

Pantheon Report

Generated at 2018-03-06 20:03:31 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

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).

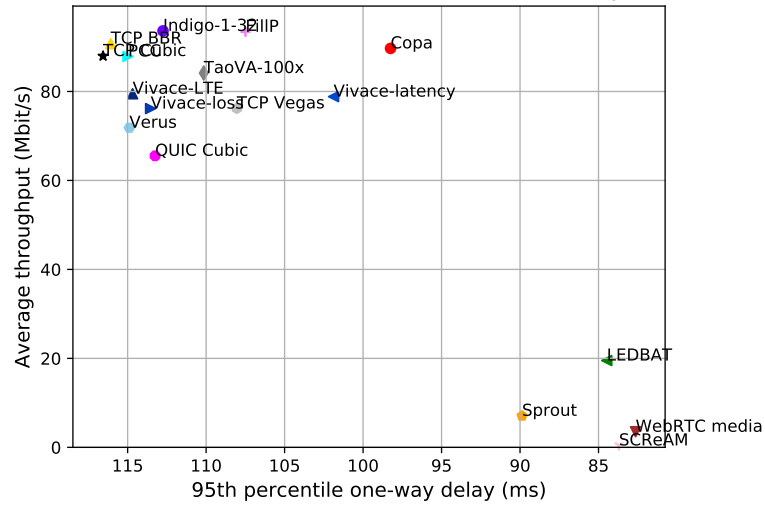
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

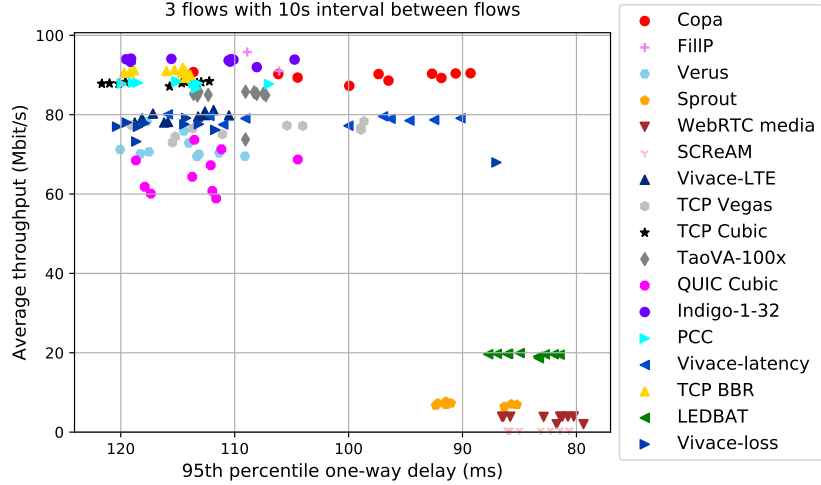
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from Colombia Ethernet to AWS Brazil 2 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	55.57	38.64	29.20	115.78	115.49	116.50	0.39	0.84	2.25
TCP Cubic	10	52.84	38.77	28.74	115.99	116.47	116.74	0.47	1.35	3.70
LEDBAT	10	12.70	8.31	4.00	84.56	83.72	83.86	1.12	1.69	3.41
PCC	9	57.84	32.37	27.11	114.31	114.39	116.17	2.62	4.49	5.39
QUIC Cubic	10	36.21	32.60	23.73	112.73	113.26	113.02	0.63	1.34	2.28
SCReAM	10	0.22	0.22	0.22	83.19	82.41	82.15	0.64	0.84	1.50
WebRTC media	10	1.70	1.34	0.50	82.49	82.40	82.17	0.62	0.77	2.52
Sprout	10	3.72	3.61	2.97	89.87	89.80	88.72	0.62	0.98	2.31
TaoVA-100x	10	50.41	37.96	26.01	108.62	110.90	110.91	1.51	2.31	3.50
TCP Vegas	10	39.72	44.81	20.55	107.39	107.66	108.79	0.59	0.79	2.04
Verus	10	38.01	37.54	27.62	113.19	114.51	116.75	0.60	0.64	2.10
Copa	10	71.76	19.82	14.53	96.96	99.42	100.19	0.43	1.12	2.74
FillP	2	59.37	39.94	27.73	105.76	107.34	110.09	1.94	5.22	14.58
Indigo-1-32	10	64.20	31.54	26.48	111.89	112.58	114.44	0.59	0.80	2.15
Vivace-latency	10	61.64	19.20	13.73	100.49	102.09	103.56	0.67	2.53	4.41
Vivace-loss	10	49.74	28.53	23.03	112.79	113.06	113.44	1.16	2.01	4.59
Vivace-LTE	10	51.87	30.90	21.90	113.48	114.62	116.33	0.64	1.65	3.46

Run 1: Statistics of TCP BBR

Start at: 2018-03-06 11:47:27

End at: 2018-03-06 11:47:57

Local clock offset: -6.278 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-03-06 19:41:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.33 Mbit/s

95th percentile per-packet one-way delay: 114.329 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 114.750 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 112.341 ms

Loss rate: 0.85%

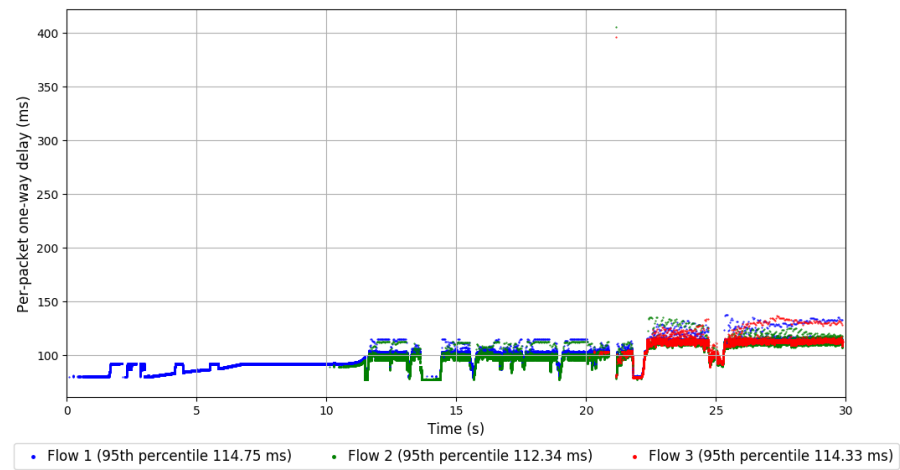
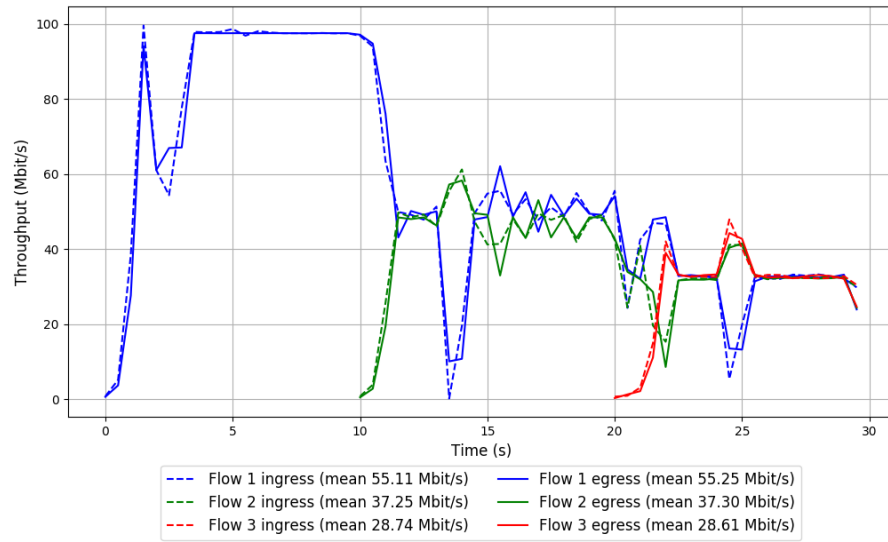
-- Flow 3:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 114.335 ms

Loss rate: 2.32%

Run 1: Report of TCP BBR — Data Link

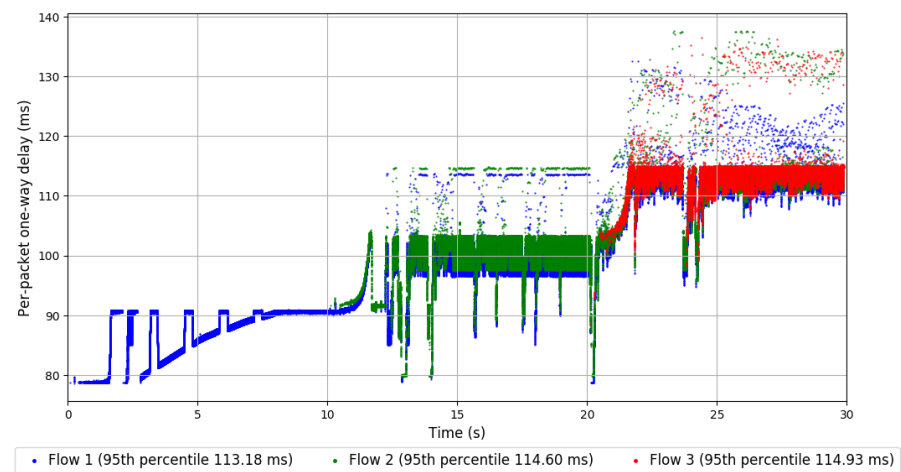
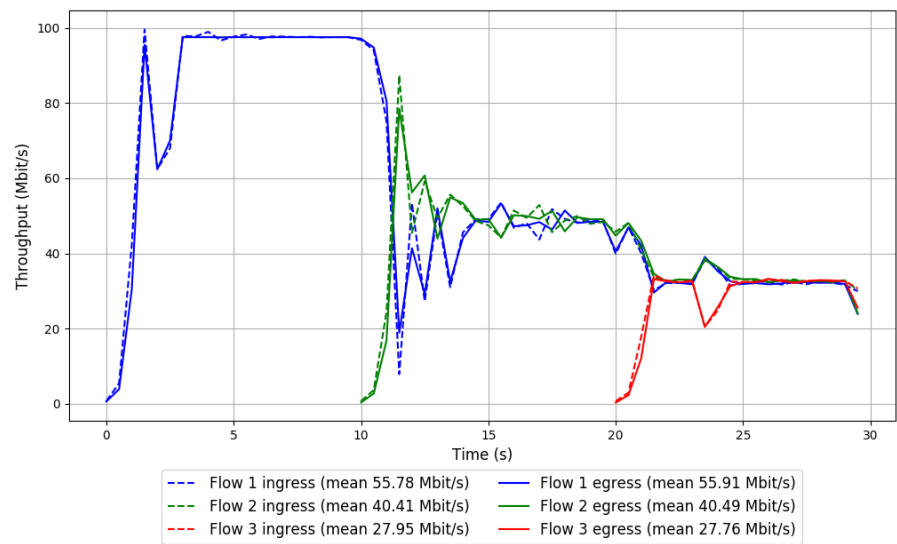


Run 2: Statistics of TCP BBR

Start at: 2018-03-06 12:10:59
End at: 2018-03-06 12:11:29
Local clock offset: -6.983 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-03-06 19:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 114.550 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 113.177 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 114.601 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 114.929 ms
Loss rate: 2.40%

Run 2: Report of TCP BBR — Data Link

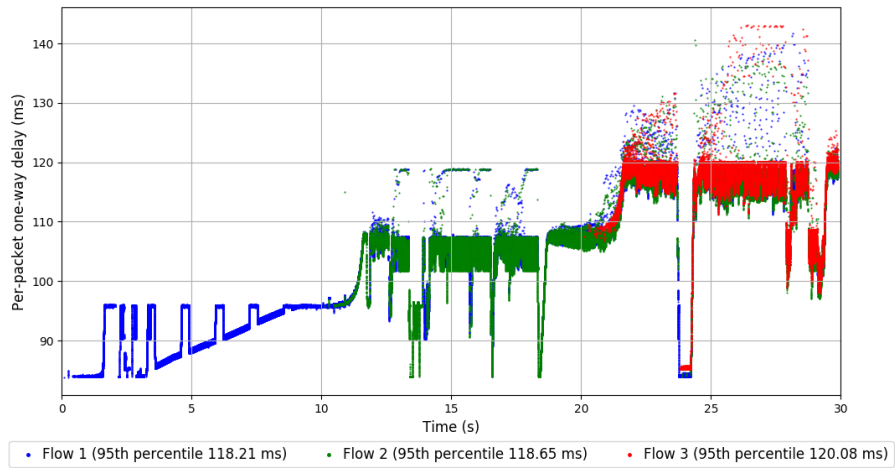
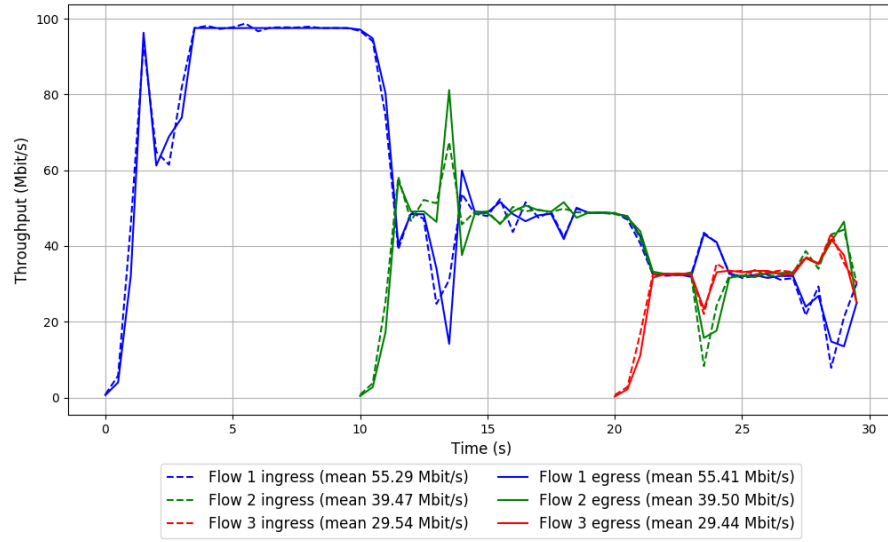


Run 3: Statistics of TCP BBR

Start at: 2018-03-06 12:34:29
End at: 2018-03-06 12:34:59
Local clock offset: -6.911 ms
Remote clock offset: -6.086 ms

Below is generated by plot.py at 2018-03-06 19:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 118.828 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 118.208 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 118.650 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 120.078 ms
Loss rate: 2.21%

Run 3: Report of TCP BBR — Data Link

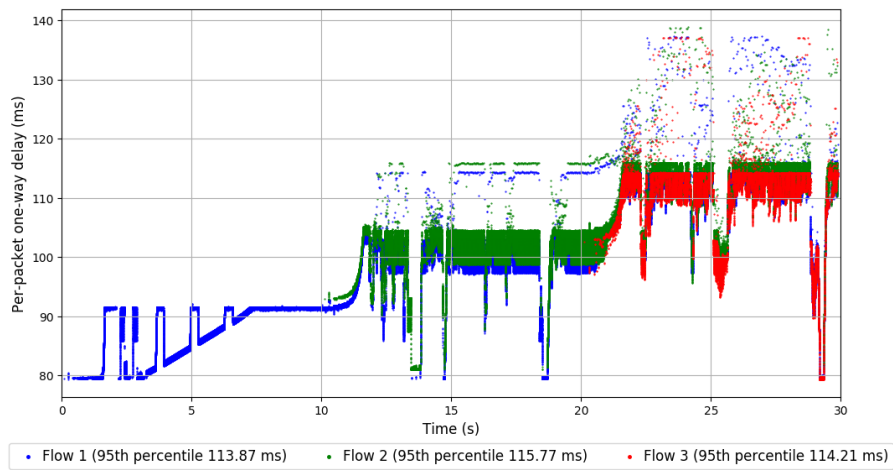
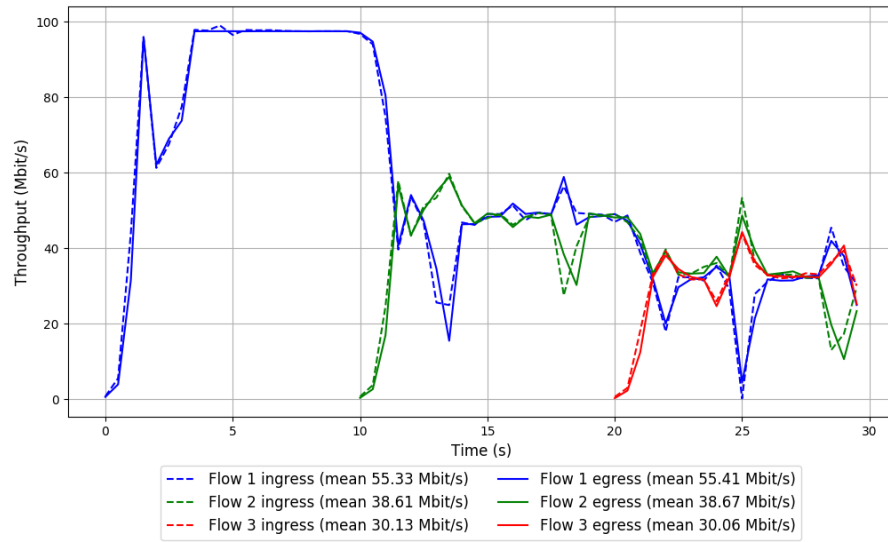


Run 4: Statistics of TCP BBR

Start at: 2018-03-06 12:58:17
End at: 2018-03-06 12:58:47
Local clock offset: -6.739 ms
Remote clock offset: -1.706 ms

Below is generated by plot.py at 2018-03-06 19:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 114.324 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 113.873 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 115.767 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 114.208 ms
Loss rate: 2.13%

Run 4: Report of TCP BBR — Data Link

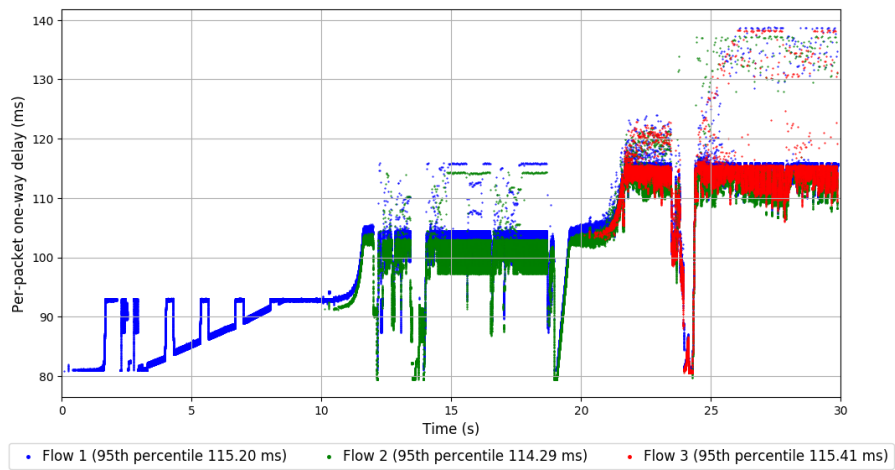
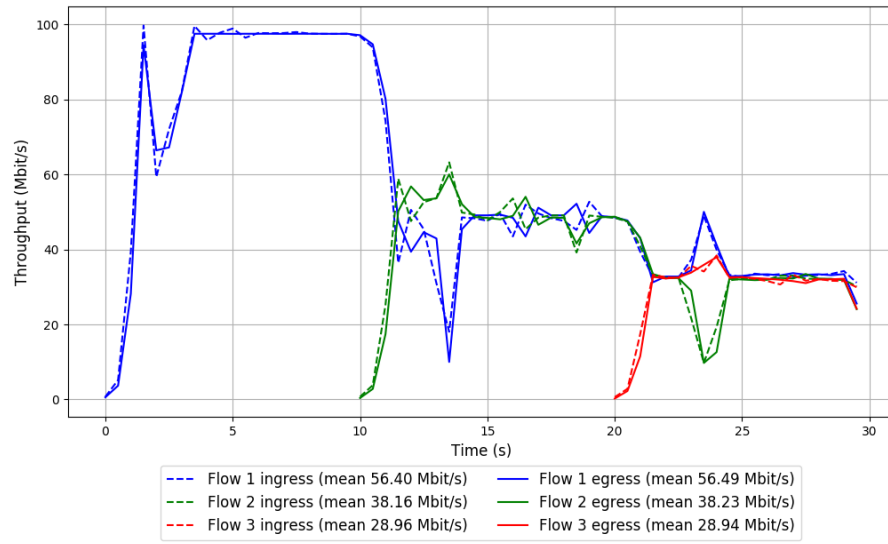


Run 5: Statistics of TCP BBR

Start at: 2018-03-06 13:21:51
End at: 2018-03-06 13:22:21
Local clock offset: -6.822 ms
Remote clock offset: -1.544 ms

Below is generated by plot.py at 2018-03-06 19:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.30 Mbit/s
95th percentile per-packet one-way delay: 115.287 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 115.198 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 114.289 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 115.413 ms
Loss rate: 2.27%

Run 5: Report of TCP BBR — Data Link

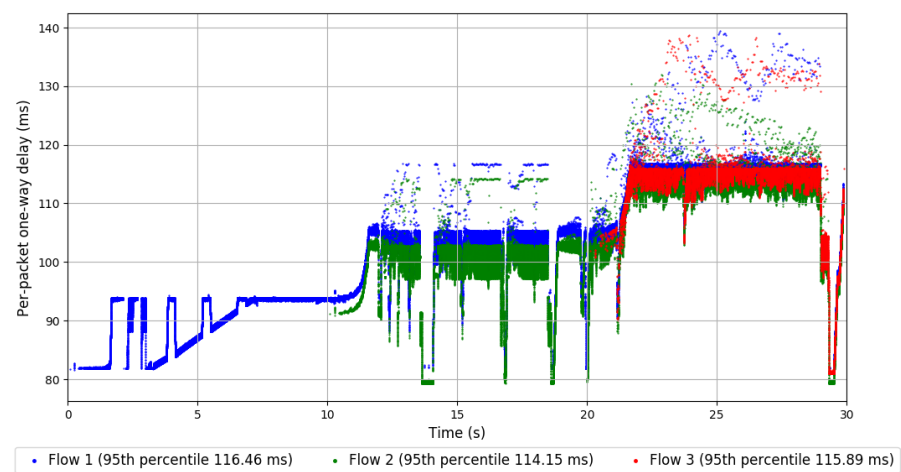
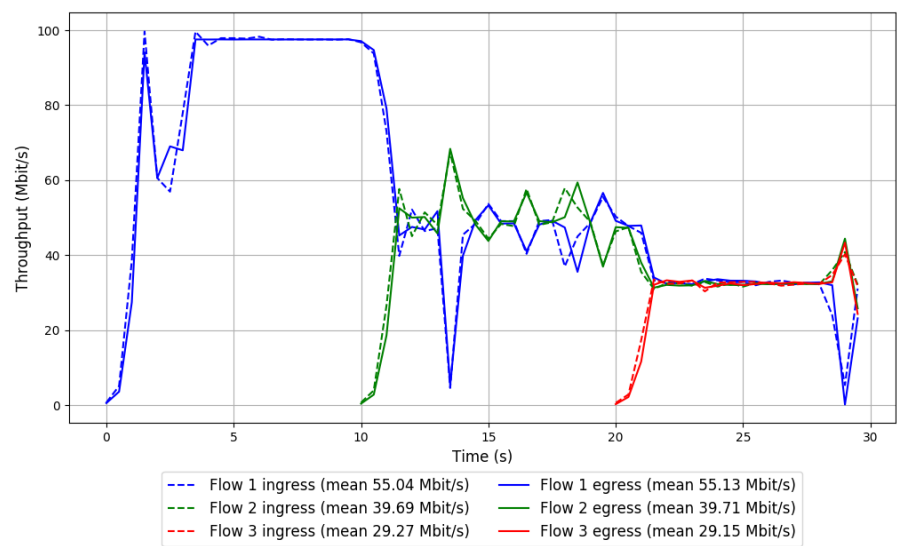


Run 6: Statistics of TCP BBR

Start at: 2018-03-06 13:45:22
End at: 2018-03-06 13:45:52
Local clock offset: -6.187 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-03-06 19:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 115.988 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 116.457 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 114.147 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 115.890 ms
Loss rate: 2.25%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-06 14:08:56

End at: 2018-03-06 14:09:26

Local clock offset: -5.776 ms

Remote clock offset: 0.901 ms

Below is generated by plot.py at 2018-03-06 19:41:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.62 Mbit/s

95th percentile per-packet one-way delay: 114.650 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 55.83 Mbit/s

95th percentile per-packet one-way delay: 113.873 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 37.50 Mbit/s

95th percentile per-packet one-way delay: 114.355 ms

Loss rate: 0.87%

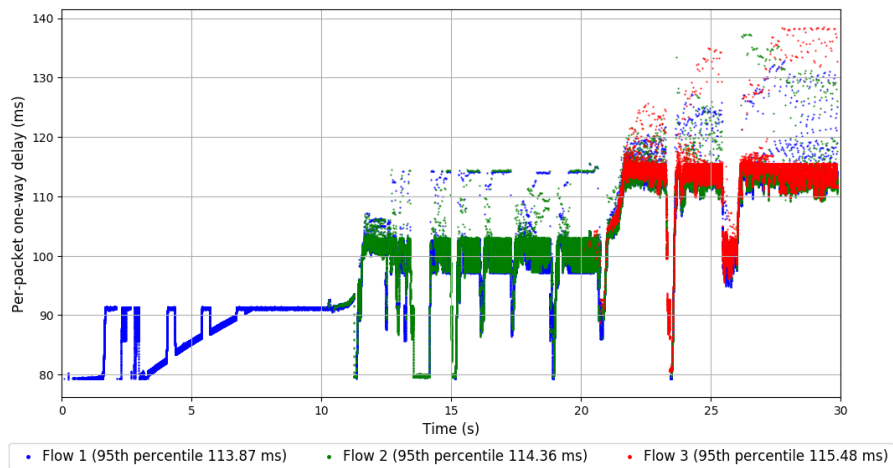
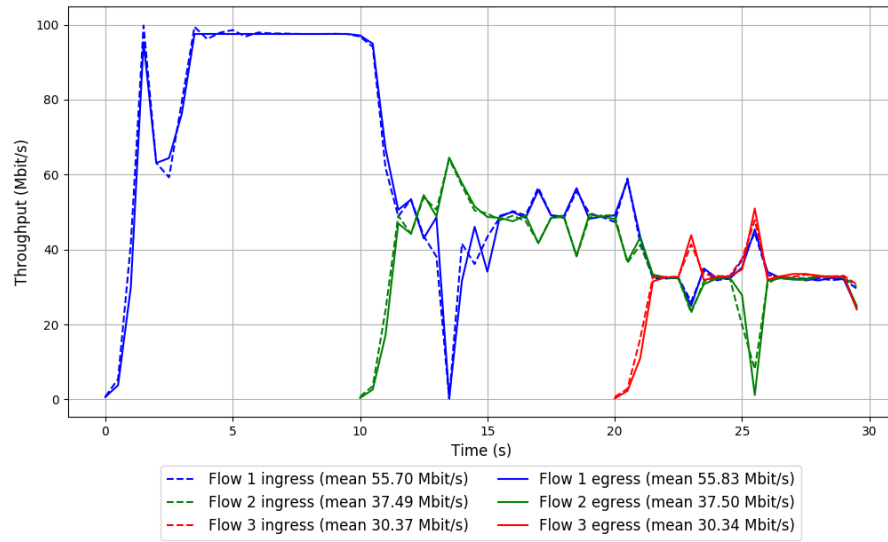
-- Flow 3:

Average throughput: 30.34 Mbit/s

95th percentile per-packet one-way delay: 115.481 ms

Loss rate: 2.22%

Run 7: Report of TCP BBR — Data Link

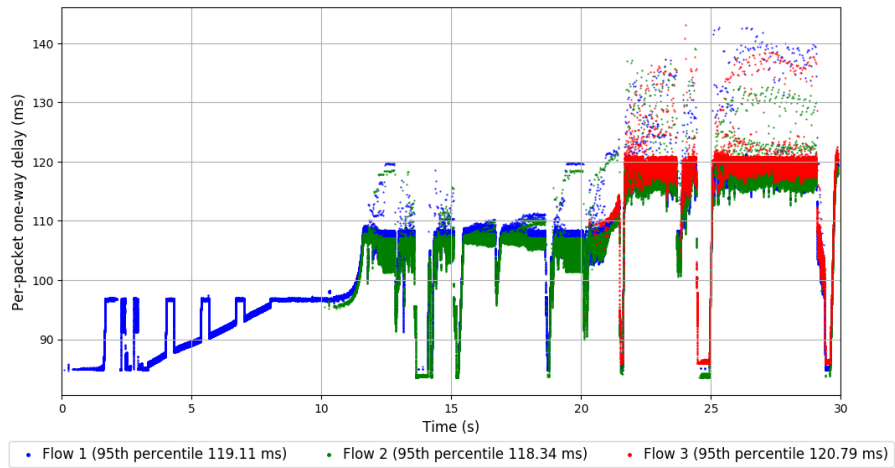
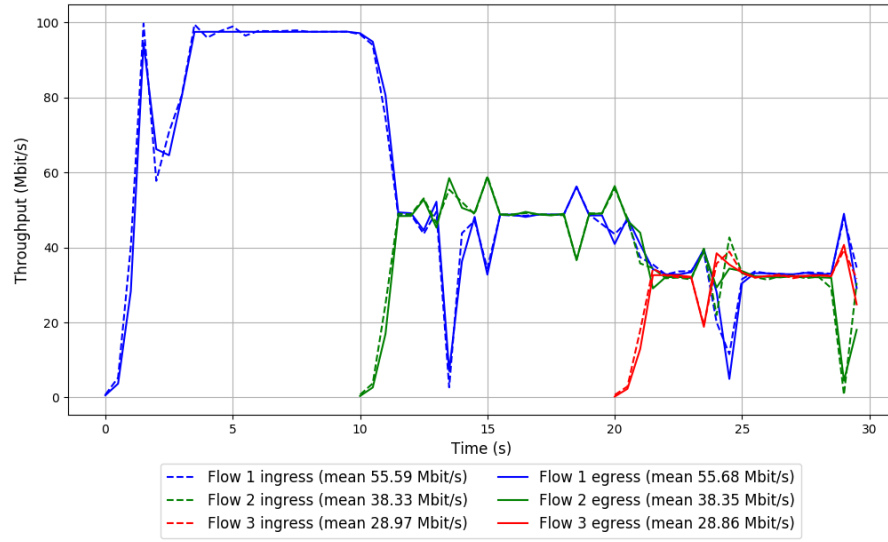


Run 8: Statistics of TCP BBR

Start at: 2018-03-06 14:32:46
End at: 2018-03-06 14:33:16
Local clock offset: -5.816 ms
Remote clock offset: -5.392 ms

Below is generated by plot.py at 2018-03-06 19:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 119.701 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.68 Mbit/s
95th percentile per-packet one-way delay: 119.111 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 118.342 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 120.789 ms
Loss rate: 2.27%

Run 8: Report of TCP BBR — Data Link

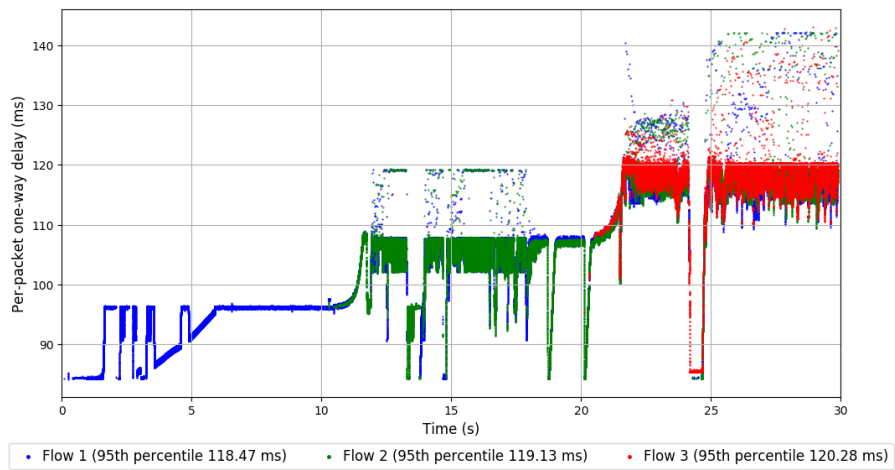
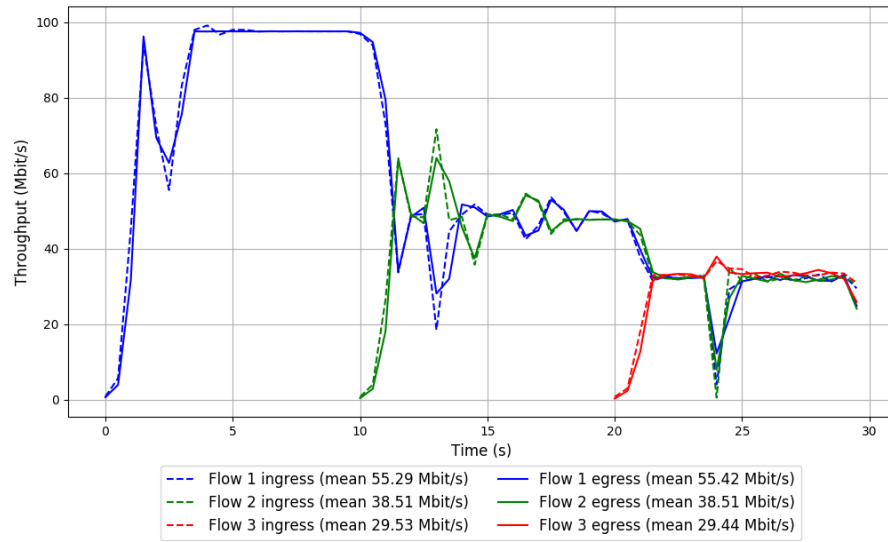


Run 9: Statistics of TCP BBR

Start at: 2018-03-06 14:56:18
End at: 2018-03-06 14:56:48
Local clock offset: -5.998 ms
Remote clock offset: -6.738 ms

Below is generated by plot.py at 2018-03-06 19:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 119.219 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 118.466 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 119.130 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 120.280 ms
Loss rate: 2.28%

Run 9: Report of TCP BBR — Data Link

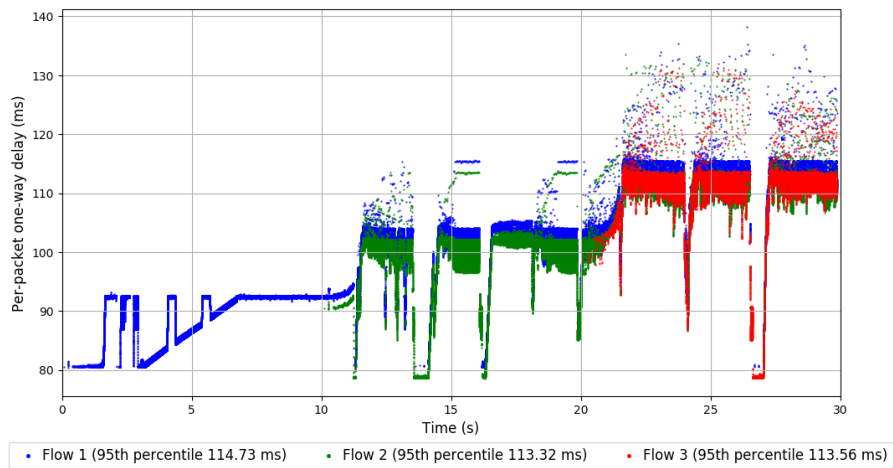
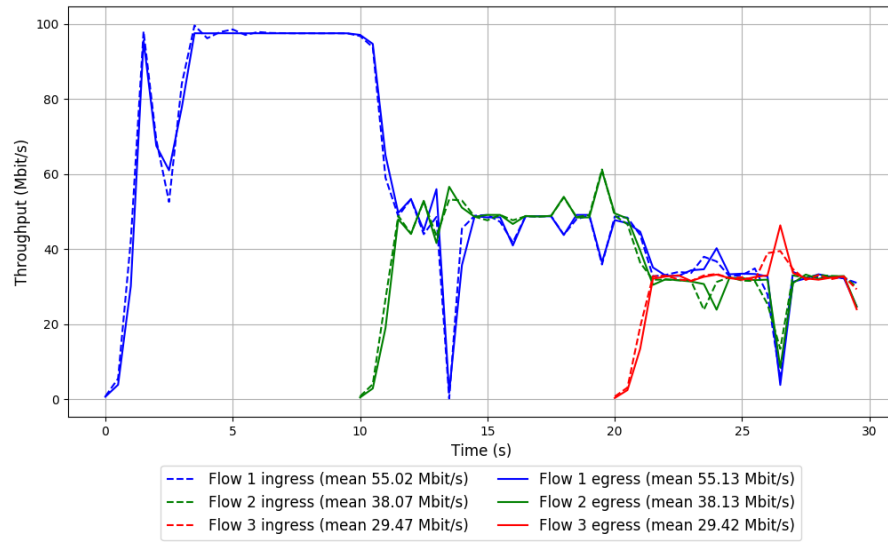


Run 10: Statistics of TCP BBR

Start at: 2018-03-06 15:19:51
End at: 2018-03-06 15:20:21
Local clock offset: -6.084 ms
Remote clock offset: -1.057 ms

Below is generated by plot.py at 2018-03-06 19:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 113.906 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 55.13 Mbit/s
95th percentile per-packet one-way delay: 114.728 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 113.318 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 113.559 ms
Loss rate: 2.19%

Run 10: Report of TCP BBR — Data Link

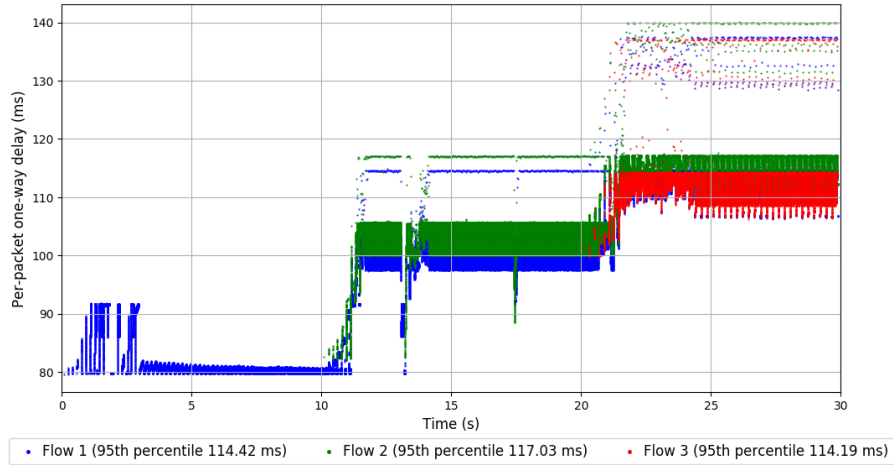
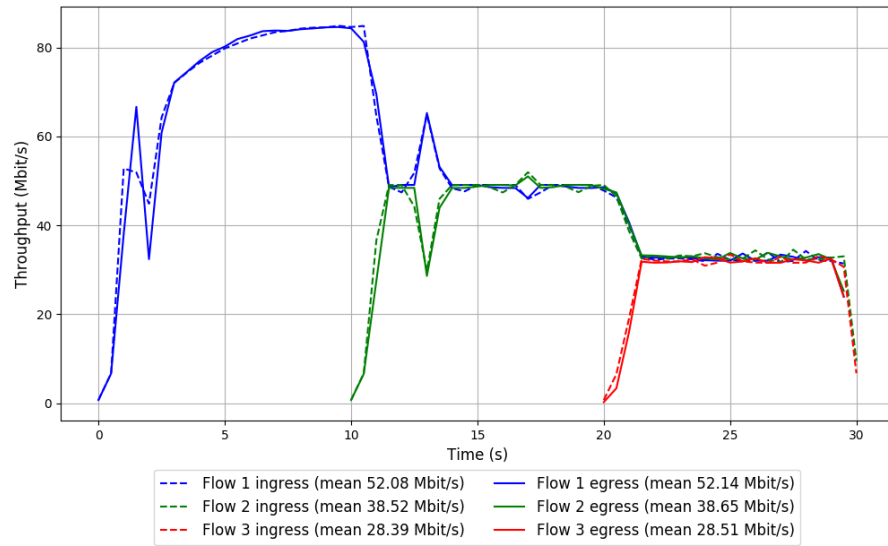


Run 1: Statistics of TCP Cubic

Start at: 2018-03-06 12:01:55
End at: 2018-03-06 12:02:25
Local clock offset: -6.748 ms
Remote clock offset: -1.181 ms

Below is generated by plot.py at 2018-03-06 19:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 115.711 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 52.14 Mbit/s
95th percentile per-packet one-way delay: 114.419 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.65 Mbit/s
95th percentile per-packet one-way delay: 117.034 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 114.186 ms
Loss rate: 3.72%

Run 1: Report of TCP Cubic — Data Link

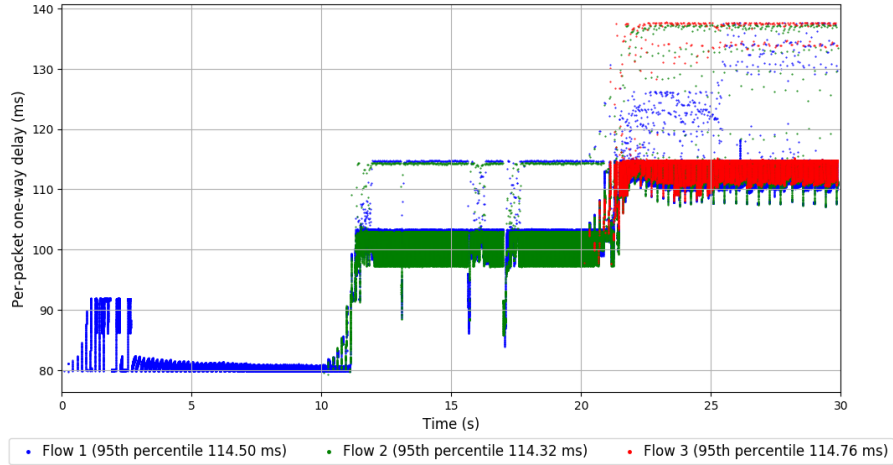
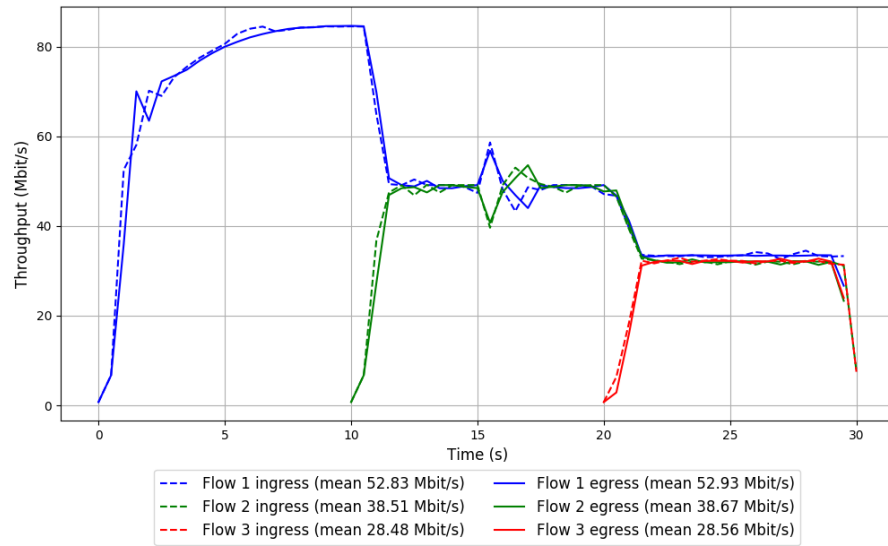


Run 2: Statistics of TCP Cubic

Start at: 2018-03-06 12:25:24
End at: 2018-03-06 12:25:54
Local clock offset: -7.194 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2018-03-06 19:43:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 114.650 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 114.501 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 114.324 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 114.756 ms
Loss rate: 3.74%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-03-06 12:49:09

End at: 2018-03-06 12:49:39

Local clock offset: -6.747 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-03-06 19:43:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 112.947 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 112.253 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 38.95 Mbit/s

95th percentile per-packet one-way delay: 113.901 ms

Loss rate: 1.54%

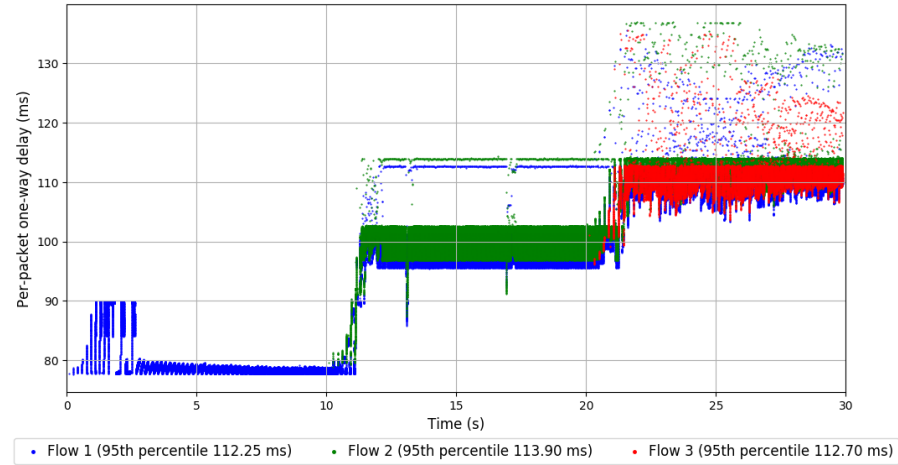
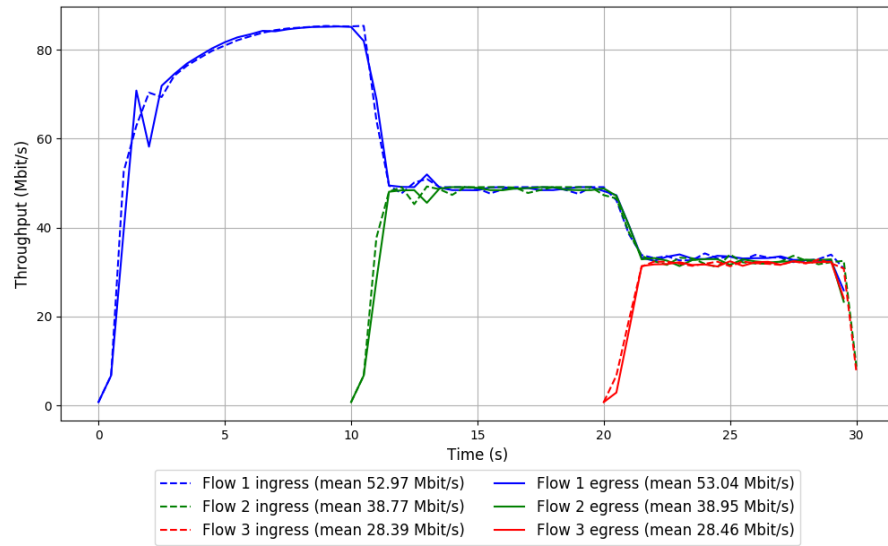
-- Flow 3:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 112.698 ms

Loss rate: 3.71%

Run 3: Report of TCP Cubic — Data Link

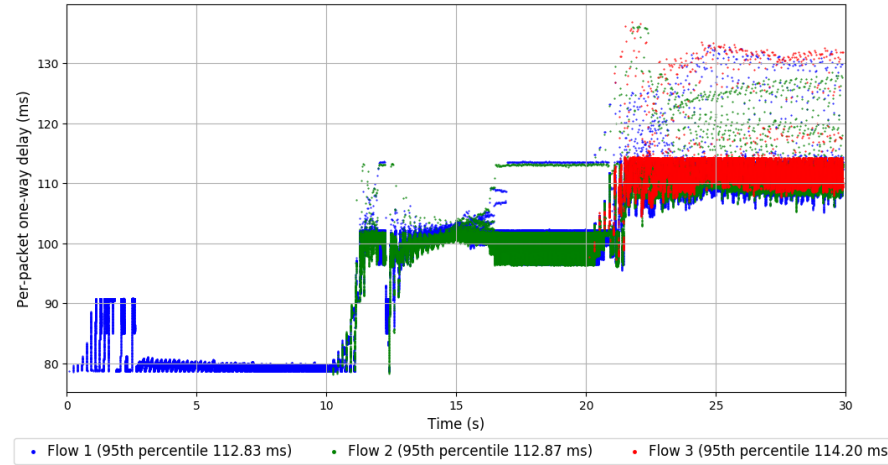
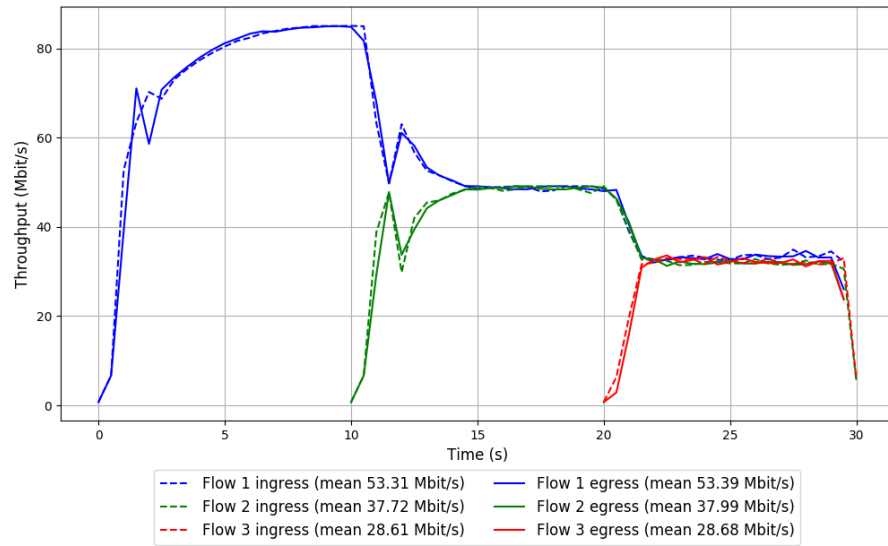


Run 4: Statistics of TCP Cubic

Start at: 2018-03-06 13:12:46
End at: 2018-03-06 13:13:16
Local clock offset: -6.753 ms
Remote clock offset: -0.985 ms

Below is generated by plot.py at 2018-03-06 19:43:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 113.301 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 53.39 Mbit/s
95th percentile per-packet one-way delay: 112.829 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 112.874 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 114.202 ms
Loss rate: 3.69%

Run 4: Report of TCP Cubic — Data Link

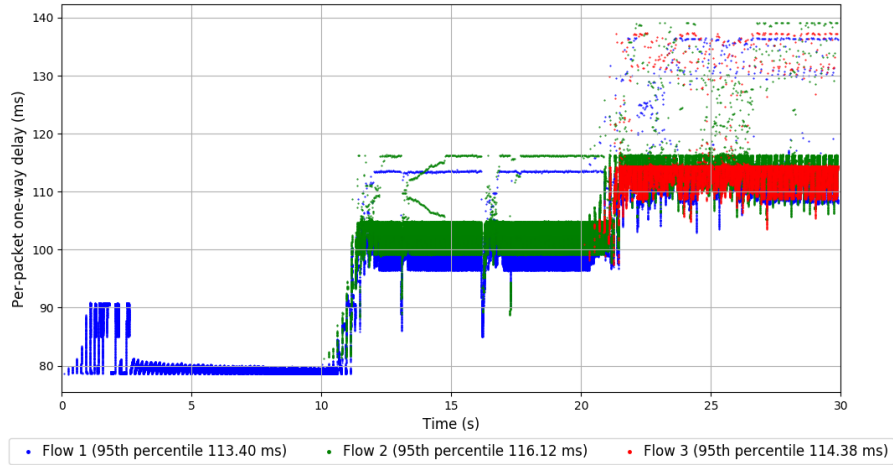
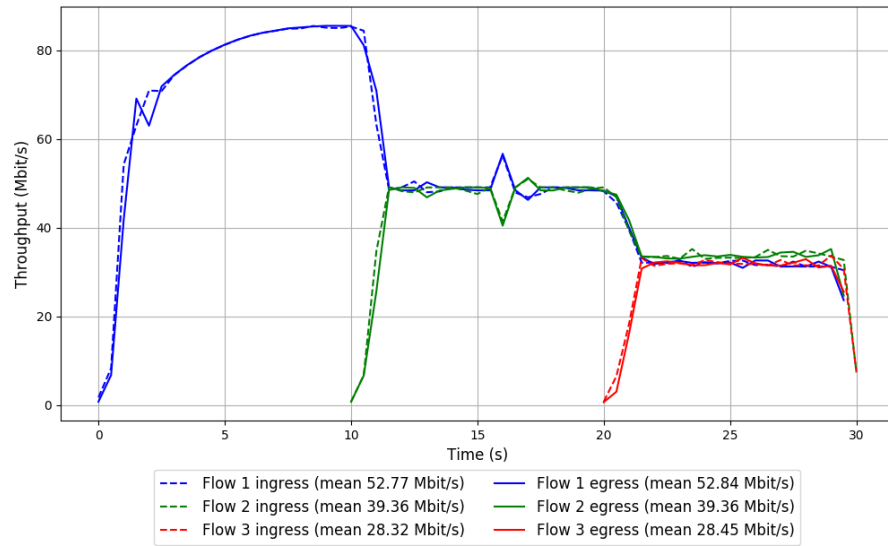


Run 5: Statistics of TCP Cubic

Start at: 2018-03-06 13:36:17
End at: 2018-03-06 13:36:47
Local clock offset: -6.705 ms
Remote clock offset: -0.471 ms

Below is generated by plot.py at 2018-03-06 19:43:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 114.400 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 113.399 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 116.118 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 114.383 ms
Loss rate: 3.69%

Run 5: Report of TCP Cubic — Data Link

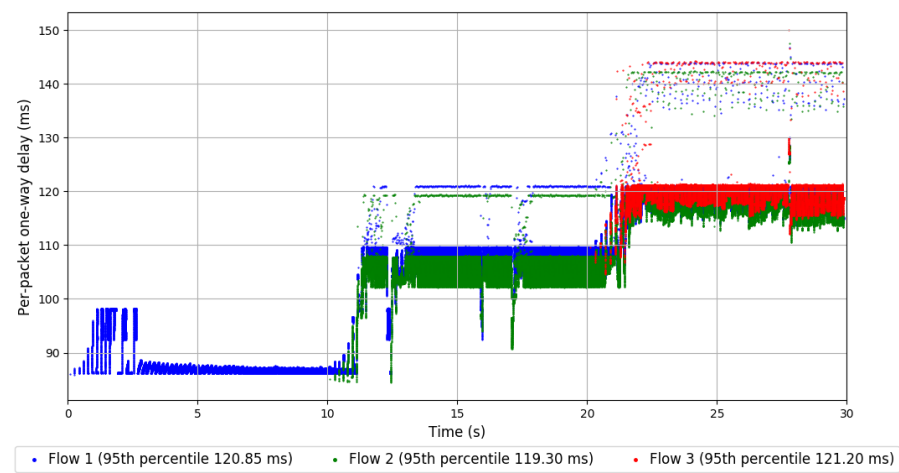
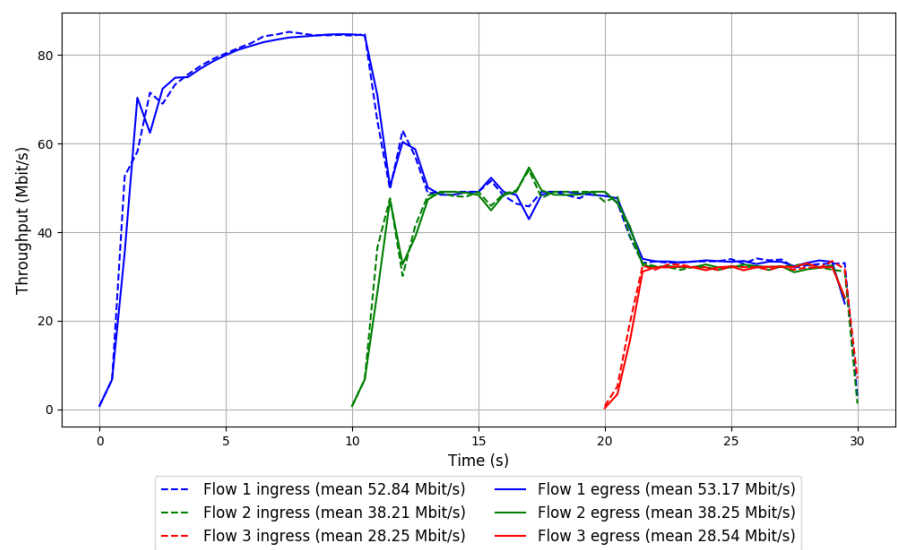


Run 6: Statistics of TCP Cubic

Start at: 2018-03-06 13:59:50
End at: 2018-03-06 14:00:20
Local clock offset: -5.877 ms
Remote clock offset: -4.965 ms

Below is generated by plot.py at 2018-03-06 19:43:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.89 Mbit/s
95th percentile per-packet one-way delay: 120.990 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 120.849 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 119.296 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 121.204 ms
Loss rate: 3.70%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-03-06 14:23:37

End at: 2018-03-06 14:24:07

Local clock offset: -5.902 ms

Remote clock offset: 1.13 ms

Below is generated by plot.py at 2018-03-06 19:44:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 112.229 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 111.685 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 112.170 ms

Loss rate: 1.43%

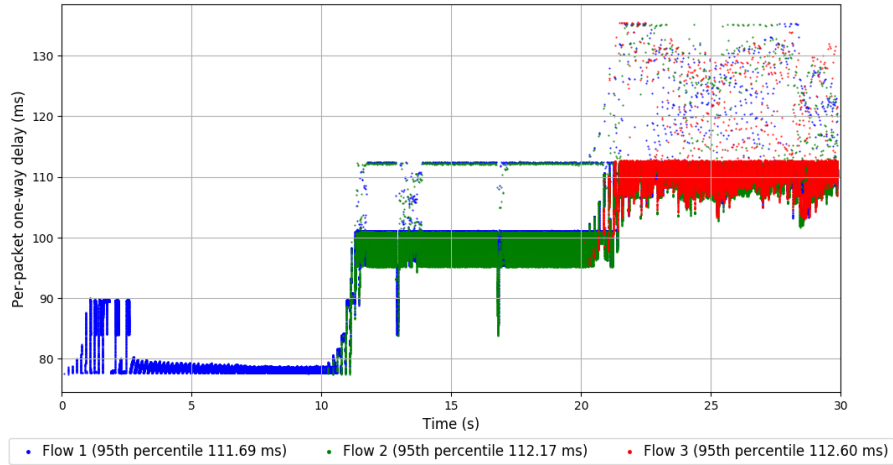
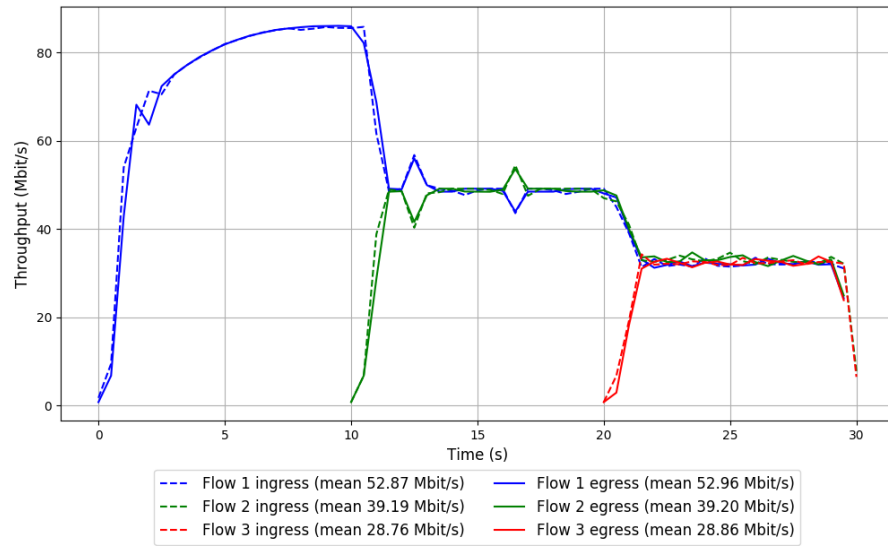
-- Flow 3:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 112.599 ms

Loss rate: 3.67%

Run 7: Report of TCP Cubic — Data Link

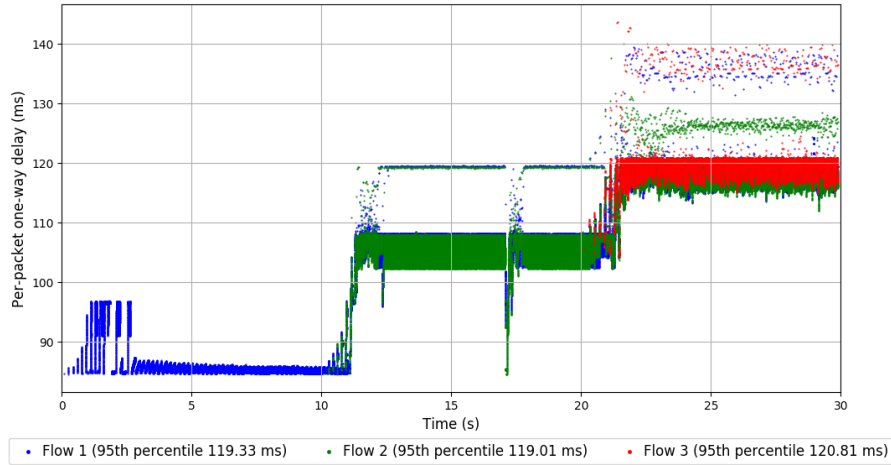
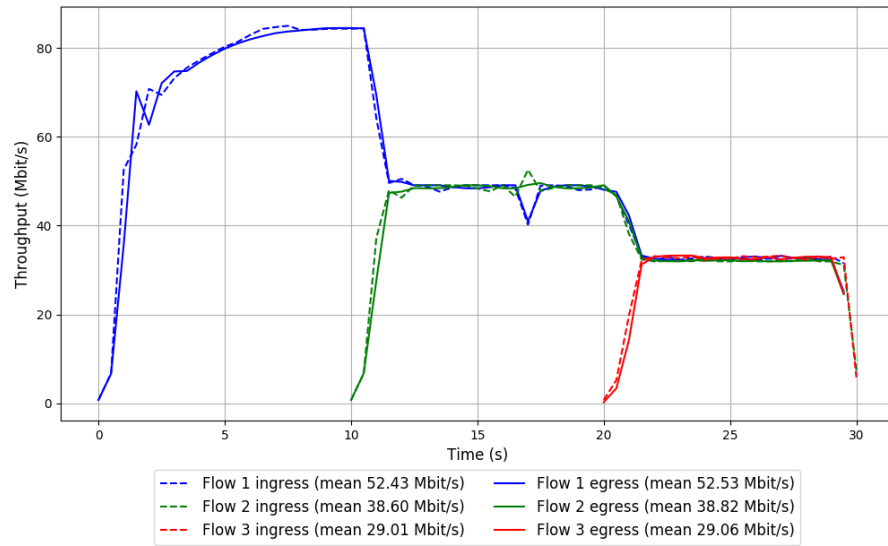


Run 8: Statistics of TCP Cubic

Start at: 2018-03-06 14:47:14
End at: 2018-03-06 14:47:44
Local clock offset: -5.847 ms
Remote clock offset: -5.761 ms

Below is generated by plot.py at 2018-03-06 19:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 120.180 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 119.329 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 119.013 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 120.810 ms
Loss rate: 3.69%

Run 8: Report of TCP Cubic — Data Link

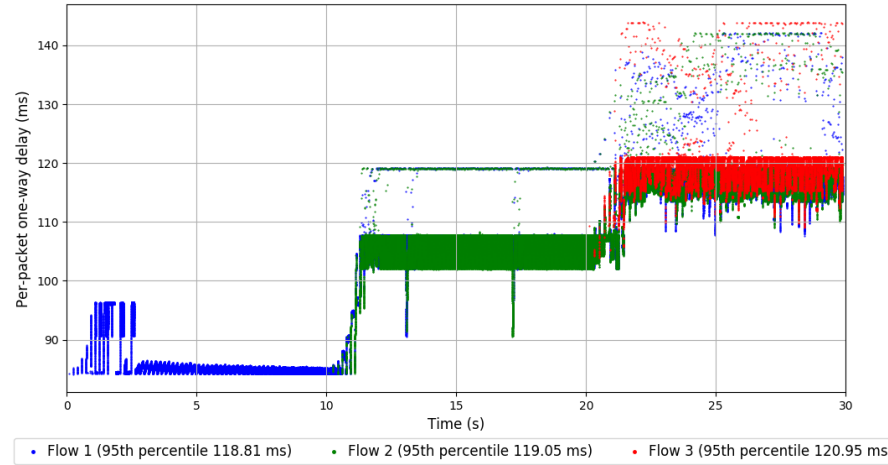
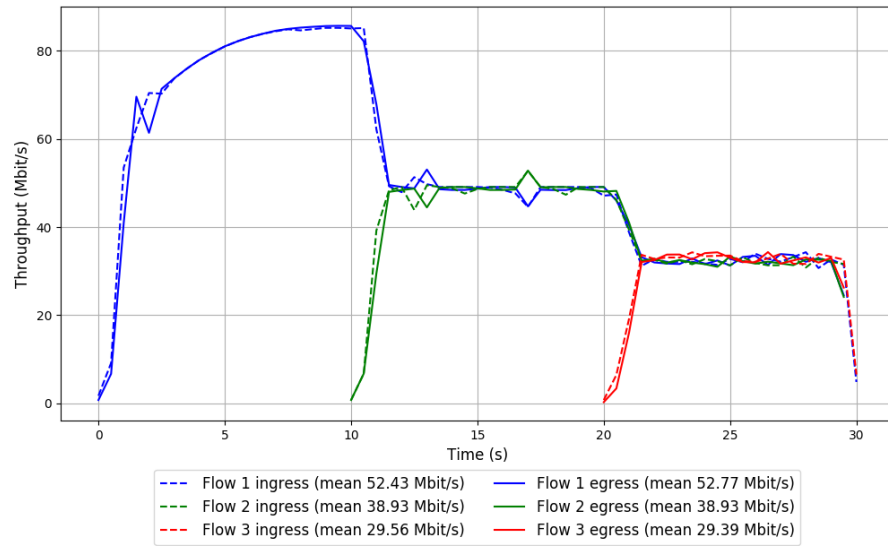


Run 9: Statistics of TCP Cubic

Start at: 2018-03-06 15:10:44
End at: 2018-03-06 15:11:15
Local clock offset: -6.061 ms
Remote clock offset: -6.602 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 119.596 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 118.815 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 119.050 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 120.949 ms
Loss rate: 3.67%

Run 9: Report of TCP Cubic — Data Link

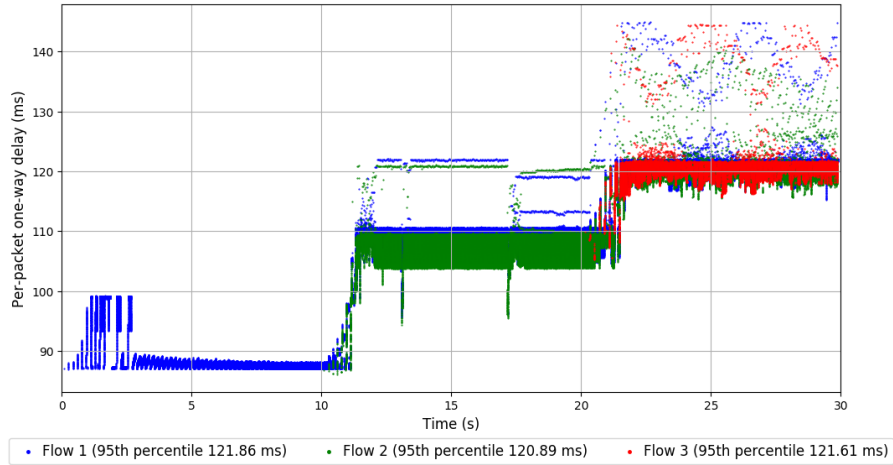
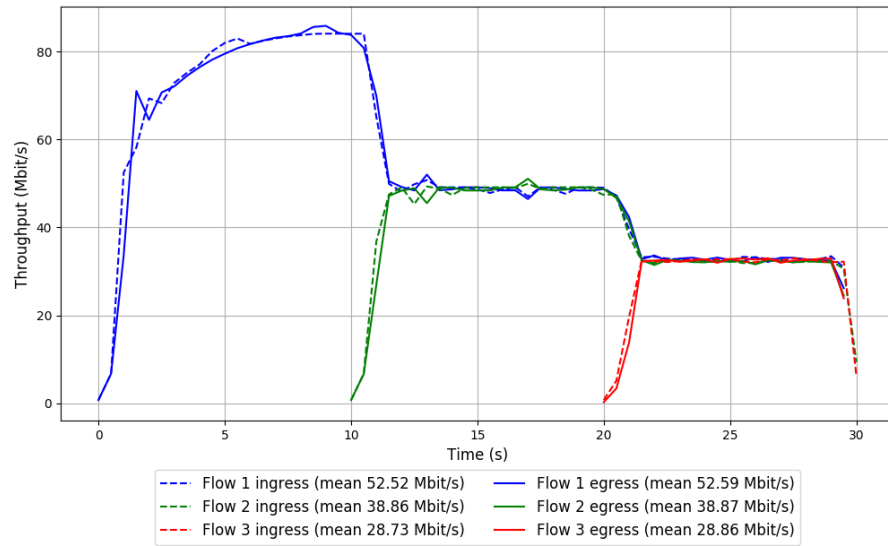


Run 10: Statistics of TCP Cubic

Start at: 2018-03-06 15:34:20
End at: 2018-03-06 15:34:50
Local clock offset: -6.394 ms
Remote clock offset: -6.522 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 121.662 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 121.855 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 120.895 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 121.606 ms
Loss rate: 3.73%

Run 10: Report of TCP Cubic — Data Link

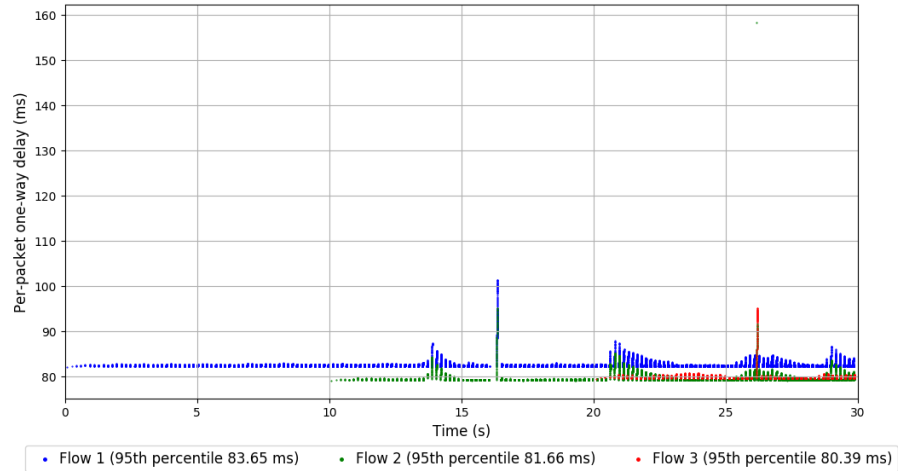
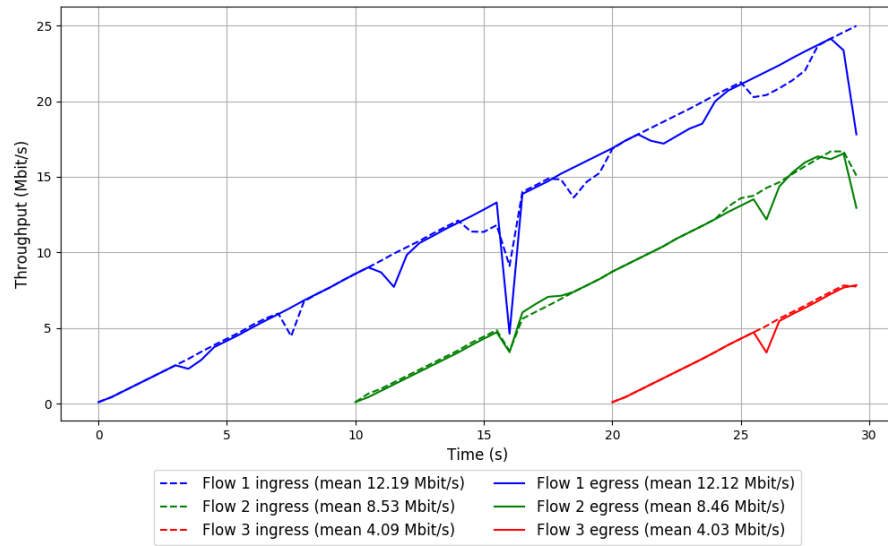


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-06 12:03:13
End at: 2018-03-06 12:03:43
Local clock offset: -6.803 ms
Remote clock offset: -1.08 ms

# Below is generated by plot.py at 2018-03-06 19:44:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 83.372 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 83.647 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 81.662 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 80.386 ms
Loss rate: 3.14%
```


Run 1: Report of LEDBAT — Data Link

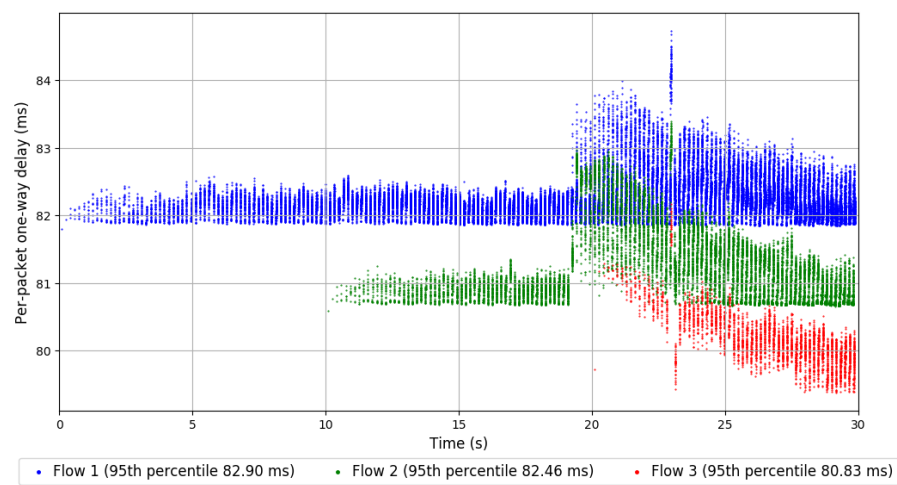
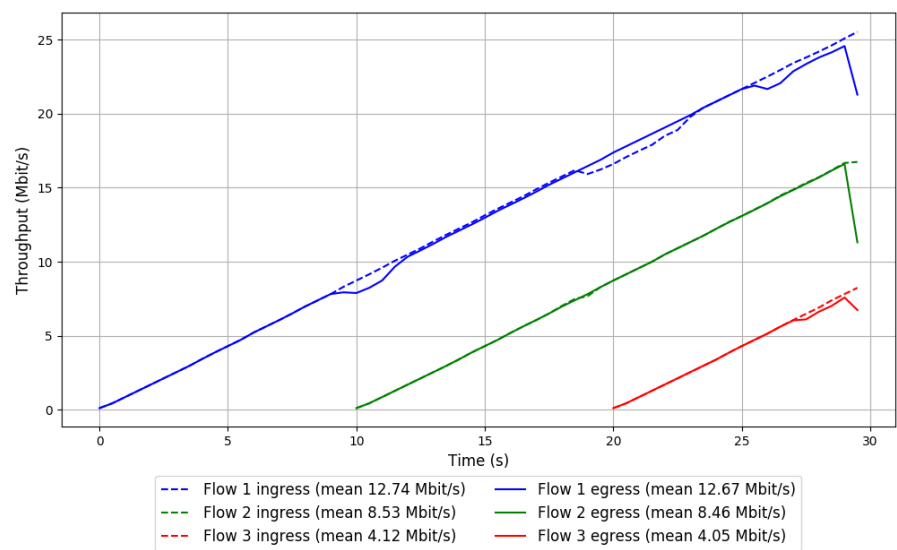


Run 2: Statistics of LEDBAT

Start at: 2018-03-06 12:26:43
End at: 2018-03-06 12:27:13
Local clock offset: -7.238 ms
Remote clock offset: -1.311 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 82.780 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 82.902 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 82.456 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 80.825 ms
Loss rate: 3.41%

Run 2: Report of LEDBAT — Data Link

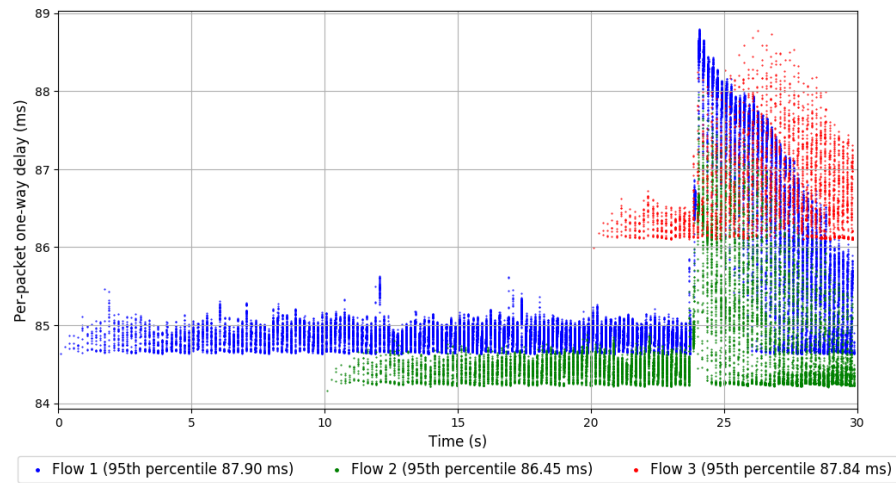
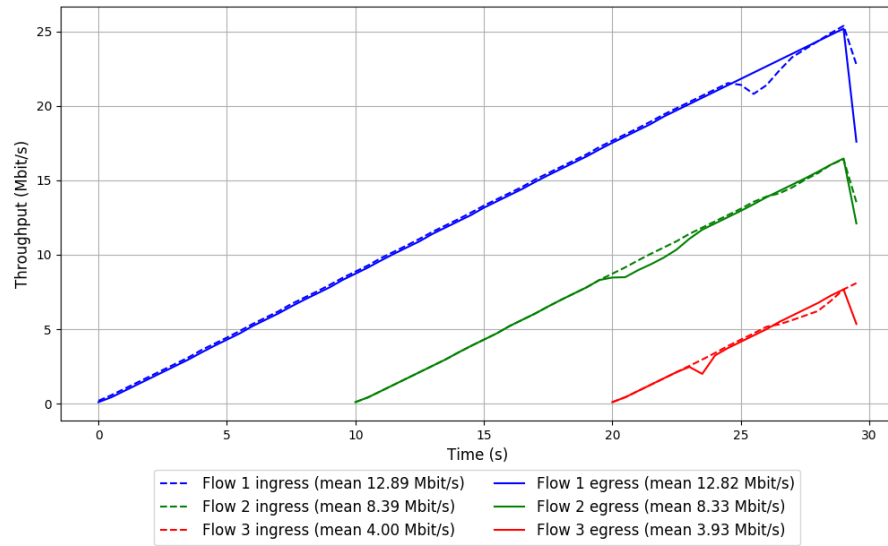


Run 3: Statistics of LEDBAT

Start at: 2018-03-06 12:50:28
End at: 2018-03-06 12:50:58
Local clock offset: -6.736 ms
Remote clock offset: -5.628 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 87.749 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 87.903 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 86.447 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 3.47%

Run 3: Report of LEDBAT — Data Link

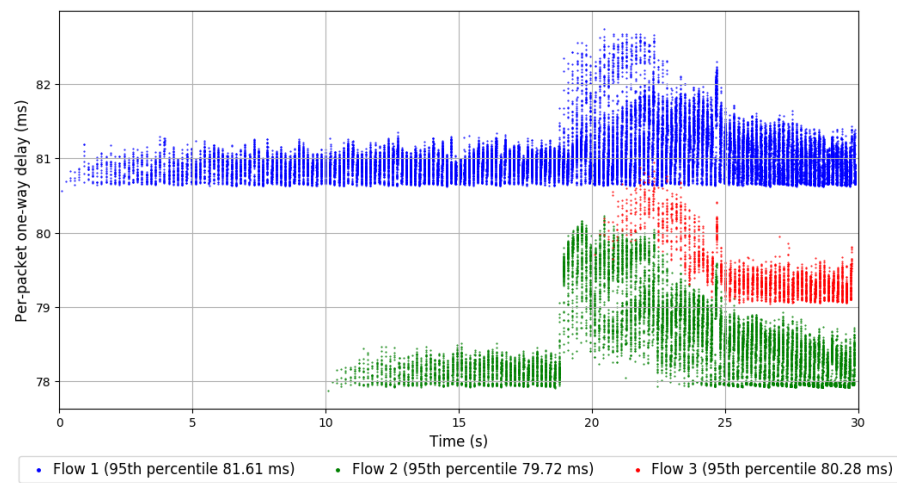
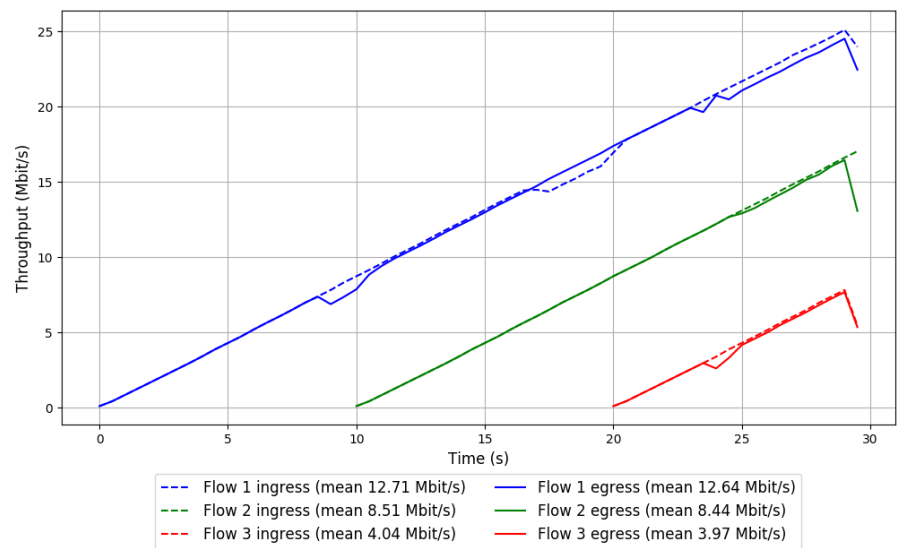


Run 4: Statistics of LEDBAT

Start at: 2018-03-06 13:14:05
End at: 2018-03-06 13:14:35
Local clock offset: -6.747 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 81.478 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 81.615 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 79.715 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 80.280 ms
Loss rate: 3.50%

Run 4: Report of LEDBAT — Data Link

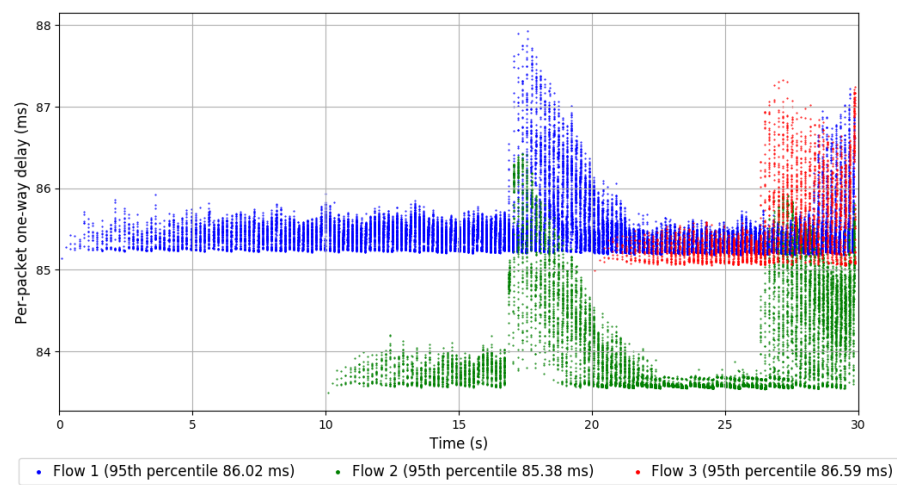
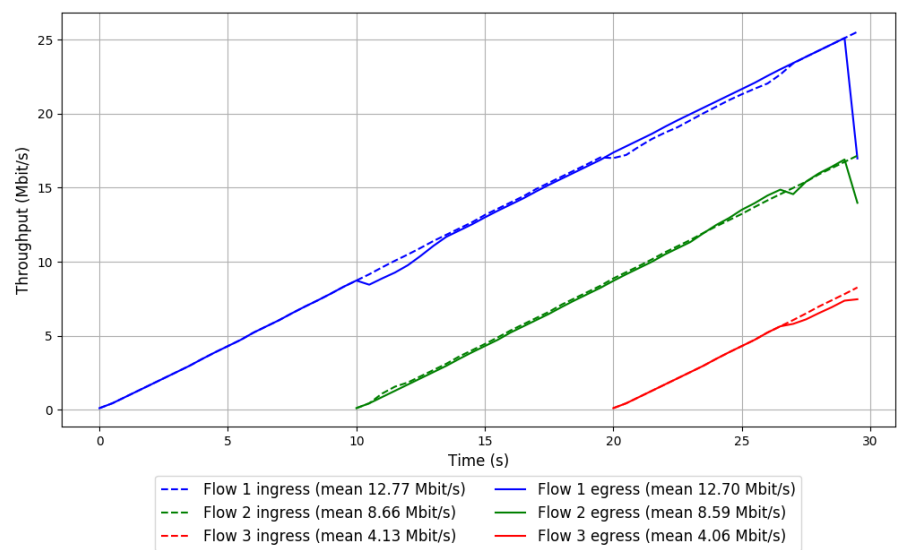


Run 5: Statistics of LEDBAT

Start at: 2018-03-06 13:37:36
End at: 2018-03-06 13:38:06
Local clock offset: -6.599 ms
Remote clock offset: -5.341 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 85.993 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 86.020 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 85.380 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 86.588 ms
Loss rate: 3.43%

Run 5: Report of LEDBAT — Data Link

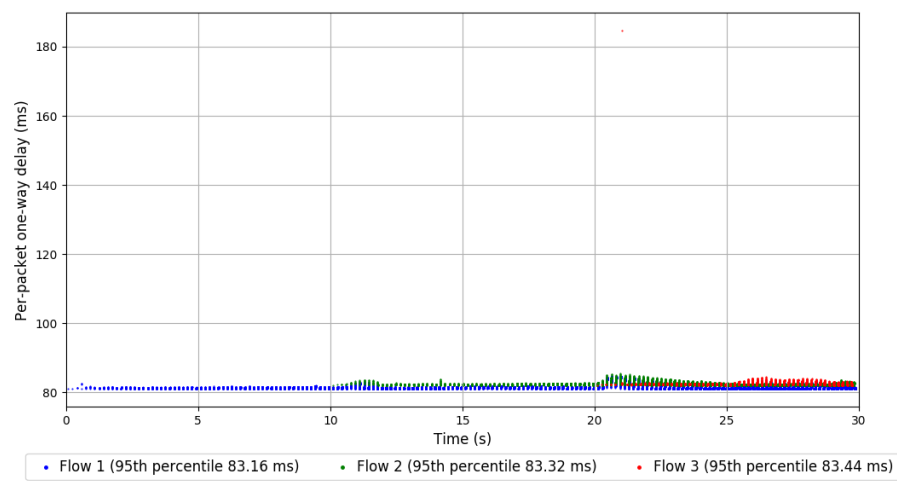
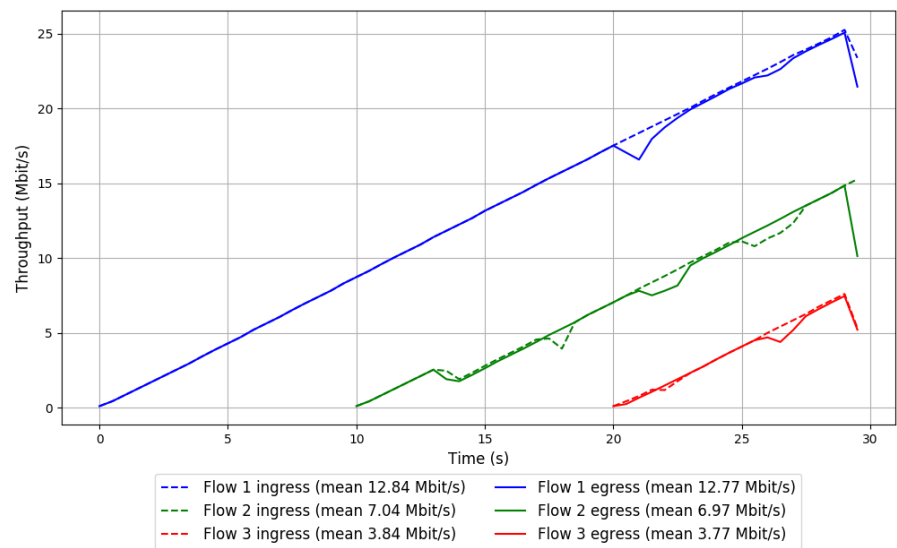


Run 6: Statistics of LEDBAT

Start at: 2018-03-06 14:01:09
End at: 2018-03-06 14:01:39
Local clock offset: -5.932 ms
Remote clock offset: -0.817 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.61 Mbit/s
95th percentile per-packet one-way delay: 83.294 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 83.157 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 83.321 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 83.444 ms
Loss rate: 3.58%

Run 6: Report of LEDBAT — Data Link

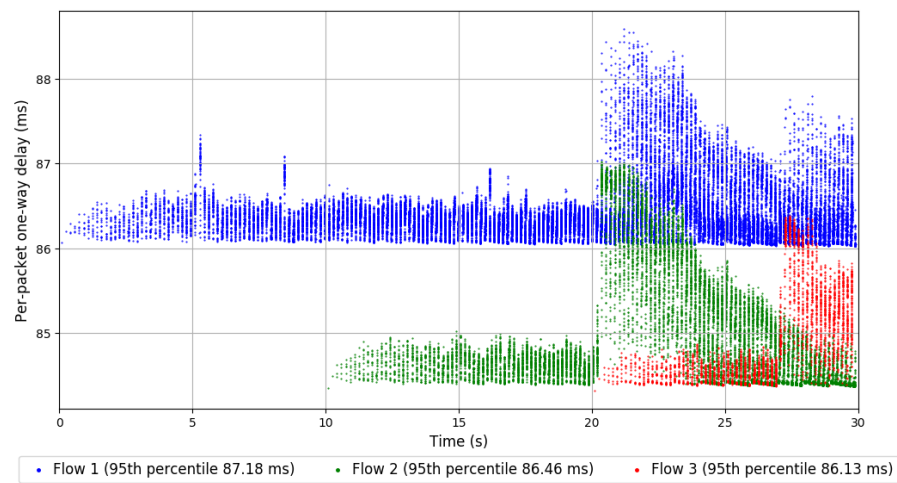
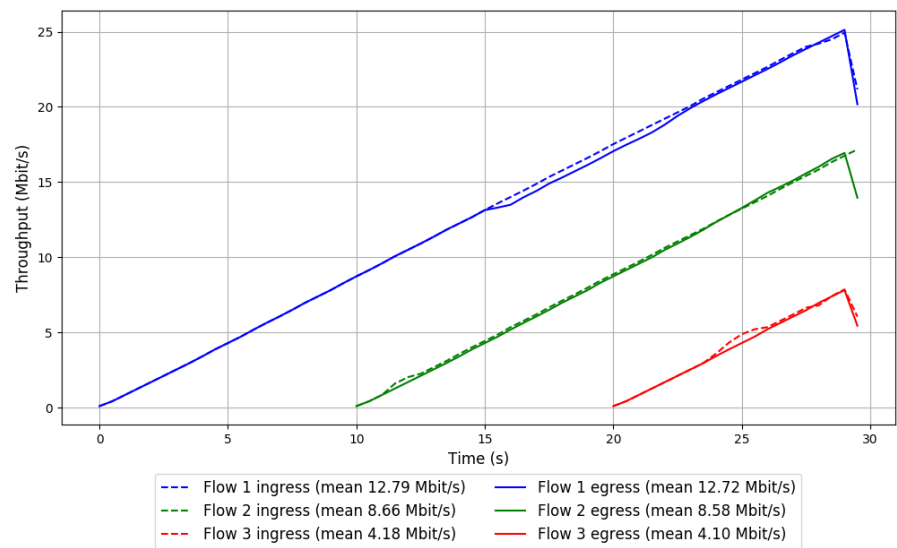


Run 7: Statistics of LEDBAT

Start at: 2018-03-06 14:24:57
End at: 2018-03-06 14:25:27
Local clock offset: -5.812 ms
Remote clock offset: -5.571 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 86.985 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 87.176 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 86.133 ms
Loss rate: 3.40%

Run 7: Report of LEDBAT — Data Link

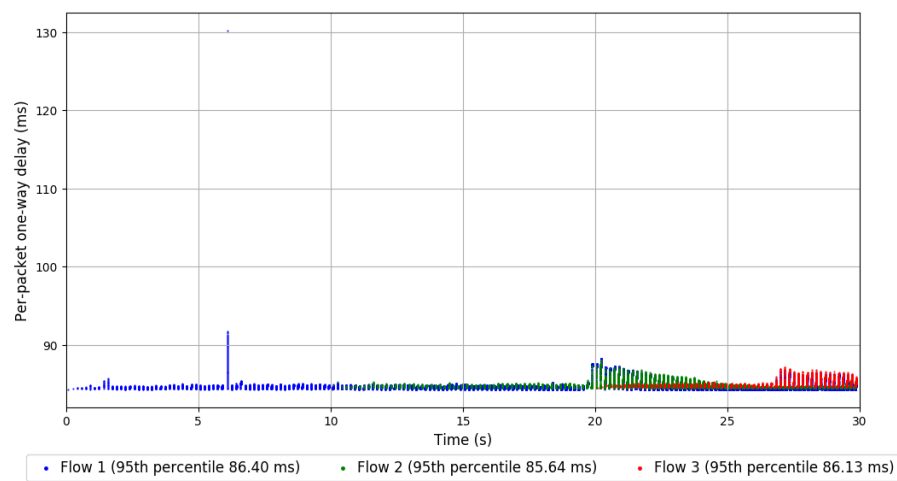
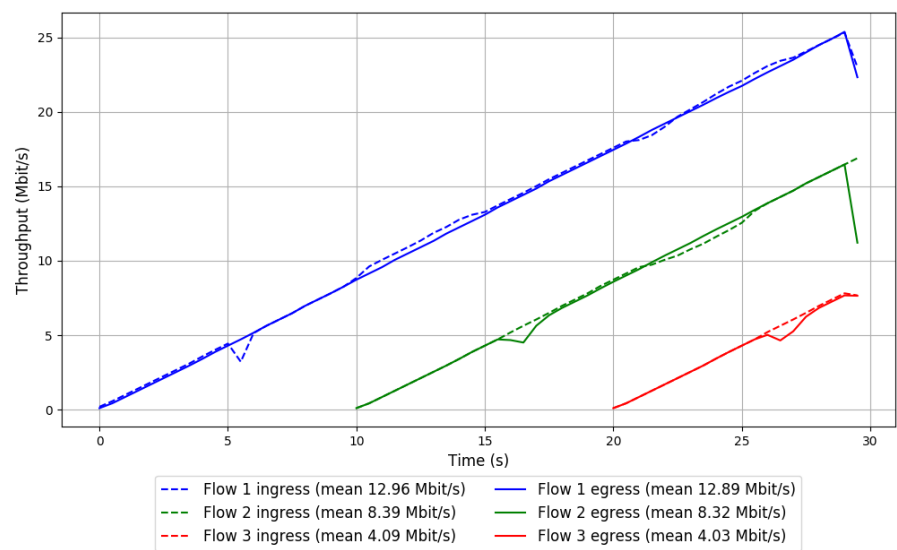


Run 8: Statistics of LEDBAT

Start at: 2018-03-06 14:48:32
End at: 2018-03-06 14:49:02
Local clock offset: -5.889 ms
Remote clock offset: -5.7 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 86.110 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 85.639 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 86.132 ms
Loss rate: 3.28%

Run 8: Report of LEDBAT — Data Link

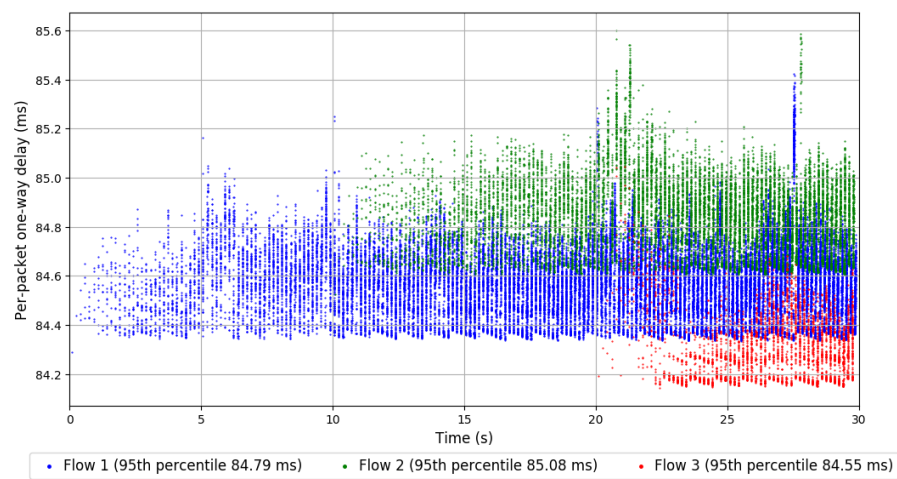
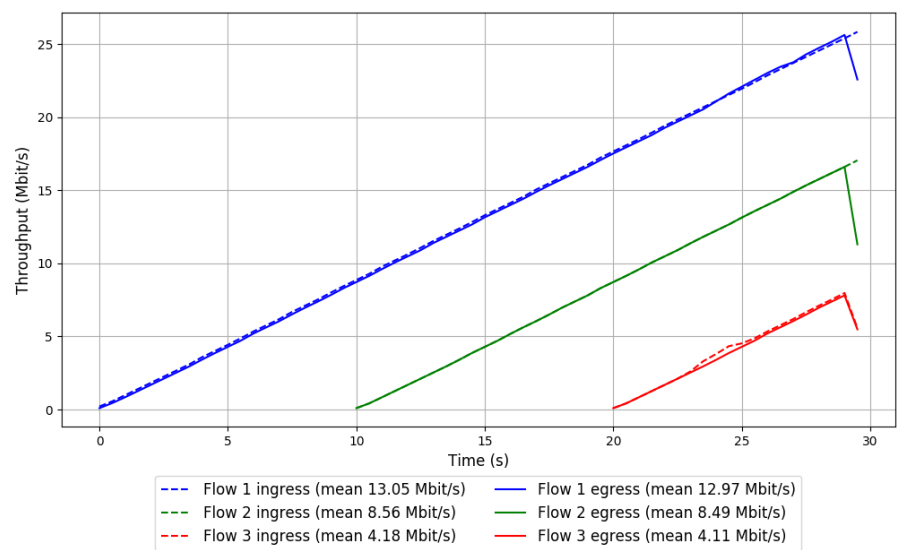


Run 9: Statistics of LEDBAT

Start at: 2018-03-06 15:12:03
End at: 2018-03-06 15:12:33
Local clock offset: -6.121 ms
Remote clock offset: -5.768 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 84.988 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 84.793 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 85.083 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 84.552 ms
Loss rate: 3.43%

Run 9: Report of LEDBAT — Data Link

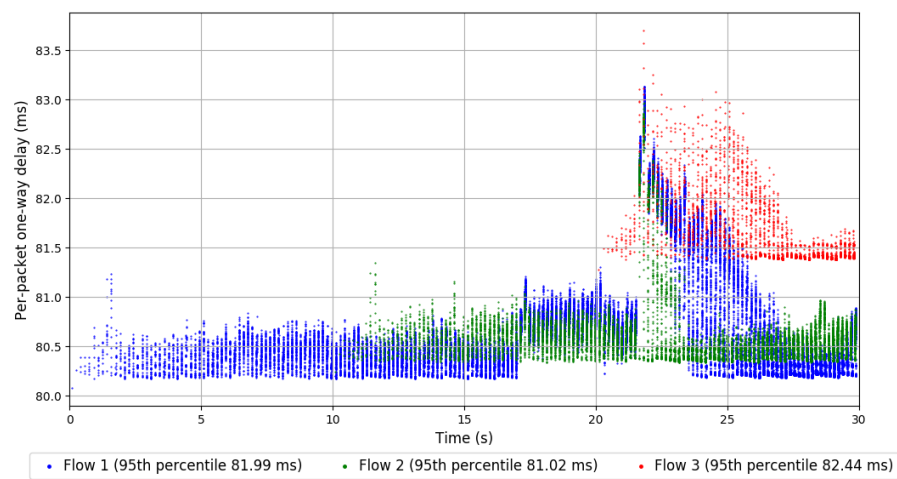
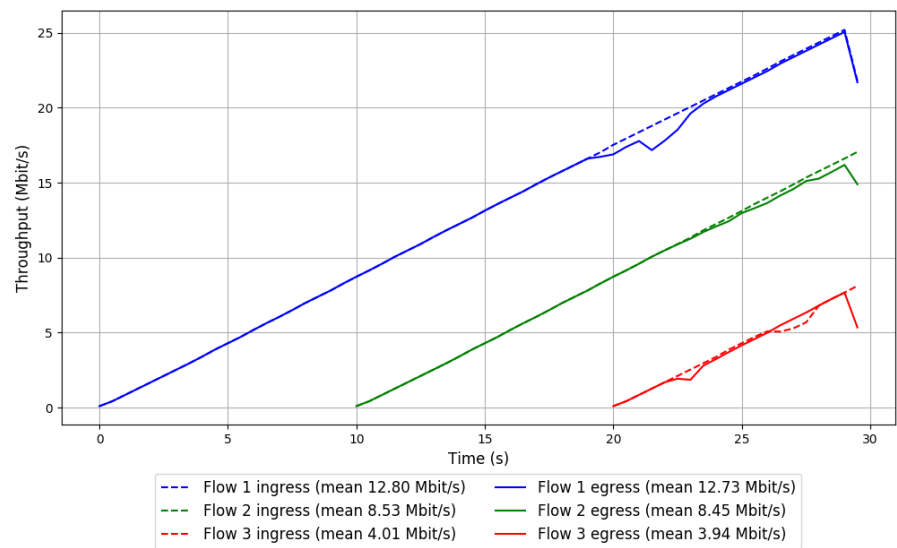


Run 10: Statistics of LEDBAT

Start at: 2018-03-06 15:35:39
End at: 2018-03-06 15:36:09
Local clock offset: -6.397 ms
Remote clock offset: -0.761 ms

Below is generated by plot.py at 2018-03-06 19:44:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 81.997 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 81.986 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 81.020 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 82.442 ms
Loss rate: 3.50%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-03-06 11:58:00

End at: 2018-03-06 11:58:30

Local clock offset: -6.611 ms

Remote clock offset: -6.01 ms

Run 1: Report of PCC — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC

Start at: 2018-03-06 12:21:27

End at: 2018-03-06 12:21:57

Local clock offset: -7.149 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-03-06 19:45:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 113.229 ms

Loss rate: 4.88%

-- Flow 1:

Average throughput: 56.78 Mbit/s

95th percentile per-packet one-way delay: 112.389 ms

Loss rate: 4.81%

-- Flow 2:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 112.277 ms

Loss rate: 1.09%

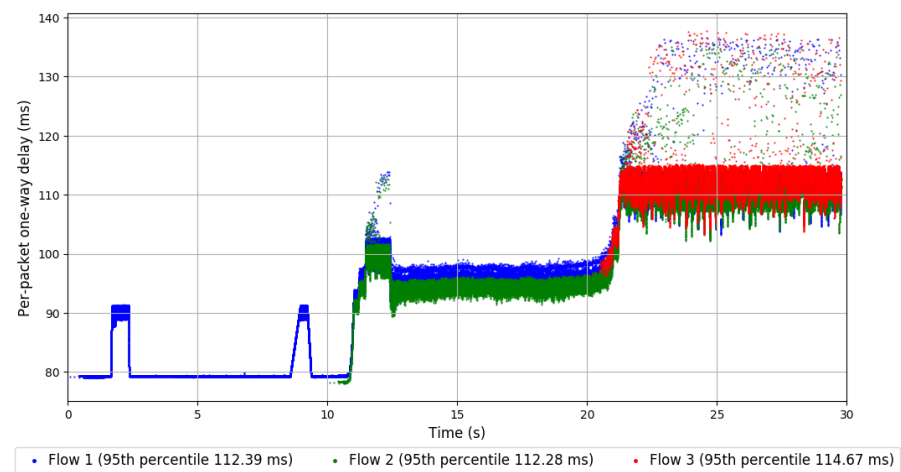
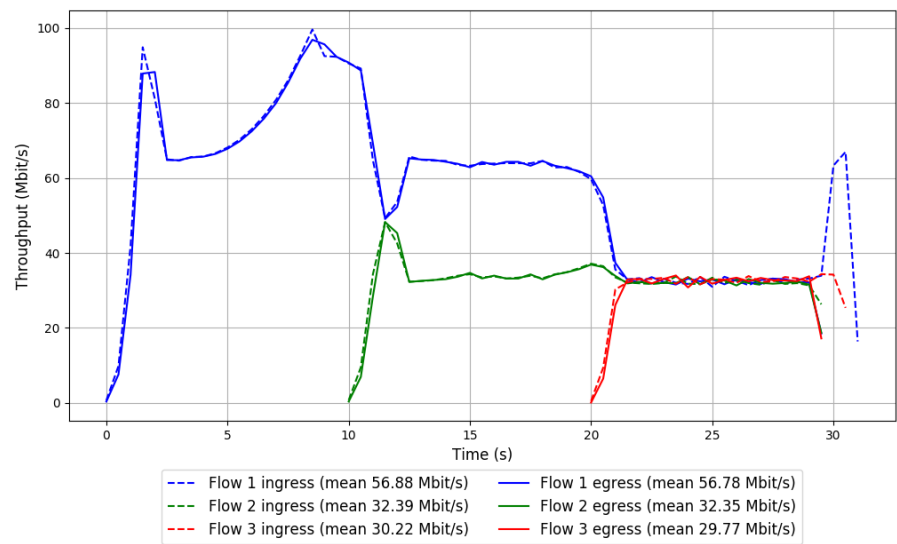
-- Flow 3:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 114.670 ms

Loss rate: 12.69%

Run 2: Report of PCC — Data Link

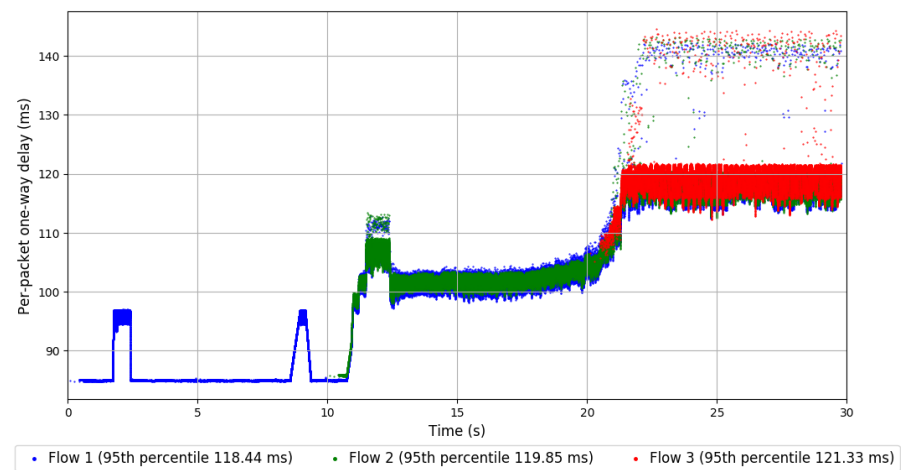
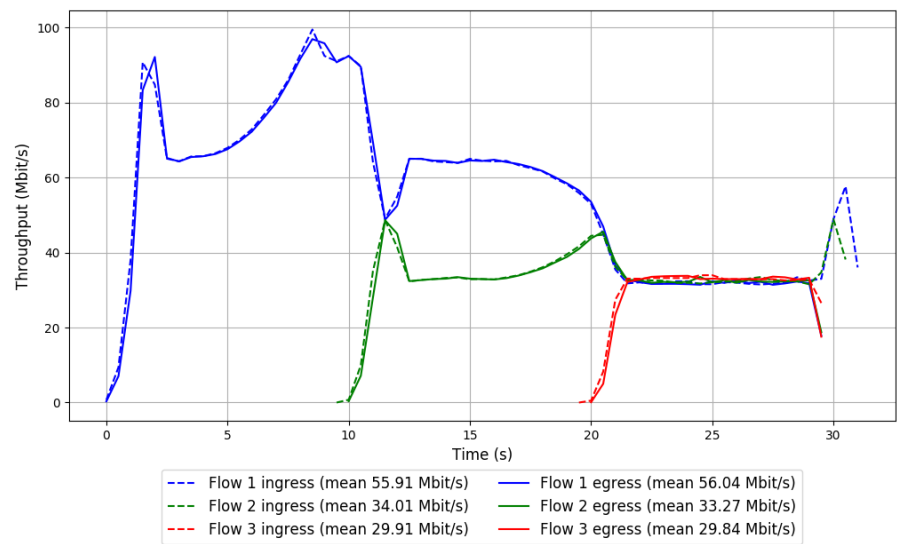


Run 3: Statistics of PCC

Start at: 2018-03-06 12:45:10
End at: 2018-03-06 12:45:40
Local clock offset: -6.841 ms
Remote clock offset: -6.189 ms

Below is generated by plot.py at 2018-03-06 19:45:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 119.915 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 118.437 ms
Loss rate: 4.76%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 119.847 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 121.326 ms
Loss rate: 2.63%

Run 3: Report of PCC — Data Link

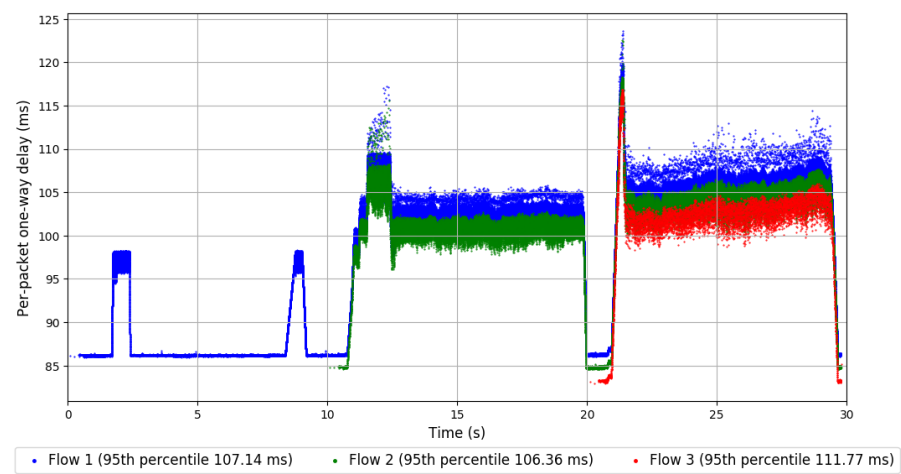
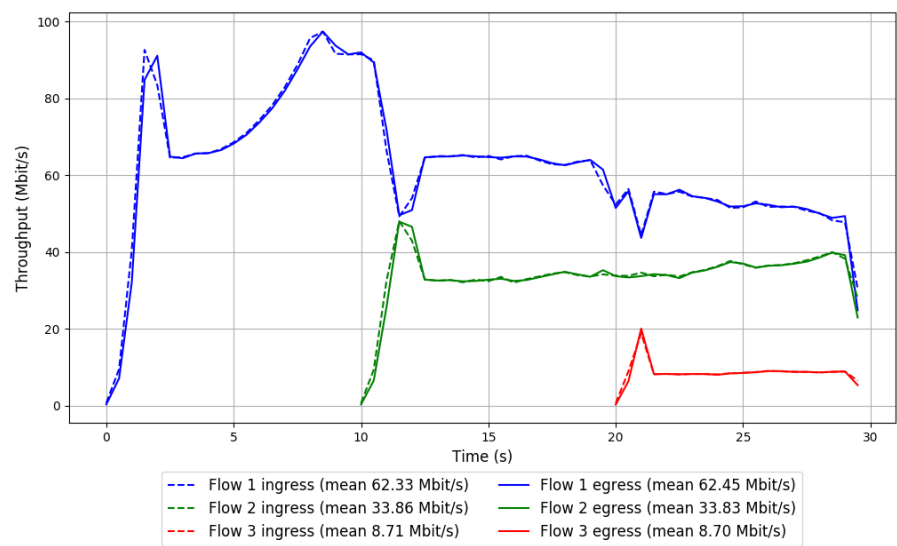


Run 4: Statistics of PCC

Start at: 2018-03-06 13:08:48
End at: 2018-03-06 13:09:18
Local clock offset: -6.733 ms
Remote clock offset: -5.774 ms

Below is generated by plot.py at 2018-03-06 19:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 106.978 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 107.141 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 106.361 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 111.769 ms
Loss rate: 1.71%

Run 4: Report of PCC — Data Link

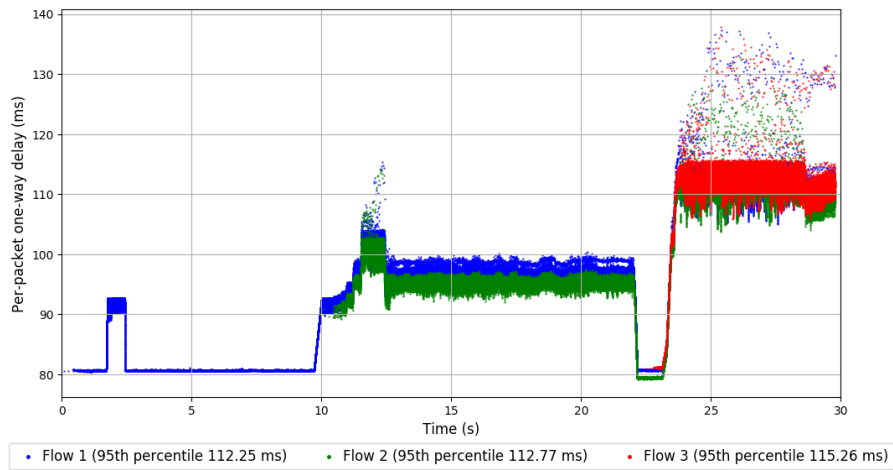
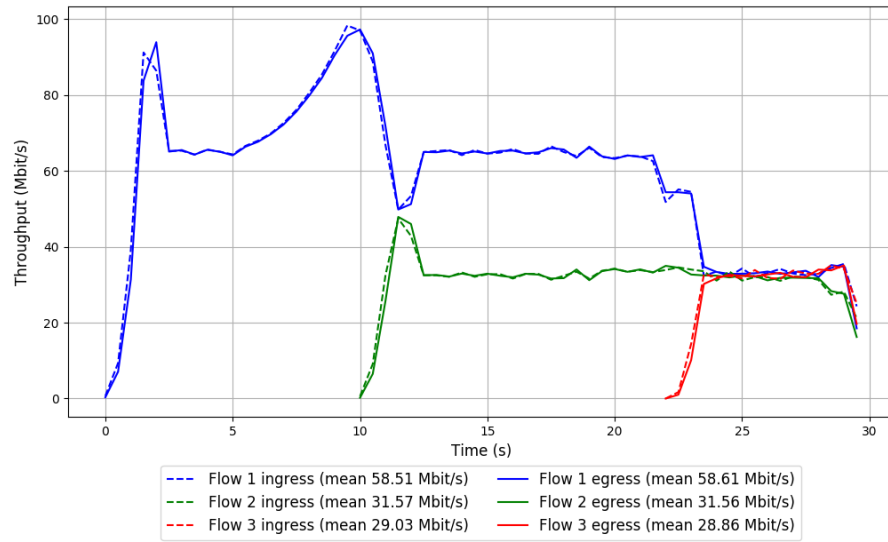


Run 5: Statistics of PCC

Start at: 2018-03-06 13:32:21
End at: 2018-03-06 13:32:51
Local clock offset: -6.759 ms
Remote clock offset: -1.338 ms

Below is generated by plot.py at 2018-03-06 19:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 113.390 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 112.250 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 112.773 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 28.86 Mbit/s
95th percentile per-packet one-way delay: 115.259 ms
Loss rate: 3.05%

Run 5: Report of PCC — Data Link

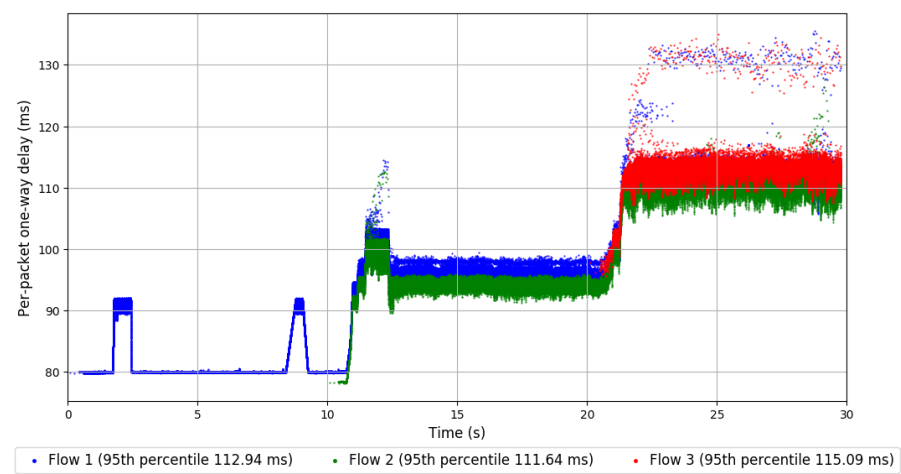
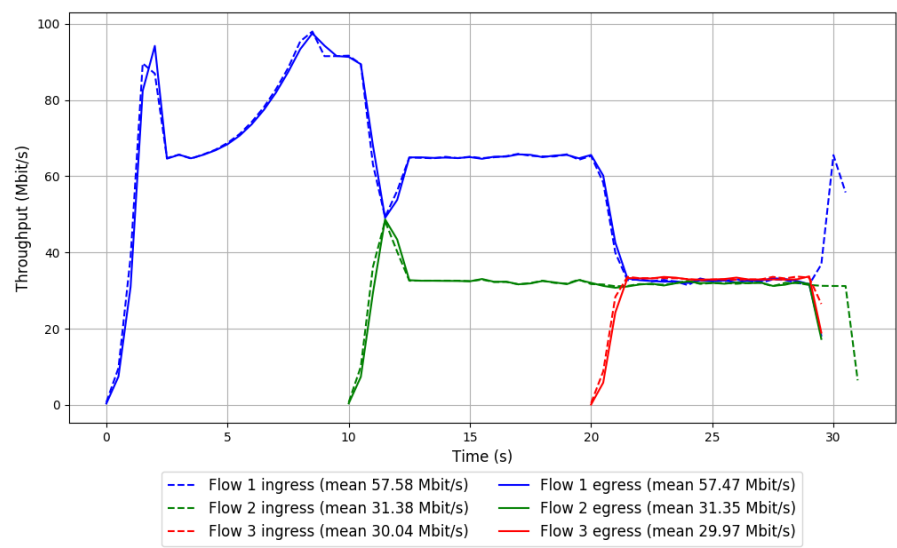


Run 6: Statistics of PCC

Start at: 2018-03-06 13:55:52
End at: 2018-03-06 13:56:22
Local clock offset: -5.983 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-03-06 19:45:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.00 Mbit/s
95th percentile per-packet one-way delay: 113.637 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 112.935 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 111.638 ms
Loss rate: 6.76%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 115.095 ms
Loss rate: 2.61%

Run 6: Report of PCC — Data Link

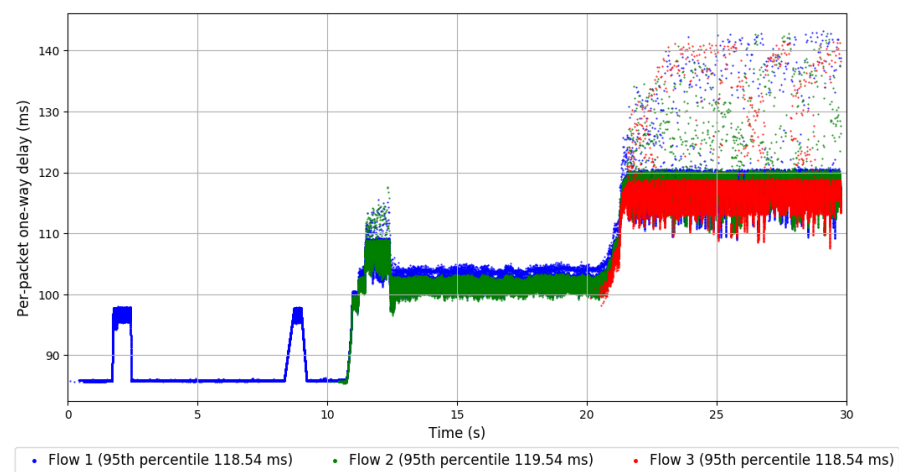
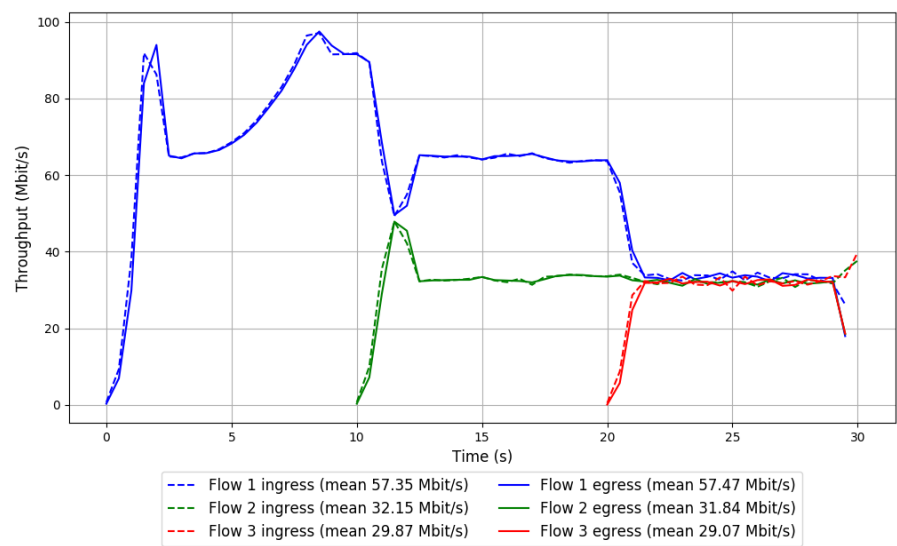


Run 7: Statistics of PCC

Start at: 2018-03-06 14:19:38
End at: 2018-03-06 14:20:08
Local clock offset: -5.878 ms
Remote clock offset: -5.445 ms

Below is generated by plot.py at 2018-03-06 19:45:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: 118.940 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 57.47 Mbit/s
95th percentile per-packet one-way delay: 118.542 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 119.539 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 118.542 ms
Loss rate: 10.04%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-03-06 14:43:17

End at: 2018-03-06 14:43:47

Local clock offset: -5.814 ms

Remote clock offset: -5.7 ms

Below is generated by plot.py at 2018-03-06 19:45:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 118.519 ms

Loss rate: 4.53%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 119.186 ms

Loss rate: 4.26%

-- Flow 2:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 117.603 ms

Loss rate: 6.10%

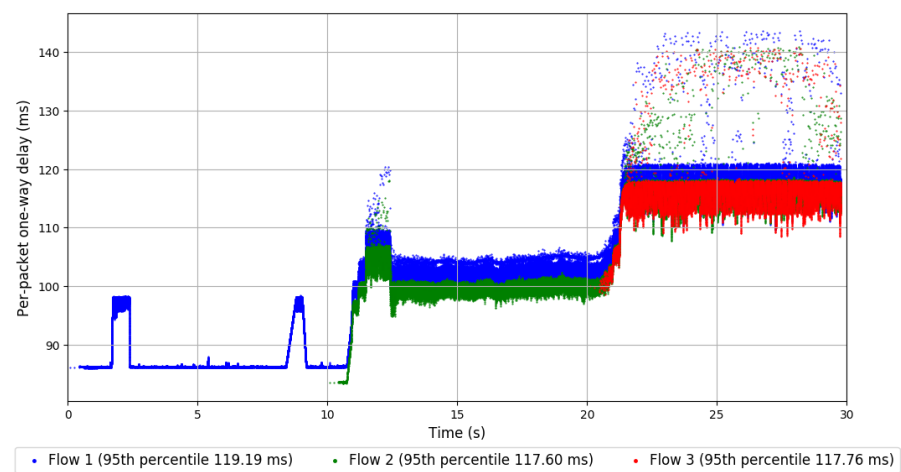
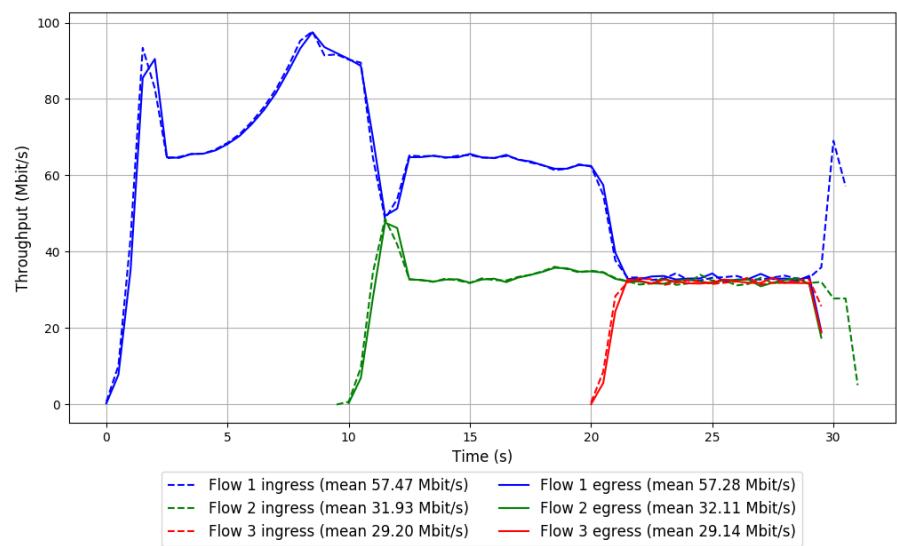
-- Flow 3:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 117.763 ms

Loss rate: 2.57%

Run 8: Report of PCC — Data Link

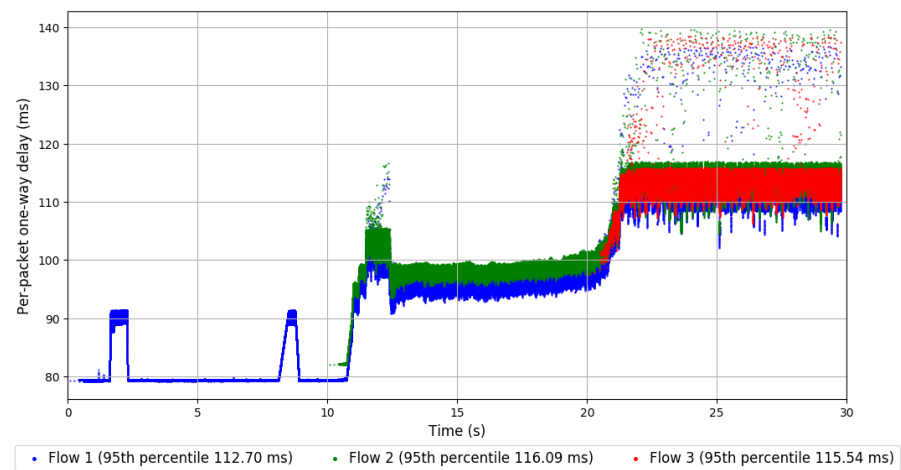
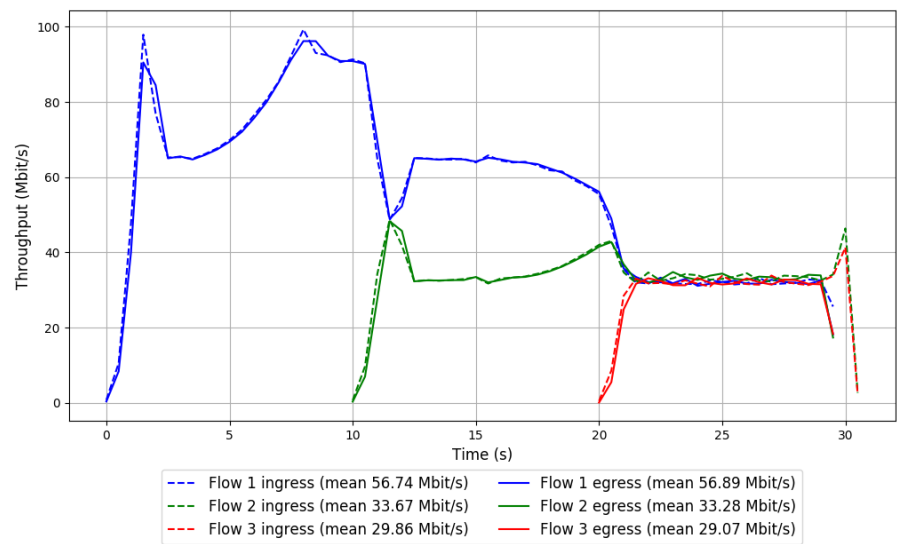


Run 9: Statistics of PCC

Start at: 2018-03-06 15:06:47
End at: 2018-03-06 15:07:17
Local clock offset: -6.023 ms
Remote clock offset: -1.775 ms

Below is generated by plot.py at 2018-03-06 19:45:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 115.072 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 112.697 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 116.092 ms
Loss rate: 5.24%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 115.538 ms
Loss rate: 10.56%

Run 9: Report of PCC — Data Link

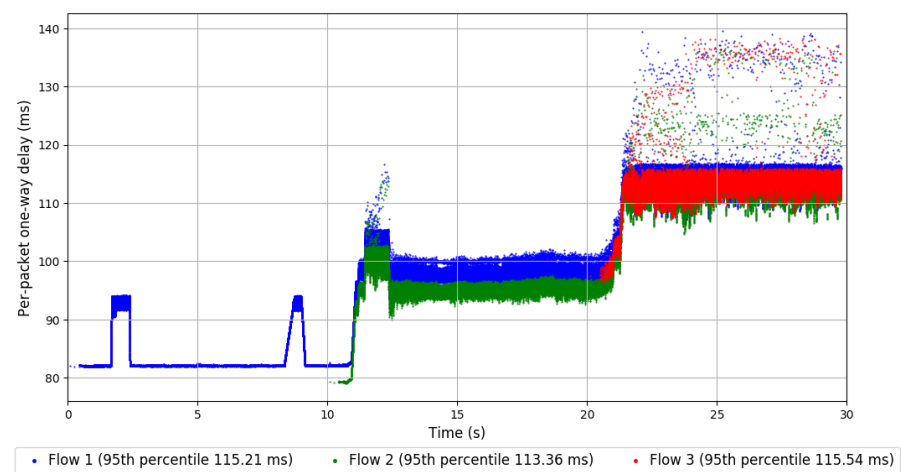
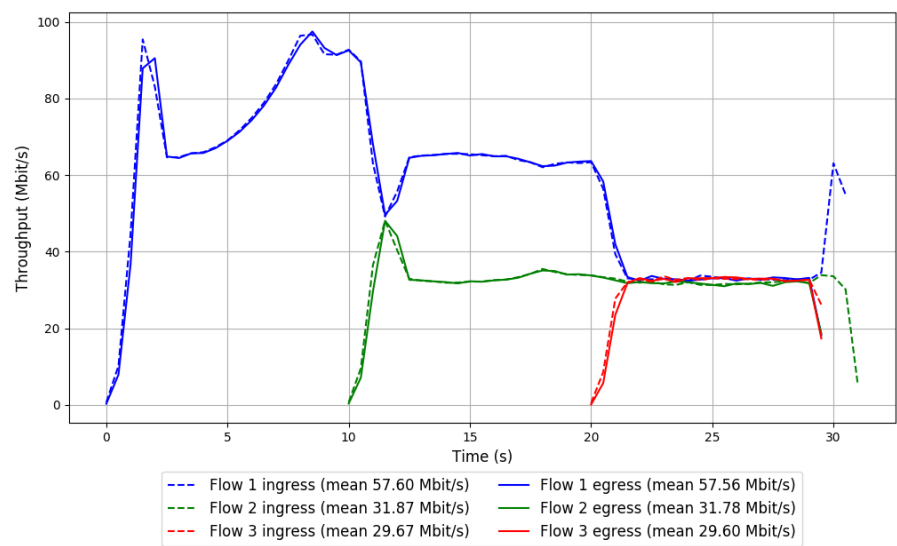


Run 10: Statistics of PCC

Start at: 2018-03-06 15:30:23
End at: 2018-03-06 15:30:53
Local clock offset: -6.301 ms
Remote clock offset: -1.782 ms

Below is generated by plot.py at 2018-03-06 19:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 115.107 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 115.211 ms
Loss rate: 3.98%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 113.359 ms
Loss rate: 6.90%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 115.539 ms
Loss rate: 2.63%

Run 10: Report of PCC — Data Link

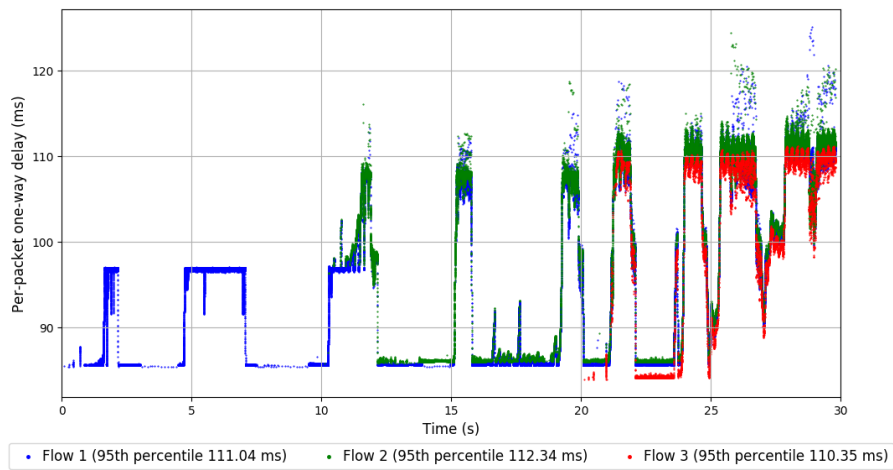
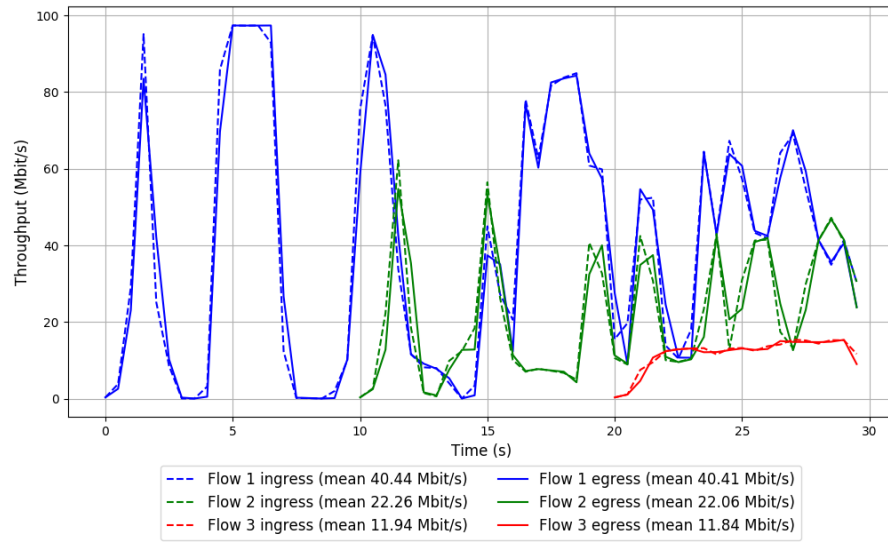


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-06 11:46:09
End at: 2018-03-06 11:46:39
Local clock offset: -6.3 ms
Remote clock offset: -6.221 ms

Below is generated by plot.py at 2018-03-06 19:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 111.629 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 111.037 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 22.06 Mbit/s
95th percentile per-packet one-way delay: 112.336 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 110.346 ms
Loss rate: 2.52%

Run 1: Report of QUIC Cubic — Data Link

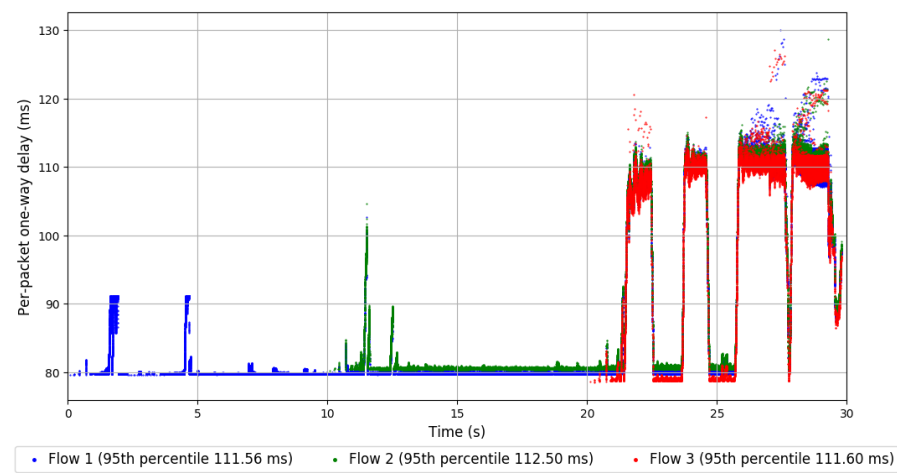
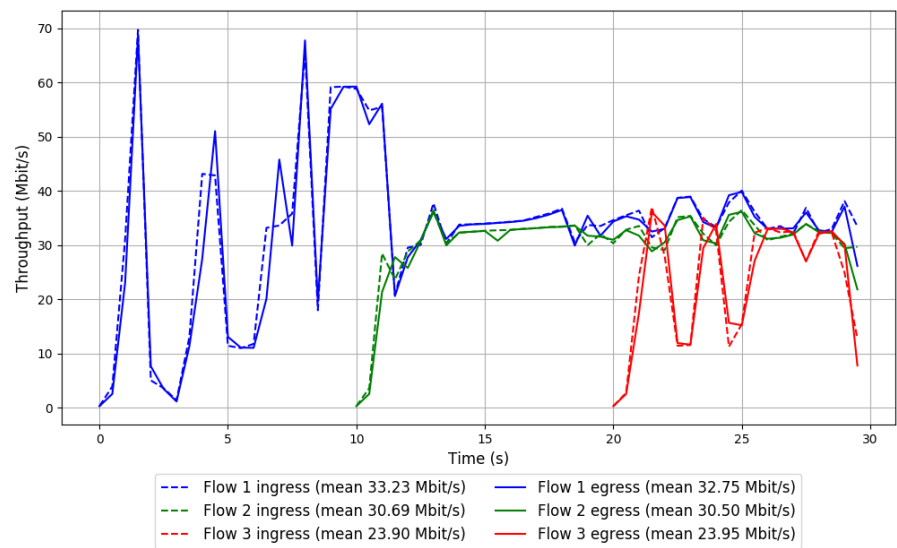


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-06 12:09:41
End at: 2018-03-06 12:10:11
Local clock offset: -6.984 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-03-06 19:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 111.962 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 111.561 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 112.501 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 111.601 ms
Loss rate: 1.48%

Run 2: Report of QUIC Cubic — Data Link

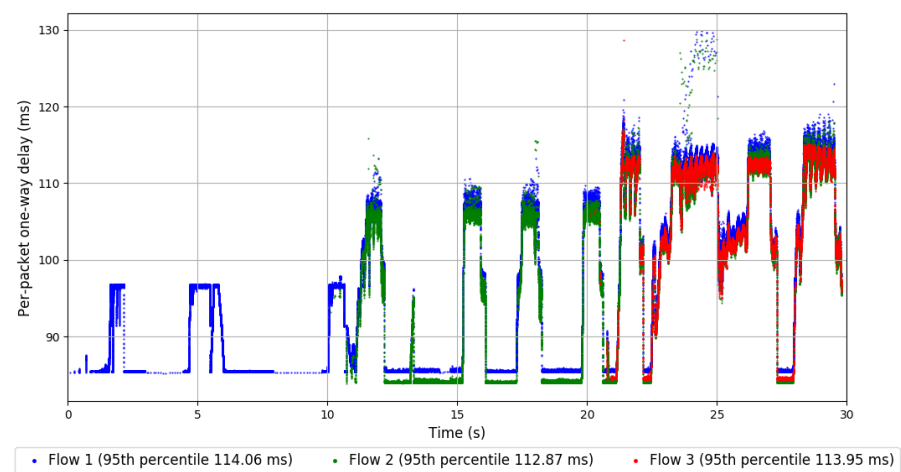
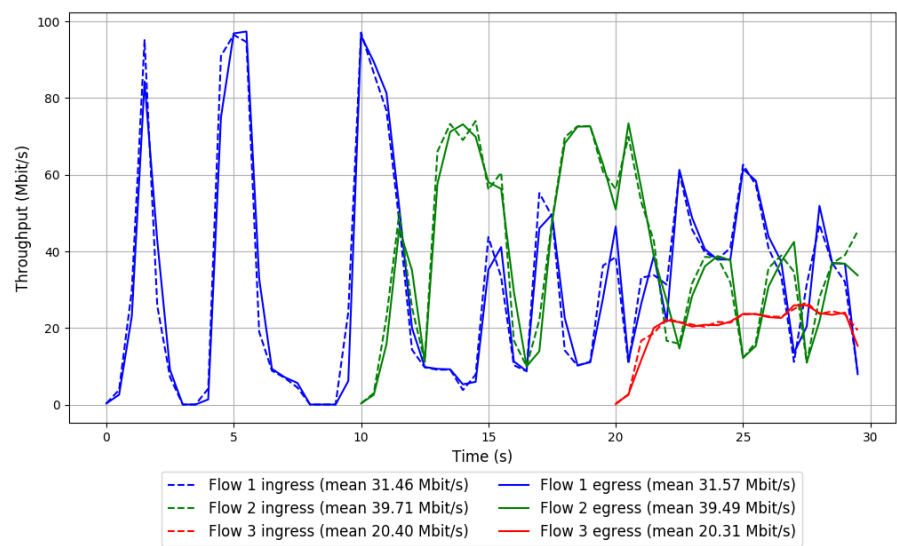


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-06 12:33:11
End at: 2018-03-06 12:33:41
Local clock offset: -6.947 ms
Remote clock offset: -6.097 ms

Below is generated by plot.py at 2018-03-06 19:46:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.34 Mbit/s
95th percentile per-packet one-way delay: 113.725 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 114.059 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 112.868 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 113.952 ms
Loss rate: 2.32%

Run 3: Report of QUIC Cubic — Data Link

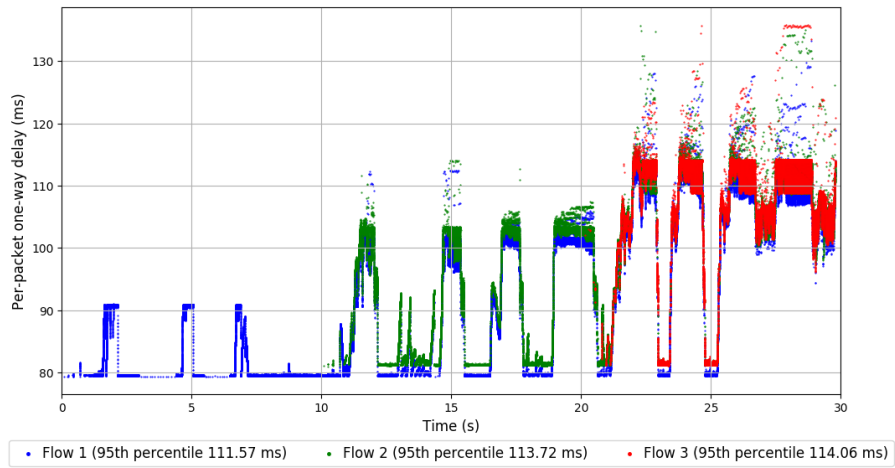
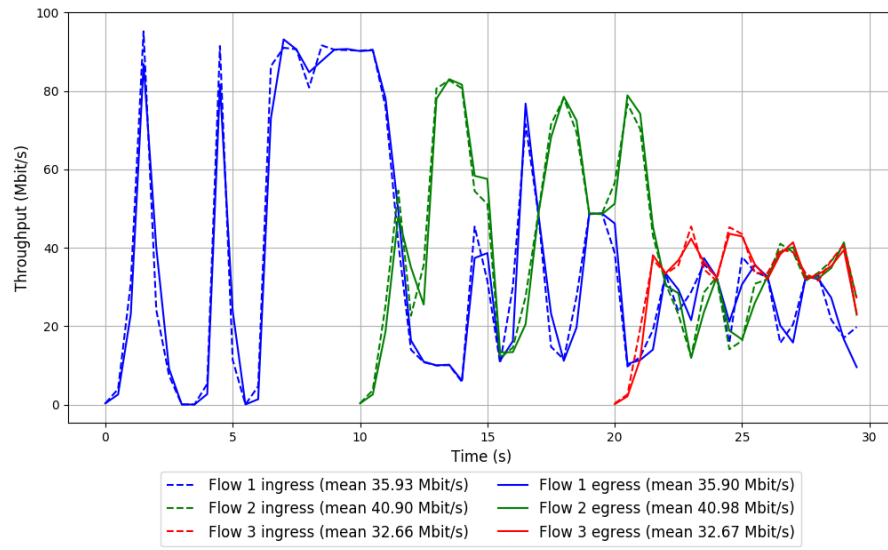


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-06 12:56:58
End at: 2018-03-06 12:57:28
Local clock offset: -6.765 ms
Remote clock offset: -1.733 ms

Below is generated by plot.py at 2018-03-06 19:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 113.540 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 111.566 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 113.723 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 114.064 ms
Loss rate: 2.03%

Run 4: Report of QUIC Cubic — Data Link

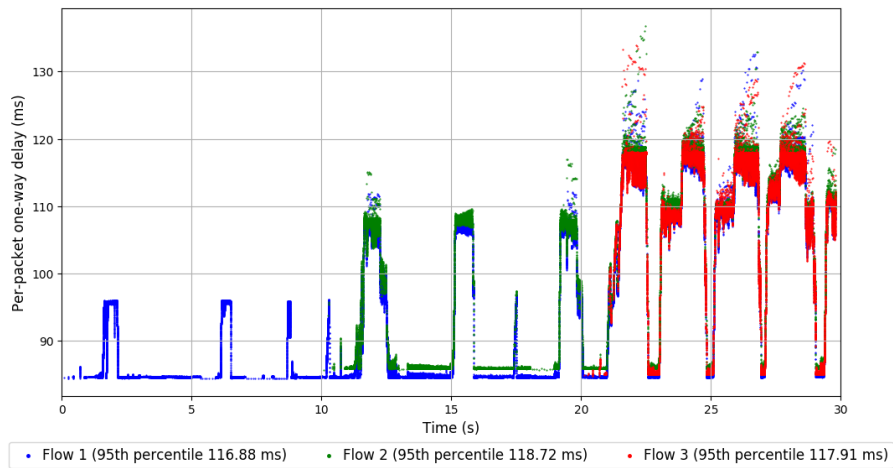
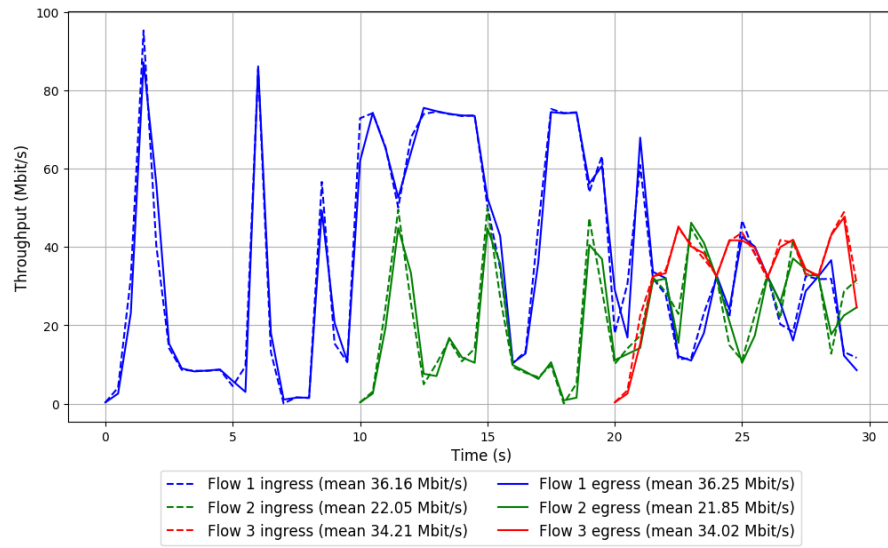


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-06 13:20:33
End at: 2018-03-06 13:21:03
Local clock offset: -6.742 ms
Remote clock offset: -5.613 ms

Below is generated by plot.py at 2018-03-06 19:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 117.898 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 116.877 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 118.721 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 117.909 ms
Loss rate: 2.26%

Run 5: Report of QUIC Cubic — Data Link

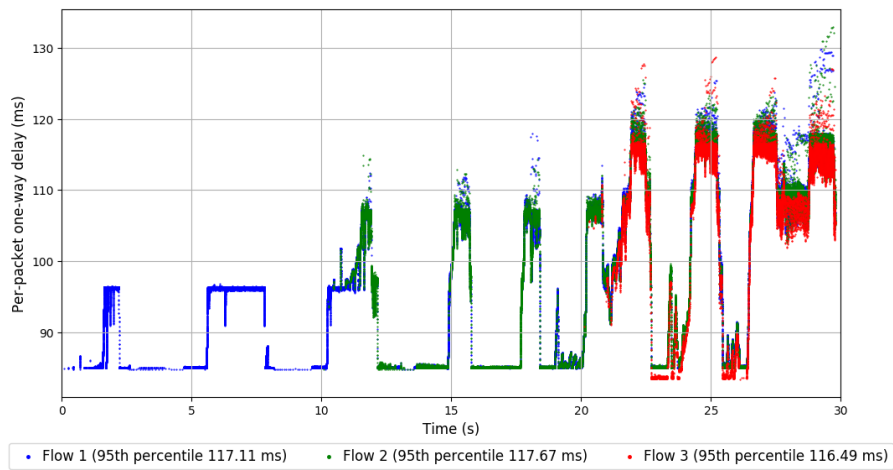
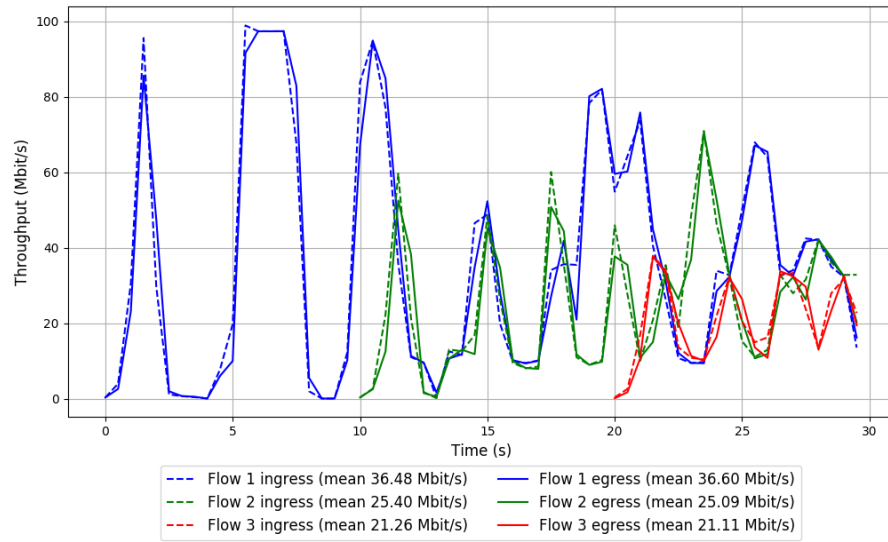


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-06 13:44:04
End at: 2018-03-06 13:44:34
Local clock offset: -6.225 ms
Remote clock offset: -5.273 ms

Below is generated by plot.py at 2018-03-06 19:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 117.357 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 117.111 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 117.672 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 116.487 ms
Loss rate: 2.38%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-06 14:07:37

End at: 2018-03-06 14:08:07

Local clock offset: -5.777 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2018-03-06 19:47:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.26 Mbit/s

95th percentile per-packet one-way delay: 112.102 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 112.329 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 26.25 Mbit/s

95th percentile per-packet one-way delay: 111.974 ms

Loss rate: 1.46%

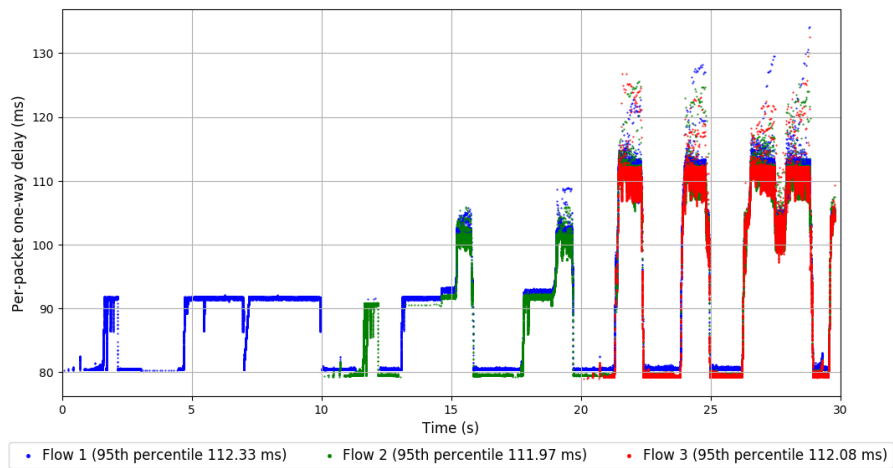
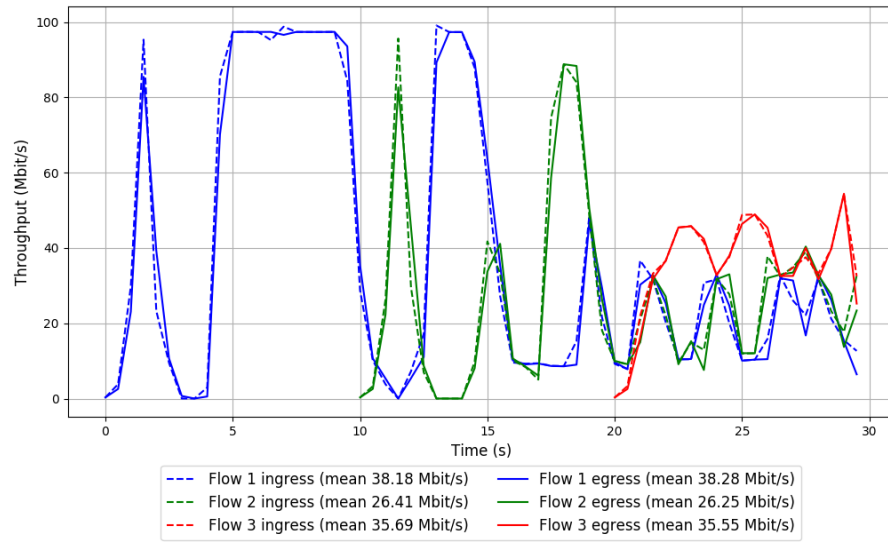
-- Flow 3:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 112.077 ms

Loss rate: 2.18%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-06 14:31:27

End at: 2018-03-06 14:31:57

Local clock offset: -5.805 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2018-03-06 19:47:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 111.170 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 36.89 Mbit/s

95th percentile per-packet one-way delay: 109.841 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 110.124 ms

Loss rate: 0.79%

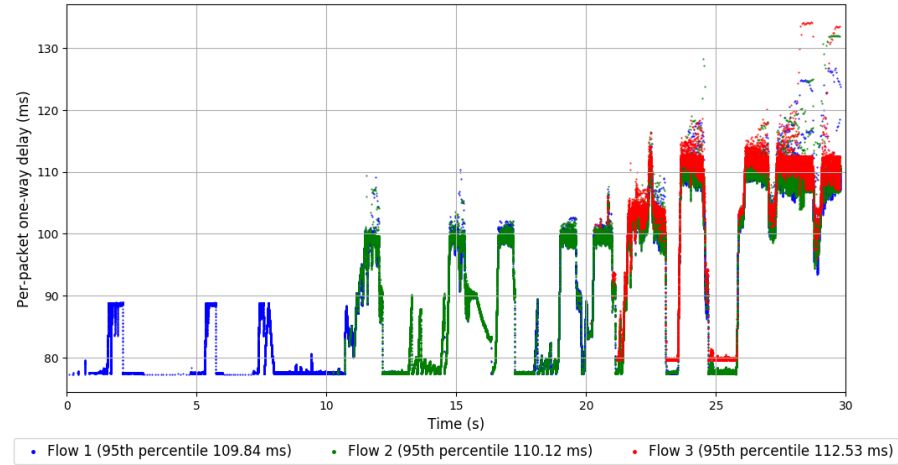
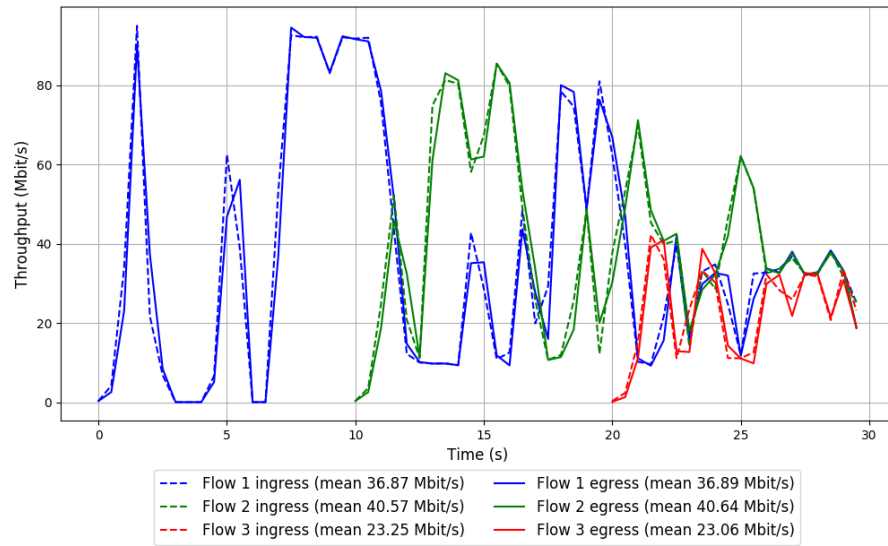
-- Flow 3:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 112.528 ms

Loss rate: 2.77%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-03-06 14:55:00

End at: 2018-03-06 14:55:30

Local clock offset: -5.986 ms

Remote clock offset: -6.72 ms

Below is generated by plot.py at 2018-03-06 19:48:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.47 Mbit/s

95th percentile per-packet one-way delay: 118.674 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 118.416 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 34.38 Mbit/s

95th percentile per-packet one-way delay: 118.174 ms

Loss rate: 0.93%

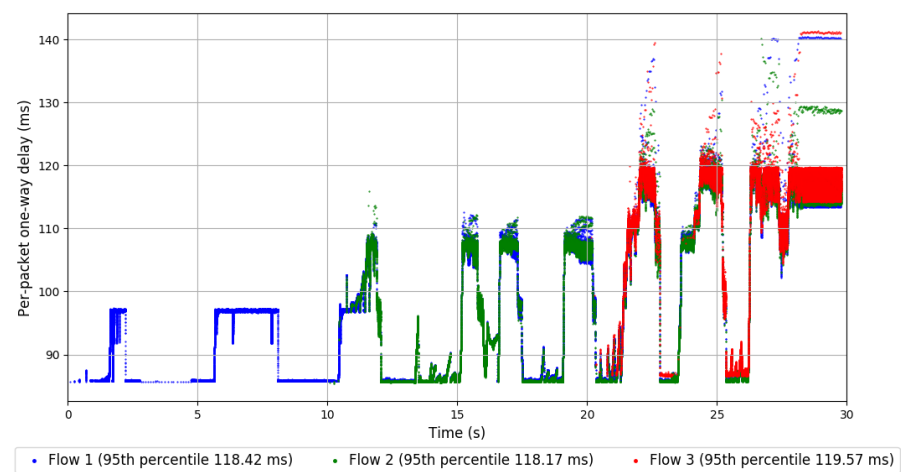
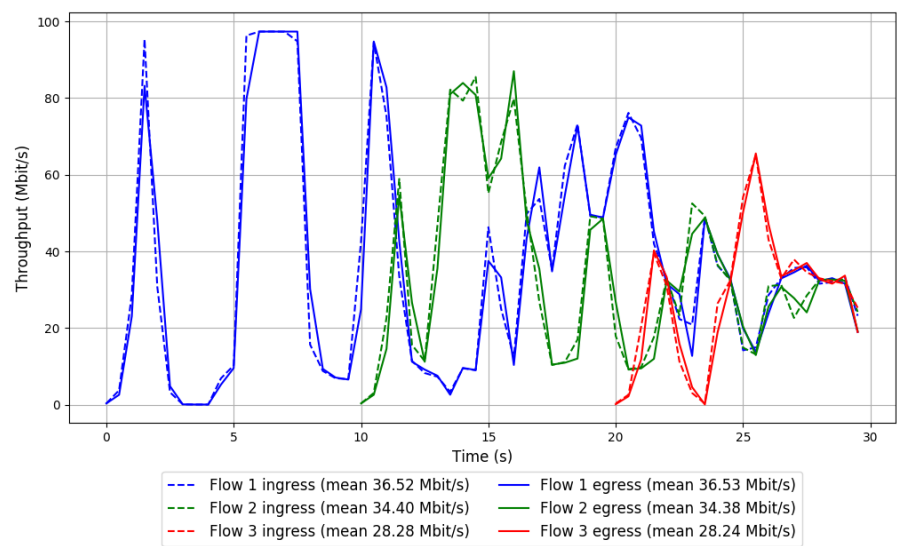
-- Flow 3:

Average throughput: 28.24 Mbit/s

95th percentile per-packet one-way delay: 119.570 ms

Loss rate: 2.27%

Run 9: Report of QUIC Cubic — Data Link

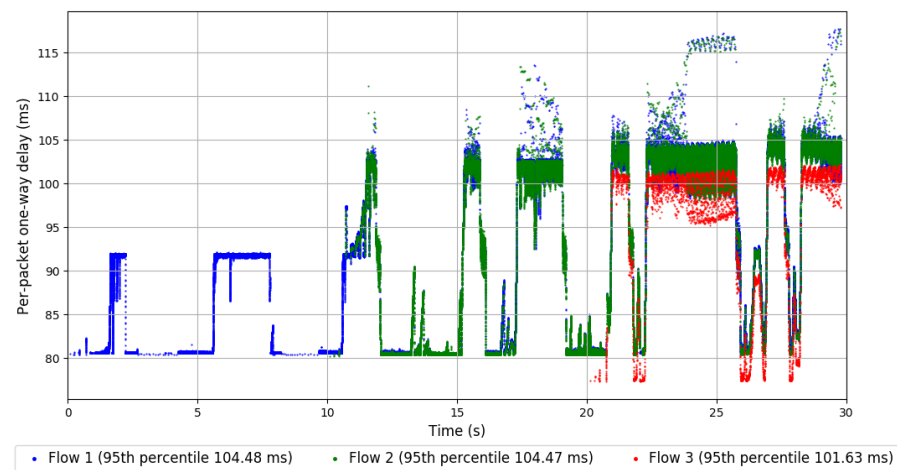
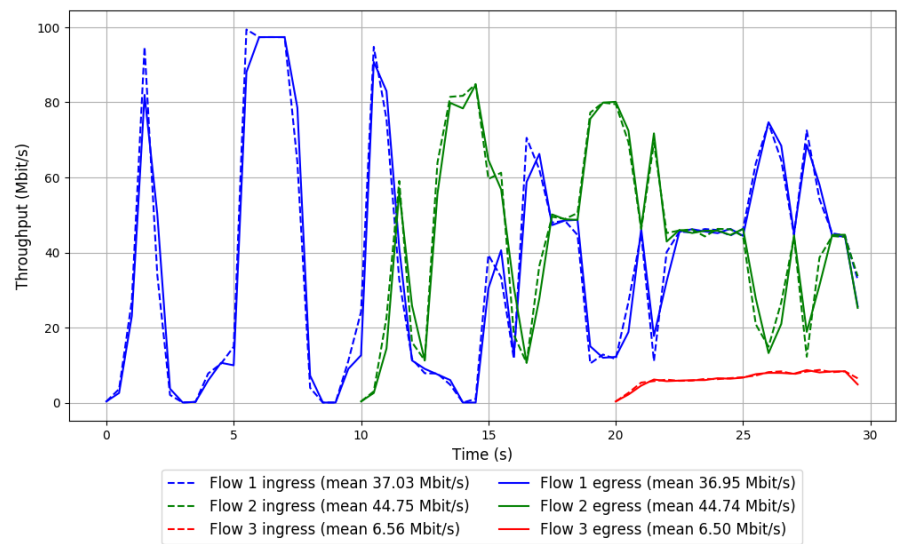


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-06 15:18:33
End at: 2018-03-06 15:19:03
Local clock offset: -6.059 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.71 Mbit/s
95th percentile per-packet one-way delay: 104.458 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 104.478 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 104.471 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 101.629 ms
Loss rate: 2.55%

Run 10: Report of QUIC Cubic — Data Link

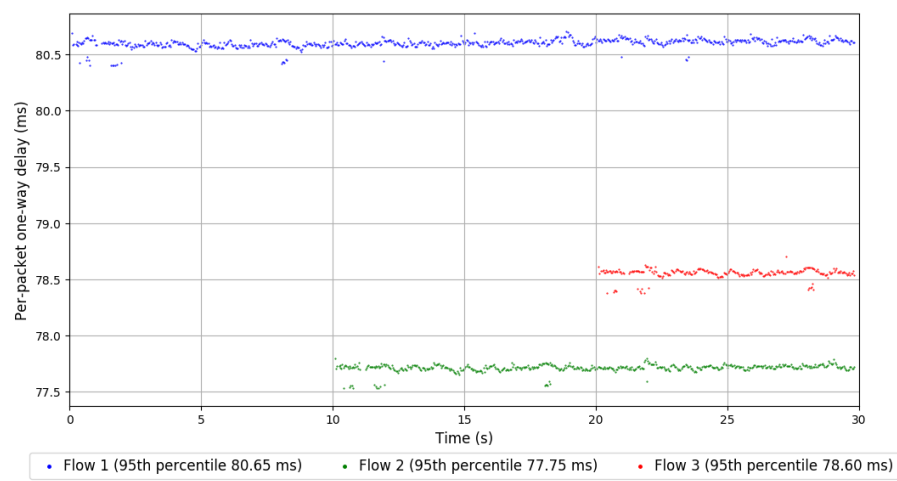
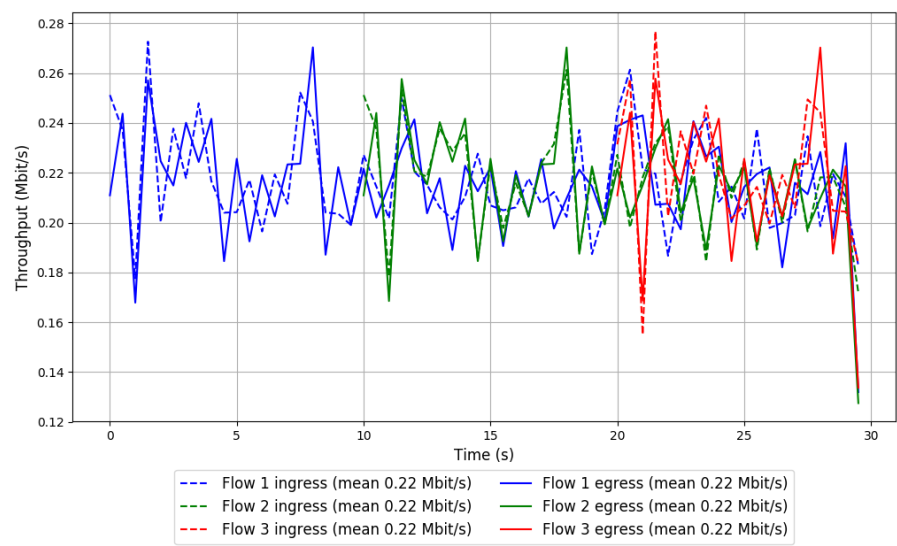


```
Run 1: Statistics of SReAM

Start at: 2018-03-06 11:52:42
End at: 2018-03-06 11:53:12
Local clock offset: -6.266 ms
Remote clock offset: 0.41 ms

# Below is generated by plot.py at 2018-03-06 19:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.641 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.652 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.751 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.604 ms
Loss rate: 1.50%
```

Run 1: Report of SReAM — Data Link

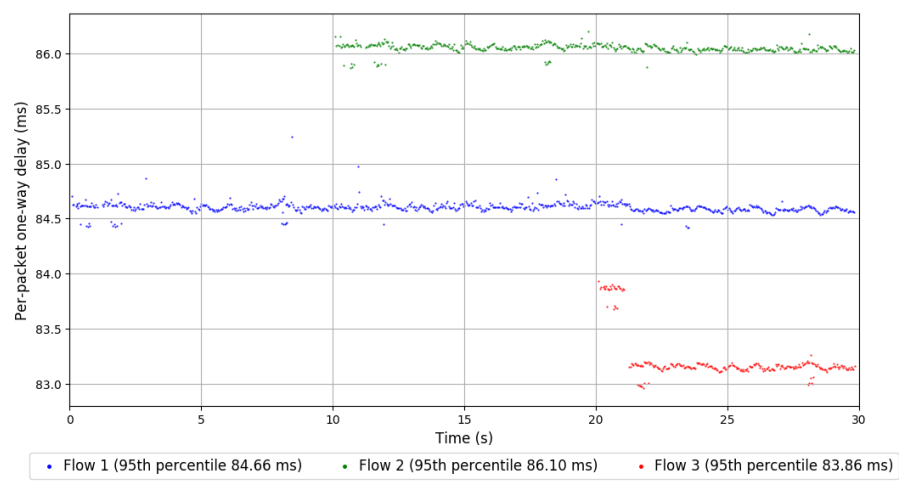
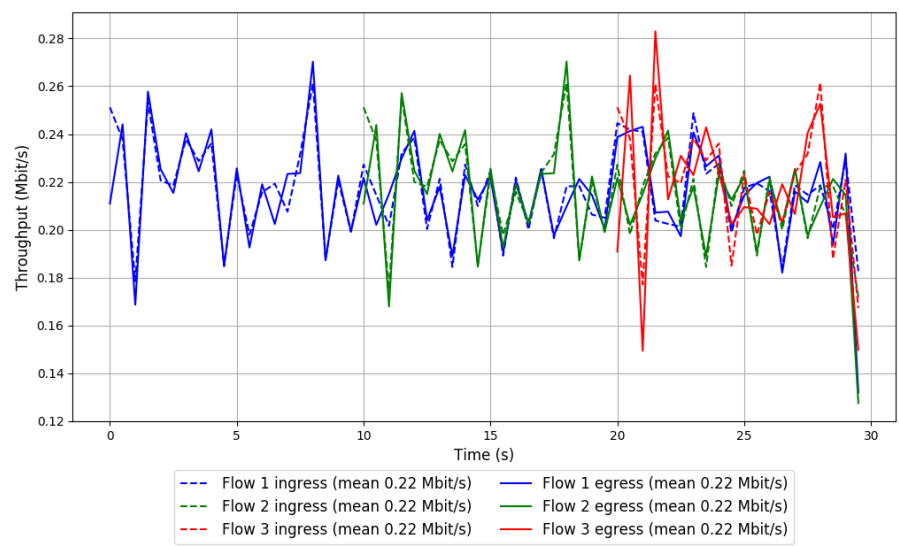


Run 2: Statistics of SReAM

Start at: 2018-03-06 12:16:14
End at: 2018-03-06 12:16:44
Local clock offset: -7.141 ms
Remote clock offset: -5.318 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.083 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.657 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.100 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.864 ms
Loss rate: 1.49%

Run 2: Report of SReAM — Data Link

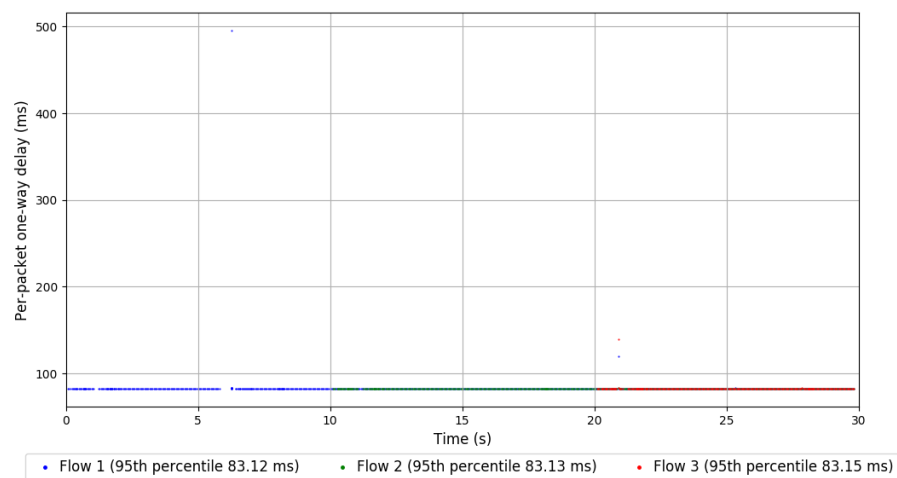
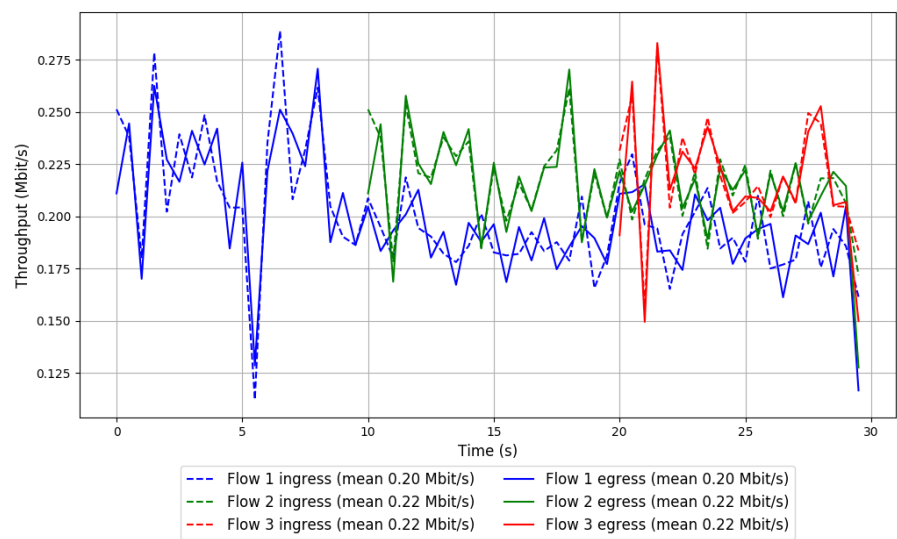


Run 3: Statistics of SReAM

Start at: 2018-03-06 12:39:44
End at: 2018-03-06 12:40:14
Local clock offset: -6.861 ms
Remote clock offset: -5.212 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 83.136 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 83.123 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.130 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.154 ms
Loss rate: 1.49%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-03-06 13:03:34

End at: 2018-03-06 13:04:04

Local clock offset: -6.724 ms

Remote clock offset: -0.95 ms

Below is generated by plot.py at 2018-03-06 19:48:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 81.449 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 81.457 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 78.574 ms

Loss rate: 0.84%

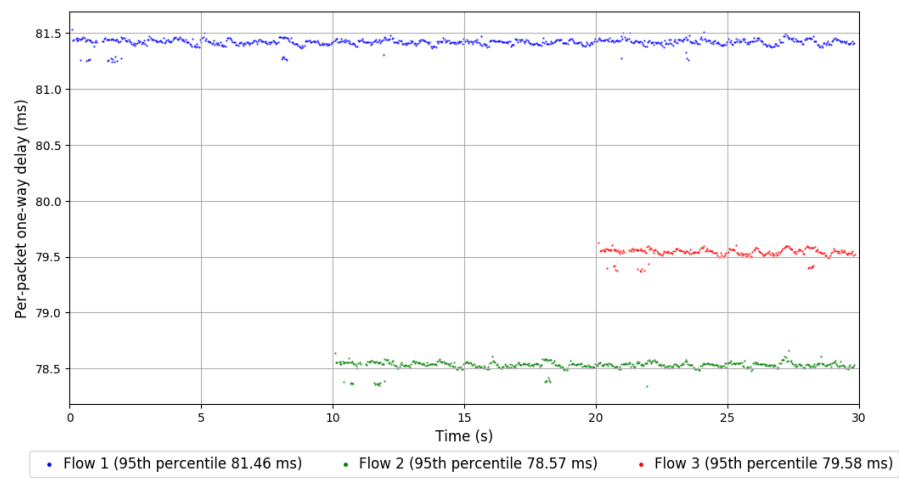
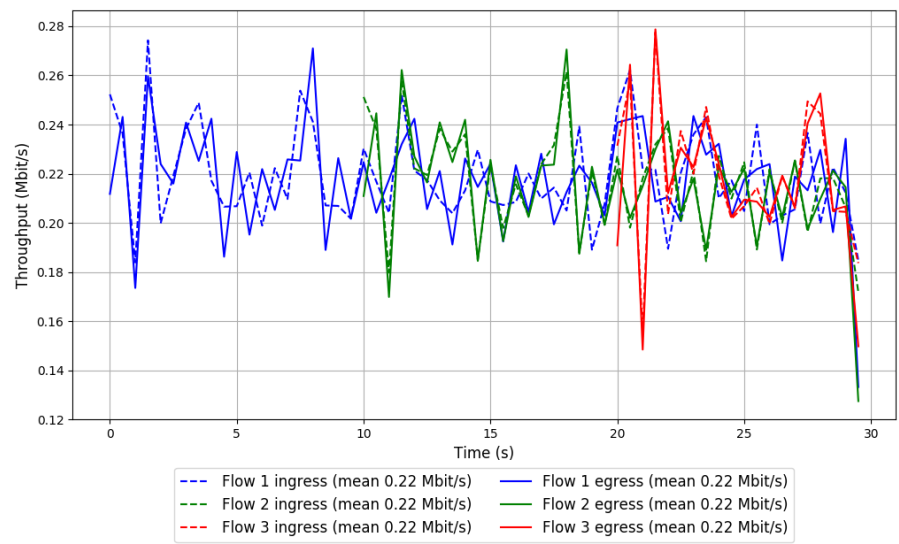
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.584 ms

Loss rate: 1.50%

Run 4: Report of SReAM — Data Link

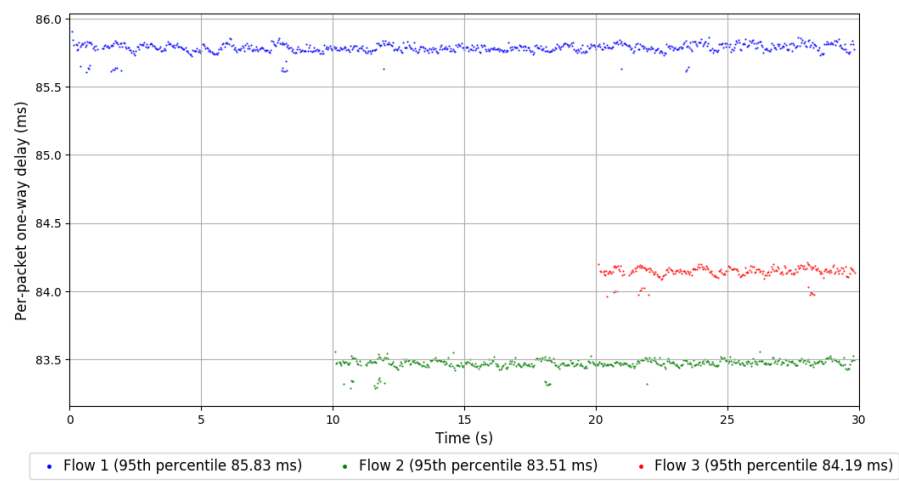
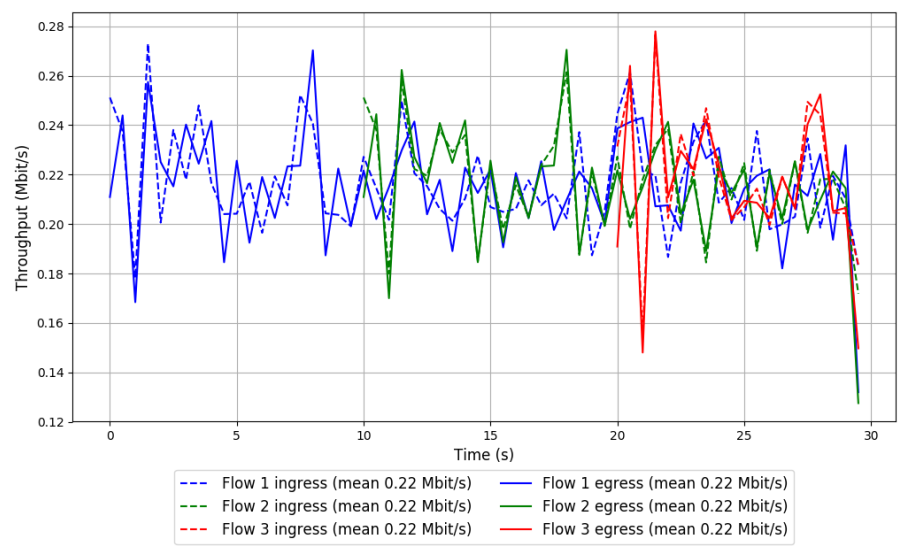


Run 5: Statistics of SReAM

Start at: 2018-03-06 13:27:08
End at: 2018-03-06 13:27:38
Local clock offset: -6.84 ms
Remote clock offset: -5.429 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.823 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.830 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.511 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.187 ms
Loss rate: 1.50%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-03-06 13:50:38

End at: 2018-03-06 13:51:08

Local clock offset: -6.093 ms

Remote clock offset: -6.0 ms

Below is generated by plot.py at 2018-03-06 19:48:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 85.999 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.857 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.387 ms

Loss rate: 0.84%

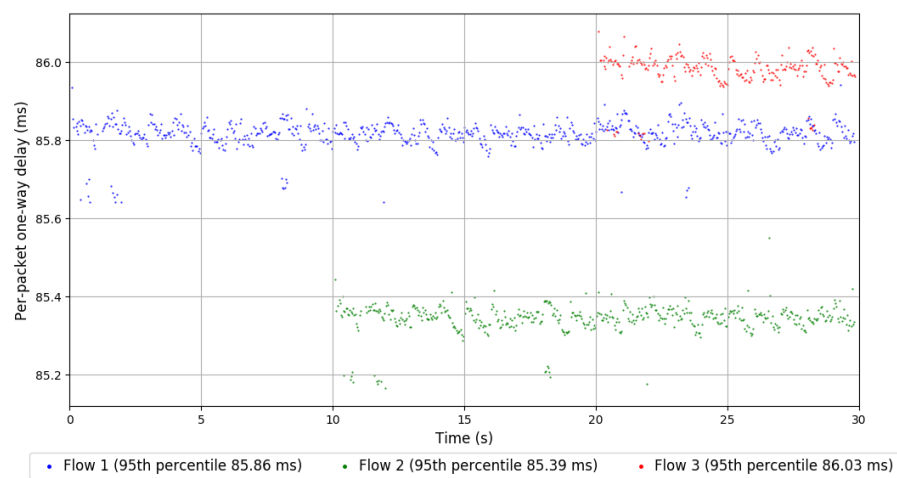
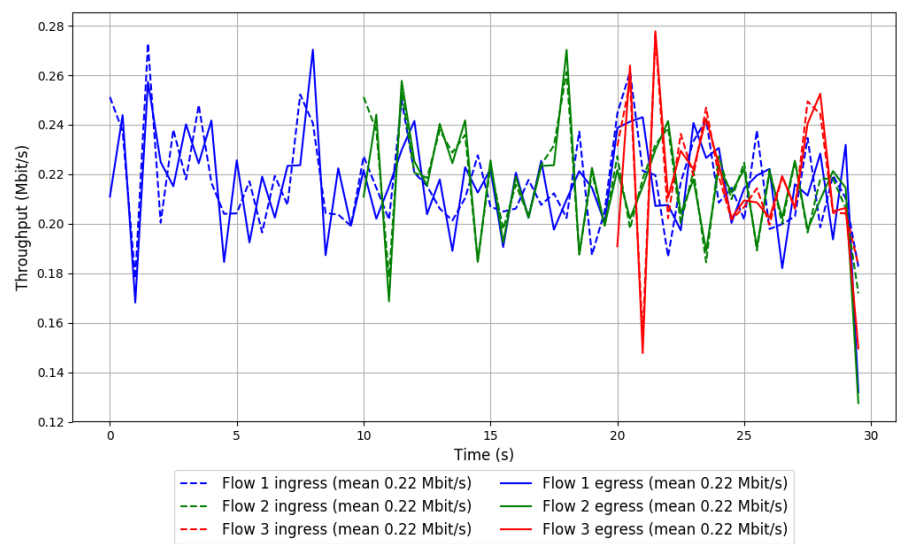
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.027 ms

Loss rate: 1.50%

Run 6: Report of SReAM — Data Link

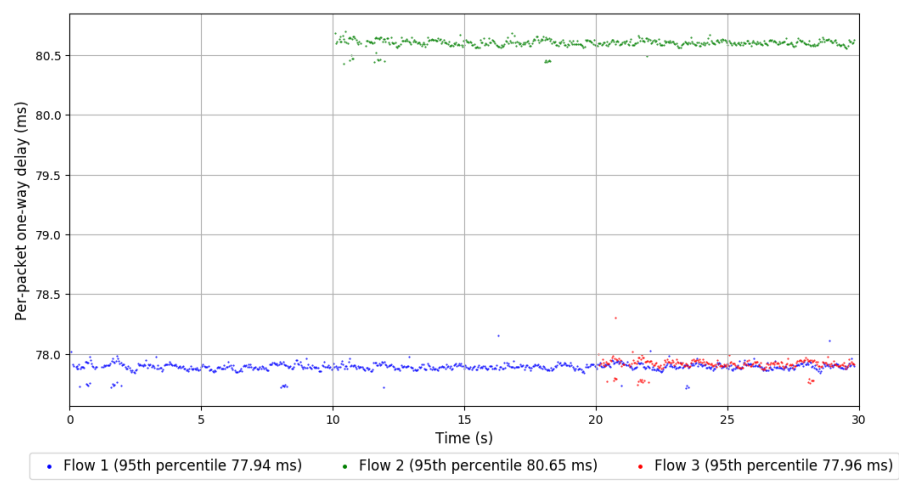
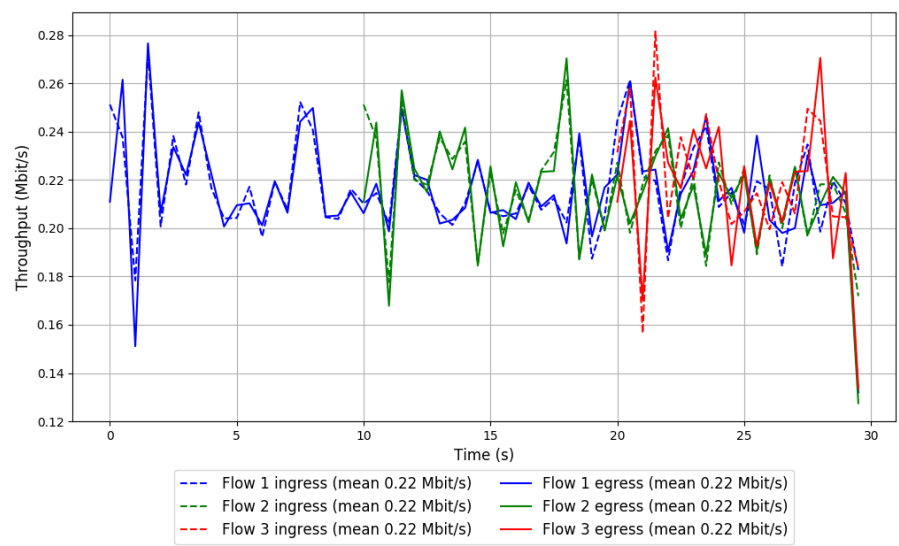


Run 7: Statistics of SReAM

Start at: 2018-03-06 14:14:12
End at: 2018-03-06 14:14:42
Local clock offset: -5.832 ms
Remote clock offset: 0.926 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 80.630 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.935 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.647 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 77.963 ms
Loss rate: 1.49%

Run 7: Report of SReAM — Data Link

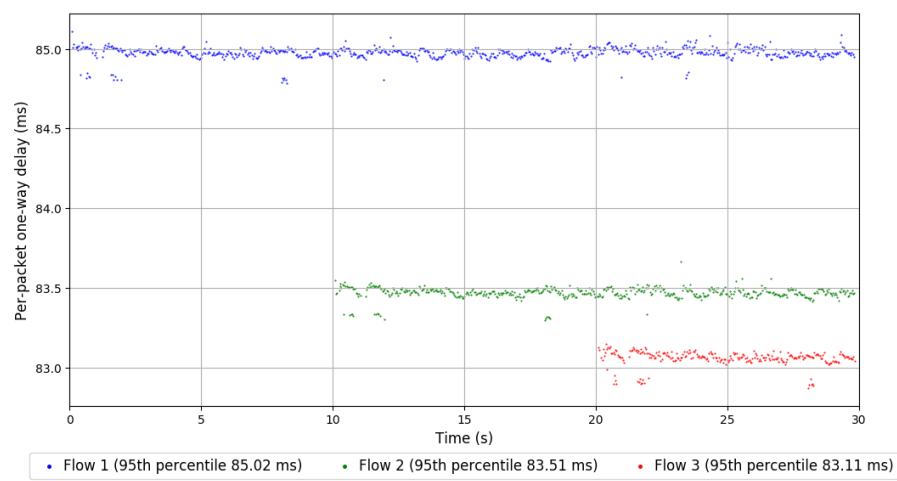
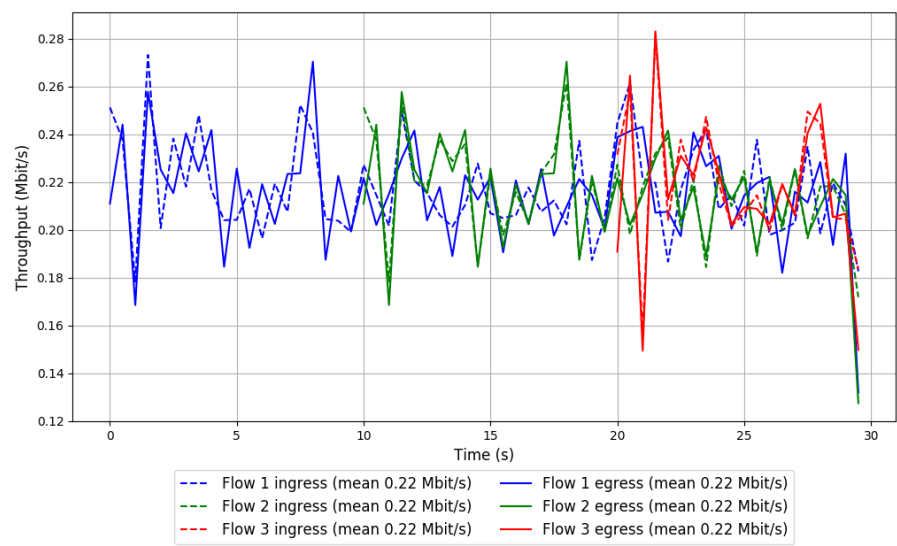


Run 8: Statistics of SReAM

Start at: 2018-03-06 14:38:03
End at: 2018-03-06 14:38:33
Local clock offset: -5.777 ms
Remote clock offset: -5.47 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.011 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.021 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.511 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.112 ms
Loss rate: 1.49%

Run 8: Report of SReAM — Data Link

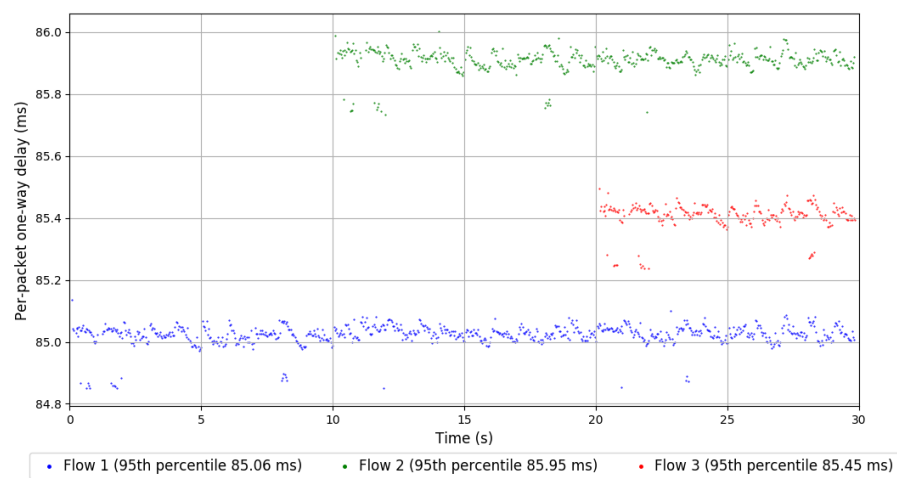
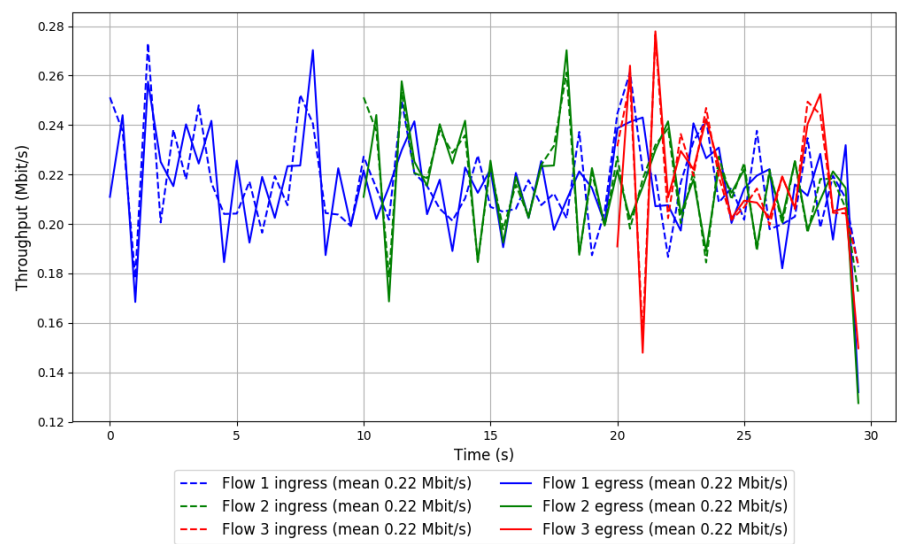


Run 9: Statistics of SReAM

Start at: 2018-03-06 15:01:34
End at: 2018-03-06 15:02:04
Local clock offset: -6.067 ms
Remote clock offset: -6.718 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 85.939 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.065 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.952 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 1.50%

Run 9: Report of SReAM — Data Link

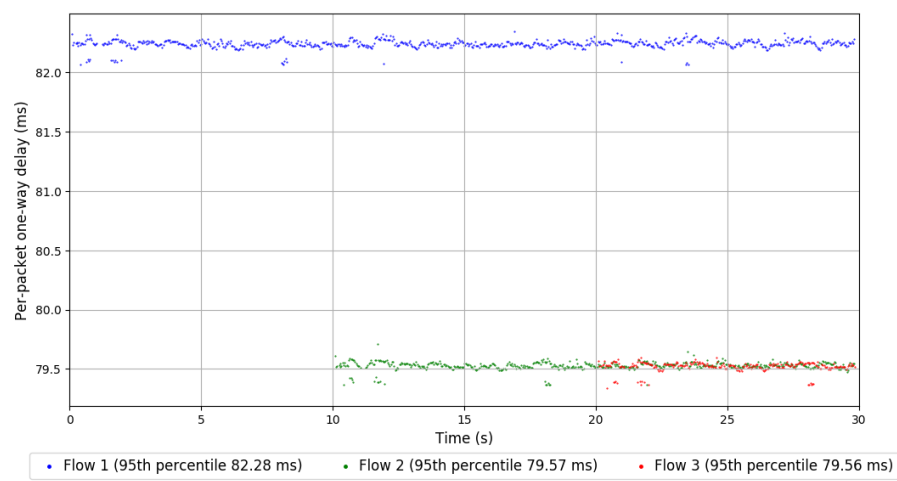
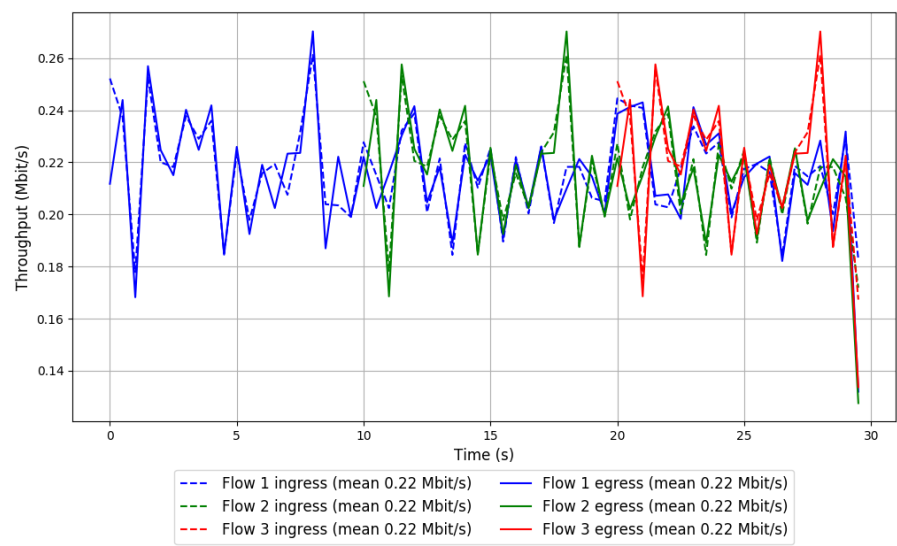


Run 10: Statistics of SReAM

Start at: 2018-03-06 15:25:08
End at: 2018-03-06 15:25:38
Local clock offset: -6.242 ms
Remote clock offset: -1.769 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.274 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.283 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.572 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.561 ms
Loss rate: 1.50%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-03-06 11:51:28

End at: 2018-03-06 11:51:58

Local clock offset: -6.285 ms

Remote clock offset: 0.414 ms

Below is generated by plot.py at 2018-03-06 19:48:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 79.381 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 80.433 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 79.385 ms

Loss rate: 0.82%

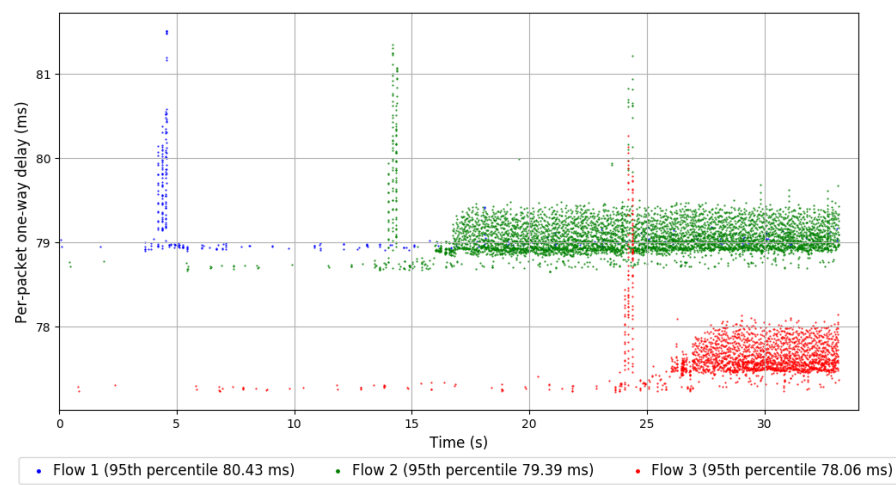
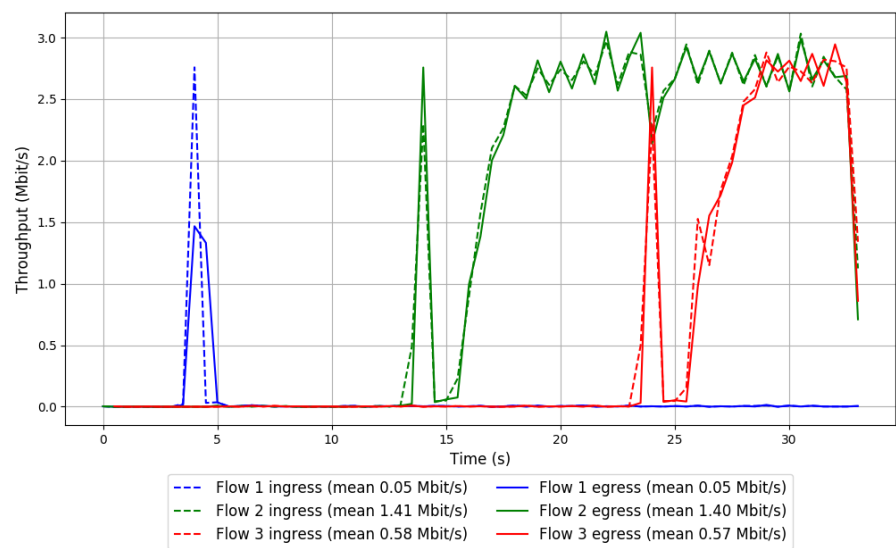
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 78.064 ms

Loss rate: 2.37%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-03-06 12:15:00

End at: 2018-03-06 12:15:30

Local clock offset: -7.06 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-03-06 19:48:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 81.240 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 80.903 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 81.256 ms

Loss rate: 0.65%

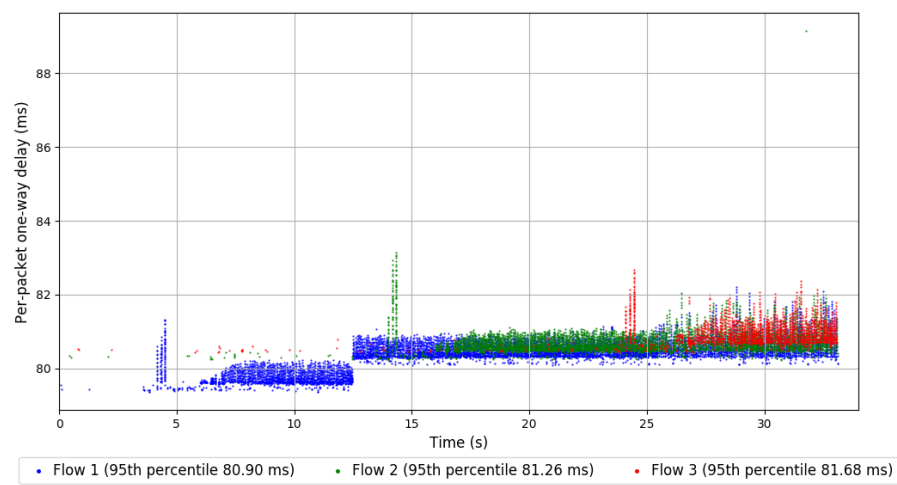
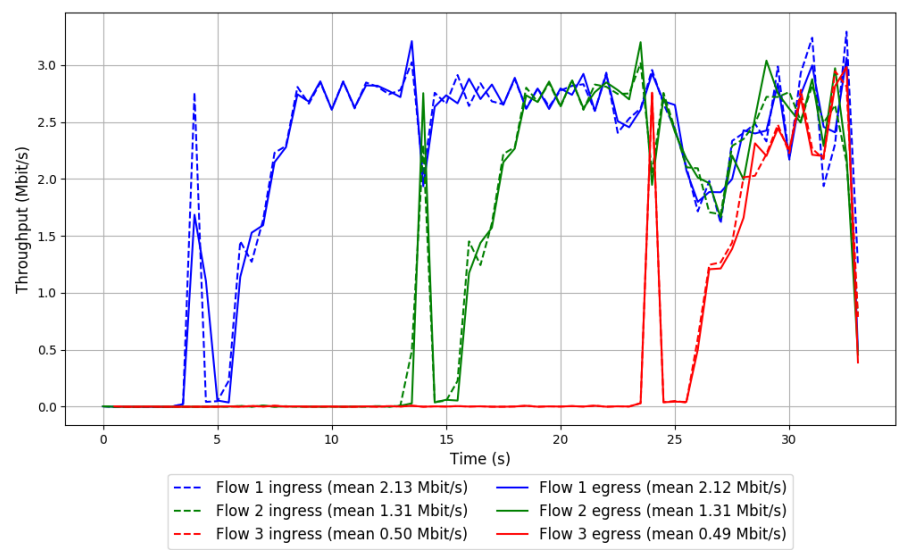
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 81.676 ms

Loss rate: 2.44%

Run 2: Report of WebRTC media — Data Link

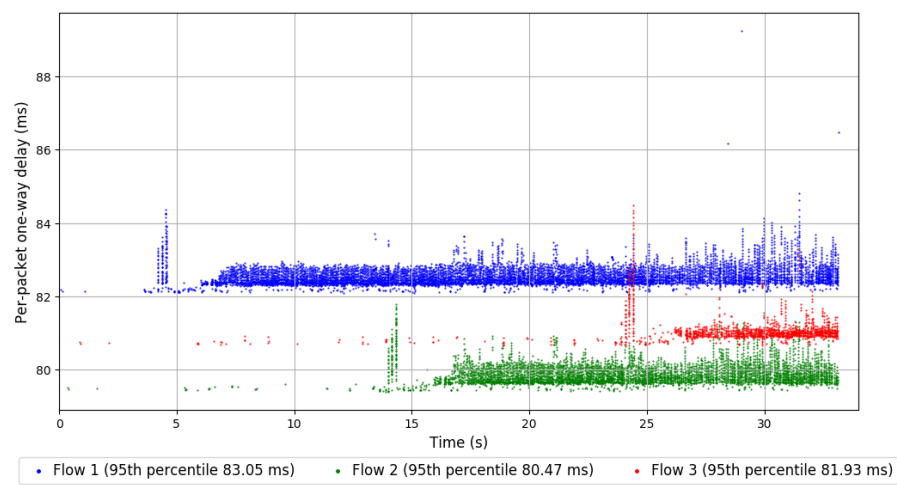
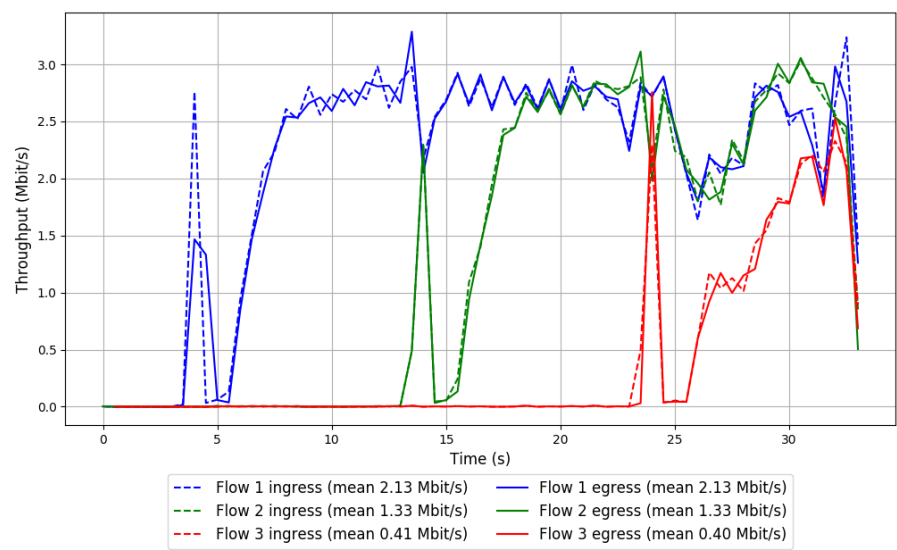


Run 3: Statistics of WebRTC media

Start at: 2018-03-06 12:38:30
End at: 2018-03-06 12:39:00
Local clock offset: -6.823 ms
Remote clock offset: -1.293 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 82.879 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 83.051 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 80.472 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 81.931 ms
Loss rate: 2.37%

Run 3: Report of WebRTC media — Data Link

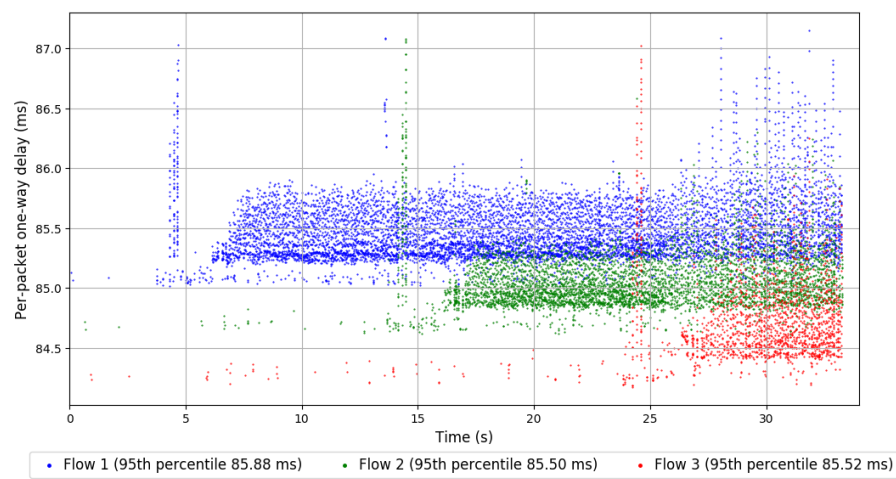
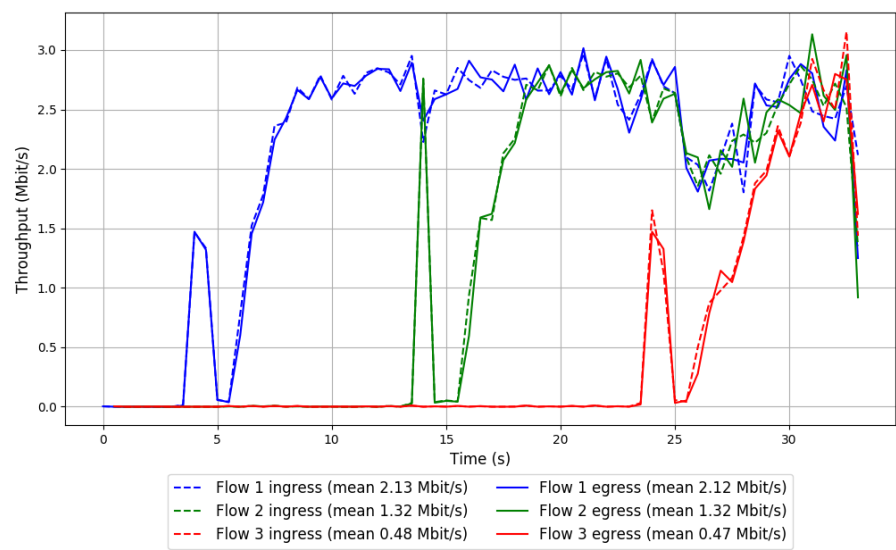


Run 4: Statistics of WebRTC media

Start at: 2018-03-06 13:02:20
End at: 2018-03-06 13:02:50
Local clock offset: -6.726 ms
Remote clock offset: -5.793 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 85.810 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 85.879 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 85.501 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 85.517 ms
Loss rate: 2.20%

Run 4: Report of WebRTC media — Data Link

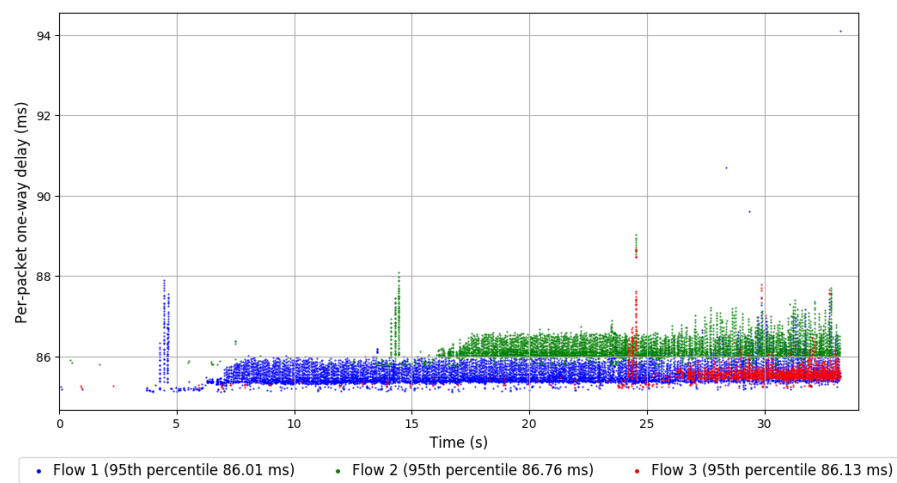
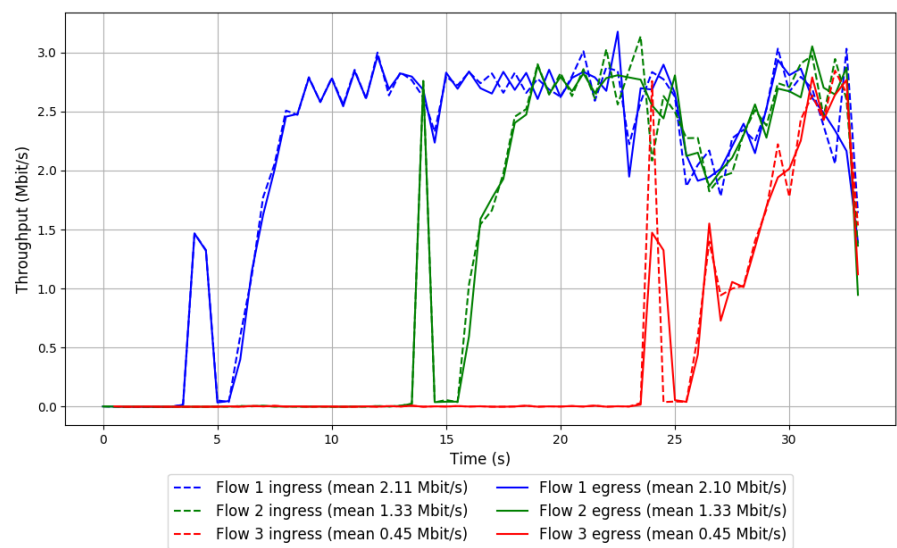


Run 5: Statistics of WebRTC media

Start at: 2018-03-06 13:25:54
End at: 2018-03-06 13:26:24
Local clock offset: -6.842 ms
Remote clock offset: -6.284 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 86.530 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 86.011 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.132 ms
Loss rate: 2.62%

Run 5: Report of WebRTC media — Data Link

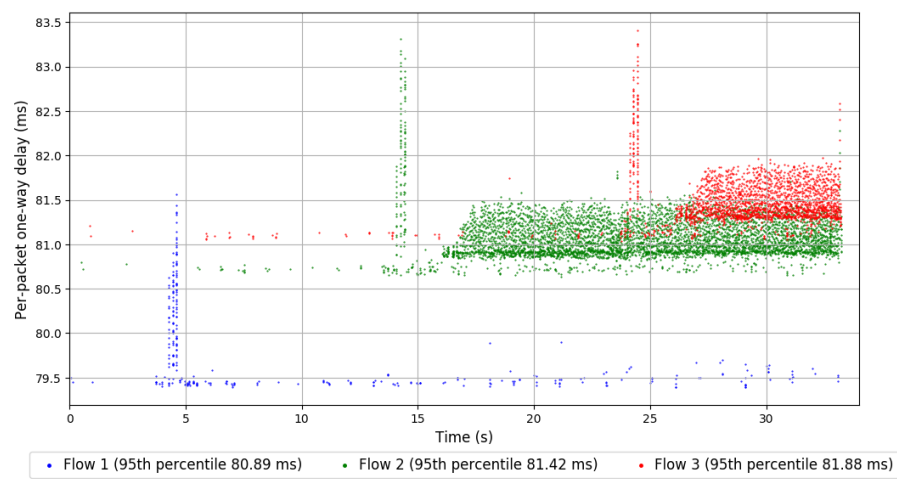
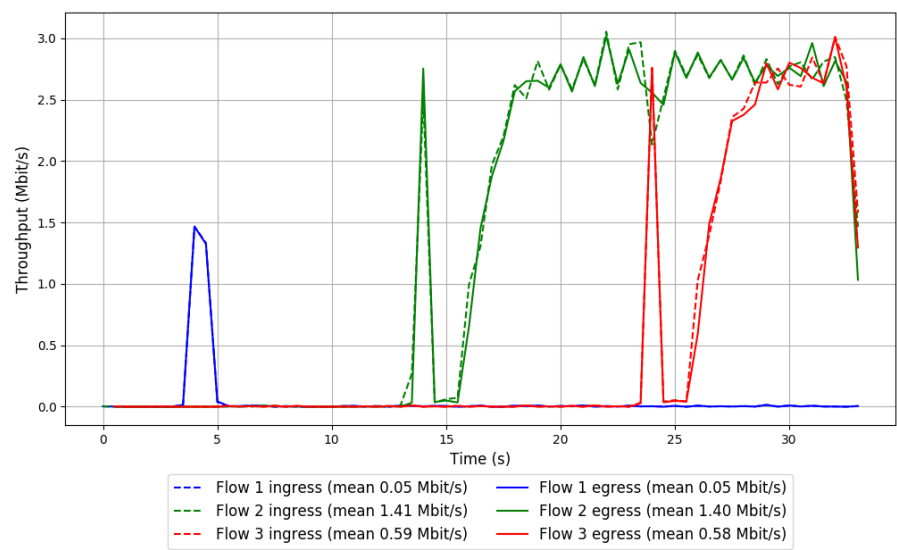


Run 6: Statistics of WebRTC media

Start at: 2018-03-06 13:49:25
End at: 2018-03-06 13:49:55
Local clock offset: -6.045 ms
Remote clock offset: -1.256 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 81.734 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 81.416 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 81.881 ms
Loss rate: 2.35%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-06 14:12:58

End at: 2018-03-06 14:13:28

Local clock offset: -5.802 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-03-06 19:48:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 80.750 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 80.570 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 80.710 ms

Loss rate: 0.71%

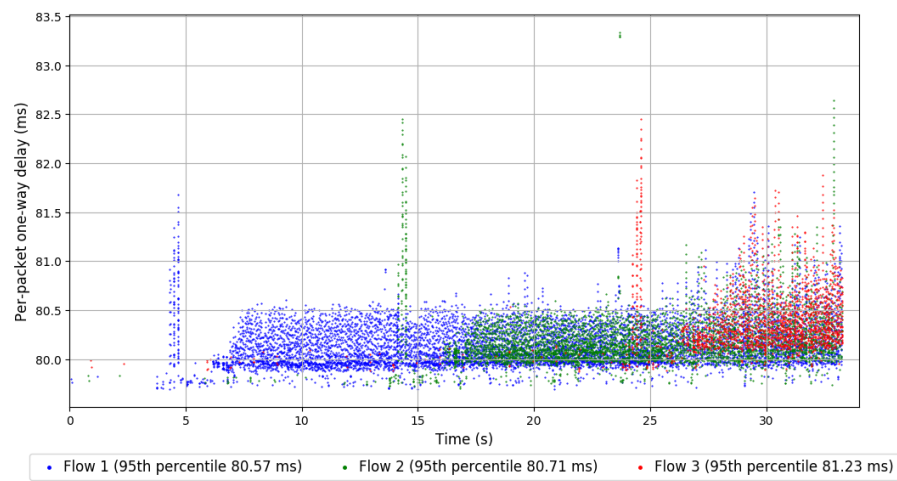
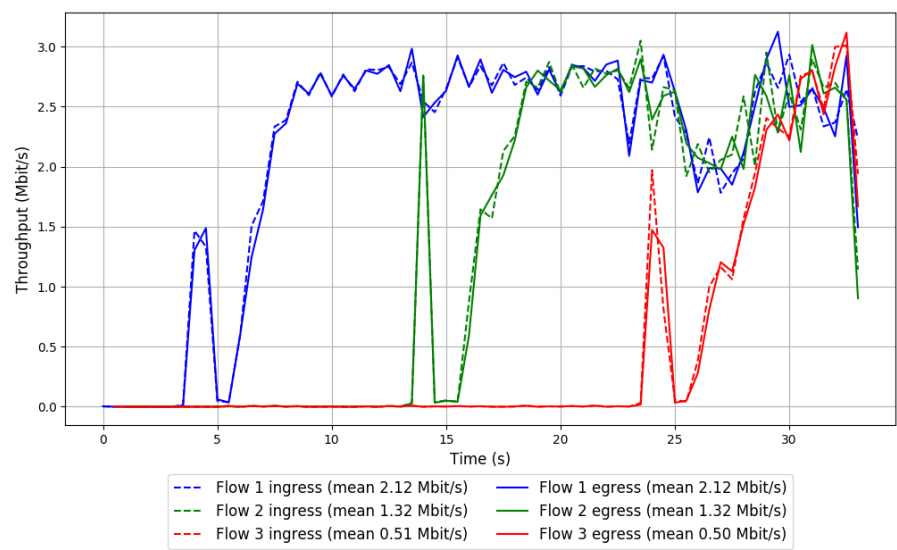
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 81.229 ms

Loss rate: 2.33%

Run 7: Report of WebRTC media — Data Link

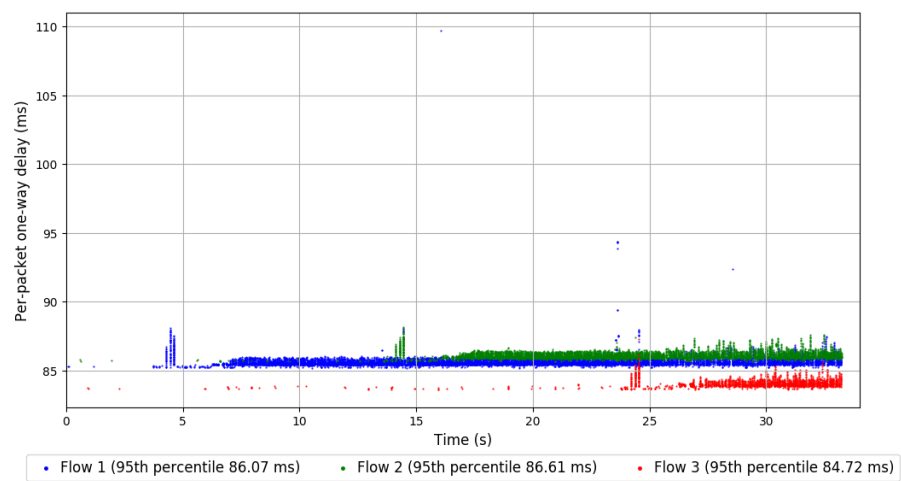
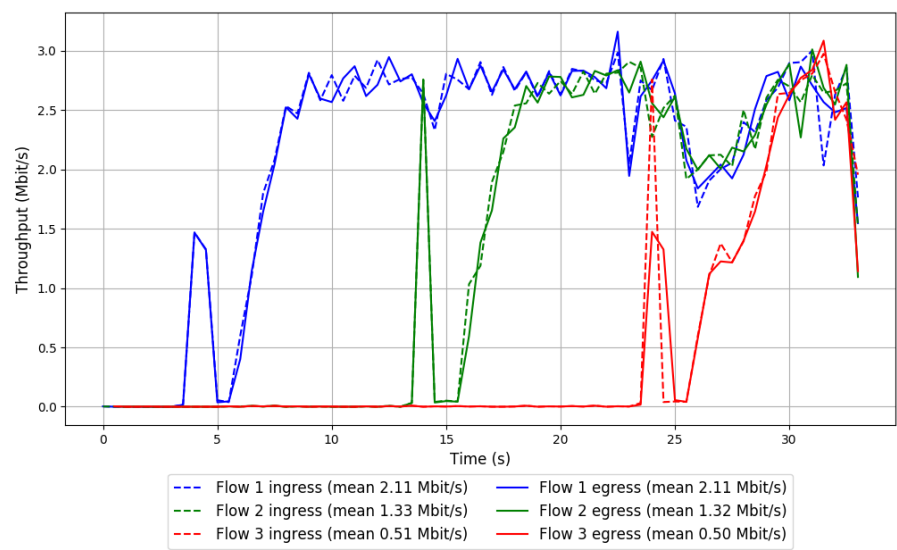


Run 8: Statistics of WebRTC media

Start at: 2018-03-06 14:36:49
End at: 2018-03-06 14:37:19
Local clock offset: -5.774 ms
Remote clock offset: -6.322 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 86.402 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 86.066 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 86.608 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 84.725 ms
Loss rate: 3.56%

Run 8: Report of WebRTC media — Data Link

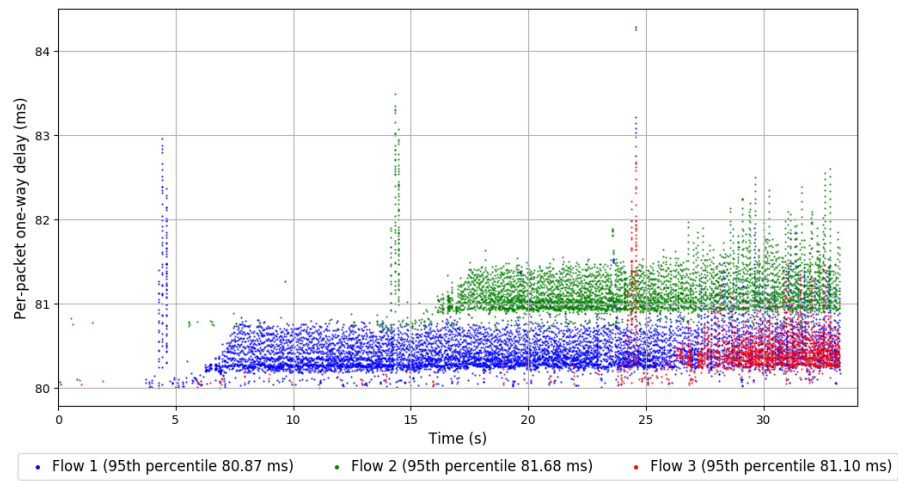
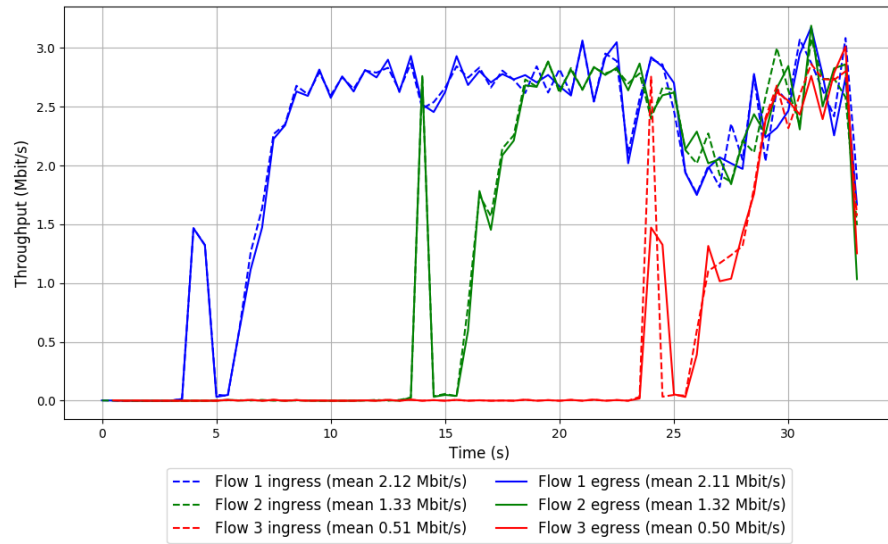


Run 9: Statistics of WebRTC media

Start at: 2018-03-06 15:00:20
End at: 2018-03-06 15:00:50
Local clock offset: -5.988 ms
Remote clock offset: -1.866 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 81.434 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 80.874 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 81.680 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 81.099 ms
Loss rate: 2.43%

Run 9: Report of WebRTC media — Data Link

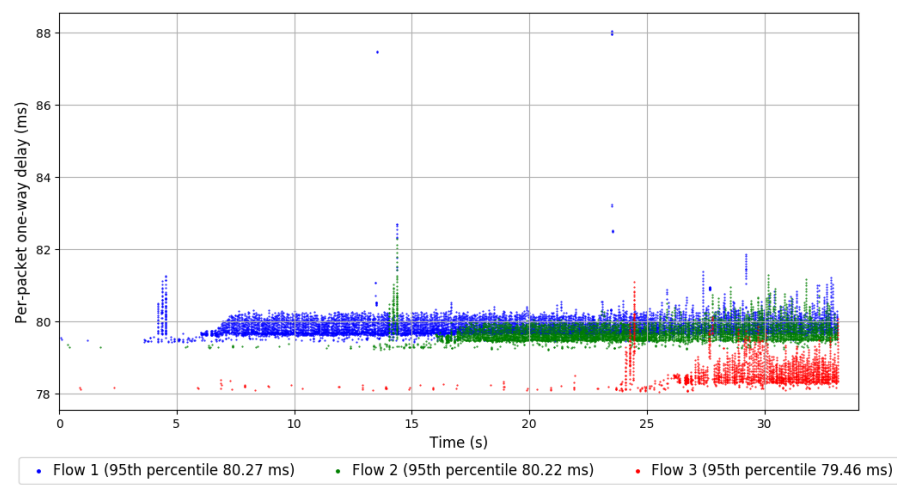
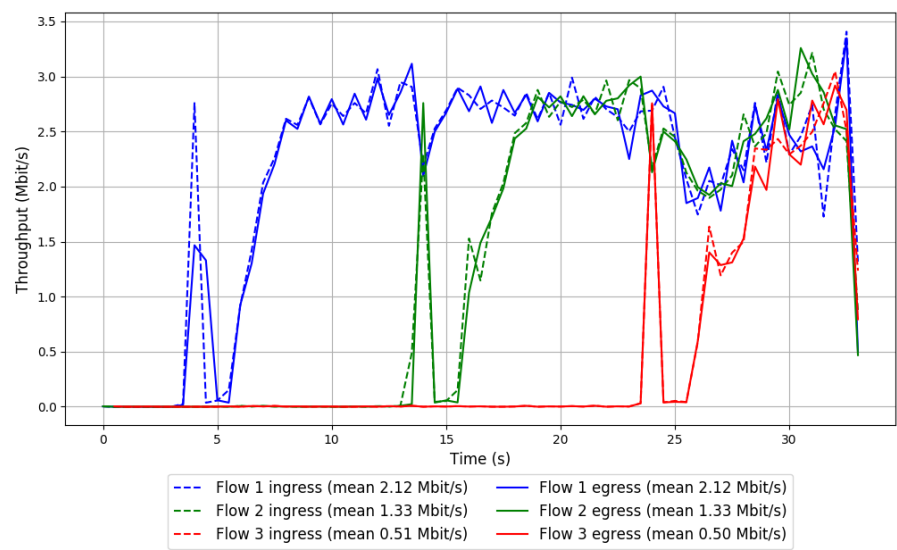


Run 10: Statistics of WebRTC media

Start at: 2018-03-06 15:23:54
End at: 2018-03-06 15:24:24
Local clock offset: -6.214 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 80.235 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 80.270 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 80.220 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 79.460 ms
Loss rate: 2.51%

Run 10: Report of WebRTC media — Data Link

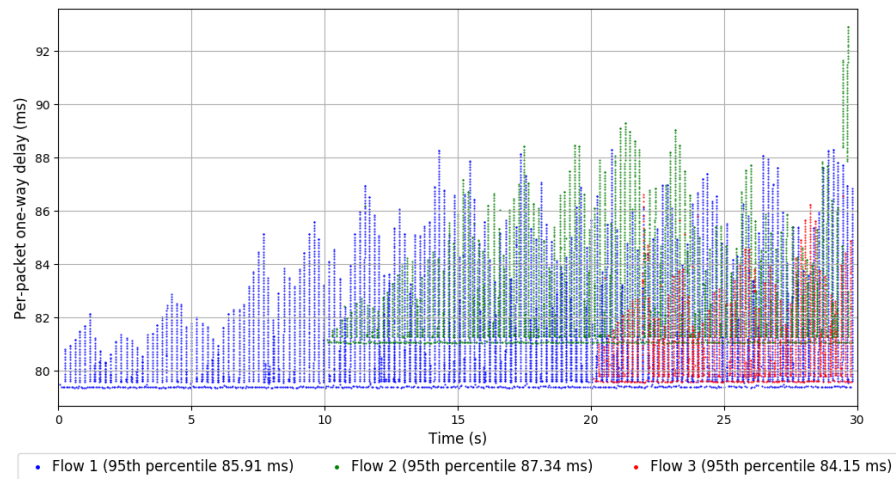
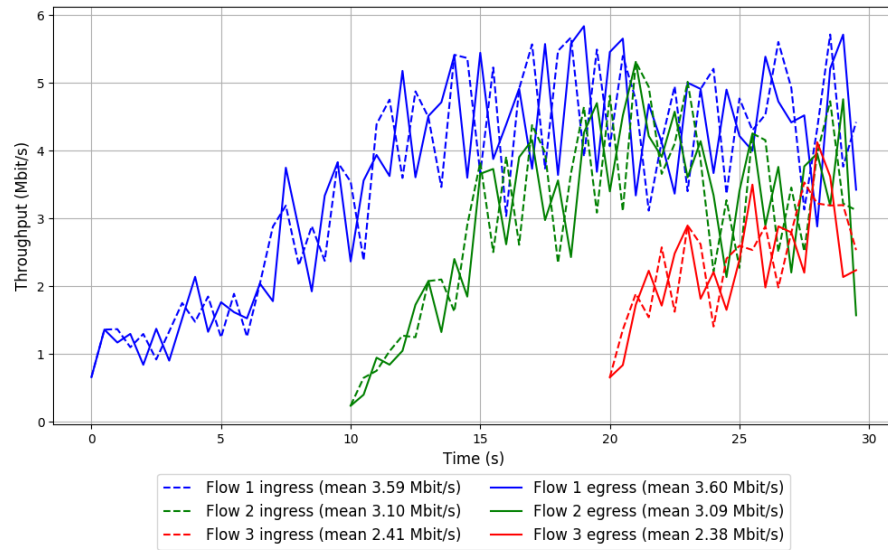


Run 1: Statistics of Sprout

Start at: 2018-03-06 12:04:29
End at: 2018-03-06 12:04:59
Local clock offset: -6.837 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 86.333 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 85.907 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 87.342 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 84.152 ms
Loss rate: 2.86%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-06 12:27:58

End at: 2018-03-06 12:28:28

Local clock offset: -7.217 ms

Remote clock offset: -6.16 ms

Below is generated by plot.py at 2018-03-06 19:48:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 92.343 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 92.369 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 92.469 ms

Loss rate: 1.21%

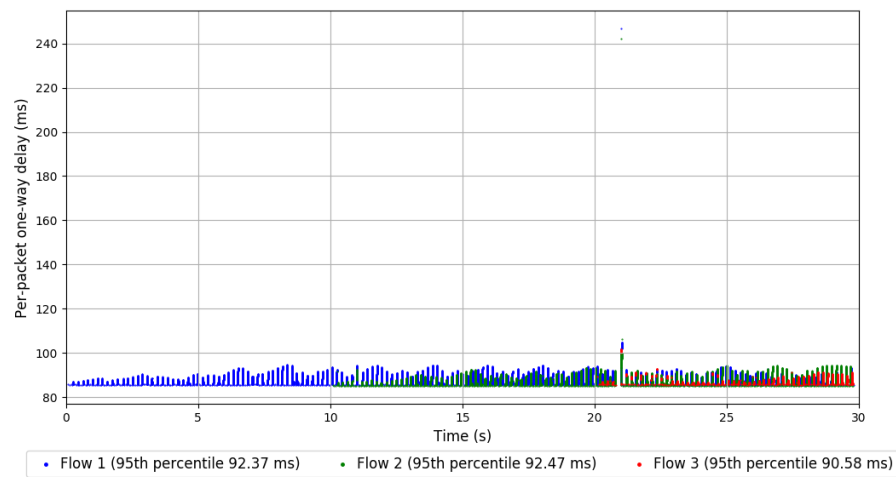
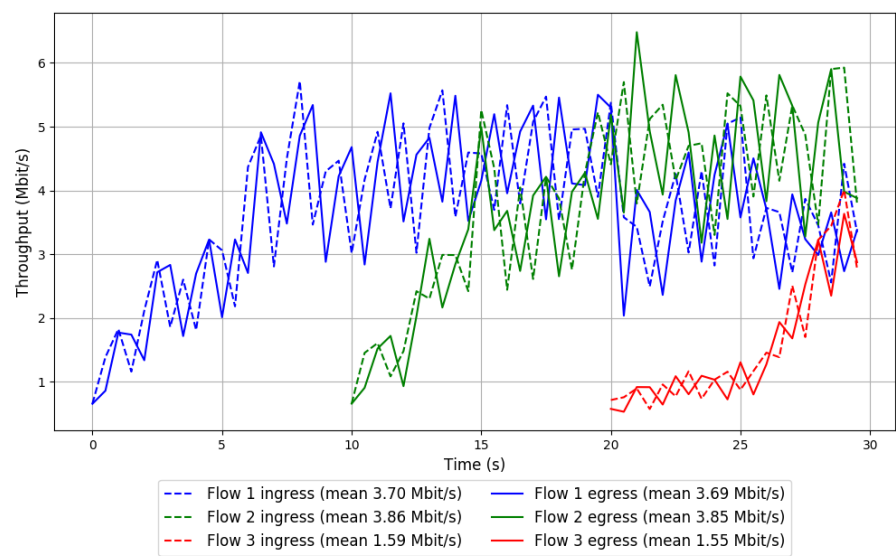
-- Flow 3:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 90.580 ms

Loss rate: 4.37%

Run 2: Report of Sprout — Data Link

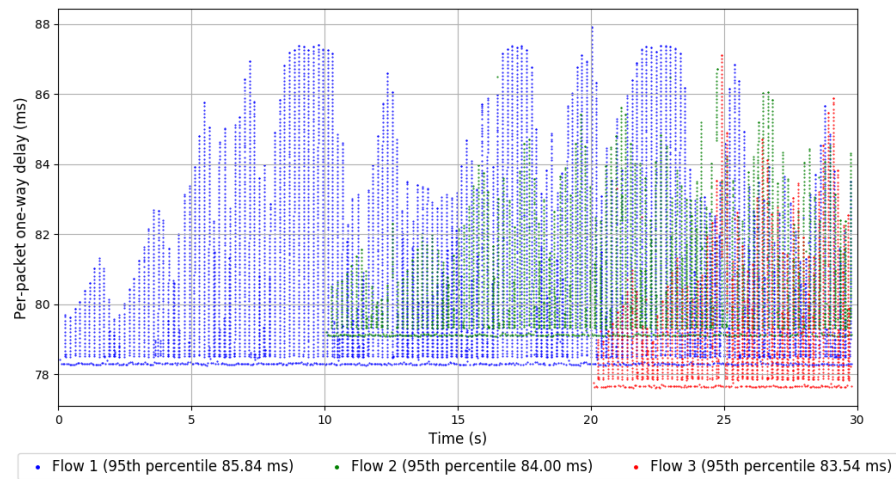
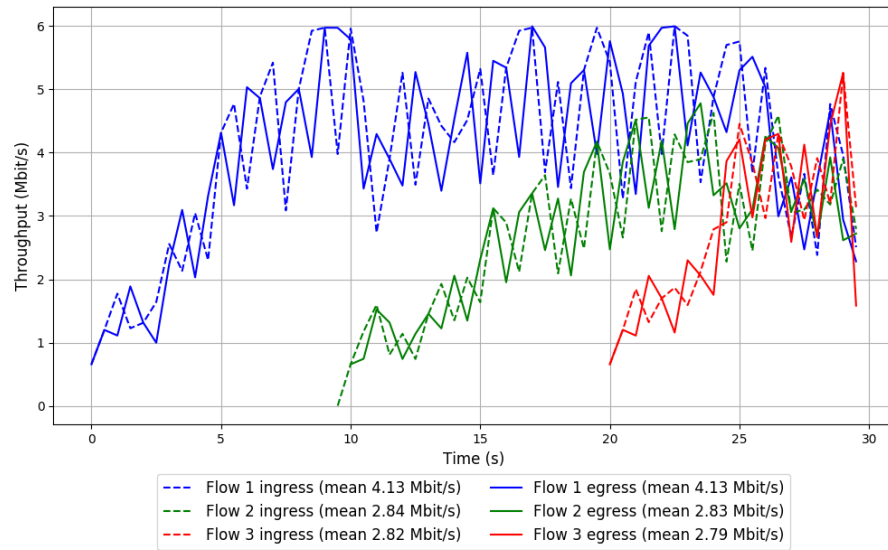


Run 3: Statistics of Sprout

Start at: 2018-03-06 12:51:43
End at: 2018-03-06 12:52:13
Local clock offset: -6.769 ms
Remote clock offset: 0.076 ms

```
# Below is generated by plot.py at 2018-03-06 19:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 85.230 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 85.838 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 83.995 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 83.544 ms
Loss rate: 2.79%
```


Run 3: Report of Sprout — Data Link

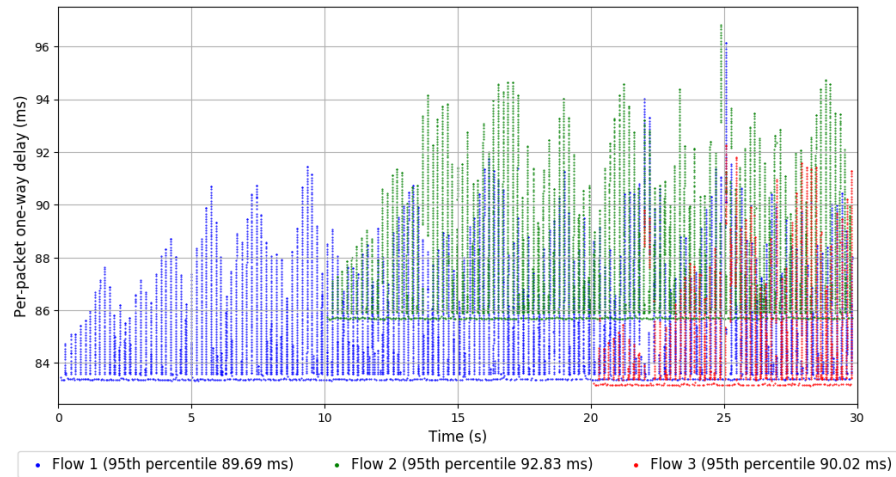
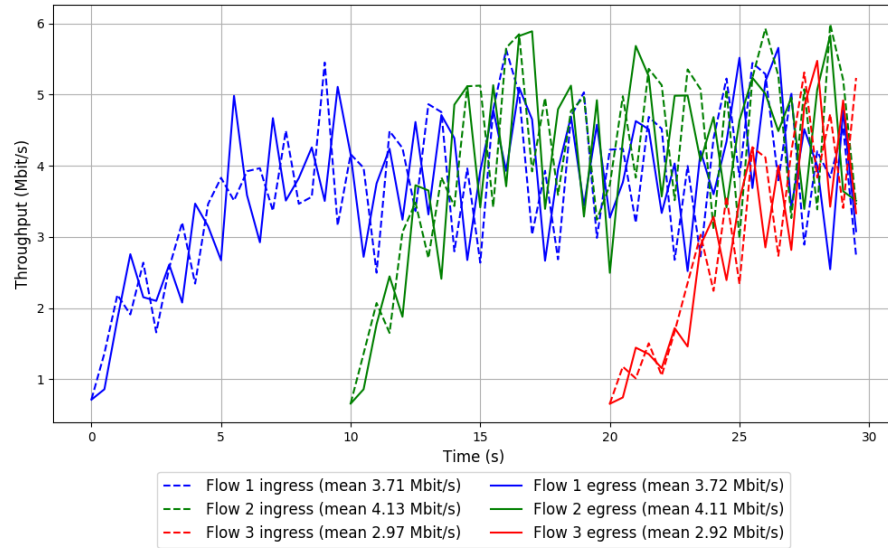


Run 4: Statistics of Sprout

Start at: 2018-03-06 13:15:20
End at: 2018-03-06 13:15:50
Local clock offset: -6.746 ms
Remote clock offset: -5.83 ms

```
# Below is generated by plot.py at 2018-03-06 19:48:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 91.569 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 89.691 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 92.834 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 90.016 ms
Loss rate: 3.26%
```

Run 4: Report of Sprout — Data Link

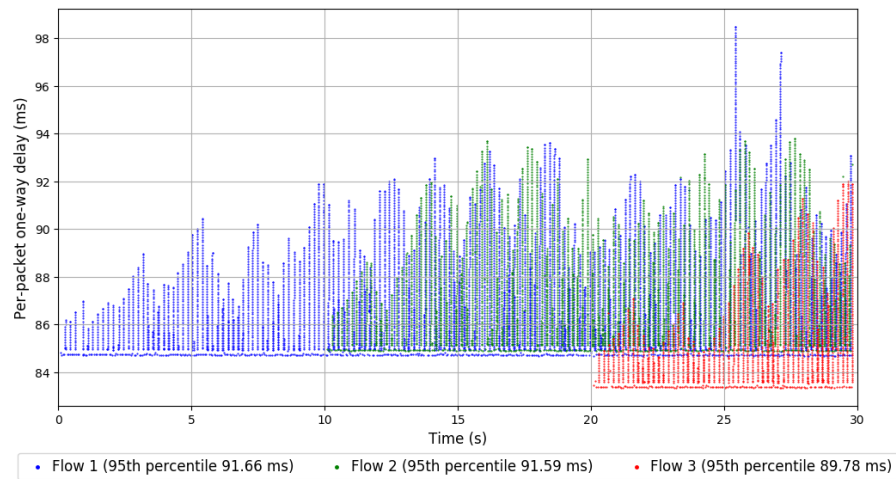
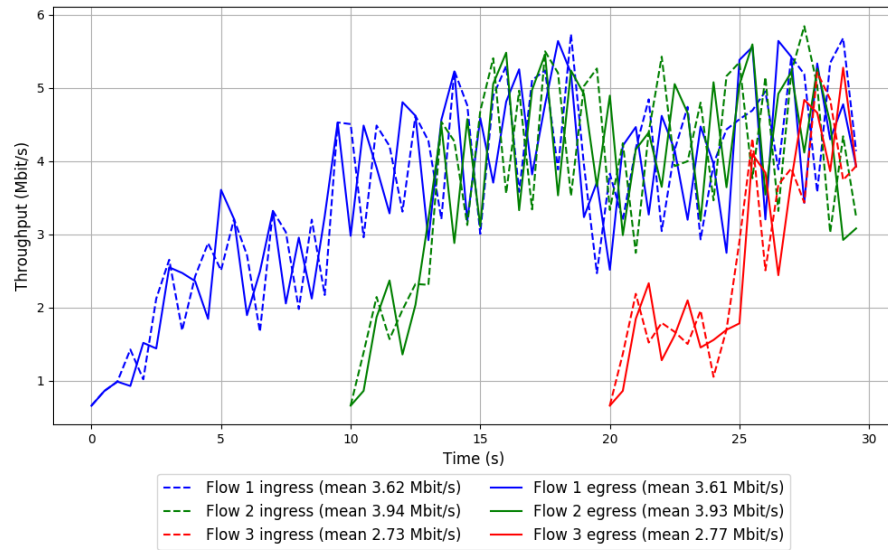


Run 5: Statistics of Sprout

Start at: 2018-03-06 13:38:51
End at: 2018-03-06 13:39:21
Local clock offset: -6.516 ms
Remote clock offset: -5.354 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 91.470 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 91.658 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 91.592 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 89.775 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

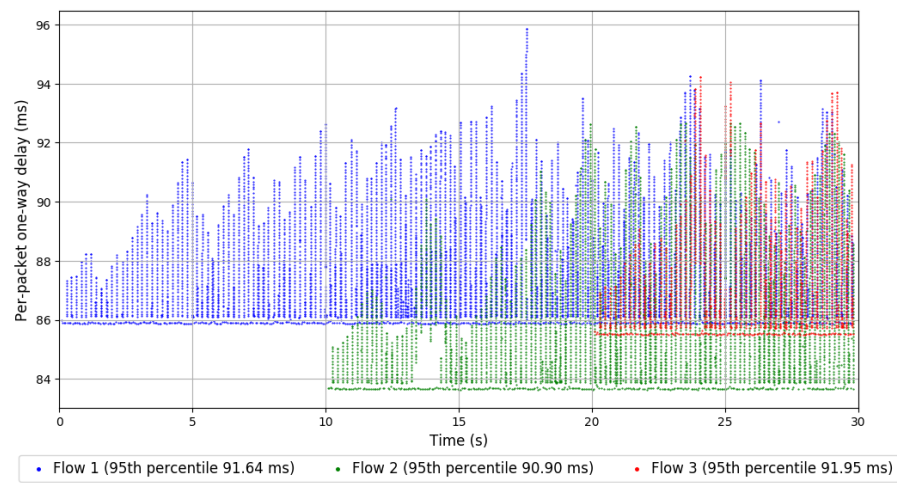
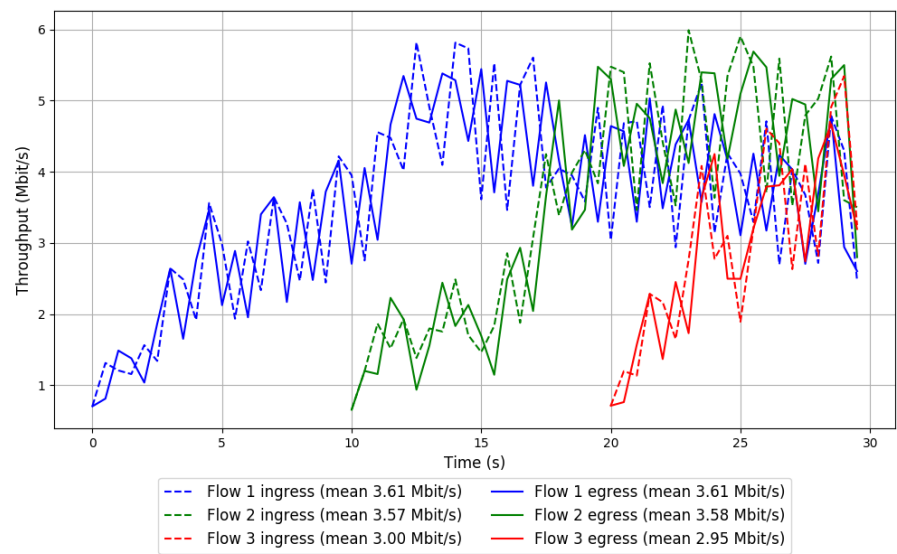


Run 6: Statistics of Sprout

Start at: 2018-03-06 14:02:24
End at: 2018-03-06 14:02:54
Local clock offset: -5.838 ms
Remote clock offset: -5.706 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 91.447 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 91.638 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 90.904 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 91.953 ms
Loss rate: 2.86%

Run 6: Report of Sprout — Data Link

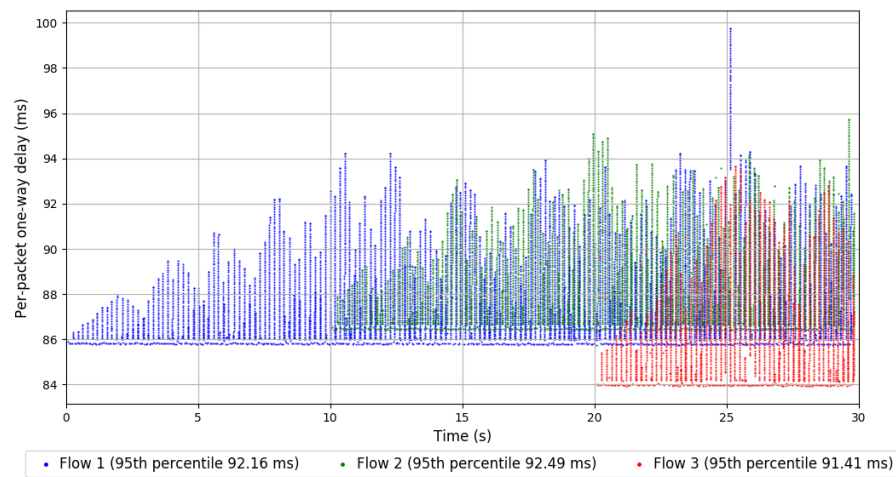
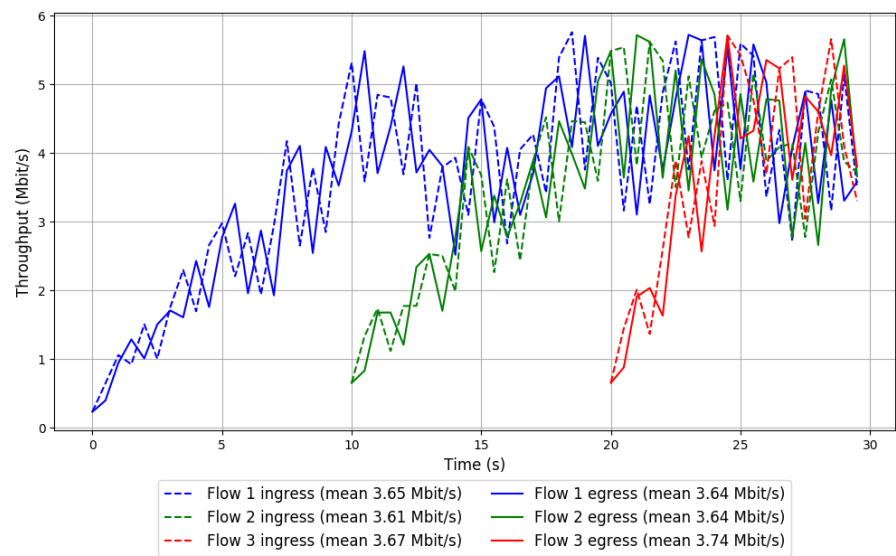


Run 7: Statistics of Sprout

Start at: 2018-03-06 14:26:12
End at: 2018-03-06 14:26:42
Local clock offset: -5.878 ms
Remote clock offset: -5.652 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 92.175 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 92.162 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 92.494 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 91.413 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link

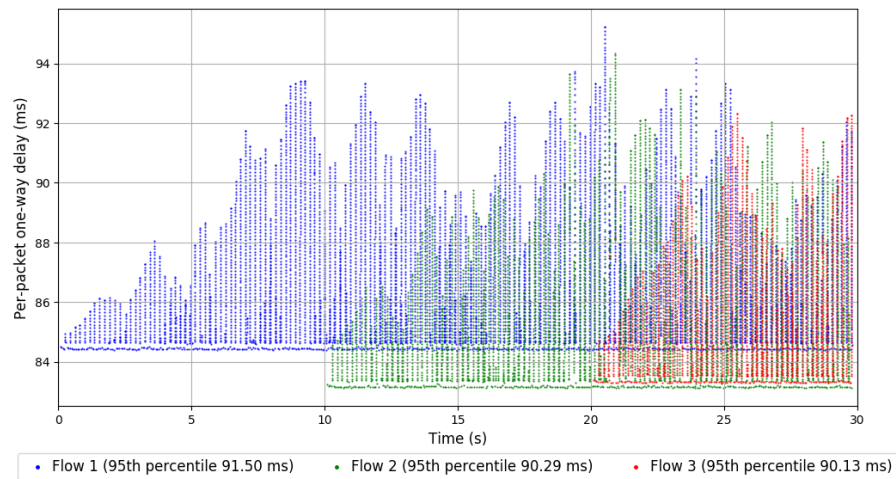
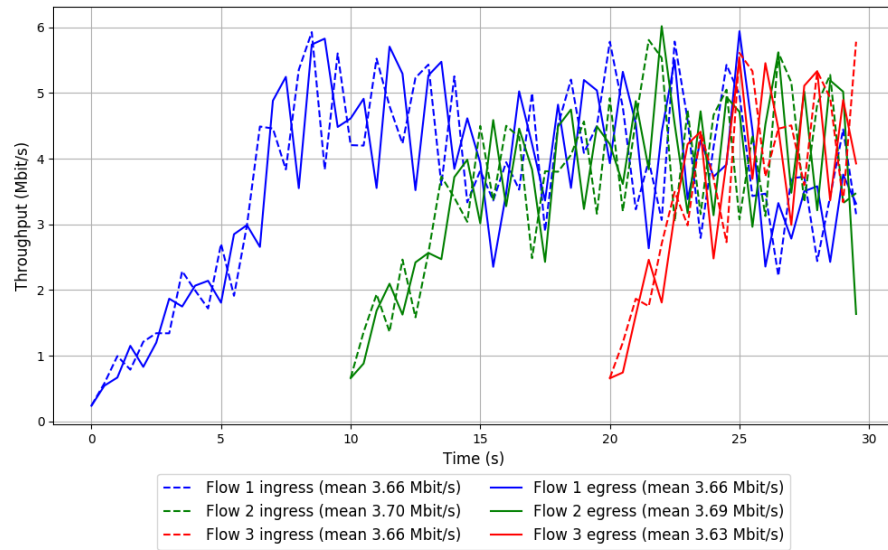


Run 8: Statistics of Sprout

Start at: 2018-03-06 14:49:48
End at: 2018-03-06 14:50:18
Local clock offset: -5.968 ms
Remote clock offset: -5.78 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 91.022 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 91.503 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 90.293 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 90.129 ms
Loss rate: 2.58%

Run 8: Report of Sprout — Data Link

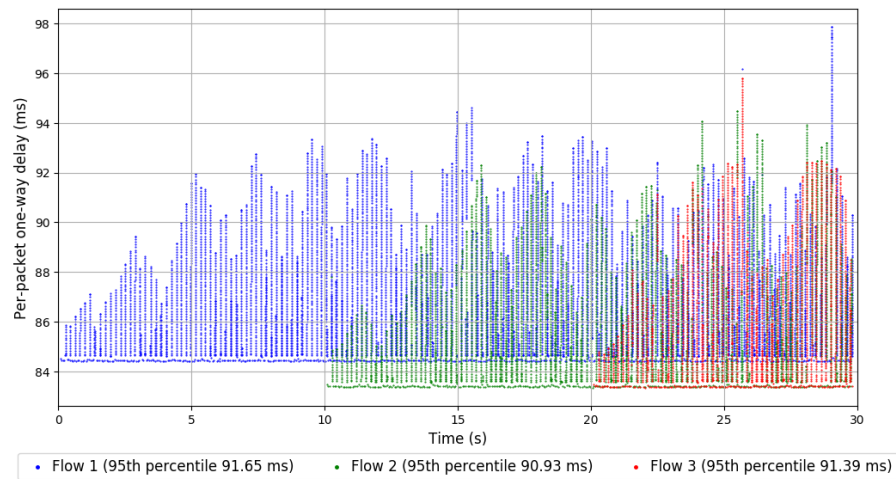
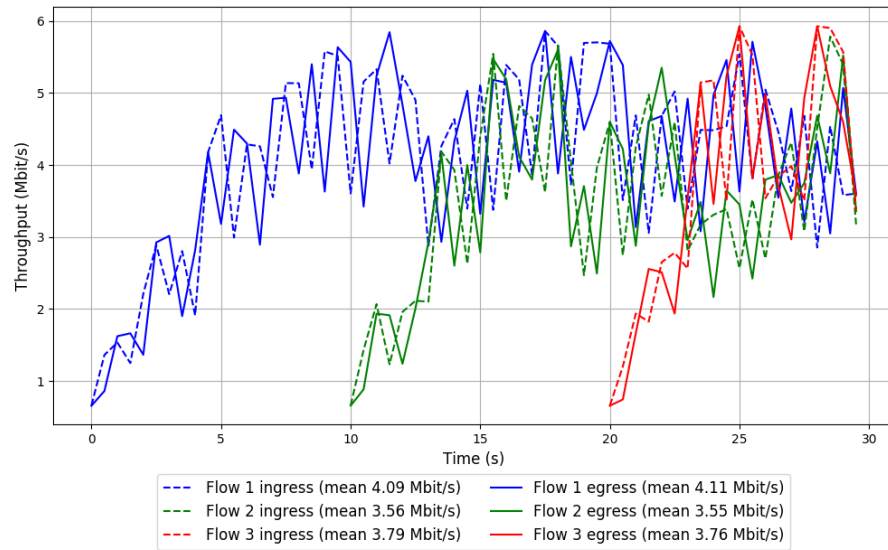


Run 9: Statistics of Sprout

Start at: 2018-03-06 15:13:19
End at: 2018-03-06 15:13:49
Local clock offset: -6.022 ms
Remote clock offset: -5.721 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.69 Mbit/s
95th percentile per-packet one-way delay: 91.446 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 91.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 90.928 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 91.393 ms
Loss rate: 2.12%

Run 9: Report of Sprout — Data Link

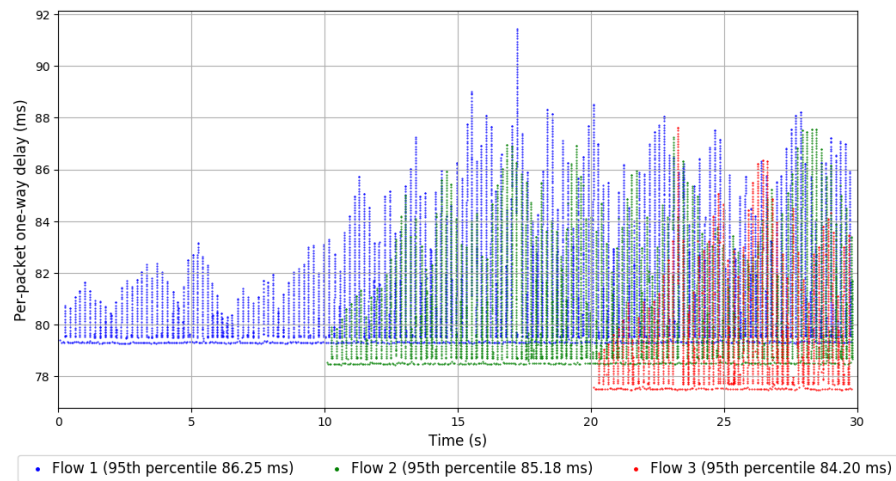
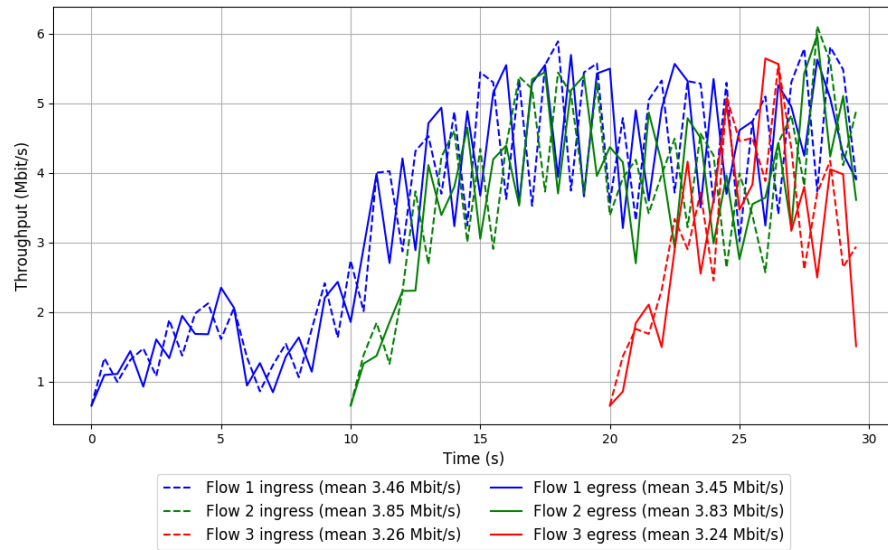


Run 10: Statistics of Sprout

Start at: 2018-03-06 15:36:54
End at: 2018-03-06 15:37:24
Local clock offset: -6.398 ms
Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-03-06 19:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 85.713 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 86.247 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 85.182 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 84.200 ms
Loss rate: 2.23%

Run 10: Report of Sprout — Data Link

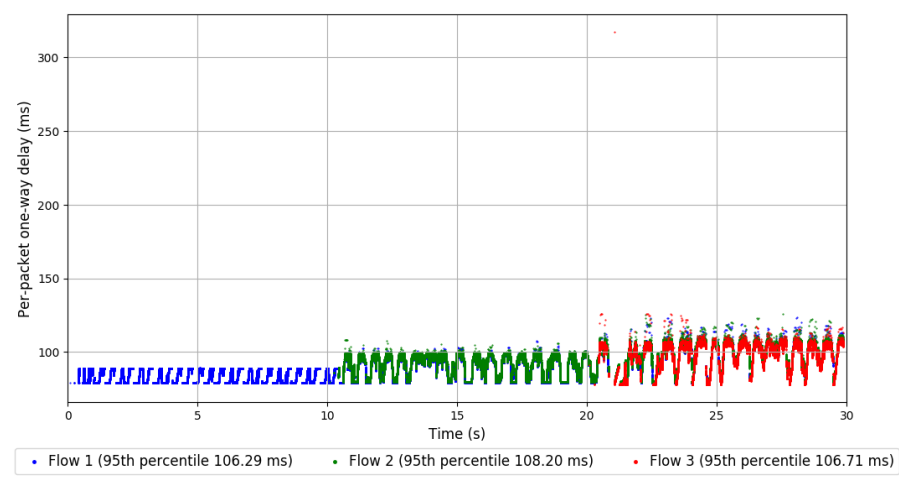
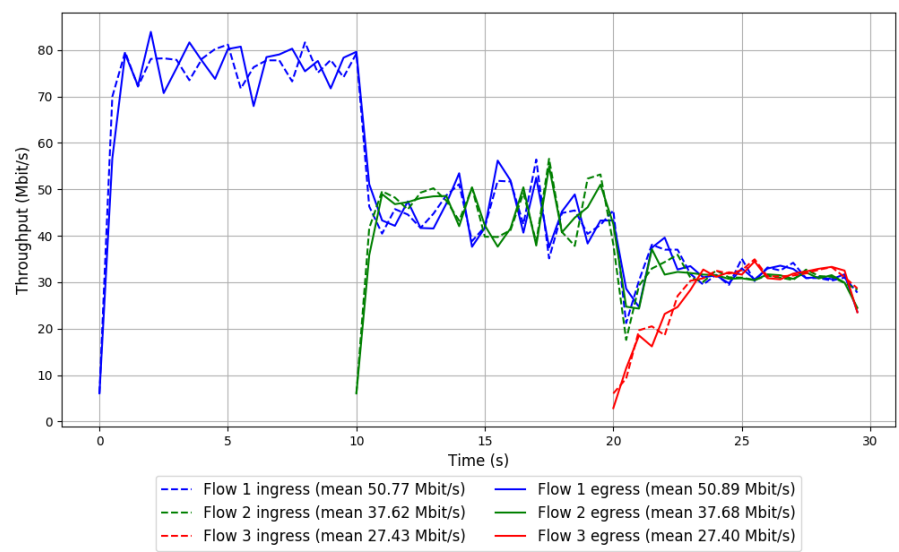


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-06 11:53:55
End at: 2018-03-06 11:54:25
Local clock offset: -6.37 ms
Remote clock offset: 0.459 ms

# Below is generated by plot.py at 2018-03-06 19:49:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 107.267 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 50.89 Mbit/s
95th percentile per-packet one-way delay: 106.287 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 108.199 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 106.714 ms
Loss rate: 1.90%
```


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

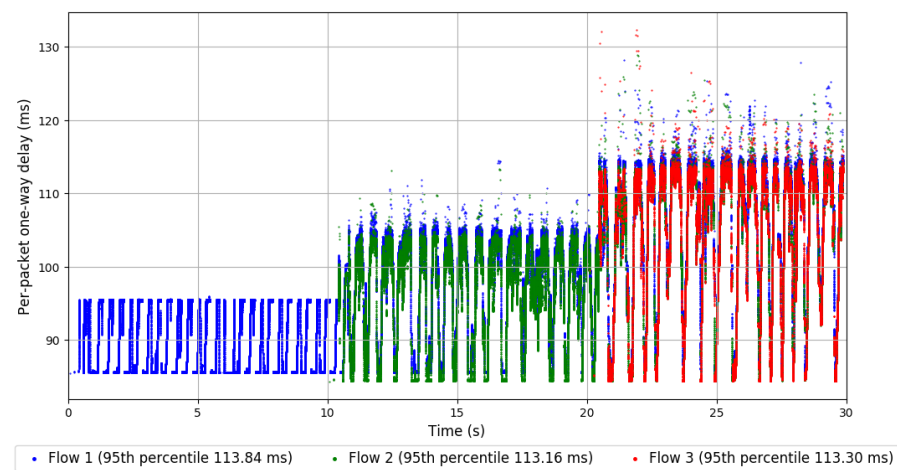
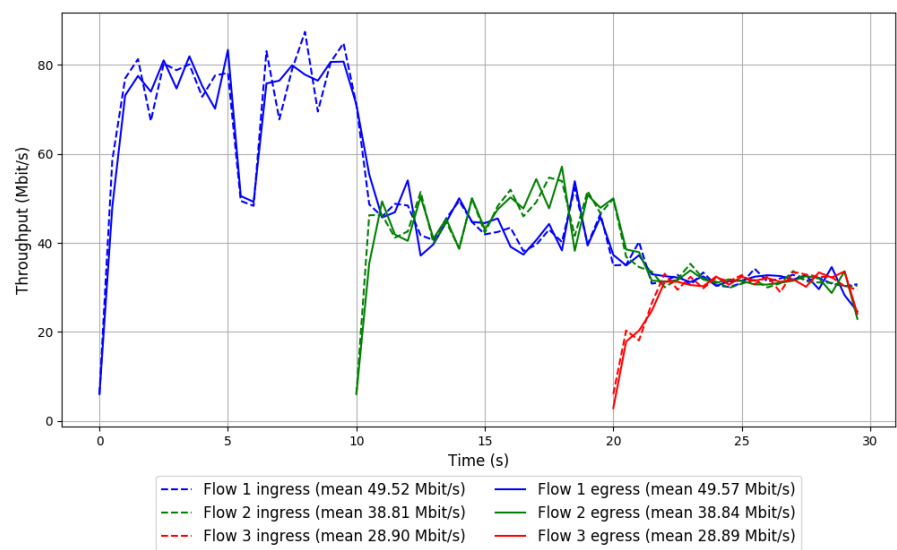


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-06 12:17:28
End at: 2018-03-06 12:17:58
Local clock offset: -7.115 ms
Remote clock offset: -6.178 ms

Below is generated by plot.py at 2018-03-06 19:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 113.273 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 113.838 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 113.161 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 113.299 ms
Loss rate: 1.80%

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

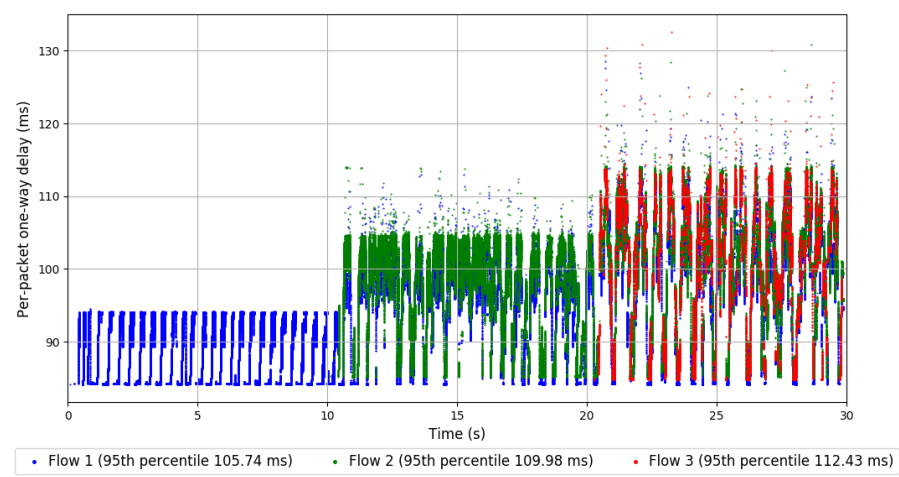
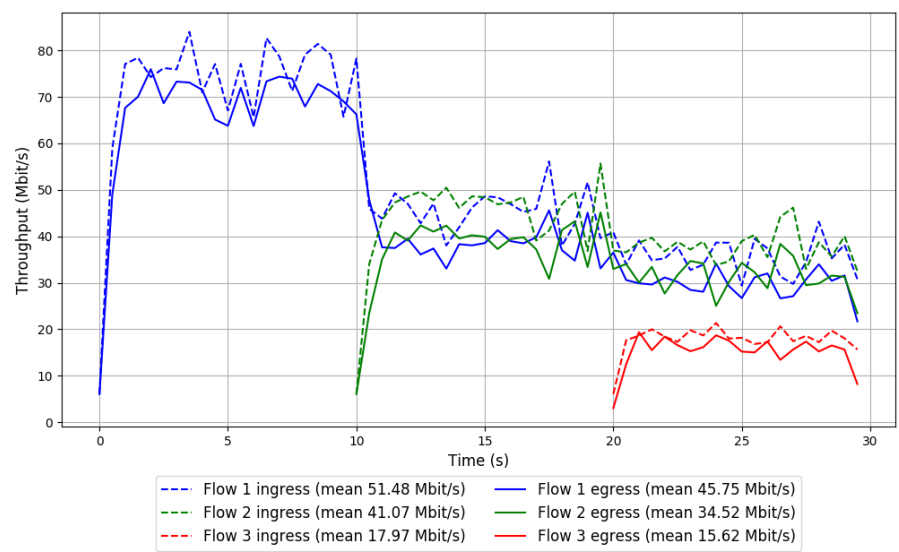


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-06 12:40:57
End at: 2018-03-06 12:41:27
Local clock offset: -6.817 ms
Remote clock offset: -5.163 ms

Below is generated by plot.py at 2018-03-06 19:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 109.051 ms
Loss rate: 13.47%
-- Flow 1:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 105.741 ms
Loss rate: 11.62%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 109.977 ms
Loss rate: 16.65%
-- Flow 3:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 112.427 ms
Loss rate: 14.83%

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

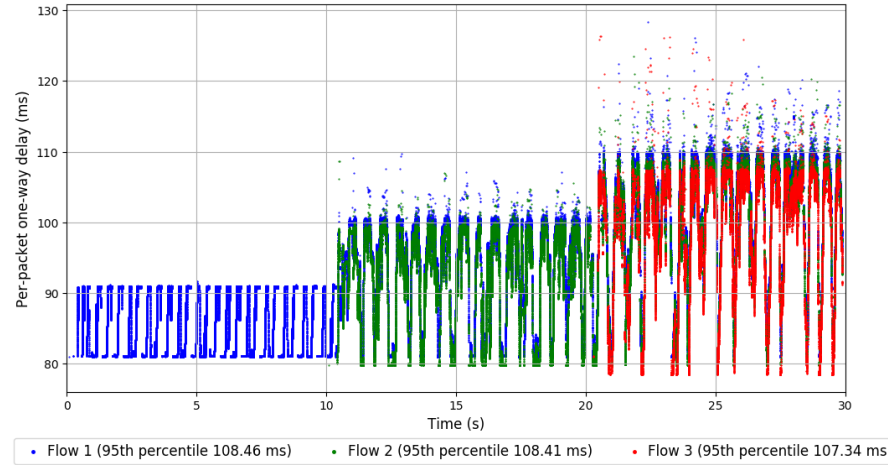
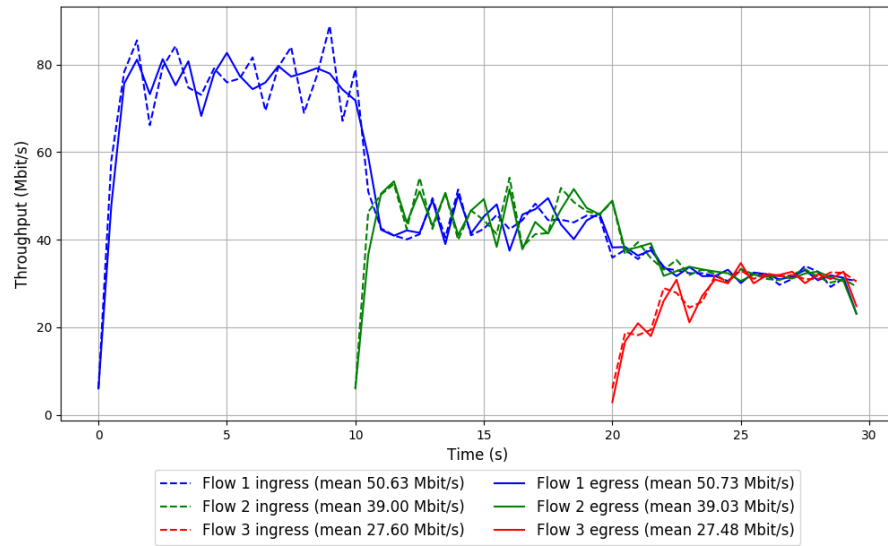


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-06 13:04:48
End at: 2018-03-06 13:05:18
Local clock offset: -6.754 ms
Remote clock offset: -0.988 ms

Below is generated by plot.py at 2018-03-06 19:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: 108.288 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 108.458 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 108.405 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 107.344 ms
Loss rate: 2.27%

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

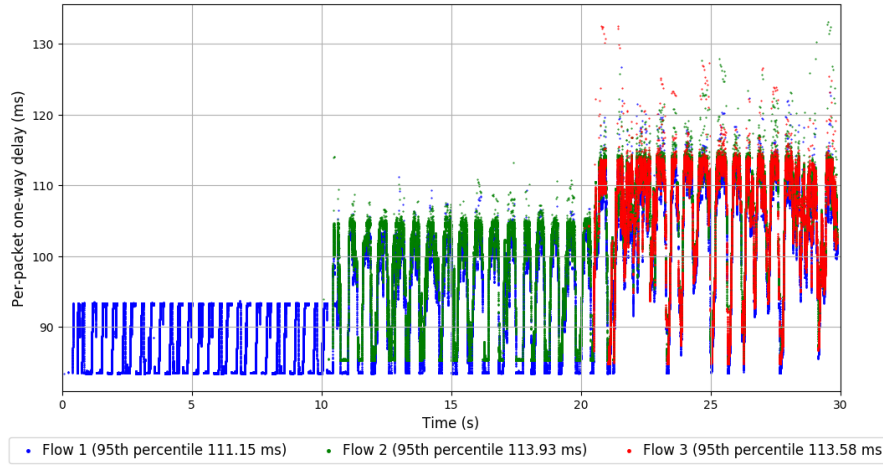
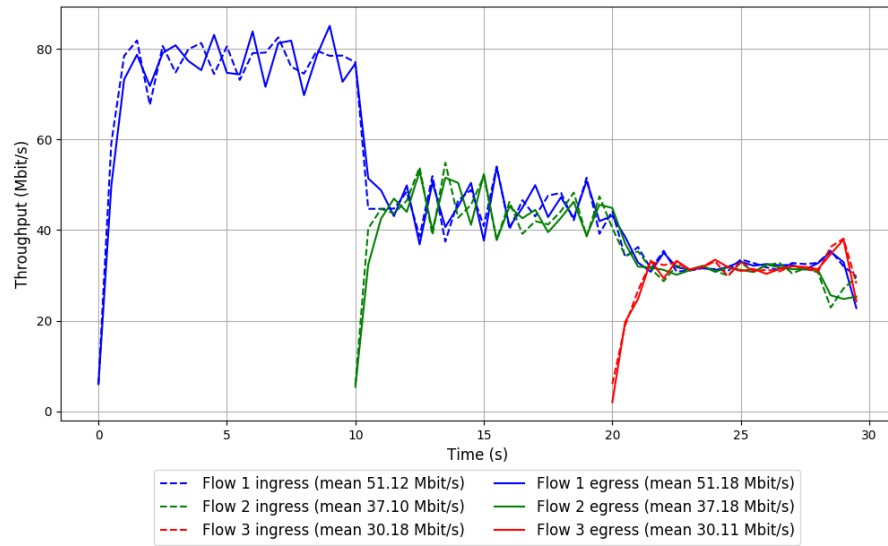


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-06 13:28:21
End at: 2018-03-06 13:28:51
Local clock offset: -6.767 ms
Remote clock offset: -5.469 ms

Below is generated by plot.py at 2018-03-06 19:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 113.129 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 111.149 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 113.929 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 113.584 ms
Loss rate: 1.97%

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

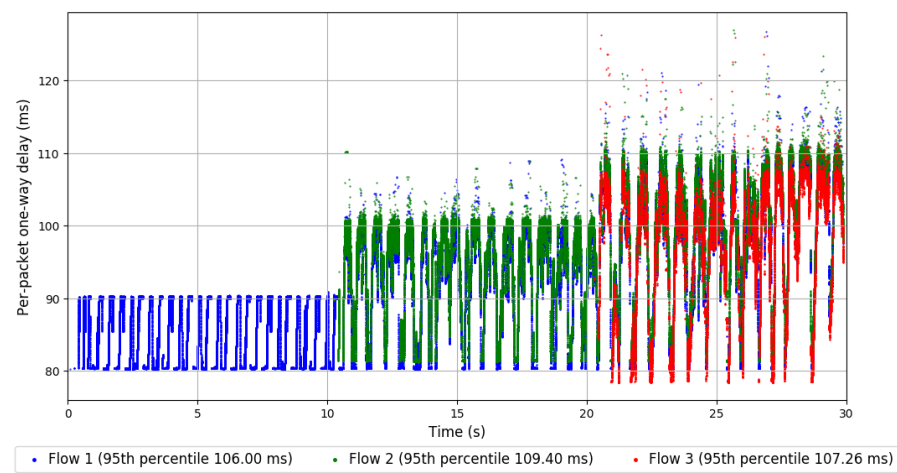
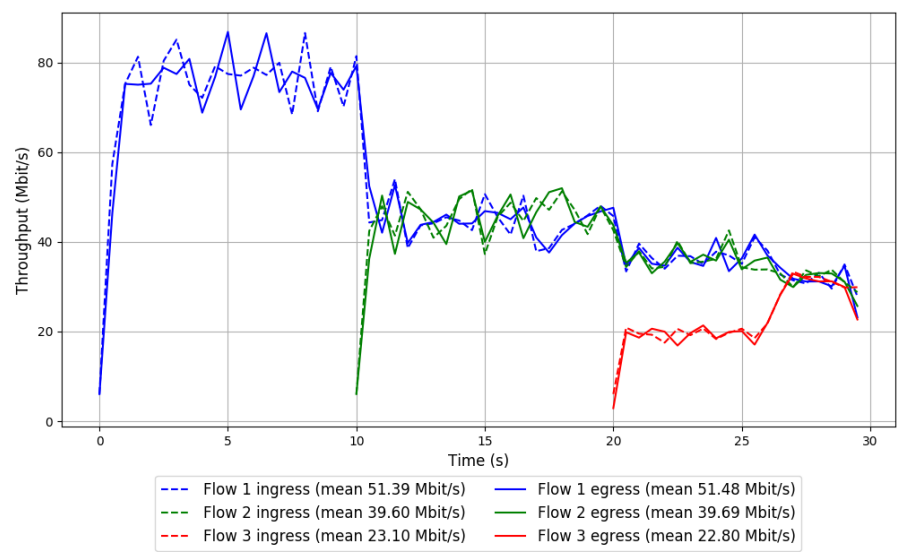


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-06 13:51:52
End at: 2018-03-06 13:52:22
Local clock offset: -6.027 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-03-06 19:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 107.458 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 51.48 Mbit/s
95th percentile per-packet one-way delay: 105.997 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 109.402 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 22.80 Mbit/s
95th percentile per-packet one-way delay: 107.258 ms
Loss rate: 3.09%

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

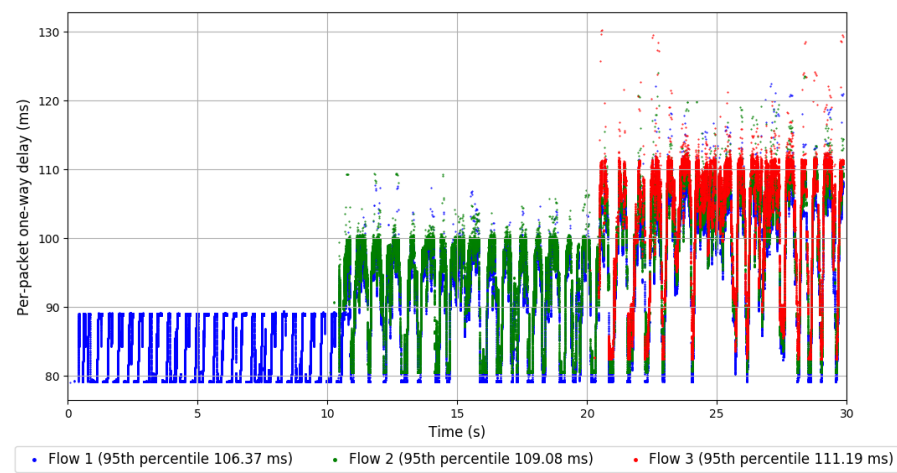
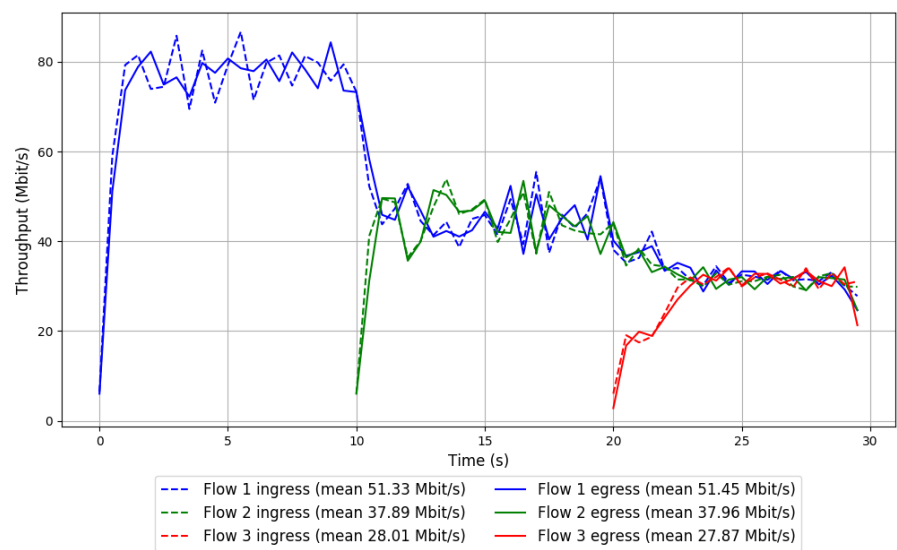


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-06 14:15:25
End at: 2018-03-06 14:15:55
Local clock offset: -5.805 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-03-06 19:50:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 109.045 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 106.372 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 109.076 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 111.192 ms
Loss rate: 2.34%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-06 14:39:17

End at: 2018-03-06 14:39:47

Local clock offset: -5.821 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-03-06 19:50:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 108.069 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 51.15 Mbit/s

95th percentile per-packet one-way delay: 107.112 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 107.893 ms

Loss rate: 0.72%

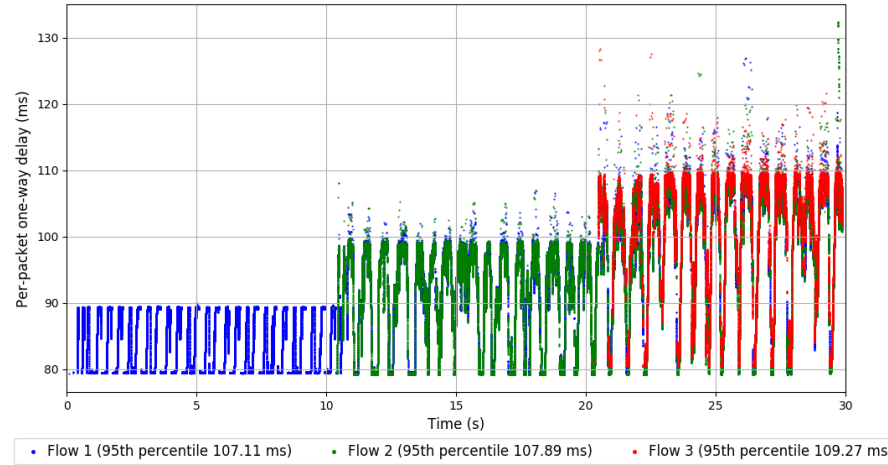
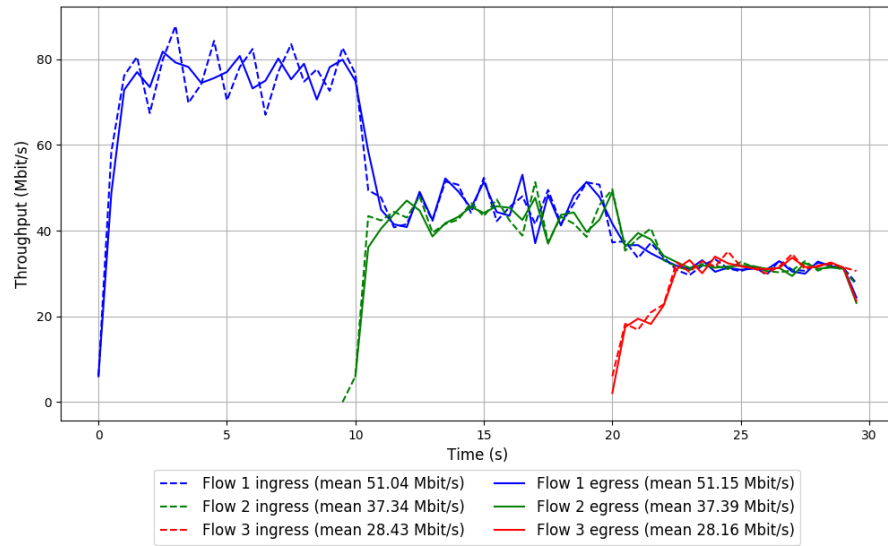
-- Flow 3:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 109.272 ms

Loss rate: 2.46%

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

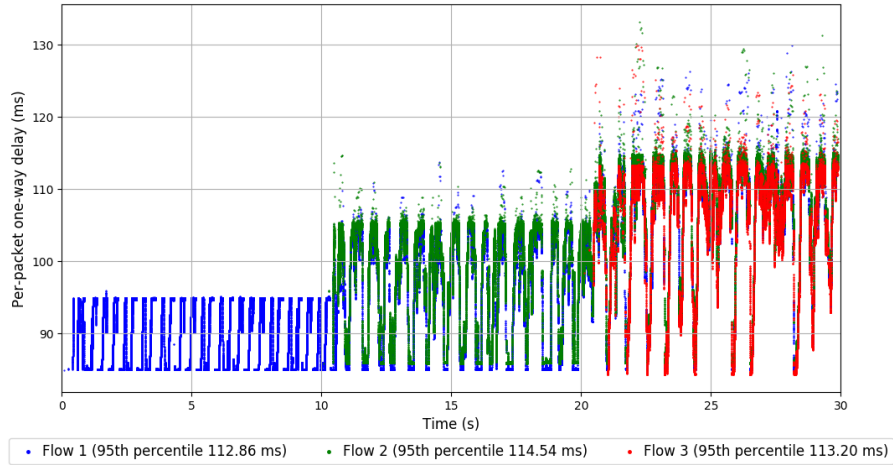
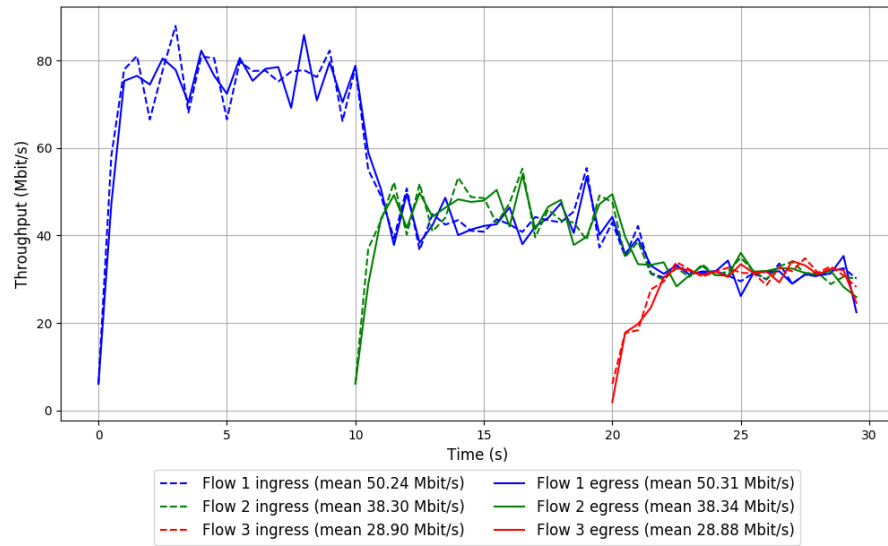


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-06 15:02:47
End at: 2018-03-06 15:03:17
Local clock offset: -6.02 ms
Remote clock offset: -6.618 ms

Below is generated by plot.py at 2018-03-06 19:52:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 113.614 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 112.863 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 114.541 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 113.201 ms
Loss rate: 1.76%

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

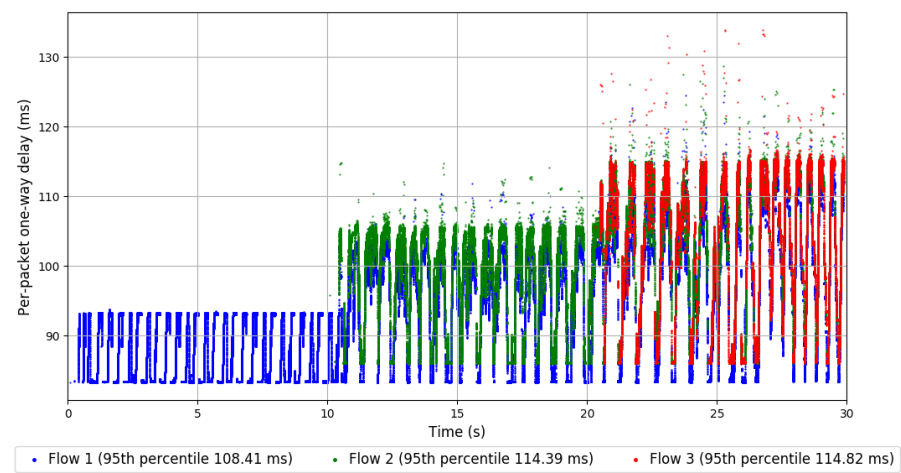
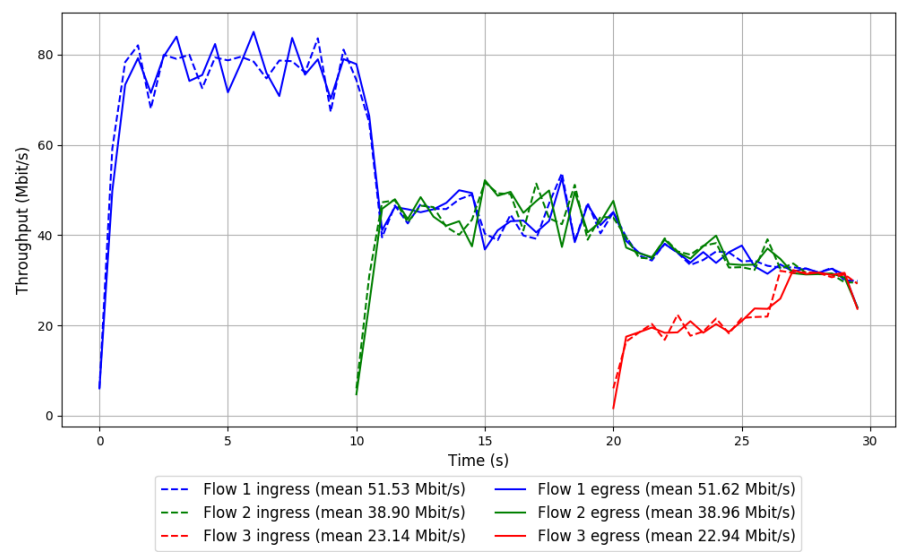


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-06 15:26:22
End at: 2018-03-06 15:26:52
Local clock offset: -6.306 ms
Remote clock offset: -5.752 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 112.317 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 108.406 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 114.392 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 114.824 ms
Loss rate: 2.60%

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

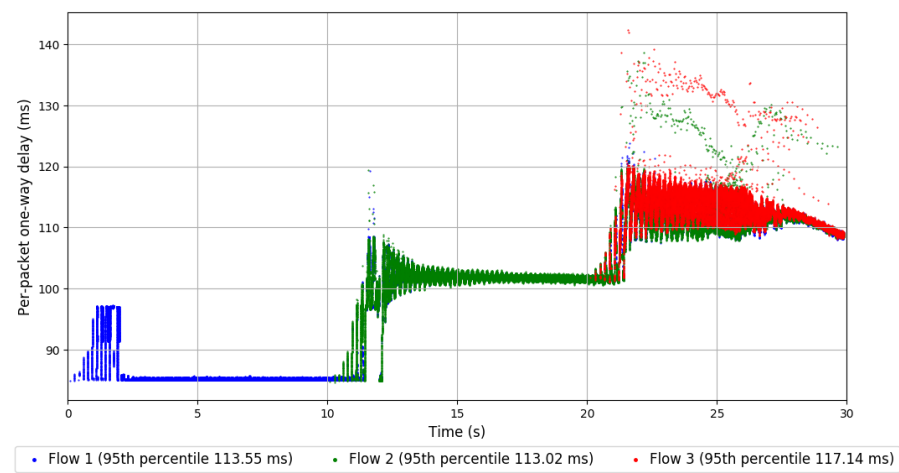
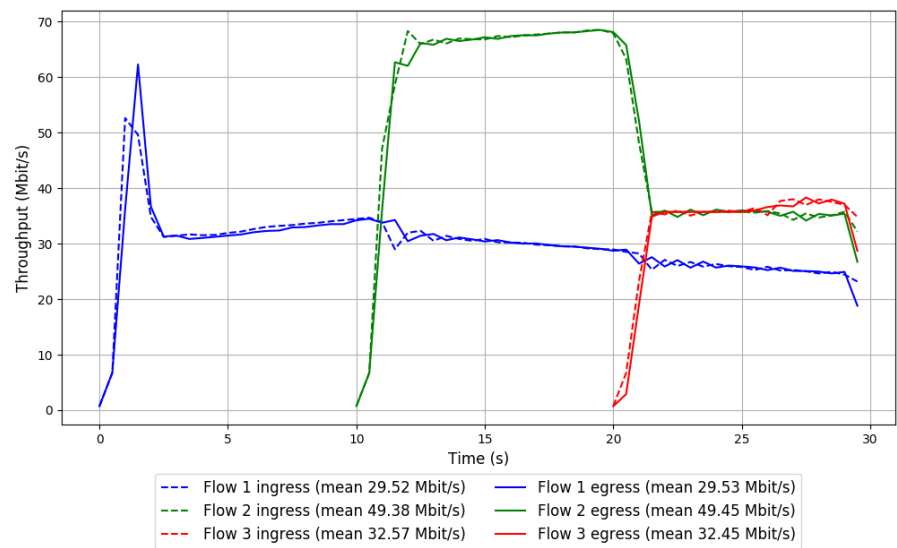


Run 1: Statistics of TCP Vegas

Start at: 2018-03-06 12:07:03
End at: 2018-03-06 12:07:33
Local clock offset: -6.976 ms
Remote clock offset: -5.036 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 115.464 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 113.551 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 113.017 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 117.142 ms
Loss rate: 2.21%

Run 1: Report of TCP Vegas — Data Link

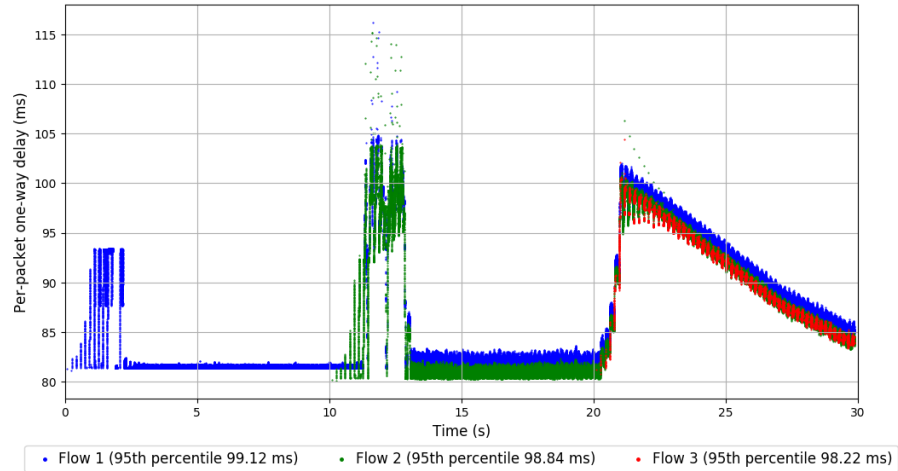
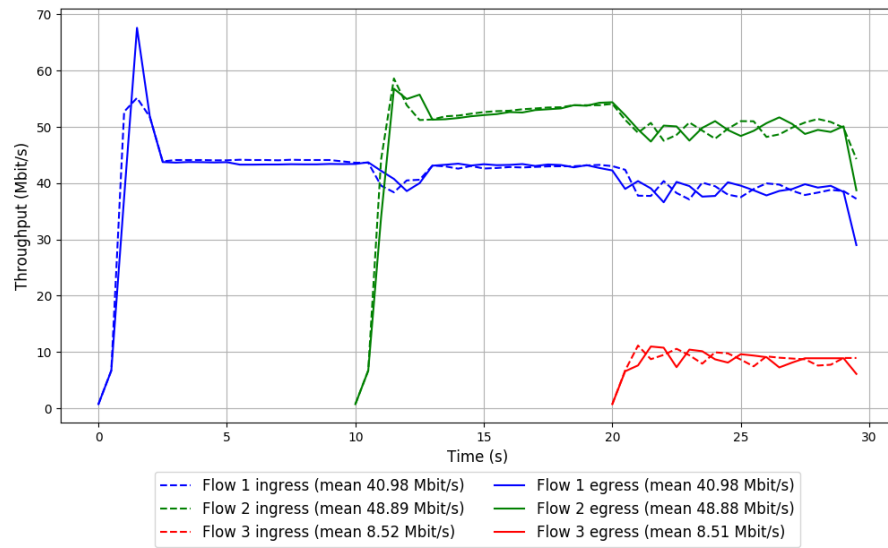


Run 2: Statistics of TCP Vegas

Start at: 2018-03-06 12:30:32
End at: 2018-03-06 12:31:02
Local clock offset: -7.082 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 98.905 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 99.120 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 98.843 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 98.216 ms
Loss rate: 1.79%

Run 2: Report of TCP Vegas — Data Link

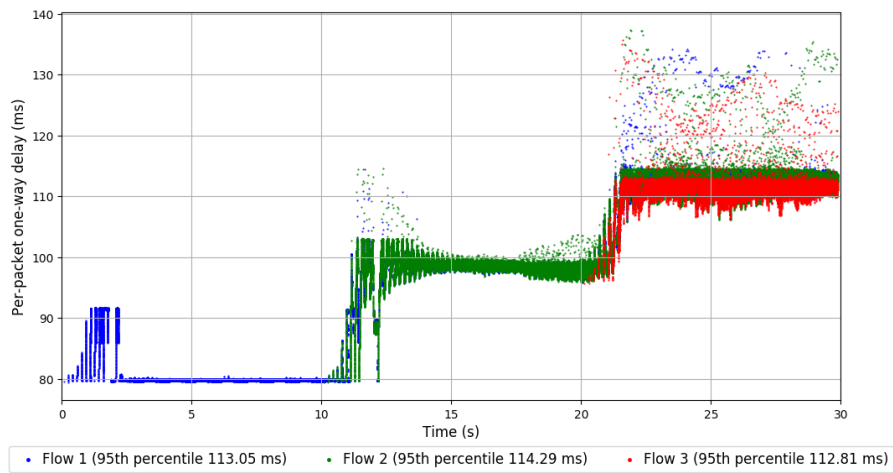
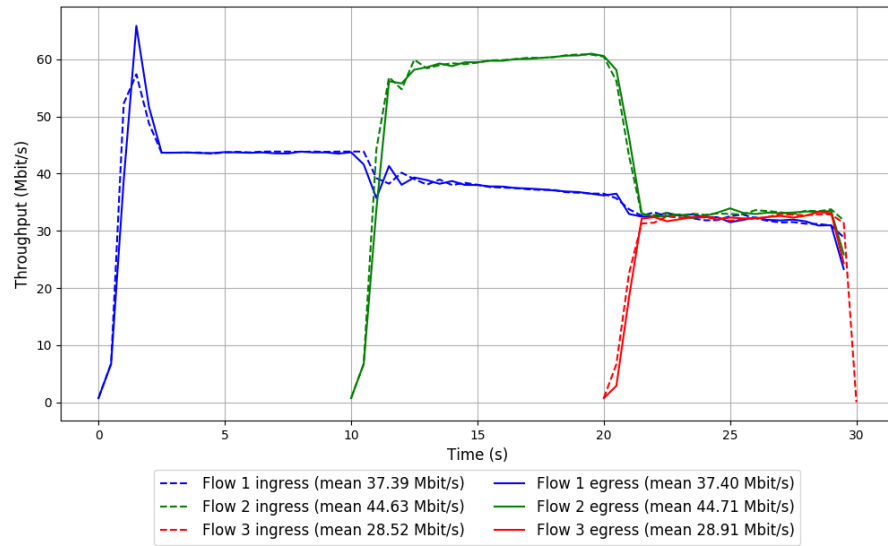


Run 3: Statistics of TCP Vegas

Start at: 2018-03-06 12:54:19
End at: 2018-03-06 12:54:49
Local clock offset: -6.744 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.55 Mbit/s
95th percentile per-packet one-way delay: 113.699 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 113.048 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 114.287 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 112.812 ms
Loss rate: 2.43%

Run 3: Report of TCP Vegas — Data Link

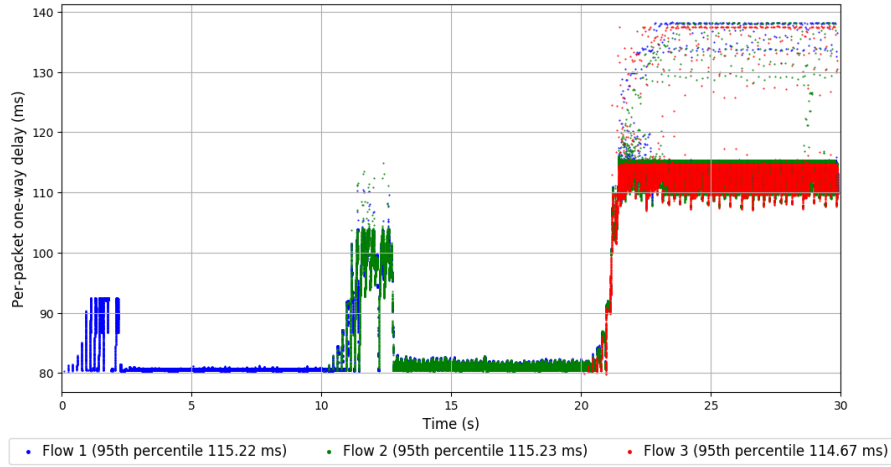
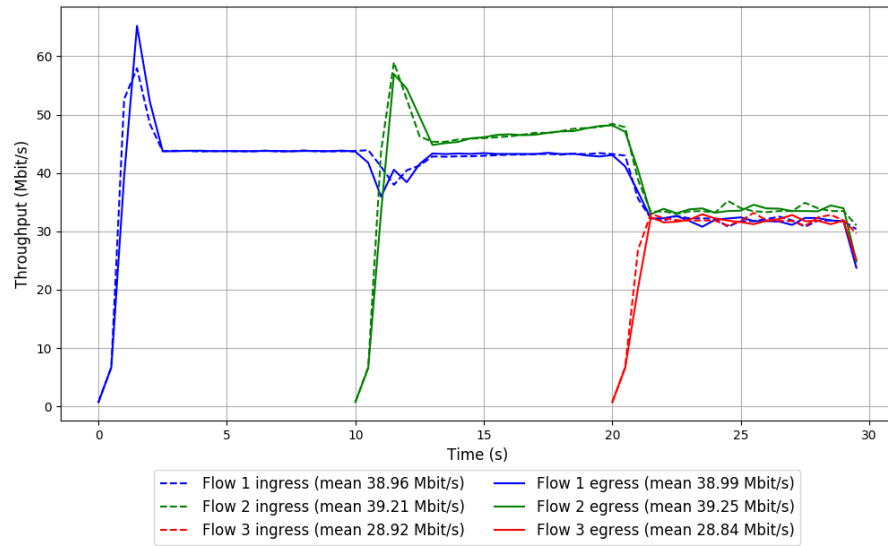


Run 4: Statistics of TCP Vegas

Start at: 2018-03-06 13:17:55
End at: 2018-03-06 13:18:25
Local clock offset: -6.761 ms
Remote clock offset: -0.909 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 115.214 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 115.225 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 115.232 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 28.84 Mbit/s
95th percentile per-packet one-way delay: 114.665 ms
Loss rate: 2.19%

Run 4: Report of TCP Vegas — Data Link

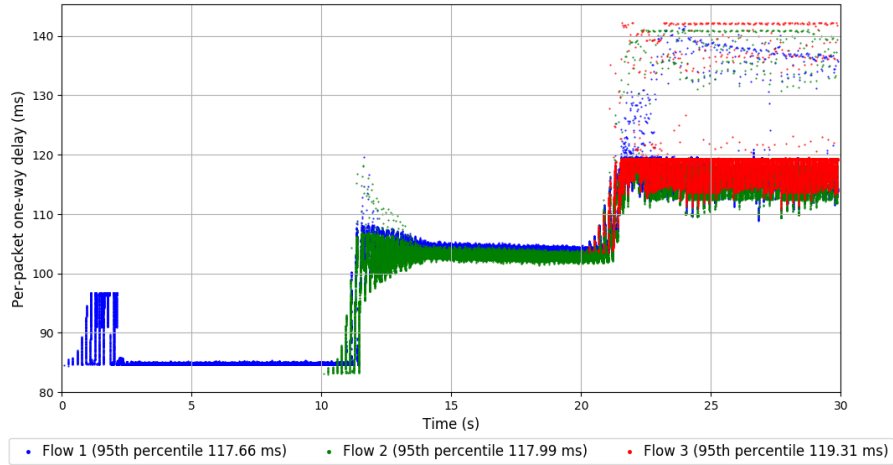
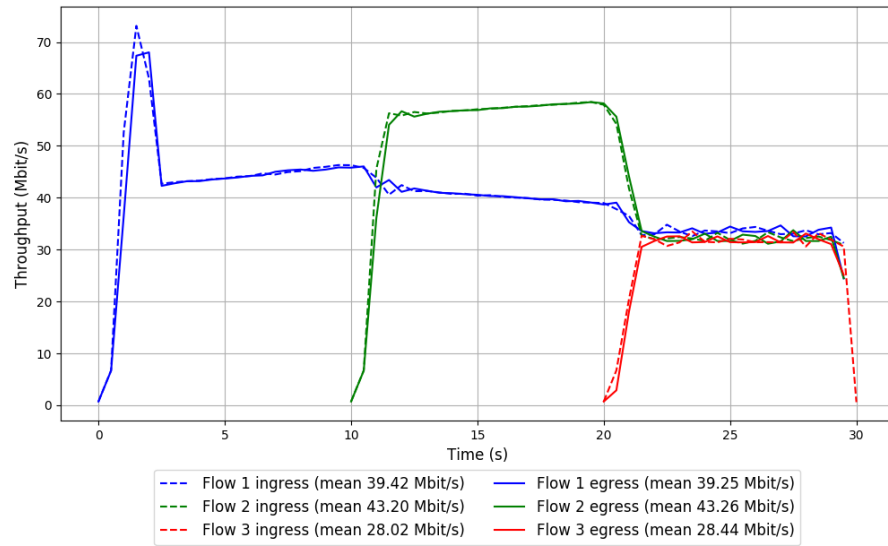


Run 5: Statistics of TCP Vegas

Start at: 2018-03-06 13:41:26
End at: 2018-03-06 13:41:56
Local clock offset: -6.327 ms
Remote clock offset: -5.322 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 119.055 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 117.660 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 117.993 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 119.309 ms
Loss rate: 2.53%

Run 5: Report of TCP Vegas — Data Link

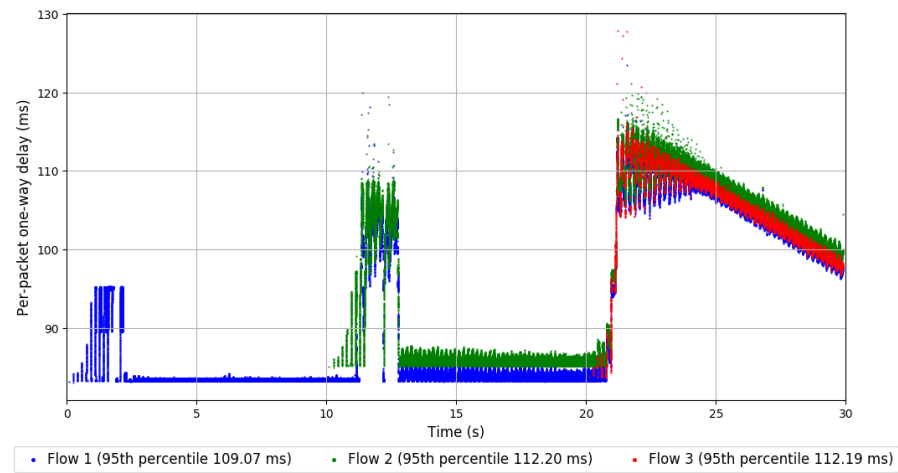
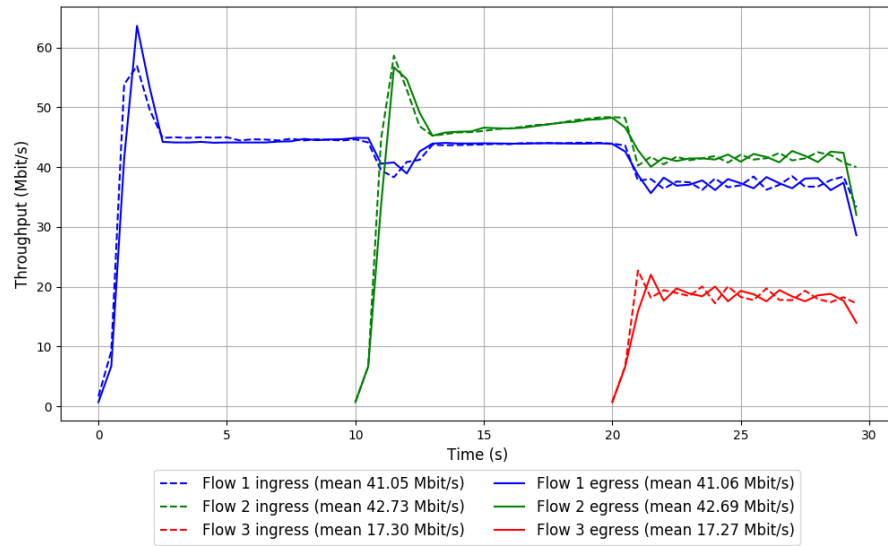


Run 6: Statistics of TCP Vegas

Start at: 2018-03-06 14:04:59
End at: 2018-03-06 14:05:29
Local clock offset: -5.834 ms
Remote clock offset: -4.902 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.06 Mbit/s
95th percentile per-packet one-way delay: 111.077 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 109.068 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 112.200 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 112.193 ms
Loss rate: 1.88%

Run 6: Report of TCP Vegas — Data Link

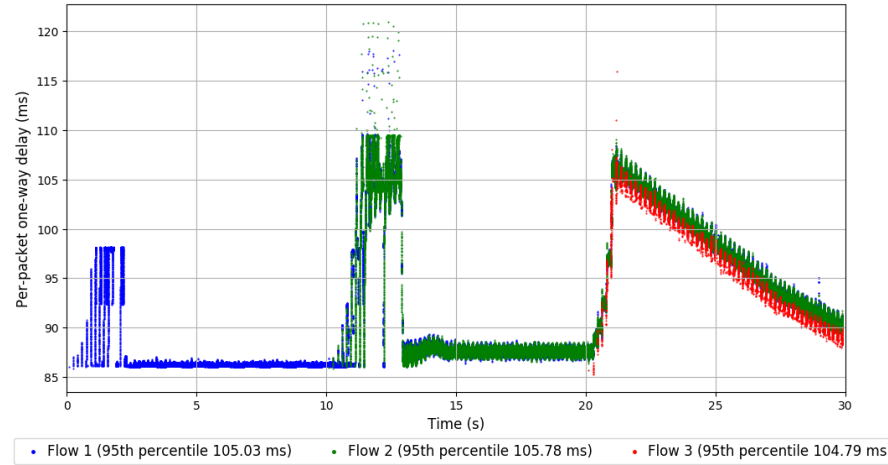
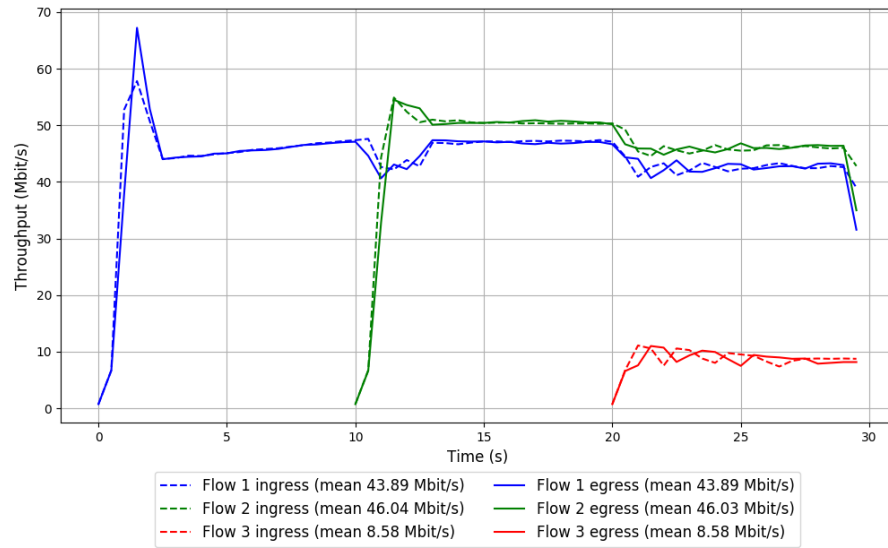


Run 7: Statistics of TCP Vegas

Start at: 2018-03-06 14:28:48
End at: 2018-03-06 14:29:18
Local clock offset: -5.783 ms
Remote clock offset: -5.879 ms

Below is generated by plot.py at 2018-03-06 19:52:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 105.413 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 105.025 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 46.03 Mbit/s
95th percentile per-packet one-way delay: 105.777 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 104.792 ms
Loss rate: 1.72%

Run 7: Report of TCP Vegas — Data Link

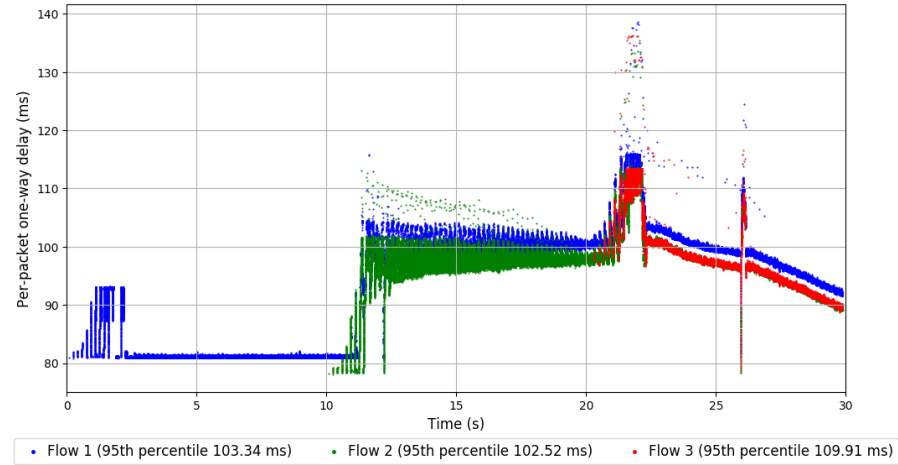
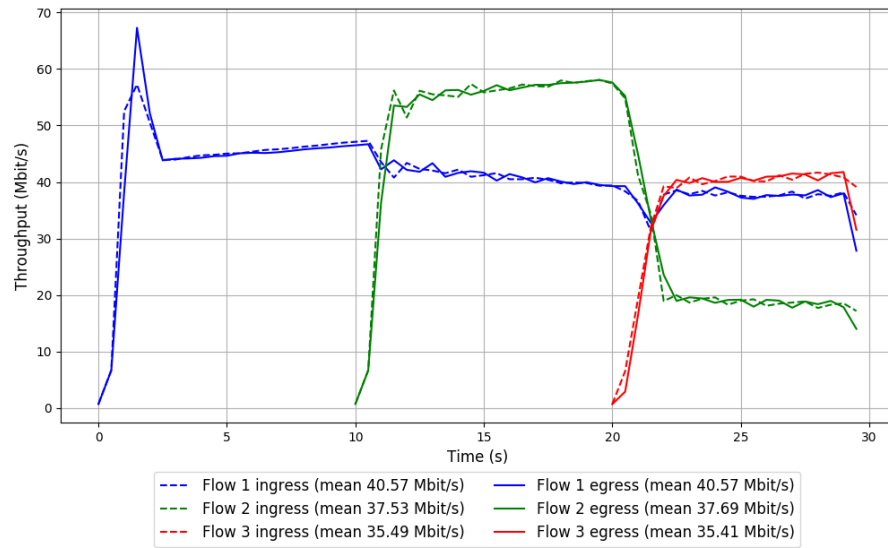


Run 8: Statistics of TCP Vegas

Start at: 2018-03-06 14:52:22
End at: 2018-03-06 14:52:52
Local clock offset: -6.003 ms
Remote clock offset: -1.017 ms

Below is generated by plot.py at 2018-03-06 19:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 104.025 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 103.339 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 102.515 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 109.910 ms
Loss rate: 2.10%

Run 8: Report of TCP Vegas — Data Link

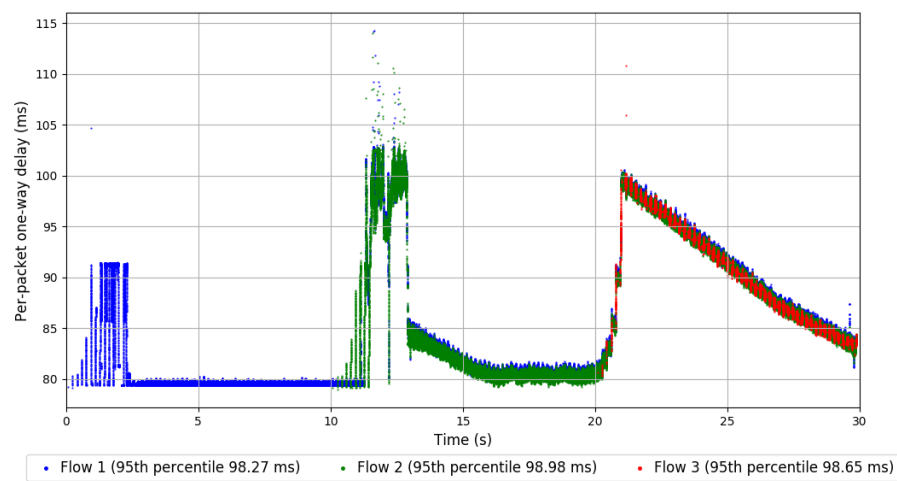
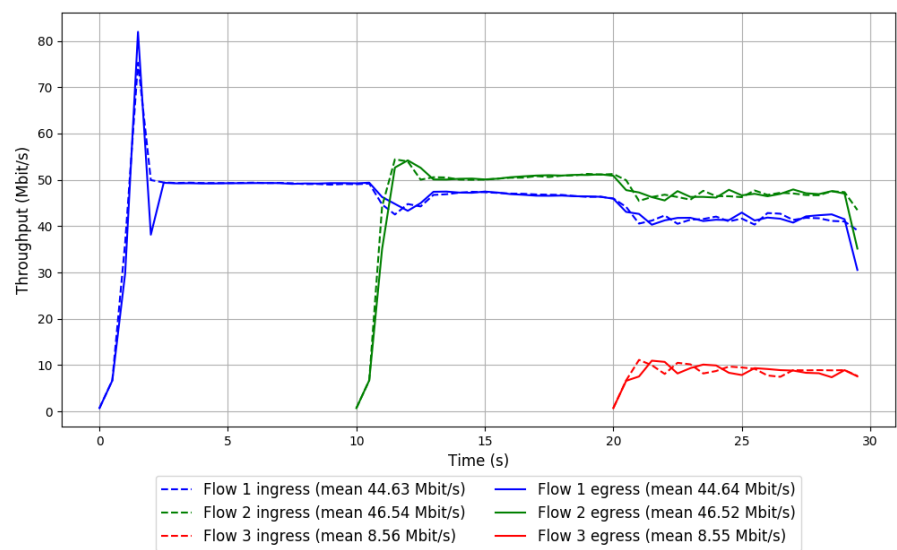


Run 9: Statistics of TCP Vegas

Start at: 2018-03-06 15:15:54
End at: 2018-03-06 15:16:24
Local clock offset: -6.041 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-03-06 19:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.33 Mbit/s
95th percentile per-packet one-way delay: 98.648 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 98.273 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 98.981 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 98.647 ms
Loss rate: 1.75%

Run 9: Report of TCP Vegas — Data Link

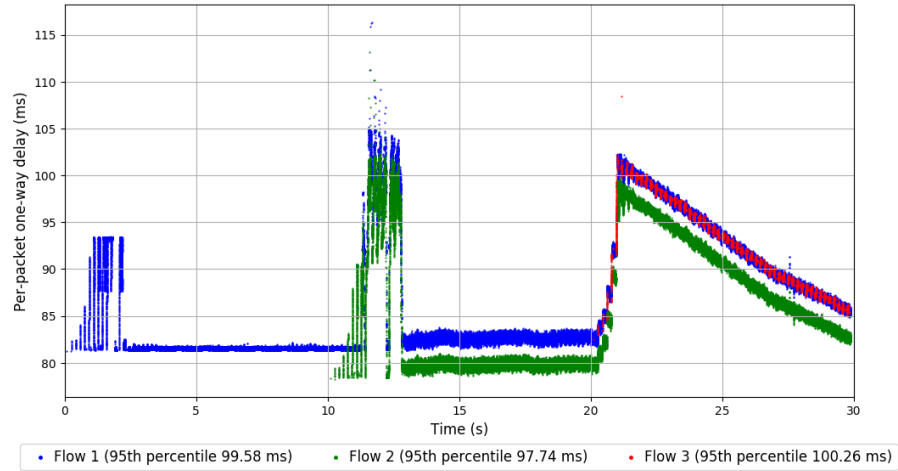
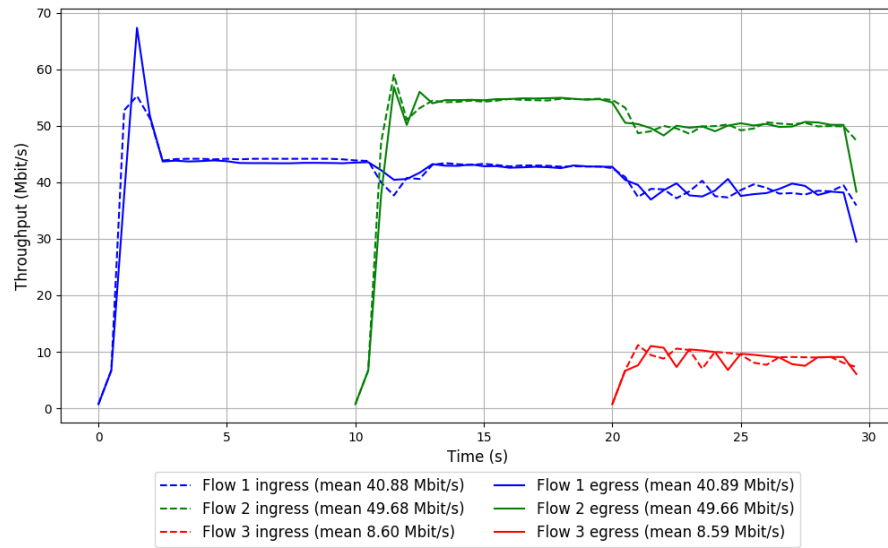


Run 10: Statistics of TCP Vegas

Start at: 2018-03-06 15:39:29
End at: 2018-03-06 15:39:59
Local clock offset: -6.431 ms
Remote clock offset: -0.644 ms

Below is generated by plot.py at 2018-03-06 19:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 98.933 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 99.580 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 97.737 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 100.259 ms
Loss rate: 1.80%

Run 10: Report of TCP Vegas — Data Link

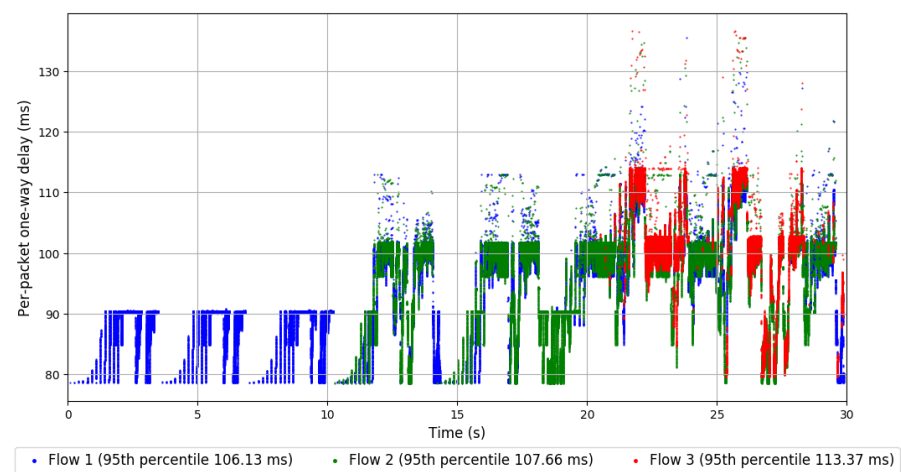
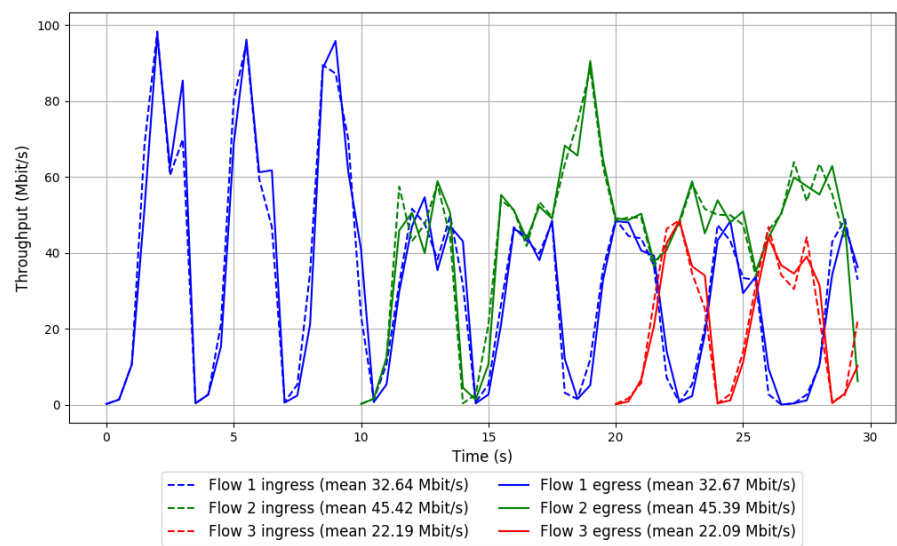


Run 1: Statistics of Verus

Start at: 2018-03-06 11:59:17
End at: 2018-03-06 11:59:47
Local clock offset: -6.66 ms
Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-03-06 19:52:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 109.098 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 106.128 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 107.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 113.366 ms
Loss rate: 2.70%

Run 1: Report of Verus — Data Link

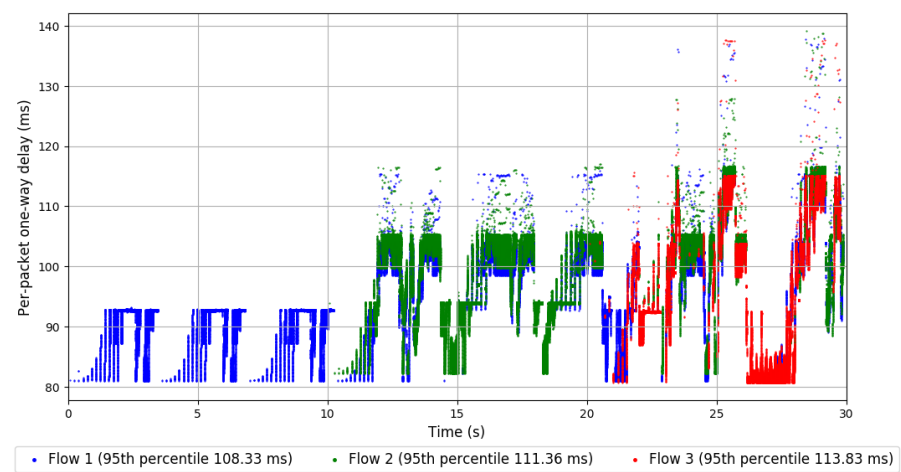
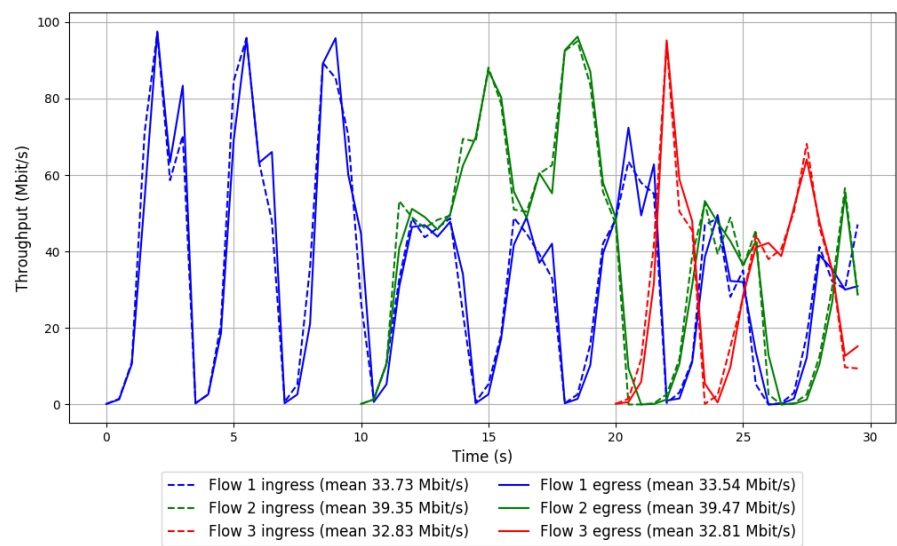


Run 2: Statistics of Verus

Start at: 2018-03-06 12:22:45
End at: 2018-03-06 12:23:15
Local clock offset: -7.202 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-03-06 19:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 111.357 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 108.330 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 111.360 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 113.833 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-03-06 12:46:29

End at: 2018-03-06 12:46:59

Local clock offset: -6.841 ms

Remote clock offset: -6.31 ms

Below is generated by plot.py at 2018-03-06 19:53:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.21 Mbit/s

95th percentile per-packet one-way delay: 120.056 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 32.31 Mbit/s

95th percentile per-packet one-way delay: 118.450 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 38.06 Mbit/s

95th percentile per-packet one-way delay: 120.599 ms

Loss rate: 0.89%

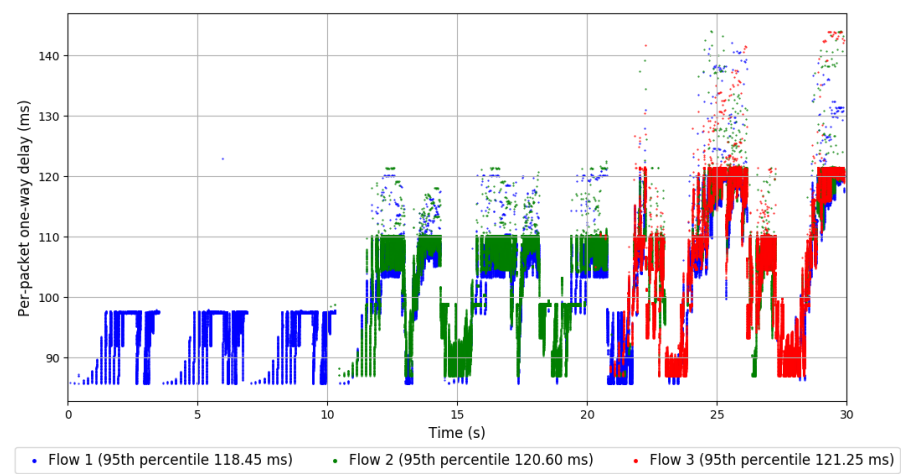
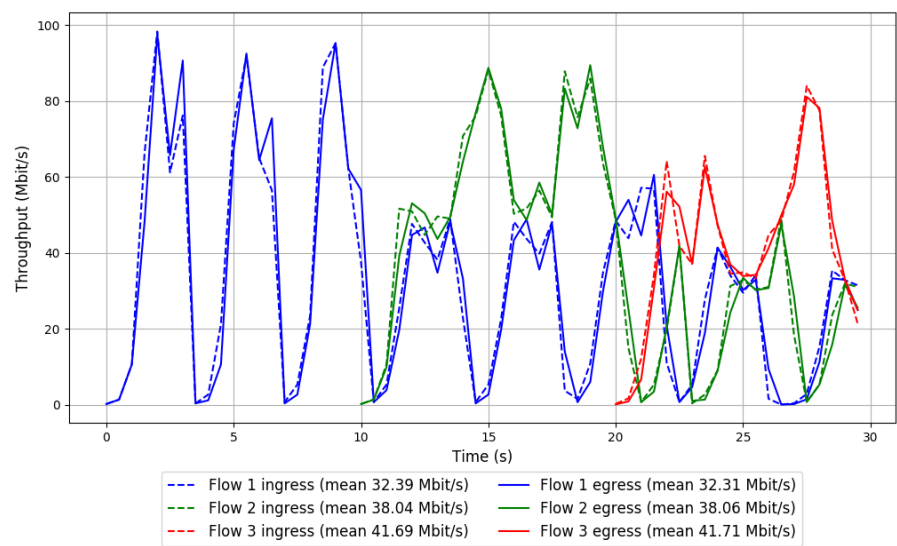
-- Flow 3:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 121.254 ms

Loss rate: 0.51%

Run 3: Report of Verus — Data Link

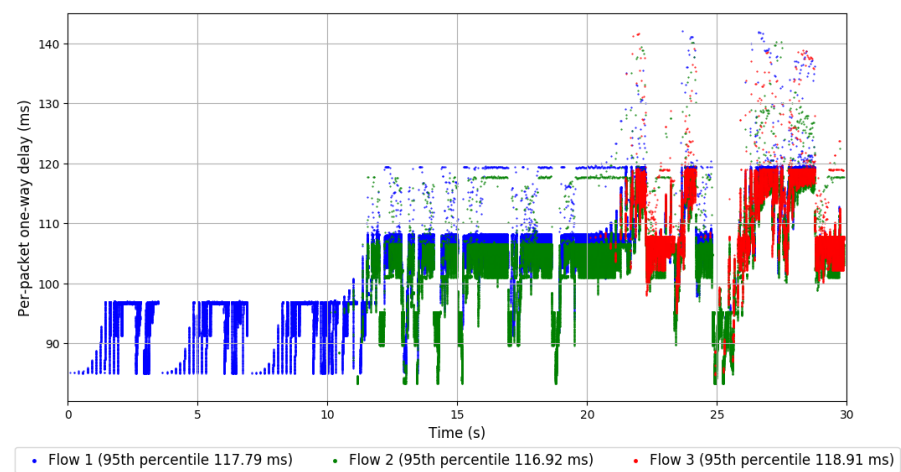
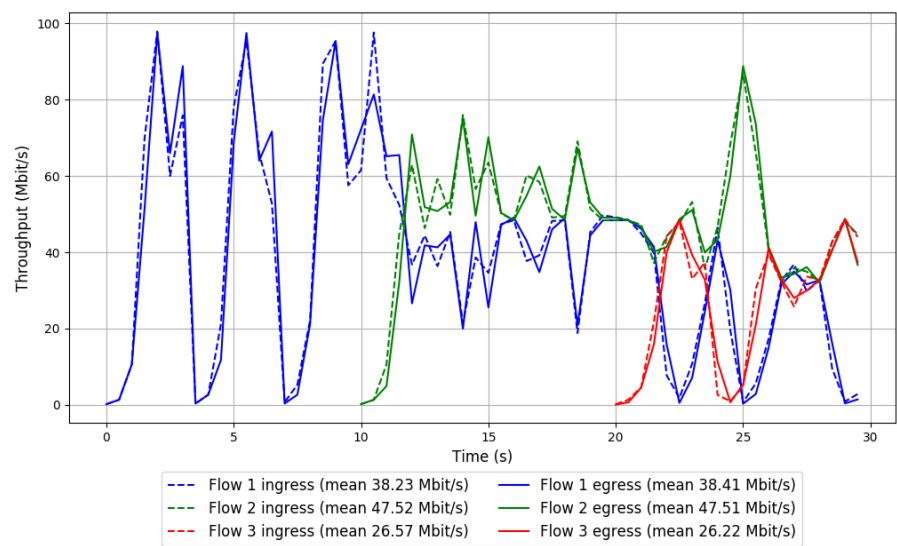


Run 4: Statistics of Verus

Start at: 2018-03-06 13:10:06
End at: 2018-03-06 13:10:36
Local clock offset: -6.736 ms
Remote clock offset: -5.837 ms

Below is generated by plot.py at 2018-03-06 19:53:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.30 Mbit/s
95th percentile per-packet one-way delay: 117.698 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 117.792 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 116.916 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 118.911 ms
Loss rate: 3.34%

Run 4: Report of Verus — Data Link

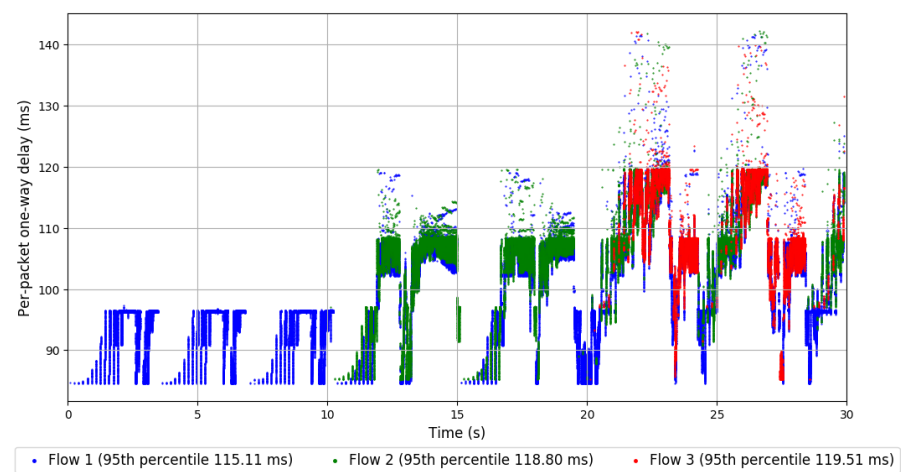
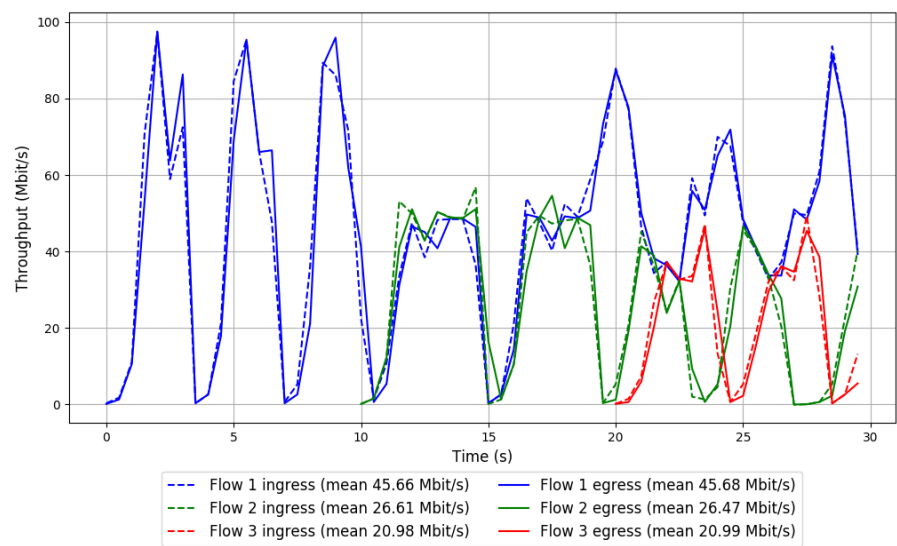


Run 5: Statistics of Verus

Start at: 2018-03-06 13:33:38
End at: 2018-03-06 13:34:08
Local clock offset: -6.821 ms
Remote clock offset: -5.361 ms

Below is generated by plot.py at 2018-03-06 19:53:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 118.277 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 115.110 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 118.802 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 20.99 Mbit/s
95th percentile per-packet one-way delay: 119.512 ms
Loss rate: 1.84%

Run 5: Report of Verus — Data Link

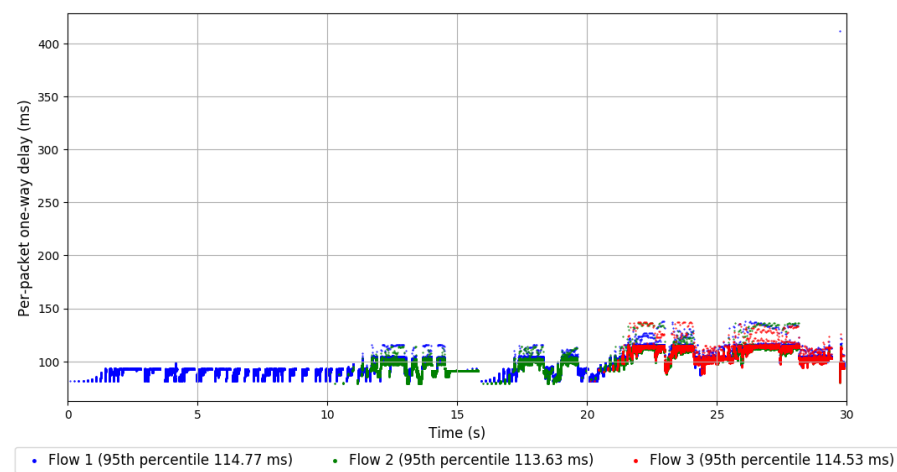
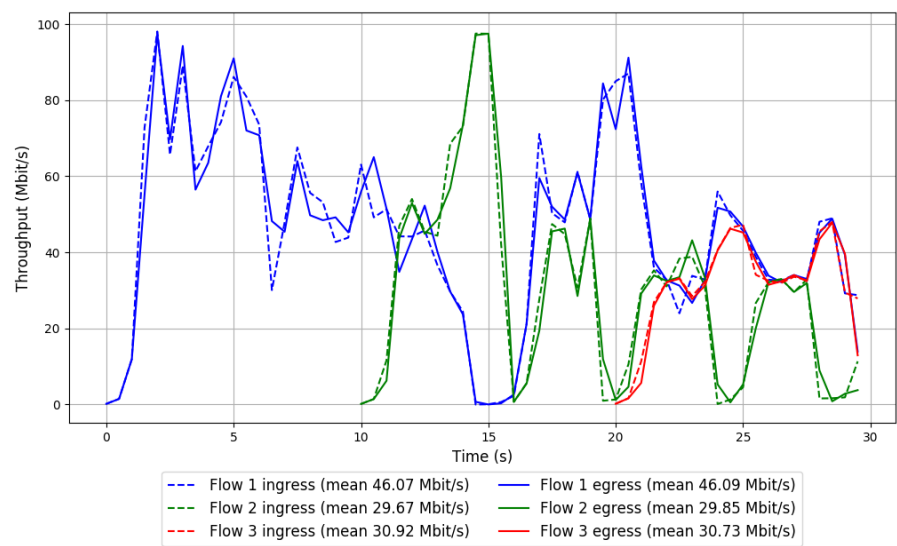


Run 6: Statistics of Verus

Start at: 2018-03-06 13:57:10
End at: 2018-03-06 13:57:40
Local clock offset: -5.919 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-03-06 19:53:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 114.447 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 114.766 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 113.631 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 114.534 ms
Loss rate: 2.43%

Run 6: Report of Verus — Data Link

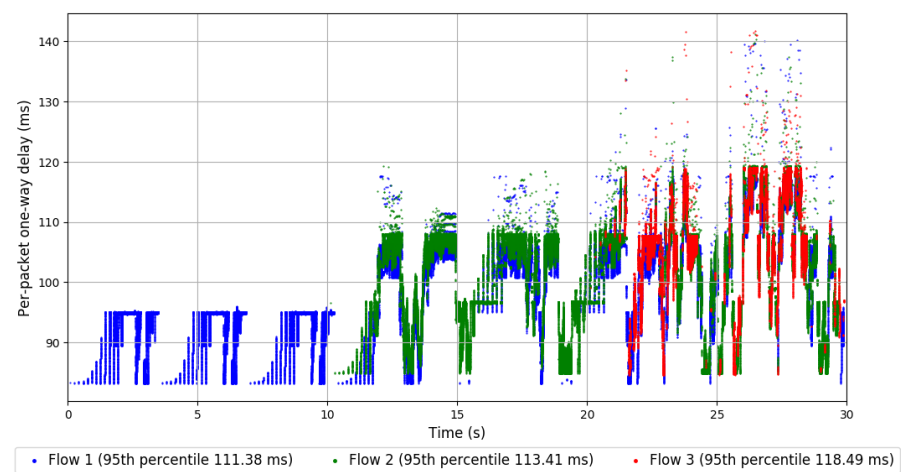
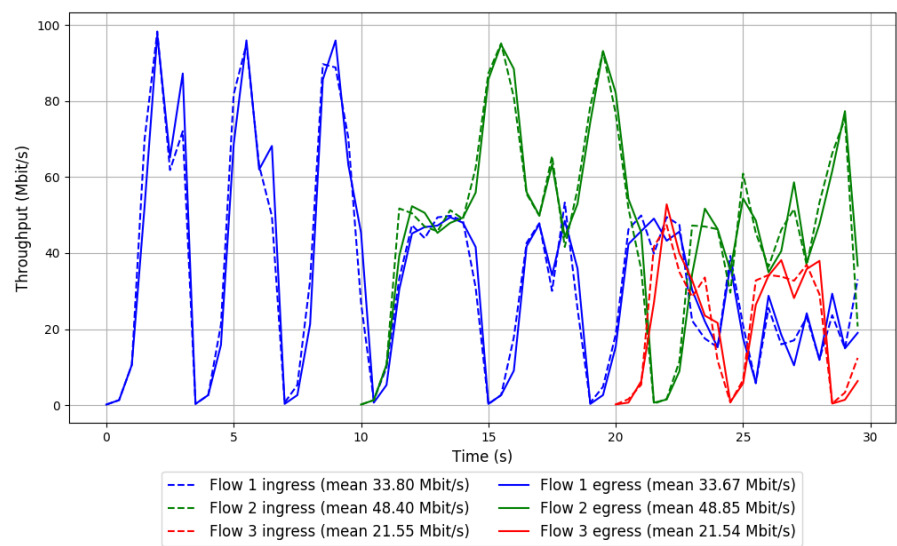


Run 7: Statistics of Verus

Start at: 2018-03-06 14:20:56
End at: 2018-03-06 14:21:26
Local clock offset: -5.897 ms
Remote clock offset: -4.685 ms

Below is generated by plot.py at 2018-03-06 19:53:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 114.024 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 111.383 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 113.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 118.487 ms
Loss rate: 1.87%

Run 7: Report of Verus — Data Link

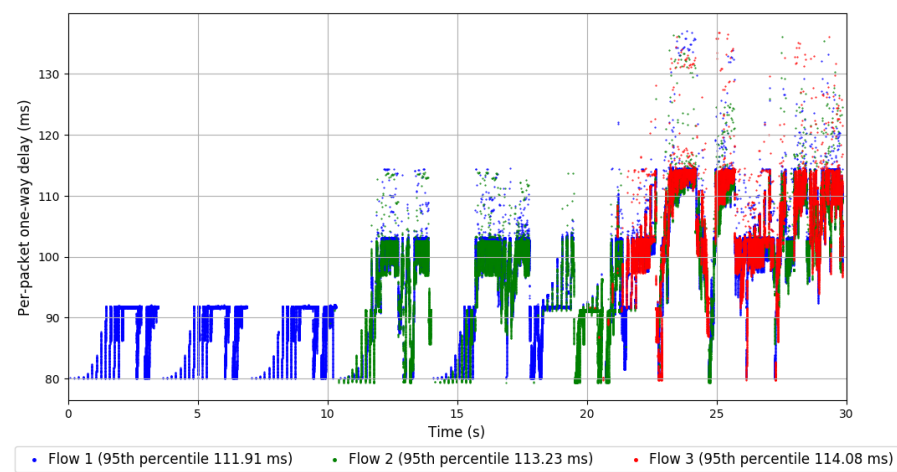
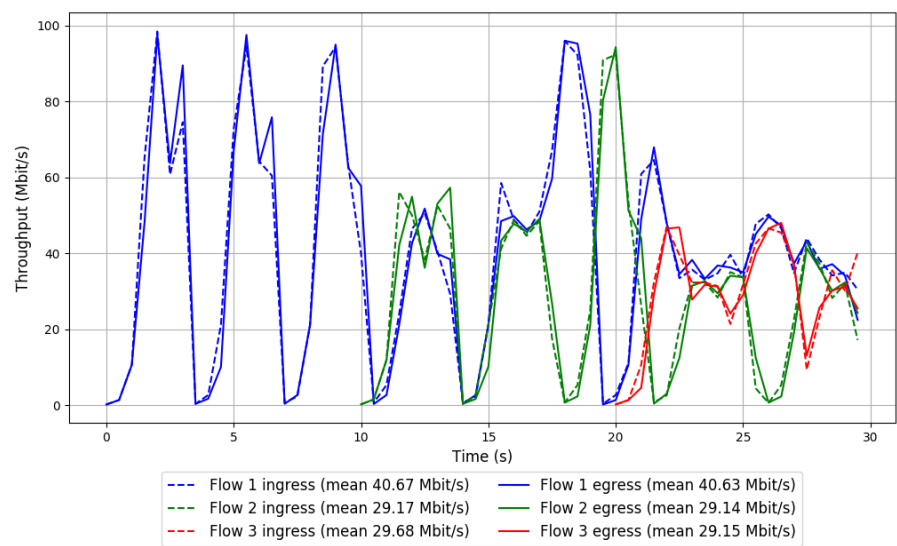


Run 8: Statistics of Verus

Start at: 2018-03-06 14:44:35
End at: 2018-03-06 14:45:05
Local clock offset: -5.754 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2018-03-06 19:53:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.49 Mbit/s
95th percentile per-packet one-way delay: 113.320 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 111.906 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 113.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 114.083 ms
Loss rate: 3.61%

Run 8: Report of Verus — Data Link

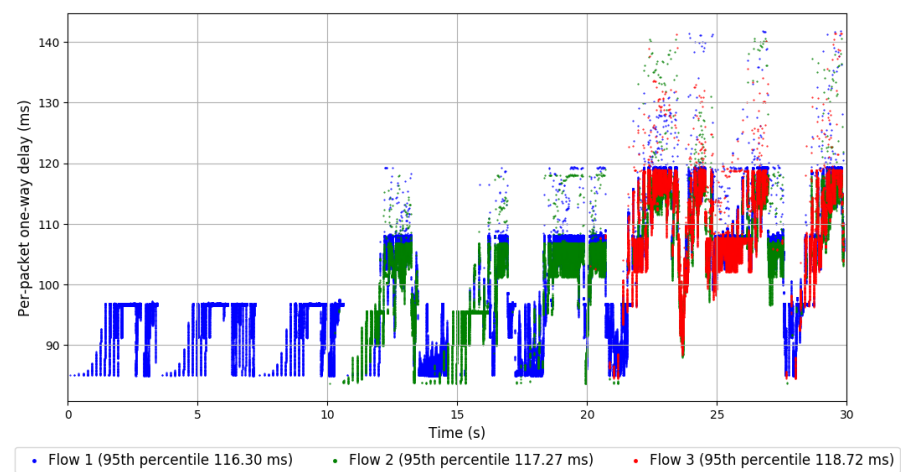
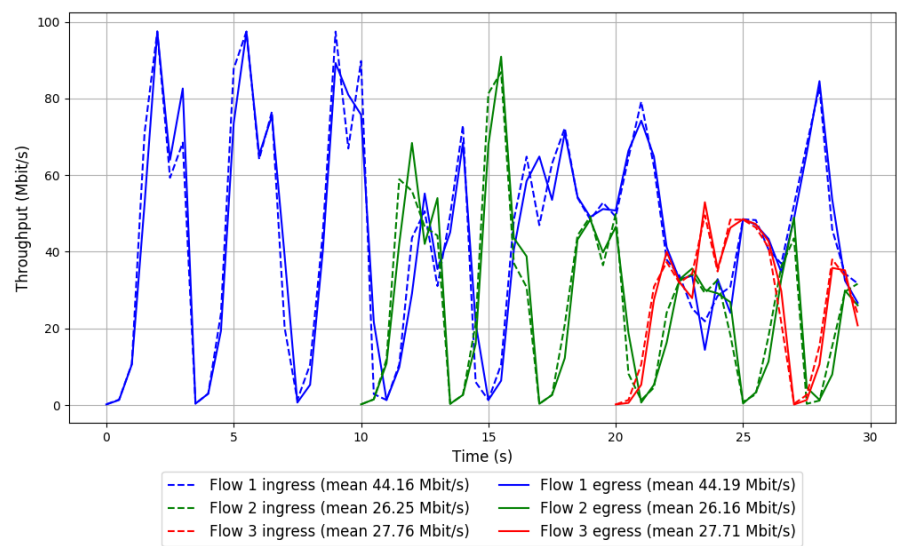


Run 9: Statistics of Verus

Start at: 2018-03-06 15:08:05
End at: 2018-03-06 15:08:35
Local clock offset: -6.019 ms
Remote clock offset: -5.812 ms

Below is generated by plot.py at 2018-03-06 19:53:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 117.520 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 116.300 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 117.268 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 118.715 ms
Loss rate: 1.86%

Run 9: Report of Verus — Data Link

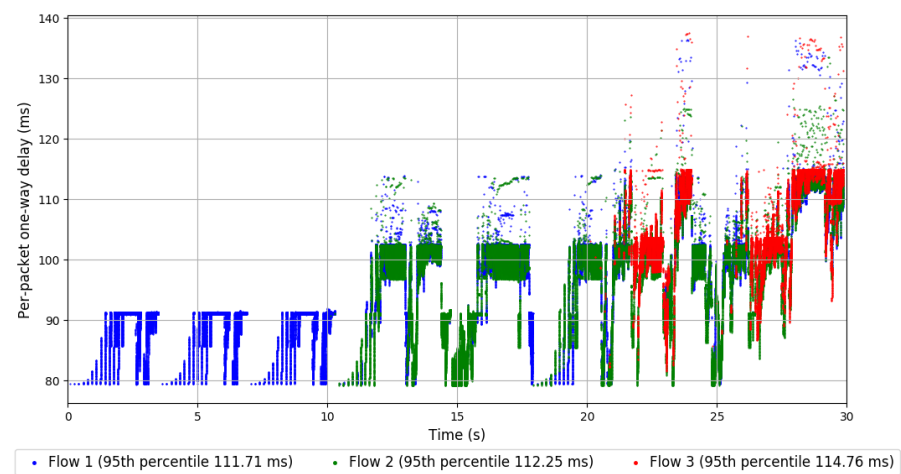
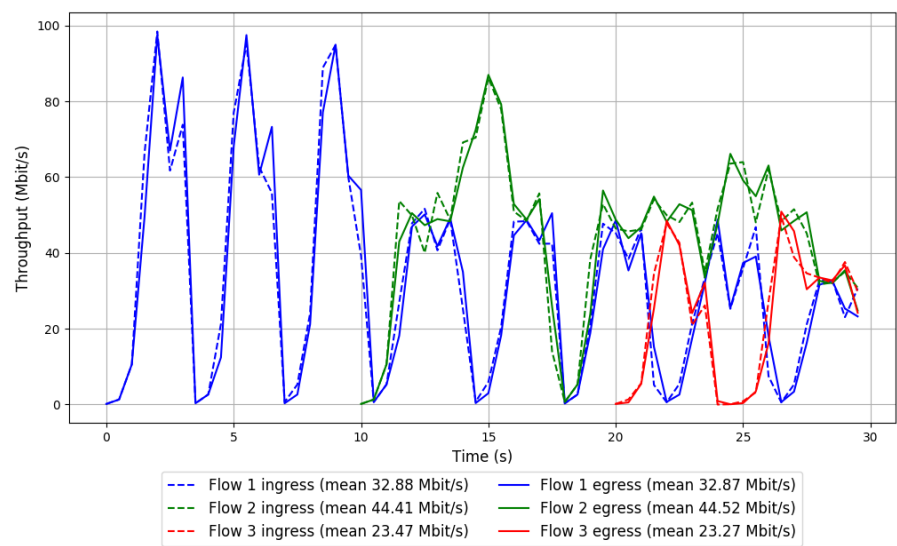


Run 10: Statistics of Verus

Start at: 2018-03-06 15:31:41
End at: 2018-03-06 15:32:11
Local clock offset: -6.323 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-03-06 19:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 113.133 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 114.763 ms
Loss rate: 2.82%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-06 11:50:06

End at: 2018-03-06 11:50:36

Local clock offset: -6.34 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-03-06 19:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 91.854 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 74.45 Mbit/s

95th percentile per-packet one-way delay: 90.411 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 16.78 Mbit/s

95th percentile per-packet one-way delay: 94.995 ms

Loss rate: 0.89%

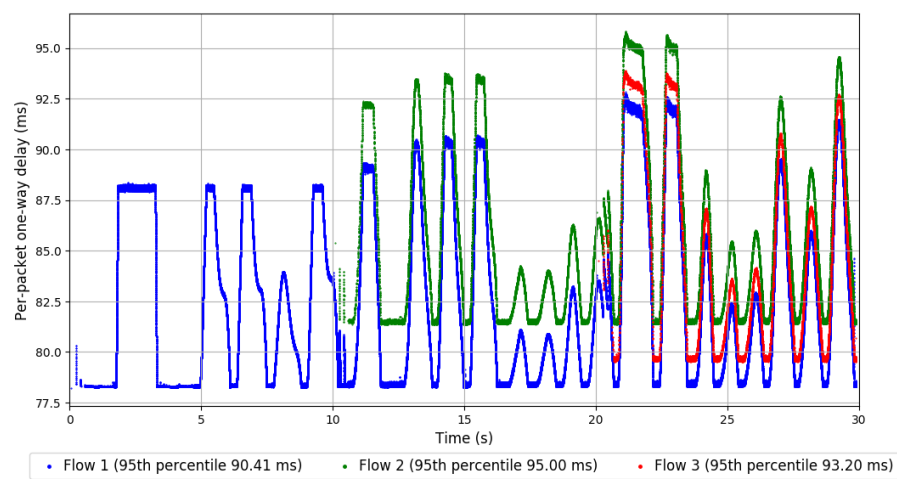
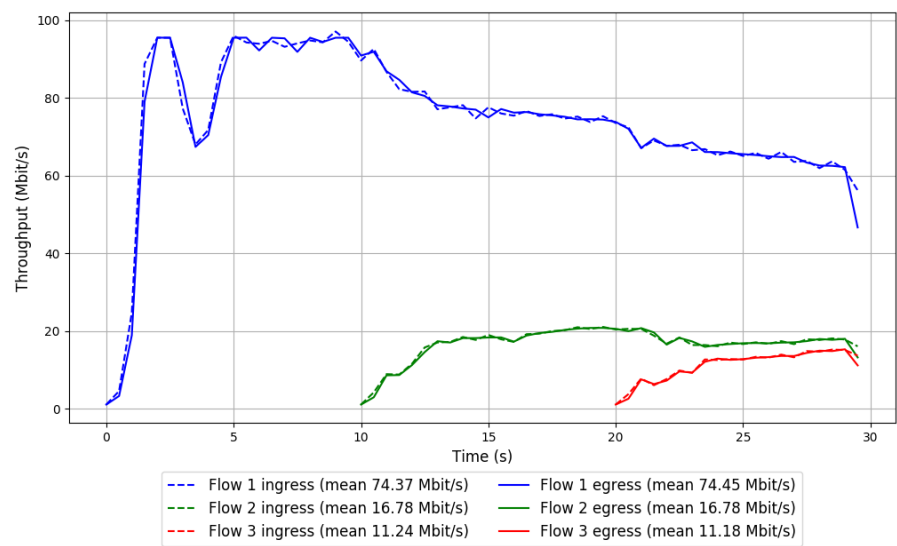
-- Flow 3:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 93.203 ms

Loss rate: 2.27%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-03-06 12:13:38

End at: 2018-03-06 12:14:08

Local clock offset: -7.051 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2018-03-06 19:55:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.44 Mbit/s

95th percentile per-packet one-way delay: 89.294 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 72.44 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 91.530 ms

Loss rate: 1.07%

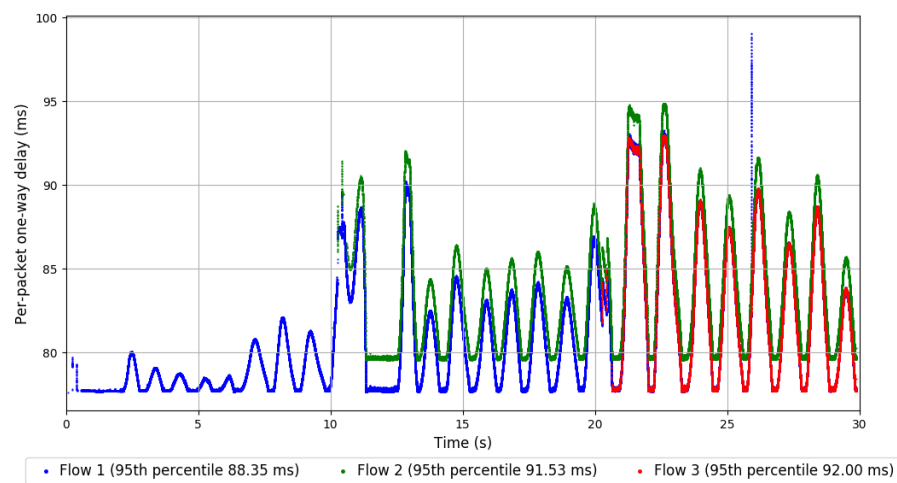
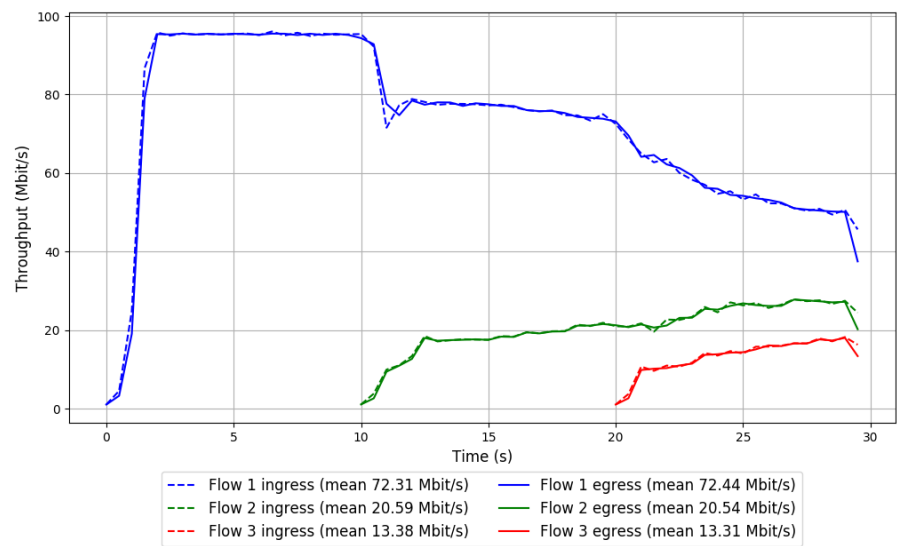
-- Flow 3:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 92.003 ms

Loss rate: 2.22%

Run 2: Report of Copa — Data Link

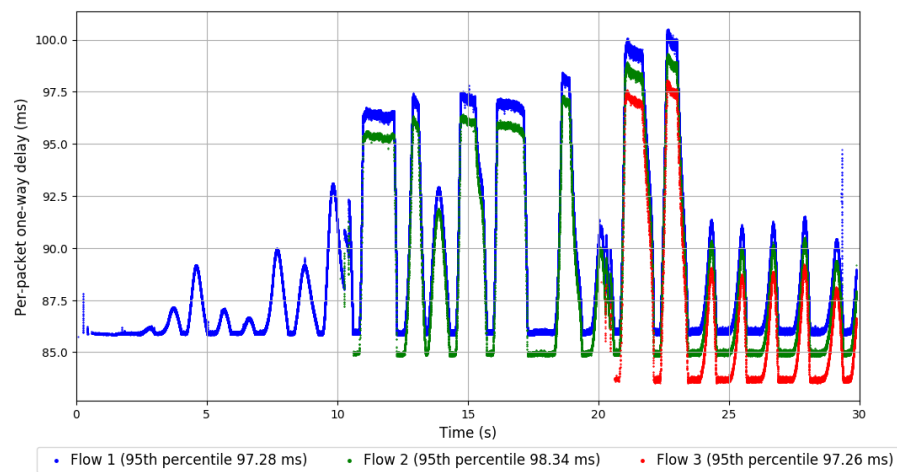
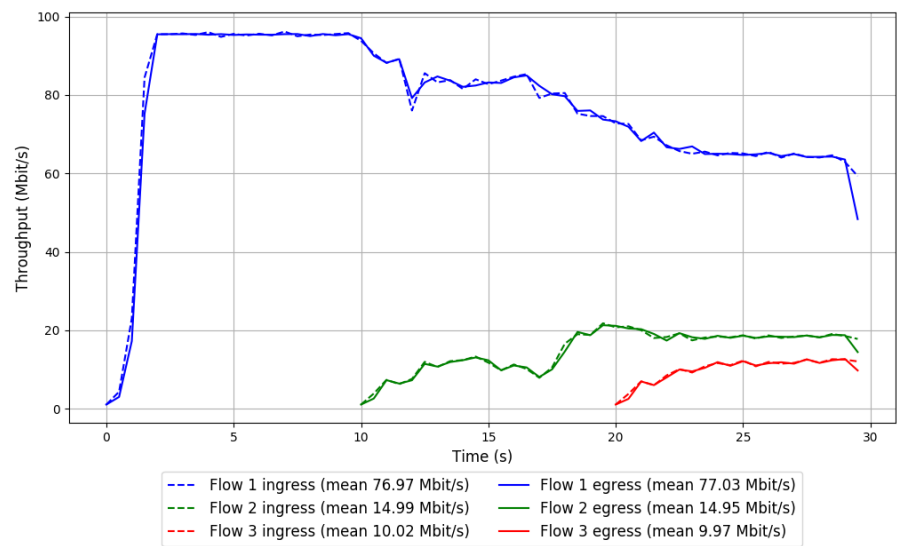


Run 3: Statistics of Copa

Start at: 2018-03-06 12:37:08
End at: 2018-03-06 12:37:38
Local clock offset: -6.856 ms
Remote clock offset: -5.248 ms

Below is generated by plot.py at 2018-03-06 19:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 97.367 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 97.283 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 98.339 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 97.257 ms
Loss rate: 2.24%

Run 3: Report of Copa — Data Link

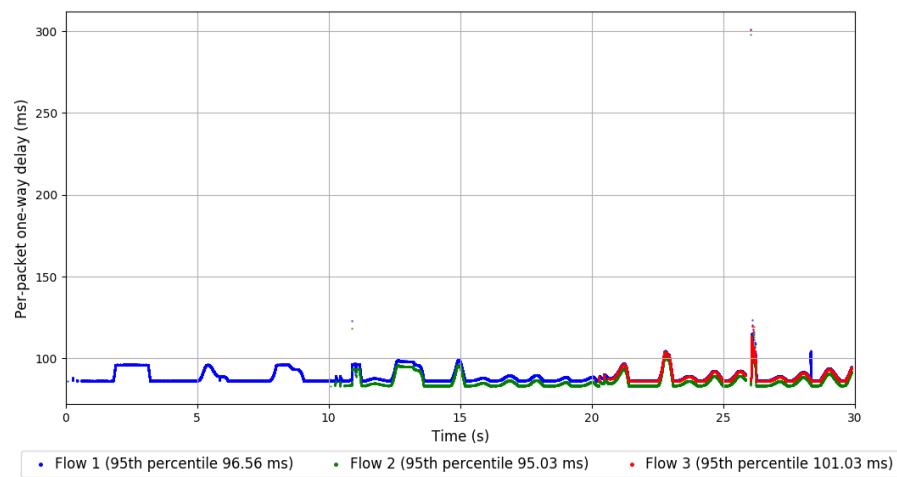
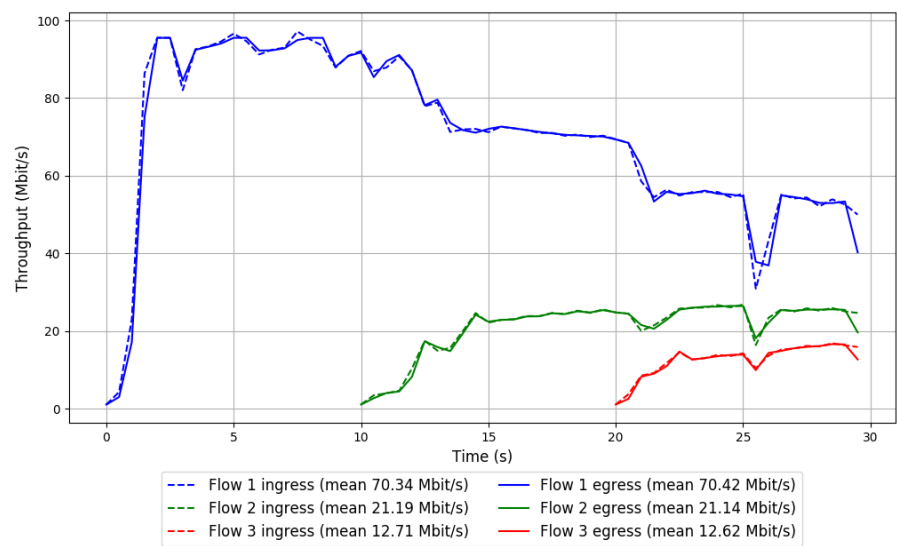


Run 4: Statistics of Copa

Start at: 2018-03-06 13:00:57
End at: 2018-03-06 13:01:27
Local clock offset: -6.749 ms
Remote clock offset: -5.867 ms

Below is generated by plot.py at 2018-03-06 19:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 96.499 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: 96.564 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 95.034 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 101.030 ms
Loss rate: 2.40%

Run 4: Report of Copa — Data Link

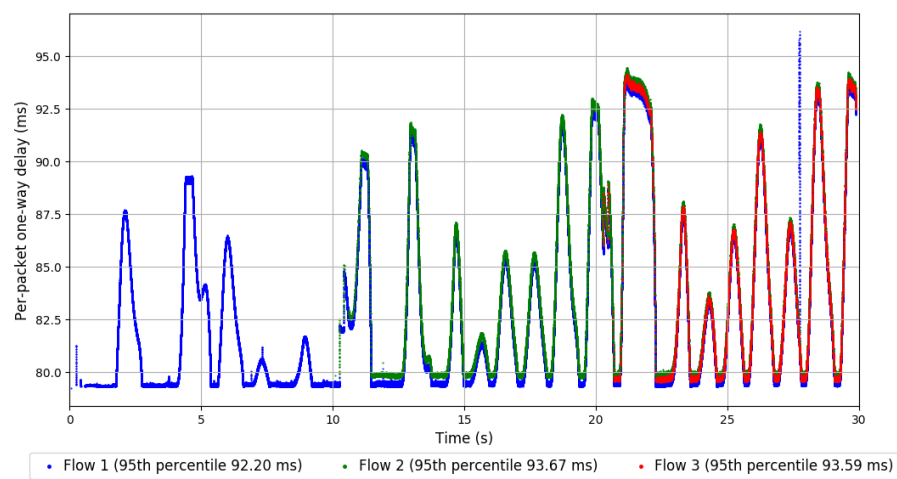
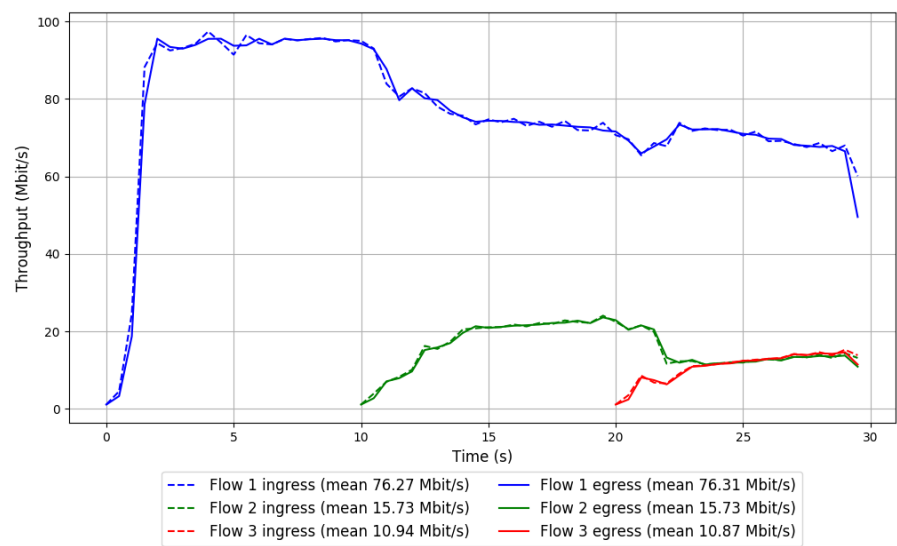


Run 5: Statistics of Copa

Start at: 2018-03-06 13:24:31
End at: 2018-03-06 13:25:01
Local clock offset: -6.761 ms
Remote clock offset: -0.633 ms

Below is generated by plot.py at 2018-03-06 19:56:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 92.676 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 92.202 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 93.675 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 10.87 Mbit/s
95th percentile per-packet one-way delay: 93.588 ms
Loss rate: 2.41%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-06 13:48:02

End at: 2018-03-06 13:48:32

Local clock offset: -6.084 ms

Remote clock offset: -6.07 ms

Below is generated by plot.py at 2018-03-06 19:56:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 106.170 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 65.51 Mbit/s

95th percentile per-packet one-way delay: 105.890 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 105.798 ms

Loss rate: 0.78%

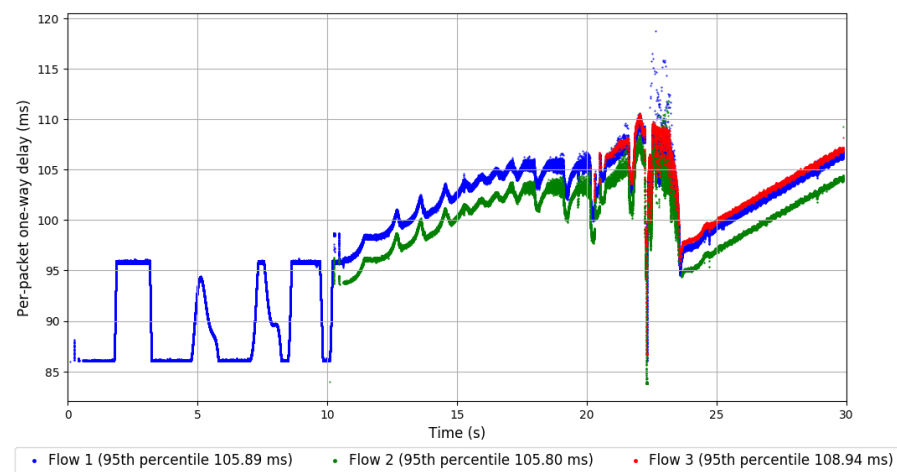
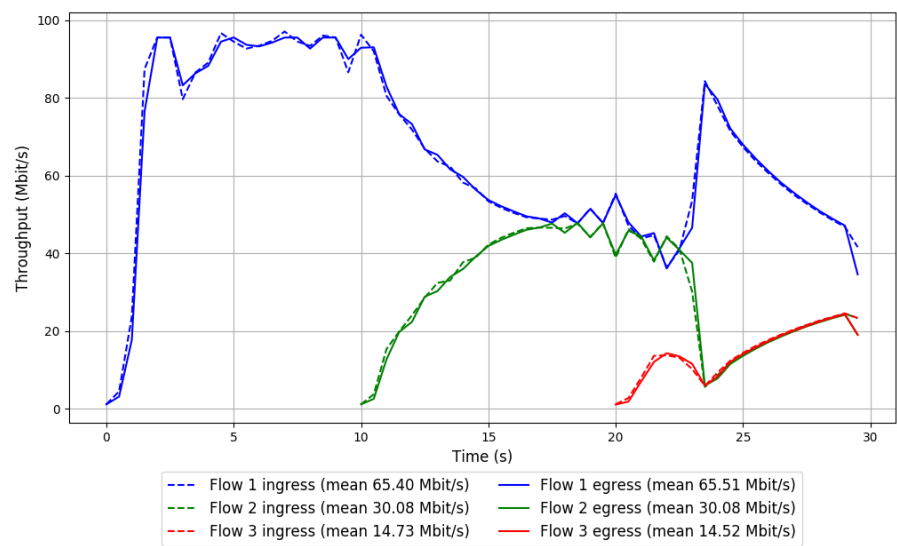
-- Flow 3:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 108.935 ms

Loss rate: 3.27%

Run 6: Report of Copa — Data Link

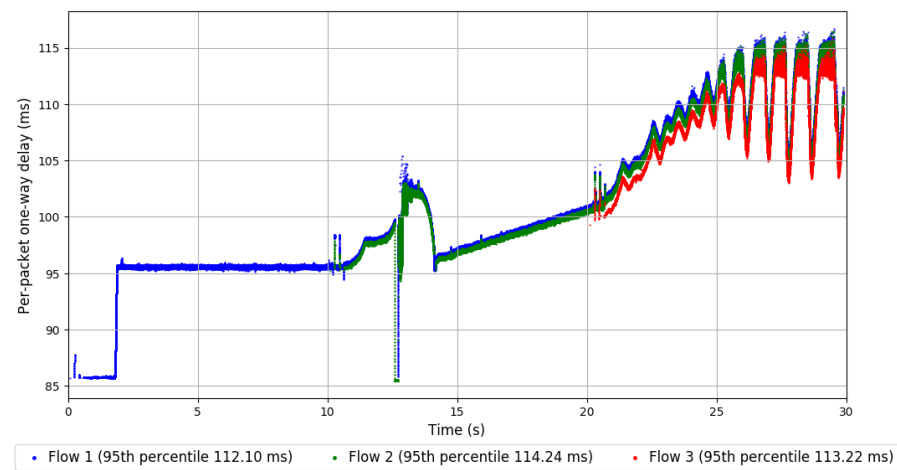
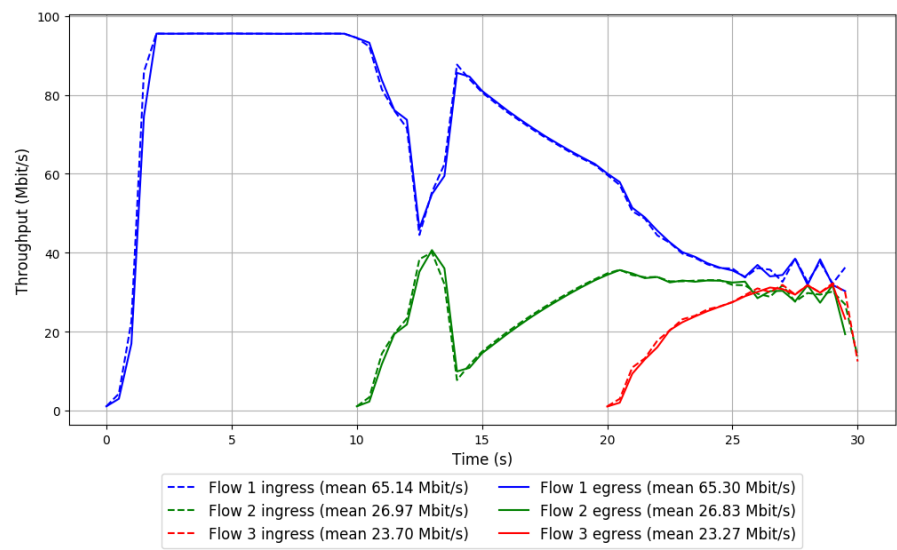


Run 7: Statistics of Copa

Start at: 2018-03-06 14:11:35
End at: 2018-03-06 14:12:05
Local clock offset: -5.76 ms
Remote clock offset: -5.632 ms

Below is generated by plot.py at 2018-03-06 19:56:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 113.627 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 112.103 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 114.244 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 23.27 Mbit/s
95th percentile per-packet one-way delay: 113.221 ms
Loss rate: 5.56%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-03-06 14:35:26

End at: 2018-03-06 14:35:56

Local clock offset: -5.871 ms

Remote clock offset: -0.54 ms

Below is generated by plot.py at 2018-03-06 19:56:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 90.600 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 90.398 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 18.41 Mbit/s

95th percentile per-packet one-way delay: 91.796 ms

Loss rate: 1.05%

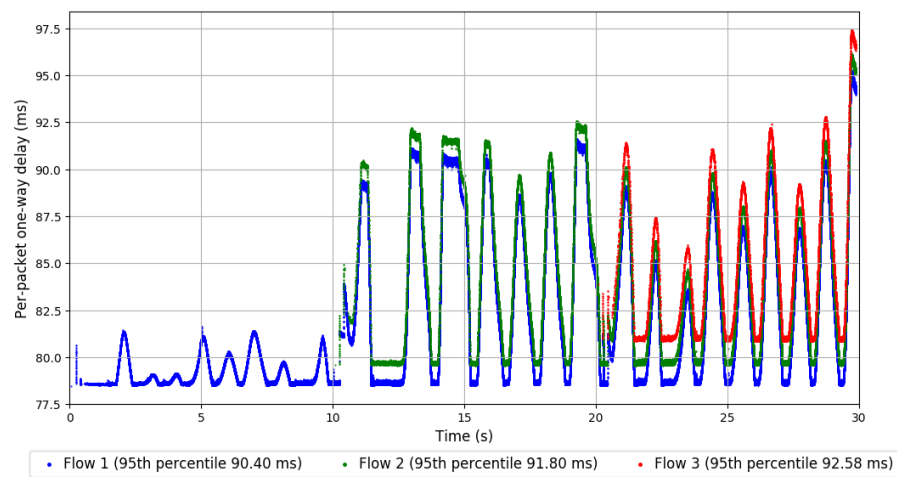
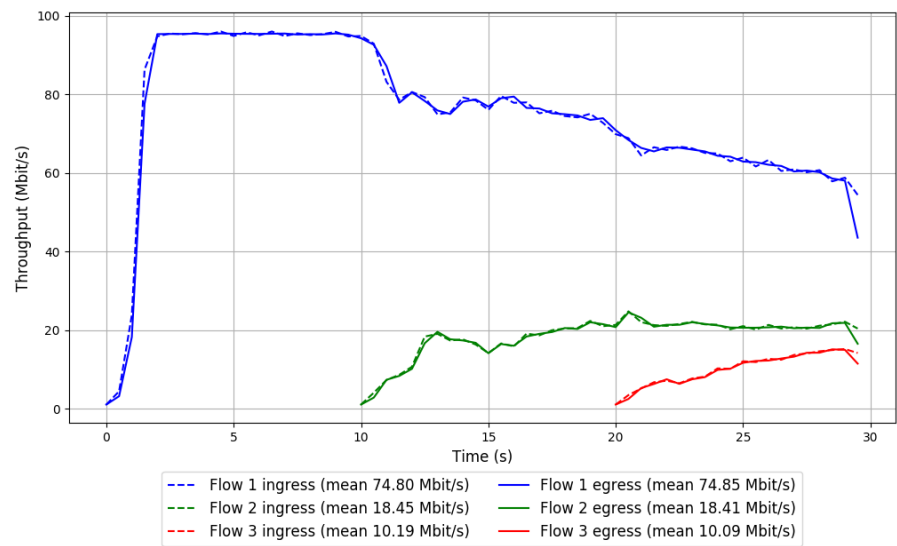
-- Flow 3:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 92.579 ms

Loss rate: 2.67%

Run 8: Report of Copa — Data Link

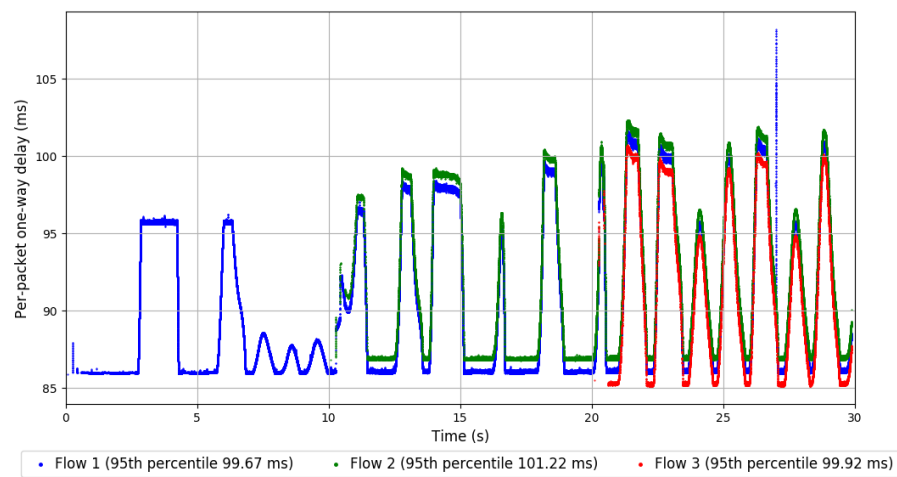
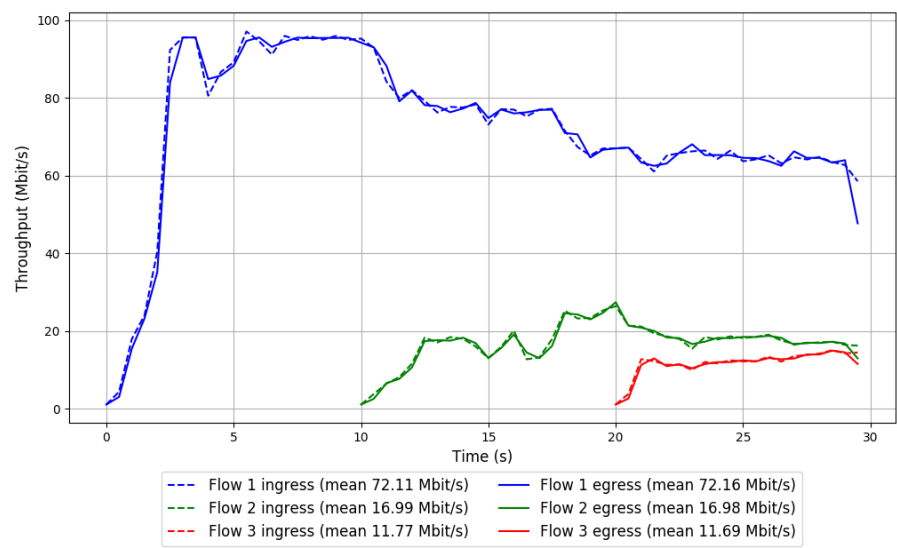


Run 9: Statistics of Copa

Start at: 2018-03-06 14:58:58
End at: 2018-03-06 14:59:28
Local clock offset: -6.093 ms
Remote clock offset: -6.734 ms

Below is generated by plot.py at 2018-03-06 19:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 99.943 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 72.16 Mbit/s
95th percentile per-packet one-way delay: 99.674 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 101.218 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 99.924 ms
Loss rate: 2.34%

Run 9: Report of Copa — Data Link

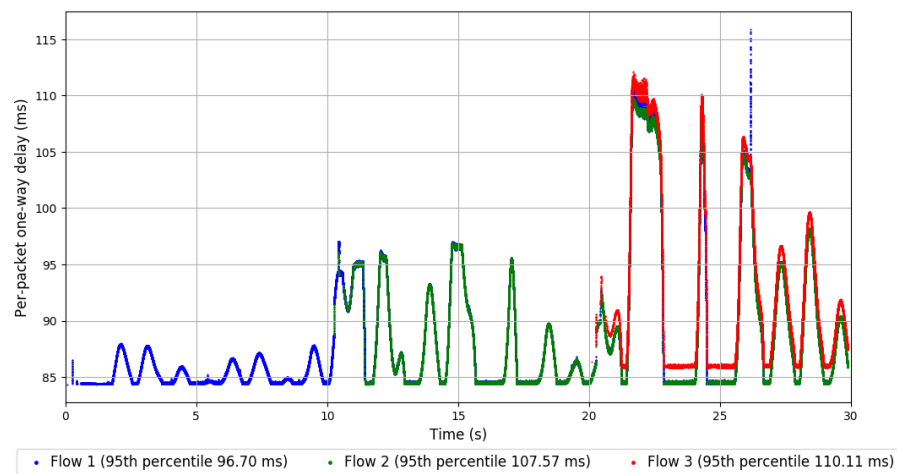
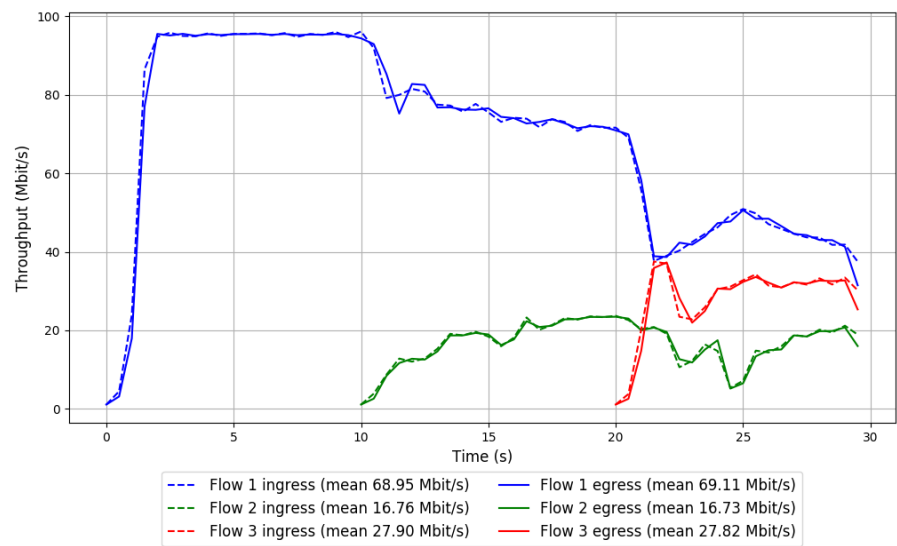


Run 10: Statistics of Copa

Start at: 2018-03-06 15:22:31
End at: 2018-03-06 15:23:01
Local clock offset: -6.18 ms
Remote clock offset: -6.624 ms

Below is generated by plot.py at 2018-03-06 19:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 104.478 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 96.704 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 107.568 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 110.115 ms
Loss rate: 1.98%

Run 10: Report of Copa — Data Link

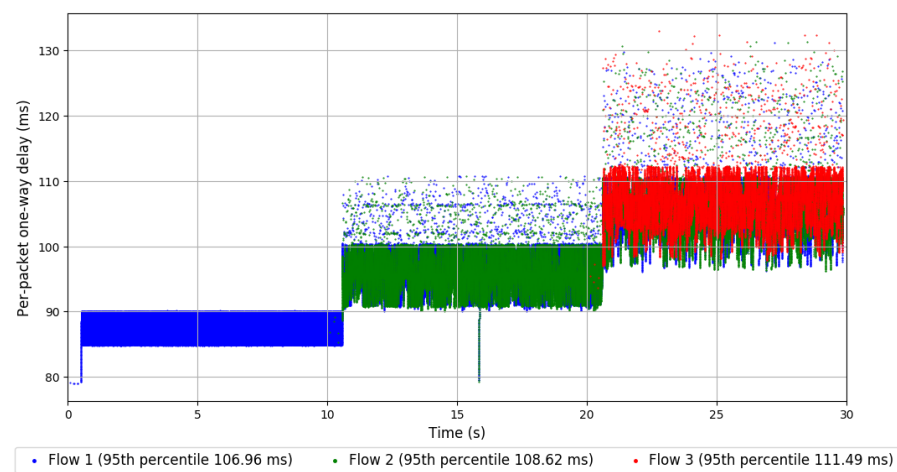
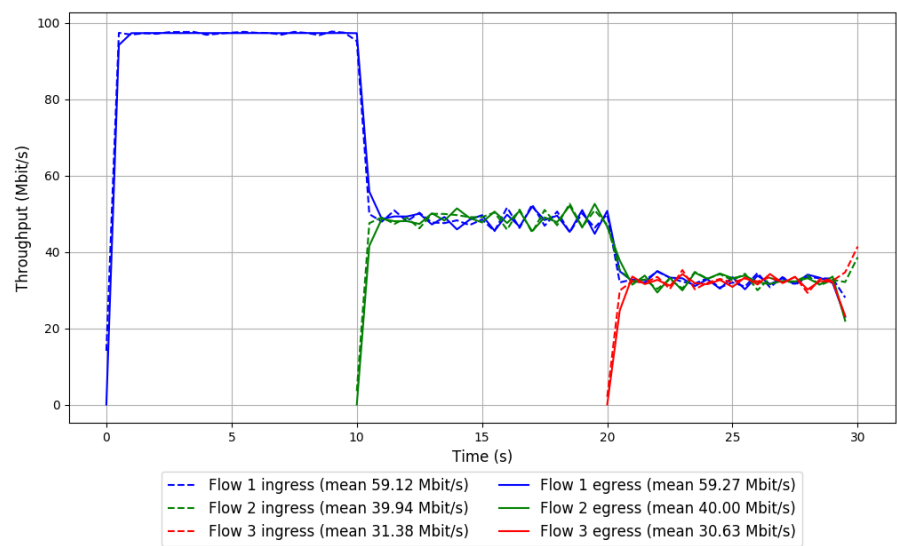


Run 1: Statistics of FillP

Start at: 2018-03-06 11:55:18
End at: 2018-03-06 11:55:48
Local clock offset: -6.458 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-03-06 19:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 108.894 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 106.958 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 108.619 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 111.487 ms
Loss rate: 9.14%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-03-06 12:18:50

End at: 2018-03-06 12:19:20

Local clock offset: -7.134 ms

Remote clock offset: -5.342 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-03-06 12:42:30

End at: 2018-03-06 12:43:00

Local clock offset: -6.864 ms

Remote clock offset: -5.263 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-03-06 13:06:10

End at: 2018-03-06 13:06:40

Local clock offset: -6.78 ms

Remote clock offset: -5.871 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-03-06 13:29:44

End at: 2018-03-06 13:30:14

Local clock offset: -6.782 ms

Remote clock offset: -5.405 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-03-06 13:53:14

End at: 2018-03-06 13:53:44

Local clock offset: -6.054 ms

Remote clock offset: -0.296 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-03-06 14:16:48

End at: 2018-03-06 14:17:18

Local clock offset: -5.871 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-03-06 19:58:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 106.095 ms

Loss rate: 5.66%

-- Flow 1:

Average throughput: 59.47 Mbit/s

95th percentile per-packet one-way delay: 104.563 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 39.87 Mbit/s

95th percentile per-packet one-way delay: 106.068 ms

Loss rate: 7.08%

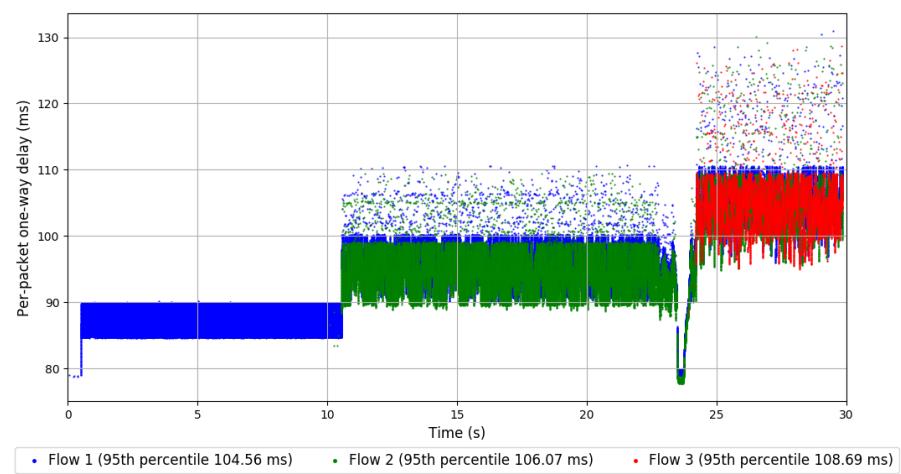
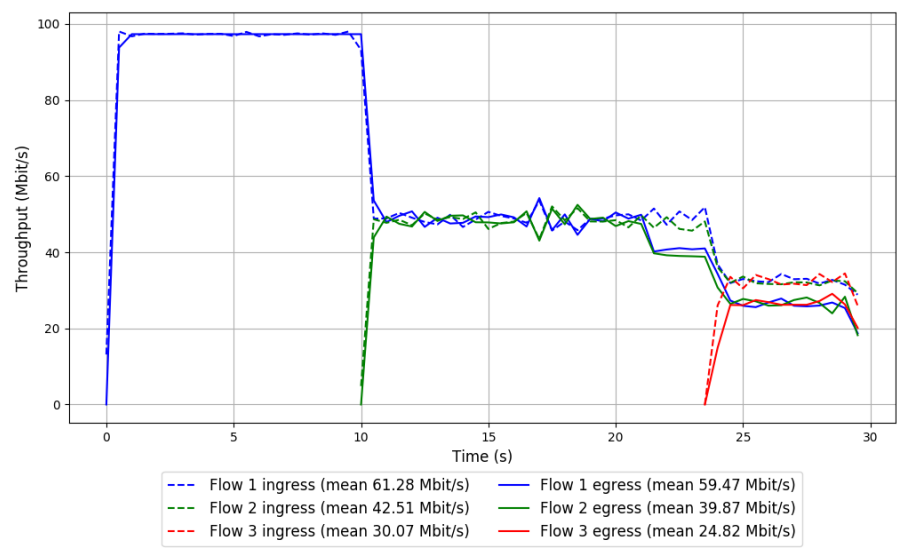
-- Flow 3:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 108.688 ms

Loss rate: 20.01%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-06 14:40:39

End at: 2018-03-06 14:41:09

Local clock offset: -5.842 ms

Remote clock offset: -0.732 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-03-06 15:04:10

End at: 2018-03-06 15:04:40

Local clock offset: -6.1 ms

Remote clock offset: -6.651 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-03-06 15:27:45

End at: 2018-03-06 15:28:15

Local clock offset: -6.278 ms

Remote clock offset: -5.809 ms

Run 10: Report of FillP — Data Link

Figure is missing

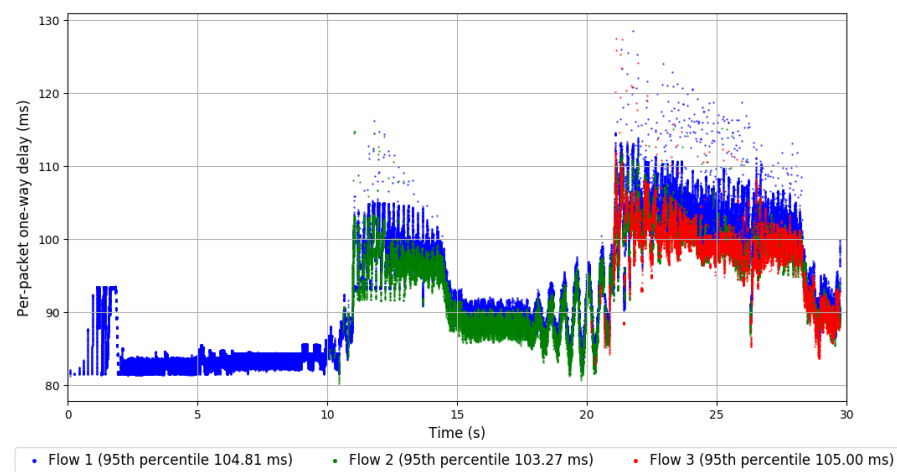
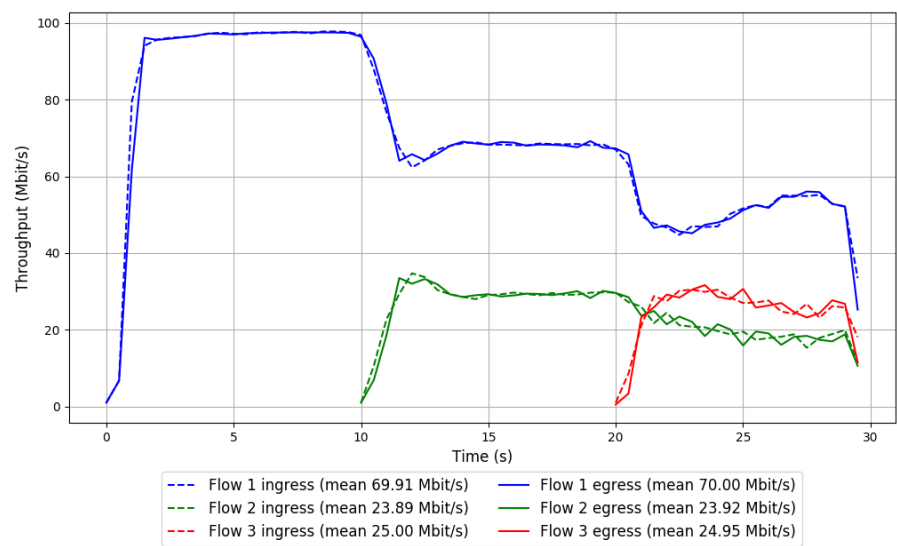
Figure is missing

Run 1: Statistics of Indigo-1-32

Start at: 2018-03-06 11:56:40
End at: 2018-03-06 11:57:10
Local clock offset: -6.523 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-03-06 19:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 104.741 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 104.814 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 103.270 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 104.995 ms
Loss rate: 2.00%

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

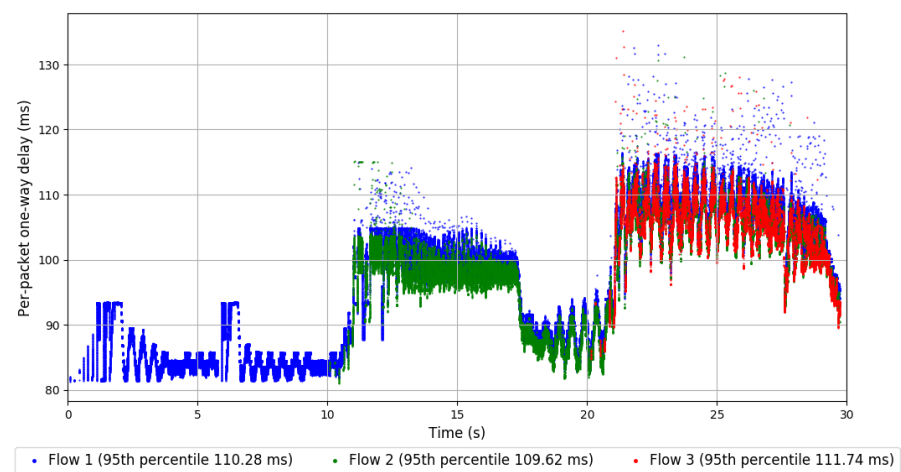
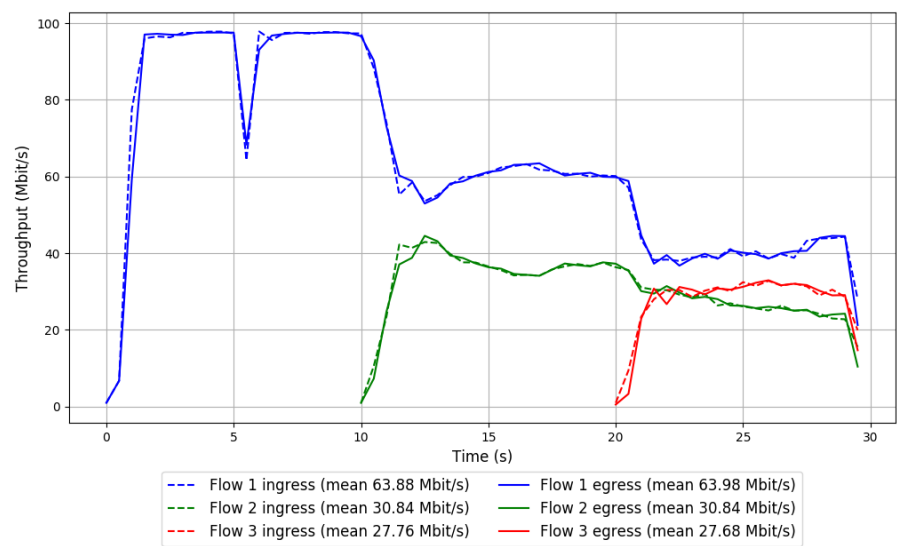


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-06 12:20:06
End at: 2018-03-06 12:20:36
Local clock offset: -7.154 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2018-03-06 19:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 110.276 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 109.622 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 111.741 ms
Loss rate: 2.05%

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

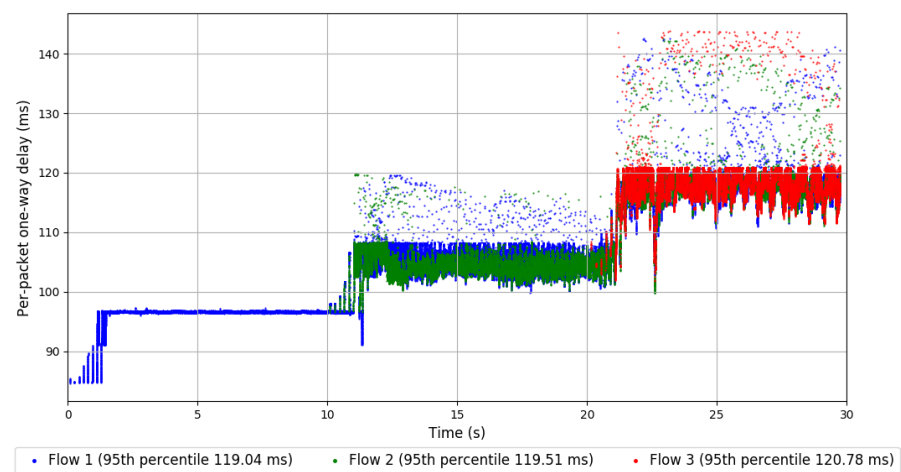
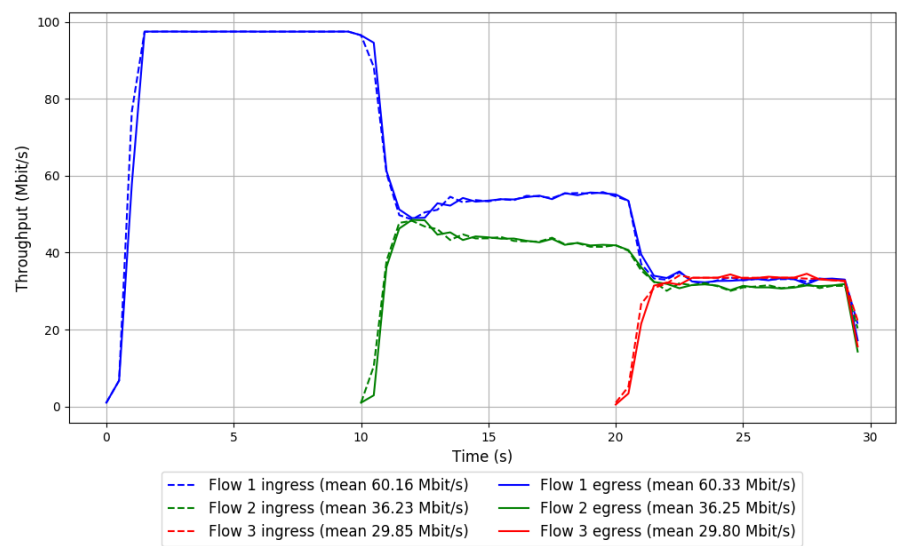


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-06 12:43:48
End at: 2018-03-06 12:44:18
Local clock offset: -6.766 ms
Remote clock offset: -5.393 ms

Below is generated by plot.py at 2018-03-06 19:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 119.537 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 119.037 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 119.508 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 120.775 ms
Loss rate: 2.30%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-06 13:07:28

End at: 2018-03-06 13:07:58

Local clock offset: -6.758 ms

Remote clock offset: -6.71 ms

Below is generated by plot.py at 2018-03-06 19:58:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 119.100 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 59.78 Mbit/s

95th percentile per-packet one-way delay: 118.119 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 37.68 Mbit/s

95th percentile per-packet one-way delay: 119.175 ms

Loss rate: 0.82%

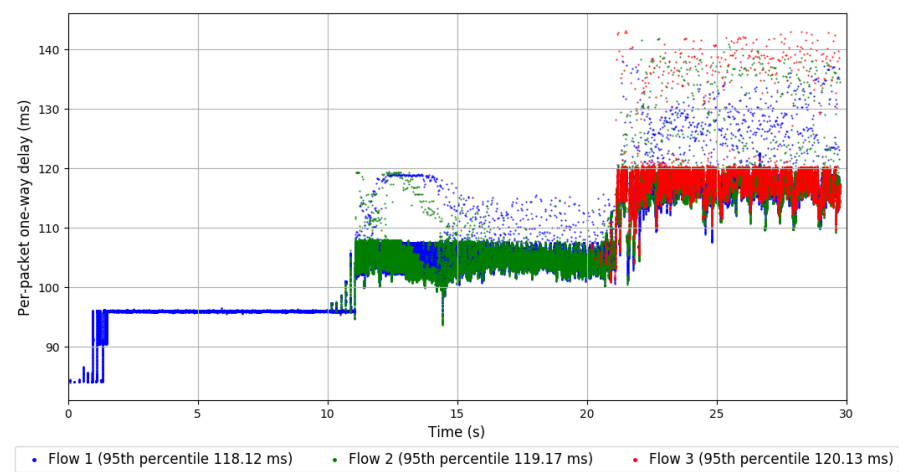
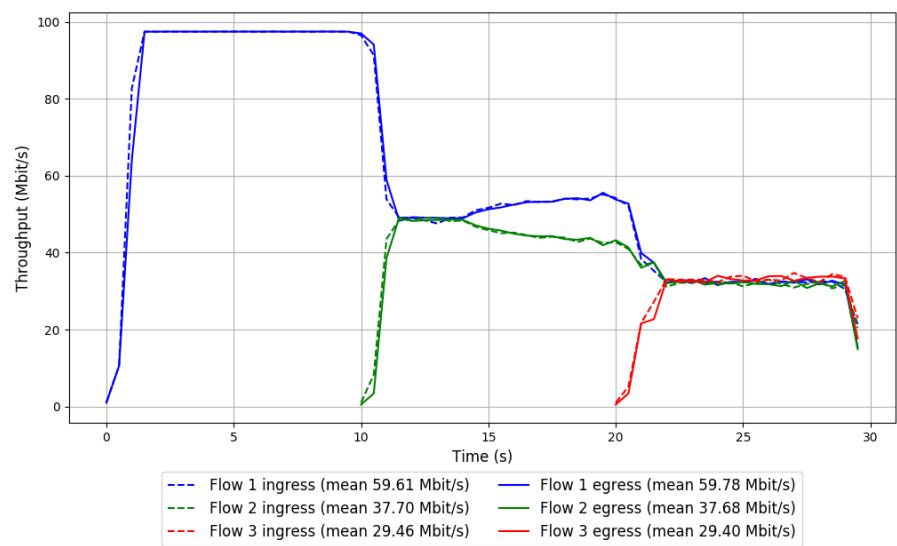
-- Flow 3:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 120.129 ms

Loss rate: 2.33%

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

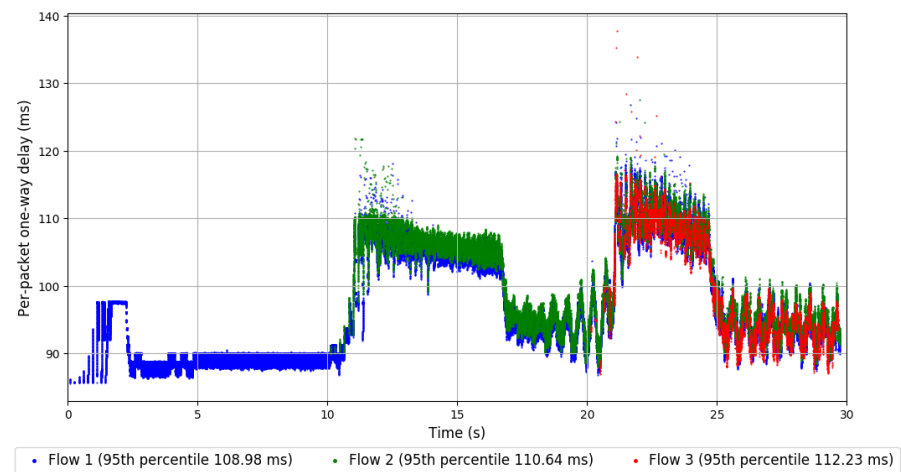
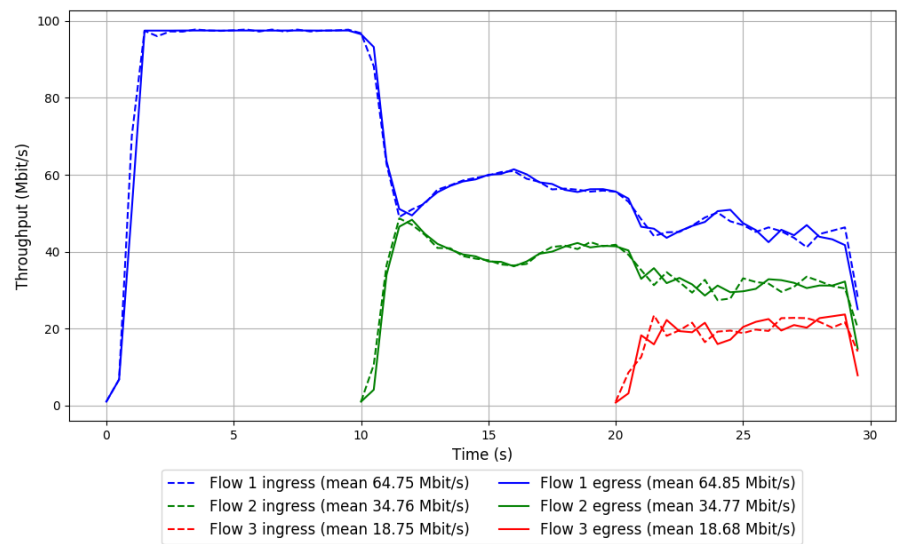


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-06 13:31:01
End at: 2018-03-06 13:31:31
Local clock offset: -6.834 ms
Remote clock offset: -6.229 ms

Below is generated by plot.py at 2018-03-06 19:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 110.105 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 108.980 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 110.644 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 112.233 ms
Loss rate: 2.15%

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

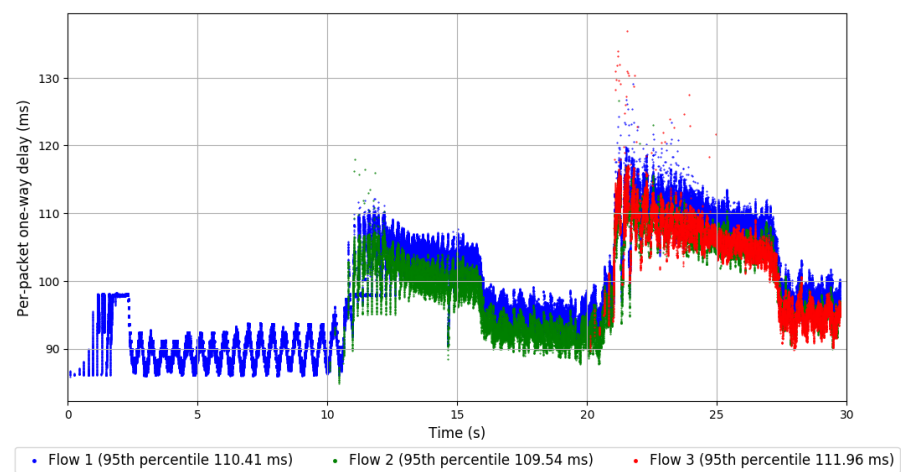
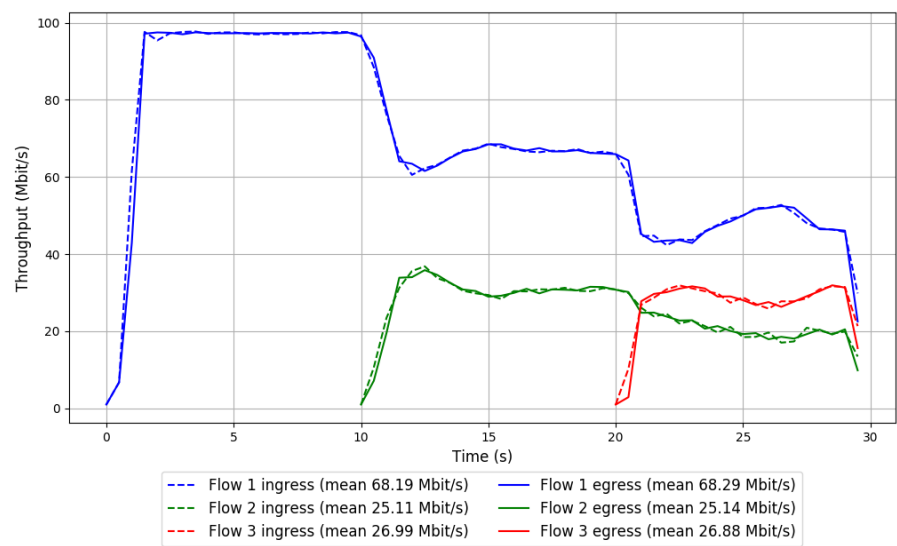


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-06 13:54:31
End at: 2018-03-06 13:55:01
Local clock offset: -5.962 ms
Remote clock offset: -5.027 ms

Below is generated by plot.py at 2018-03-06 19:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.66 Mbit/s
95th percentile per-packet one-way delay: 110.532 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 110.407 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 109.537 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 111.962 ms
Loss rate: 2.15%

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

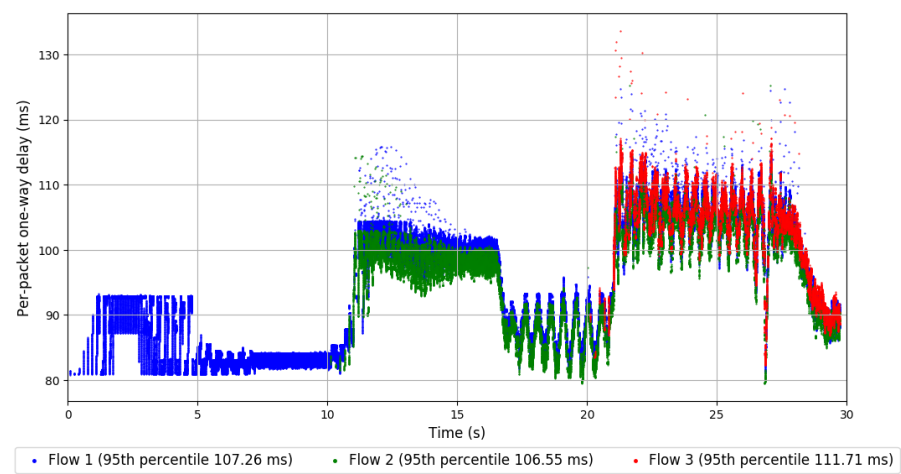
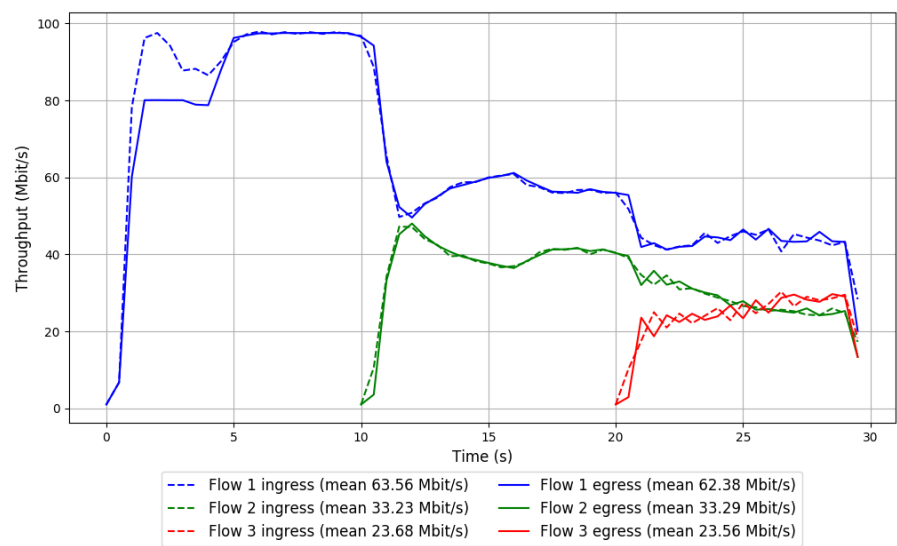


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-06 14:18:15
End at: 2018-03-06 14:18:45
Local clock offset: -5.842 ms
Remote clock offset: -0.685 ms

Below is generated by plot.py at 2018-03-06 19:58:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 108.060 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 107.263 ms
Loss rate: 2.41%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 106.552 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 111.707 ms
Loss rate: 2.24%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-03-06 14:41:56

End at: 2018-03-06 14:42:26

Local clock offset: -5.771 ms

Remote clock offset: -6.49 ms

Below is generated by plot.py at 2018-03-06 19:58:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 64.31 Mbit/s

95th percentile per-packet one-way delay: 113.001 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 117.545 ms

Loss rate: 0.74%

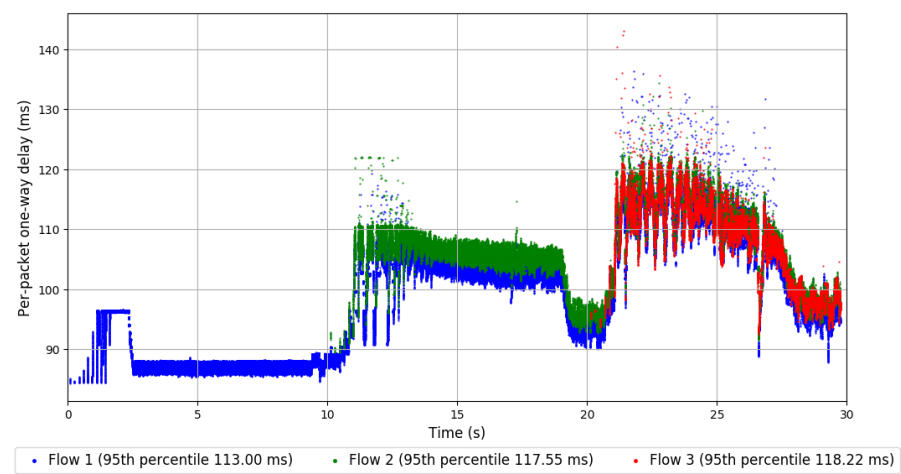
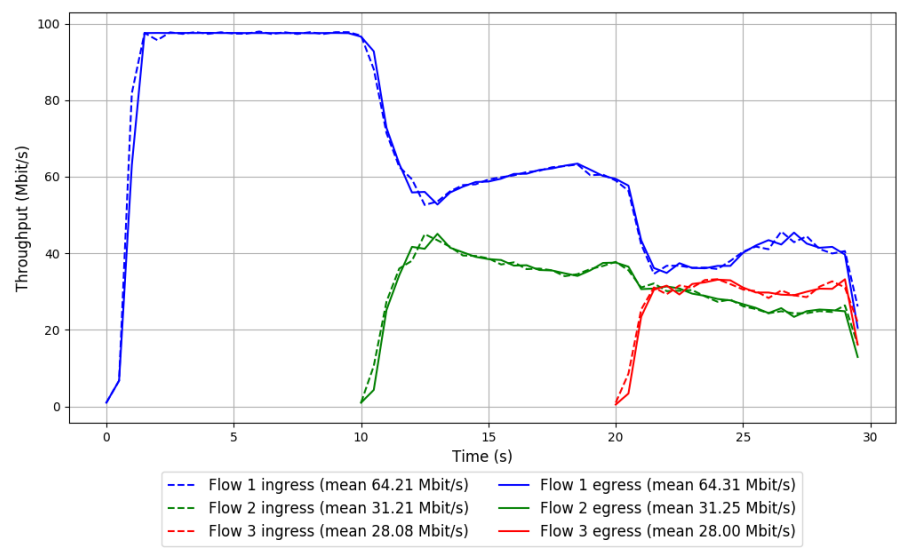
-- Flow 3:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 118.224 ms

Loss rate: 2.06%

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

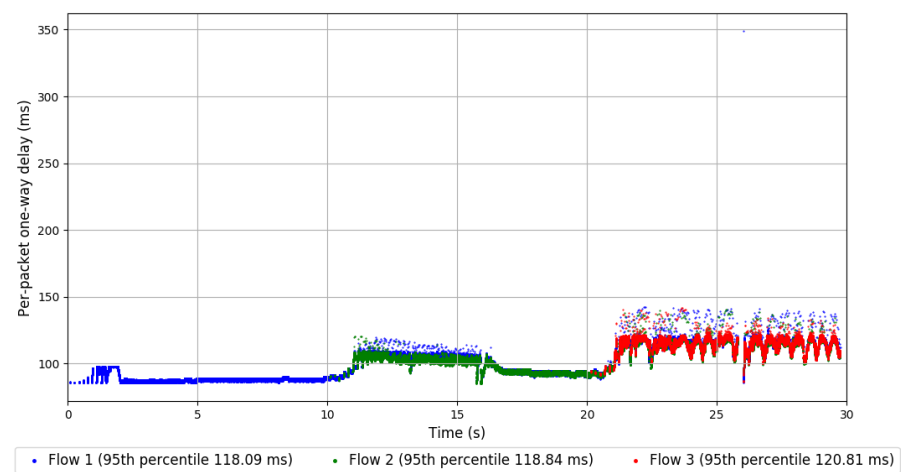
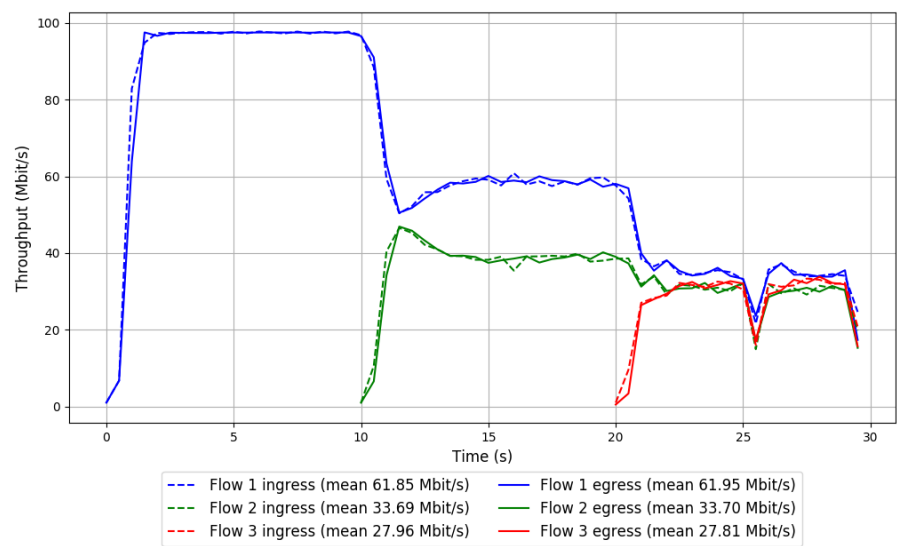


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-06 15:05:27
End at: 2018-03-06 15:05:57
Local clock offset: -6.022 ms
Remote clock offset: -6.583 ms

Below is generated by plot.py at 2018-03-06 19:58:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 119.123 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 118.089 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 118.839 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 27.81 Mbit/s
95th percentile per-packet one-way delay: 120.813 ms
Loss rate: 2.29%

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

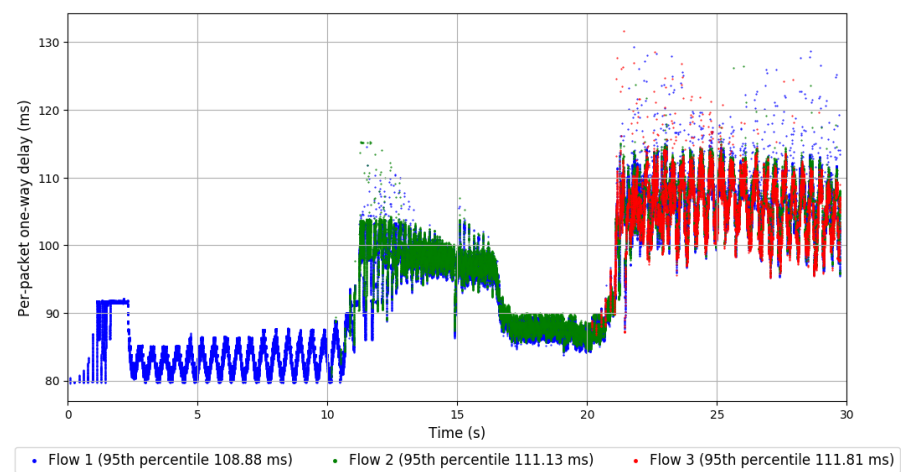
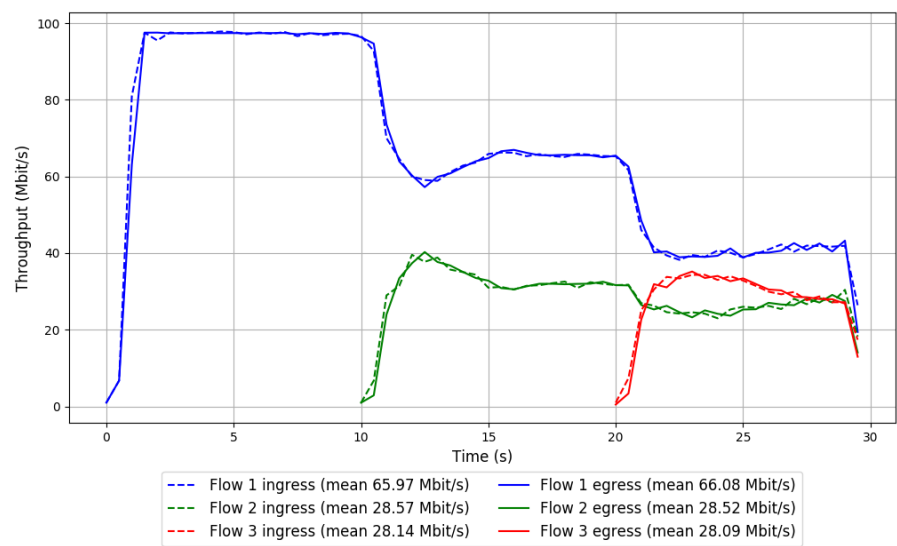


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-06 15:29:02
End at: 2018-03-06 15:29:32
Local clock offset: -6.292 ms
Remote clock offset: -0.879 ms

Below is generated by plot.py at 2018-03-06 19:58:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 110.319 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 108.879 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: 111.133 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 111.808 ms
Loss rate: 1.89%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-03-06 11:44:50

End at: 2018-03-06 11:45:20

Local clock offset: -6.291 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-03-06 19:59:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: 100.018 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 65.03 Mbit/s

95th percentile per-packet one-way delay: 96.163 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 101.348 ms

Loss rate: 1.53%

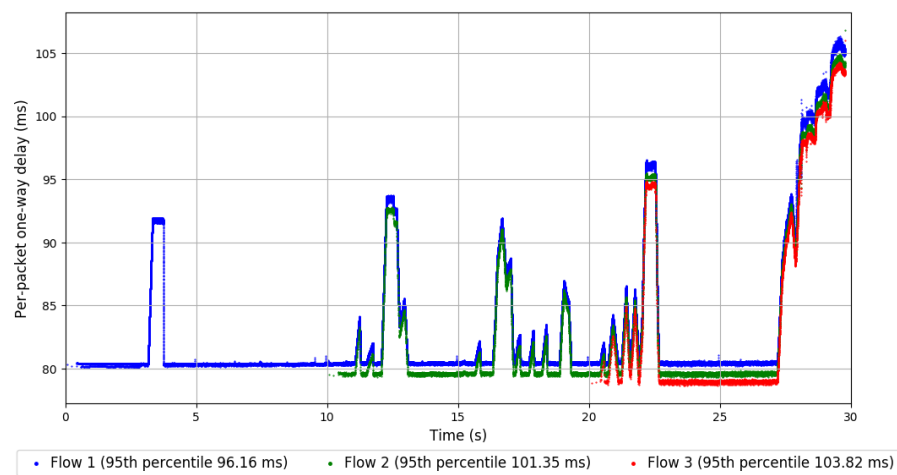
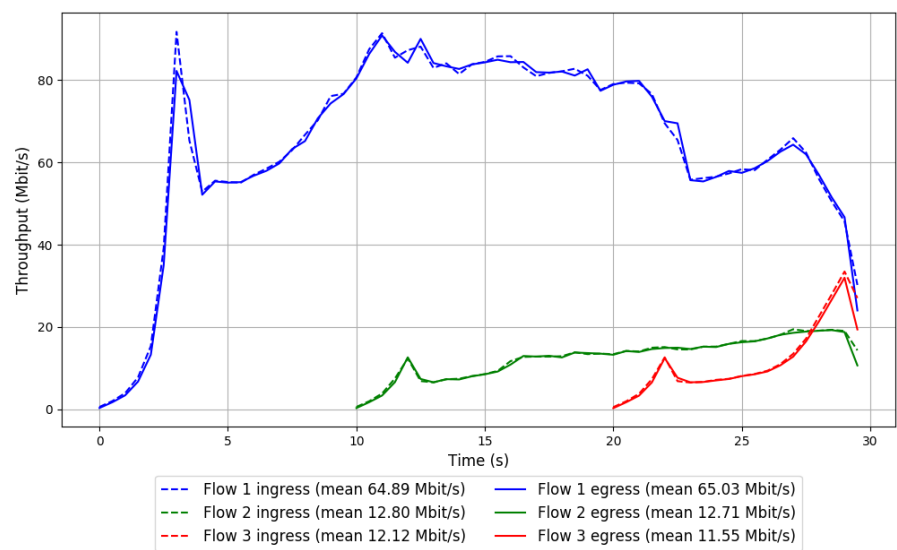
-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 103.821 ms

Loss rate: 6.23%

Run 1: Report of Vivace-latency — Data Link

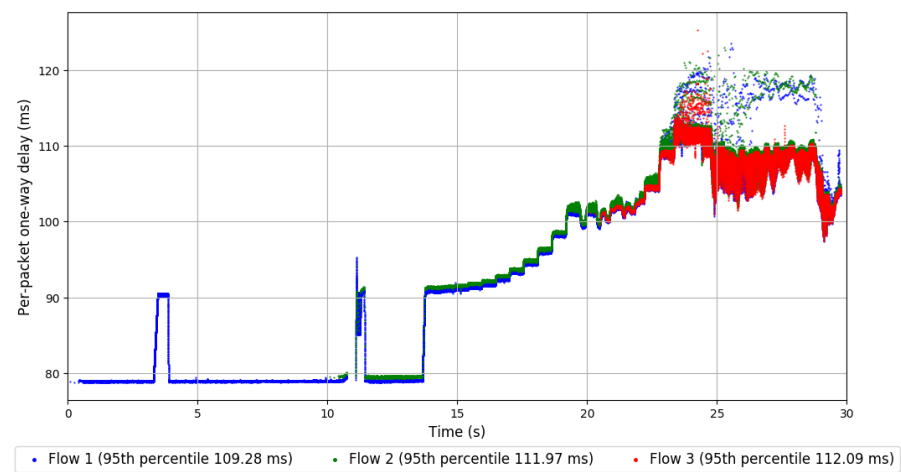
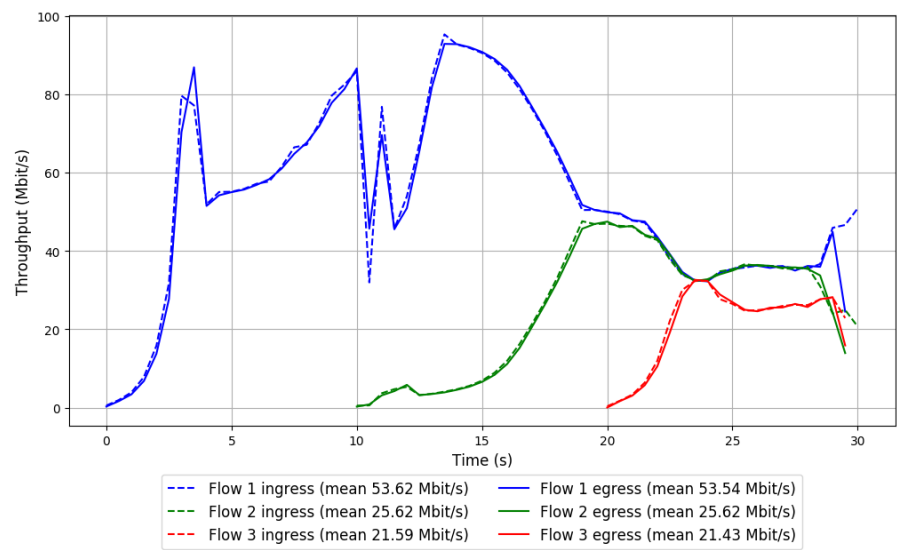


Run 2: Statistics of Vivace-latency

Start at: 2018-03-06 12:08:21
End at: 2018-03-06 12:08:51
Local clock offset: -6.954 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2018-03-06 19:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 111.005 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 109.276 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 25.62 Mbit/s
95th percentile per-packet one-way delay: 111.970 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 112.089 ms
Loss rate: 2.98%

Run 2: Report of Vivace-latency — Data Link

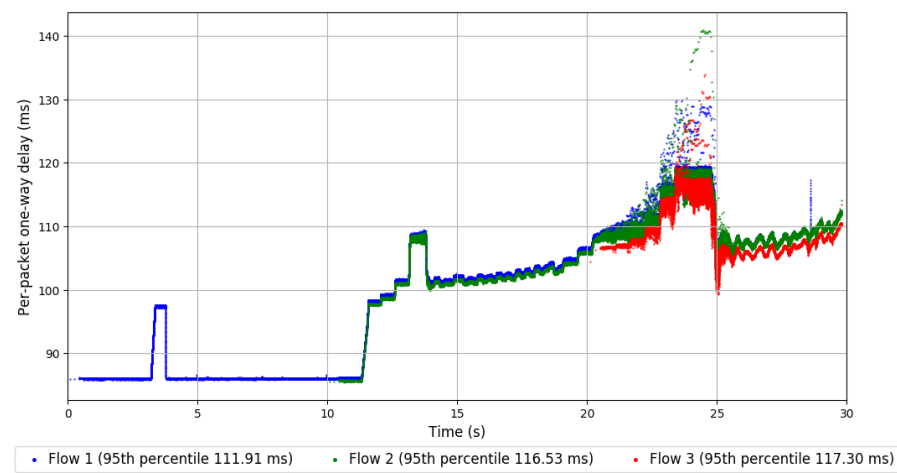
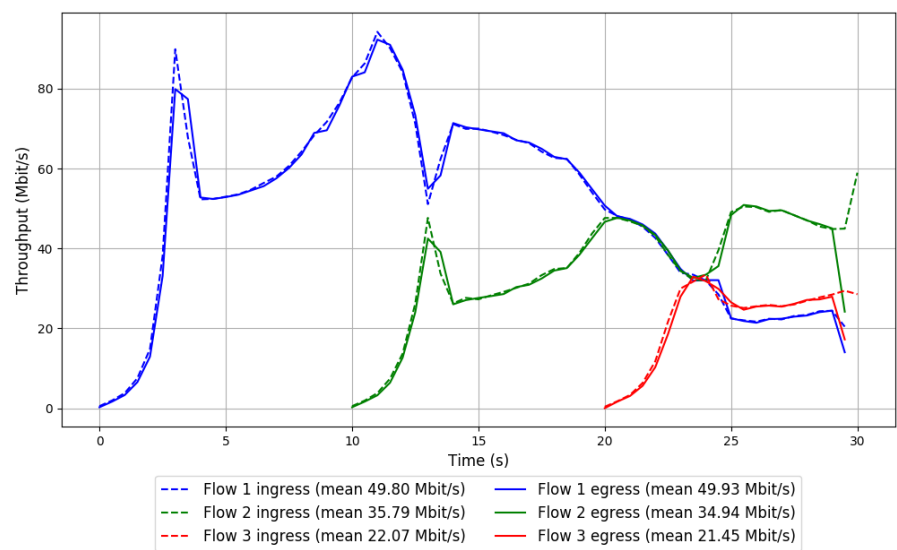


Run 3: Statistics of Vivace-latency

Start at: 2018-03-06 12:31:51
End at: 2018-03-06 12:32:21
Local clock offset: -7.01 ms
Remote clock offset: -6.161 ms

Below is generated by plot.py at 2018-03-06 20:00:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 115.868 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 111.913 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 116.526 ms
Loss rate: 6.10%
-- Flow 3:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 117.296 ms
Loss rate: 10.21%

Run 3: Report of Vivace-latency — Data Link

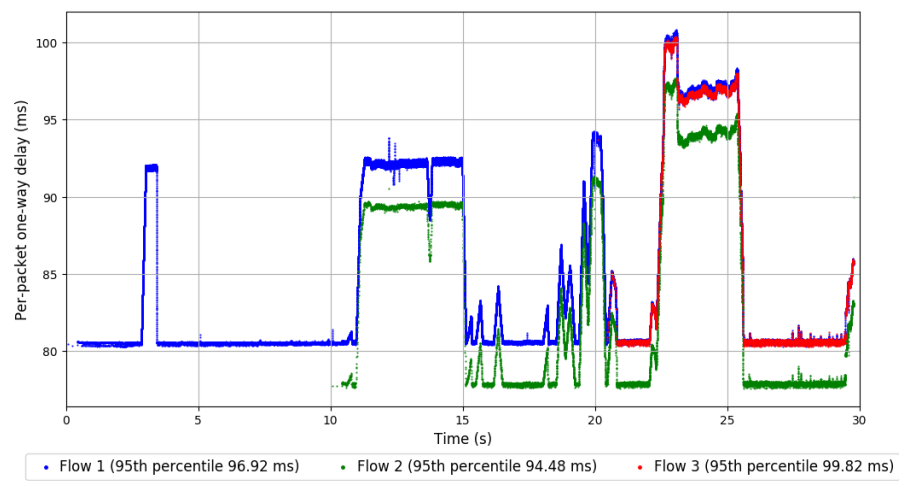
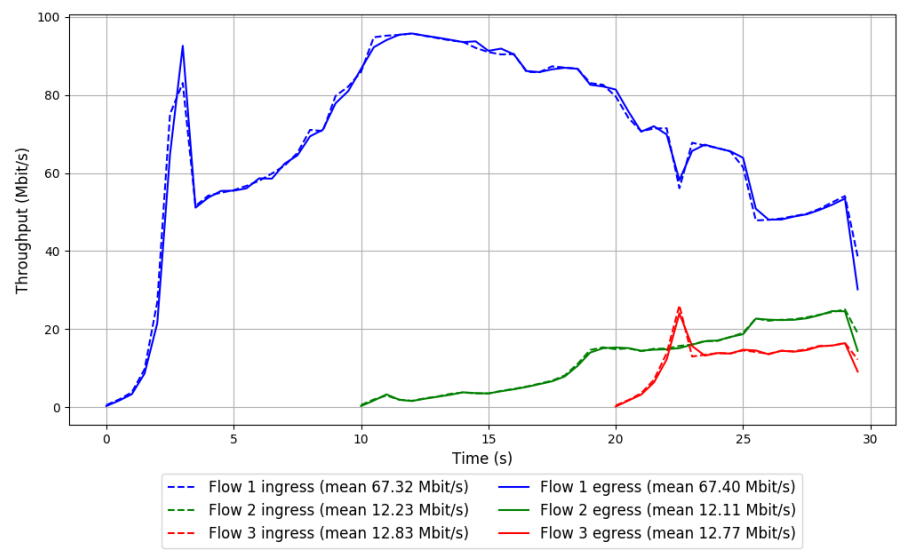


Run 4: Statistics of Vivace-latency

Start at: 2018-03-06 12:55:38
End at: 2018-03-06 12:56:08
Local clock offset: -6.826 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-03-06 20:00:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 96.980 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 67.40 Mbit/s
95th percentile per-packet one-way delay: 96.924 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 94.483 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 99.820 ms
Loss rate: 2.29%

Run 4: Report of Vivace-latency — Data Link

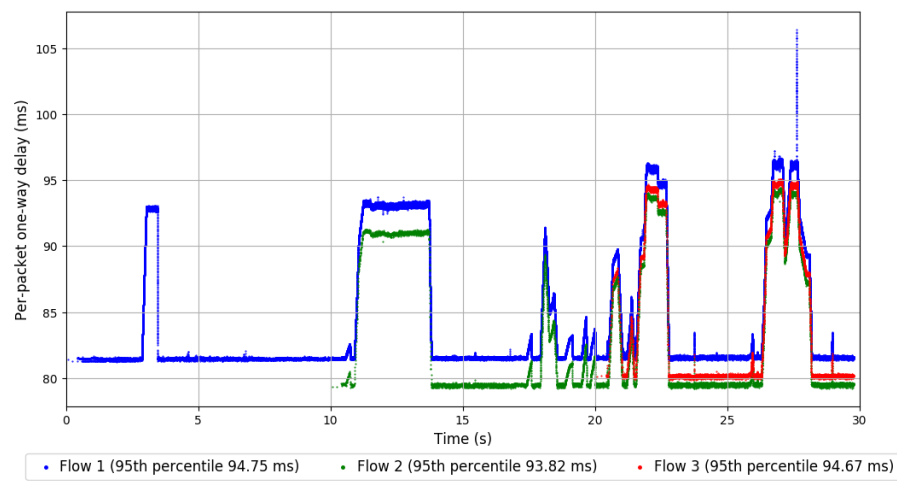
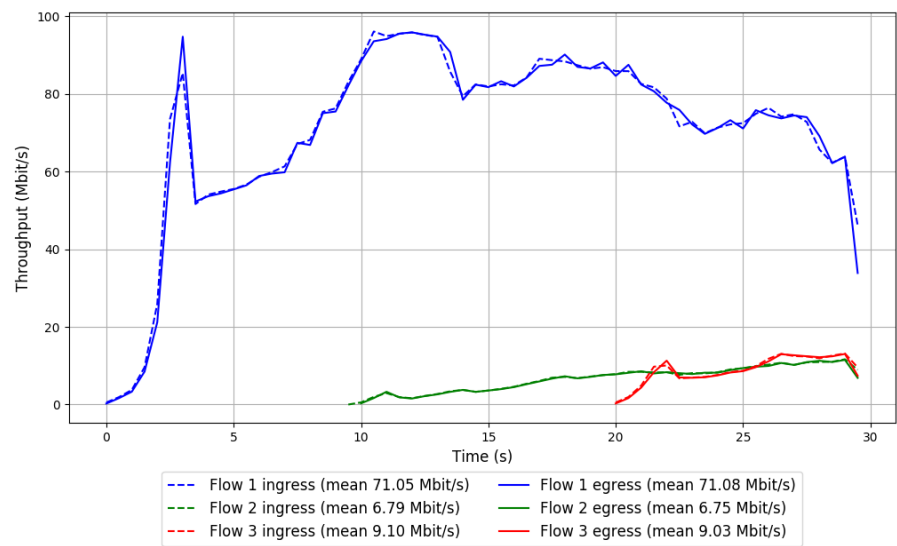


Run 5: Statistics of Vivace-latency

Start at: 2018-03-06 13:19:13
End at: 2018-03-06 13:19:43
Local clock offset: -6.738 ms
Remote clock offset: -0.886 ms

Below is generated by plot.py at 2018-03-06 20:00:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 94.662 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 71.08 Mbit/s
95th percentile per-packet one-way delay: 94.749 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 6.75 Mbit/s
95th percentile per-packet one-way delay: 93.824 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 9.03 Mbit/s
95th percentile per-packet one-way delay: 94.670 ms
Loss rate: 2.42%

Run 5: Report of Vivace-latency — Data Link

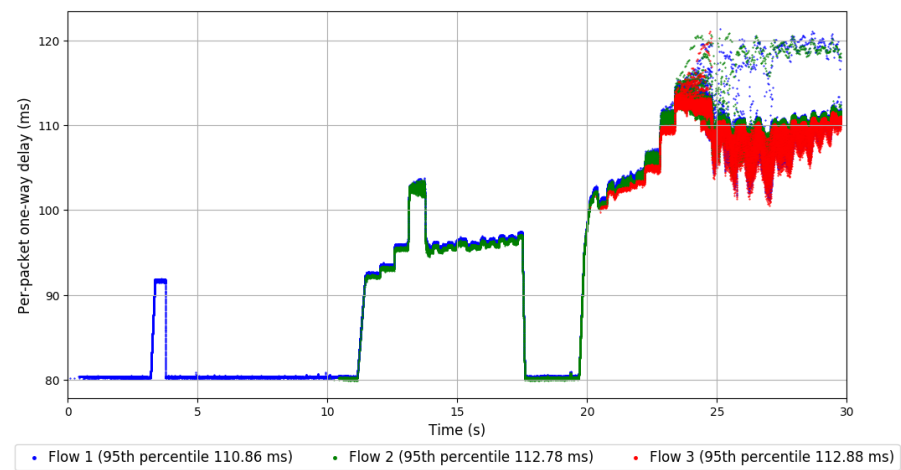
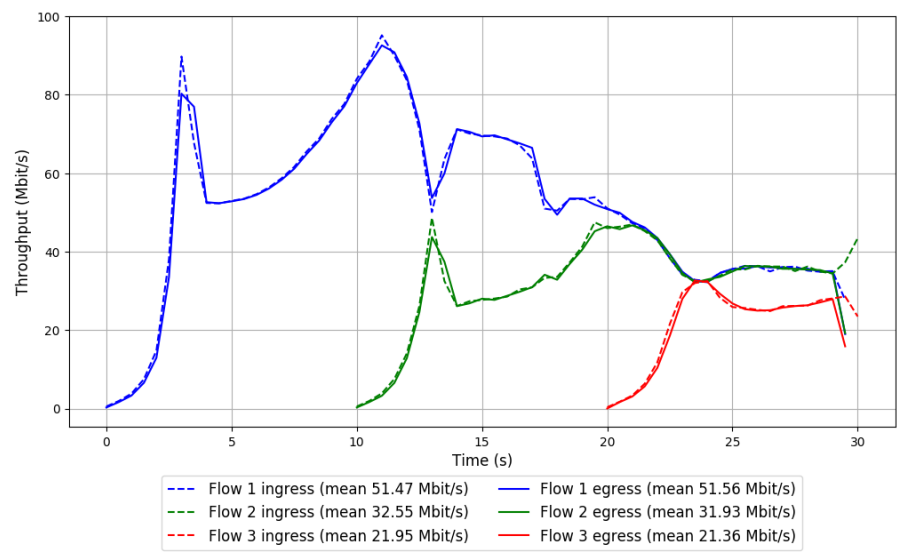


Run 6: Statistics of Vivace-latency

Start at: 2018-03-06 13:42:44
End at: 2018-03-06 13:43:14
Local clock offset: -6.291 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-03-06 20:00:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 112.221 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 110.859 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 112.783 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 112.878 ms
Loss rate: 9.35%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-03-06 14:06:17

End at: 2018-03-06 14:06:47

Local clock offset: -5.8 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-03-06 20:00:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 96.320 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 63.71 Mbit/s

95th percentile per-packet one-way delay: 95.832 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 19.55 Mbit/s

95th percentile per-packet one-way delay: 97.783 ms

Loss rate: 1.29%

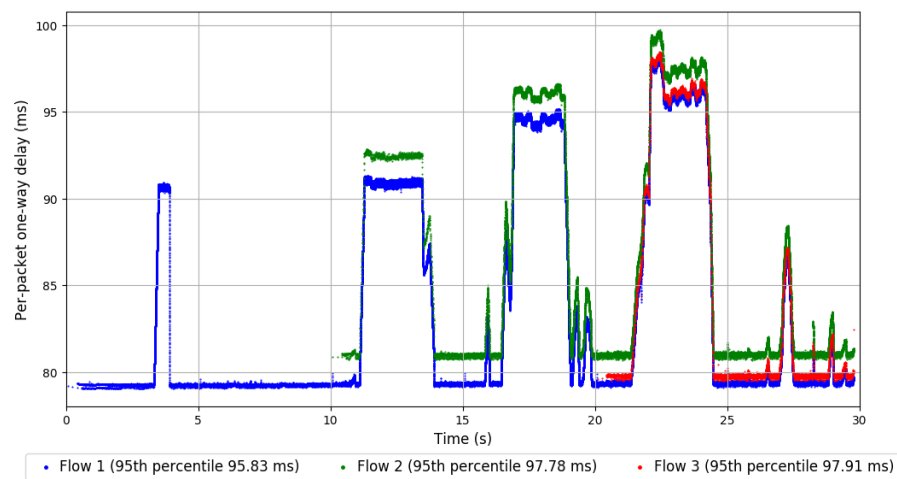
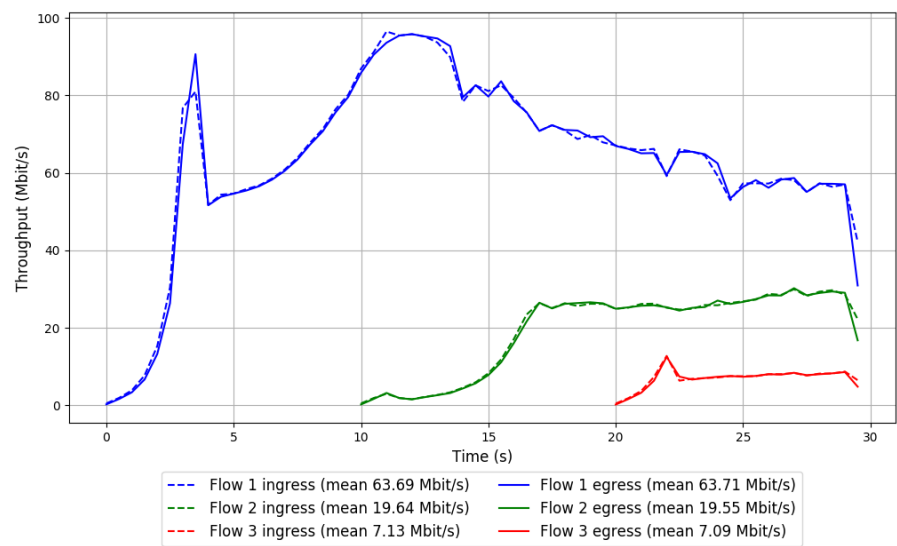
-- Flow 3:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 97.905 ms

Loss rate: 2.20%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-03-06 14:30:07

End at: 2018-03-06 14:30:37

Local clock offset: -5.794 ms

Remote clock offset: 0.545 ms

Below is generated by plot.py at 2018-03-06 20:00:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 92.491 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 91.695 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 17.22 Mbit/s

95th percentile per-packet one-way delay: 93.146 ms

Loss rate: 1.39%

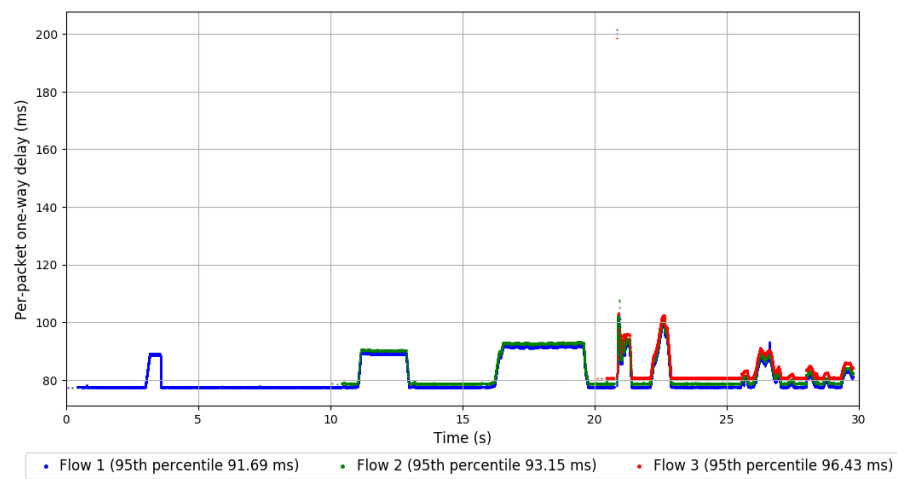
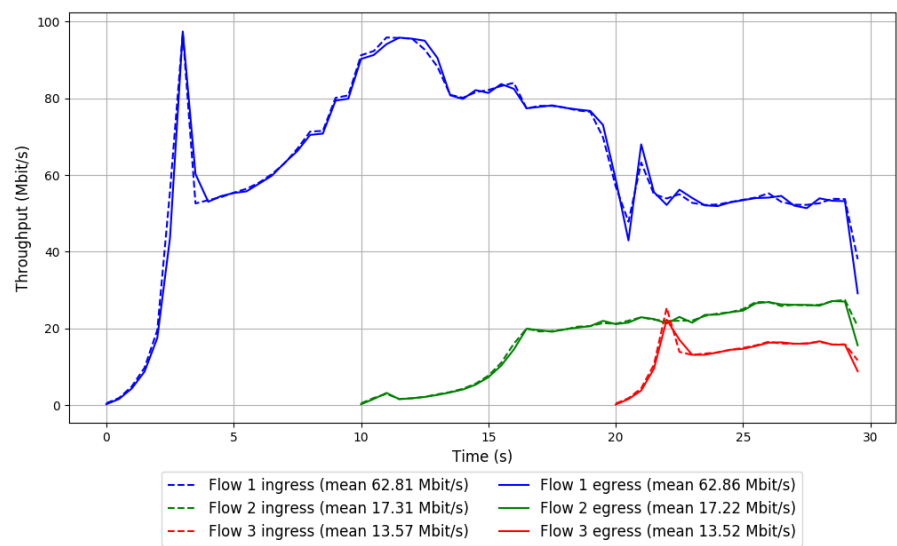
-- Flow 3:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 96.428 ms

Loss rate: 2.08%

Run 8: Report of Vivace-latency — Data Link

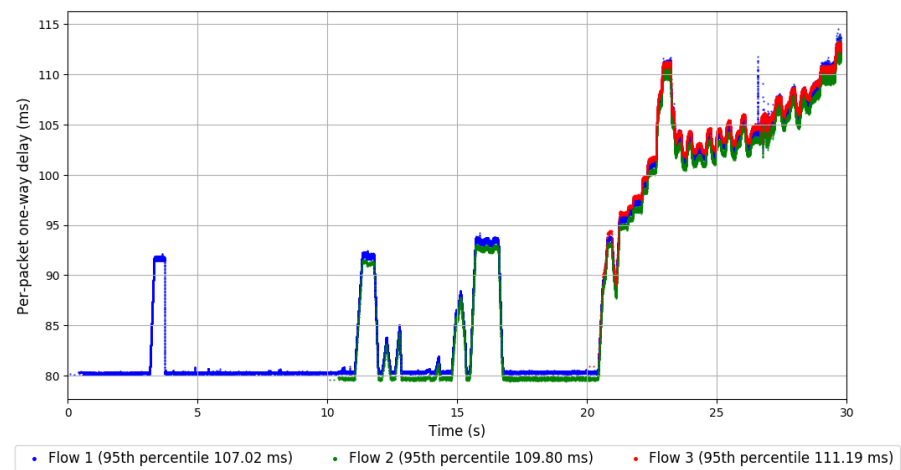
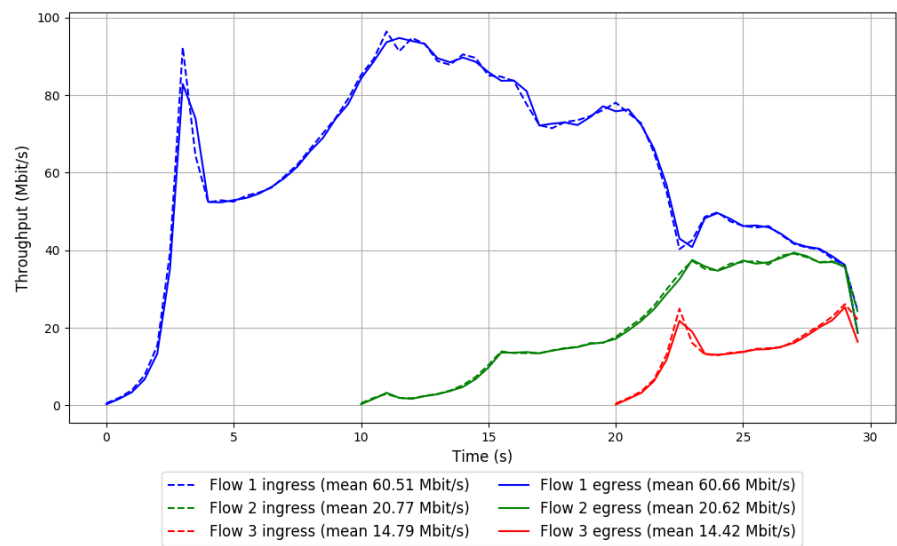


Run 9: Statistics of Vivace-latency

Start at: 2018-03-06 14:53:40
End at: 2018-03-06 14:54:10
Local clock offset: -6.031 ms
Remote clock offset: -1.019 ms

Below is generated by plot.py at 2018-03-06 20:00:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 109.065 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 60.66 Mbit/s
95th percentile per-packet one-way delay: 107.021 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 20.62 Mbit/s
95th percentile per-packet one-way delay: 109.795 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 111.194 ms
Loss rate: 4.17%

Run 9: Report of Vivace-latency — Data Link

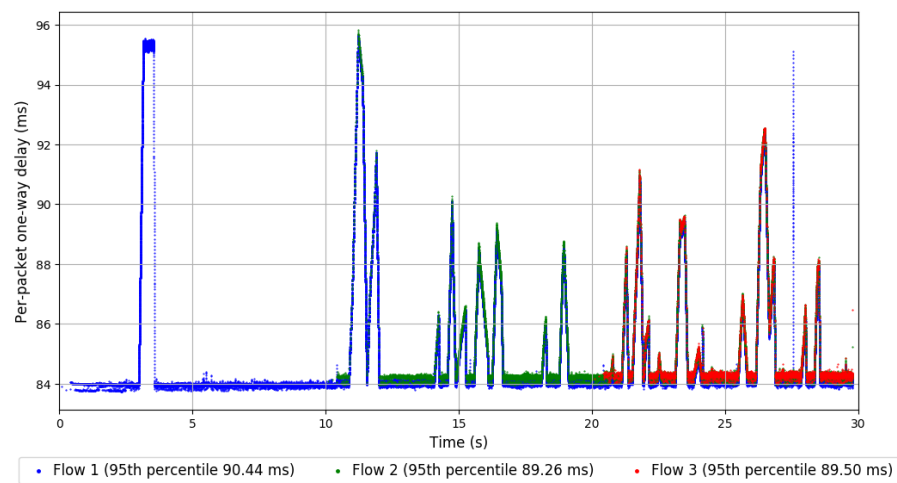
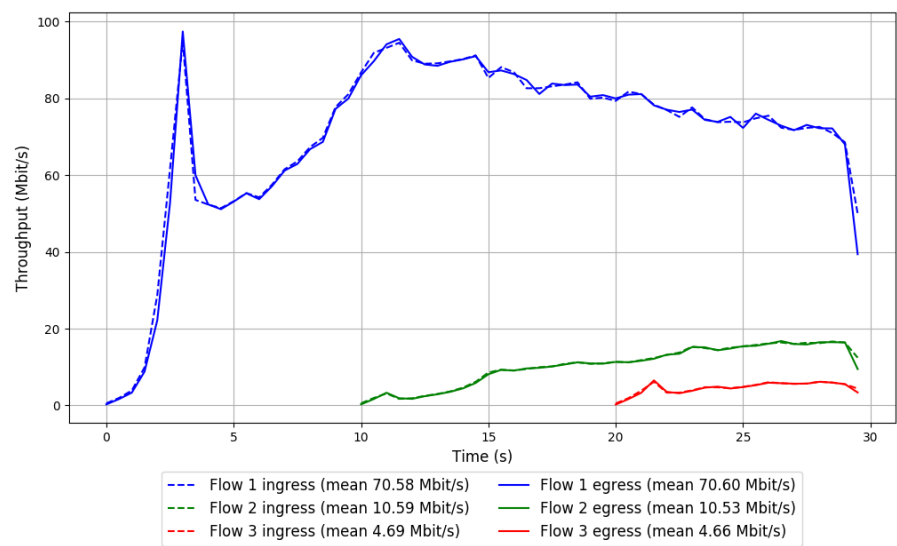


Run 10: Statistics of Vivace-latency

Start at: 2018-03-06 15:17:13
End at: 2018-03-06 15:17:43
Local clock offset: -6.054 ms
Remote clock offset: -6.603 ms

Below is generated by plot.py at 2018-03-06 20:00:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 90.180 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 90.442 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 89.264 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 89.497 ms
Loss rate: 2.21%

Run 10: Report of Vivace-latency — Data Link

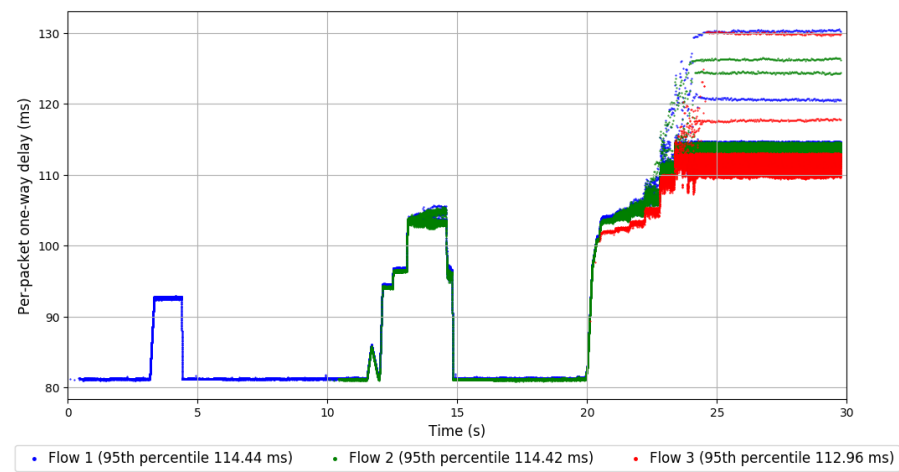
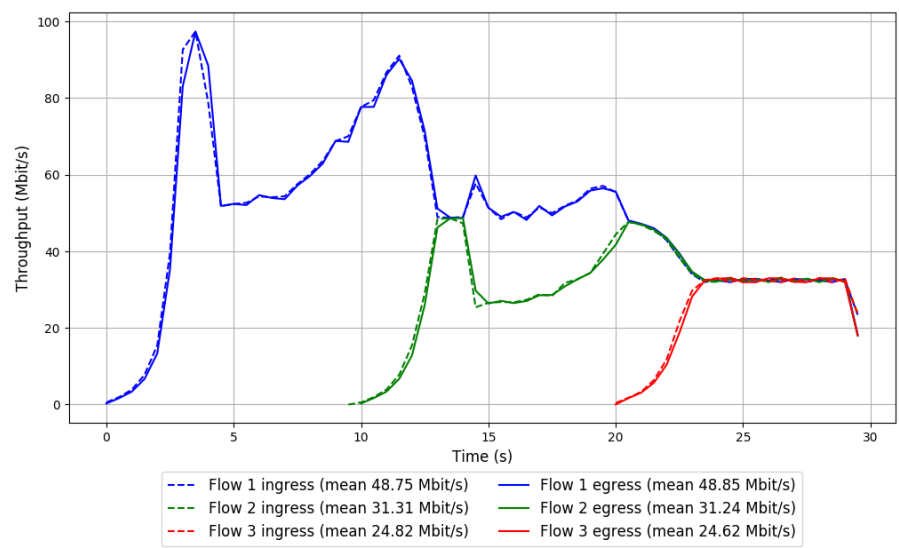


Run 1: Statistics of Vivace-loss

Start at: 2018-03-06 12:00:35
End at: 2018-03-06 12:01:05
Local clock offset: -6.733 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2018-03-06 20:01:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 114.416 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 114.445 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 114.423 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 112.963 ms
Loss rate: 2.62%

Run 1: Report of Vivace-loss — Data Link

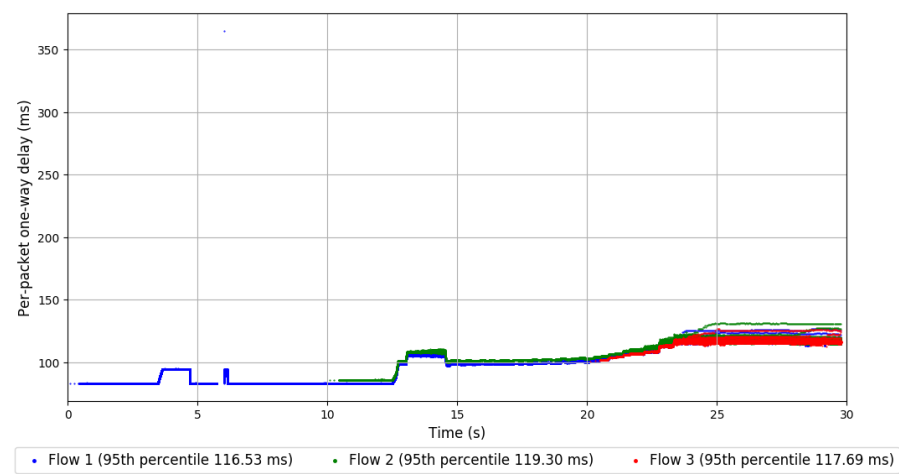
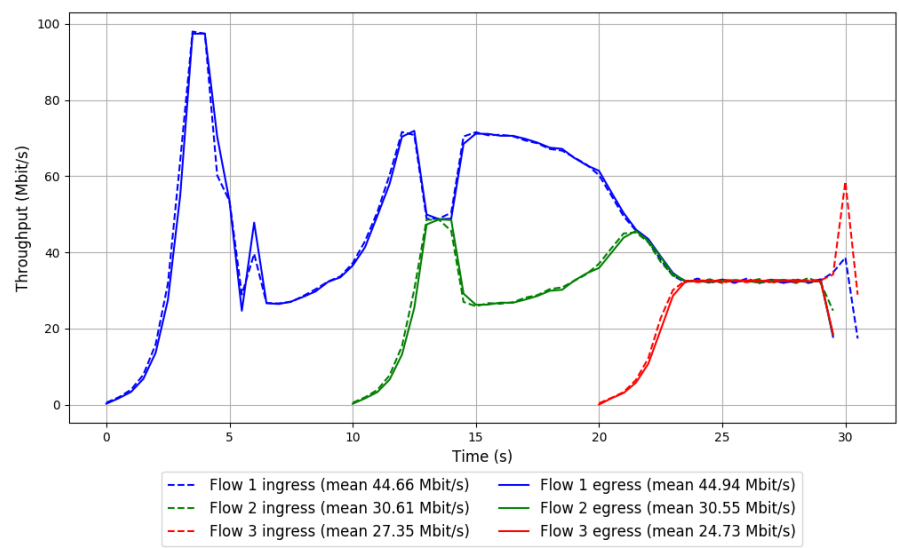


Run 2: Statistics of Vivace-loss

Start at: 2018-03-06 12:24:04
End at: 2018-03-06 12:24:34
Local clock offset: -7.173 ms
Remote clock offset: -5.224 ms

Below is generated by plot.py at 2018-03-06 20:01:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 118.639 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: 116.525 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 119.304 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 117.685 ms
Loss rate: 18.78%

Run 2: Report of Vivace-loss — Data Link

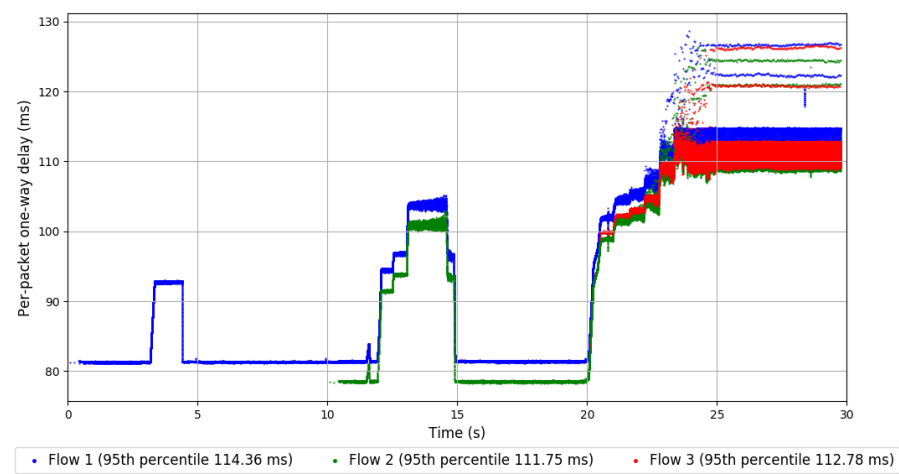
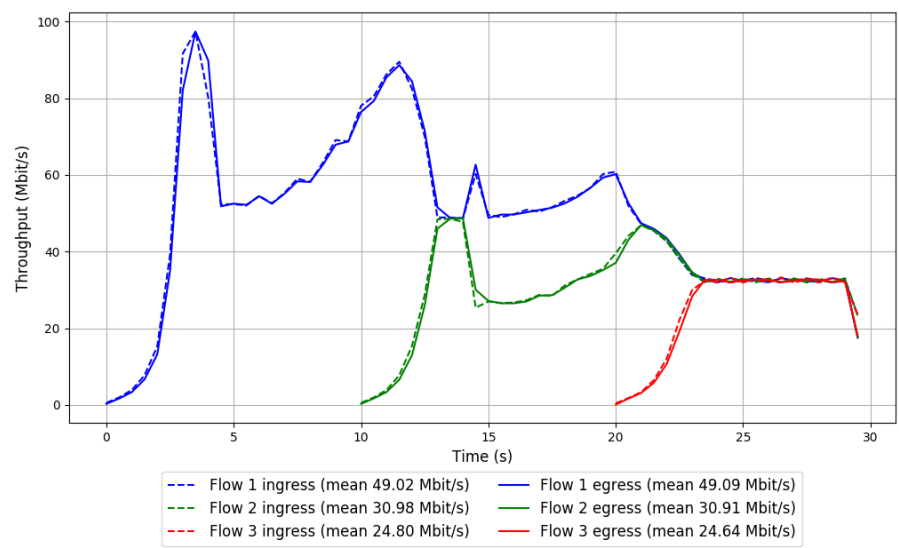


Run 3: Statistics of Vivace-loss

Start at: 2018-03-06 12:47:48
End at: 2018-03-06 12:48:18
Local clock offset: -6.833 ms
Remote clock offset: -0.692 ms

Below is generated by plot.py at 2018-03-06 20:01:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 113.146 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 49.09 Mbit/s
95th percentile per-packet one-way delay: 114.364 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 111.750 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 112.781 ms
Loss rate: 2.62%

Run 3: Report of Vivace-loss — Data Link

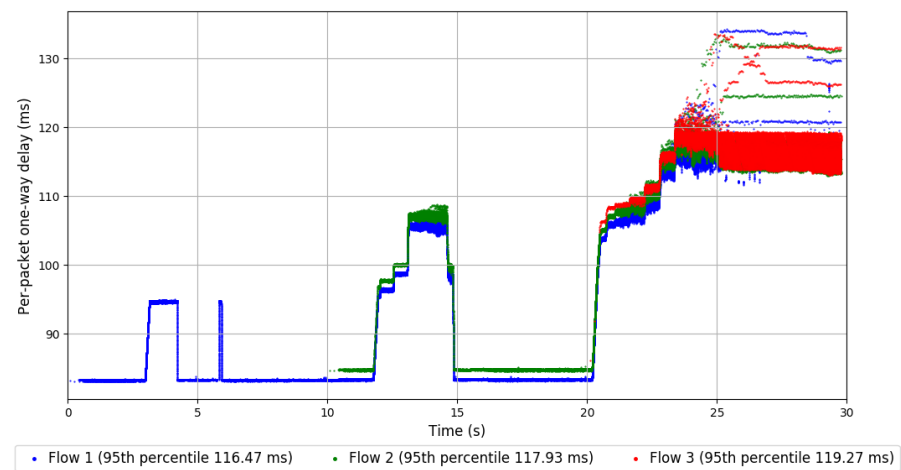
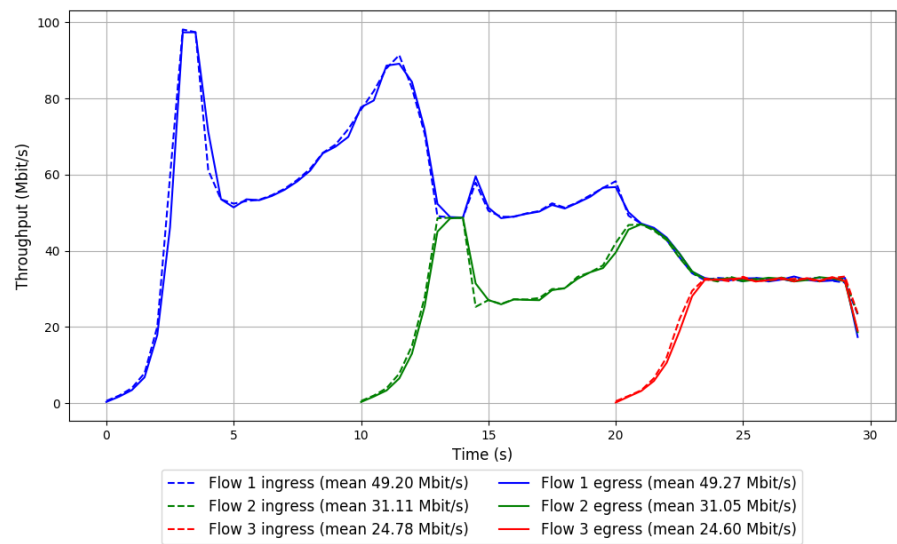


Run 4: Statistics of Vivace-loss

Start at: 2018-03-06 13:11:26
End at: 2018-03-06 13:11:56
Local clock offset: -6.747 ms
Remote clock offset: -5.924 ms

Below is generated by plot.py at 2018-03-06 20:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 117.897 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 49.27 Mbit/s
95th percentile per-packet one-way delay: 116.468 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 117.926 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 119.266 ms
Loss rate: 2.65%

Run 4: Report of Vivace-loss — Data Link

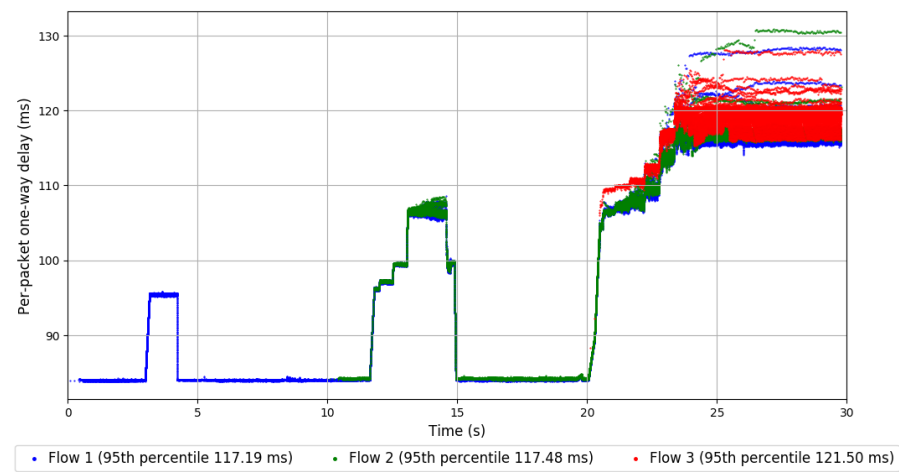
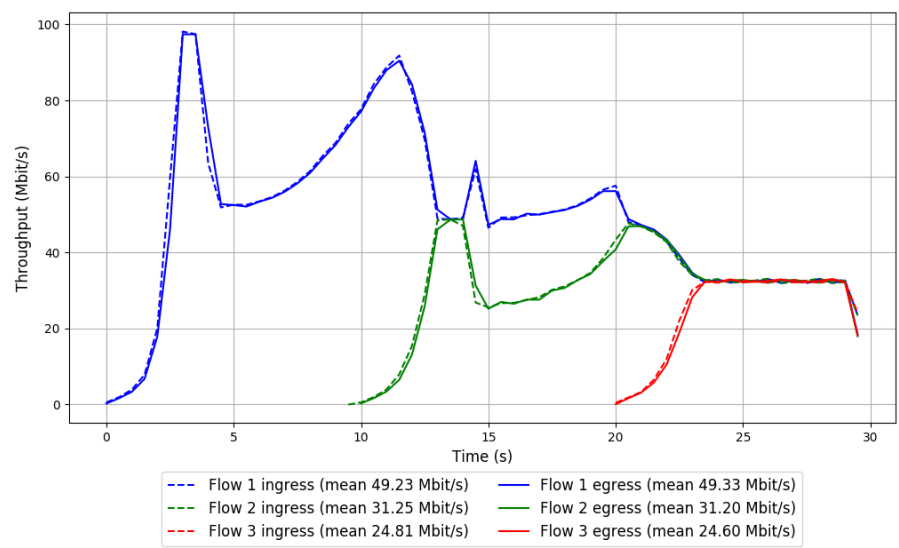


Run 5: Statistics of Vivace-loss

Start at: 2018-03-06 13:34:57
End at: 2018-03-06 13:35:27
Local clock offset: -6.768 ms
Remote clock offset: -6.163 ms

Below is generated by plot.py at 2018-03-06 20:01:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 119.477 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 117.192 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 117.481 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 121.499 ms
Loss rate: 2.75%

Run 5: Report of Vivace-loss — Data Link

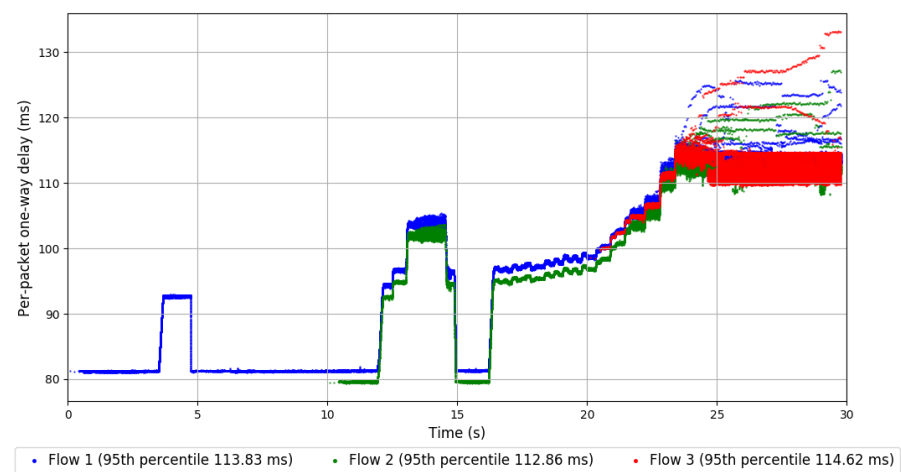
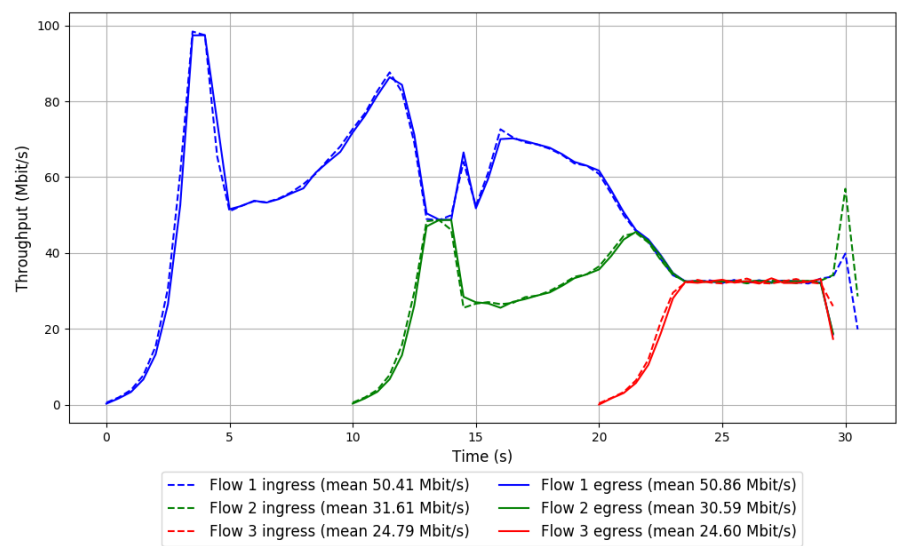


Run 6: Statistics of Vivace-loss

Start at: 2018-03-06 13:58:30
End at: 2018-03-06 13:59:00
Local clock offset: -5.876 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2018-03-06 20:01:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 114.259 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 113.825 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 112.855 ms
Loss rate: 8.27%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 114.620 ms
Loss rate: 3.14%

Run 6: Report of Vivace-loss — Data Link

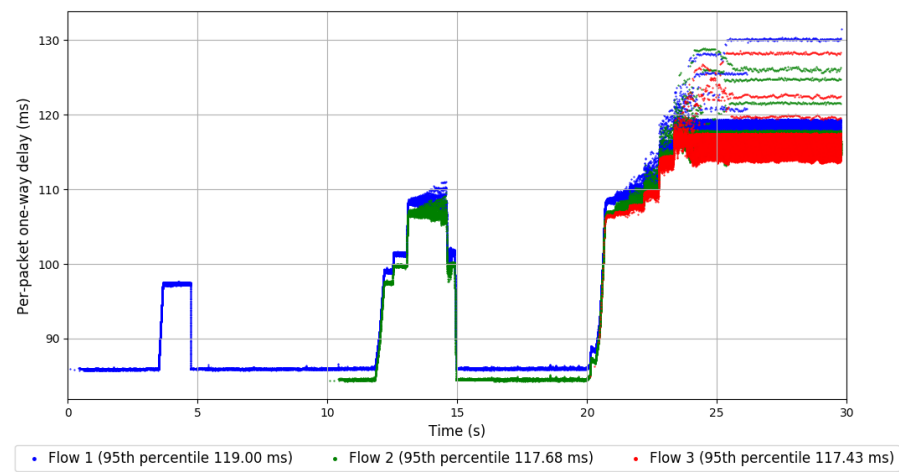
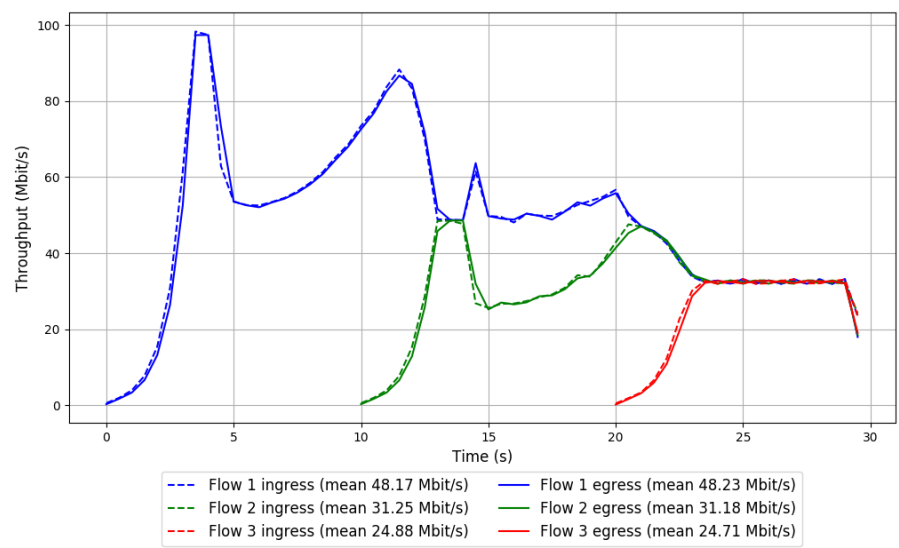


Run 7: Statistics of Vivace-loss

Start at: 2018-03-06 14:22:17
End at: 2018-03-06 14:22:47
Local clock offset: -5.823 ms
Remote clock offset: -5.491 ms

Below is generated by plot.py at 2018-03-06 20:01:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 118.484 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 119.001 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 117.682 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 117.428 ms
Loss rate: 2.61%

Run 7: Report of Vivace-loss — Data Link

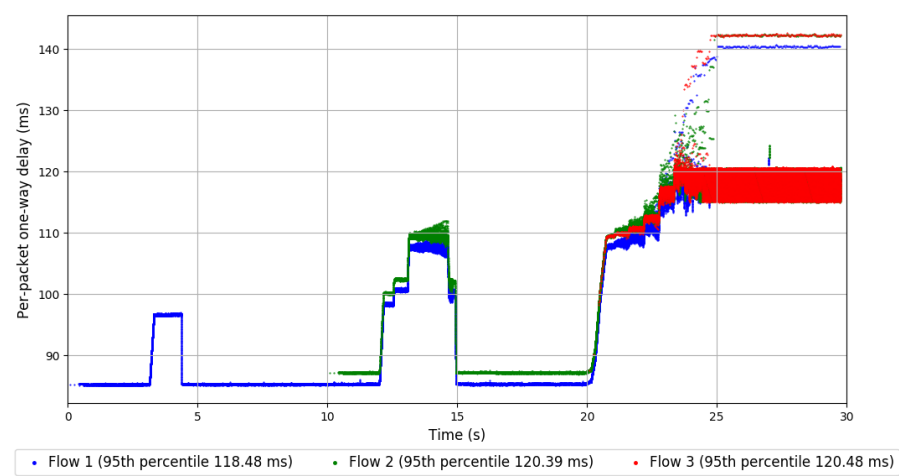
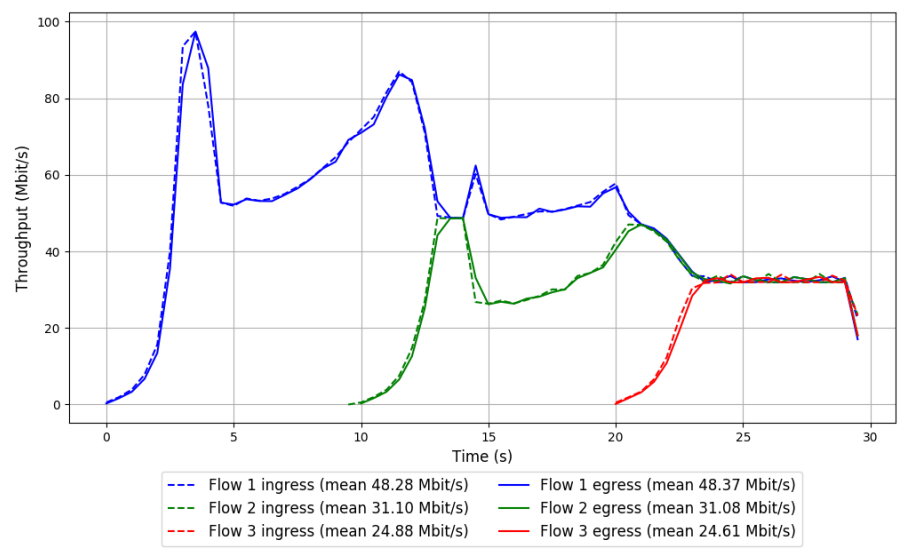


Run 8: Statistics of Vivace-loss

Start at: 2018-03-06 14:45:54
End at: 2018-03-06 14:46:24
Local clock offset: -5.81 ms
Remote clock offset: -6.549 ms

Below is generated by plot.py at 2018-03-06 20:02:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.98 Mbit/s
95th percentile per-packet one-way delay: 120.321 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 118.480 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 120.394 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 120.480 ms
Loss rate: 2.78%

Run 8: Report of Vivace-loss — Data Link

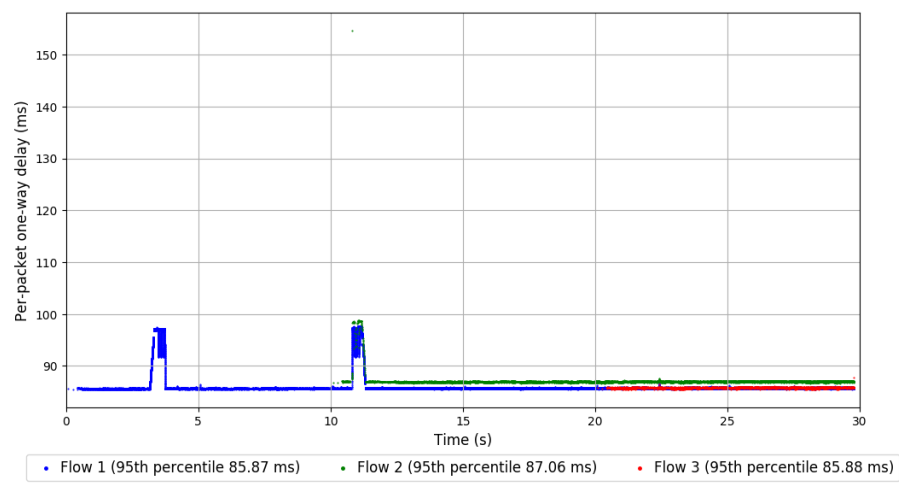
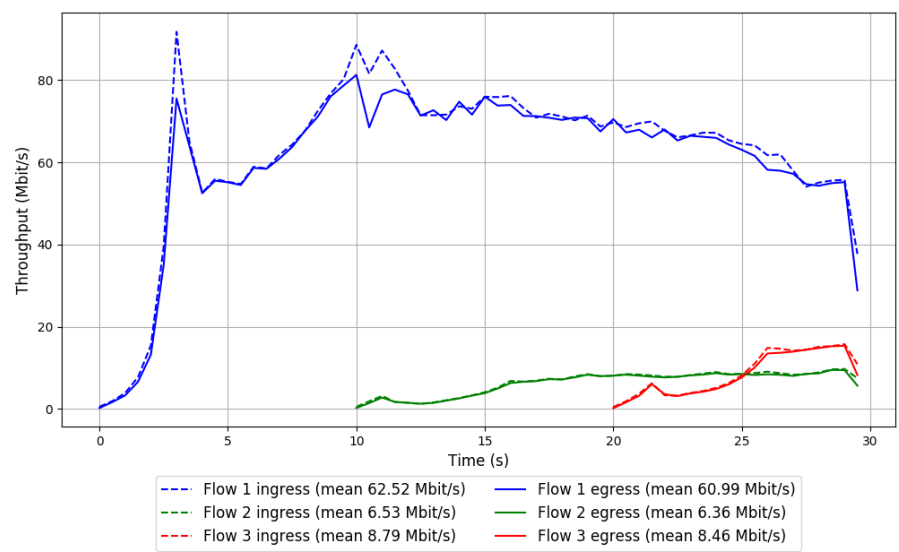


Run 9: Statistics of Vivace-loss

Start at: 2018-03-06 15:09:23
End at: 2018-03-06 15:09:53
Local clock offset: -6.039 ms
Remote clock offset: -6.587 ms

Below is generated by plot.py at 2018-03-06 20:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 87.019 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 85.873 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 87.055 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 85.878 ms
Loss rate: 5.37%

Run 9: Report of Vivace-loss — Data Link

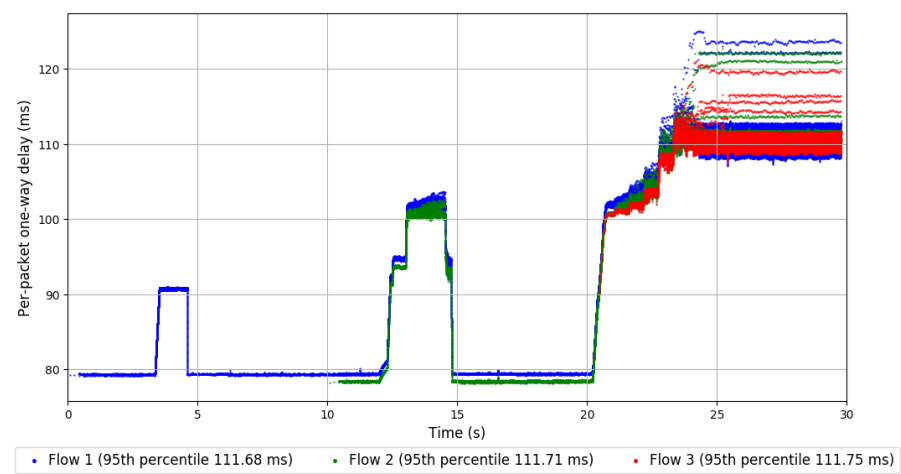
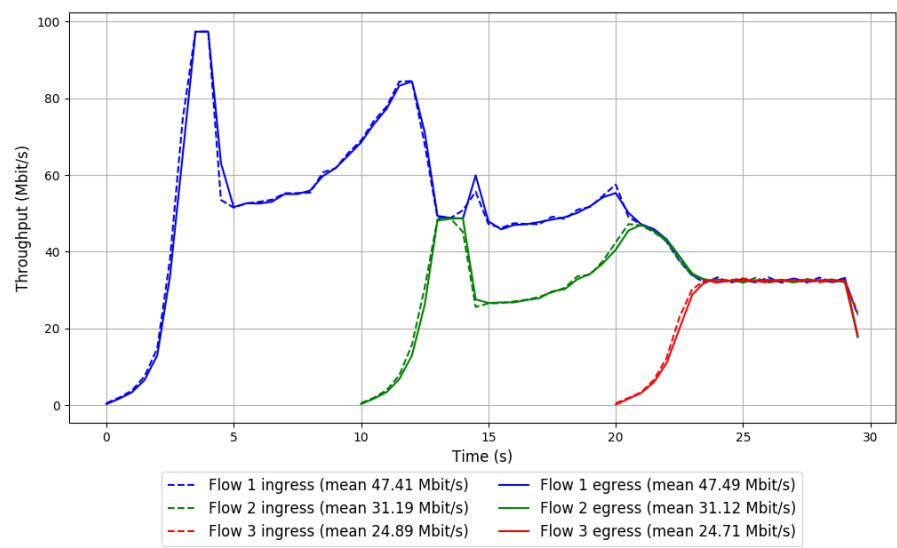


Run 10: Statistics of Vivace-loss

Start at: 2018-03-06 15:33:00
End at: 2018-03-06 15:33:30
Local clock offset: -6.376 ms
Remote clock offset: -0.918 ms

Below is generated by plot.py at 2018-03-06 20:02:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 111.709 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 111.679 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 111.711 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 111.750 ms
Loss rate: 2.61%

Run 10: Report of Vivace-loss — Data Link

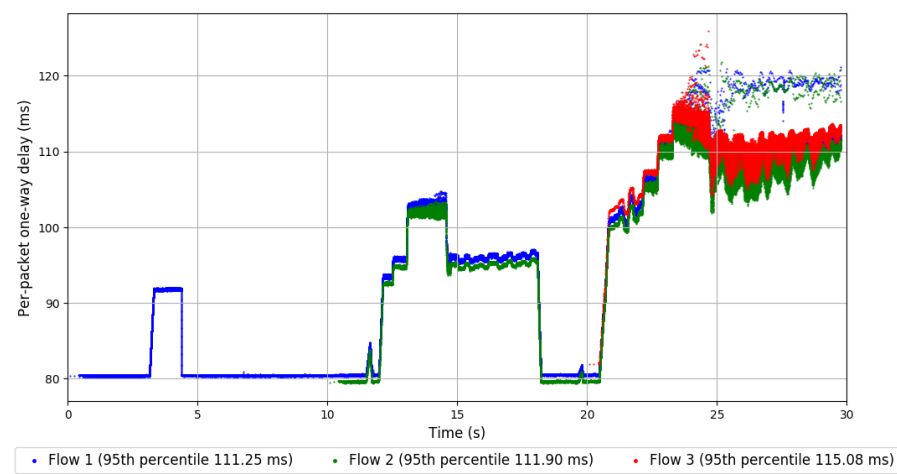
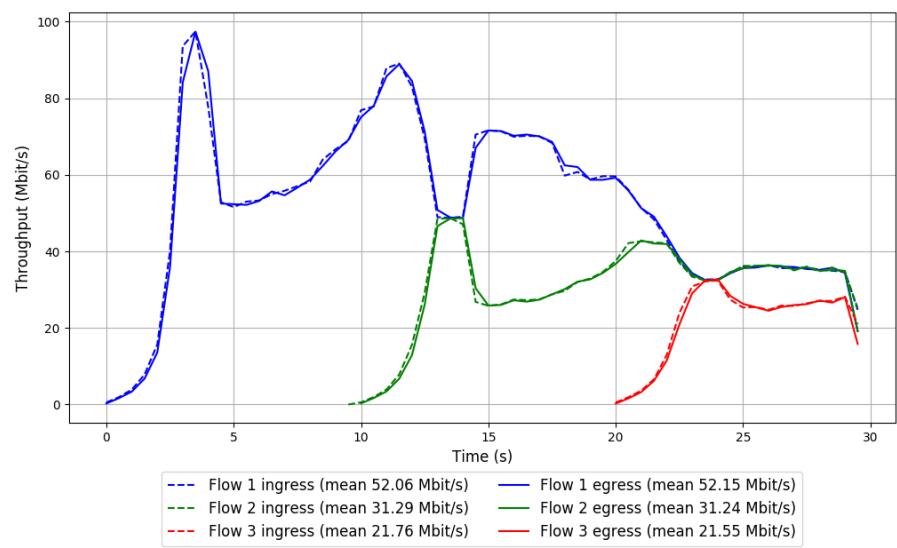


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-06 11:48:46
End at: 2018-03-06 11:49:16
Local clock offset: -6.274 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-03-06 20:02:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 112.540 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 52.15 Mbit/s
95th percentile per-packet one-way delay: 111.250 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 111.902 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 115.077 ms
Loss rate: 2.66%

Run 1: Report of Vivace-LTE — Data Link

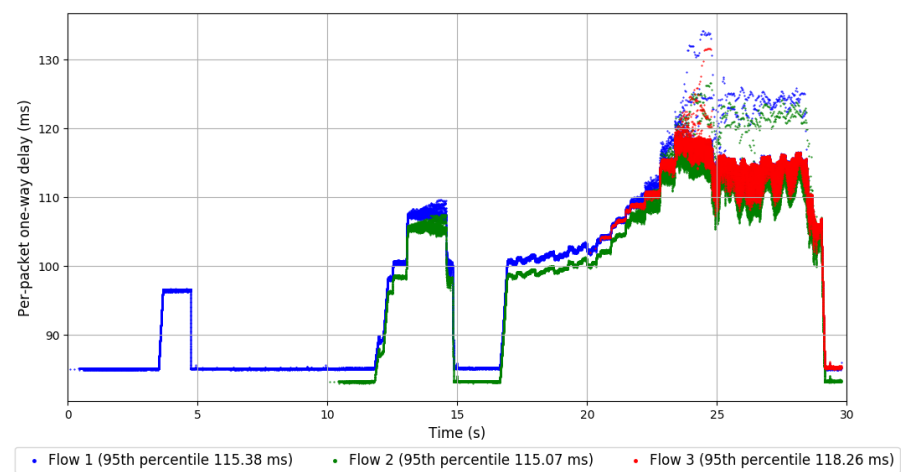
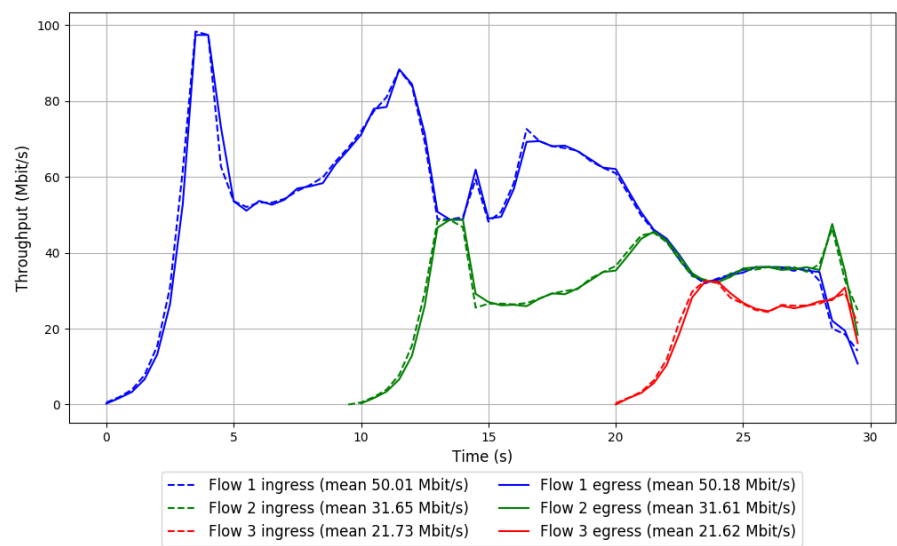


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-06 12:12:18
End at: 2018-03-06 12:12:48
Local clock offset: -7.017 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-03-06 20:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 115.858 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 115.384 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 115.070 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 21.62 Mbit/s
95th percentile per-packet one-way delay: 118.259 ms
Loss rate: 2.35%

Run 2: Report of Vivace-LTE — Data Link

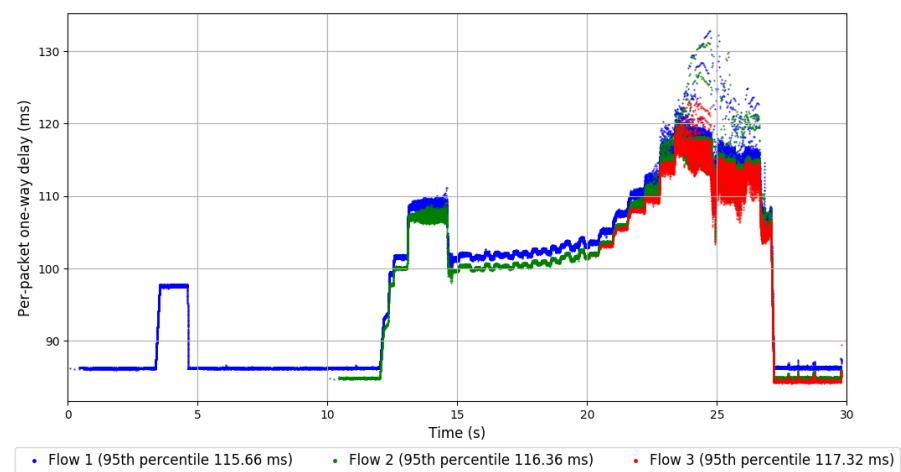
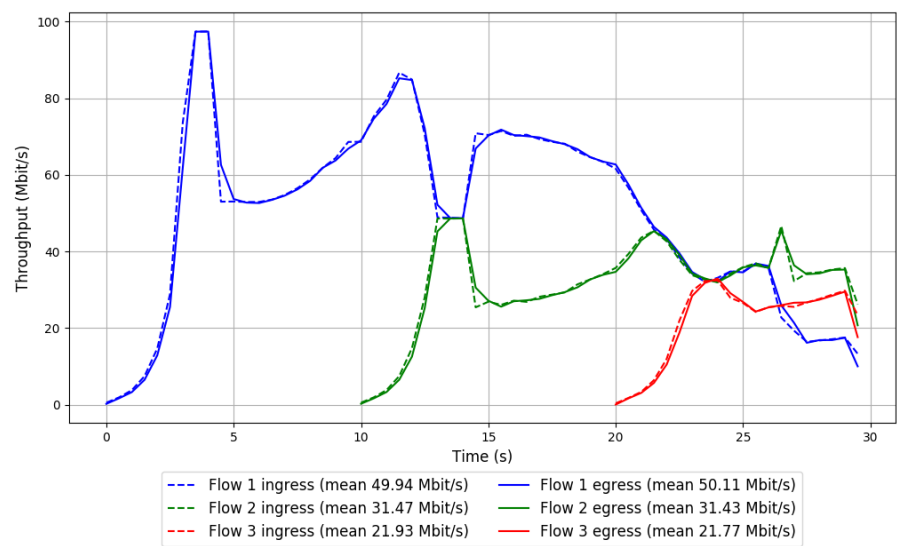


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-06 12:35:48
End at: 2018-03-06 12:36:18
Local clock offset: -6.93 ms
Remote clock offset: -5.247 ms

Below is generated by plot.py at 2018-03-06 20:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 116.193 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 115.656 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 116.362 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 117.320 ms
Loss rate: 2.56%

Run 3: Report of Vivace-LTE — Data Link

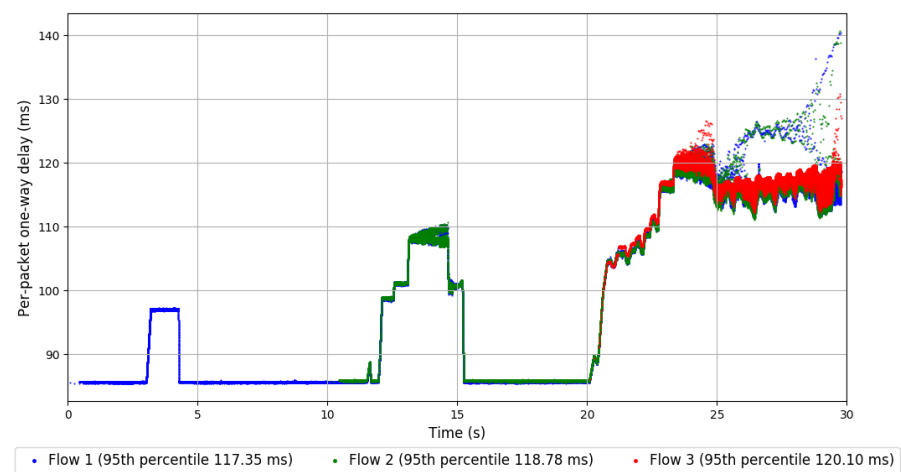
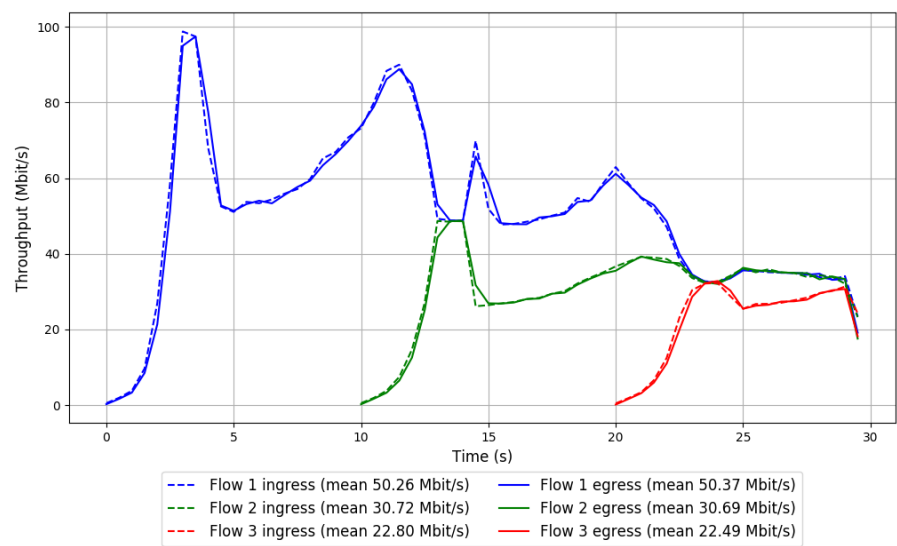


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-06 12:59:37
End at: 2018-03-06 13:00:07
Local clock offset: -6.76 ms
Remote clock offset: -6.607 ms

Below is generated by plot.py at 2018-03-06 20:02:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.03 Mbit/s
95th percentile per-packet one-way delay: 118.771 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 117.350 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 118.779 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 120.104 ms
Loss rate: 3.03%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-03-06 13:23:11

End at: 2018-03-06 13:23:41

Local clock offset: -6.74 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at 2018-03-06 20:03:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.16 Mbit/s

95th percentile per-packet one-way delay: 111.853 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 110.752 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 30.88 Mbit/s

95th percentile per-packet one-way delay: 111.923 ms

Loss rate: 1.76%

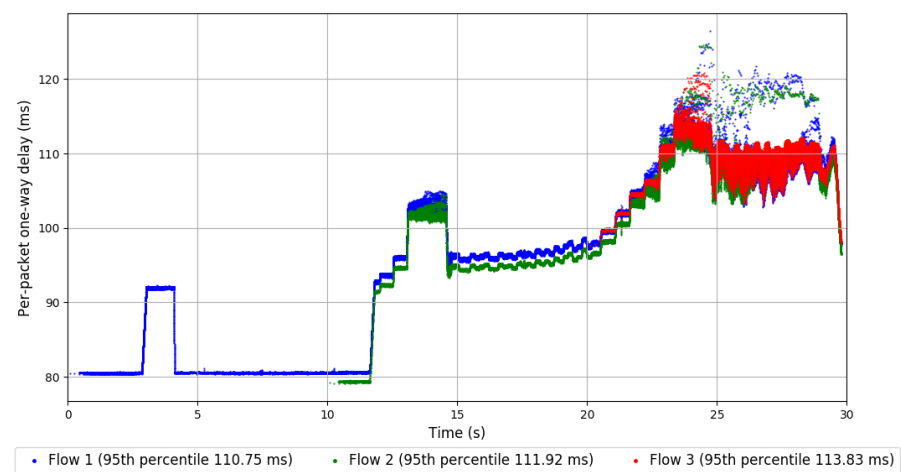
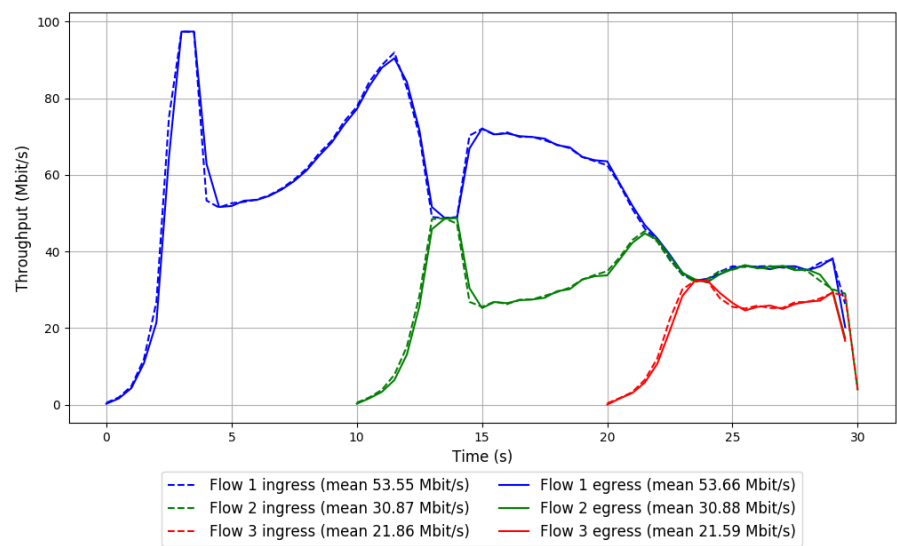
-- Flow 3:

Average throughput: 21.59 Mbit/s

95th percentile per-packet one-way delay: 113.829 ms

Loss rate: 5.02%

Run 5: Report of Vivace-LTE — Data Link

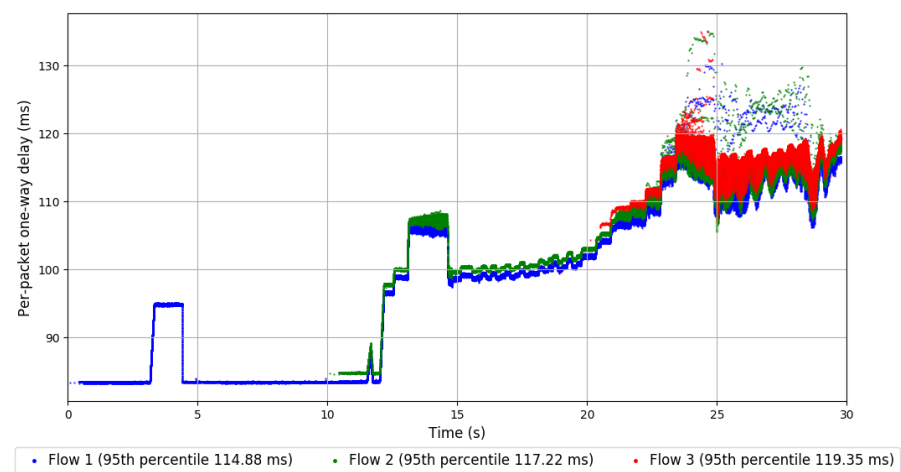
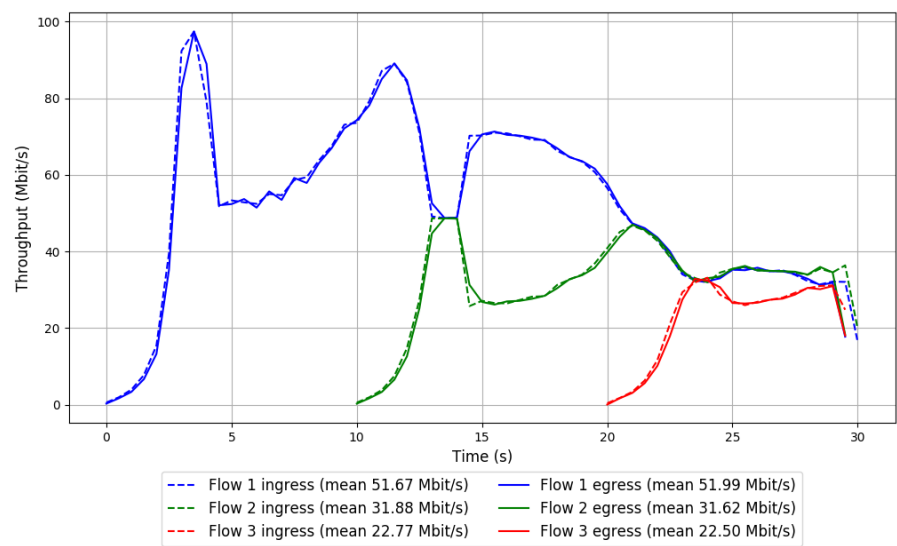


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-06 13:46:41
End at: 2018-03-06 13:47:11
Local clock offset: -6.213 ms
Remote clock offset: -5.288 ms

Below is generated by plot.py at 2018-03-06 20:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 117.174 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 114.884 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 117.218 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 22.50 Mbit/s
95th percentile per-packet one-way delay: 119.350 ms
Loss rate: 3.22%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-06 14:10:15

End at: 2018-03-06 14:10:45

Local clock offset: -5.755 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-03-06 20:03:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.55 Mbit/s

95th percentile per-packet one-way delay: 113.209 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 112.526 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 112.839 ms

Loss rate: 1.09%

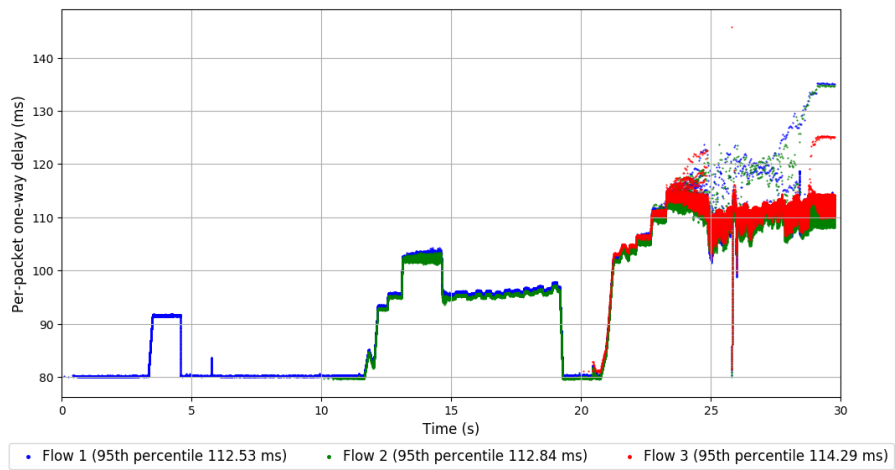
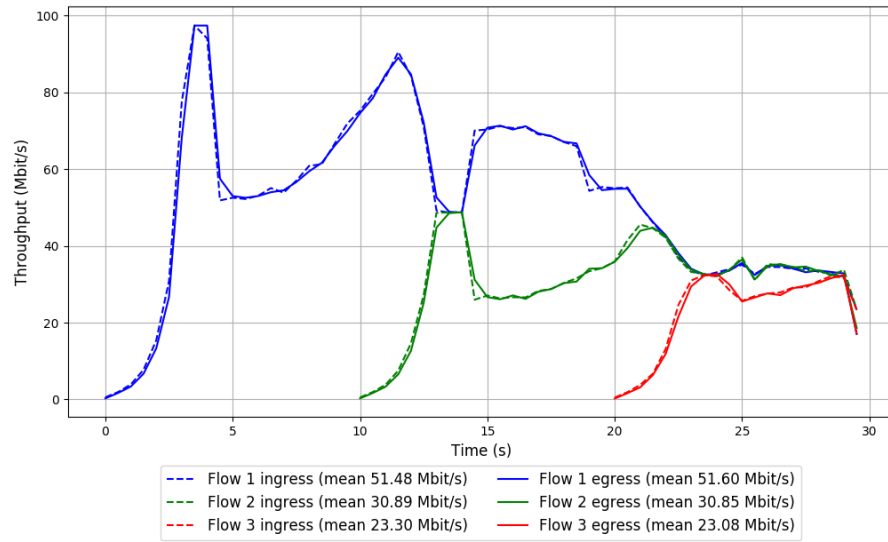
-- Flow 3:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 114.292 ms

Loss rate: 2.77%

Run 7: Report of Vivace-LTE — Data Link

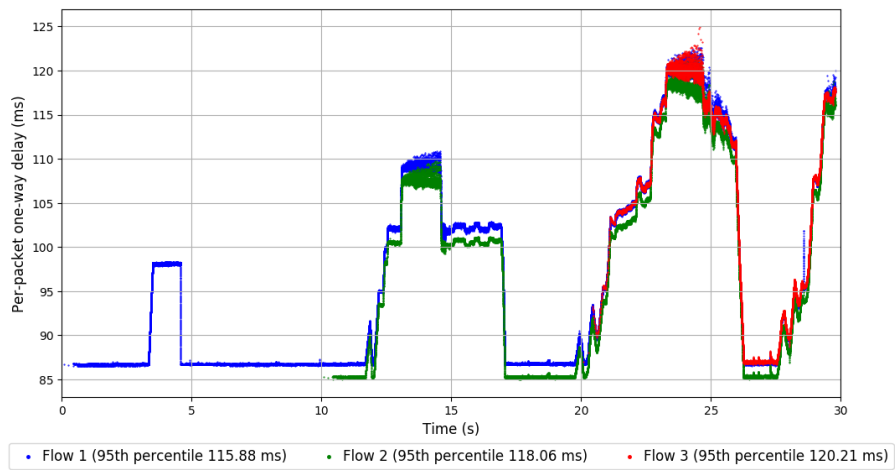
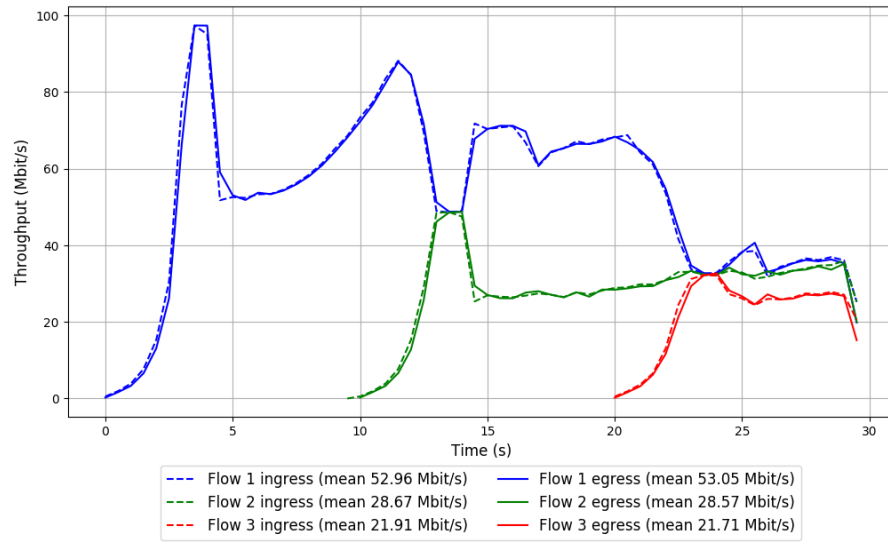


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-06 14:34:06
End at: 2018-03-06 14:34:36
Local clock offset: -5.771 ms
Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-03-06 20:03:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 118.142 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 115.881 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 118.058 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 120.213 ms
Loss rate: 2.64%

Run 8: Report of Vivace-LTE — Data Link

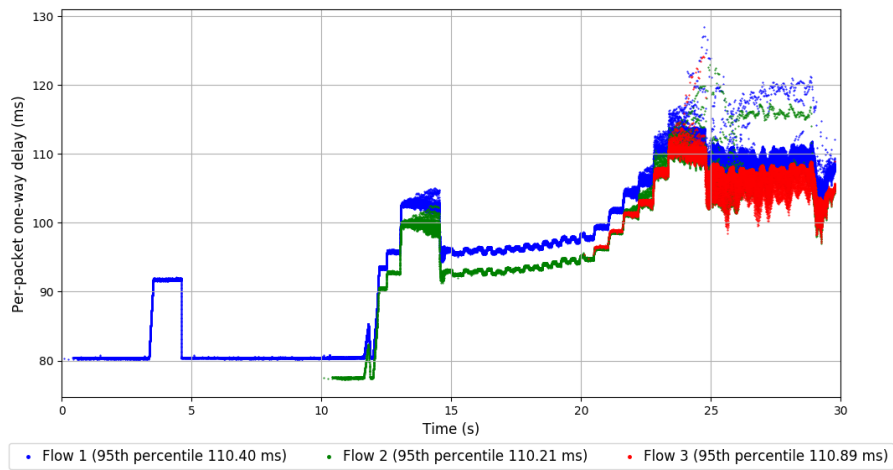
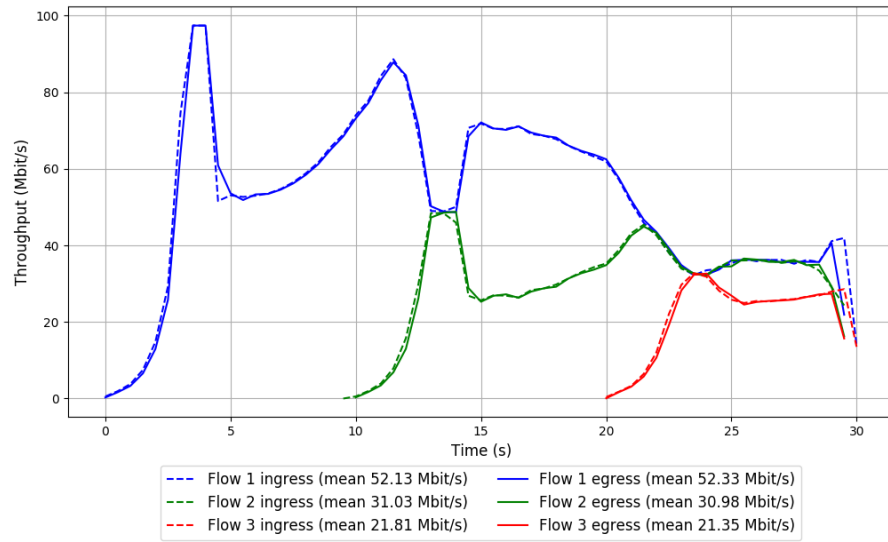


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-06 14:57:37
End at: 2018-03-06 14:58:07
Local clock offset: -6.049 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-03-06 20:03:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 110.502 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 110.404 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 110.208 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 110.889 ms
Loss rate: 7.25%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-06 15:21:10
End at: 2018-03-06 15:21:40
Local clock offset: -6.221 ms
Remote clock offset: -1.798 ms

Below is generated by plot.py at 2018-03-06 20:03:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 112.612 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 110.717 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 113.859 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 113.989 ms
Loss rate: 3.14%

Run 10: Report of Vivace-LTE — Data Link

