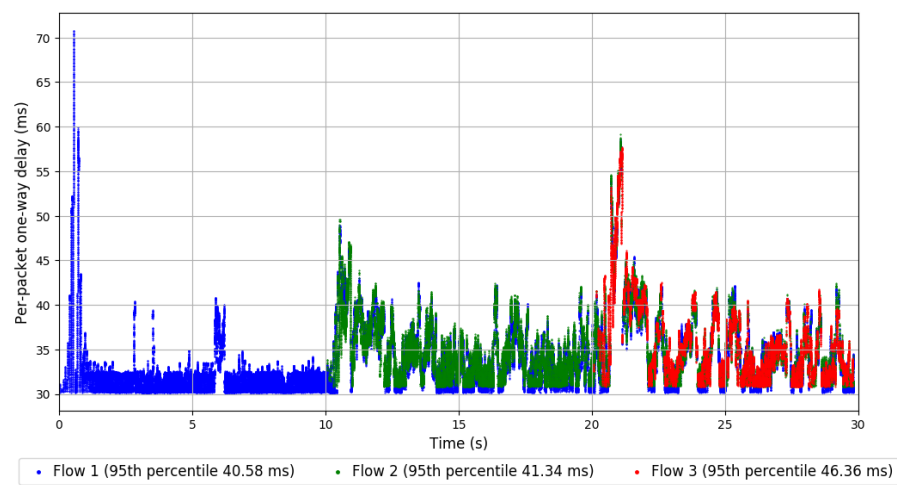
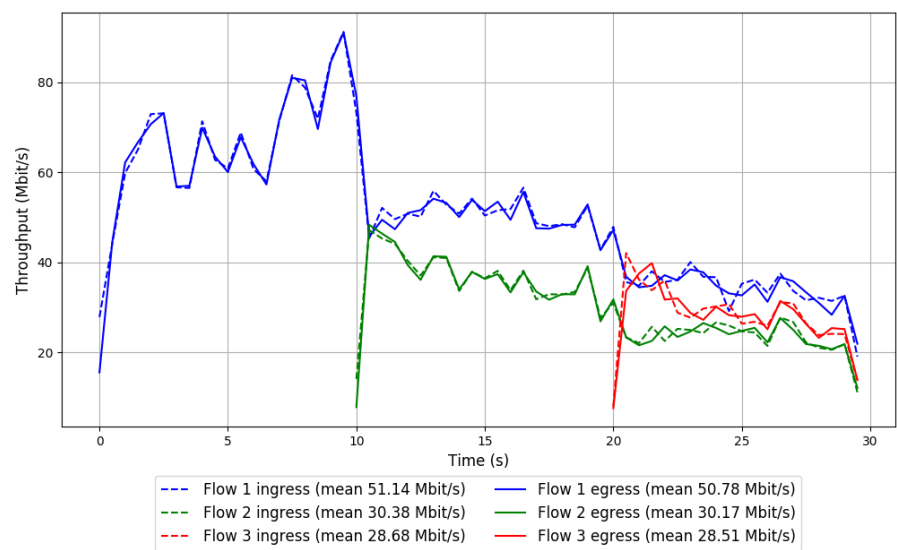


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-04 01:00:32
End at: 2018-04-04 01:01:02
Local clock offset: 0.499 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 41.399 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 40.579 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 41.344 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 46.360 ms
Loss rate: 0.60%

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

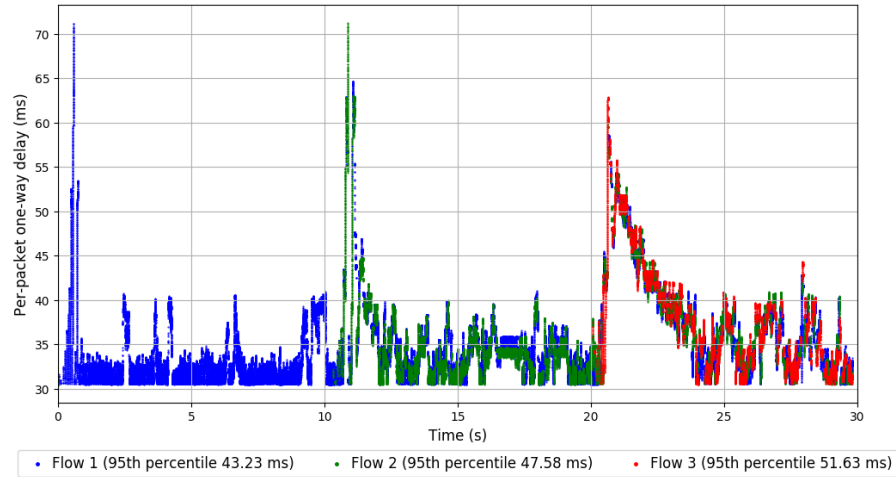
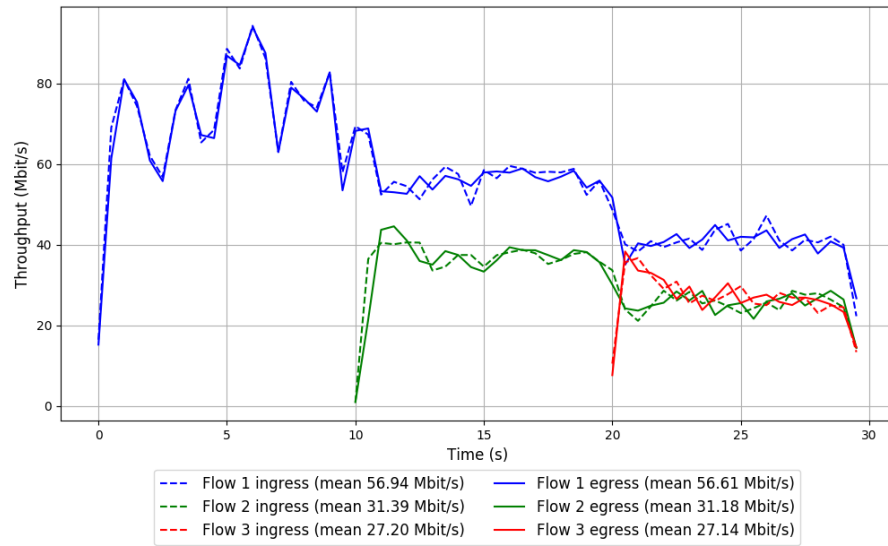


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-04 01:30:55
End at: 2018-04-04 01:31:25
Local clock offset: 0.337 ms
Remote clock offset: -2.188 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.84 Mbit/s
95th percentile per-packet one-way delay: 46.720 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 43.232 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 47.581 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 51.635 ms
Loss rate: 0.25%

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

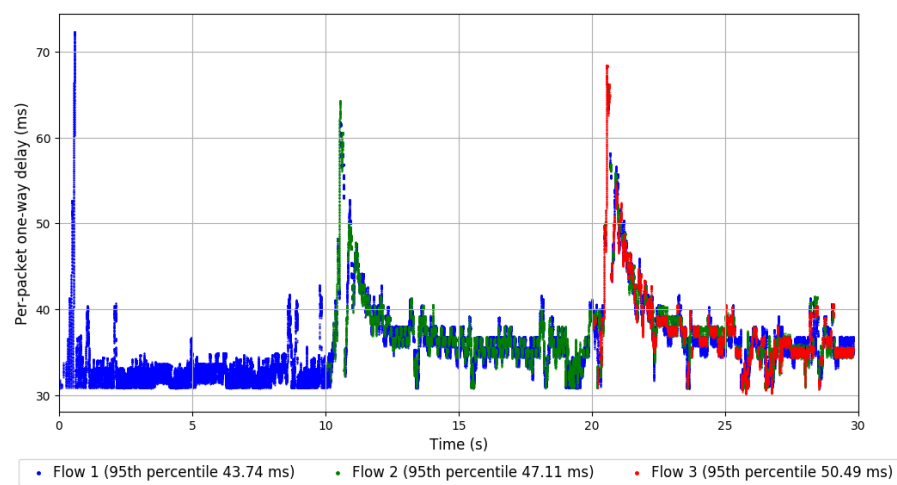
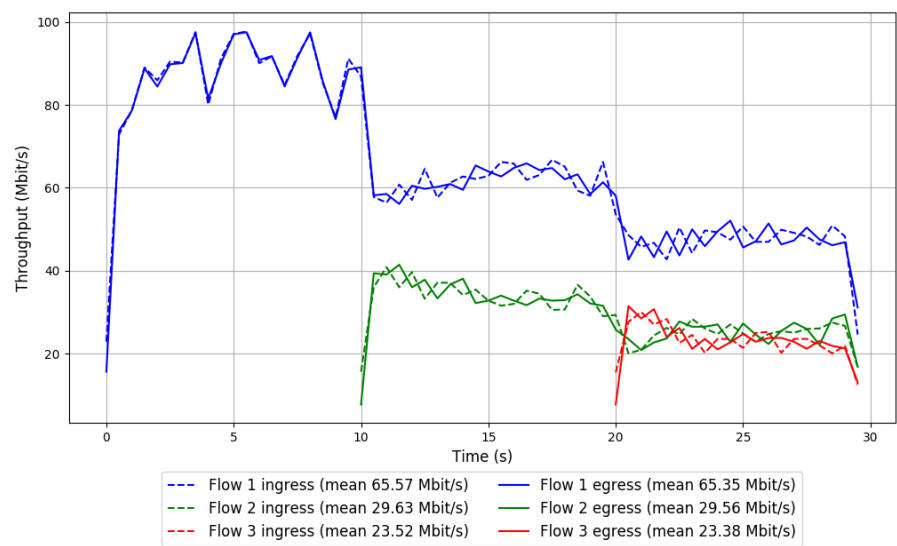


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-04 02:00:22
End at: 2018-04-04 02:00:52
Local clock offset: 0.04 ms
Remote clock offset: -1.022 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 45.167 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 43.742 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 47.108 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 50.494 ms
Loss rate: 0.60%

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

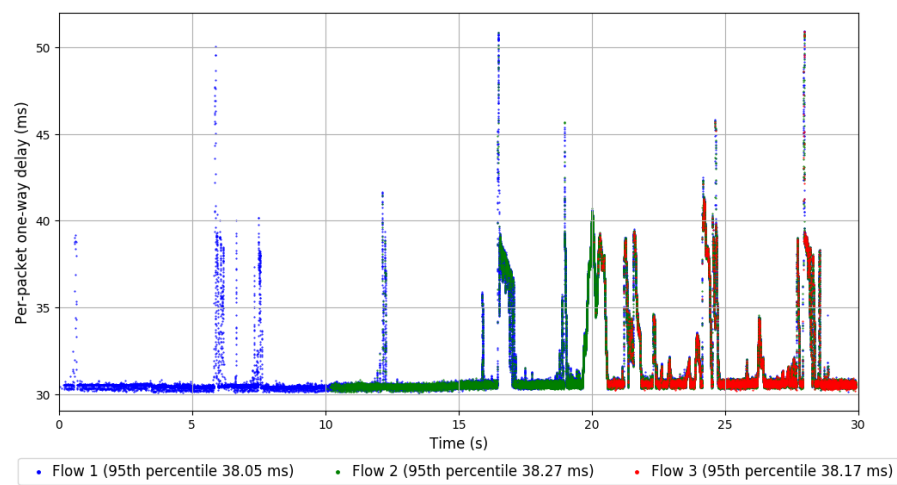
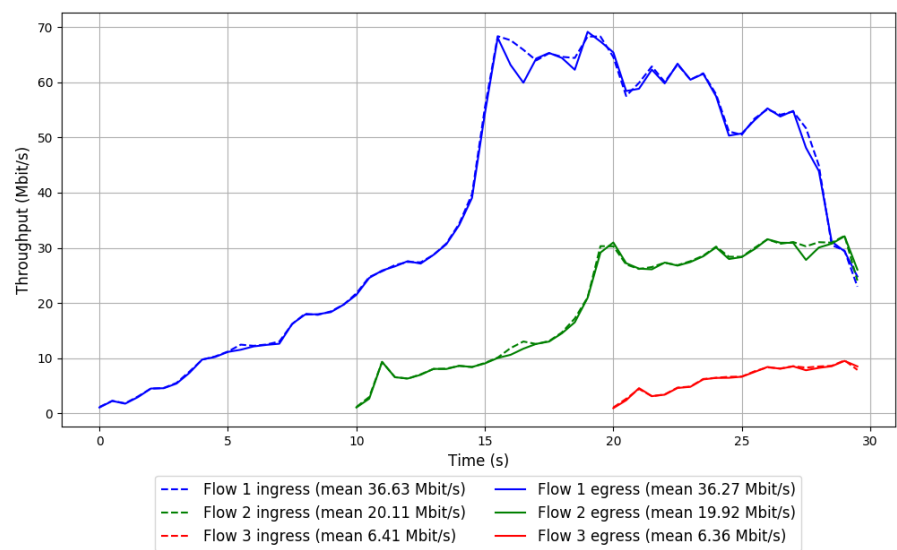


Run 1: Statistics of Vivace-latency

Start at: 2018-04-03 21:27:22
End at: 2018-04-03 21:27:52
Local clock offset: 0.863 ms
Remote clock offset: -2.023 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.61 Mbit/s
95th percentile per-packet one-way delay: 38.117 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 38.048 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 38.271 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 38.169 ms
Loss rate: 0.86%

Run 1: Report of Vivace-latency — Data Link

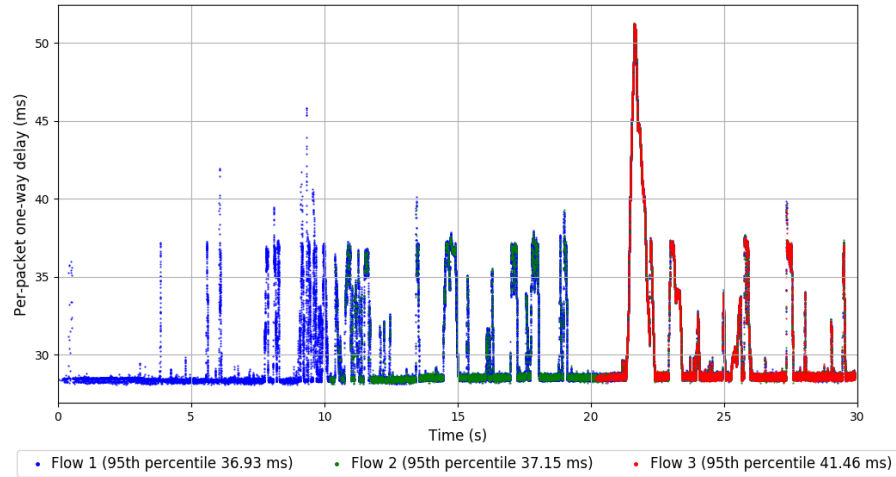
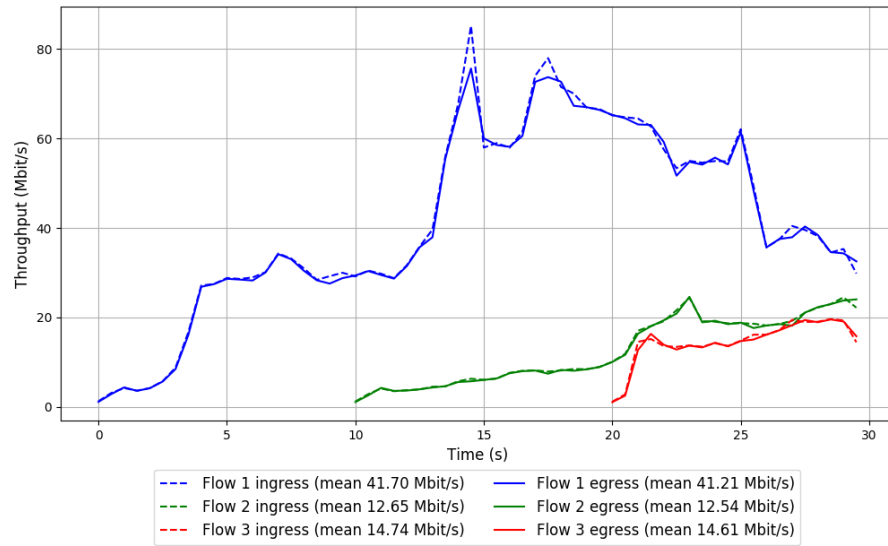


Run 2: Statistics of Vivace-latency

Start at: 2018-04-03 21:56:57
End at: 2018-04-03 21:57:27
Local clock offset: 0.899 ms
Remote clock offset: -7.619 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 37.007 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 36.929 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 37.150 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 41.456 ms
Loss rate: 0.88%

Run 2: Report of Vivace-latency — Data Link

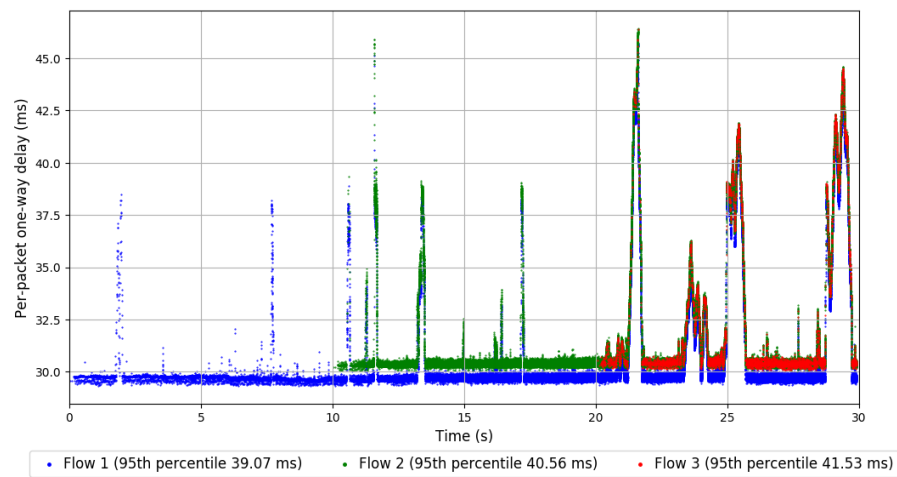
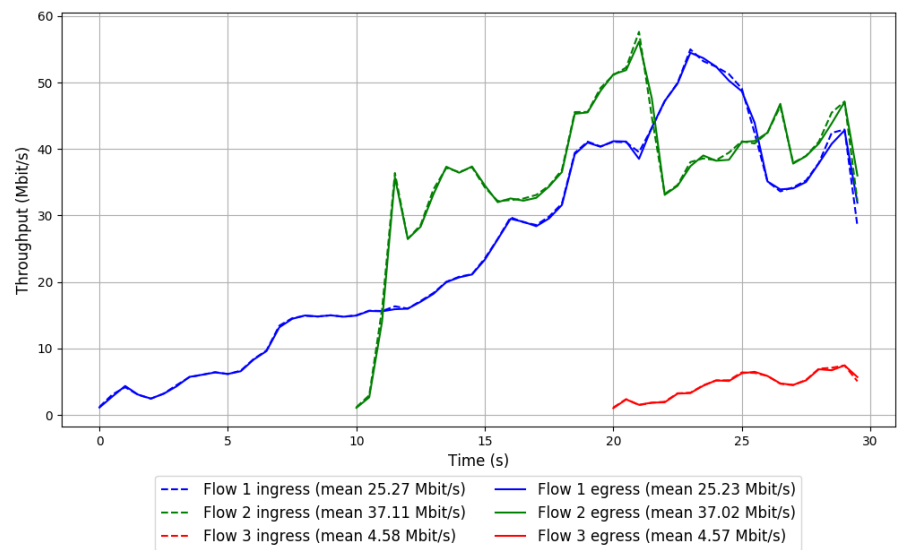


Run 3: Statistics of Vivace-latency

Start at: 2018-04-03 22:27:50
End at: 2018-04-03 22:28:20
Local clock offset: 1.154 ms
Remote clock offset: -3.193 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 39.994 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 39.074 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 40.561 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 41.527 ms
Loss rate: 0.26%

Run 3: Report of Vivace-latency — Data Link

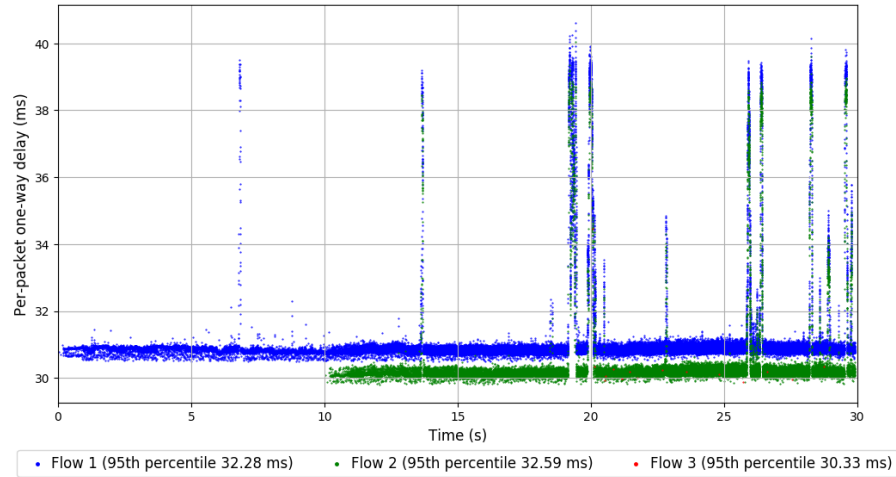
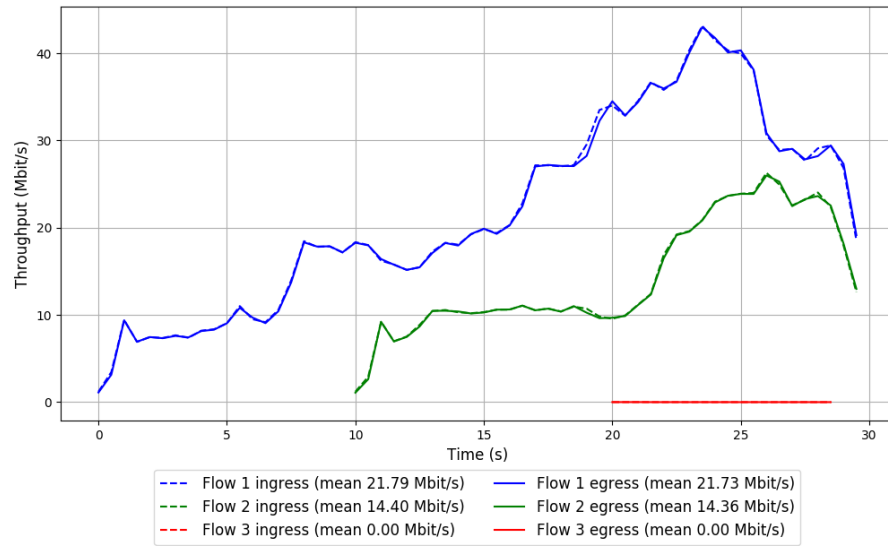


Run 4: Statistics of Vivace-latency

Start at: 2018-04-03 23:00:52
End at: 2018-04-03 23:01:22
Local clock offset: 1.276 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 32.394 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 32.282 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 32.587 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.333 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

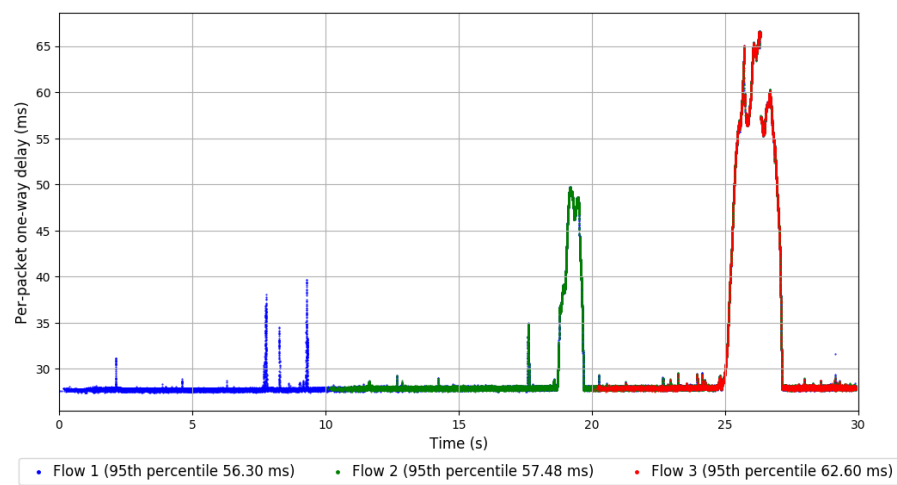
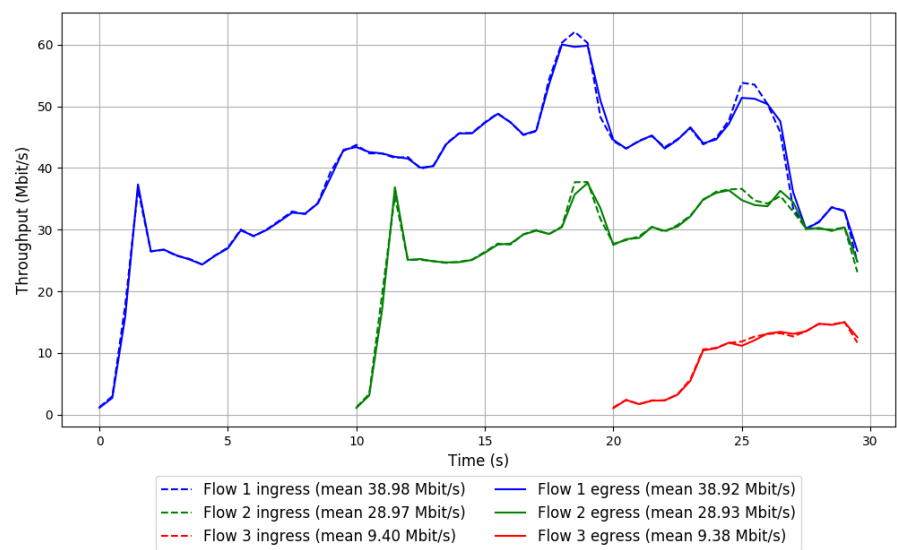


Run 5: Statistics of Vivace-latency

Start at: 2018-04-03 23:33:47
End at: 2018-04-03 23:34:17
Local clock offset: 1.071 ms
Remote clock offset: -4.252 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 56.989 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 56.298 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 57.485 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 0.24%

Run 5: Report of Vivace-latency — Data Link

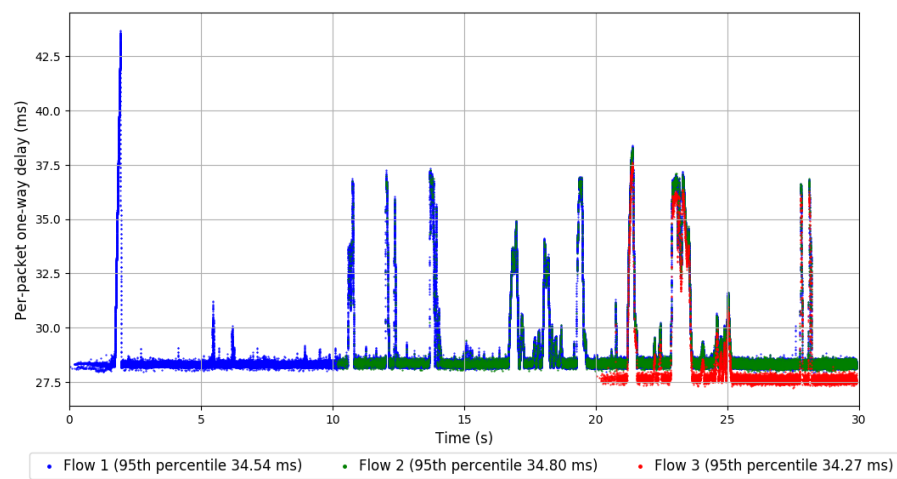
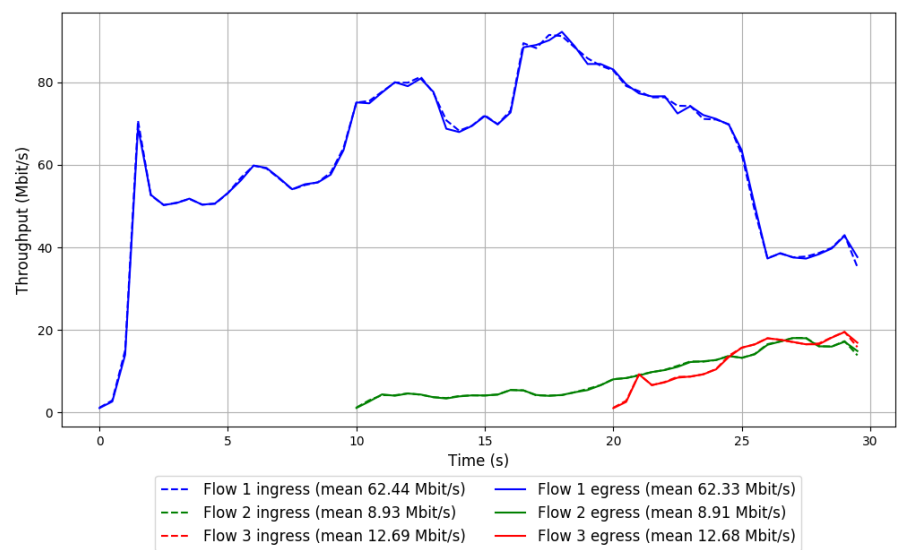


Run 6: Statistics of Vivace-latency

Start at: 2018-04-04 00:06:08
End at: 2018-04-04 00:06:38
Local clock offset: 0.646 ms
Remote clock offset: -3.935 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 34.557 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 34.544 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 34.803 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 34.275 ms
Loss rate: 0.11%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-04-04 00:38:15

End at: 2018-04-04 00:38:45

Local clock offset: 0.318 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 31.175 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 19.31 Mbit/s

95th percentile per-packet one-way delay: 31.168 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 31.199 ms

Loss rate: 0.01%

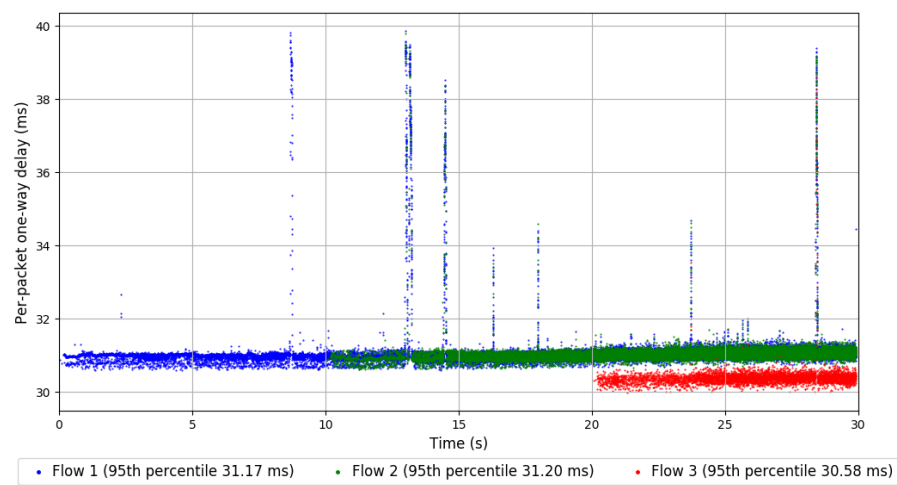
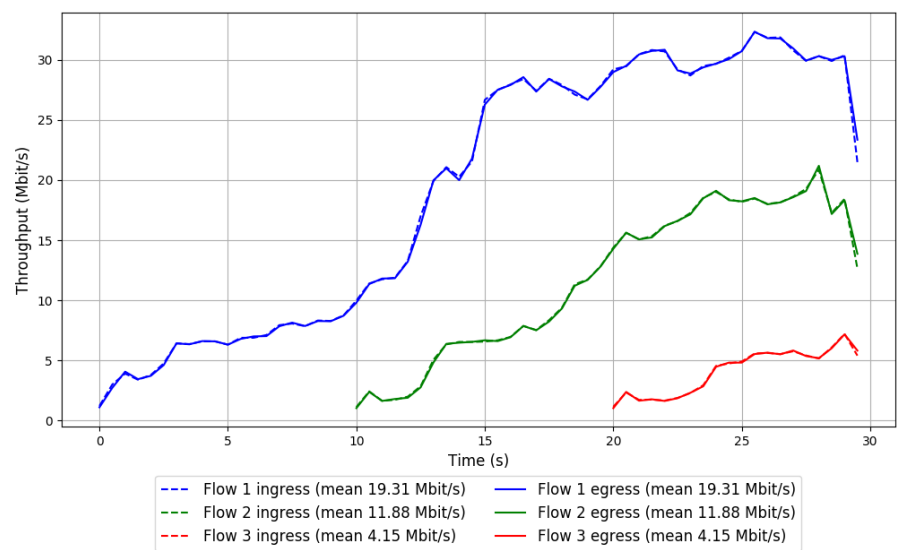
-- Flow 3:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 30.578 ms

Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

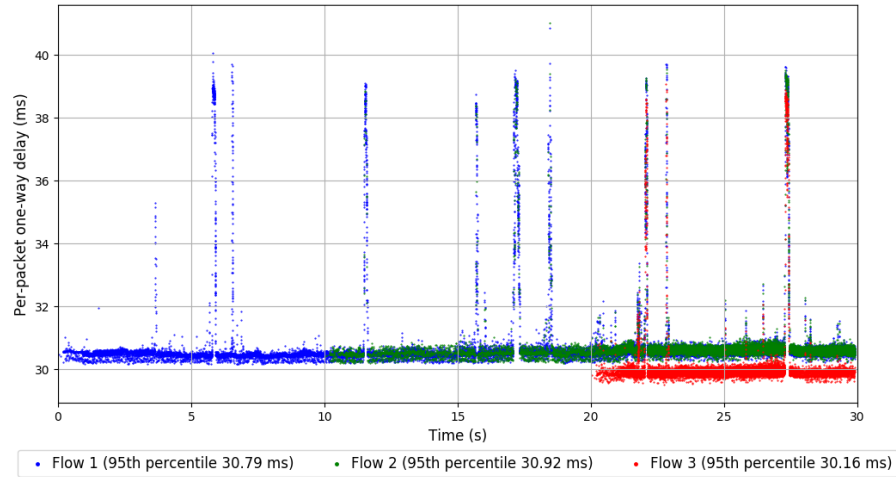
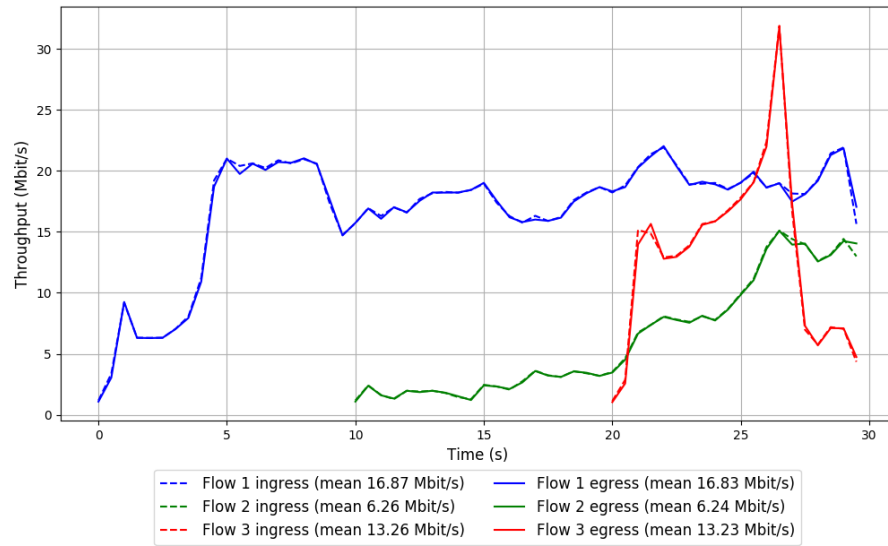


Run 8: Statistics of Vivace-latency

Start at: 2018-04-04 01:09:51
End at: 2018-04-04 01:10:21
Local clock offset: 0.592 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 30.797 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 30.785 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 30.919 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 30.159 ms
Loss rate: 0.26%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-04-04 01:40:01

End at: 2018-04-04 01:40:31

Local clock offset: 0.363 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 47.671 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 46.20 Mbit/s

95th percentile per-packet one-way delay: 47.538 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 19.96 Mbit/s

95th percentile per-packet one-way delay: 47.006 ms

Loss rate: 0.36%

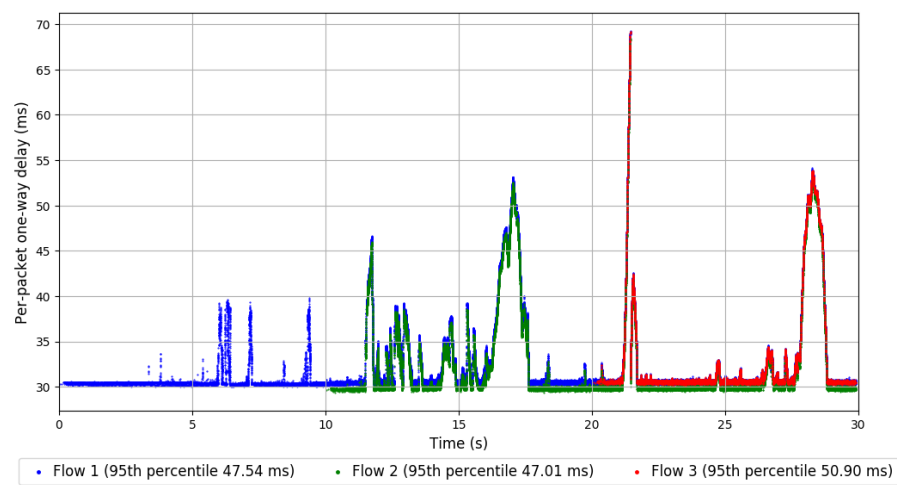
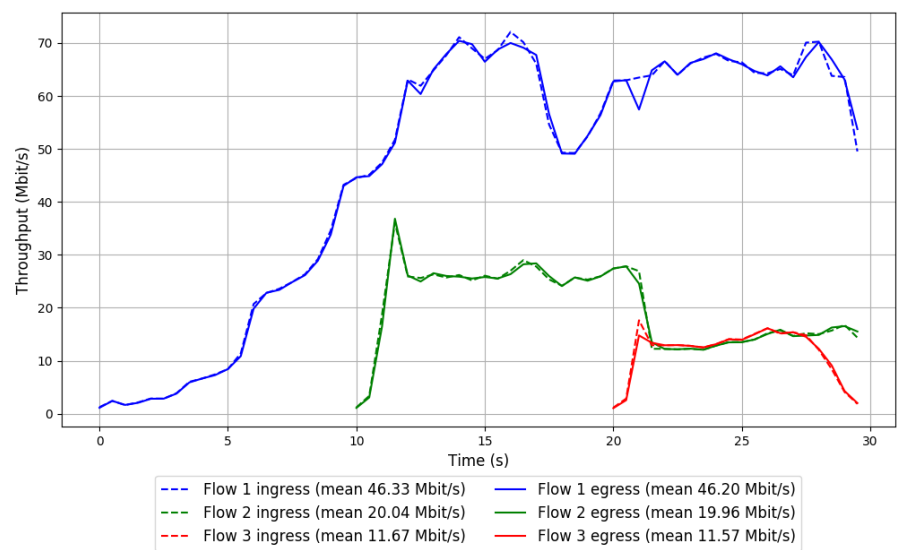
-- Flow 3:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 50.896 ms

Loss rate: 0.87%

Run 9: Report of Vivace-latency — Data Link

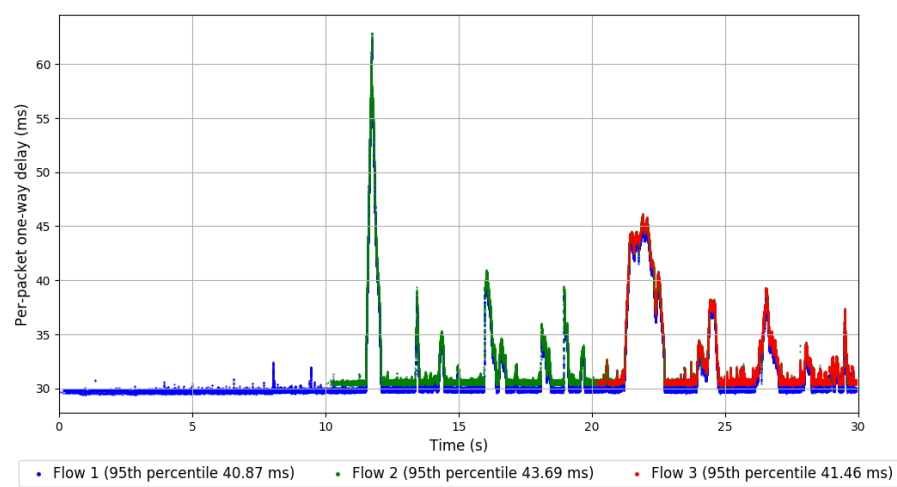
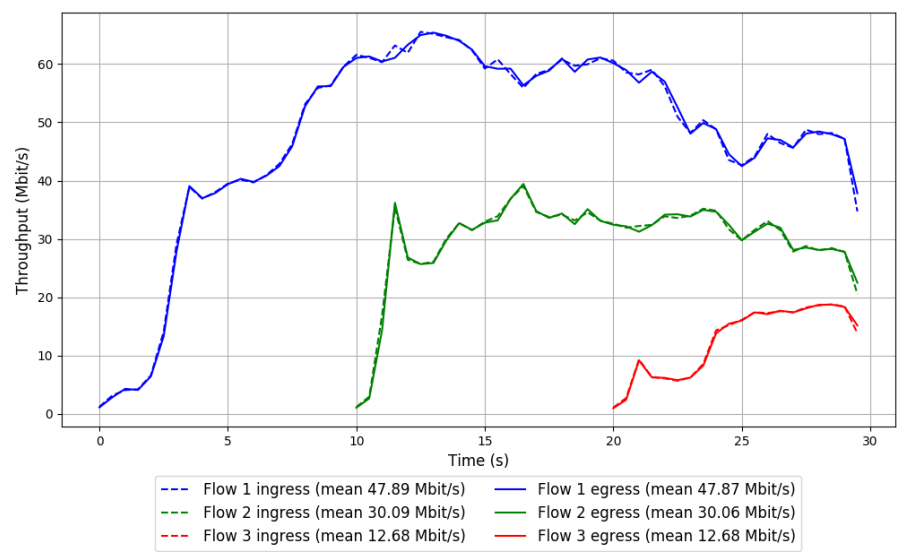


Run 10: Statistics of Vivace-latency

Start at: 2018-04-04 02:08:45
End at: 2018-04-04 02:09:15
Local clock offset: -0.062 ms
Remote clock offset: -1.204 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.02 Mbit/s
95th percentile per-packet one-way delay: 42.081 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 47.87 Mbit/s
95th percentile per-packet one-way delay: 40.873 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 43.692 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 41.460 ms
Loss rate: 0.04%

Run 10: Report of Vivace-latency — Data Link

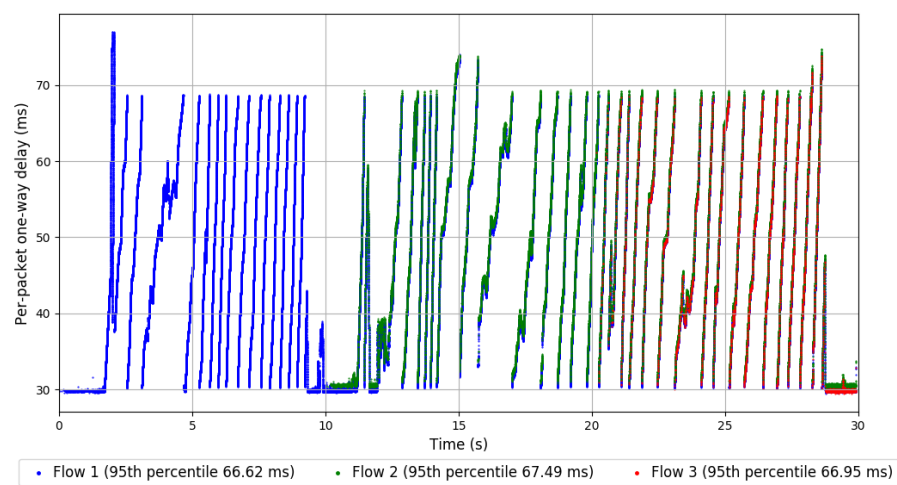
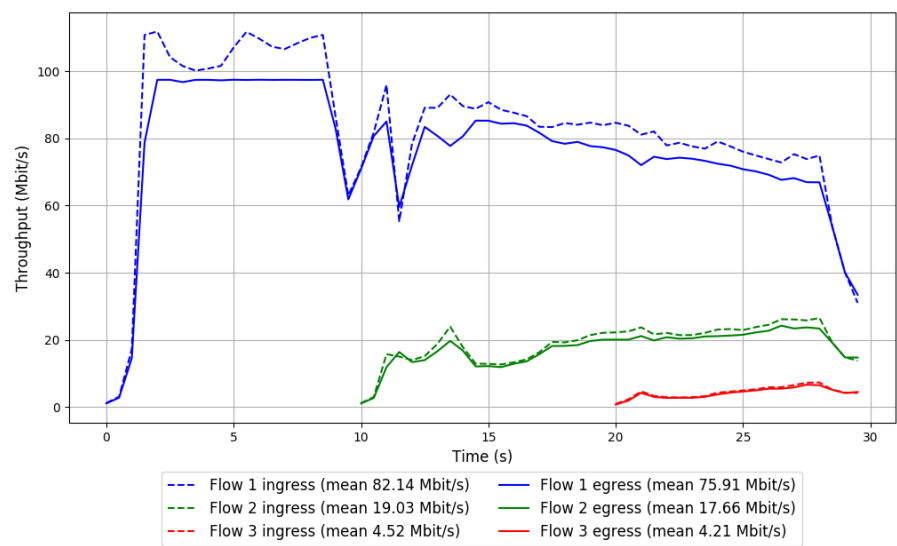


Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 21:17:04
End at: 2018-04-03 21:17:34
Local clock offset: 0.773 ms
Remote clock offset: -1.981 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 66.752 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 75.91 Mbit/s
95th percentile per-packet one-way delay: 66.623 ms
Loss rate: 7.58%
-- Flow 2:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 67.489 ms
Loss rate: 7.22%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 66.947 ms
Loss rate: 7.19%

Run 1: Report of Vivace-loss — Data Link

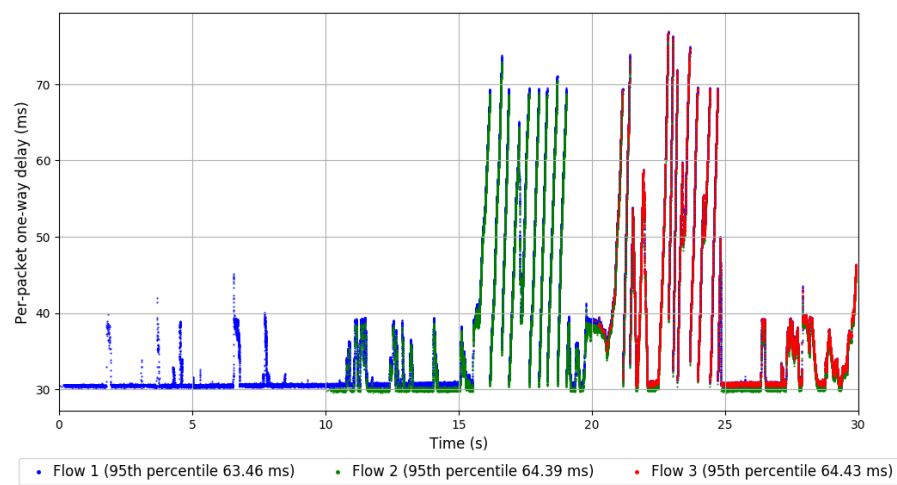
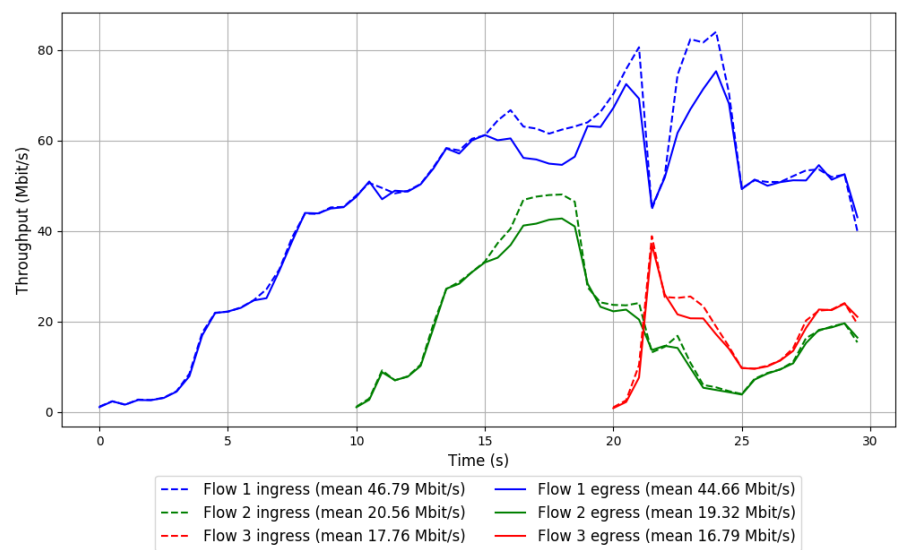


Run 2: Statistics of Vivace-loss

Start at: 2018-04-03 21:46:59
End at: 2018-04-03 21:47:29
Local clock offset: 0.948 ms
Remote clock offset: -3.619 ms

Below is generated by plot.py at 2018-04-04 03:20:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 63.800 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 19.32 Mbit/s
95th percentile per-packet one-way delay: 64.390 ms
Loss rate: 5.98%
-- Flow 3:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 64.427 ms
Loss rate: 5.39%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 22:16:18

End at: 2018-04-03 22:16:48

Local clock offset: 0.863 ms

Remote clock offset: -7.73 ms

Below is generated by plot.py at 2018-04-04 03:20:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.39 Mbit/s

95th percentile per-packet one-way delay: 65.679 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 44.15 Mbit/s

95th percentile per-packet one-way delay: 65.239 ms

Loss rate: 4.29%

-- Flow 2:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 66.351 ms

Loss rate: 4.90%

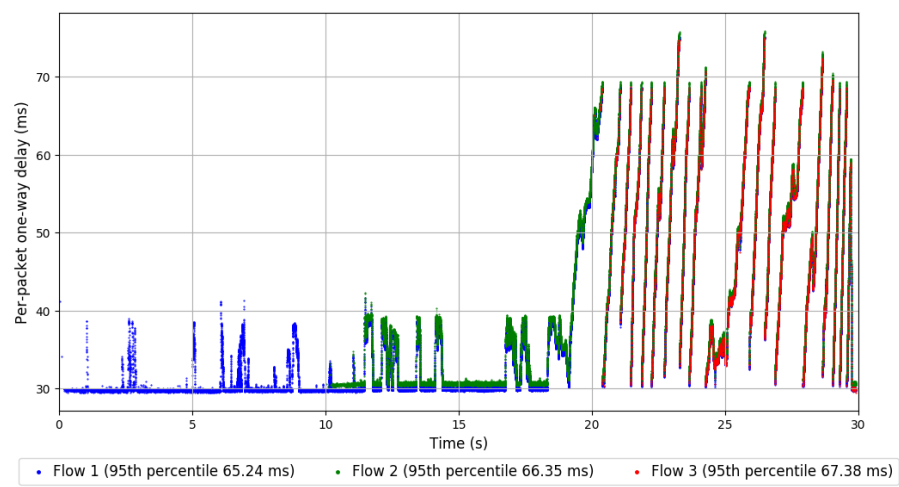
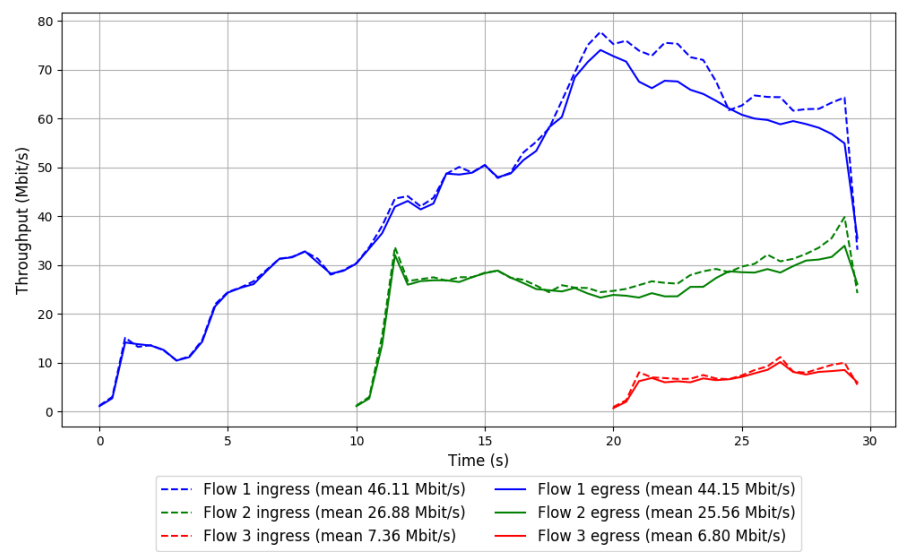
-- Flow 3:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 67.378 ms

Loss rate: 8.02%

Run 3: Report of Vivace-loss — Data Link

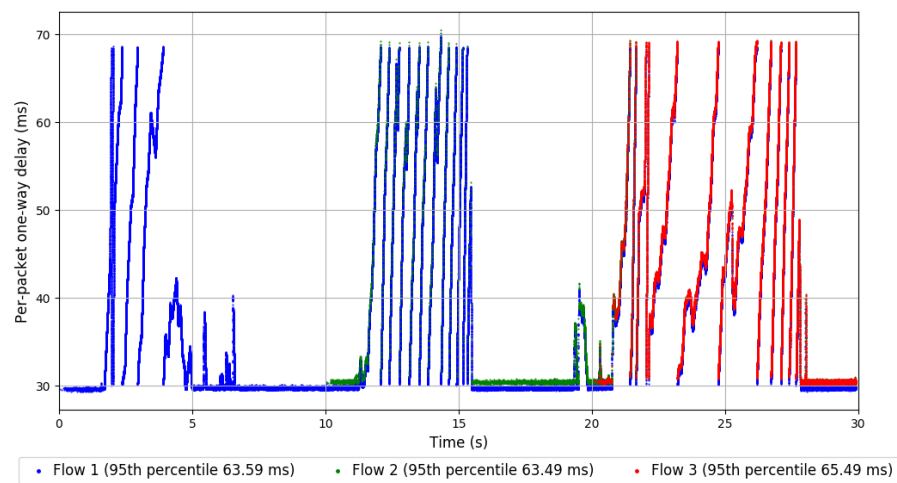
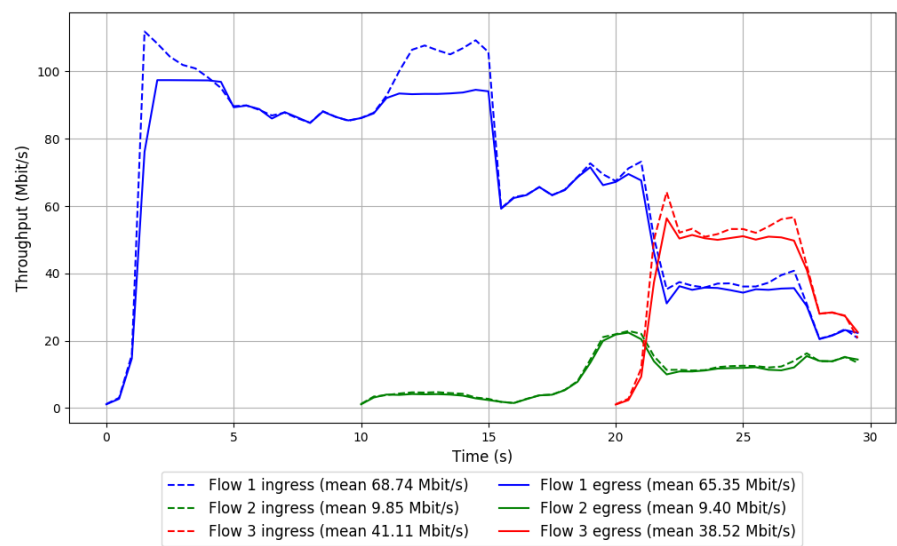


Run 4: Statistics of Vivace-loss

Start at: 2018-04-03 22:49:13
End at: 2018-04-03 22:49:43
Local clock offset: 1.329 ms
Remote clock offset: -0.645 ms

Below is generated by plot.py at 2018-04-04 03:20:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 63.915 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 63.586 ms
Loss rate: 4.93%
-- Flow 2:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 63.487 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 38.52 Mbit/s
95th percentile per-packet one-way delay: 65.487 ms
Loss rate: 6.29%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-04-03 23:22:24

End at: 2018-04-03 23:22:54

Local clock offset: 1.153 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at 2018-04-04 03:20:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.24 Mbit/s

95th percentile per-packet one-way delay: 62.777 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 62.342 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 11.66 Mbit/s

95th percentile per-packet one-way delay: 63.555 ms

Loss rate: 2.17%

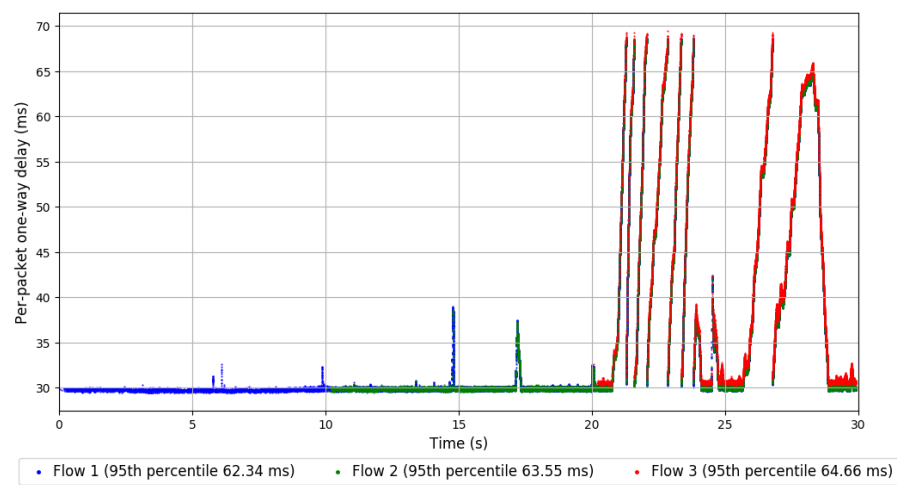
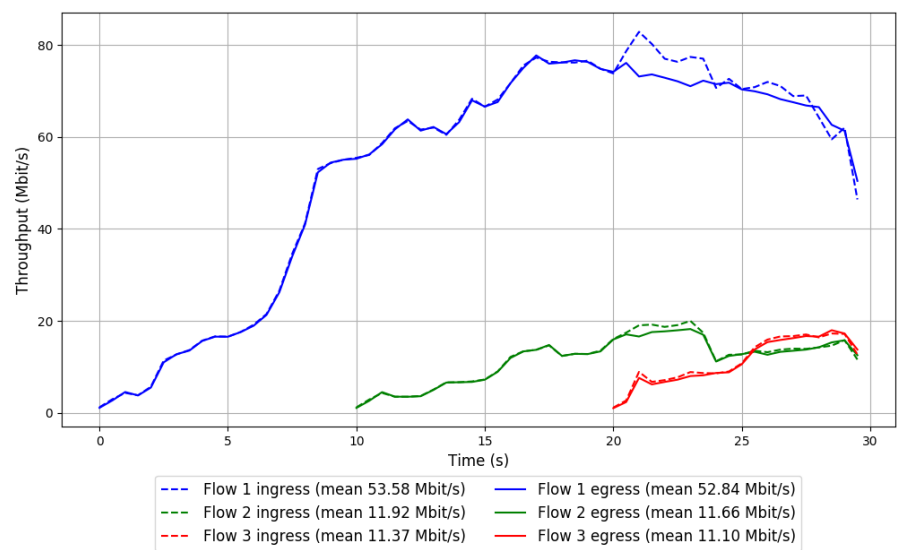
-- Flow 3:

Average throughput: 11.10 Mbit/s

95th percentile per-packet one-way delay: 64.656 ms

Loss rate: 2.42%

Run 5: Report of Vivace-loss — Data Link

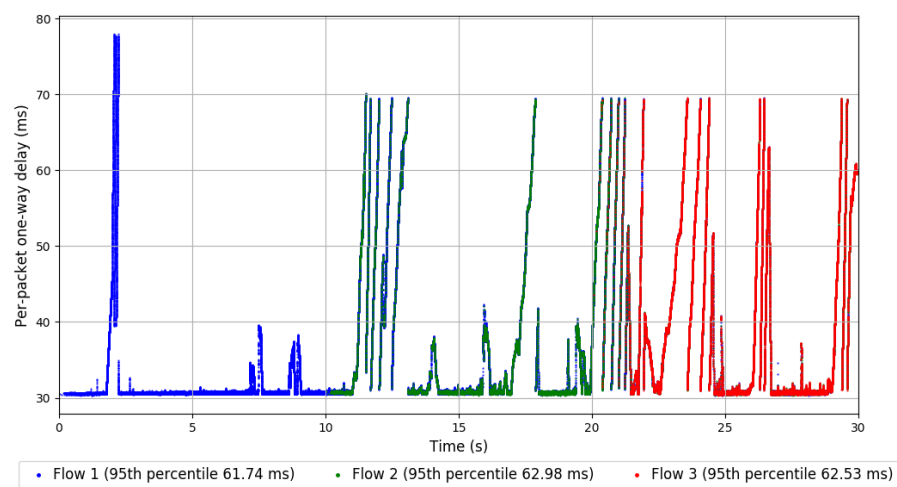
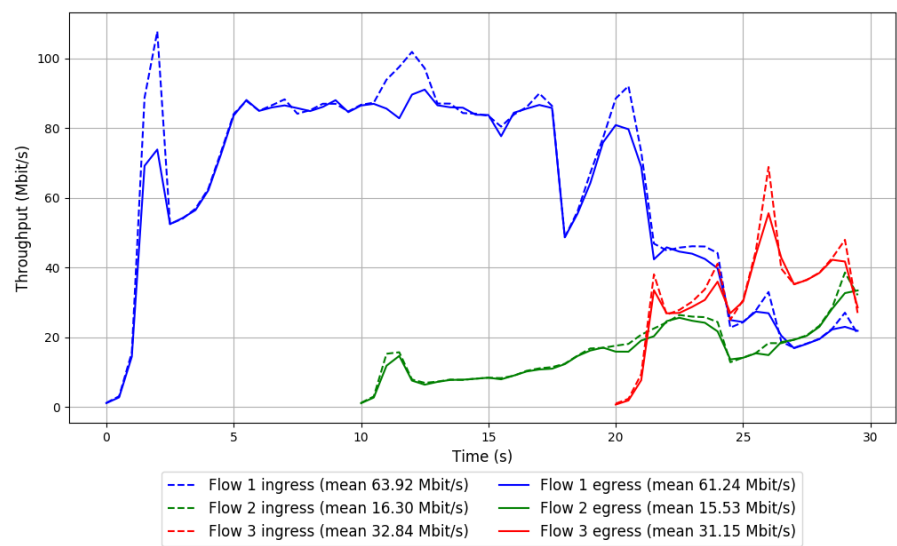


Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 23:54:54
End at: 2018-04-03 23:55:24
Local clock offset: 0.712 ms
Remote clock offset: -3.334 ms

Below is generated by plot.py at 2018-04-04 03:21:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 62.085 ms
Loss rate: 4.26%
-- Flow 1:
Average throughput: 61.24 Mbit/s
95th percentile per-packet one-way delay: 61.736 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 62.975 ms
Loss rate: 4.54%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 62.527 ms
Loss rate: 4.98%

Run 6: Report of Vivace-loss — Data Link

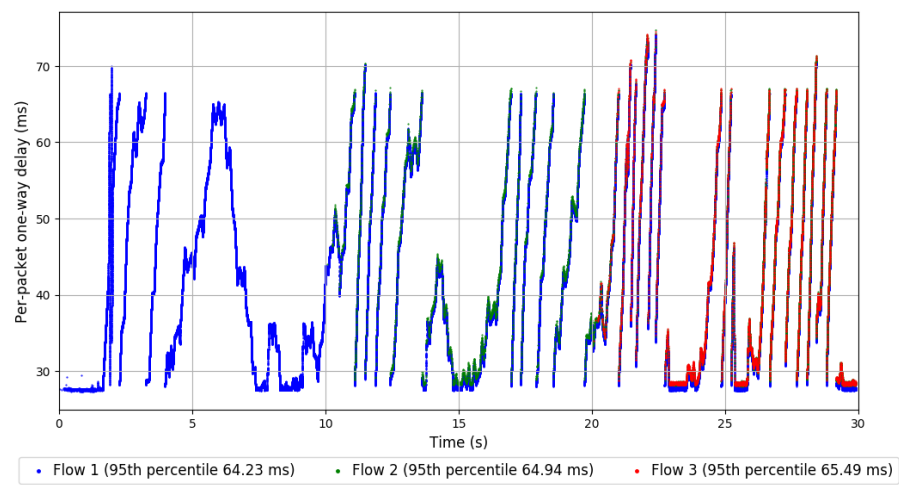
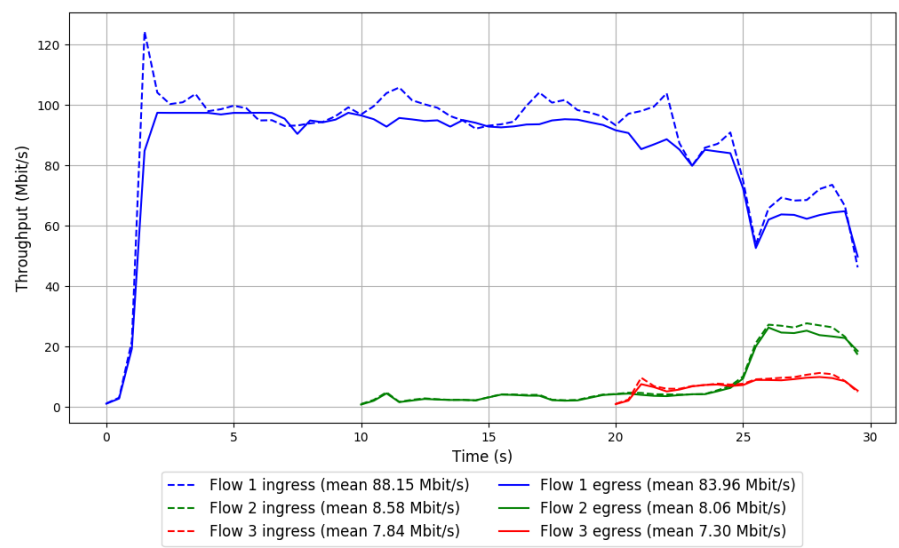


Run 7: Statistics of Vivace-loss

Start at: 2018-04-04 00:26:12
End at: 2018-04-04 00:26:42
Local clock offset: 0.307 ms
Remote clock offset: -1.603 ms

Below is generated by plot.py at 2018-04-04 03:21:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 64.301 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 83.96 Mbit/s
95th percentile per-packet one-way delay: 64.235 ms
Loss rate: 4.75%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 64.937 ms
Loss rate: 6.18%
-- Flow 3:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 65.486 ms
Loss rate: 6.93%

Run 7: Report of Vivace-loss — Data Link

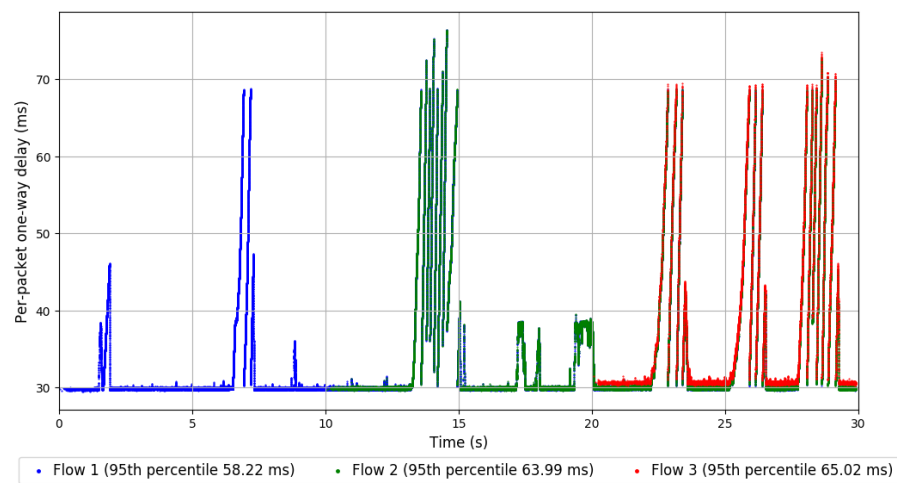
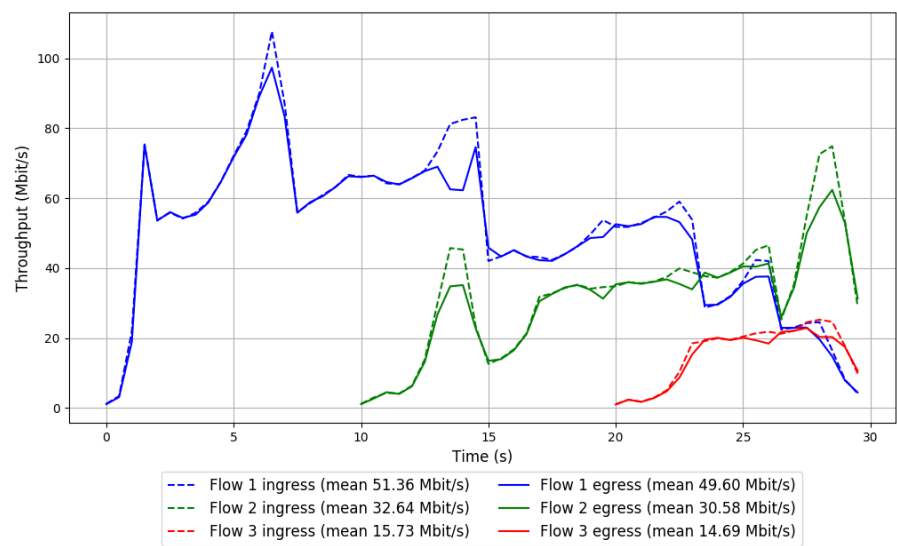


Run 8: Statistics of Vivace-loss

Start at: 2018-04-04 00:58:39
End at: 2018-04-04 00:59:09
Local clock offset: 0.477 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2018-04-04 03:21:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 61.207 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 49.60 Mbit/s
95th percentile per-packet one-way delay: 58.223 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 63.989 ms
Loss rate: 6.31%
-- Flow 3:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 65.023 ms
Loss rate: 6.66%

Run 8: Report of Vivace-loss — Data Link

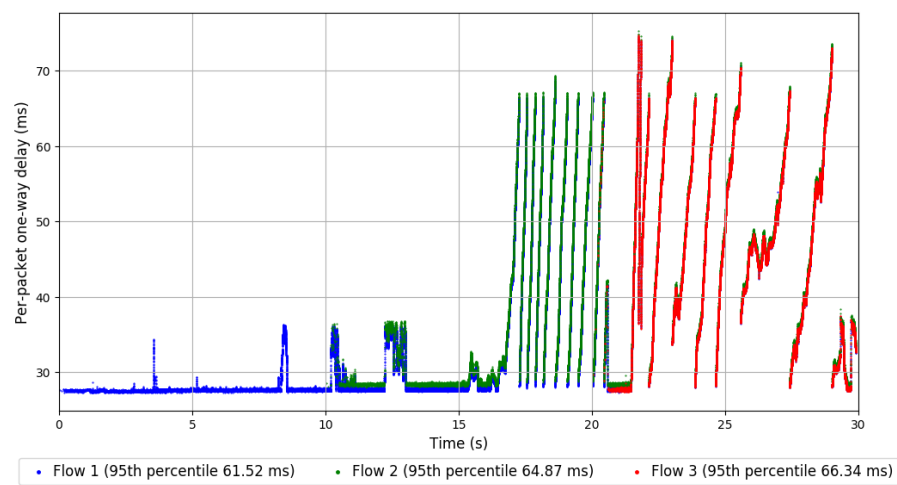
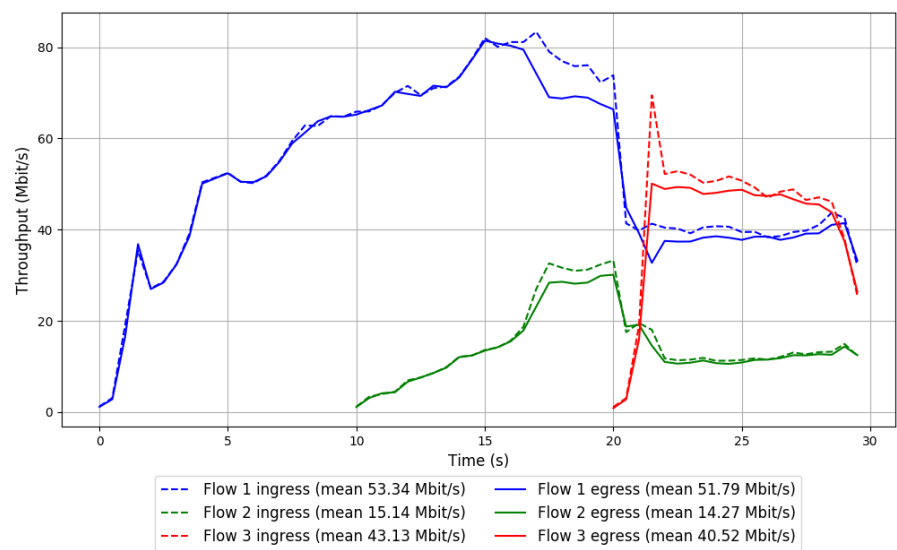


Run 9: Statistics of Vivace-loss

Start at: 2018-04-04 01:29:03
End at: 2018-04-04 01:29:33
Local clock offset: 0.432 ms
Remote clock offset: -4.409 ms

Below is generated by plot.py at 2018-04-04 03:21:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 63.697 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 61.518 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 64.868 ms
Loss rate: 5.73%
-- Flow 3:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 66.338 ms
Loss rate: 6.01%

Run 9: Report of Vivace-loss — Data Link

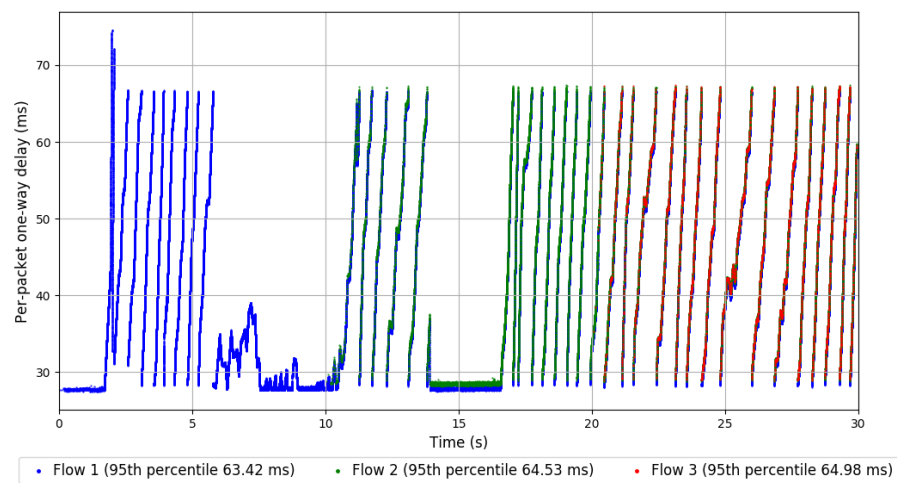
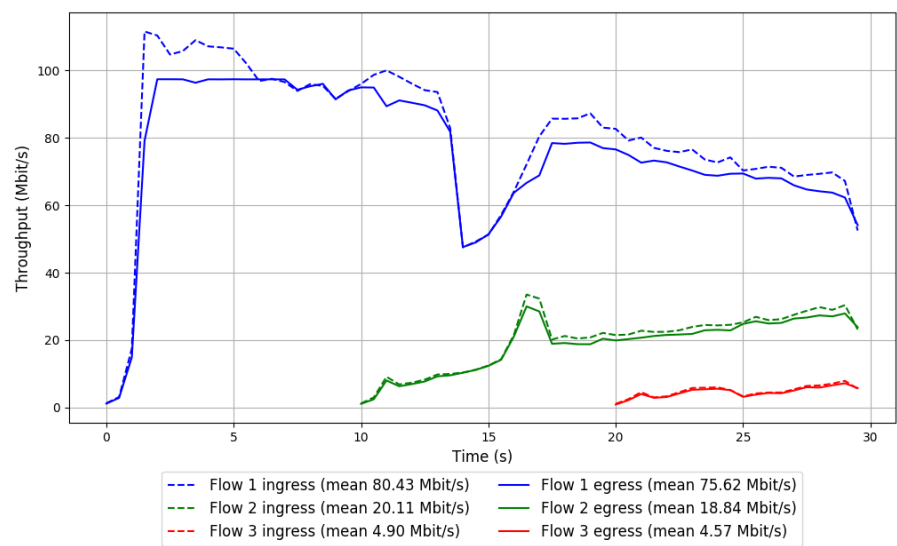


Run 10: Statistics of Vivace-loss

Start at: 2018-04-04 01:58:43
End at: 2018-04-04 01:59:13
Local clock offset: 0.145 ms
Remote clock offset: -3.546 ms

Below is generated by plot.py at 2018-04-04 03:22:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 63.631 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 75.62 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 5.88%
-- Flow 2:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 64.535 ms
Loss rate: 6.19%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 64.984 ms
Loss rate: 6.60%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-04-03 21:13:55

End at: 2018-04-03 21:14:25

Local clock offset: 0.747 ms

Remote clock offset: -1.76 ms

Below is generated by plot.py at 2018-04-04 03:22:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 64.158 ms

Loss rate: 3.55%

-- Flow 1:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 64.336 ms

Loss rate: 3.63%

-- Flow 2:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 62.046 ms

Loss rate: 2.91%

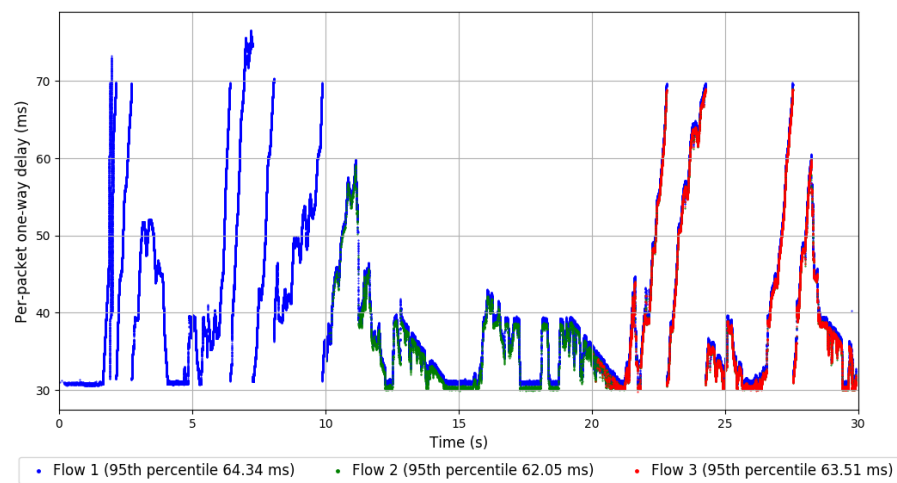
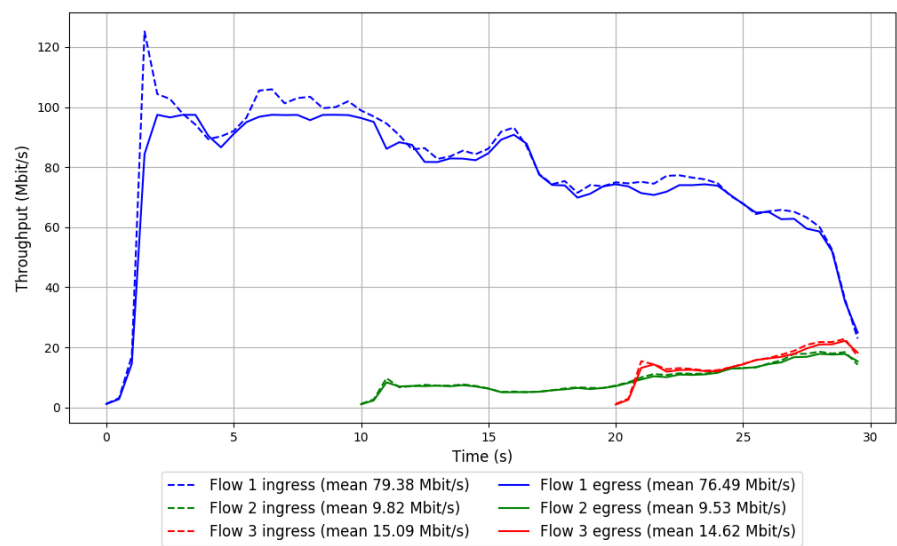
-- Flow 3:

Average throughput: 14.62 Mbit/s

95th percentile per-packet one-way delay: 63.511 ms

Loss rate: 3.09%

Run 1: Report of Vivace-LTE — Data Link

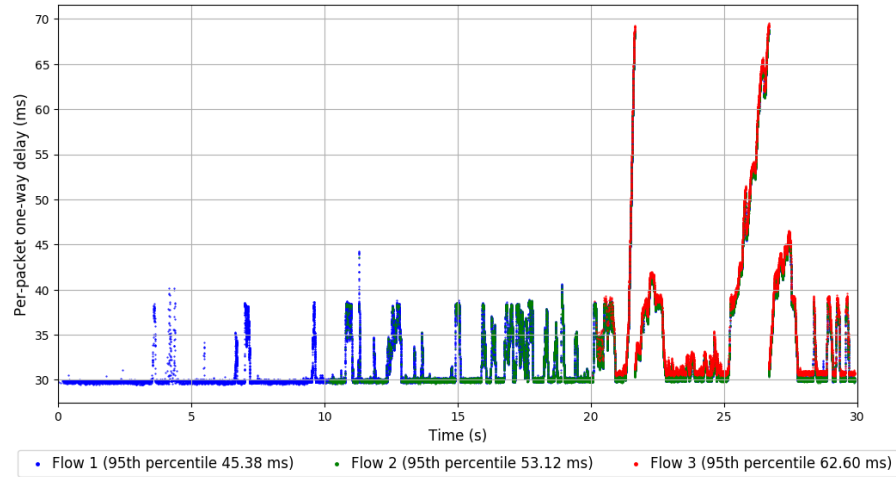
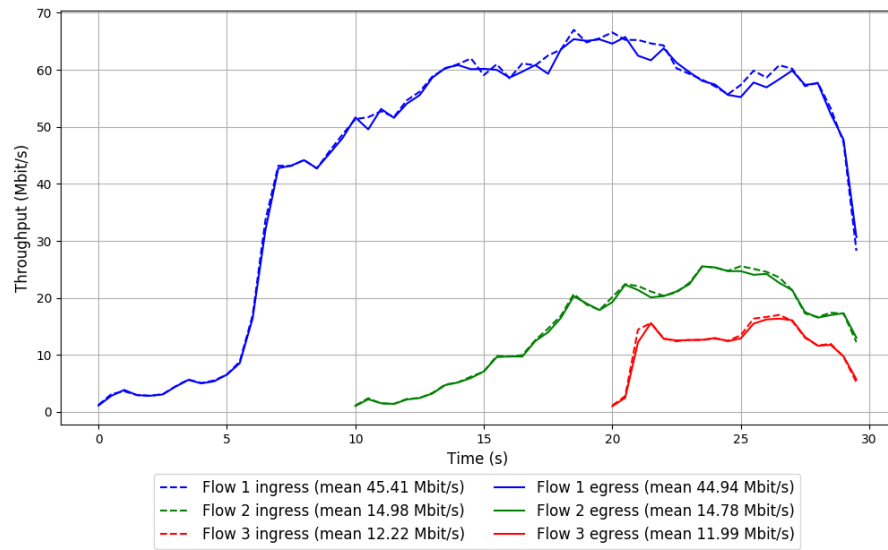


Run 2: Statistics of Vivace-LTE

Start at: 2018-04-03 21:43:44
End at: 2018-04-03 21:44:14
Local clock offset: 0.94 ms
Remote clock offset: -2.733 ms

Below is generated by plot.py at 2018-04-04 03:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 49.746 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: 45.384 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 53.121 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 62.598 ms
Loss rate: 1.84%

Run 2: Report of Vivace-LTE — Data Link

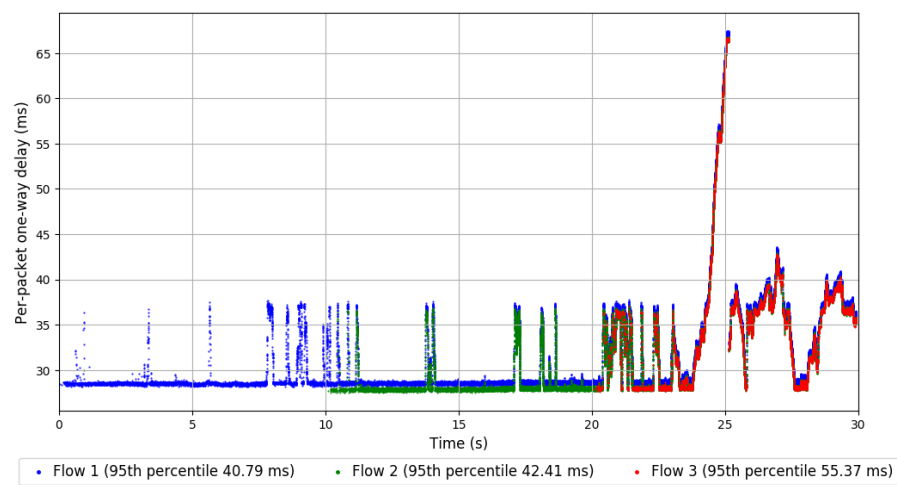
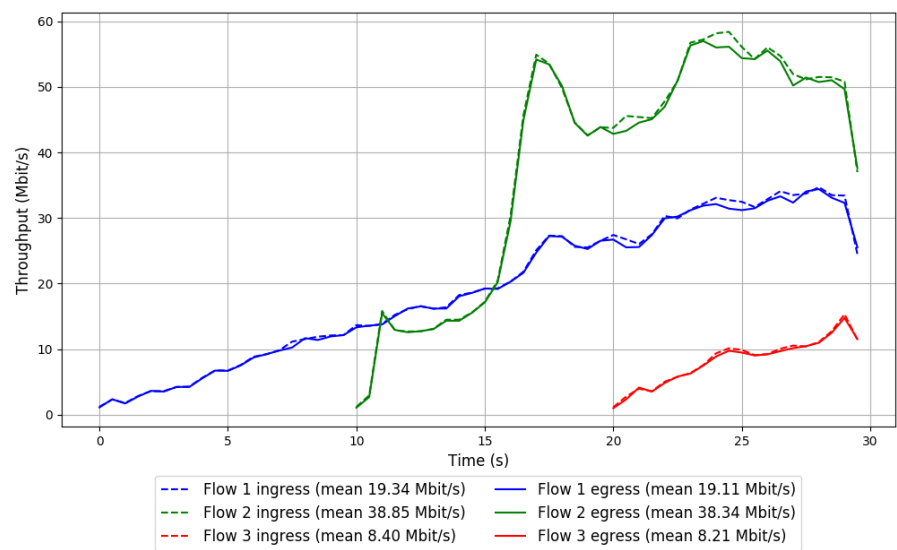


Run 3: Statistics of Vivace-LTE

Start at: 2018-04-03 22:13:12
End at: 2018-04-03 22:13:42
Local clock offset: 0.829 ms
Remote clock offset: -9.439 ms

Below is generated by plot.py at 2018-04-04 03:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 42.109 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 40.788 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 42.407 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 55.374 ms
Loss rate: 2.19%

Run 3: Report of Vivace-LTE — Data Link

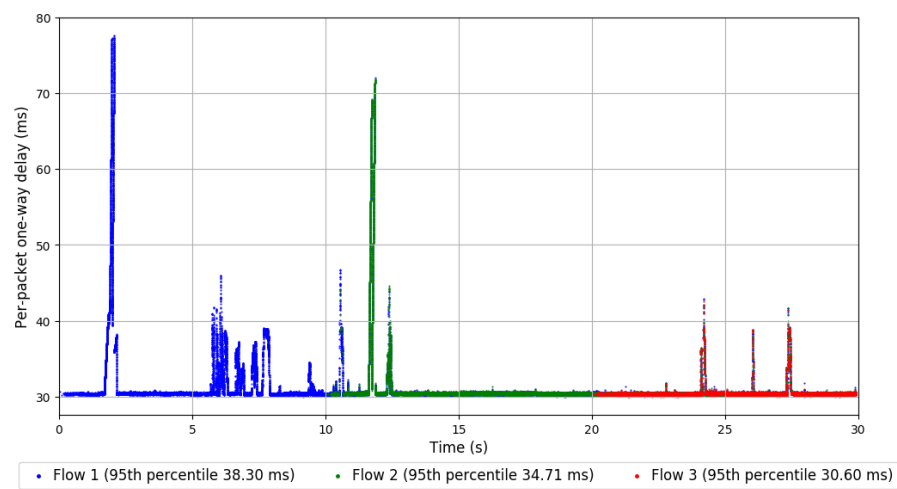
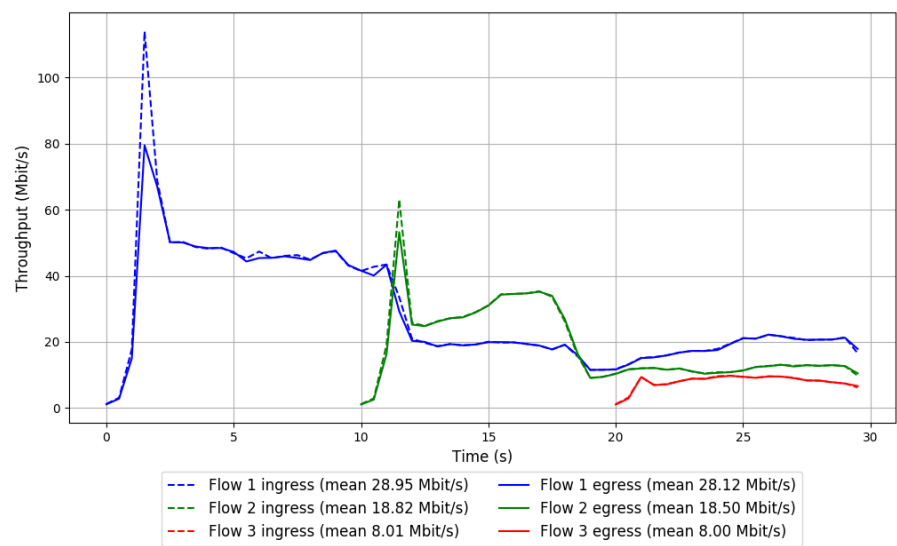


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-03 22:45:57
End at: 2018-04-03 22:46:27
Local clock offset: 1.315 ms
Remote clock offset: -0.795 ms

Below is generated by plot.py at 2018-04-04 03:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 37.327 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 38.295 ms
Loss rate: 2.85%
-- Flow 2:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 34.709 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 30.603 ms
Loss rate: 0.25%

Run 4: Report of Vivace-LTE — Data Link

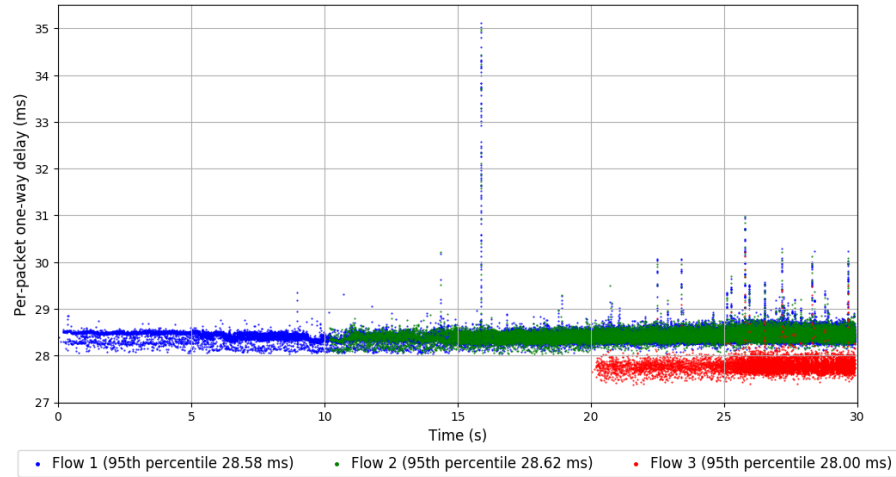
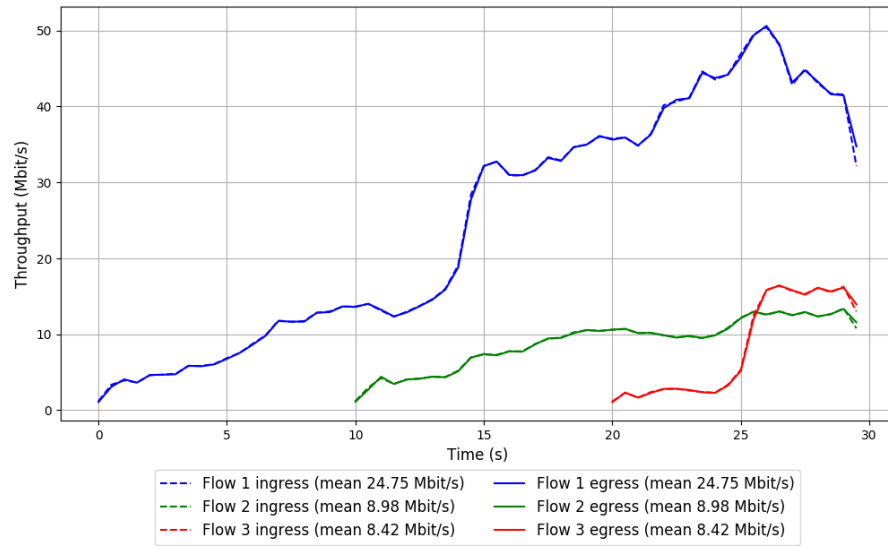


Run 5: Statistics of Vivace-LTE

Start at: 2018-04-03 23:19:05
End at: 2018-04-03 23:19:35
Local clock offset: 1.117 ms
Remote clock offset: -1.751 ms

Below is generated by plot.py at 2018-04-04 03:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 28.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 28.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 28.624 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 28.001 ms
Loss rate: 0.00%

Run 5: Report of Vivace-LTE — Data Link

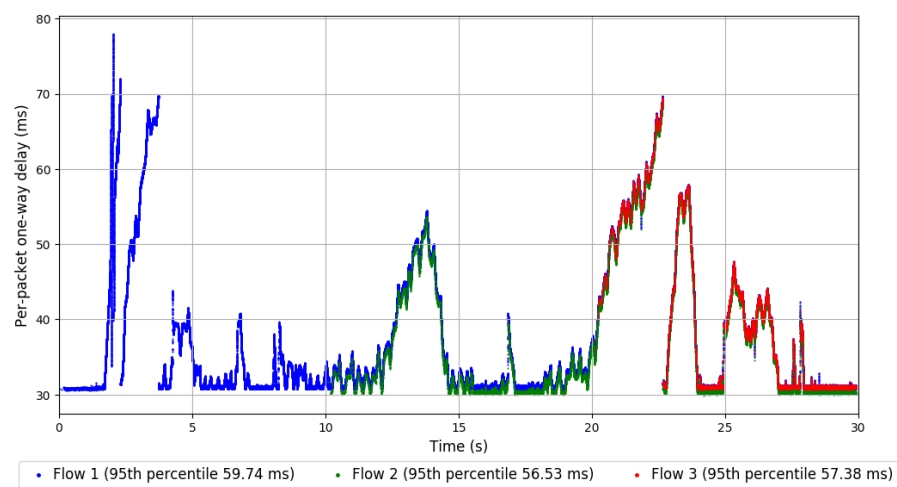
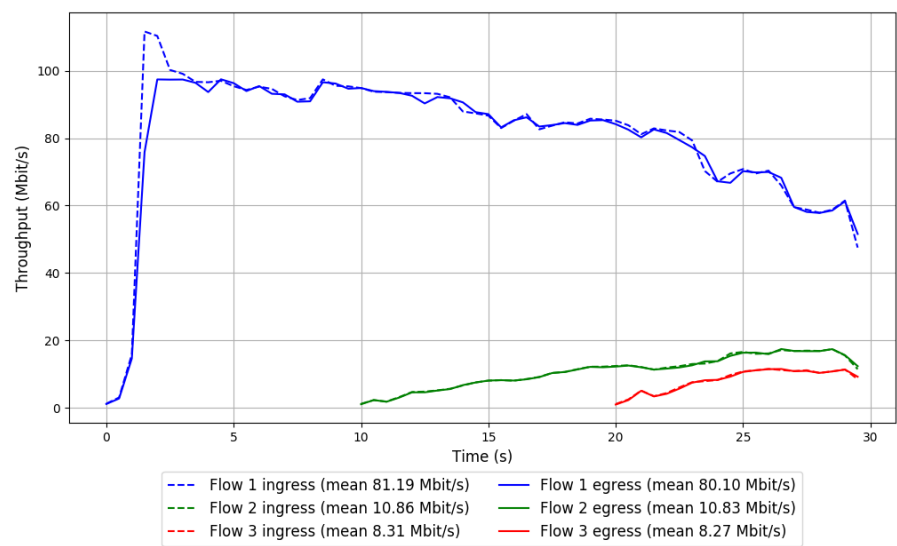


Run 6: Statistics of Vivace-LTE

Start at: 2018-04-03 23:51:35
End at: 2018-04-03 23:52:05
Local clock offset: 0.856 ms
Remote clock offset: -3.068 ms

Below is generated by plot.py at 2018-04-04 03:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 59.271 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 59.744 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 57.385 ms
Loss rate: 0.50%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-04 00:22:56

End at: 2018-04-04 00:23:26

Local clock offset: 0.351 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-04-04 03:22:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.31 Mbit/s

95th percentile per-packet one-way delay: 50.284 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 42.258 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 53.093 ms

Loss rate: 0.54%

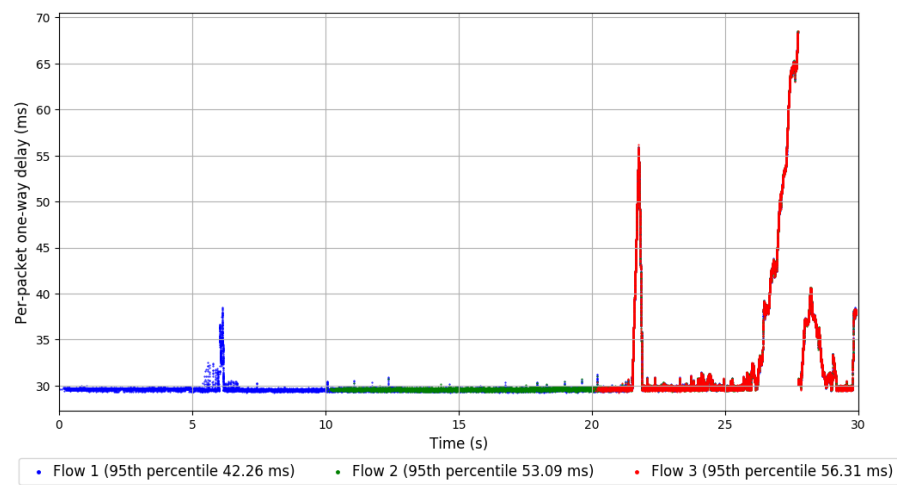
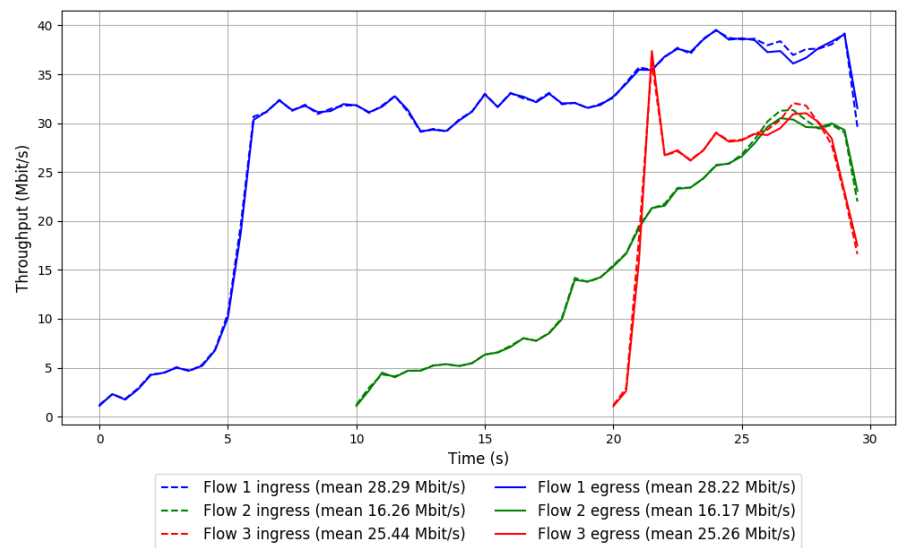
-- Flow 3:

Average throughput: 25.26 Mbit/s

95th percentile per-packet one-way delay: 56.310 ms

Loss rate: 0.63%

Run 7: Report of Vivace-LTE — Data Link

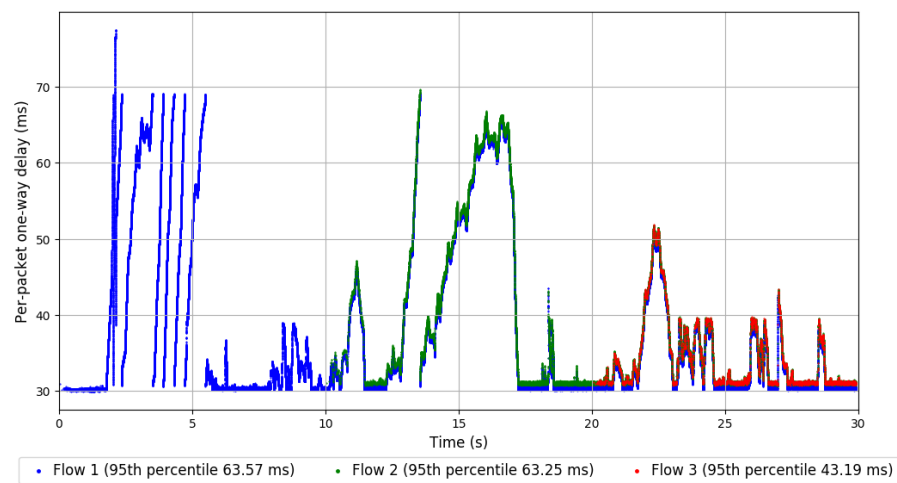
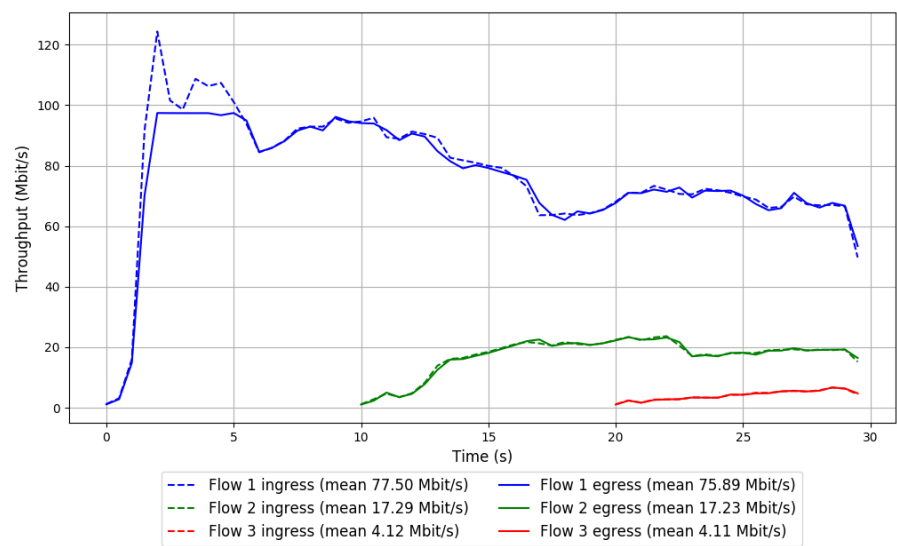


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-04 00:55:28
End at: 2018-04-04 00:55:58
Local clock offset: 0.546 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-04-04 03:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 63.444 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 63.246 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 43.187 ms
Loss rate: 0.22%

Run 8: Report of Vivace-LTE — Data Link

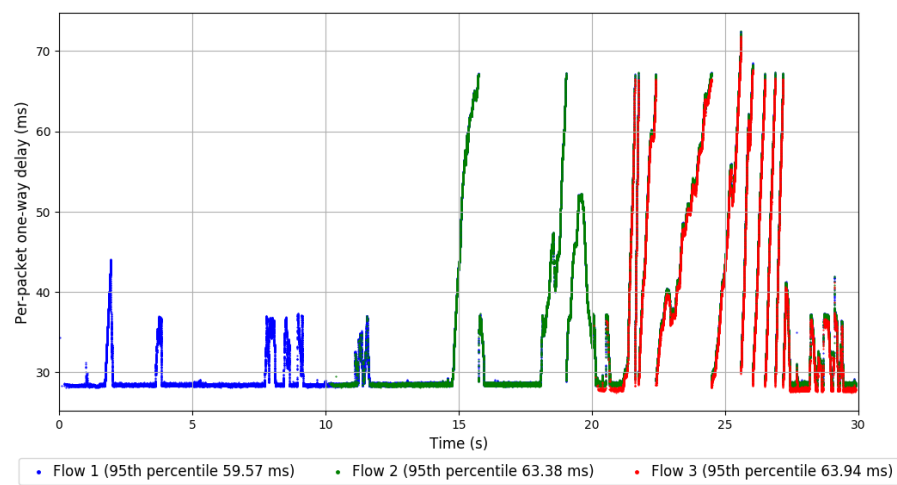
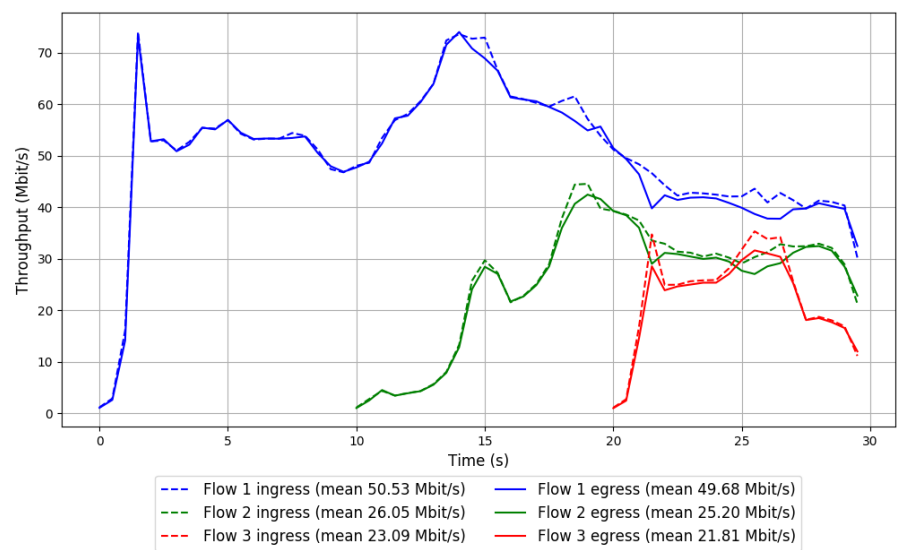


Run 9: Statistics of Vivace-LTE

Start at: 2018-04-04 01:26:03
End at: 2018-04-04 01:26:33
Local clock offset: 0.448 ms
Remote clock offset: -4.278 ms

Below is generated by plot.py at 2018-04-04 03:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.61 Mbit/s
95th percentile per-packet one-way delay: 61.659 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 49.68 Mbit/s
95th percentile per-packet one-way delay: 59.571 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 63.380 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 63.941 ms
Loss rate: 5.64%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-04 01:55:42
End at: 2018-04-04 01:56:12
Local clock offset: 0.167 ms
Remote clock offset: -3.659 ms

Below is generated by plot.py at 2018-04-04 03:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.72 Mbit/s
95th percentile per-packet one-way delay: 62.576 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 62.440 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 62.844 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 63.721 ms
Loss rate: 3.66%

Run 10: Report of Vivace-LTE — Data Link

