

Pantheon Report

Generated at 2017-09-08 06:36:08 (UTC).

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

Repeated the test of 15 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).

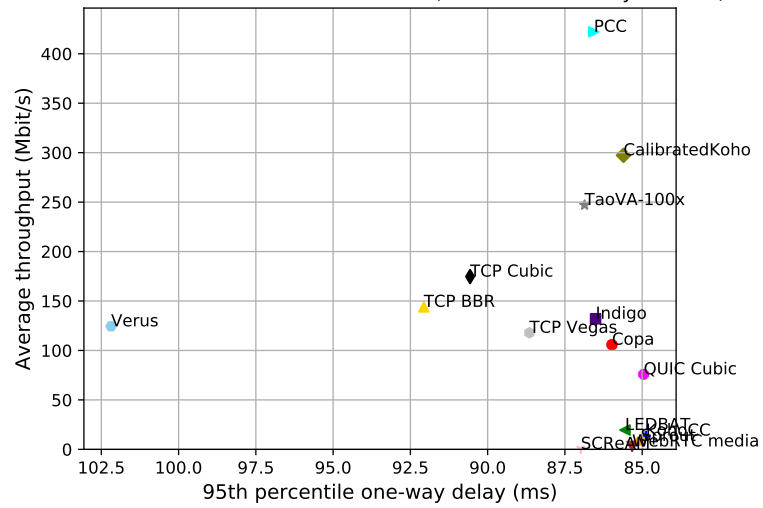
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

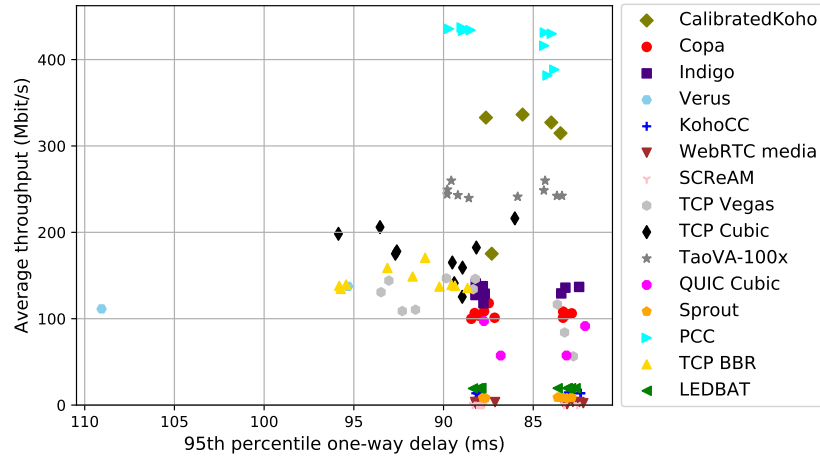
Git summary:

```
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



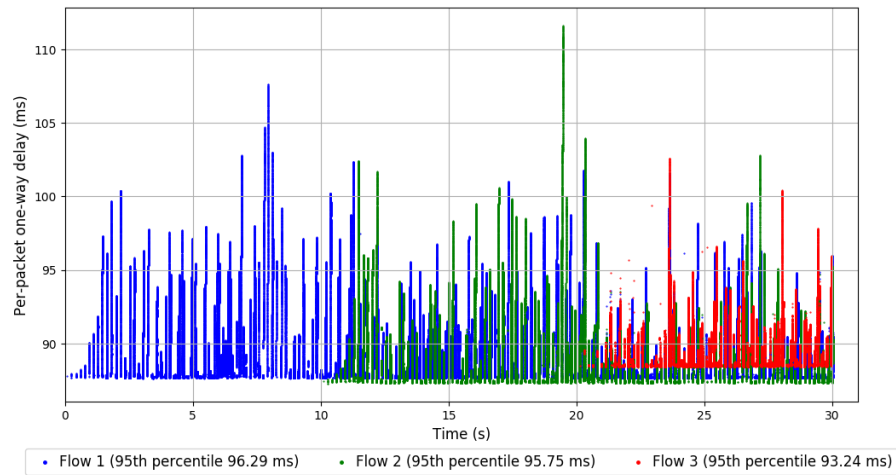
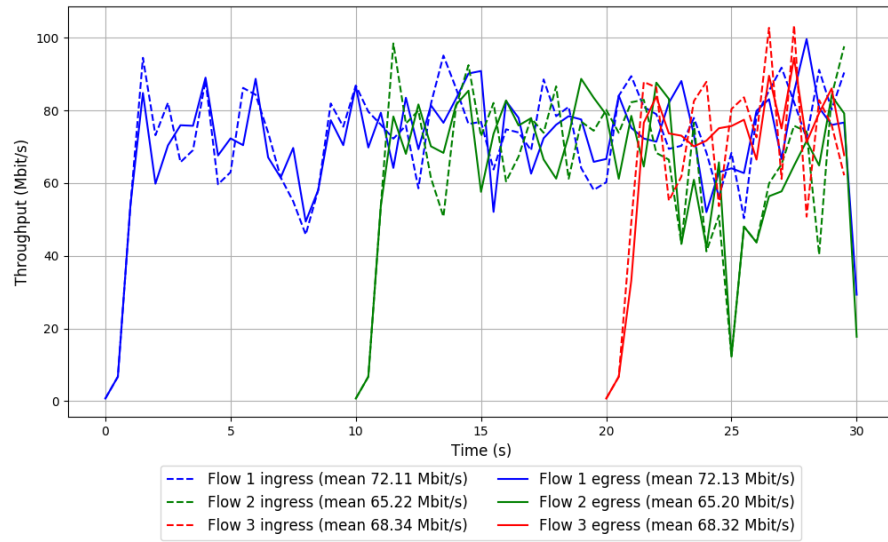
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	75.81	69.97	66.01	92.70	91.35	88.83	0.00	0.01	0.00
CalibratedKoho	5	169.22	163.61	48.94	716.17	85.50	85.34	3.18	6.46	9.72
Copa	10	60.92	54.06	36.71	85.37	85.38	85.56	0.00	0.00	0.00
TCP Cubic	10	97.84	82.17	66.97	91.18	88.80	87.65	0.00	0.00	0.01
Indigo	10	72.42	65.07	50.89	86.07	86.17	86.18	0.00	0.00	0.00
KohoCC	10	6.95	6.85	6.62	84.57	84.71	84.49	0.00	0.00	0.00
LEDBAT	10	12.67	8.34	4.06	84.63	85.44	85.35	0.00	0.00	0.00
PCC	10	242.85	174.39	194.93	86.41	86.65	86.43	4.53	7.12	5.18
QUIC Cubic	4	27.91	50.88	43.57	84.67	84.50	85.03	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.42	86.65	86.66	0.03	0.00	0.00
Sprout	10	4.40	4.16	3.64	84.73	84.68	84.76	0.00	0.00	0.00
TaoVA-100x	10	157.94	109.05	68.11	86.52	87.20	86.96	0.00	0.00	0.01
TCP Vegas	10	59.33	57.58	62.73	318.36	87.09	86.53	0.00	0.00	0.00
Verus	2	74.77	57.06	37.39	96.83	114.93	98.74	0.00	0.00	0.00
WebRTC media	10	1.63	0.99	0.32	84.84	85.00	85.25	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2017-09-08 01:44:07
End at: 2017-09-08 01:44:37
Local clock offset: 0.043 ms
Remote clock offset: -3.101 ms

Below is generated by plot.py at 2017-09-08 06:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.03 Mbit/s
95th percentile per-packet one-way delay: 95.813 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 96.294 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 95.750 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 93.244 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

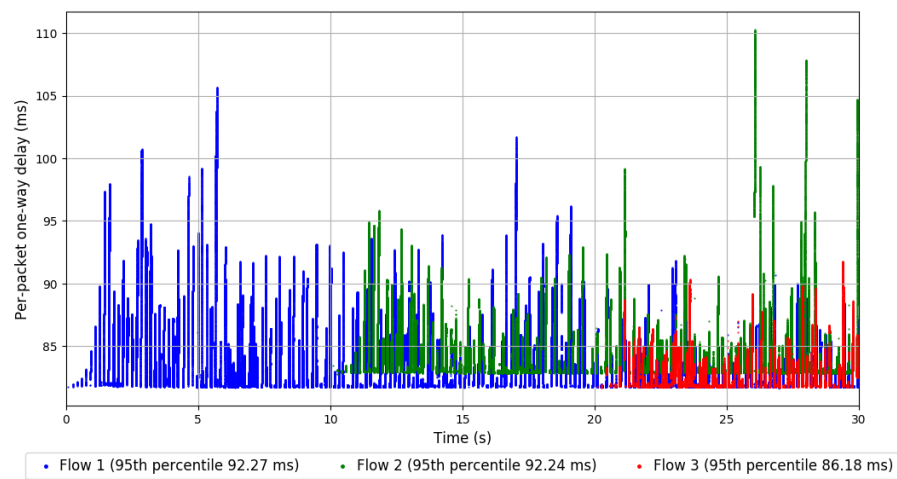
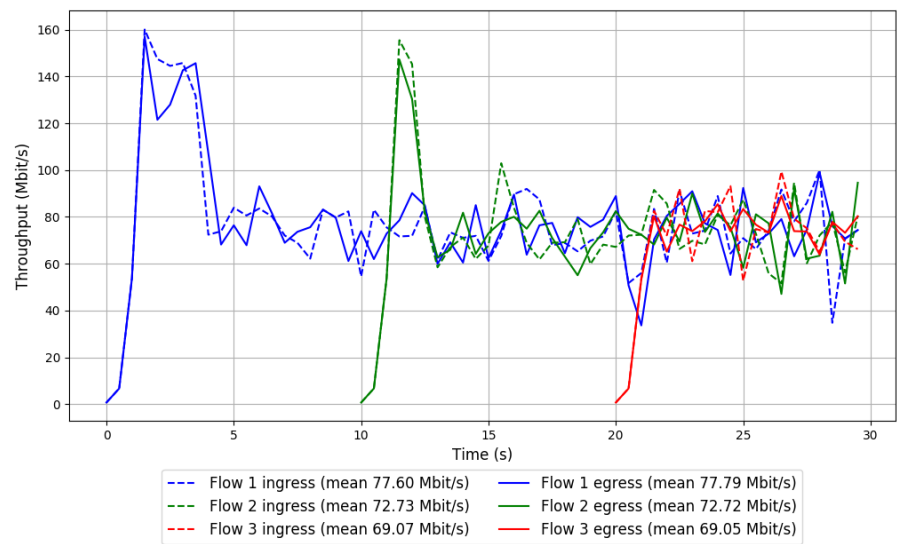


Run 2: Statistics of TCP BBR

Start at: 2017-09-08 02:04:47
End at: 2017-09-08 02:05:17
Local clock offset: 0.123 ms
Remote clock offset: -8.342 ms

Below is generated by plot.py at 2017-09-08 06:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 91.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 92.270 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.72 Mbit/s
95th percentile per-packet one-way delay: 92.241 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 86.179 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

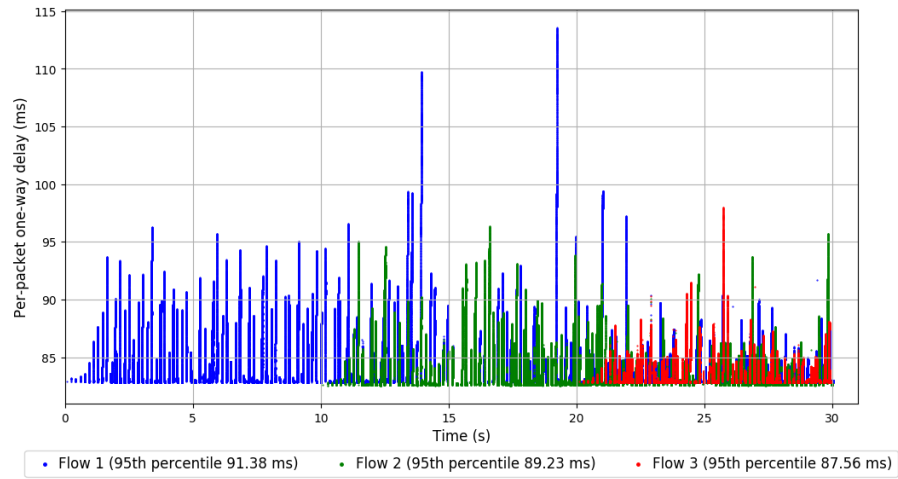
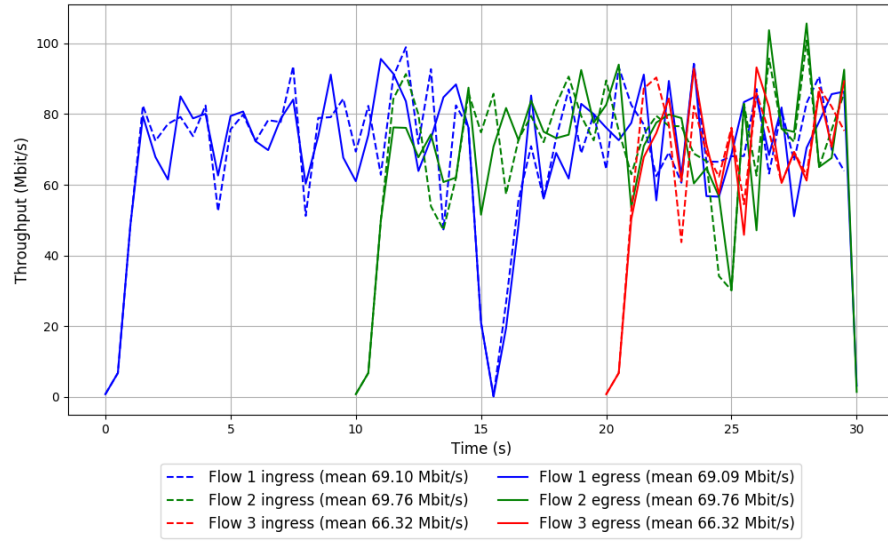


Run 3: Statistics of TCP BBR

Start at: 2017-09-08 02:25:38
End at: 2017-09-08 02:26:08
Local clock offset: 0.163 ms
Remote clock offset: -8.493 ms

Below is generated by plot.py at 2017-09-08 06:14:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.22 Mbit/s
95th percentile per-packet one-way delay: 90.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 91.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 89.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 87.562 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

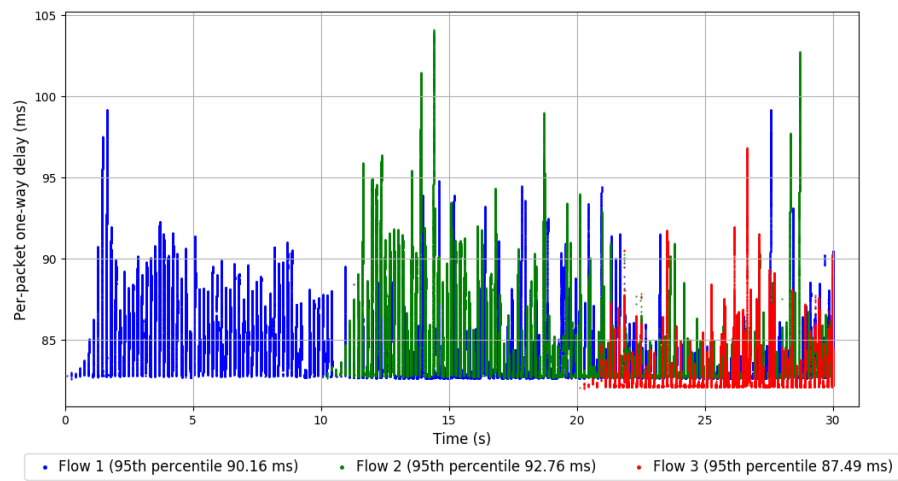
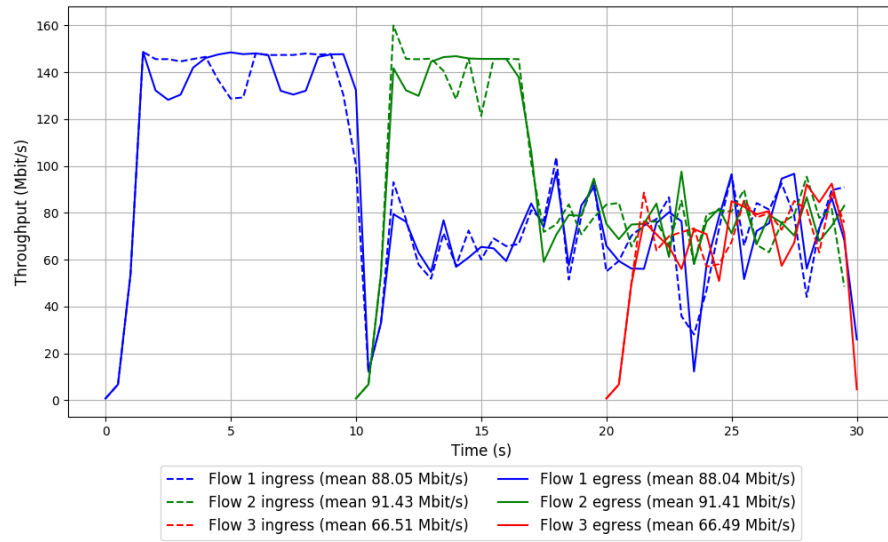


Run 4: Statistics of TCP BBR

Start at: 2017-09-08 02:46:31
End at: 2017-09-08 02:47:01
Local clock offset: 0.13 ms
Remote clock offset: -8.162 ms

Below is generated by plot.py at 2017-09-08 06:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.56 Mbit/s
95th percentile per-packet one-way delay: 91.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 90.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 92.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.49 Mbit/s
95th percentile per-packet one-way delay: 87.489 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

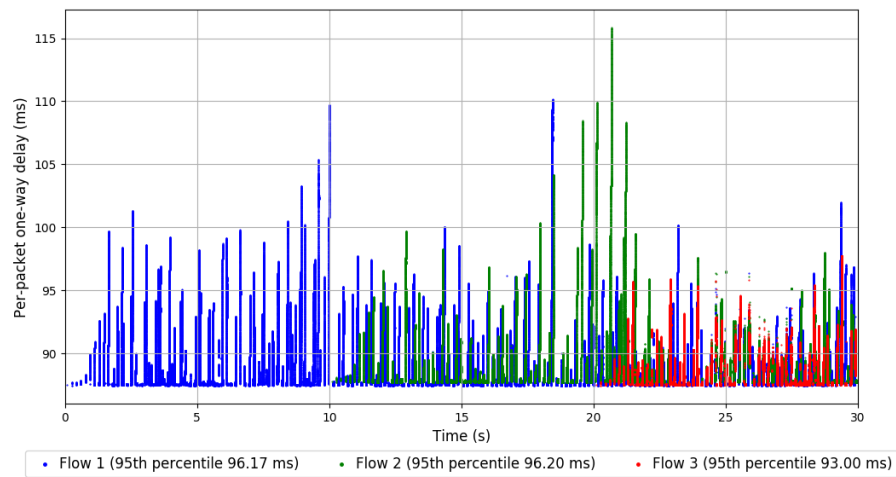
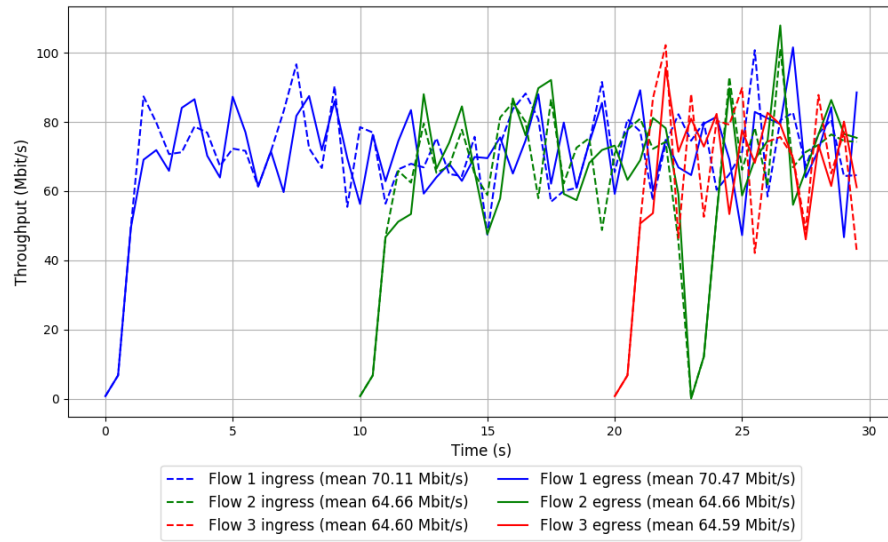


Run 5: Statistics of TCP BBR

Start at: 2017-09-08 03:07:35
End at: 2017-09-08 03:08:05
Local clock offset: 0.219 ms
Remote clock offset: -3.097 ms

Below is generated by plot.py at 2017-09-08 06:14:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.54 Mbit/s
95th percentile per-packet one-way delay: 95.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 96.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 96.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.59 Mbit/s
95th percentile per-packet one-way delay: 92.998 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

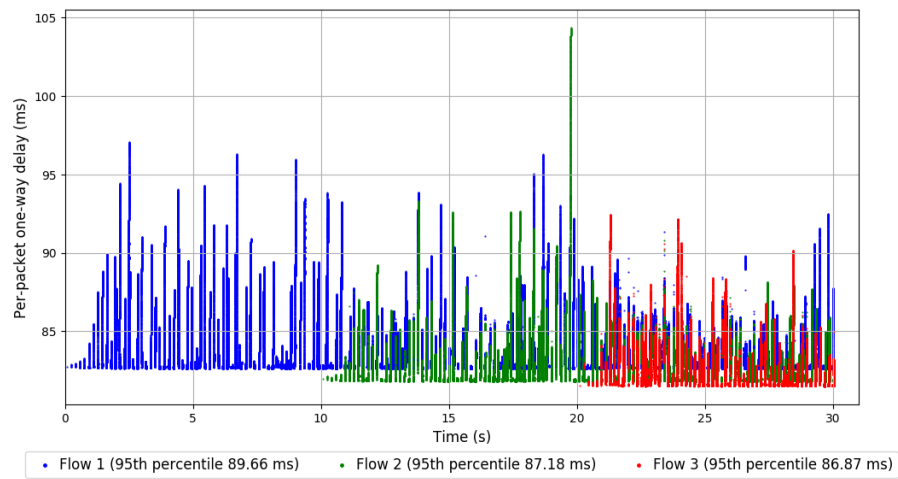
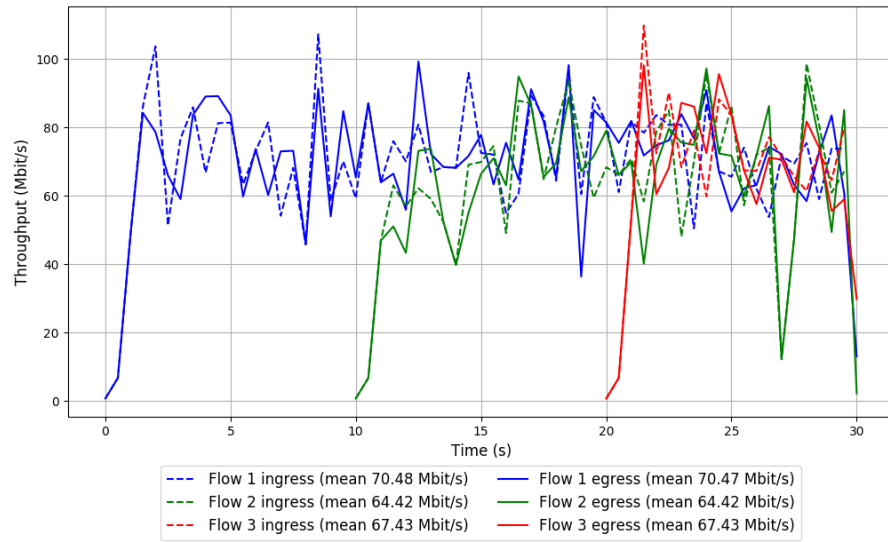


Run 6: Statistics of TCP BBR

Start at: 2017-09-08 03:28:34
End at: 2017-09-08 03:29:04
Local clock offset: 0.236 ms
Remote clock offset: -7.617 ms

Below is generated by plot.py at 2017-09-08 06:14:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.63 Mbit/s
95th percentile per-packet one-way delay: 88.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 89.660 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 87.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

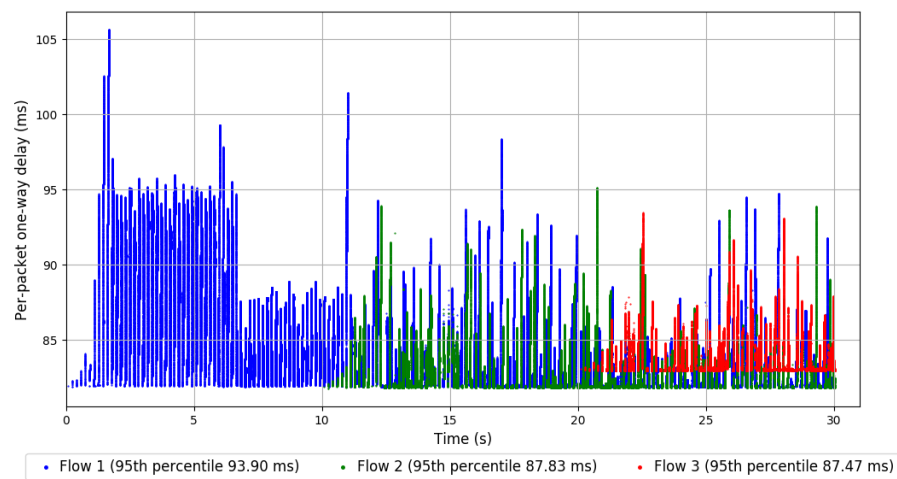
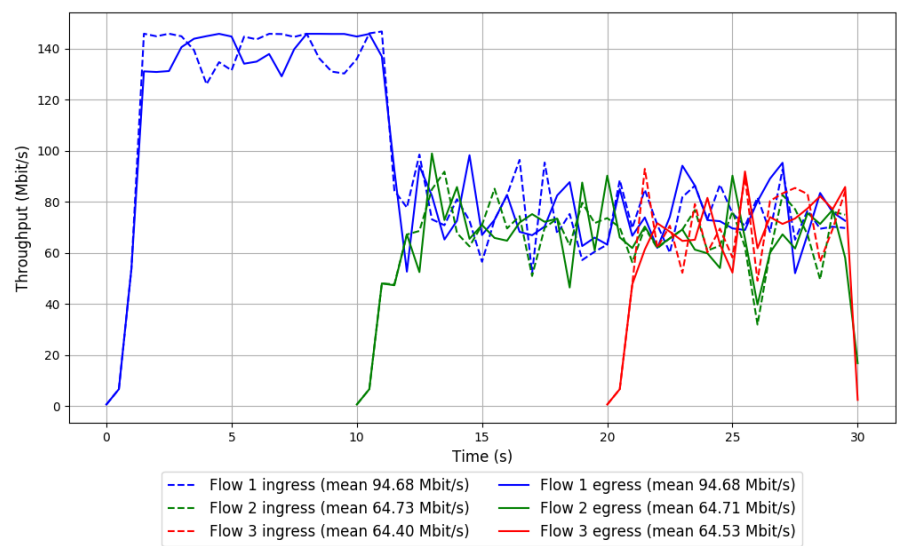


Run 7: Statistics of TCP BBR

Start at: 2017-09-08 03:49:47
End at: 2017-09-08 03:50:17
Local clock offset: 0.254 ms
Remote clock offset: -7.383 ms

Below is generated by plot.py at 2017-09-08 06:14:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.80 Mbit/s
95th percentile per-packet one-way delay: 93.129 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 93.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 87.830 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 87.475 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

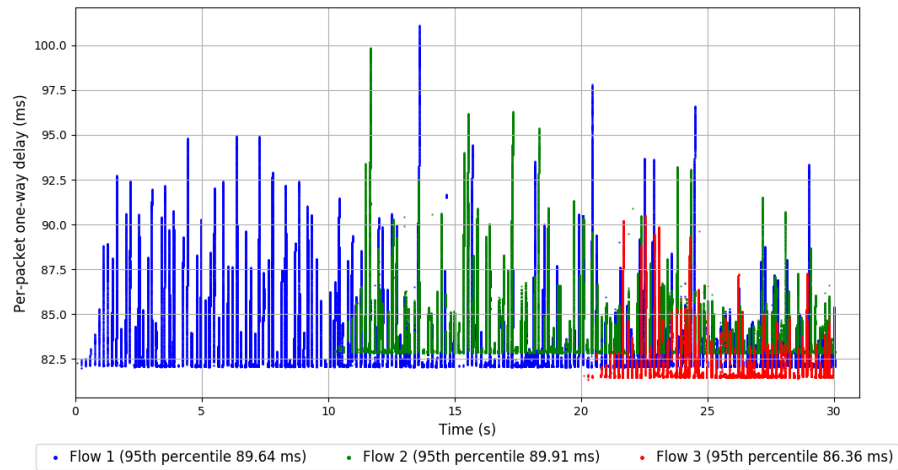
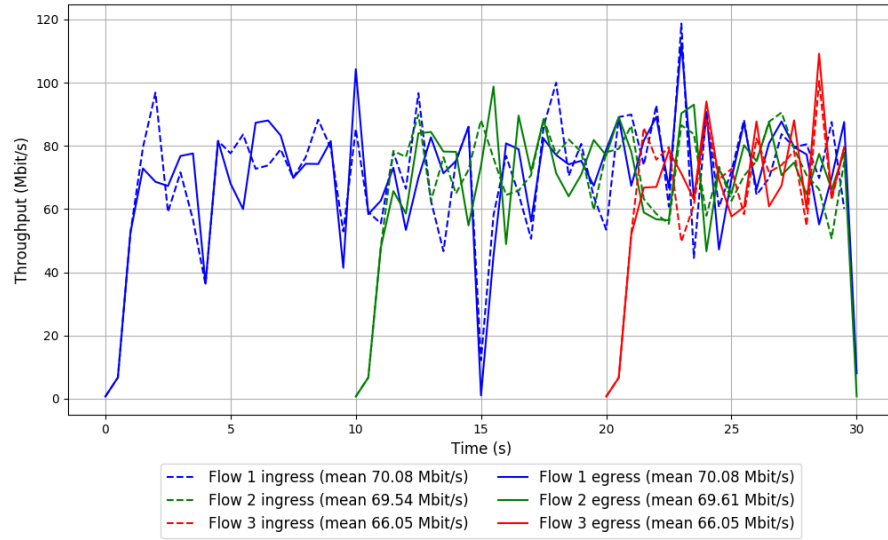


Run 8: Statistics of TCP BBR

Start at: 2017-09-08 04:10:27
End at: 2017-09-08 04:10:57
Local clock offset: 0.255 ms
Remote clock offset: -7.609 ms

Below is generated by plot.py at 2017-09-08 06:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.19 Mbit/s
95th percentile per-packet one-way delay: 89.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.08 Mbit/s
95th percentile per-packet one-way delay: 89.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 89.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 86.363 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

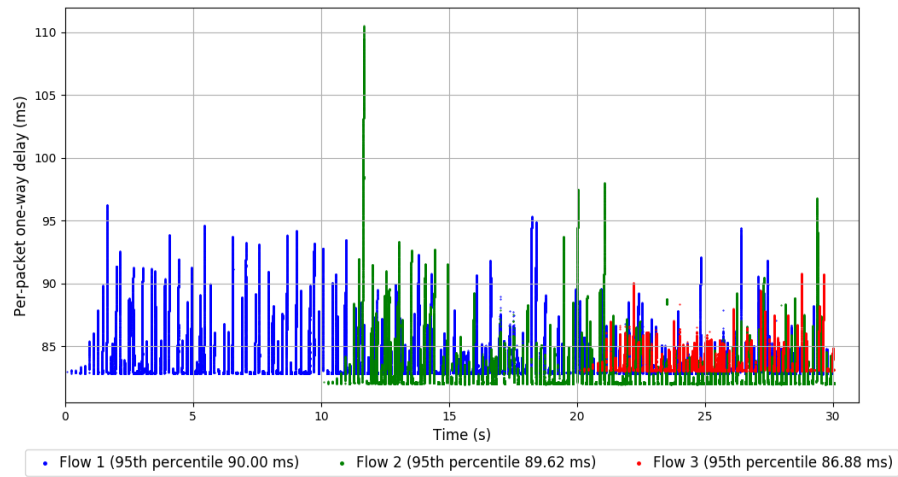
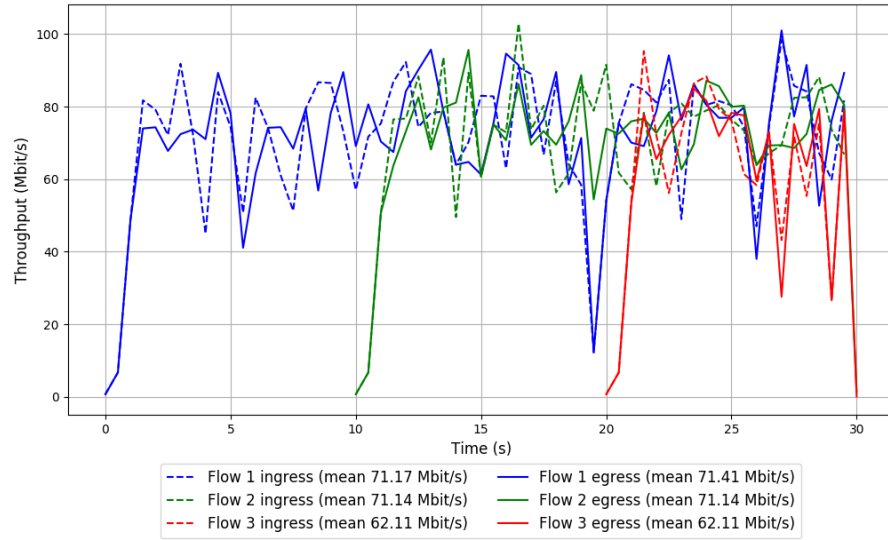


Run 9: Statistics of TCP BBR

Start at: 2017-09-08 04:31:47
End at: 2017-09-08 04:32:17
Local clock offset: 0.198 ms
Remote clock offset: -7.842 ms

Below is generated by plot.py at 2017-09-08 06:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.16 Mbit/s
95th percentile per-packet one-way delay: 89.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.41 Mbit/s
95th percentile per-packet one-way delay: 89.995 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.14 Mbit/s
95th percentile per-packet one-way delay: 89.624 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 86.884 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

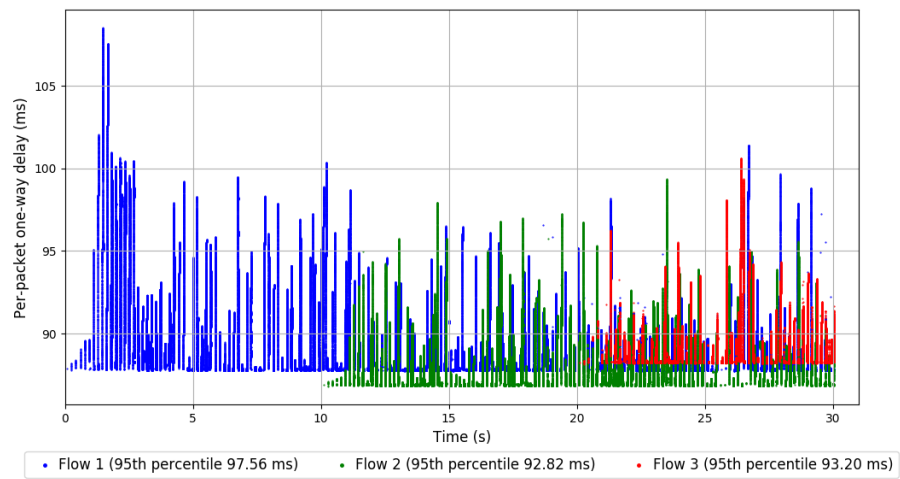
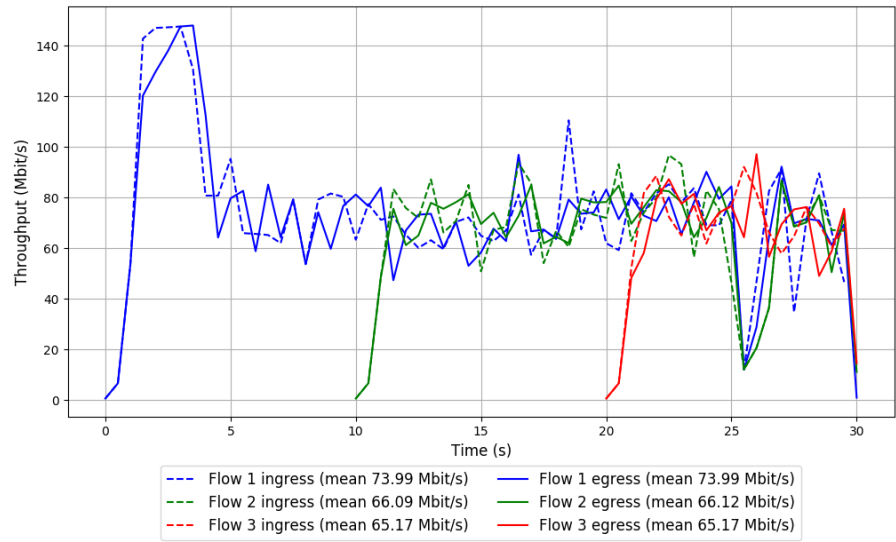


Run 10: Statistics of TCP BBR

Start at: 2017-09-08 04:52:25
End at: 2017-09-08 04:52:55
Local clock offset: 0.171 ms
Remote clock offset: -2.639 ms

Below is generated by plot.py at 2017-09-08 06:15:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.62 Mbit/s
95th percentile per-packet one-way delay: 95.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 97.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 92.818 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 93.205 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

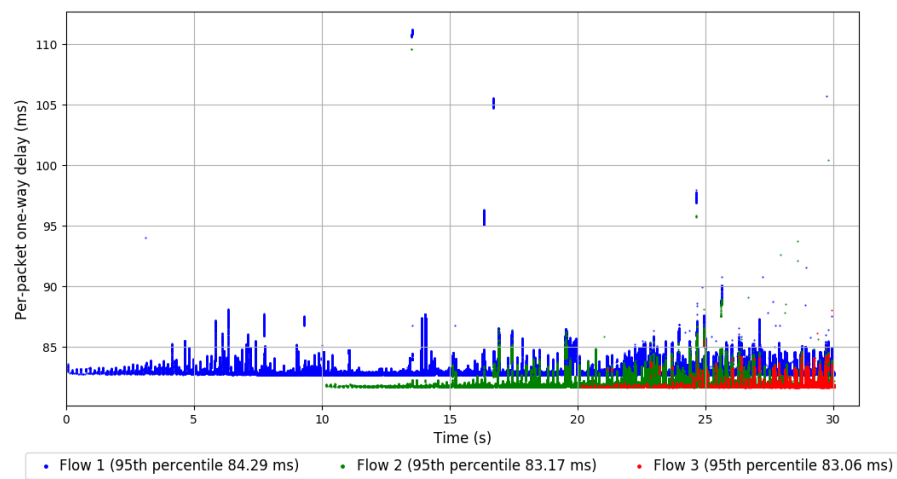
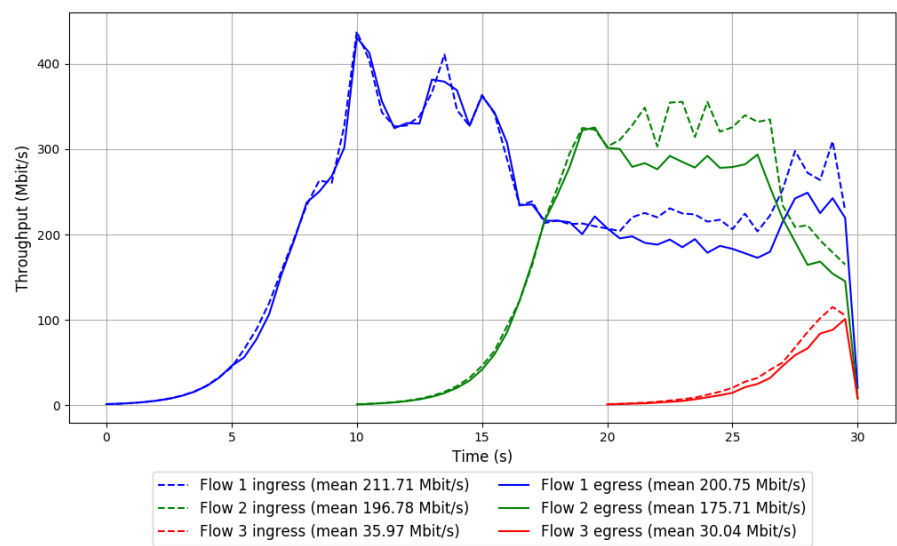


Run 1: Statistics of CalibratedKoho

Start at: 2017-09-08 01:26:02
End at: 2017-09-08 01:26:32
Local clock offset: 0.03 ms
Remote clock offset: -7.713 ms

Below is generated by plot.py at 2017-09-08 06:15:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.20 Mbit/s
95th percentile per-packet one-way delay: 83.995 ms
Loss rate: 7.60%
-- Flow 1:
Average throughput: 200.75 Mbit/s
95th percentile per-packet one-way delay: 84.291 ms
Loss rate: 5.18%
-- Flow 2:
Average throughput: 175.71 Mbit/s
95th percentile per-packet one-way delay: 83.165 ms
Loss rate: 10.71%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 83.064 ms
Loss rate: 16.54%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-09-08 01:47:06

End at: 2017-09-08 01:47:36

Local clock offset: 0.082 ms

Remote clock offset: -3.31 ms

Below is generated by plot.py at 2017-09-08 06:15:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.25 Mbit/s

95th percentile per-packet one-way delay: 87.314 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 3240.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.52 Mbit/s

95th percentile per-packet one-way delay: 87.503 ms

Loss rate: 0.00%

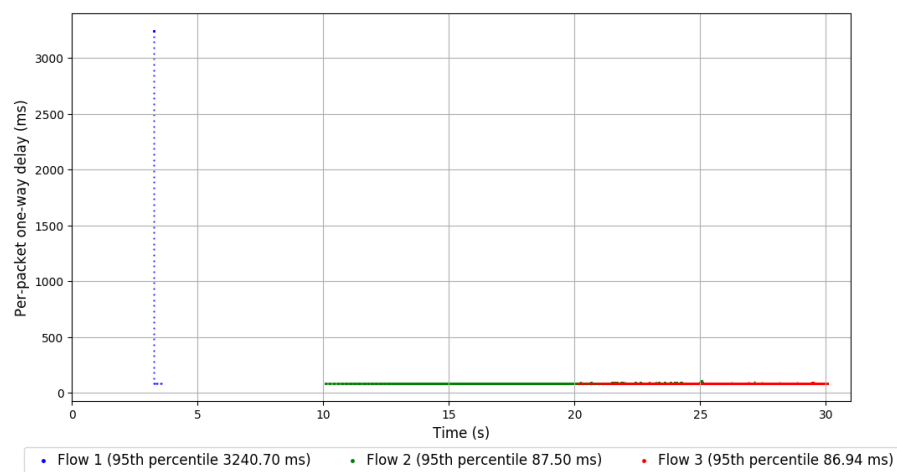
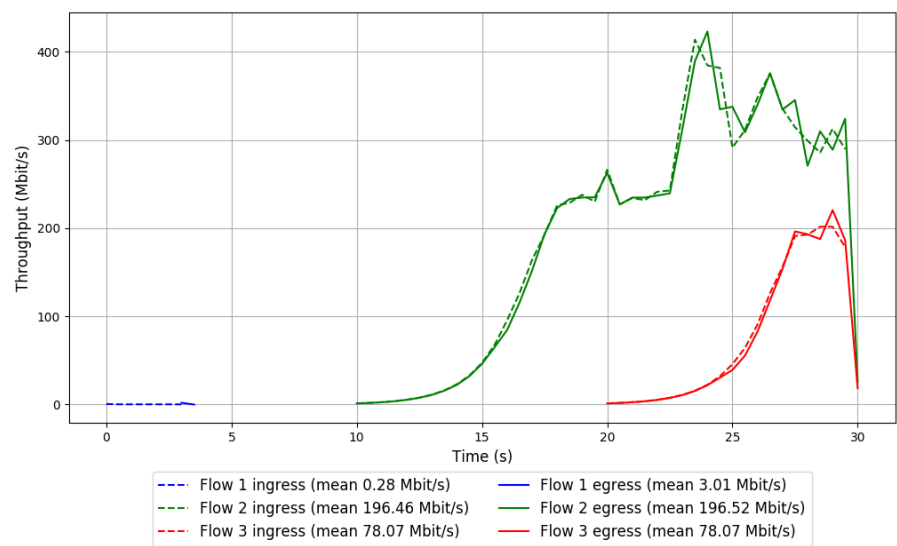
-- Flow 3:

Average throughput: 78.07 Mbit/s

95th percentile per-packet one-way delay: 86.941 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

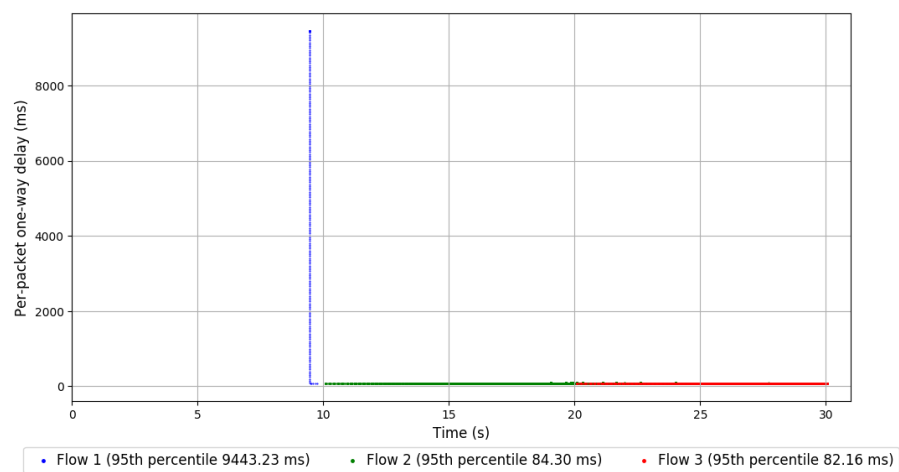
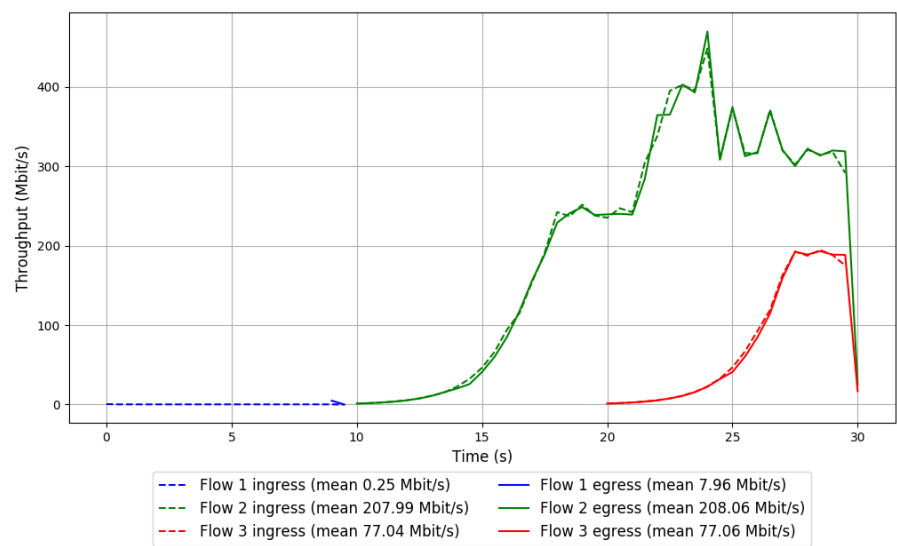
Start at: 2017-09-08 02:07:40

End at: 2017-09-08 02:08:10

Local clock offset: 0.111 ms

Remote clock offset: -8.212 ms

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

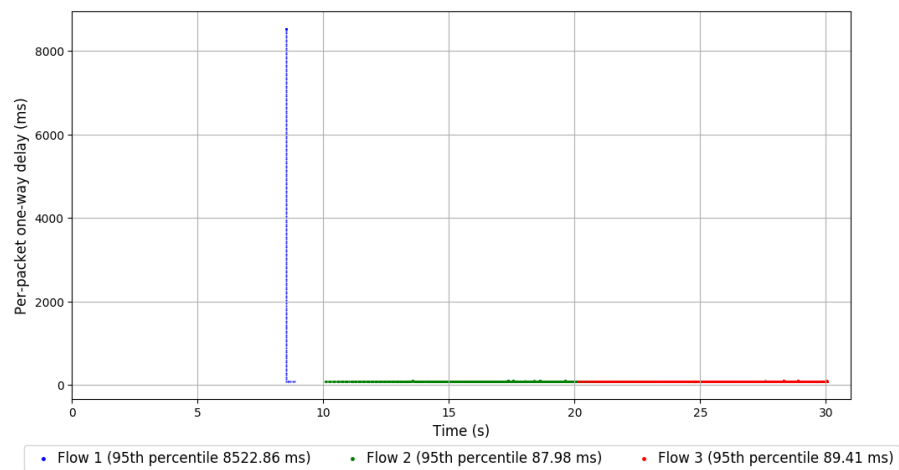
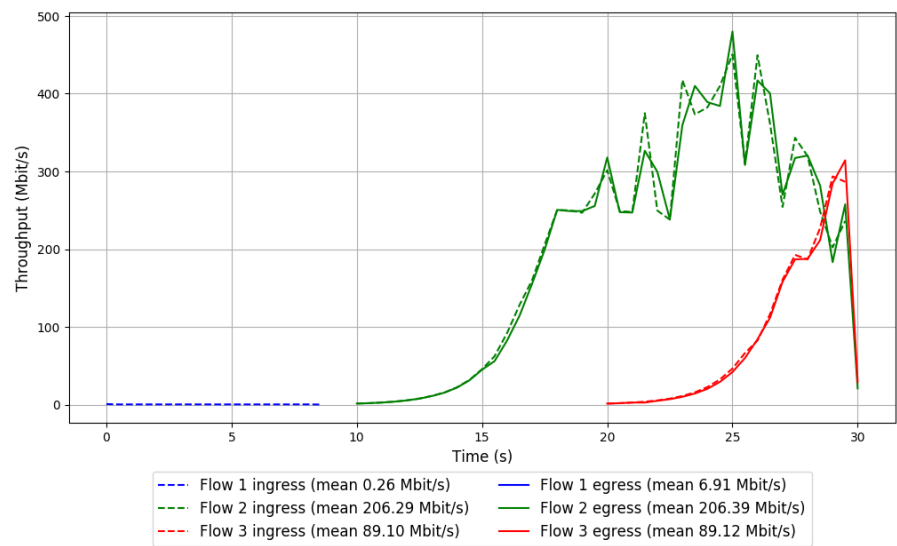
Start at: 2017-09-08 02:28:31

End at: 2017-09-08 02:29:01

Local clock offset: 0.152 ms

Remote clock offset: -3.58 ms

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

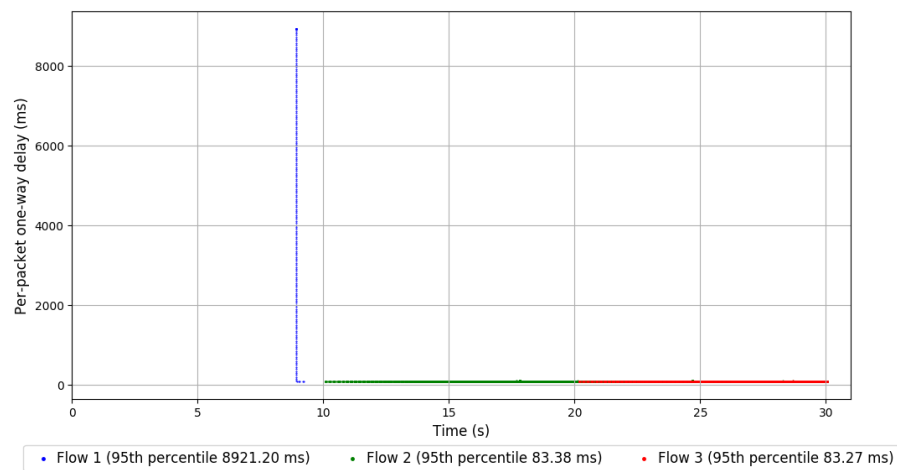
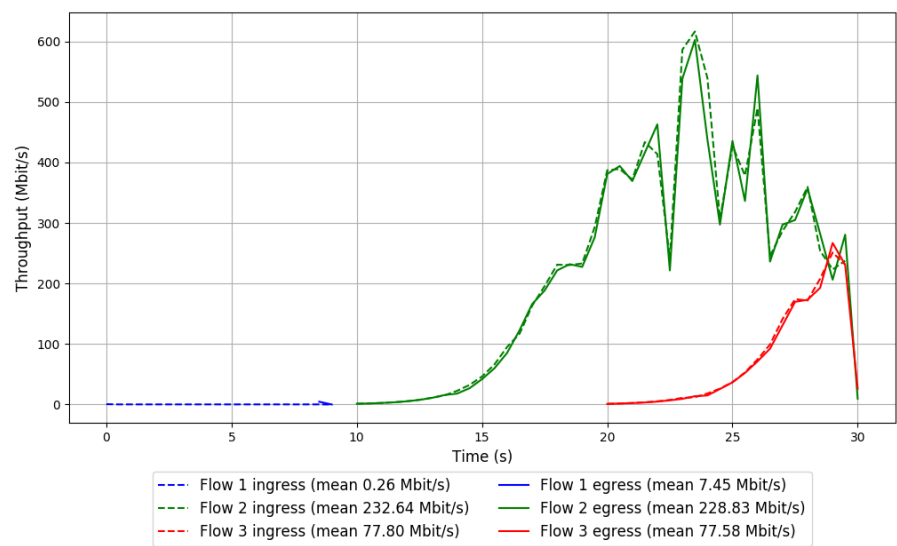
Start at: 2017-09-08 02:49:24

End at: 2017-09-08 02:49:54

Local clock offset: 0.119 ms

Remote clock offset: -8.115 ms

Run 5: Report of CalibratedKoho — Data Link

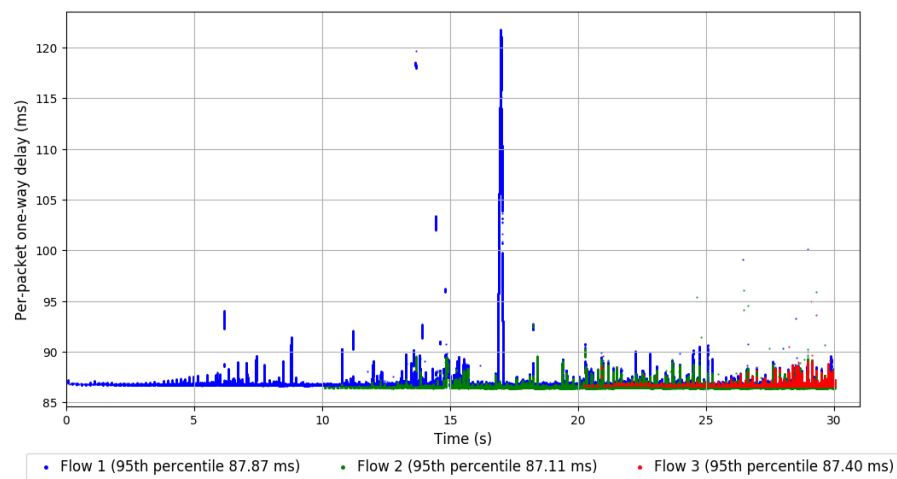
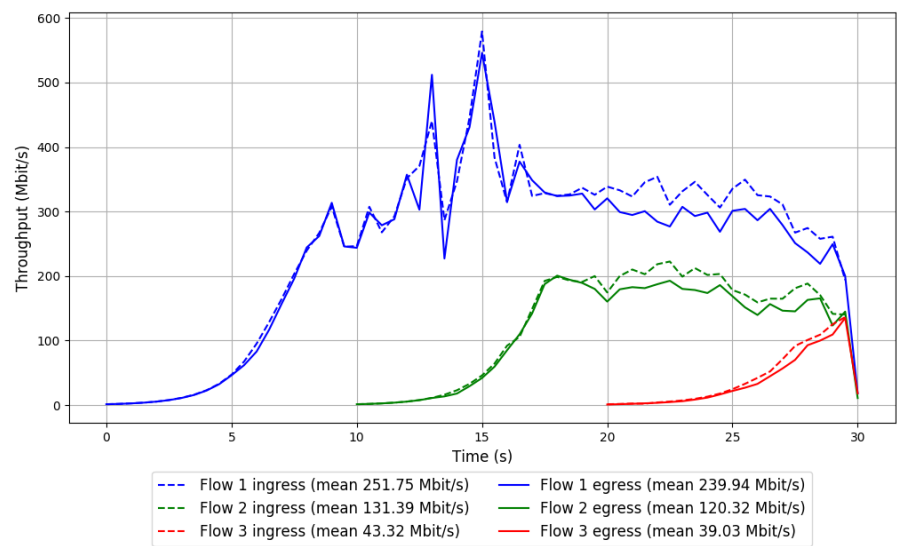


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-08 03:10:29
End at: 2017-09-08 03:10:59
Local clock offset: 0.244 ms
Remote clock offset: -3.021 ms

Below is generated by plot.py at 2017-09-08 06:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.85 Mbit/s
95th percentile per-packet one-way delay: 87.637 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 239.94 Mbit/s
95th percentile per-packet one-way delay: 87.873 ms
Loss rate: 4.70%
-- Flow 2:
Average throughput: 120.32 Mbit/s
95th percentile per-packet one-way delay: 87.105 ms
Loss rate: 8.42%
-- Flow 3:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 87.401 ms
Loss rate: 10.00%

Run 6: Report of CalibratedKoho — Data Link

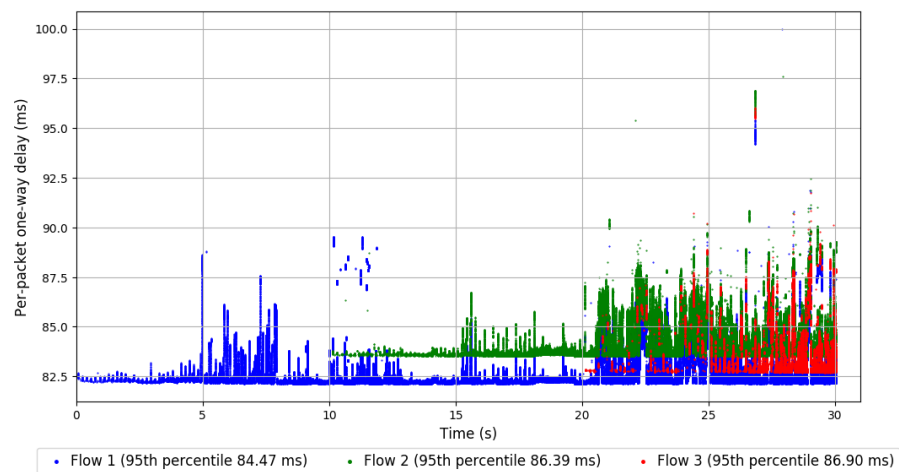
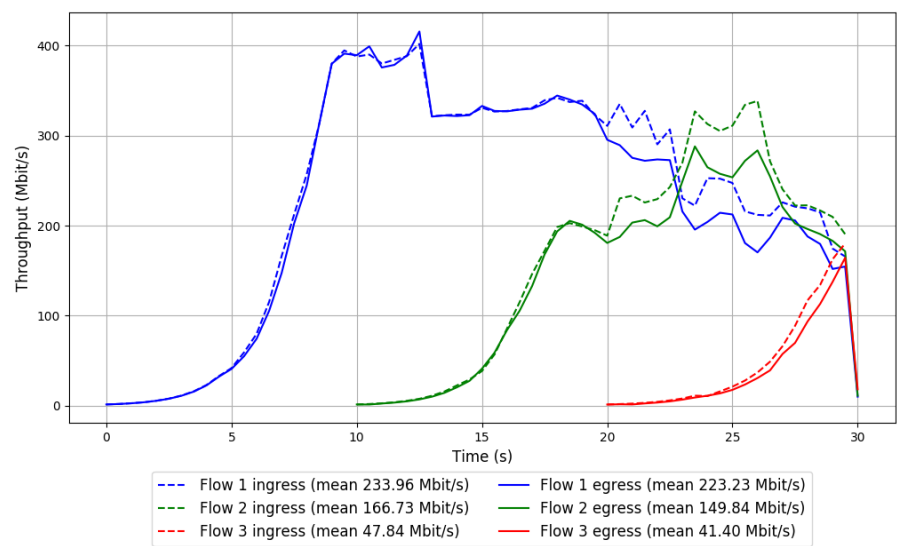


Run 7: Statistics of CalibratedKoho

Start at: 2017-09-08 03:31:39
End at: 2017-09-08 03:32:09
Local clock offset: 0.236 ms
Remote clock offset: -7.463 ms

Below is generated by plot.py at 2017-09-08 06:17:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.36 Mbit/s
95th percentile per-packet one-way delay: 85.595 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 223.23 Mbit/s
95th percentile per-packet one-way delay: 84.472 ms
Loss rate: 4.59%
-- Flow 2:
Average throughput: 149.84 Mbit/s
95th percentile per-packet one-way delay: 86.385 ms
Loss rate: 10.16%
-- Flow 3:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 86.900 ms
Loss rate: 13.51%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

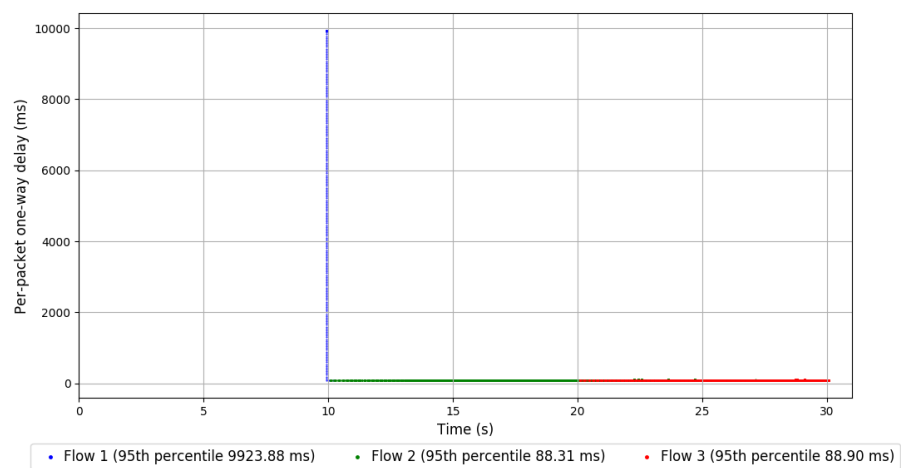
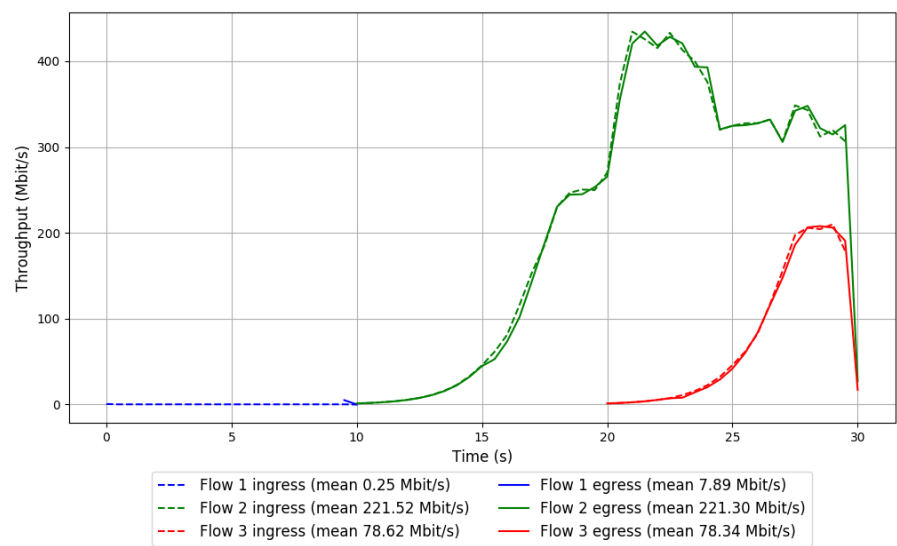
Start at: 2017-09-08 03:52:40

End at: 2017-09-08 03:53:10

Local clock offset: 0.187 ms

Remote clock offset: -2.463 ms

Run 8: Report of CalibratedKoho — Data Link

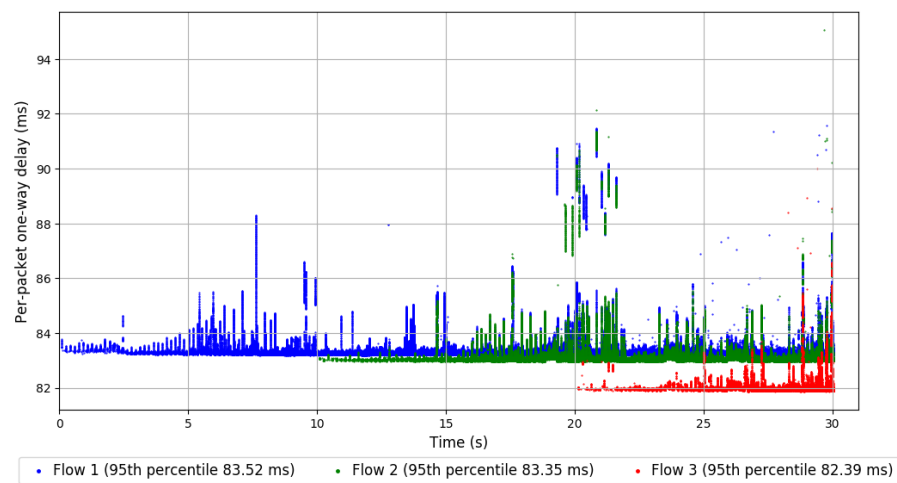
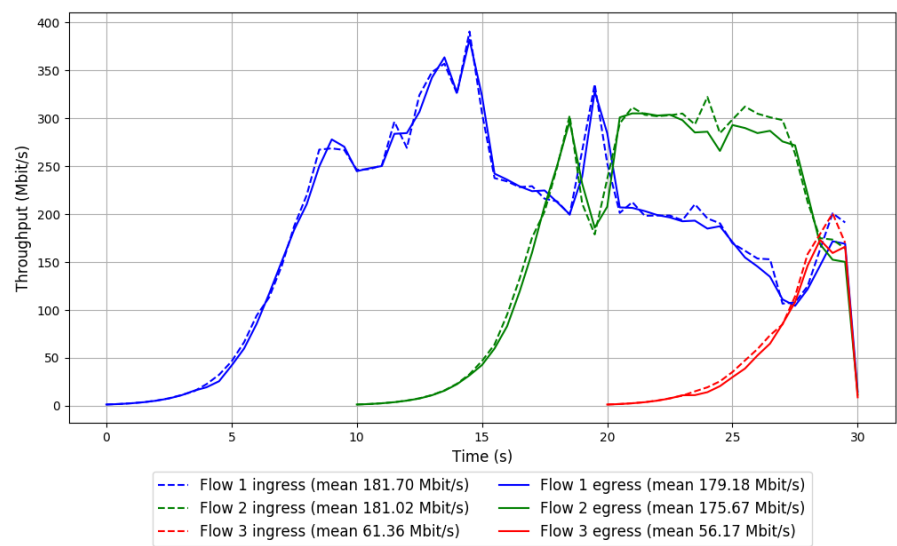


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-08 04:13:20
End at: 2017-09-08 04:13:50
Local clock offset: 0.237 ms
Remote clock offset: -7.487 ms

Below is generated by plot.py at 2017-09-08 06:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.76 Mbit/s
95th percentile per-packet one-way delay: 83.480 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 179.18 Mbit/s
95th percentile per-packet one-way delay: 83.517 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 175.67 Mbit/s
95th percentile per-packet one-way delay: 83.351 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 82.391 ms
Loss rate: 8.53%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

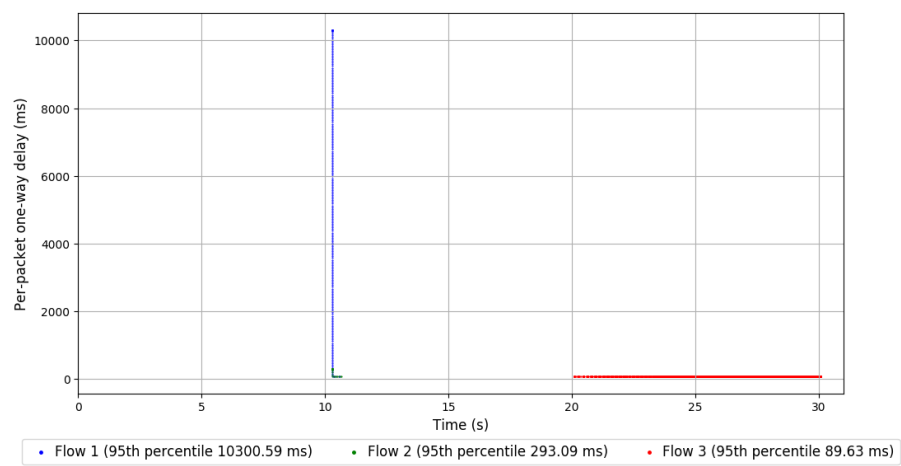
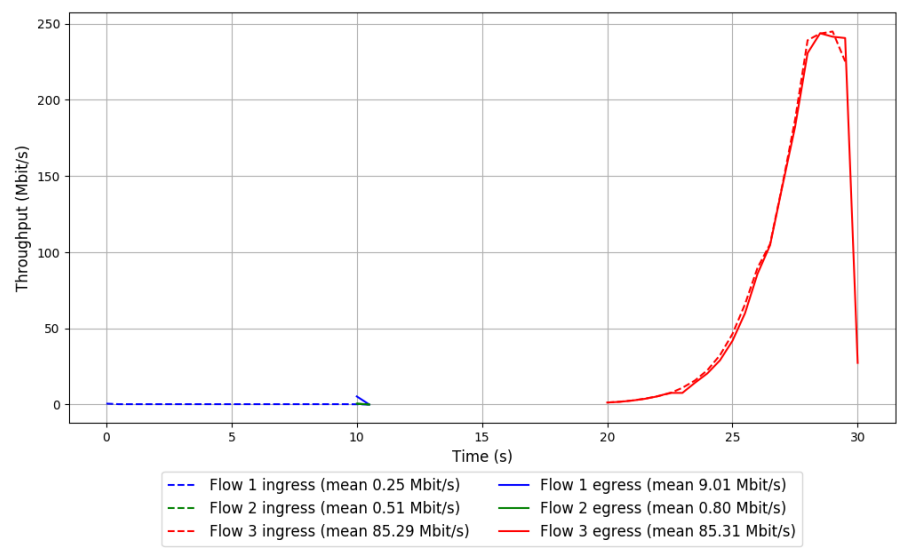
Start at: 2017-09-08 04:34:40

End at: 2017-09-08 04:35:10

Local clock offset: 0.156 ms

Remote clock offset: -2.707 ms

Run 10: Report of CalibratedKoho — Data Link

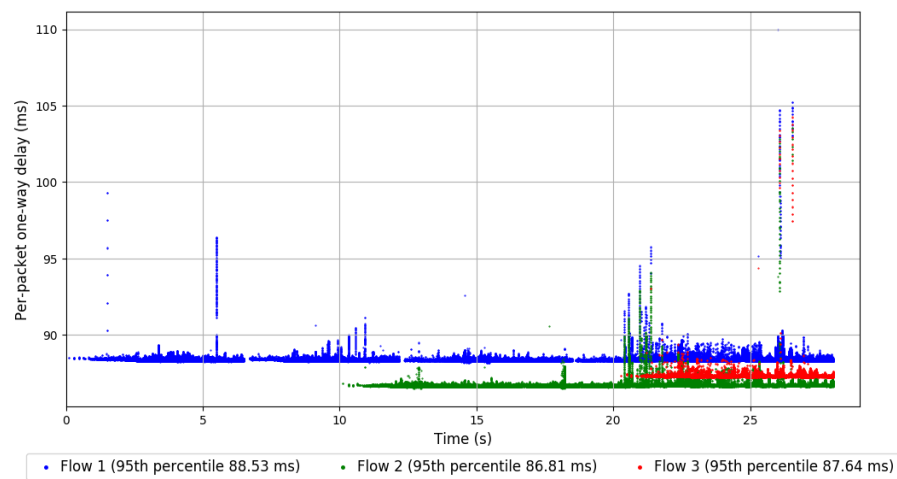
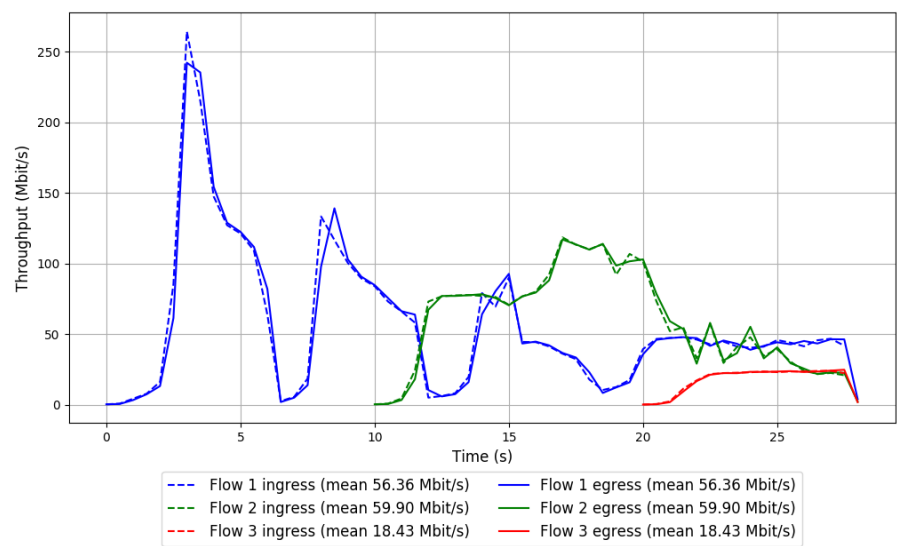


Run 1: Statistics of Copa

Start at: 2017-09-08 01:24:37
End at: 2017-09-08 01:25:07
Local clock offset: -0.019 ms
Remote clock offset: -2.698 ms

Below is generated by plot.py at 2017-09-08 06:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.89 Mbit/s
95th percentile per-packet one-way delay: 88.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 88.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 86.811 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 87.642 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

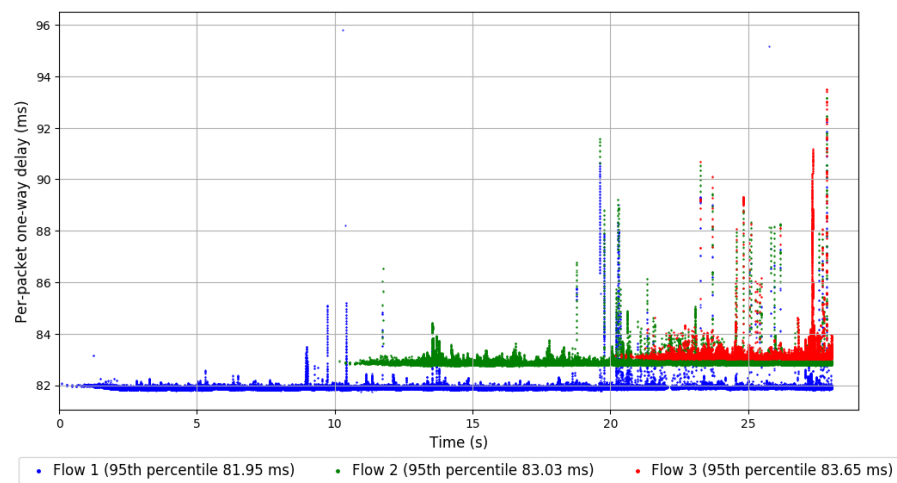
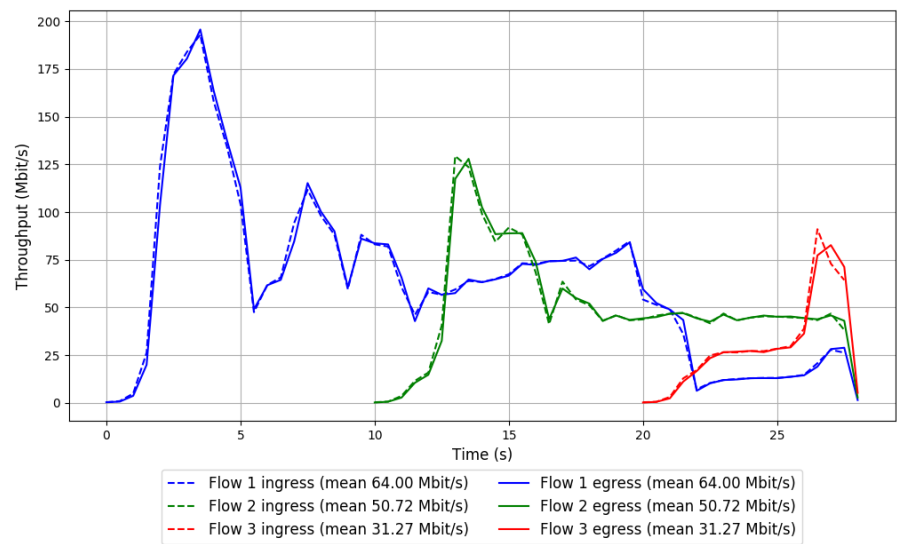


Run 2: Statistics of Copa

Start at: 2017-09-08 01:45:38
End at: 2017-09-08 01:46:08
Local clock offset: 0.094 ms
Remote clock offset: -7.982 ms

Below is generated by plot.py at 2017-09-08 06:18:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.17 Mbit/s
95th percentile per-packet one-way delay: 83.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 81.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 83.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 83.649 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

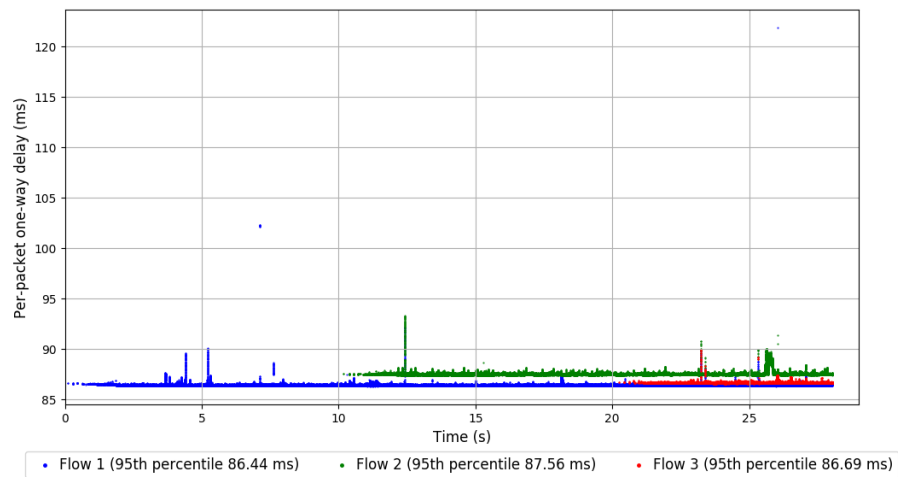
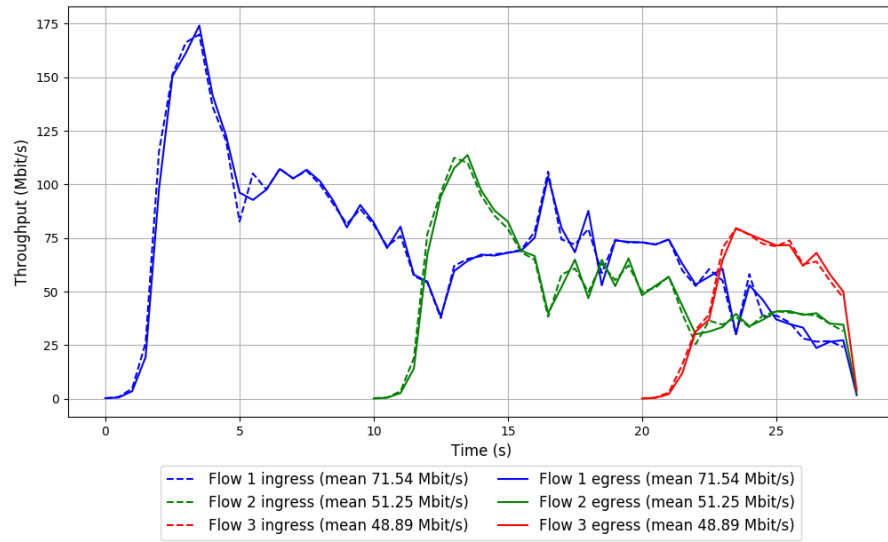


Run 3: Statistics of Copa

Start at: 2017-09-08 02:06:13
End at: 2017-09-08 02:06:43
Local clock offset: 0.133 ms
Remote clock offset: -3.493 ms

Below is generated by plot.py at 2017-09-08 06:18:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.96 Mbit/s
95th percentile per-packet one-way delay: 87.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 87.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

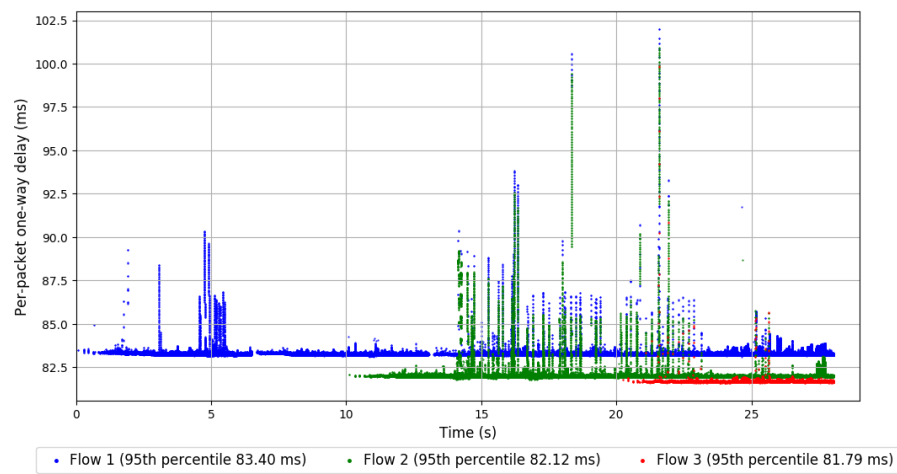
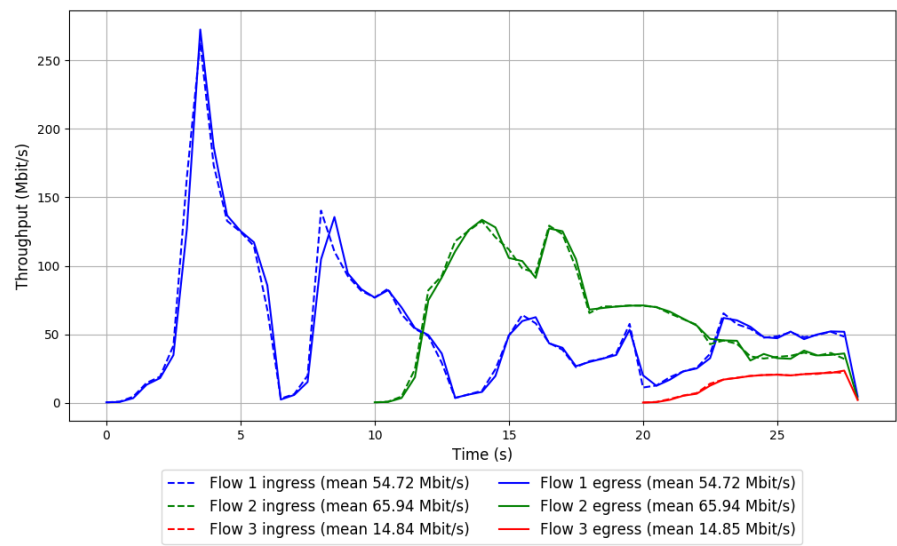


Run 4: Statistics of Copa

Start at: 2017-09-08 02:27:05
End at: 2017-09-08 02:27:35
Local clock offset: 0.139 ms
Remote clock offset: -8.381 ms

Below is generated by plot.py at 2017-09-08 06:18:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.15 Mbit/s
95th percentile per-packet one-way delay: 83.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 83.402 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 82.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 81.786 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link

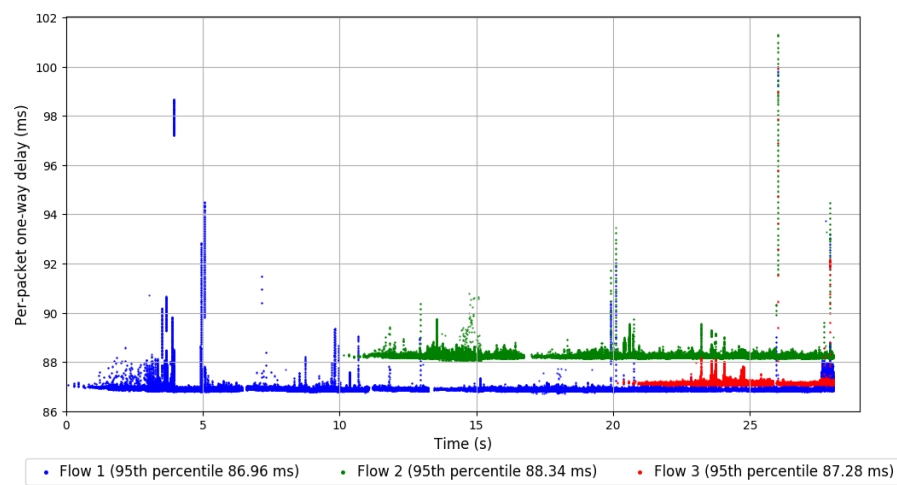
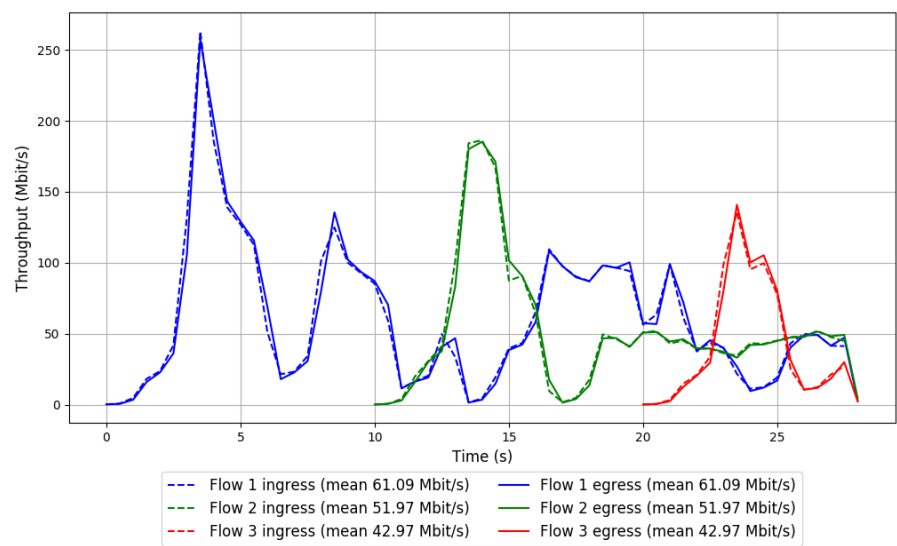


Run 5: Statistics of Copa

Start at: 2017-09-08 02:47:58
End at: 2017-09-08 02:48:28
Local clock offset: 0.137 ms
Remote clock offset: -3.153 ms

Below is generated by plot.py at 2017-09-08 06:18:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.48 Mbit/s
95th percentile per-packet one-way delay: 88.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 86.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 88.342 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 87.275 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

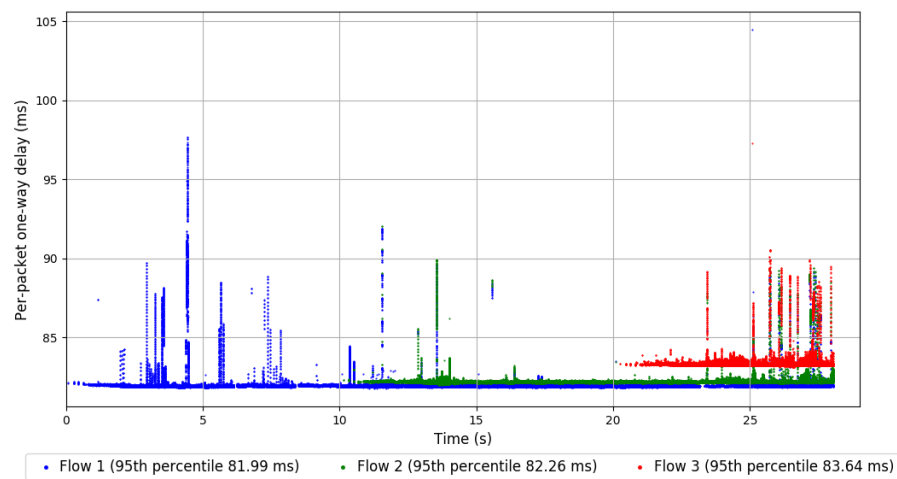
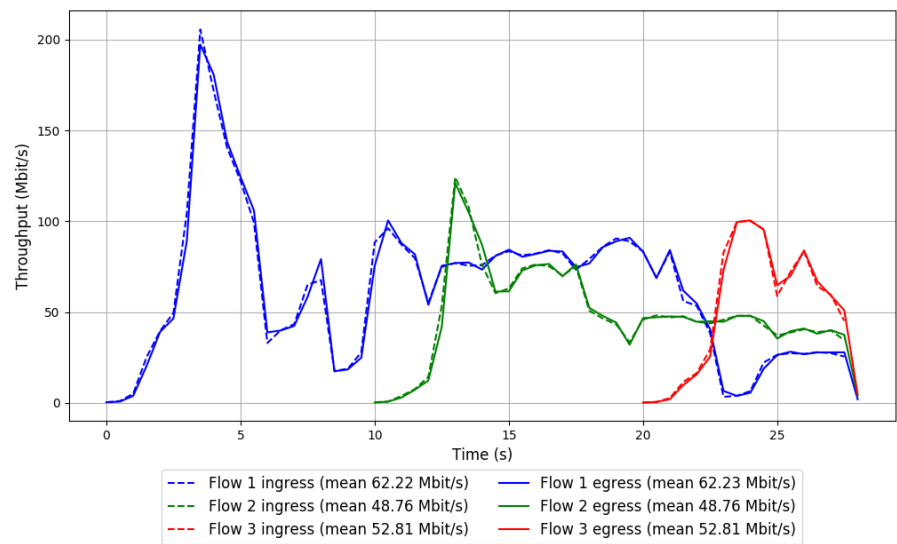


Run 6: Statistics of Copa

Start at: 2017-09-08 03:09:02
End at: 2017-09-08 03:09:32
Local clock offset: 0.269 ms
Remote clock offset: -7.819 ms

Below is generated by plot.py at 2017-09-08 06:19:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.13 Mbit/s
95th percentile per-packet one-way delay: 83.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 81.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 82.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: 83.637 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

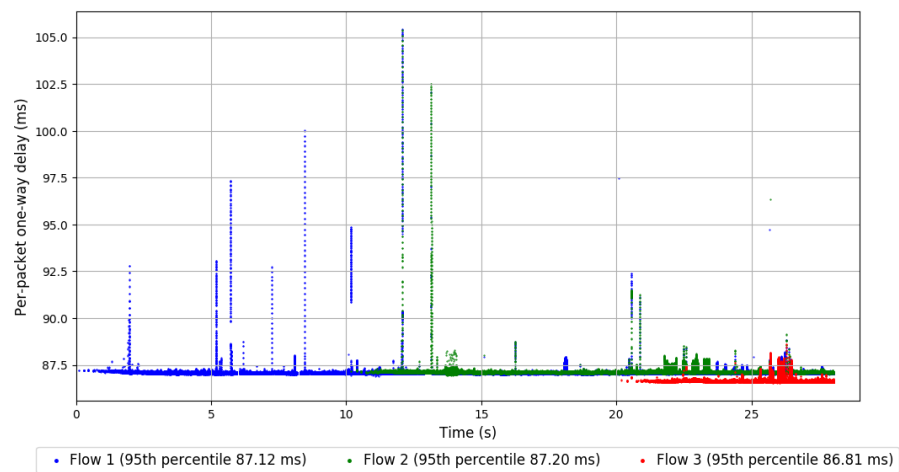
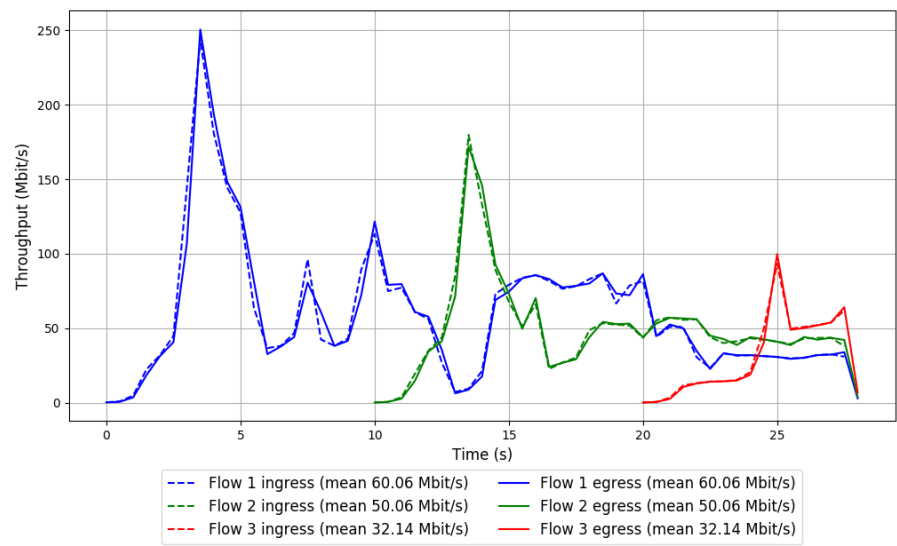


Run 7: Statistics of Copa

Start at: 2017-09-08 03:30:02
End at: 2017-09-08 03:30:32
Local clock offset: 0.239 ms
Remote clock offset: -2.615 ms

Below is generated by plot.py at 2017-09-08 06:19:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.09 Mbit/s
95th percentile per-packet one-way delay: 87.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 87.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 87.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

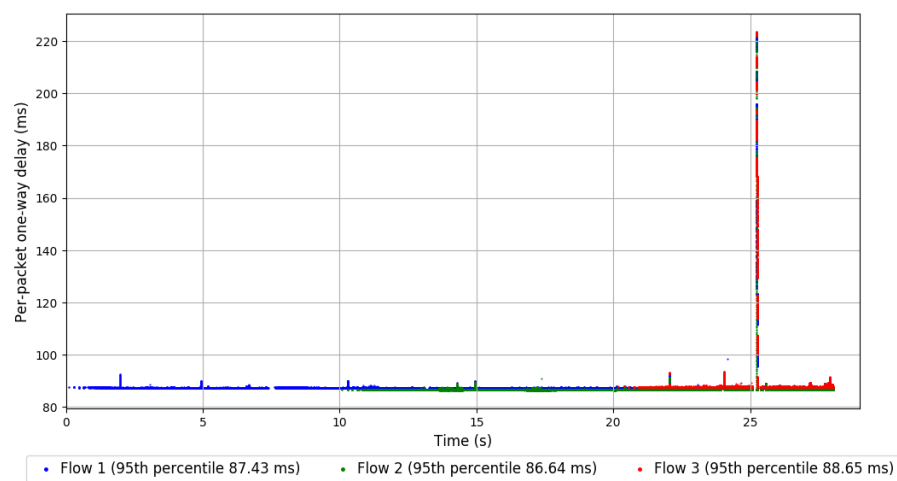
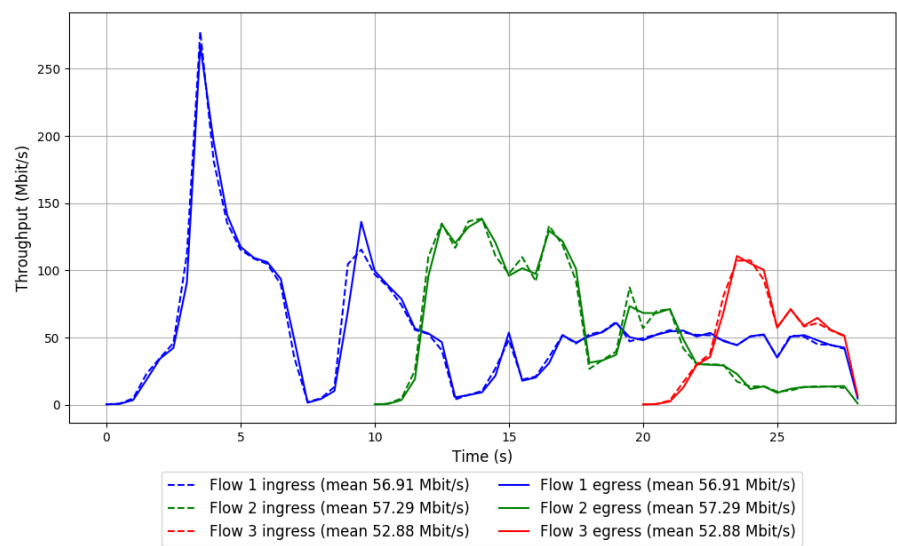


Run 8: Statistics of Copa

Start at: 2017-09-08 03:51:14
End at: 2017-09-08 03:51:44
Local clock offset: 0.196 ms
Remote clock offset: -2.499 ms

Below is generated by plot.py at 2017-09-08 06:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.57 Mbit/s
95th percentile per-packet one-way delay: 87.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 87.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 86.644 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 88.650 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

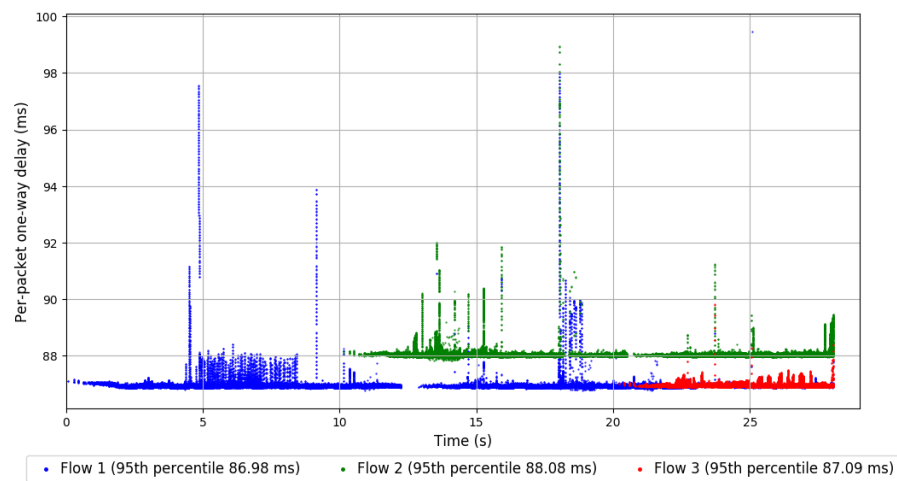
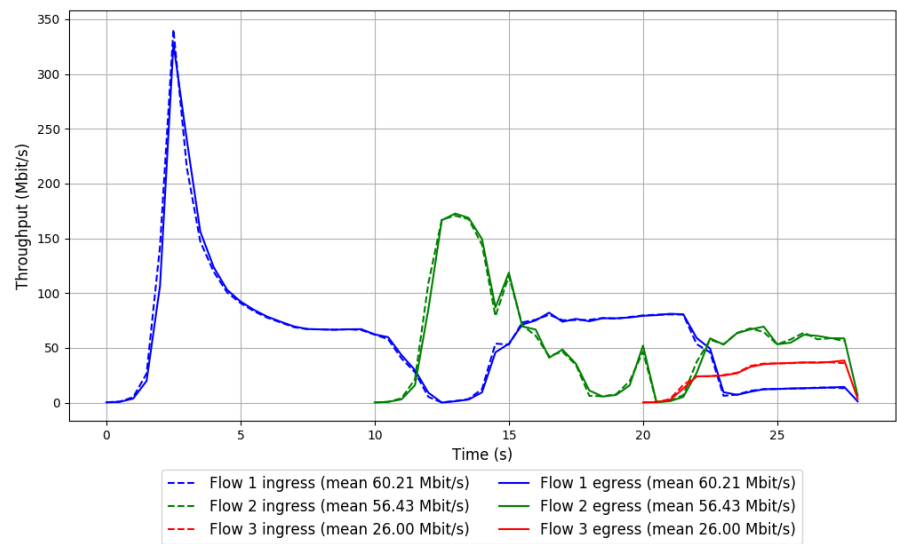


Run 9: Statistics of Copa

Start at: 2017-09-08 04:11:53
End at: 2017-09-08 04:12:23
Local clock offset: 0.231 ms
Remote clock offset: -2.476 ms

Below is generated by plot.py at 2017-09-08 06:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.61 Mbit/s
95th percentile per-packet one-way delay: 88.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.21 Mbit/s
95th percentile per-packet one-way delay: 86.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 88.085 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 87.087 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-09-08 04:33:14

End at: 2017-09-08 04:33:44

Local clock offset: 0.163 ms

Remote clock offset: -7.67 ms

Below is generated by plot.py at 2017-09-08 06:19:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.17 Mbit/s

95th percentile per-packet one-way delay: 82.855 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.07 Mbit/s

95th percentile per-packet one-way delay: 82.873 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.28 Mbit/s

95th percentile per-packet one-way delay: 81.792 ms

Loss rate: 0.00%

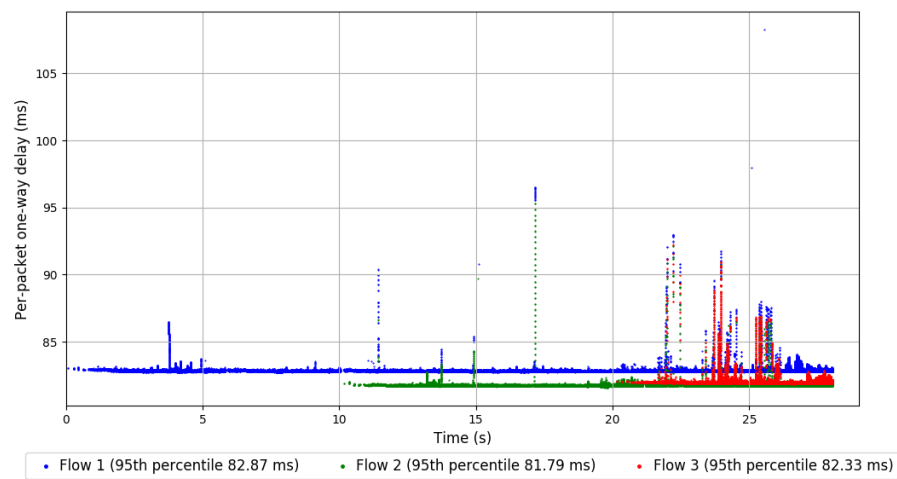
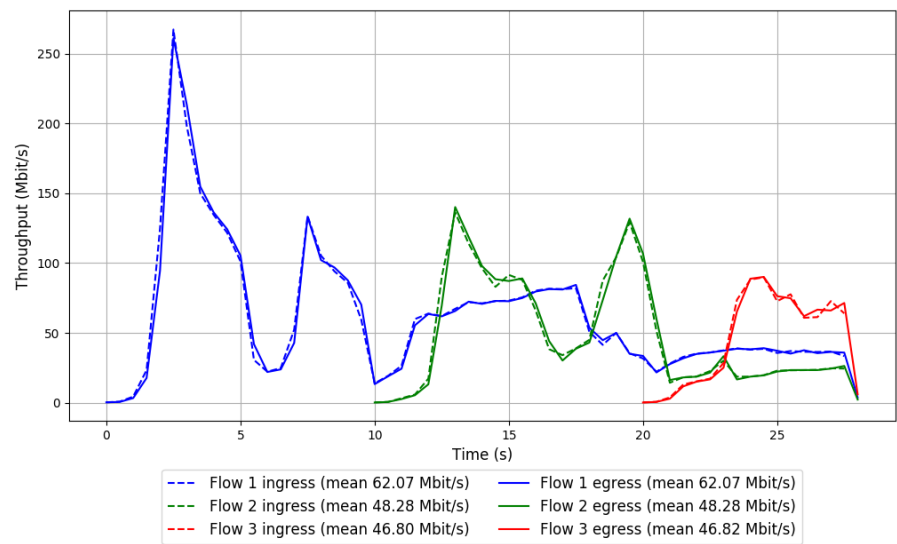
-- Flow 3:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 82.329 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

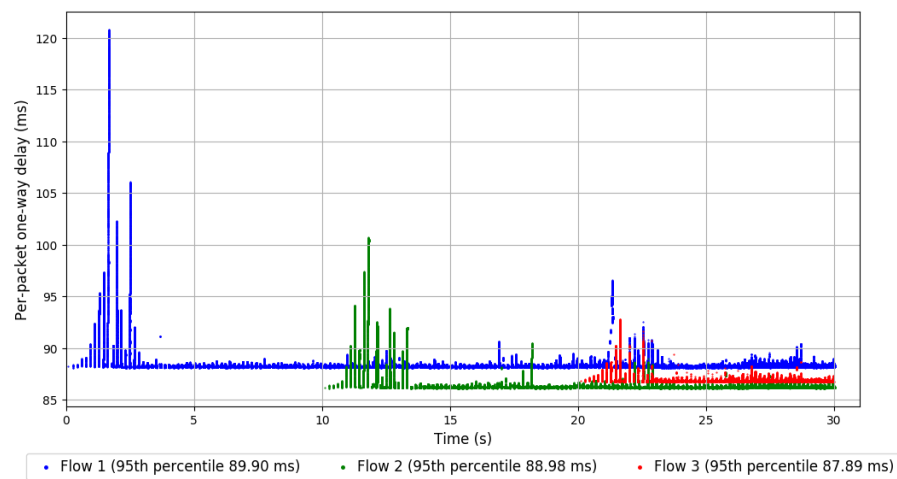
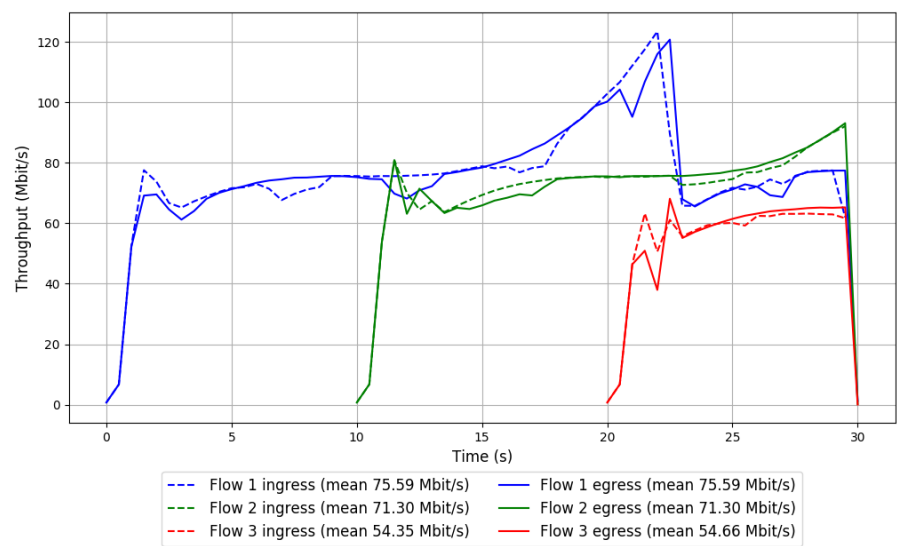


Run 1: Statistics of TCP Cubic

Start at: 2017-09-08 01:33:10
End at: 2017-09-08 01:33:40
Local clock offset: 0.078 ms
Remote clock offset: -2.934 ms

Below is generated by plot.py at 2017-09-08 06:19:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.15 Mbit/s
95th percentile per-packet one-way delay: 89.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 89.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.30 Mbit/s
95th percentile per-packet one-way delay: 88.982 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.66 Mbit/s
95th percentile per-packet one-way delay: 87.892 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

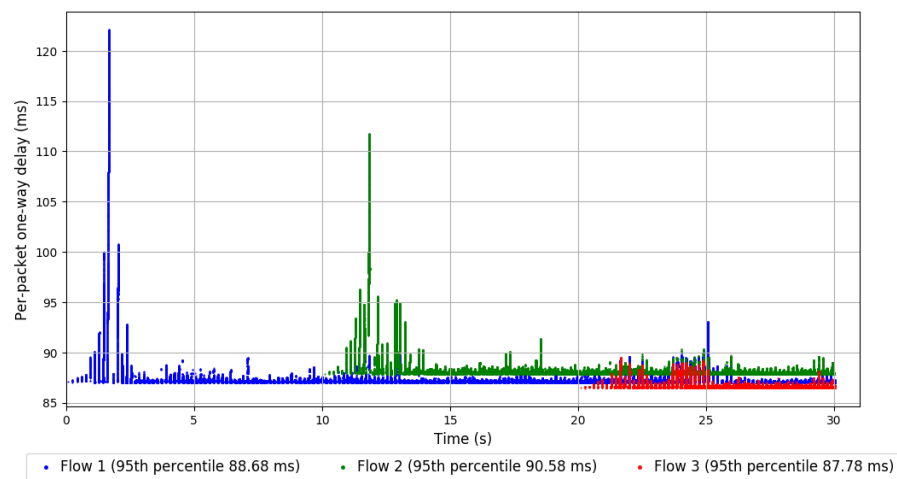
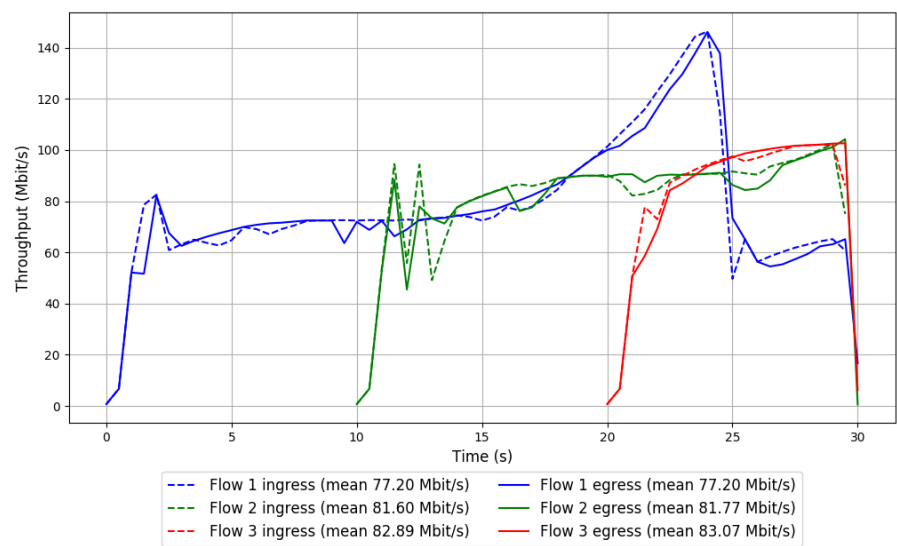


Run 2: Statistics of TCP Cubic

Start at: 2017-09-08 01:53:57
End at: 2017-09-08 01:54:27
Local clock offset: 0.11 ms
Remote clock offset: -3.238 ms

Below is generated by plot.py at 2017-09-08 06:20:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.13 Mbit/s
95th percentile per-packet one-way delay: 88.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 88.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 90.582 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 87.775 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

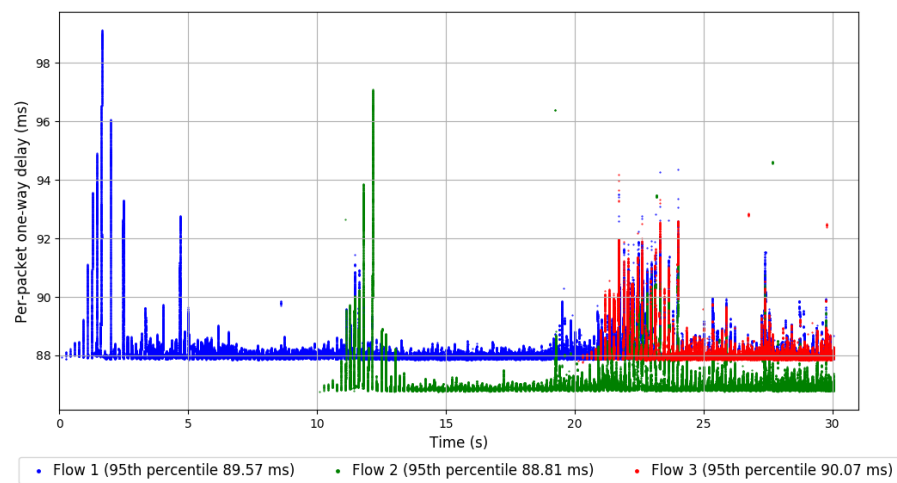
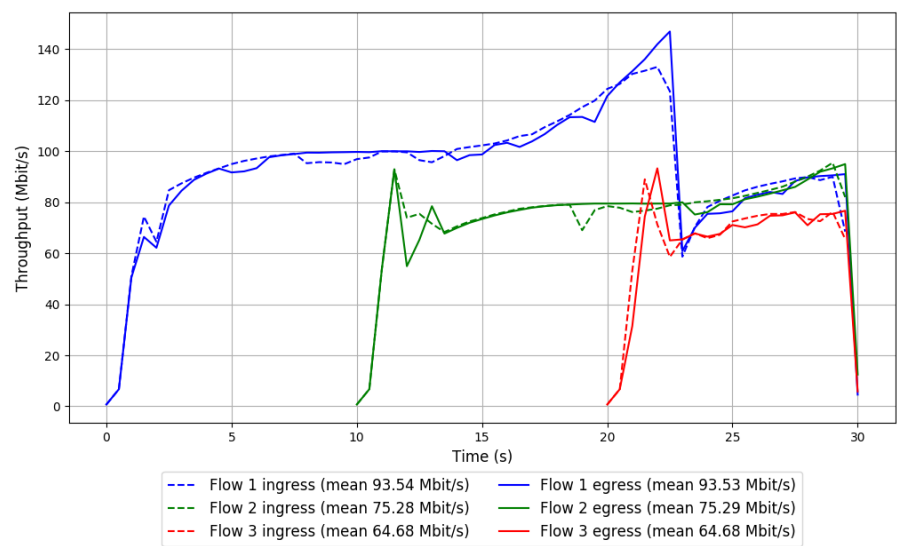


Run 3: Statistics of TCP Cubic

Start at: 2017-09-08 02:14:41
End at: 2017-09-08 02:15:11
Local clock offset: 0.11 ms
Remote clock offset: -3.391 ms

Below is generated by plot.py at 2017-09-08 06:20:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 165.05 Mbit/s
95th percentile per-packet one-way delay: 89.509 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 89.567 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 75.29 Mbit/s
95th percentile per-packet one-way delay: 88.811 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 90.068 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link

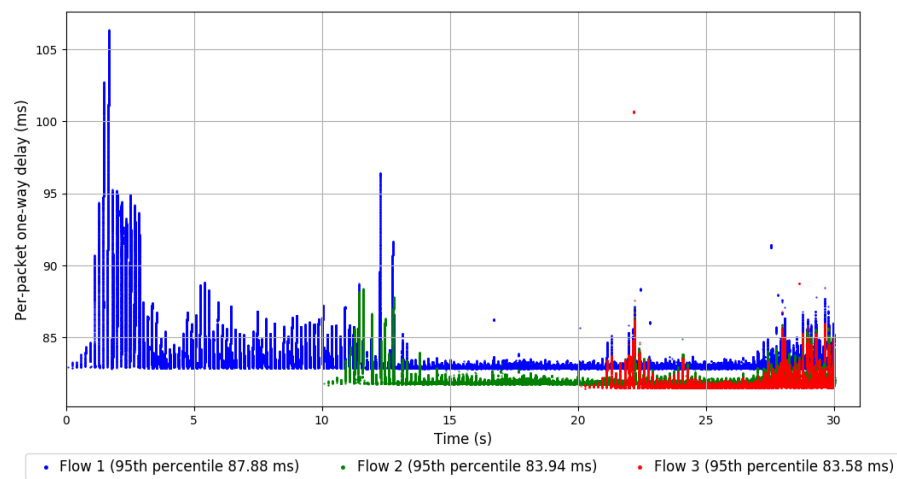
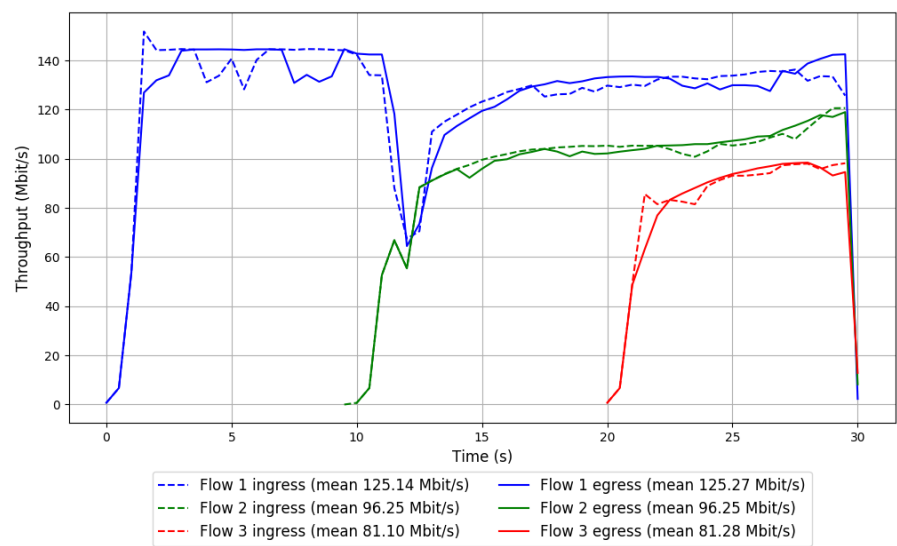


Run 4: Statistics of TCP Cubic

Start at: 2017-09-08 02:35:33
End at: 2017-09-08 02:36:03
Local clock offset: 0.188 ms
Remote clock offset: -8.313 ms

Below is generated by plot.py at 2017-09-08 06:20:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.19 Mbit/s
95th percentile per-packet one-way delay: 86.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.27 Mbit/s
95th percentile per-packet one-way delay: 87.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 83.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.28 Mbit/s
95th percentile per-packet one-way delay: 83.585 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

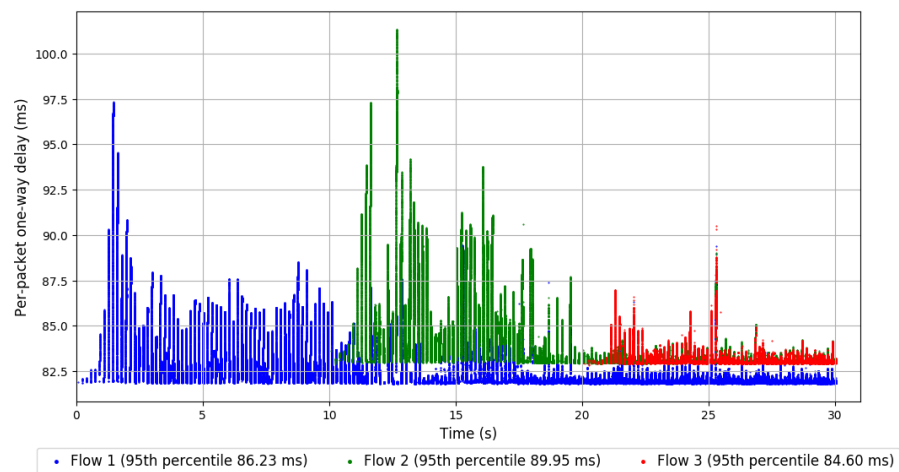
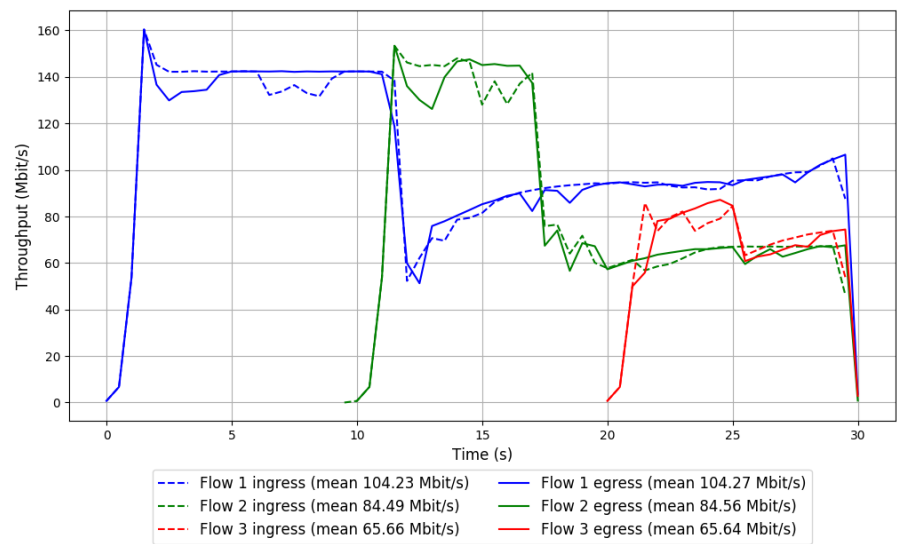


Run 5: Statistics of TCP Cubic

Start at: 2017-09-08 02:56:29
End at: 2017-09-08 02:56:59
Local clock offset: 0.247 ms
Remote clock offset: -7.934 ms

```
# Below is generated by plot.py at 2017-09-08 06:20:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 182.37 Mbit/s
95th percentile per-packet one-way delay: 88.170 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.27 Mbit/s
95th percentile per-packet one-way delay: 86.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 89.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 84.601 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Cubic — Data Link

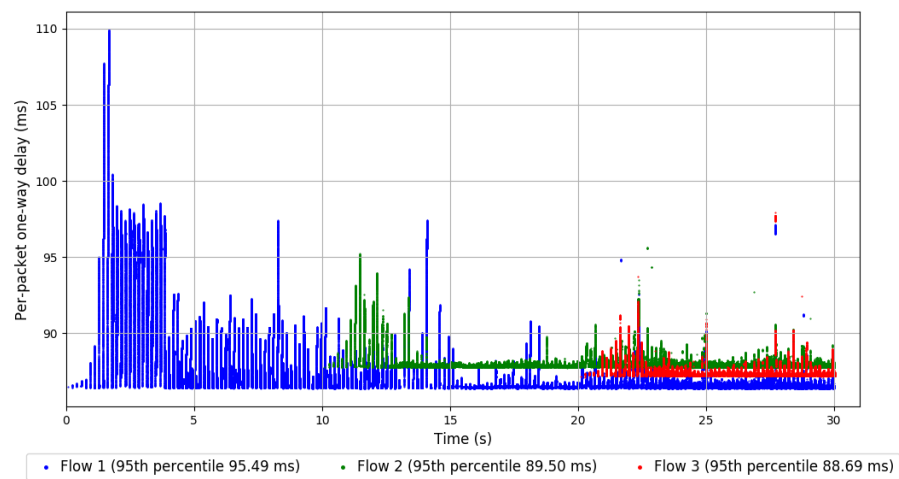
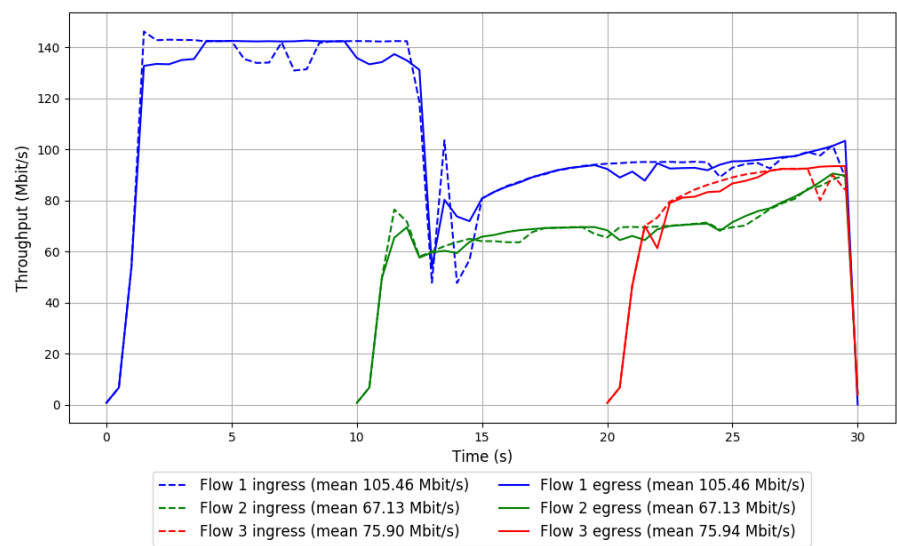


Run 6: Statistics of TCP Cubic

Start at: 2017-09-08 03:17:39
End at: 2017-09-08 03:18:09
Local clock offset: 0.194 ms
Remote clock offset: -2.934 ms

Below is generated by plot.py at 2017-09-08 06:20:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 92.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.46 Mbit/s
95th percentile per-packet one-way delay: 95.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 89.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.94 Mbit/s
95th percentile per-packet one-way delay: 88.686 ms
Loss rate: 0.02%

Run 6: Report of TCP Cubic — Data Link

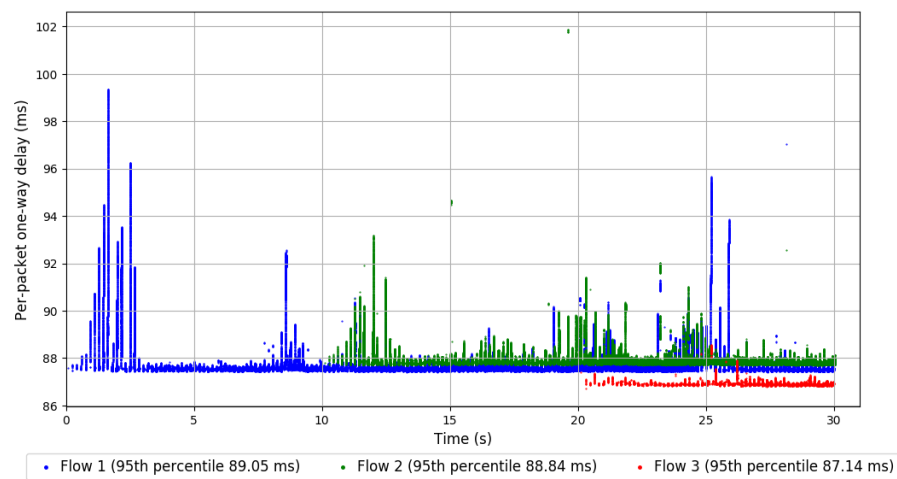
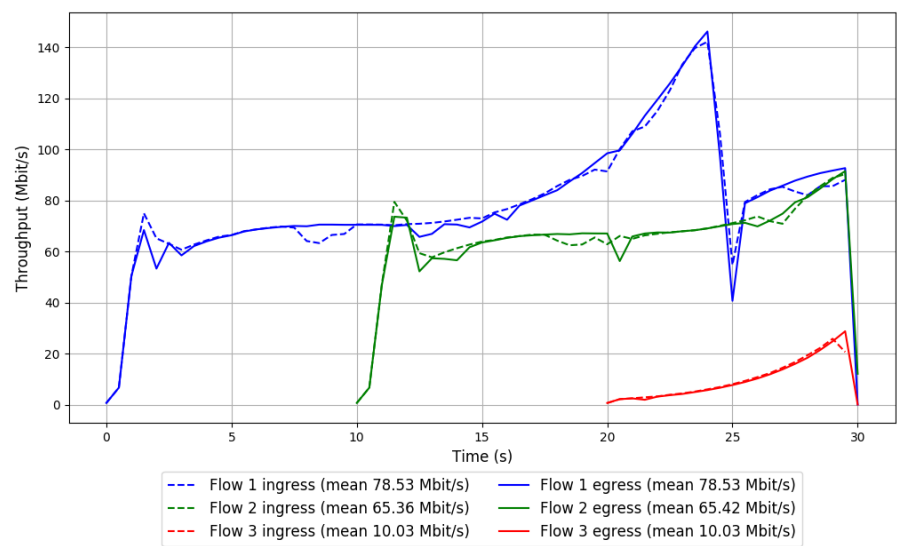


Run 7: Statistics of TCP Cubic

Start at: 2017-09-08 03:38:53
End at: 2017-09-08 03:39:23
Local clock offset: 0.259 ms
Remote clock offset: -2.679 ms

Below is generated by plot.py at 2017-09-08 06:20:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.35 Mbit/s
95th percentile per-packet one-way delay: 88.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.53 Mbit/s
95th percentile per-packet one-way delay: 89.048 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 88.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 87.139 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

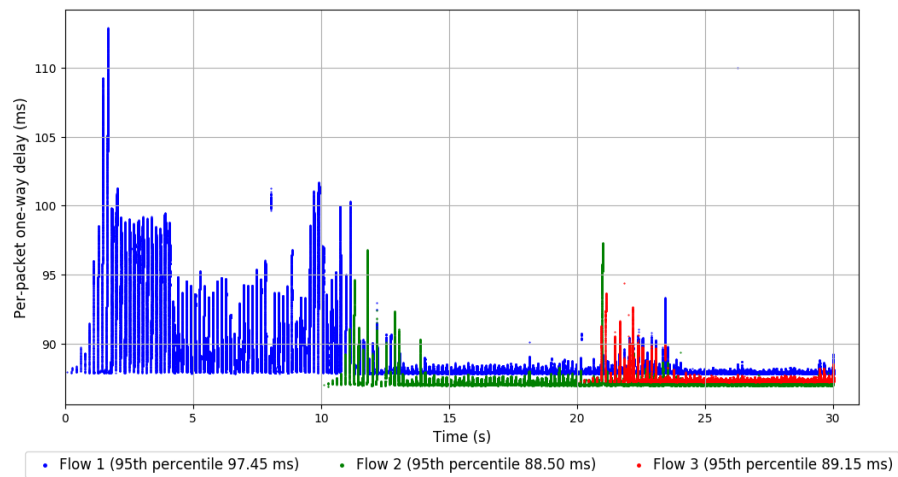
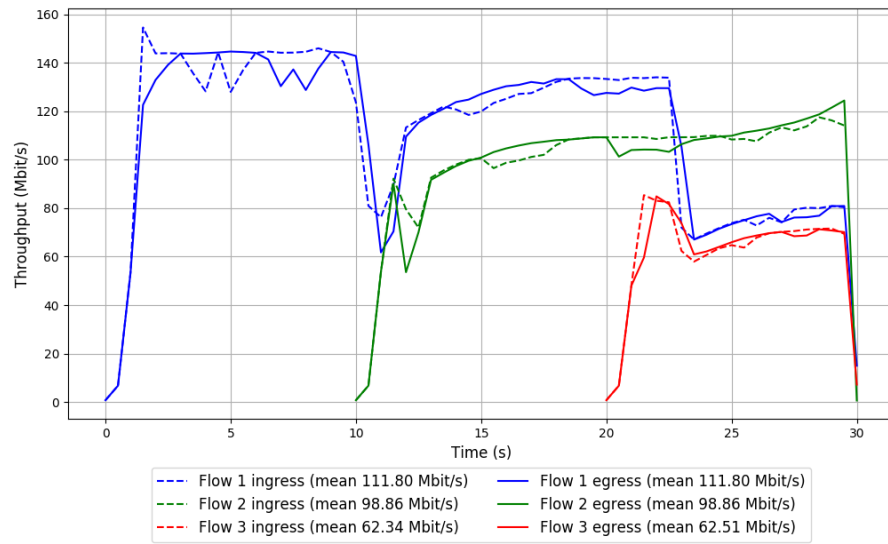


Run 8: Statistics of TCP Cubic

Start at: 2017-09-08 03:59:30
End at: 2017-09-08 04:00:00
Local clock offset: 0.247 ms
Remote clock offset: -2.529 ms

Below is generated by plot.py at 2017-09-08 06:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.29 Mbit/s
95th percentile per-packet one-way delay: 95.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.80 Mbit/s
95th percentile per-packet one-way delay: 97.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.86 Mbit/s
95th percentile per-packet one-way delay: 88.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 89.152 ms
Loss rate: 0.02%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-09-08 04:20:38

End at: 2017-09-08 04:21:08

Local clock offset: 0.213 ms

Remote clock offset: -2.81 ms

Below is generated by plot.py at 2017-09-08 06:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 206.05 Mbit/s

95th percentile per-packet one-way delay: 93.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 103.92 Mbit/s

95th percentile per-packet one-way delay: 94.381 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.65 Mbit/s

95th percentile per-packet one-way delay: 89.566 ms

Loss rate: 0.00%

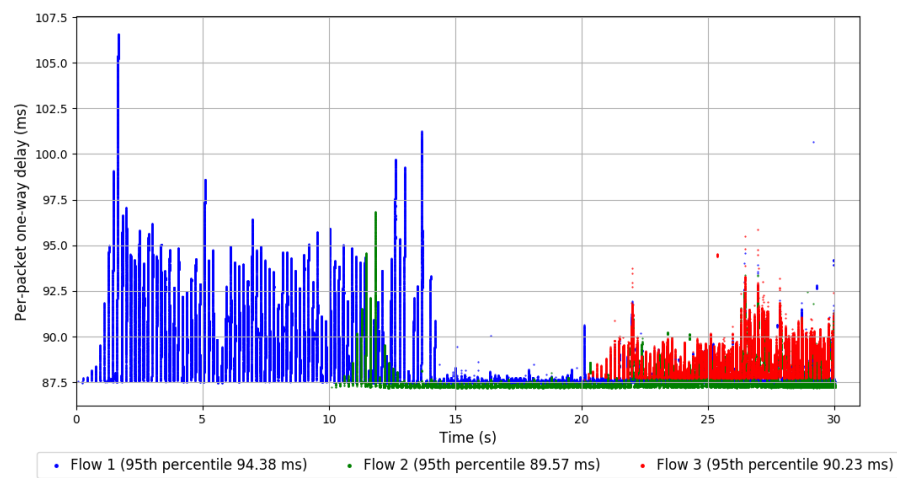
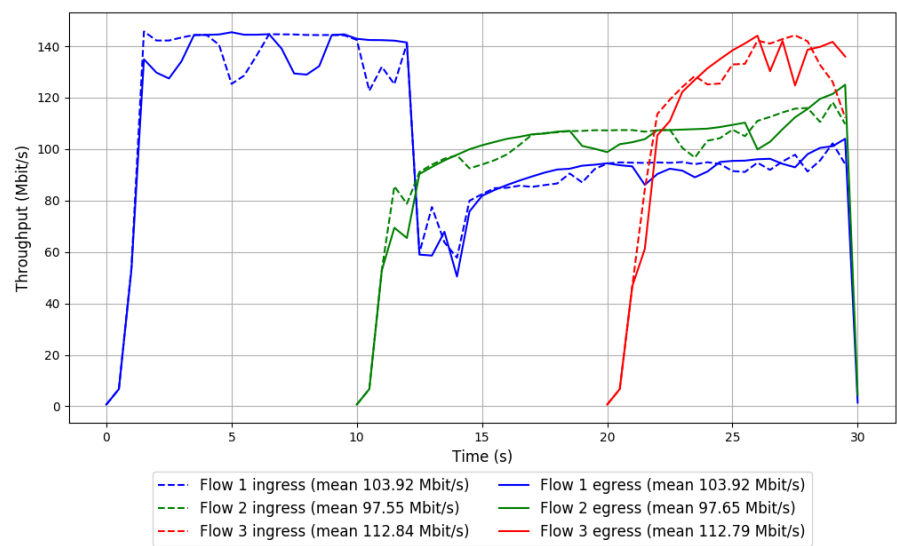
-- Flow 3:

Average throughput: 112.79 Mbit/s

95th percentile per-packet one-way delay: 90.226 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

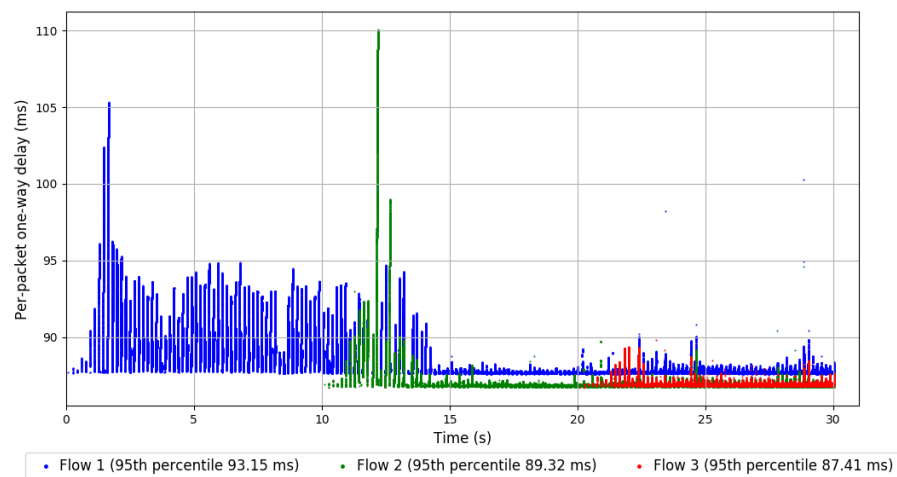
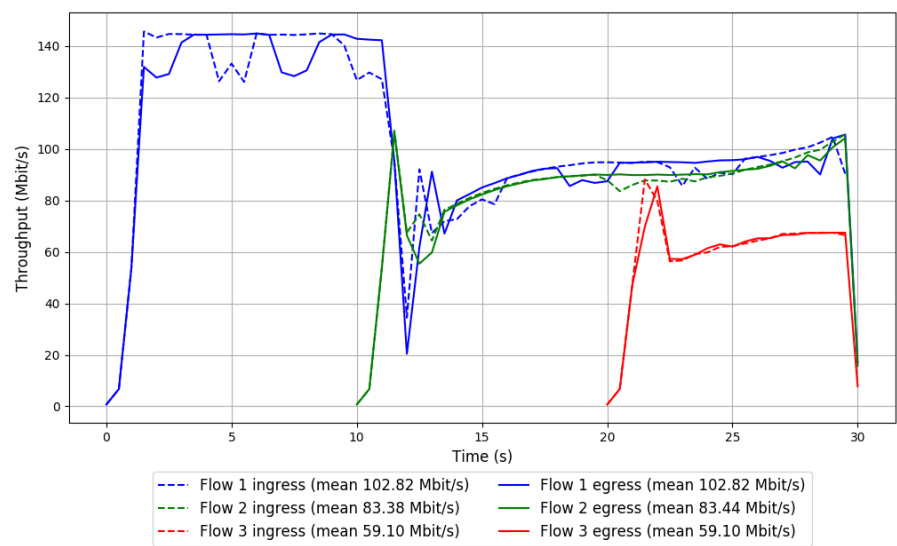


Run 10: Statistics of TCP Cubic

Start at: 2017-09-08 04:41:29
End at: 2017-09-08 04:41:59
Local clock offset: 0.124 ms
Remote clock offset: -2.862 ms

Below is generated by plot.py at 2017-09-08 06:21:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.98 Mbit/s
95th percentile per-packet one-way delay: 92.602 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 102.82 Mbit/s
95th percentile per-packet one-way delay: 93.149 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 89.319 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 87.411 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

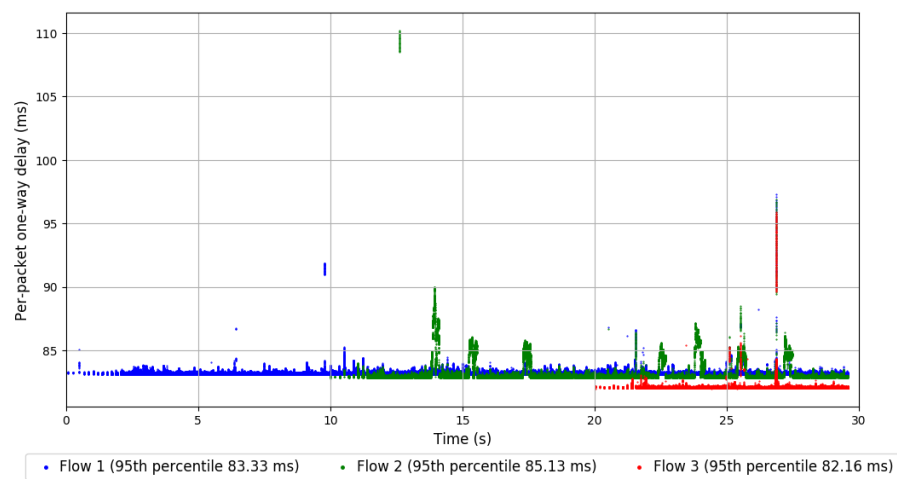
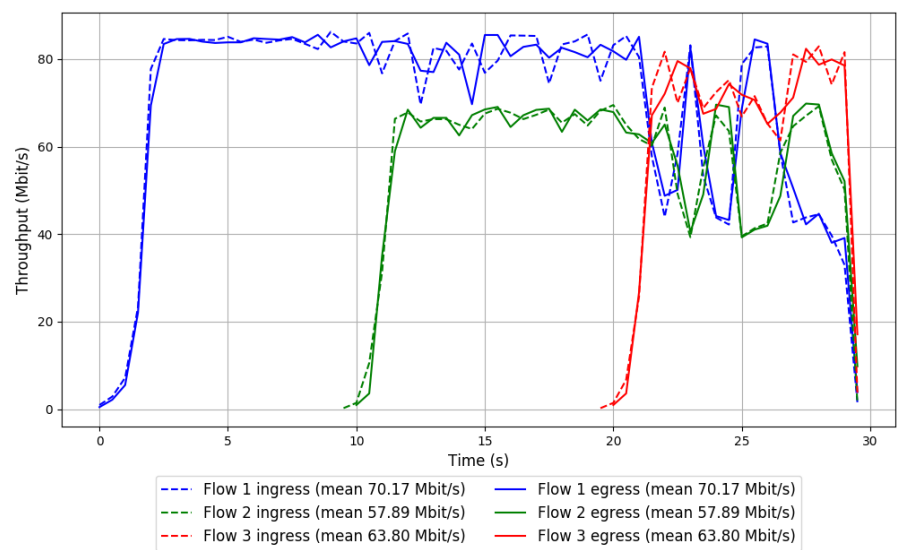


Run 1: Statistics of Indigo

Start at: 2017-09-08 01:29:05
End at: 2017-09-08 01:29:35
Local clock offset: 0.065 ms
Remote clock offset: -7.895 ms

Below is generated by plot.py at 2017-09-08 06:21:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.28 Mbit/s
95th percentile per-packet one-way delay: 83.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 83.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 85.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 82.156 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

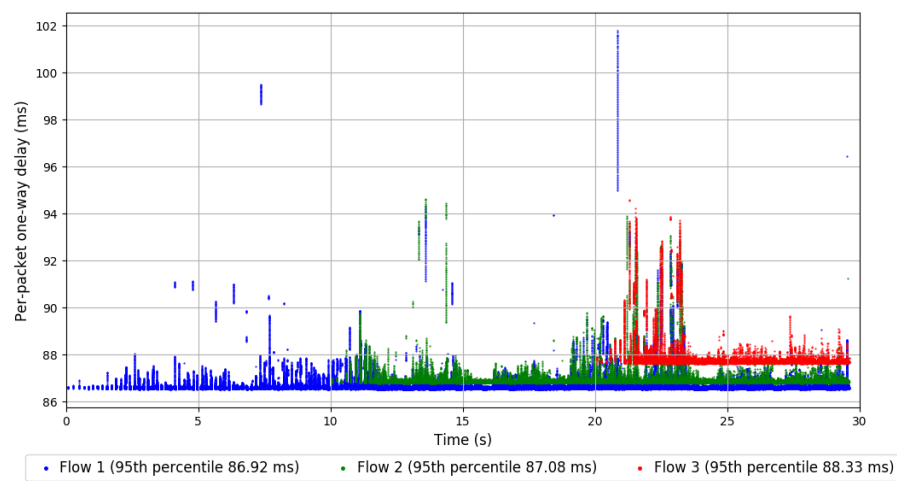
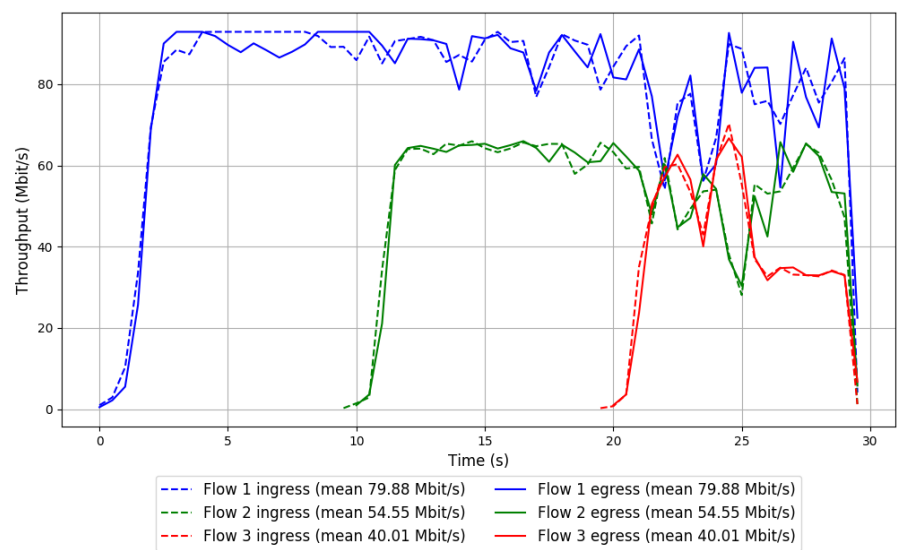


Run 2: Statistics of Indigo

Start at: 2017-09-08 01:49:52
End at: 2017-09-08 01:50:22
Local clock offset: 0.099 ms
Remote clock offset: -3.165 ms

Below is generated by plot.py at 2017-09-08 06:22:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.93 Mbit/s
95th percentile per-packet one-way delay: 87.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.88 Mbit/s
95th percentile per-packet one-way delay: 86.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 87.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 88.329 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-08 02:10:31

End at: 2017-09-08 02:11:01

Local clock offset: 0.13 ms

Remote clock offset: -3.37 ms

Below is generated by plot.py at 2017-09-08 06:22:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.05 Mbit/s

95th percentile per-packet one-way delay: 88.214 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 87.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.73 Mbit/s

95th percentile per-packet one-way delay: 88.300 ms

Loss rate: 0.00%

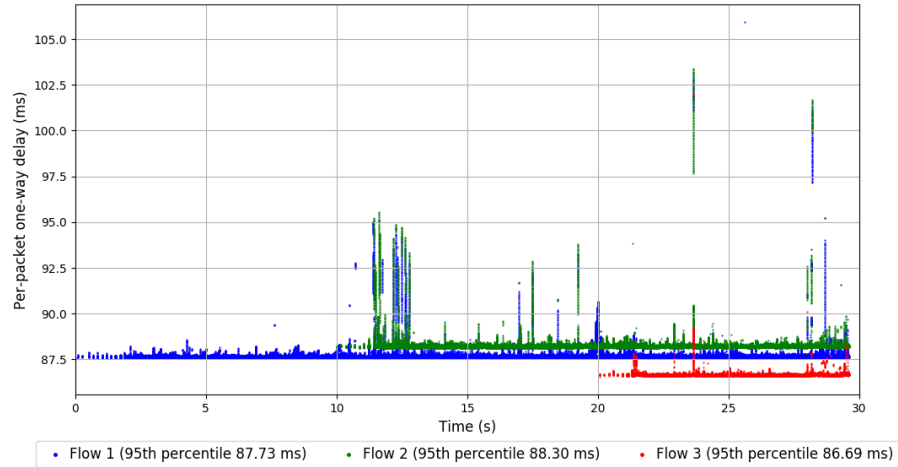
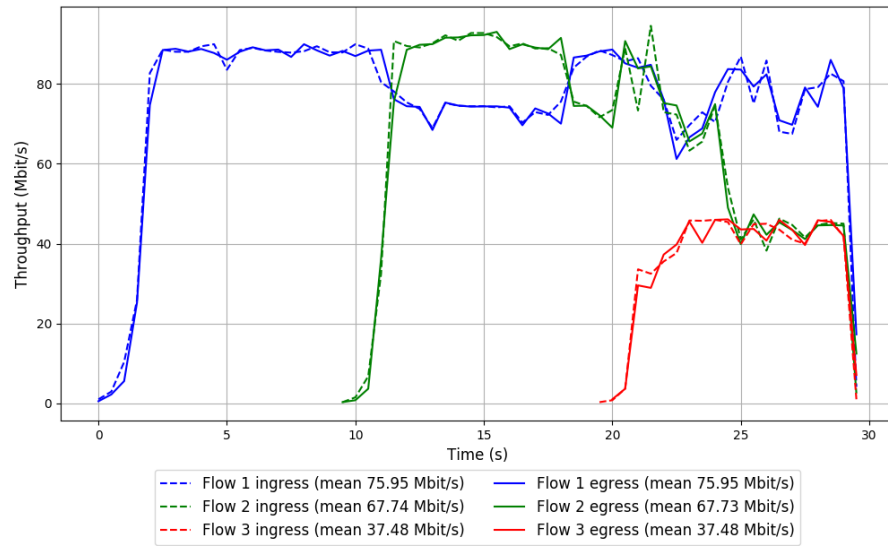
-- Flow 3:

Average throughput: 37.48 Mbit/s

95th percentile per-packet one-way delay: 86.695 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

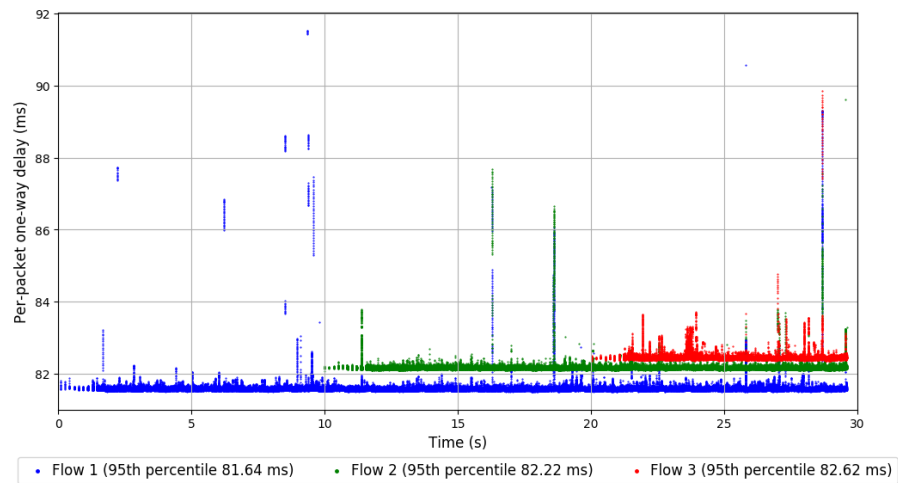
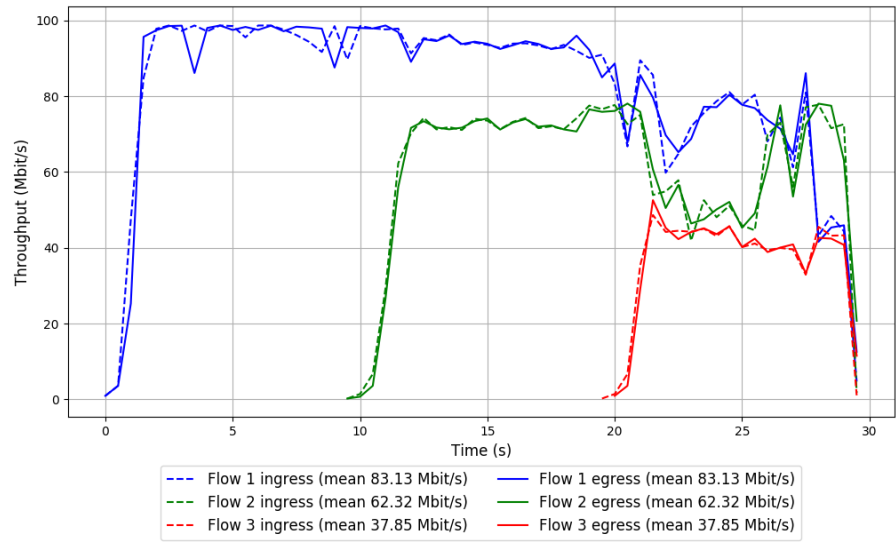


Run 4: Statistics of Indigo

Start at: 2017-09-08 02:31:21
End at: 2017-09-08 02:31:51
Local clock offset: 0.199 ms
Remote clock offset: -8.299 ms

Below is generated by plot.py at 2017-09-08 06:22:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.80 Mbit/s
95th percentile per-packet one-way delay: 82.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 81.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.32 Mbit/s
95th percentile per-packet one-way delay: 82.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 82.620 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

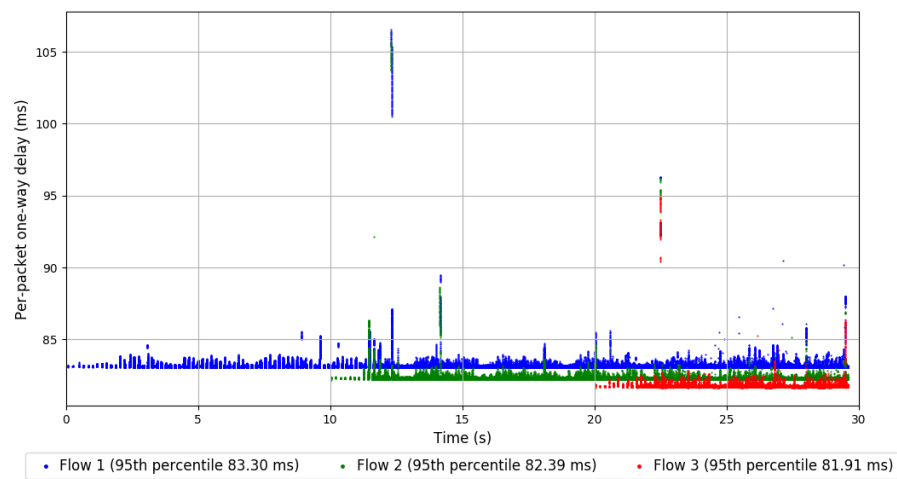
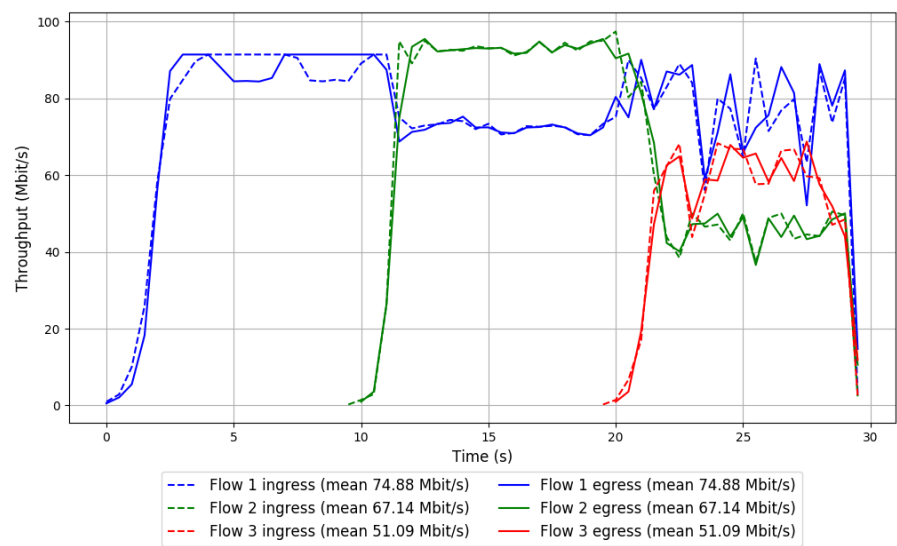


Run 5: Statistics of Indigo

Start at: 2017-09-08 02:52:19
End at: 2017-09-08 02:52:49
Local clock offset: 0.144 ms
Remote clock offset: -7.943 ms

Below is generated by plot.py at 2017-09-08 06:22:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.92 Mbit/s
95th percentile per-packet one-way delay: 83.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 83.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.14 Mbit/s
95th percentile per-packet one-way delay: 82.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 81.912 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

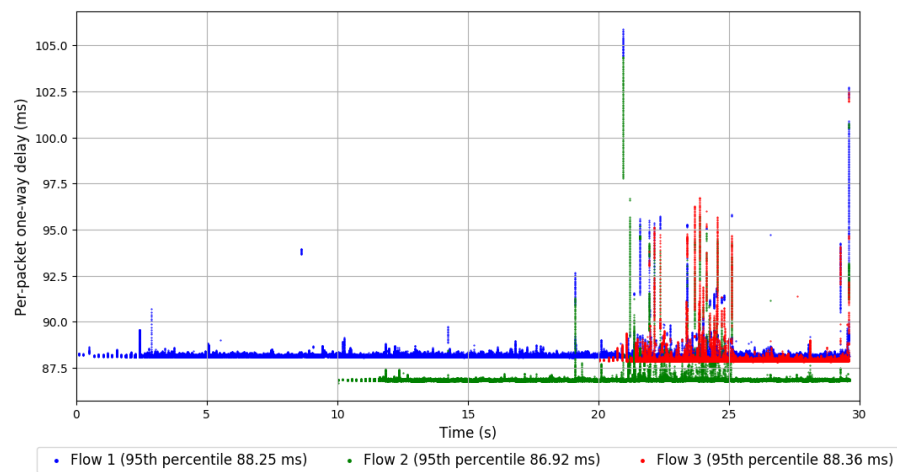
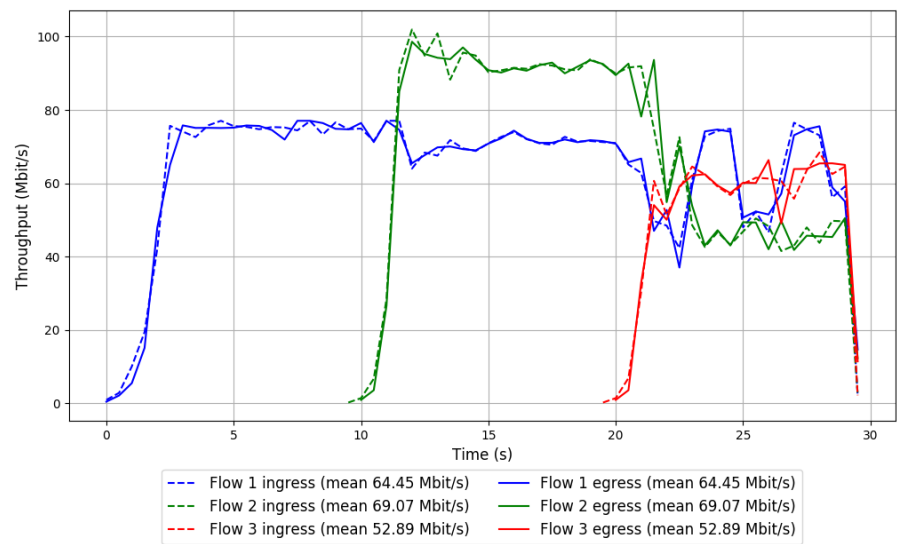


Run 6: Statistics of Indigo

Start at: 2017-09-08 03:13:38
End at: 2017-09-08 03:14:08
Local clock offset: 0.255 ms
Remote clock offset: -2.853 ms

Below is generated by plot.py at 2017-09-08 06:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.39 Mbit/s
95th percentile per-packet one-way delay: 88.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 88.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 86.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 88.363 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

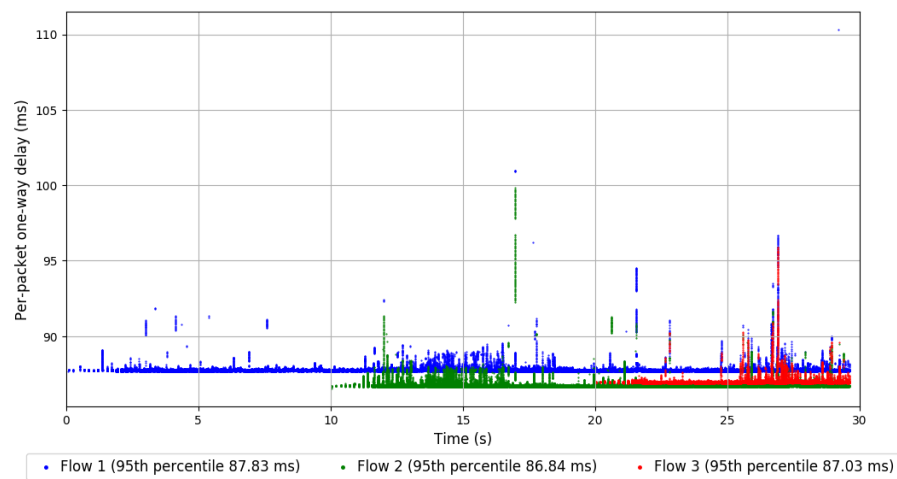
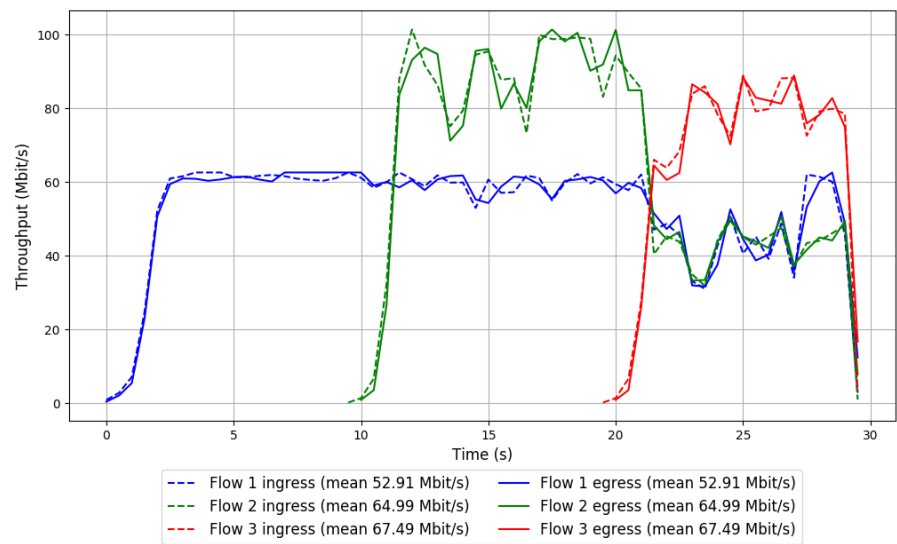


Run 7: Statistics of Indigo

Start at: 2017-09-08 03:34:48
End at: 2017-09-08 03:35:18
Local clock offset: 0.264 ms
Remote clock offset: -2.437 ms

Below is generated by plot.py at 2017-09-08 06:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.89 Mbit/s
95th percentile per-packet one-way delay: 87.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.91 Mbit/s
95th percentile per-packet one-way delay: 87.834 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 86.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.49 Mbit/s
95th percentile per-packet one-way delay: 87.026 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

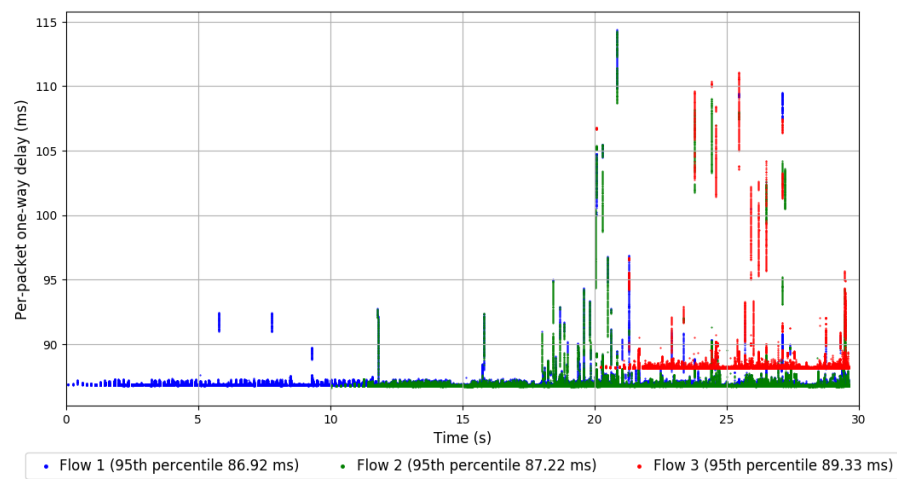
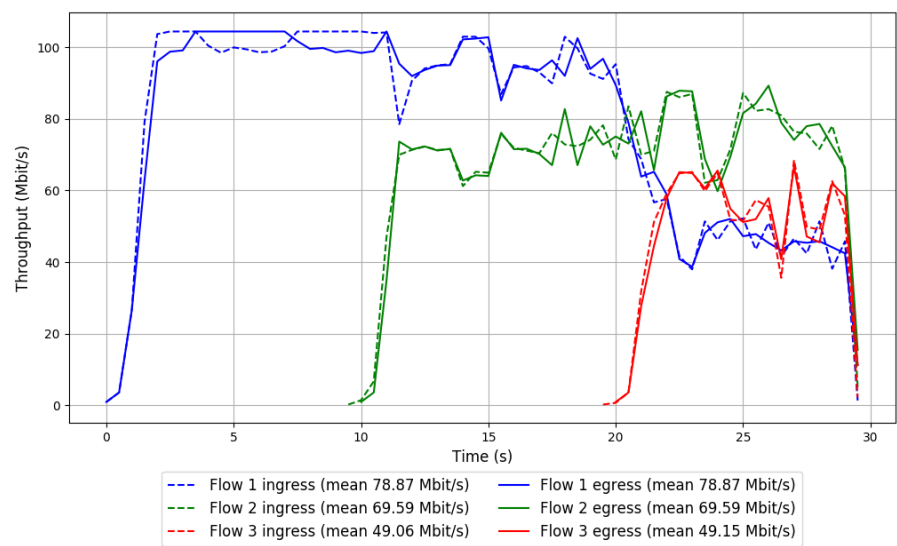


Run 8: Statistics of Indigo

Start at: 2017-09-08 03:55:30
End at: 2017-09-08 03:56:00
Local clock offset: 0.238 ms
Remote clock offset: -2.457 ms

Below is generated by plot.py at 2017-09-08 06:22:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.86 Mbit/s
95th percentile per-packet one-way delay: 88.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.87 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 87.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 89.335 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

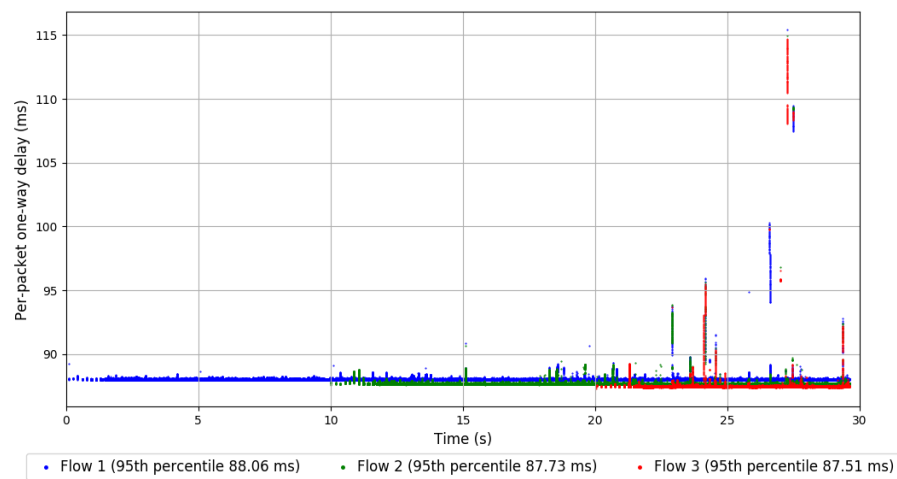
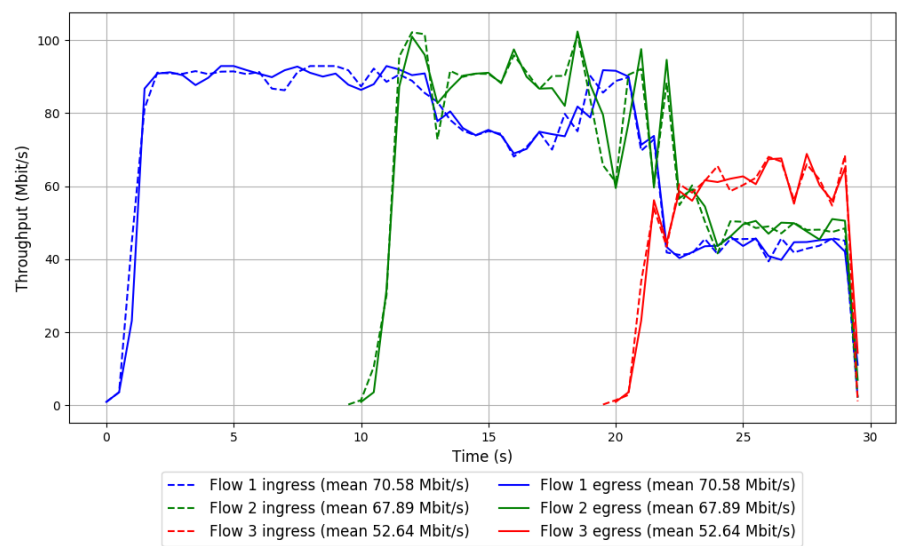


Run 9: Statistics of Indigo

Start at: 2017-09-08 04:16:30
End at: 2017-09-08 04:17:00
Local clock offset: 0.232 ms
Remote clock offset: -2.553 ms

Below is generated by plot.py at 2017-09-08 06:22:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.66 Mbit/s
95th percentile per-packet one-way delay: 88.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 88.057 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.89 Mbit/s
95th percentile per-packet one-way delay: 87.734 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 87.507 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-08 04:37:22

End at: 2017-09-08 04:37:52

Local clock offset: 0.153 ms

Remote clock offset: -2.99 ms

Below is generated by plot.py at 2017-09-08 06:23:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.64 Mbit/s

95th percentile per-packet one-way delay: 87.812 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 73.36 Mbit/s

95th percentile per-packet one-way delay: 86.714 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 87.842 ms

Loss rate: 0.00%

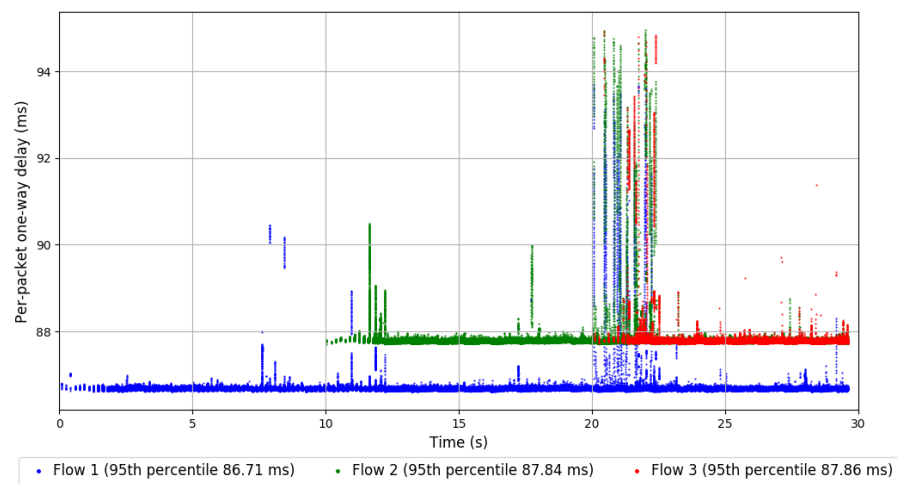
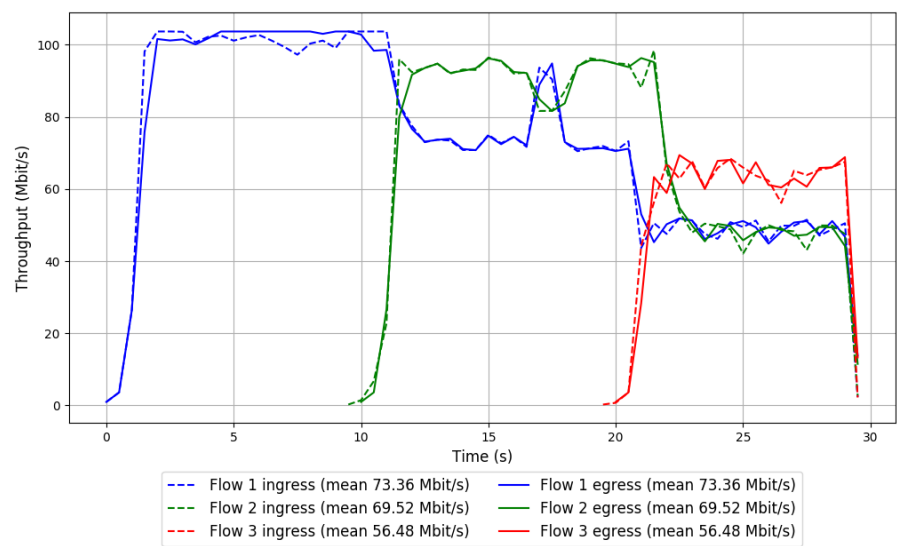
-- Flow 3:

Average throughput: 56.48 Mbit/s

95th percentile per-packet one-way delay: 87.855 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

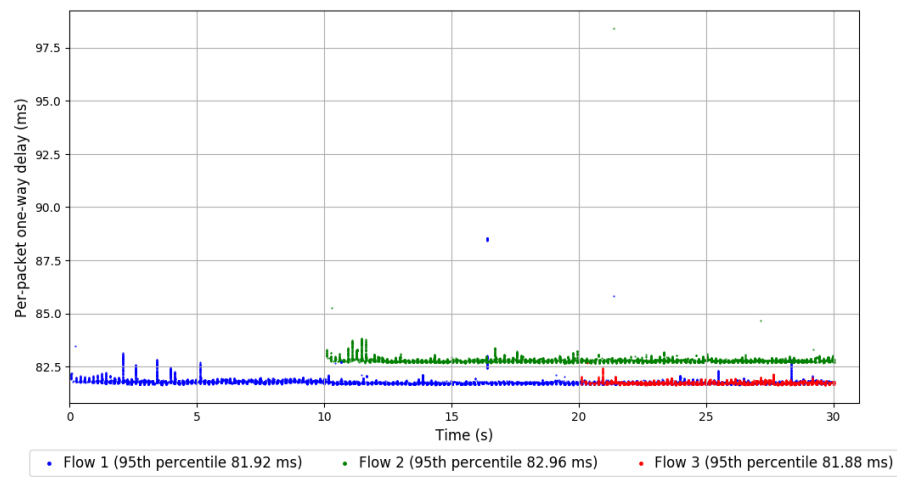
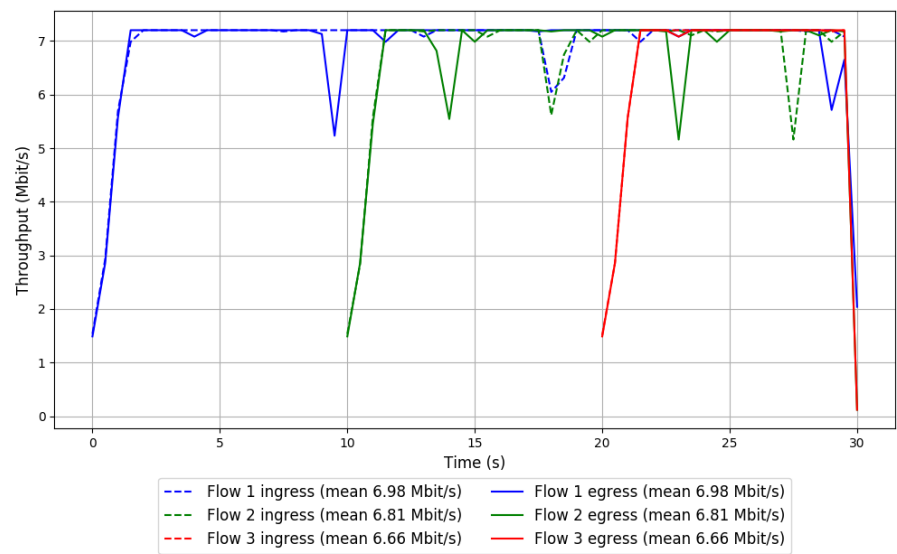


```
Run 1: Statistics of KohoCC

Start at: 2017-09-08 01:42:51
End at: 2017-09-08 01:43:21
Local clock offset: 0.089 ms
Remote clock offset: -7.947 ms

# Below is generated by plot.py at 2017-09-08 06:23:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 82.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 81.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 82.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 81.875 ms
Loss rate: 0.00%
```

Run 1: Report of KohoCC — Data Link

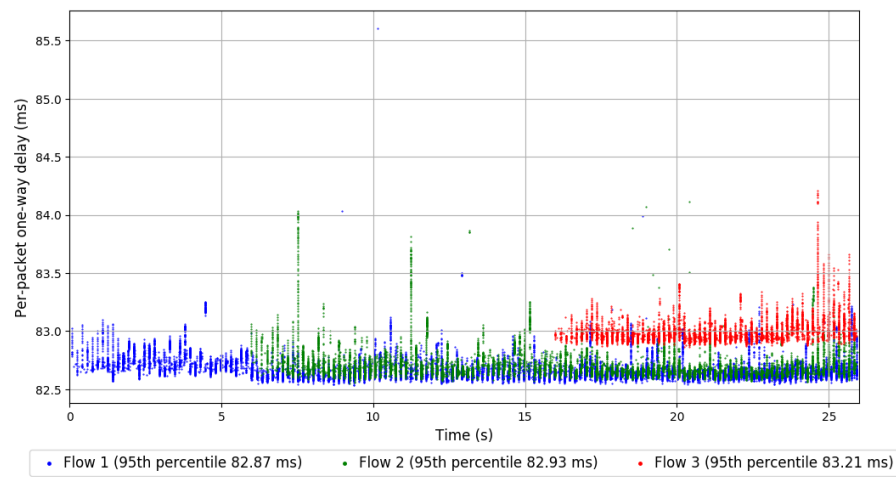
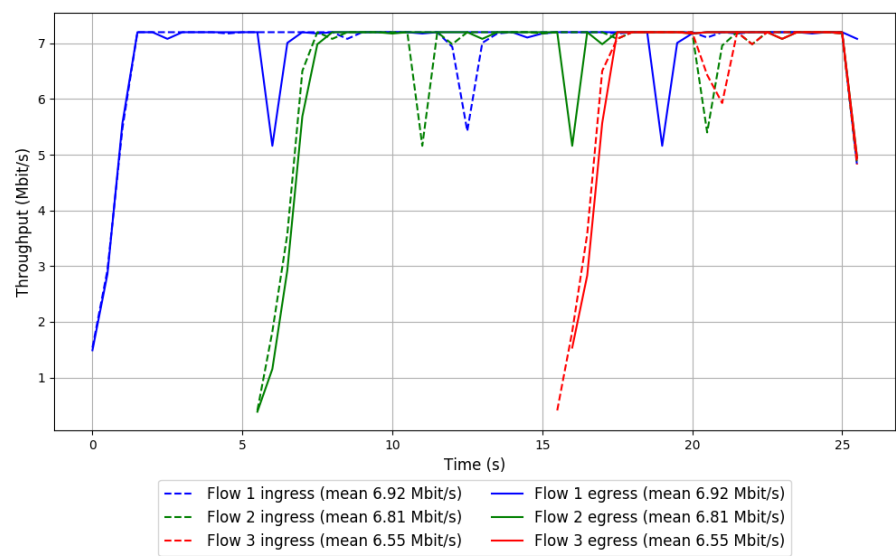


Run 2: Statistics of KohoCC

Start at: 2017-09-08 02:03:32
End at: 2017-09-08 02:04:02
Local clock offset: 0.127 ms
Remote clock offset: -8.305 ms

Below is generated by plot.py at 2017-09-08 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 83.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 82.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 82.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 83.209 ms
Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link

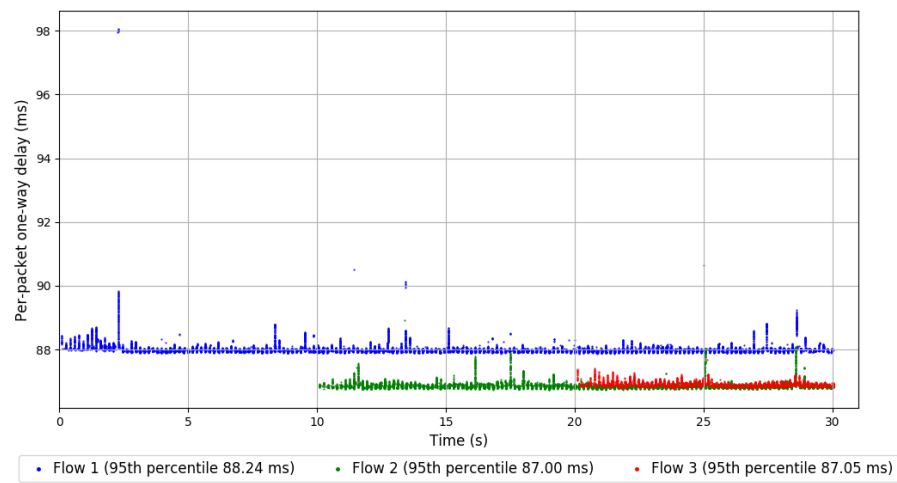
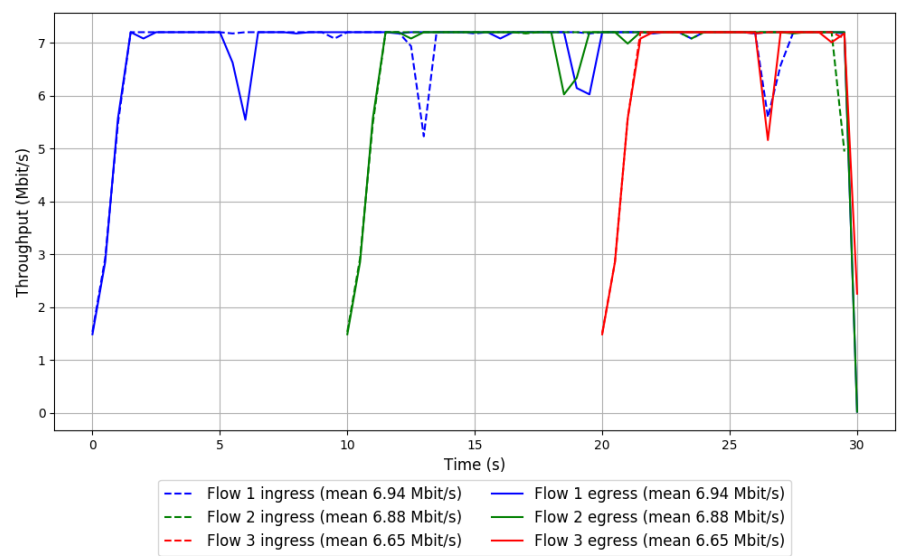


Run 3: Statistics of KohoCC

Start at: 2017-09-08 02:24:23
End at: 2017-09-08 02:24:53
Local clock offset: 0.154 ms
Remote clock offset: -3.429 ms

Below is generated by plot.py at 2017-09-08 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 88.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 88.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 87.051 ms
Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link

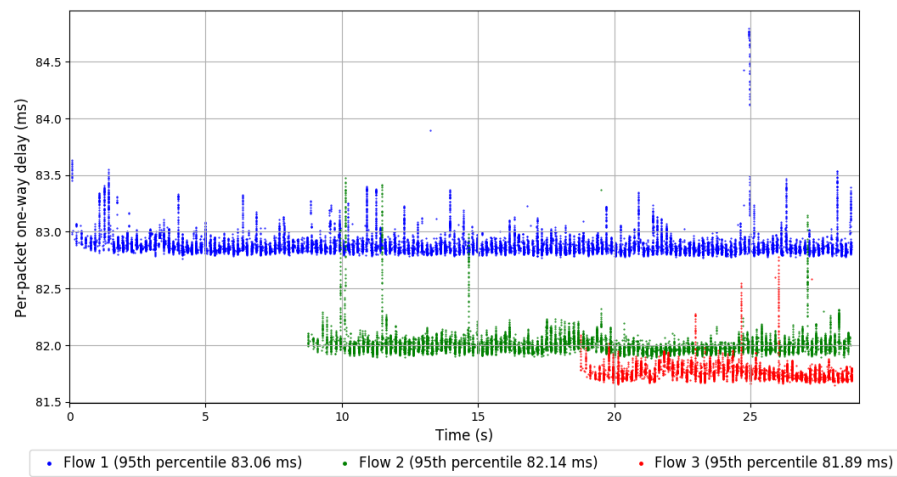
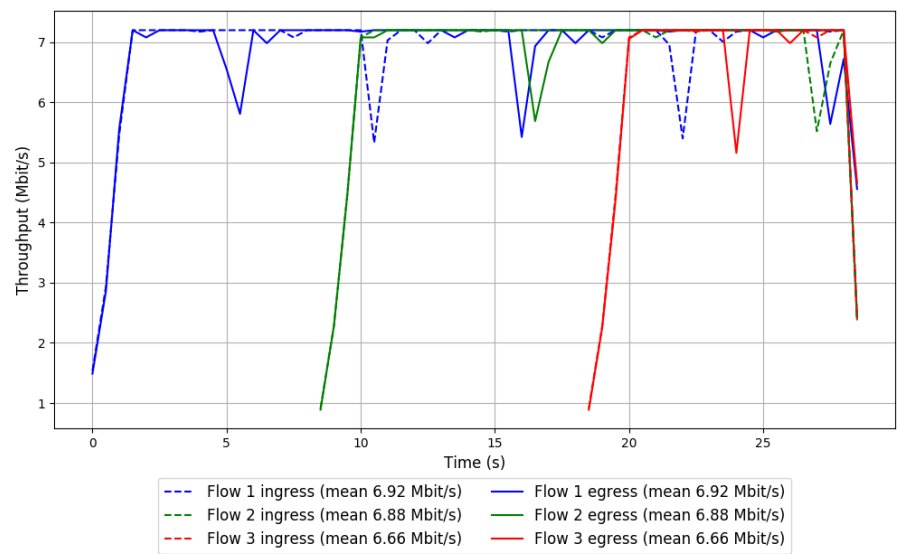


Run 4: Statistics of KohoCC

Start at: 2017-09-08 02:45:15
End at: 2017-09-08 02:45:45
Local clock offset: 0.184 ms
Remote clock offset: -8.077 ms

Below is generated by plot.py at 2017-09-08 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 82.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 83.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 82.135 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 81.889 ms
Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link

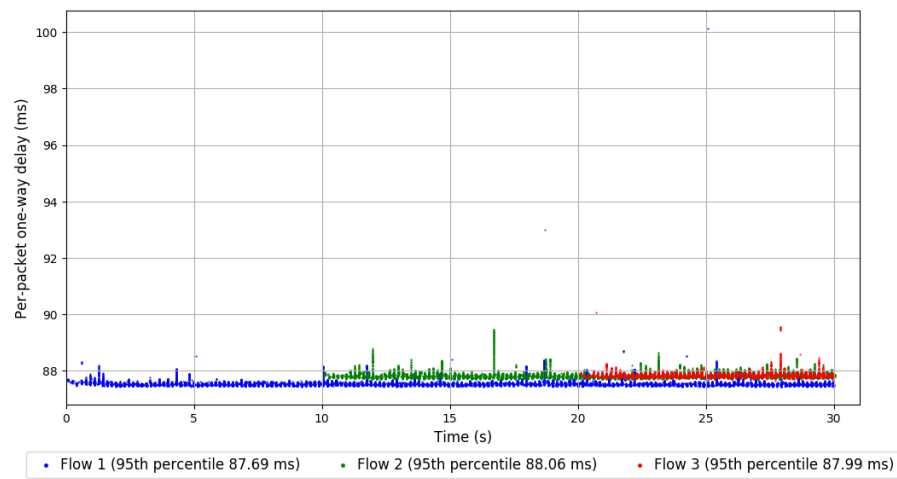
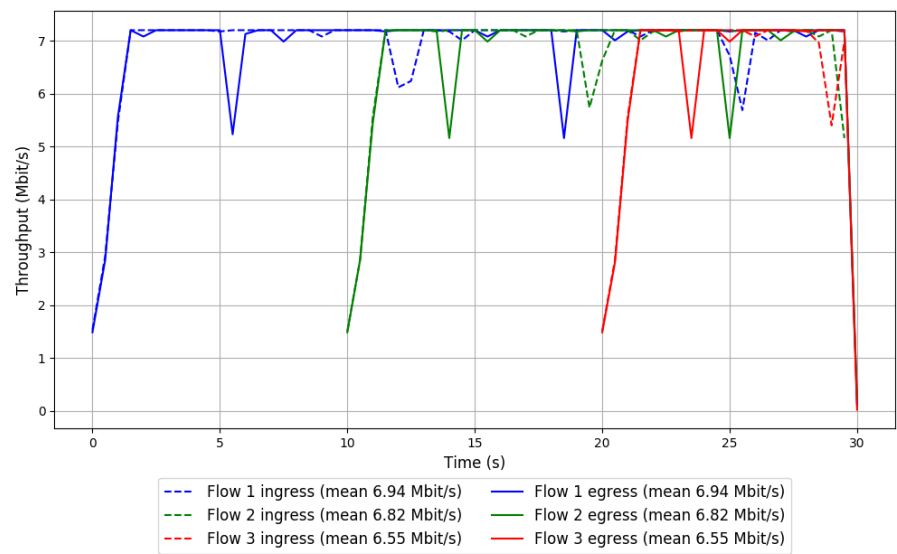


Run 5: Statistics of KohoCC

Start at: 2017-09-08 03:06:20
End at: 2017-09-08 03:06:50
Local clock offset: 0.235 ms
Remote clock offset: -3.098 ms

Below is generated by plot.py at 2017-09-08 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 87.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 87.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 88.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 87.993 ms
Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link

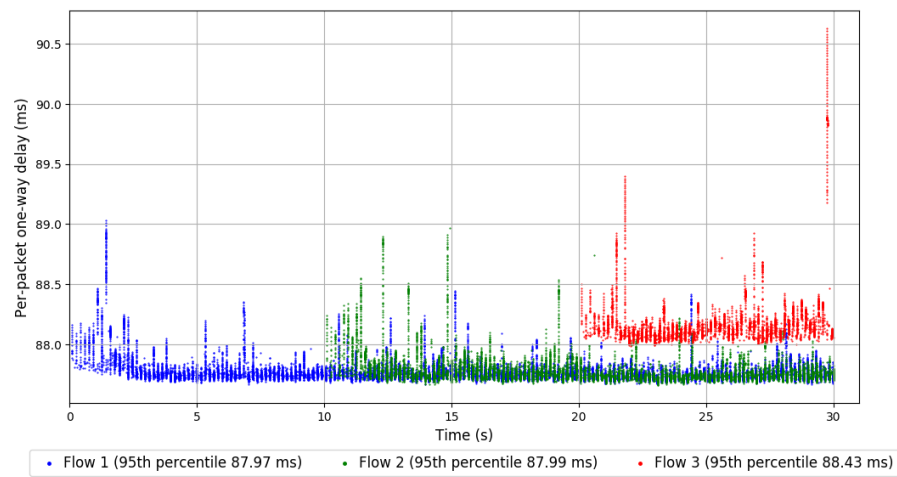
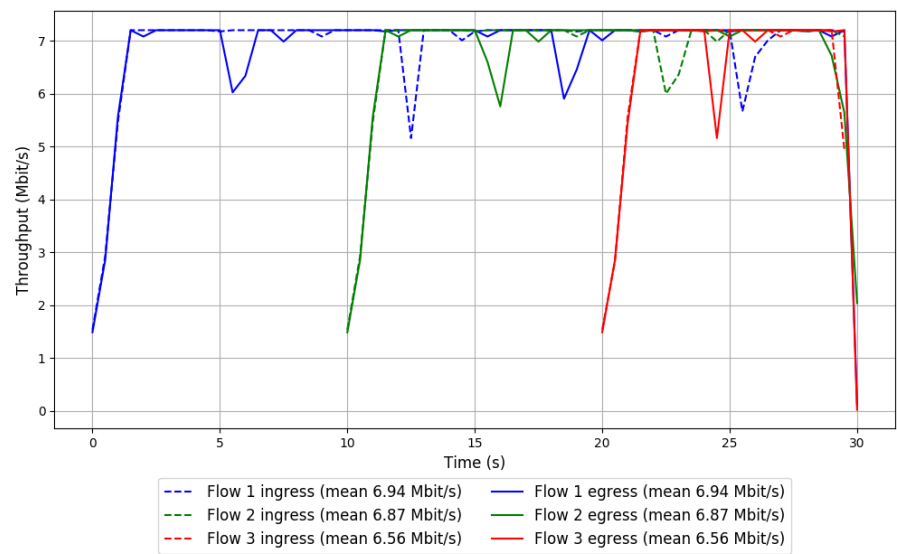


Run 6: Statistics of KohoCC

Start at: 2017-09-08 03:27:19
End at: 2017-09-08 03:27:49
Local clock offset: 0.261 ms
Remote clock offset: -2.526 ms

Below is generated by plot.py at 2017-09-08 06:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 88.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 87.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 87.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 88.430 ms
Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link

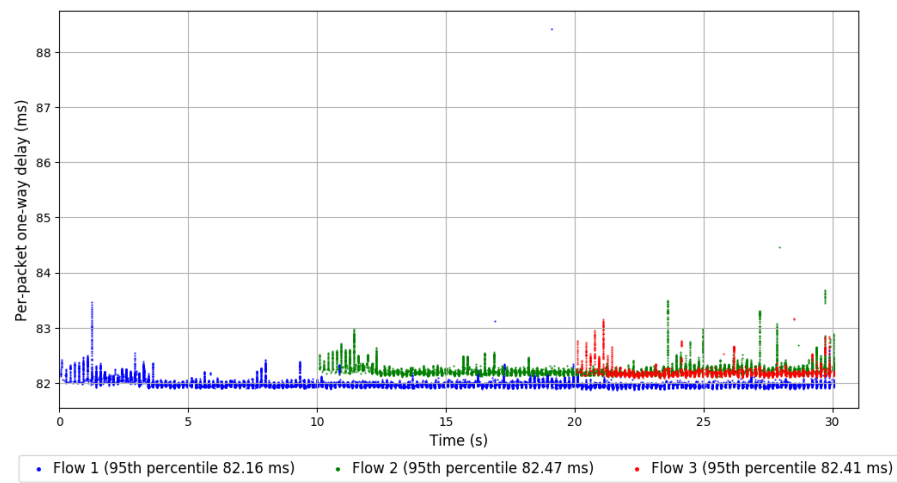
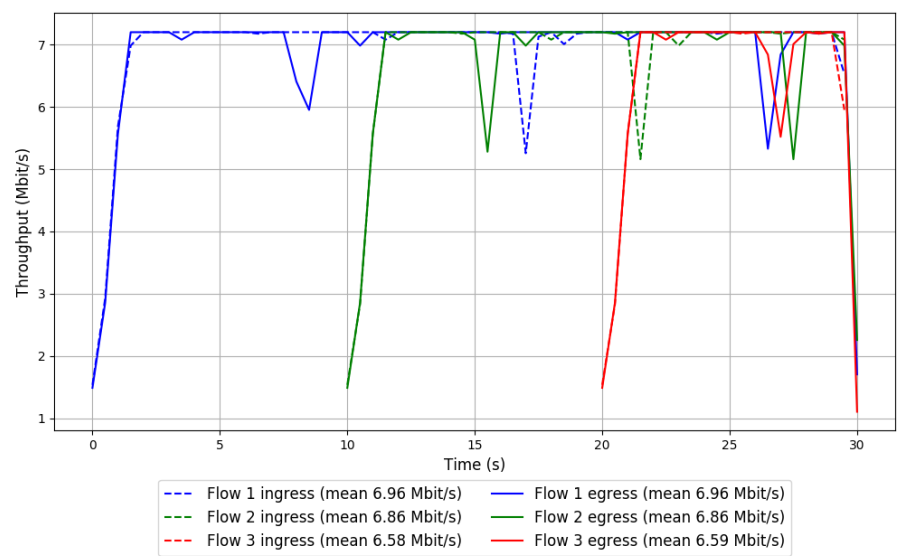


Run 7: Statistics of KohoCC

Start at: 2017-09-08 03:48:32
End at: 2017-09-08 03:49:02
Local clock offset: 0.271 ms
Remote clock offset: -7.351 ms

Below is generated by plot.py at 2017-09-08 06:23:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 82.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 82.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 82.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 82.413 ms
Loss rate: 0.02%

Run 7: Report of KohoCC — Data Link

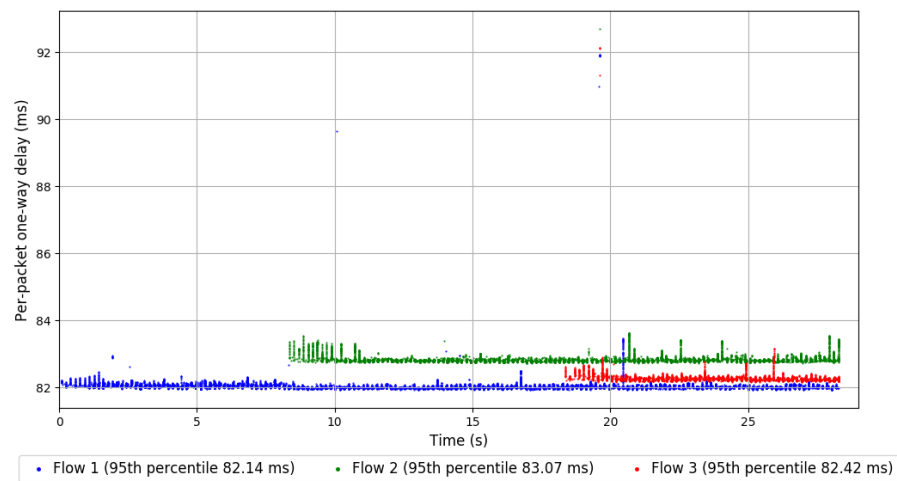
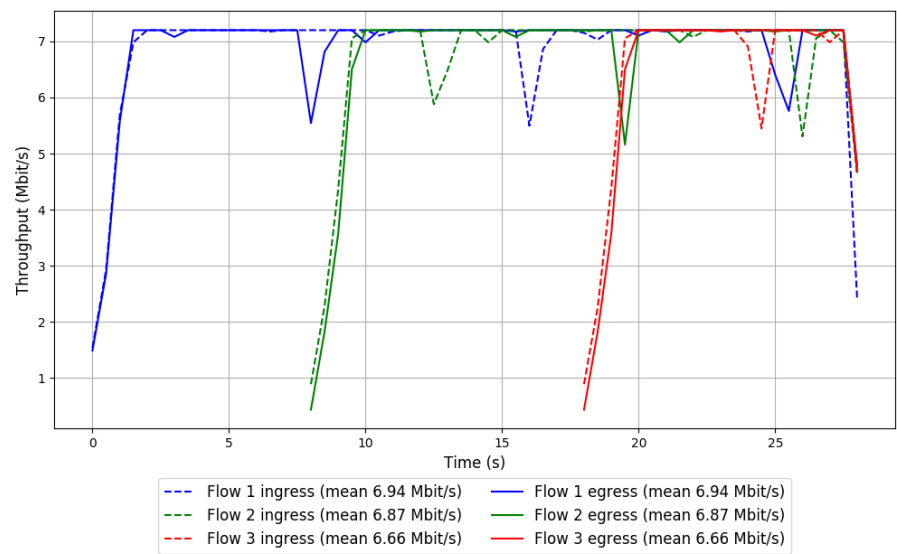


Run 8: Statistics of KohoCC

Start at: 2017-09-08 04:09:11
End at: 2017-09-08 04:09:41
Local clock offset: 0.249 ms
Remote clock offset: -7.463 ms

Below is generated by plot.py at 2017-09-08 06:23:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 82.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 82.135 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 83.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 82.420 ms
Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link

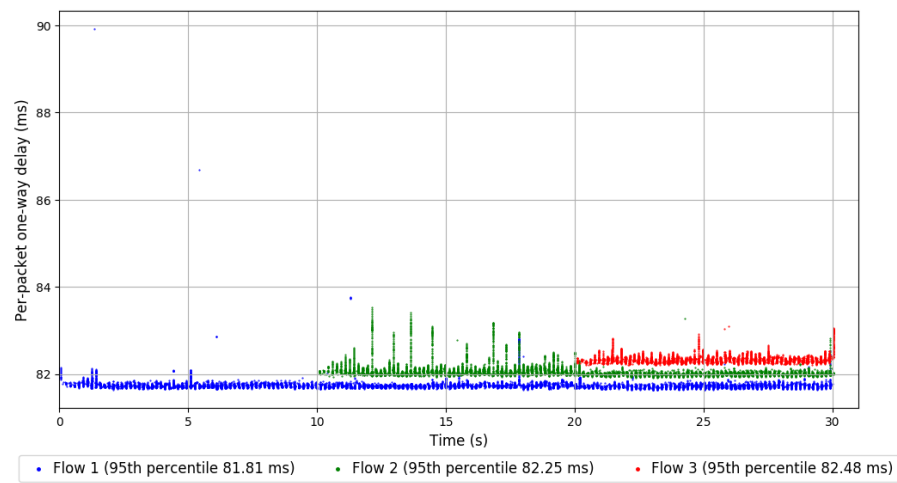
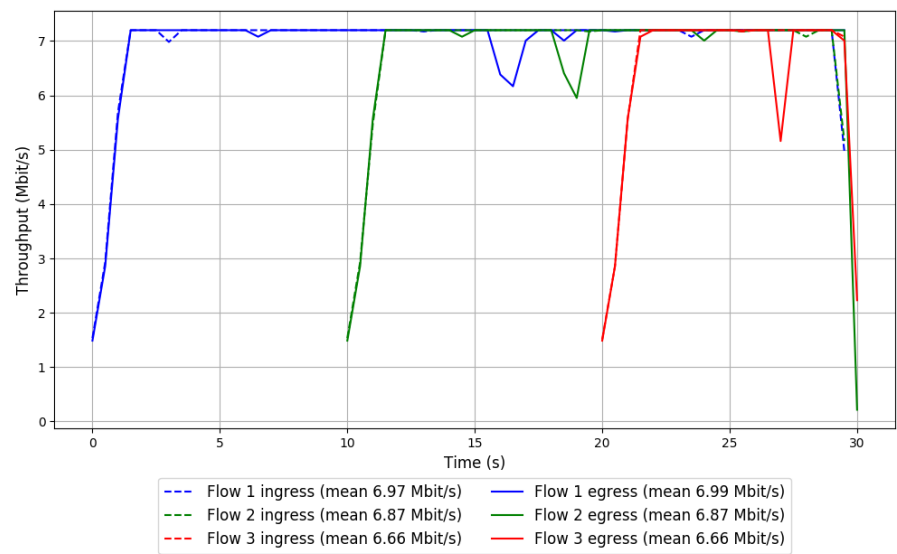


Run 9: Statistics of KohoCC

Start at: 2017-09-08 04:30:31
End at: 2017-09-08 04:31:01
Local clock offset: 0.151 ms
Remote clock offset: -7.626 ms

Below is generated by plot.py at 2017-09-08 06:23:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 82.370 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 81.813 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 82.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 82.480 ms
Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link

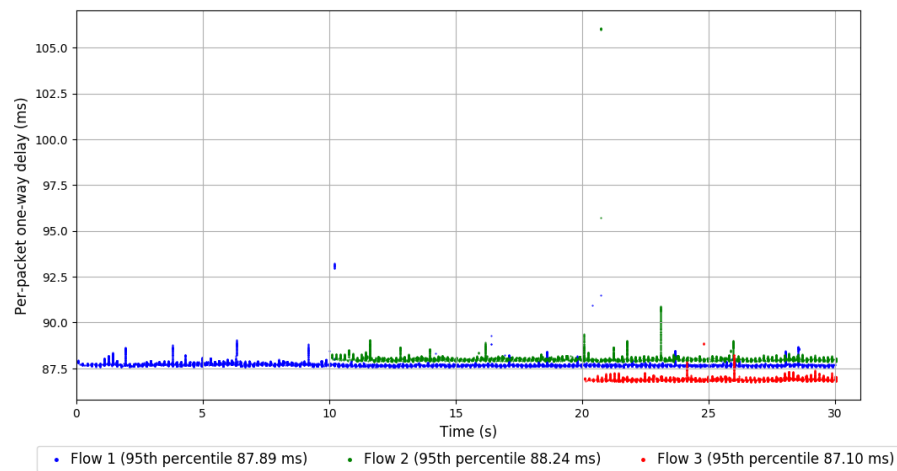
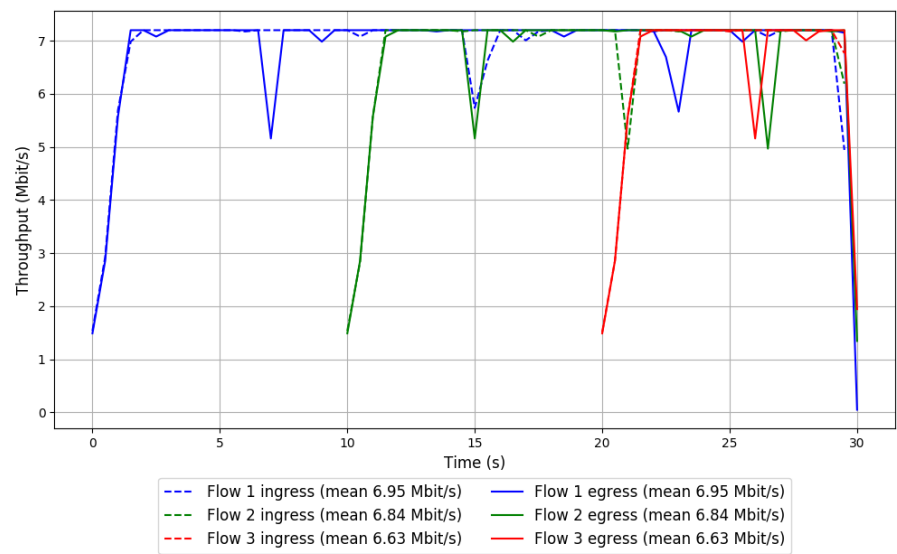


Run 10: Statistics of KohoCC

Start at: 2017-09-08 04:51:10
End at: 2017-09-08 04:51:40
Local clock offset: 0.174 ms
Remote clock offset: -2.784 ms

Below is generated by plot.py at 2017-09-08 06:23:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 88.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.95 Mbit/s
95th percentile per-packet one-way delay: 87.893 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 88.236 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 87.099 ms
Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link

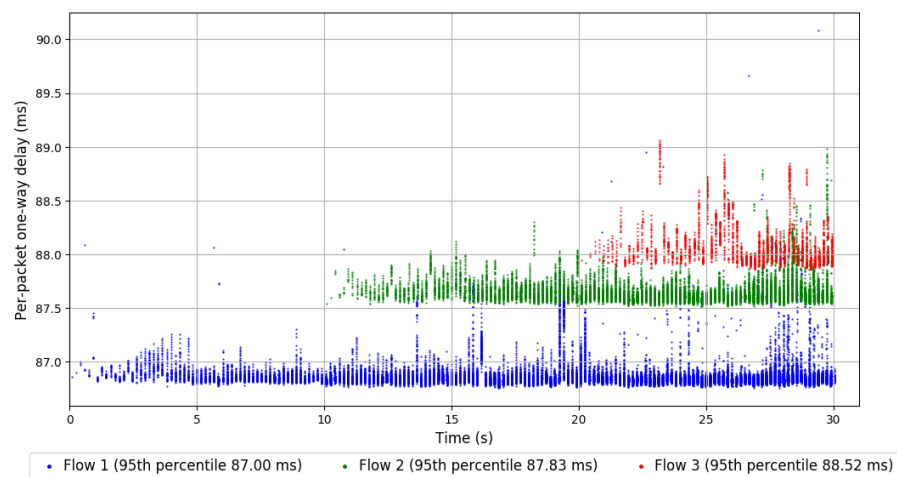
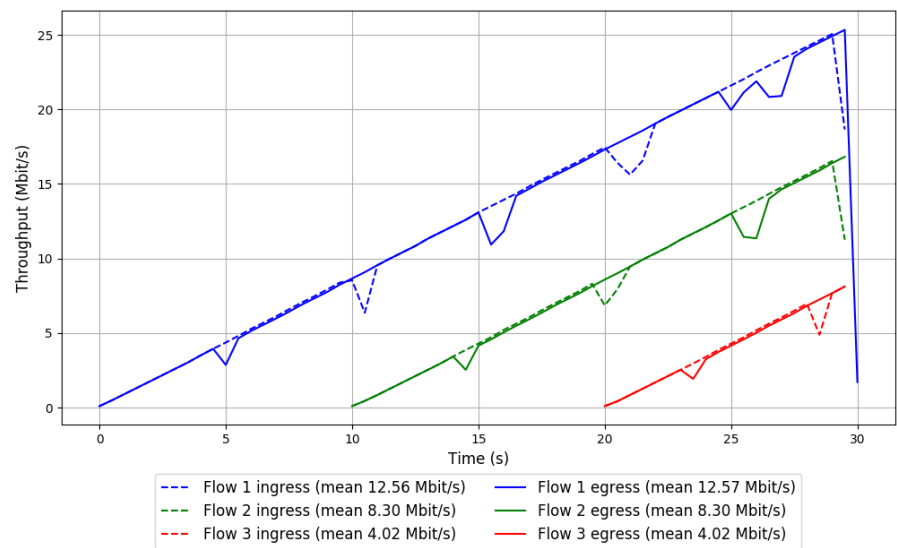


```
Run 1: Statistics of LEDBAT

Start at: 2017-09-08 01:34:33
End at: 2017-09-08 01:35:03
Local clock offset: 0.083 ms
Remote clock offset: -2.955 ms

# Below is generated by plot.py at 2017-09-08 06:23:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 87.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 87.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 88.521 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

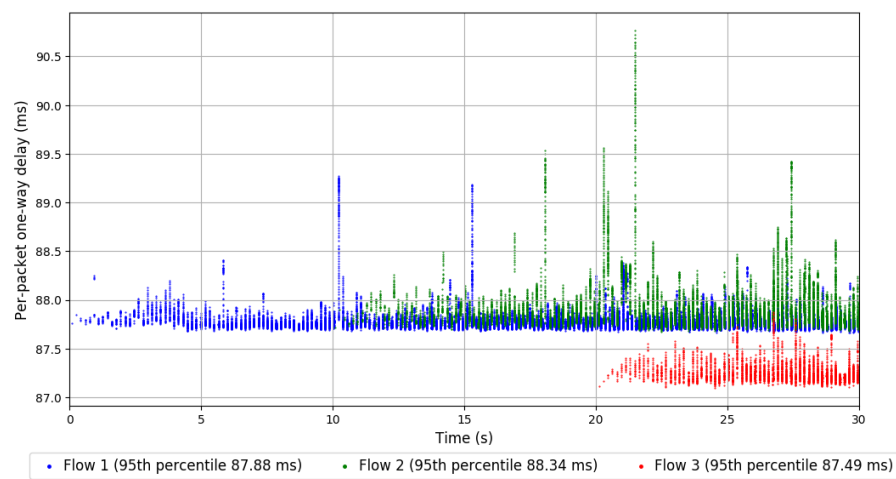
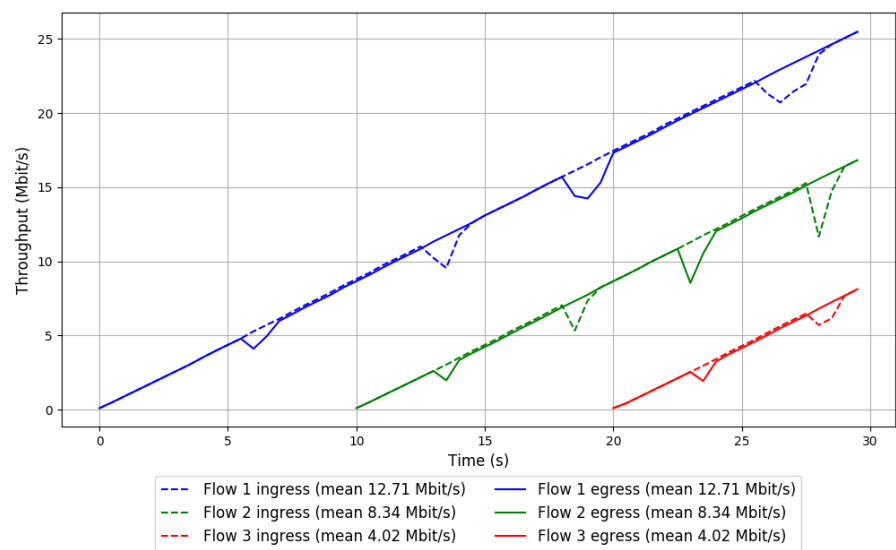


Run 2: Statistics of LEDBAT

Start at: 2017-09-08 01:55:22
End at: 2017-09-08 01:55:52
Local clock offset: 0.022 ms
Remote clock offset: -3.227 ms

Below is generated by plot.py at 2017-09-08 06:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 88.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 87.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 88.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 87.491 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

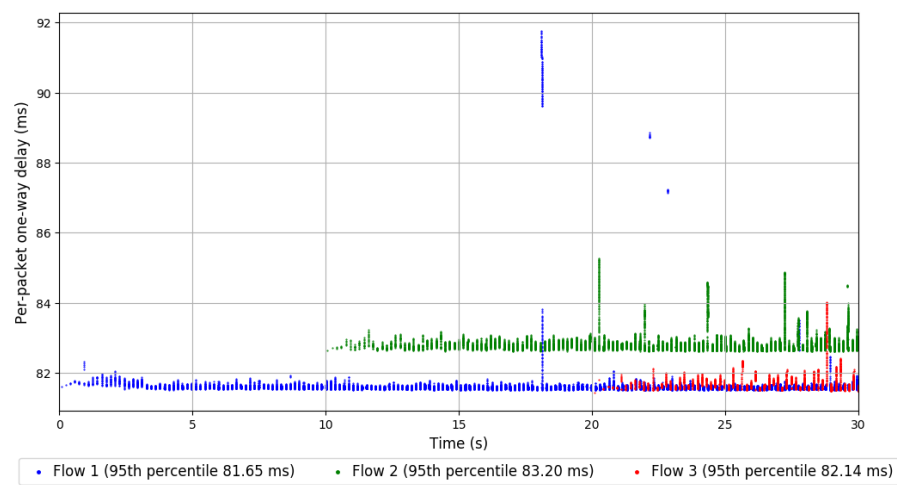
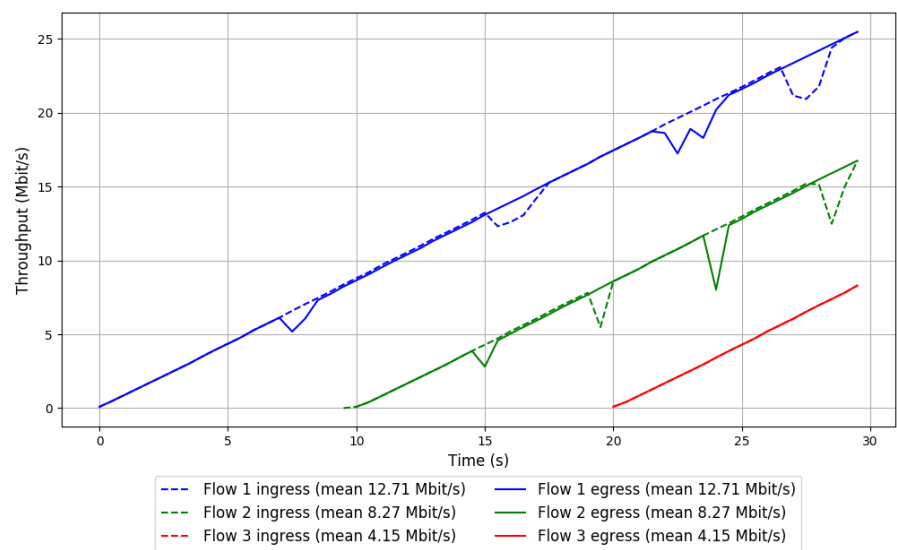


Run 3: Statistics of LEDBAT

Start at: 2017-09-08 02:16:05
End at: 2017-09-08 02:16:35
Local clock offset: 0.113 ms
Remote clock offset: -8.379 ms

Below is generated by plot.py at 2017-09-08 06:23:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 82.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 81.654 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 83.197 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 82.138 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-08 02:37:02

End at: 2017-09-08 02:37:32

Local clock offset: 0.113 ms

Remote clock offset: -8.28 ms

Below is generated by plot.py at 2017-09-08 06:23:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.52 Mbit/s

95th percentile per-packet one-way delay: 83.641 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 81.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 83.892 ms

Loss rate: 0.00%

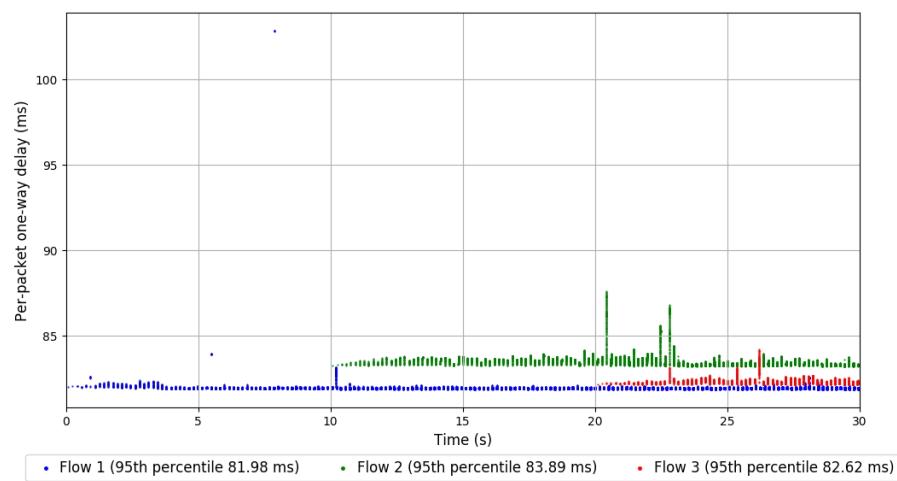
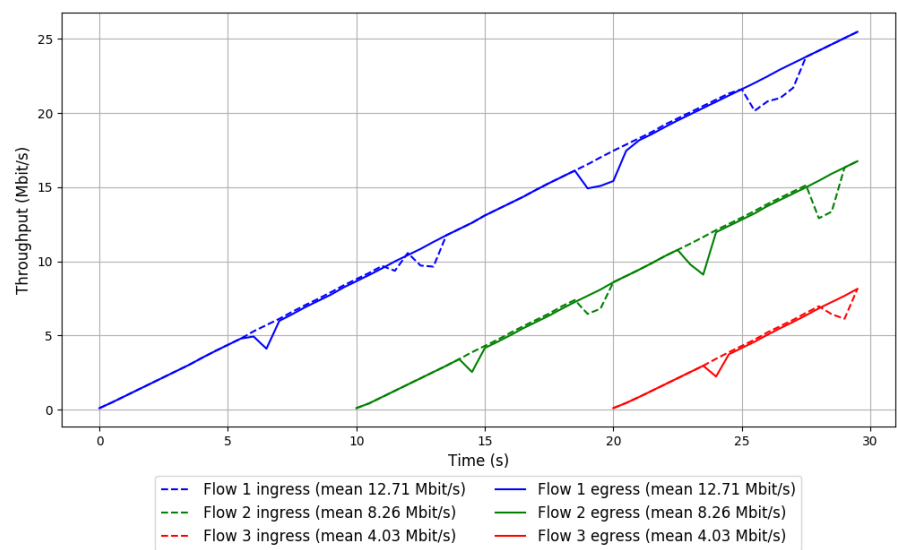
-- Flow 3:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 82.621 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

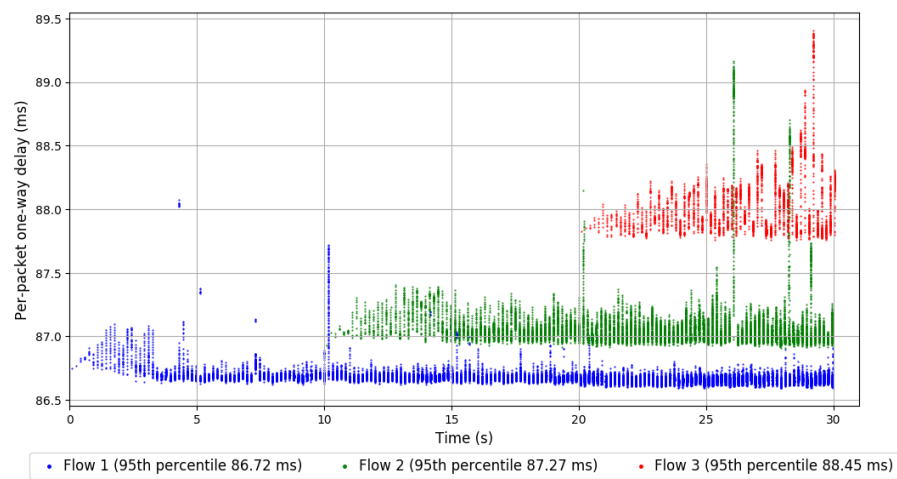
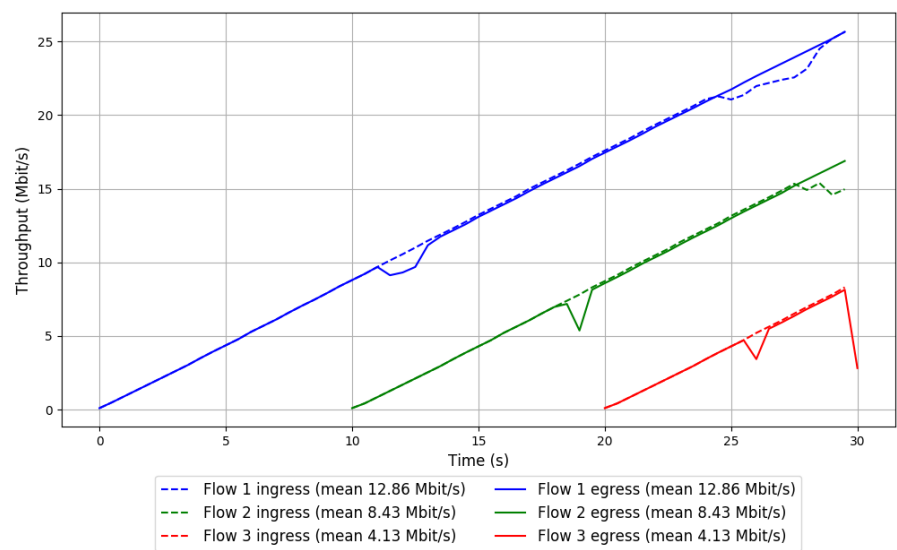


Run 5: Statistics of LEDBAT

Start at: 2017-09-08 02:57:58
End at: 2017-09-08 02:58:28
Local clock offset: 0.212 ms
Remote clock offset: -2.884 ms

Below is generated by plot.py at 2017-09-08 06:23:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 87.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 87.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 88.453 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

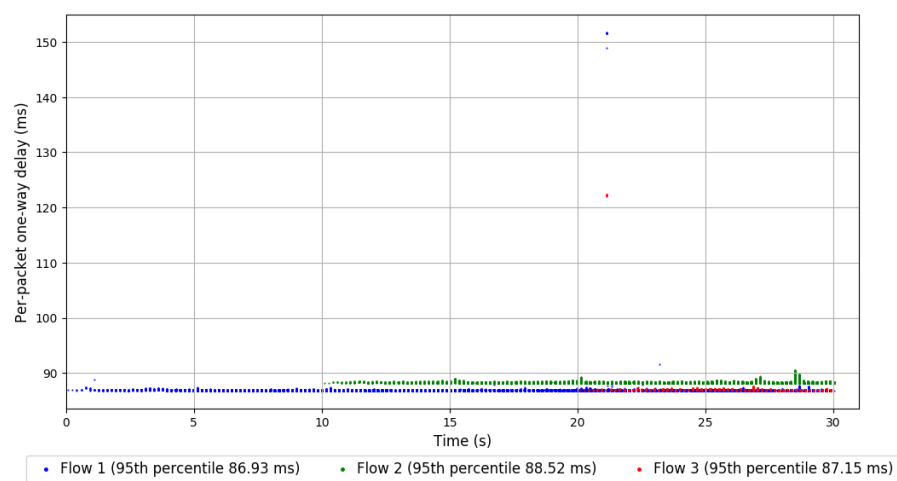
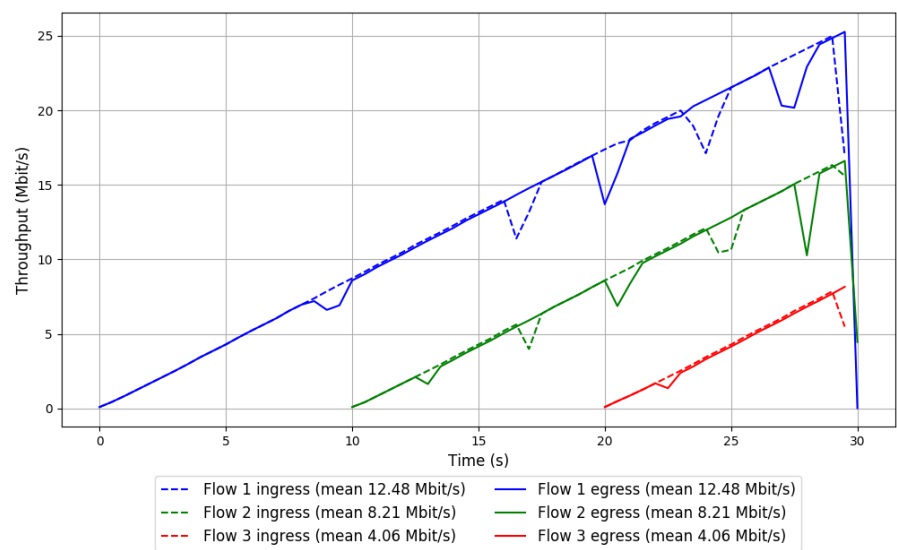


Run 6: Statistics of LEDBAT

Start at: 2017-09-08 03:19:05
End at: 2017-09-08 03:19:35
Local clock offset: 0.18 ms
Remote clock offset: -2.765 ms

Below is generated by plot.py at 2017-09-08 06:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 88.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 86.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 88.516 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 87.154 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

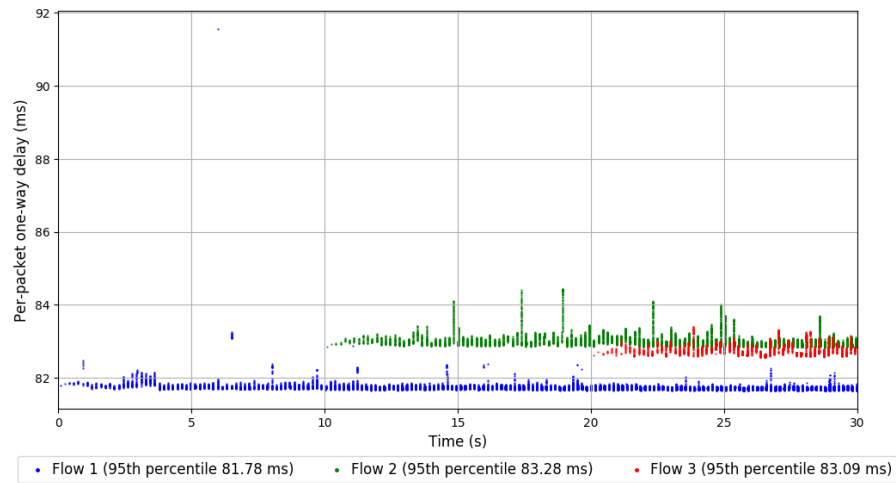
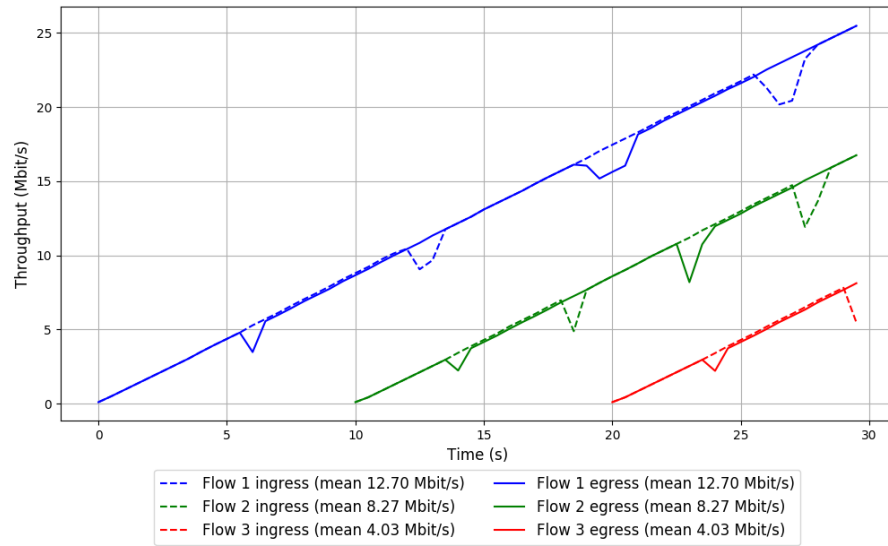


Run 7: Statistics of LEDBAT

Start at: 2017-09-08 03:40:16
End at: 2017-09-08 03:40:46
Local clock offset: 0.25 ms
Remote clock offset: -7.547 ms

Below is generated by plot.py at 2017-09-08 06:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 83.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 81.777 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 83.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 83.092 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

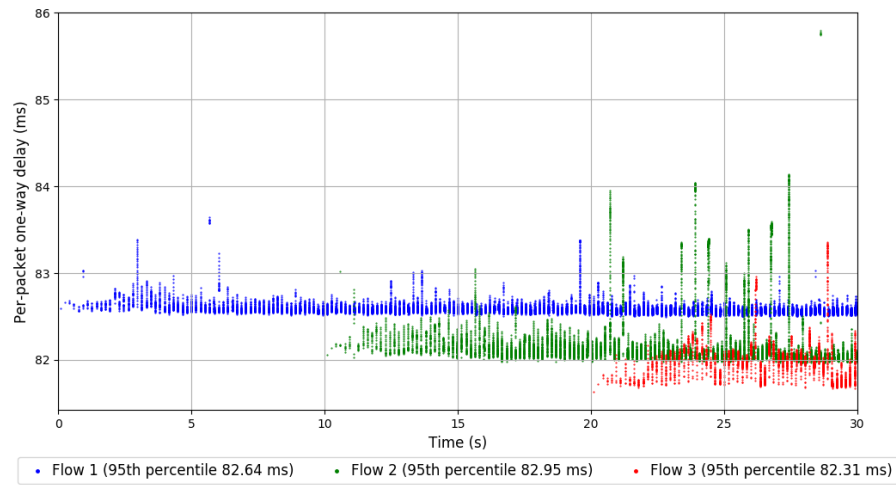
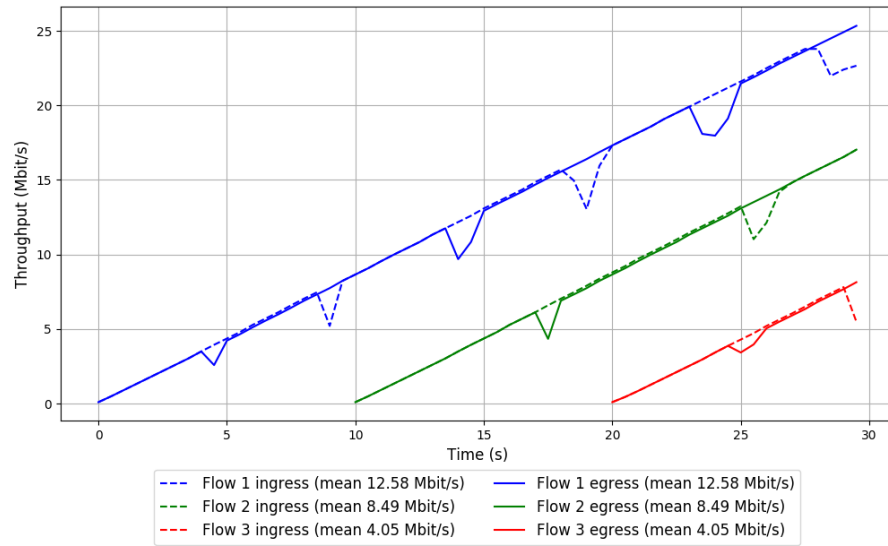


Run 8: Statistics of LEDBAT

Start at: 2017-09-08 04:00:57
End at: 2017-09-08 04:01:27
Local clock offset: 0.26 ms
Remote clock offset: -7.543 ms

Below is generated by plot.py at 2017-09-08 06:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 82.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 82.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 82.950 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 82.305 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

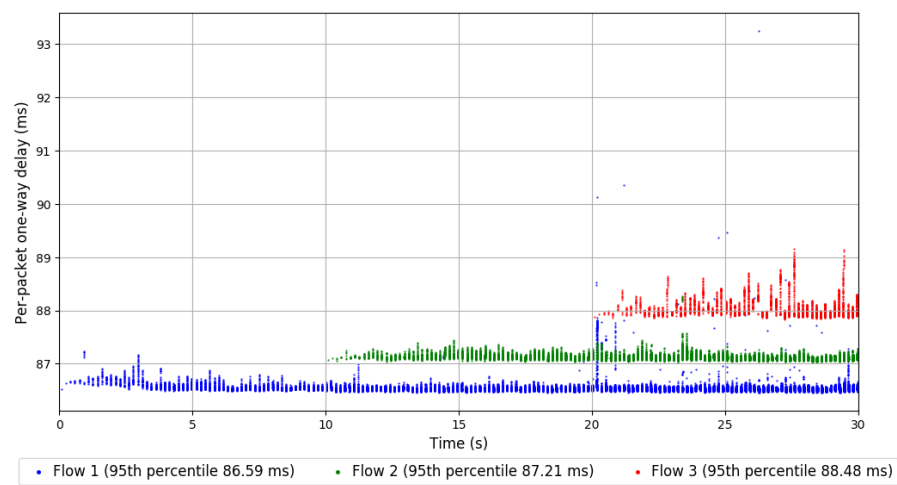
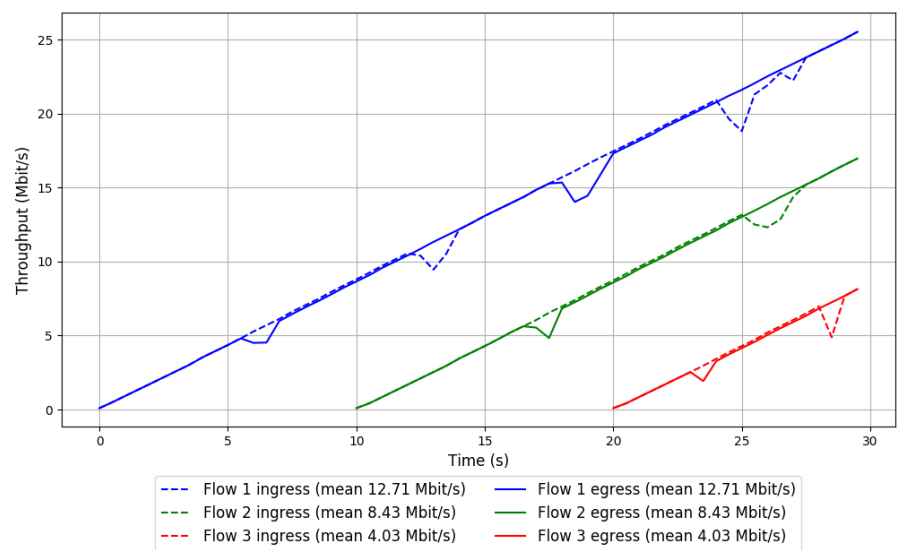


Run 9: Statistics of LEDBAT

Start at: 2017-09-08 04:22:08
End at: 2017-09-08 04:22:38
Local clock offset: 0.188 ms
Remote clock offset: -2.712 ms

Below is generated by plot.py at 2017-09-08 06:23:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 87.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 87.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 88.478 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

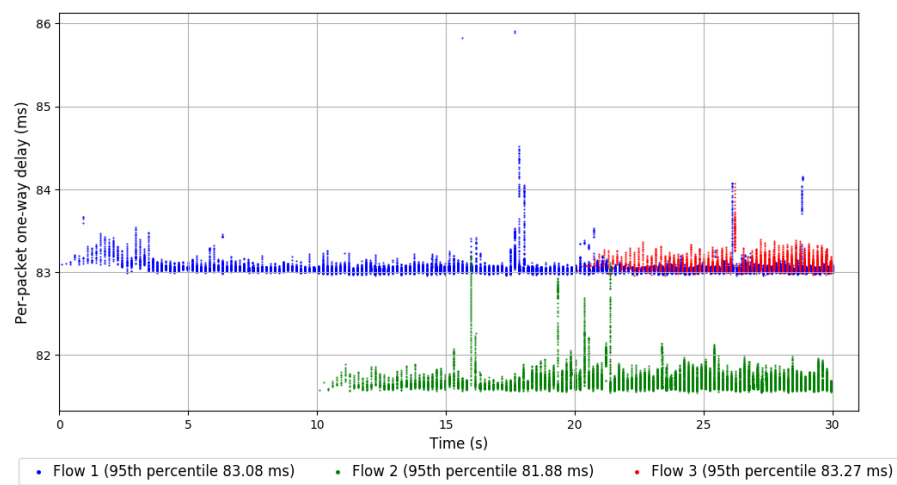
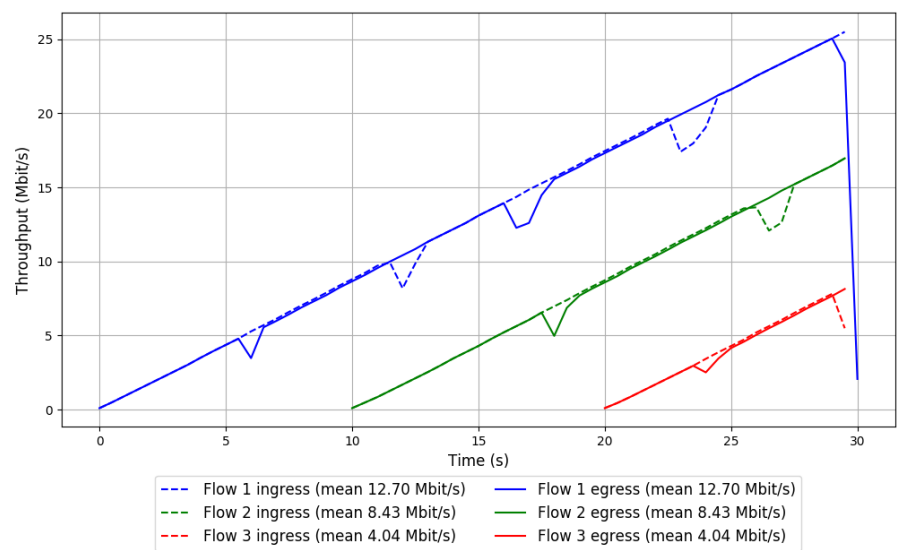


Run 10: Statistics of LEDBAT

Start at: 2017-09-08 04:42:55
End at: 2017-09-08 04:43:25
Local clock offset: 0.188 ms
Remote clock offset: -7.711 ms

Below is generated by plot.py at 2017-09-08 06:23:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 83.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 83.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 81.883 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 83.270 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

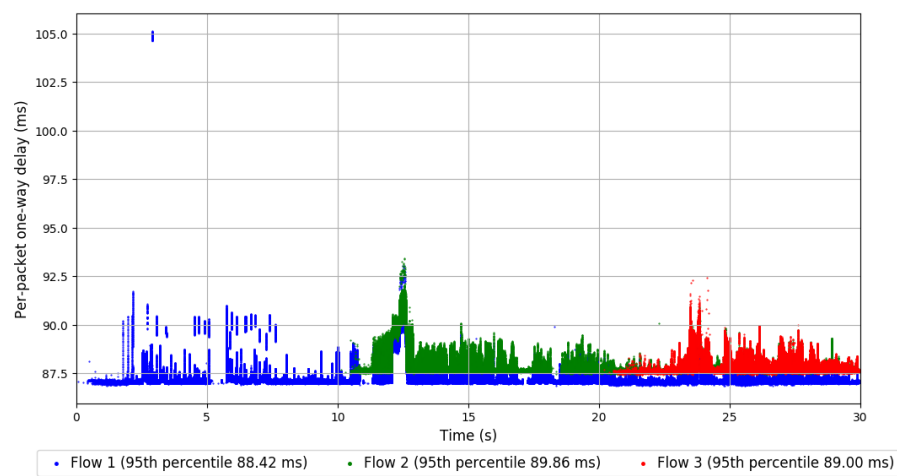
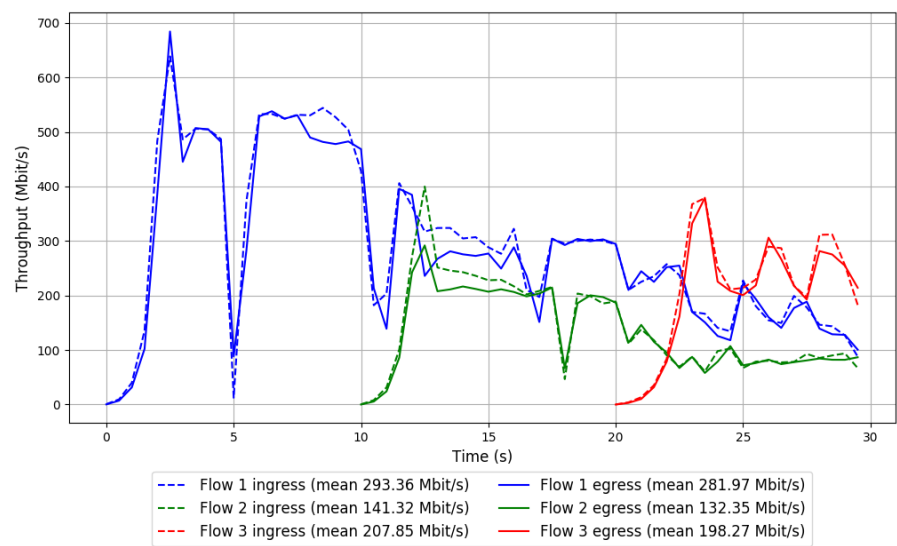


```
Run 1: Statistics of PCC

Start at: 2017-09-08 01:41:14
End at: 2017-09-08 01:41:44
Local clock offset: 0.095 ms
Remote clock offset: -3.083 ms

# Below is generated by plot.py at 2017-09-08 06:24:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 434.36 Mbit/s
95th percentile per-packet one-way delay: 88.805 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 281.97 Mbit/s
95th percentile per-packet one-way delay: 88.423 ms
Loss rate: 3.93%
-- Flow 2:
Average throughput: 132.35 Mbit/s
95th percentile per-packet one-way delay: 89.862 ms
Loss rate: 6.35%
-- Flow 3:
Average throughput: 198.27 Mbit/s
95th percentile per-packet one-way delay: 89.005 ms
Loss rate: 4.61%
```

Run 1: Report of PCC — Data Link

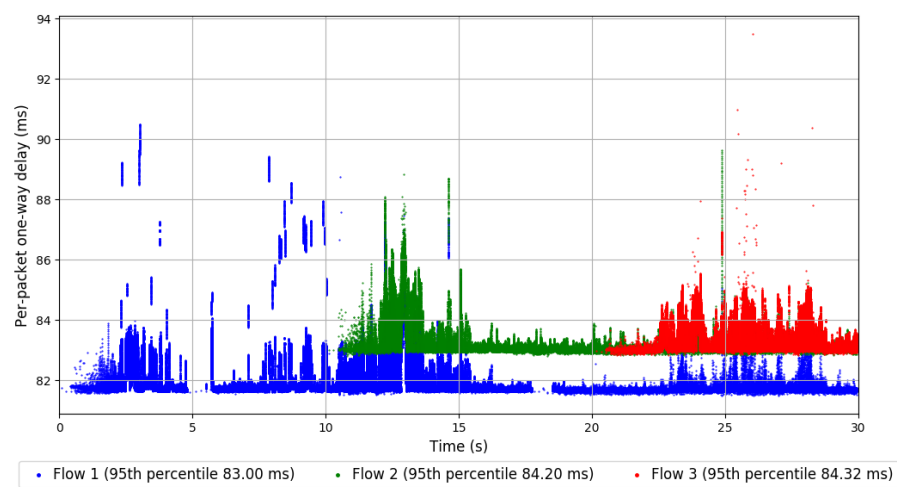
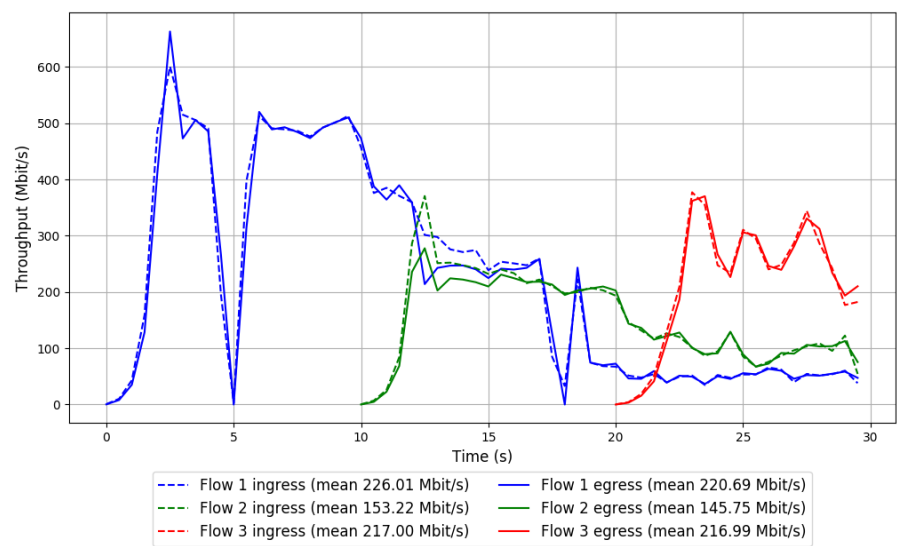


Run 2: Statistics of PCC

Start at: 2017-09-08 02:01:59
End at: 2017-09-08 02:02:29
Local clock offset: 0.096 ms
Remote clock offset: -8.243 ms

Below is generated by plot.py at 2017-09-08 06:24:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.34 Mbit/s
95th percentile per-packet one-way delay: 83.825 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 220.69 Mbit/s
95th percentile per-packet one-way delay: 83.005 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 145.75 Mbit/s
95th percentile per-packet one-way delay: 84.203 ms
Loss rate: 4.89%
-- Flow 3:
Average throughput: 216.99 Mbit/s
95th percentile per-packet one-way delay: 84.323 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link

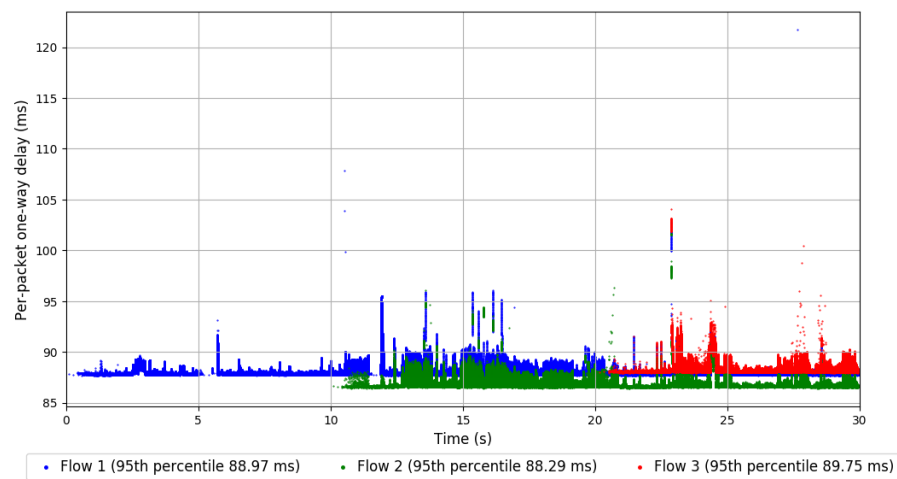
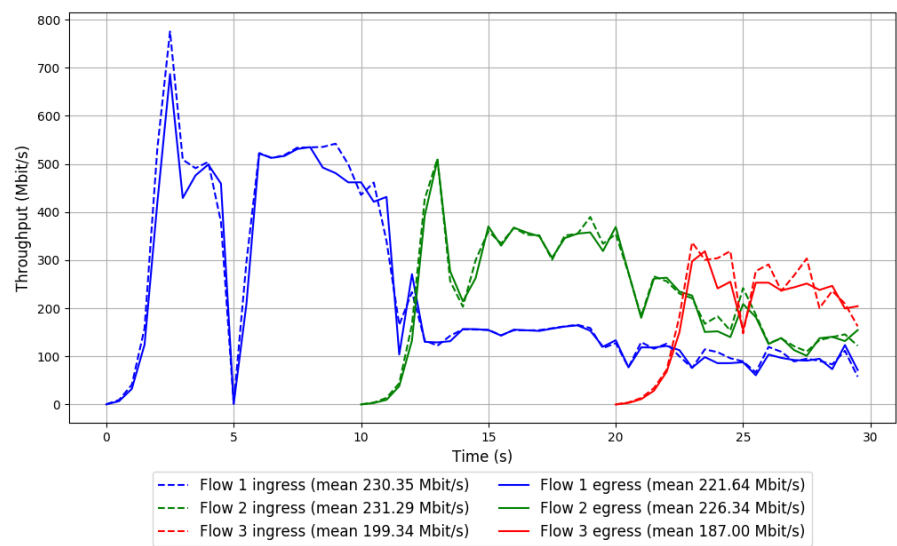


Run 3: Statistics of PCC

Start at: 2017-09-08 02:22:47
End at: 2017-09-08 02:23:17
Local clock offset: 0.139 ms
Remote clock offset: -3.325 ms

Below is generated by plot.py at 2017-09-08 06:25:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 433.33 Mbit/s
95th percentile per-packet one-way delay: 88.916 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 221.64 Mbit/s
95th percentile per-packet one-way delay: 88.971 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 226.34 Mbit/s
95th percentile per-packet one-way delay: 88.287 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 187.00 Mbit/s
95th percentile per-packet one-way delay: 89.752 ms
Loss rate: 6.26%

Run 3: Report of PCC — Data Link

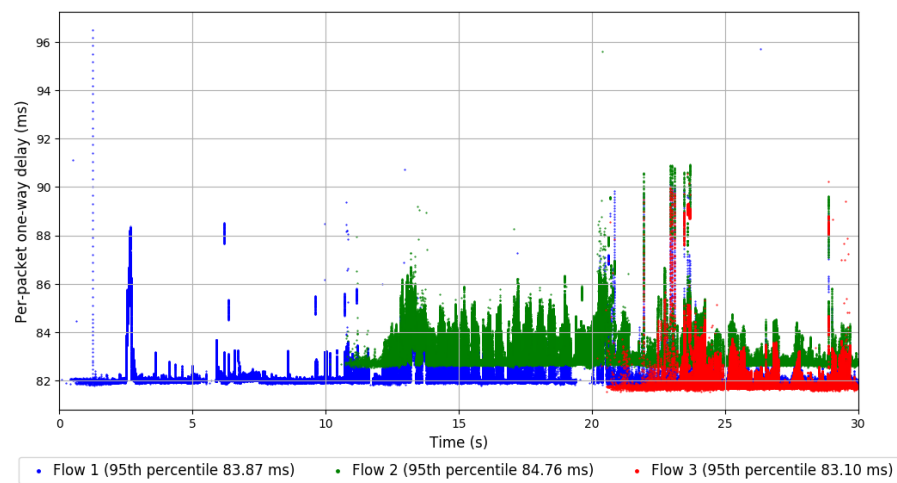
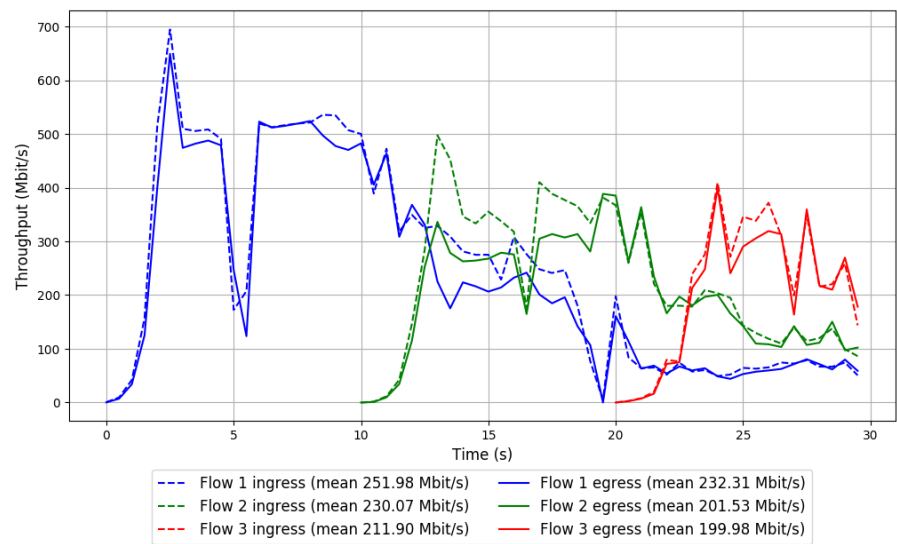


Run 4: Statistics of PCC

Start at: 2017-09-08 02:43:40
End at: 2017-09-08 02:44:10
Local clock offset: 0.188 ms
Remote clock offset: -8.116 ms

Below is generated by plot.py at 2017-09-08 06:25:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.27 Mbit/s
95th percentile per-packet one-way delay: 84.353 ms
Loss rate: 8.97%
-- Flow 1:
Average throughput: 232.31 Mbit/s
95th percentile per-packet one-way delay: 83.871 ms
Loss rate: 7.81%
-- Flow 2:
Average throughput: 201.53 Mbit/s
95th percentile per-packet one-way delay: 84.762 ms
Loss rate: 12.40%
-- Flow 3:
Average throughput: 199.98 Mbit/s
95th percentile per-packet one-way delay: 83.100 ms
Loss rate: 5.64%

Run 4: Report of PCC — Data Link

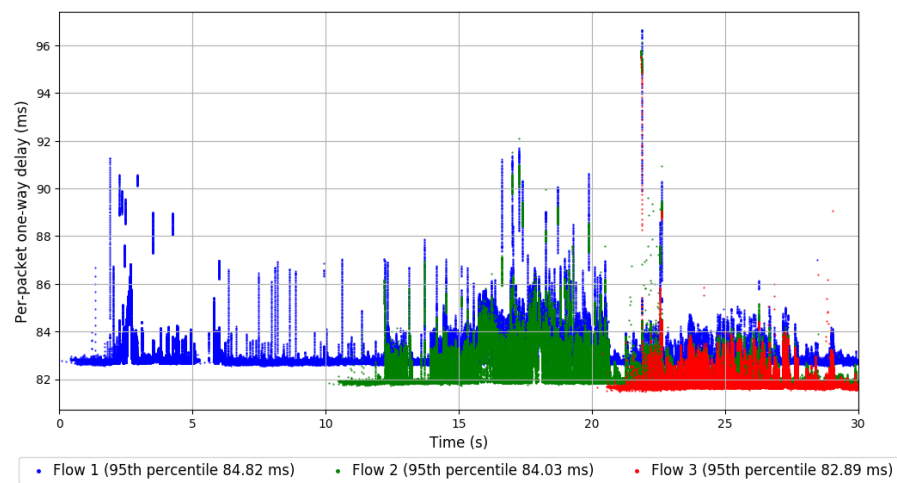
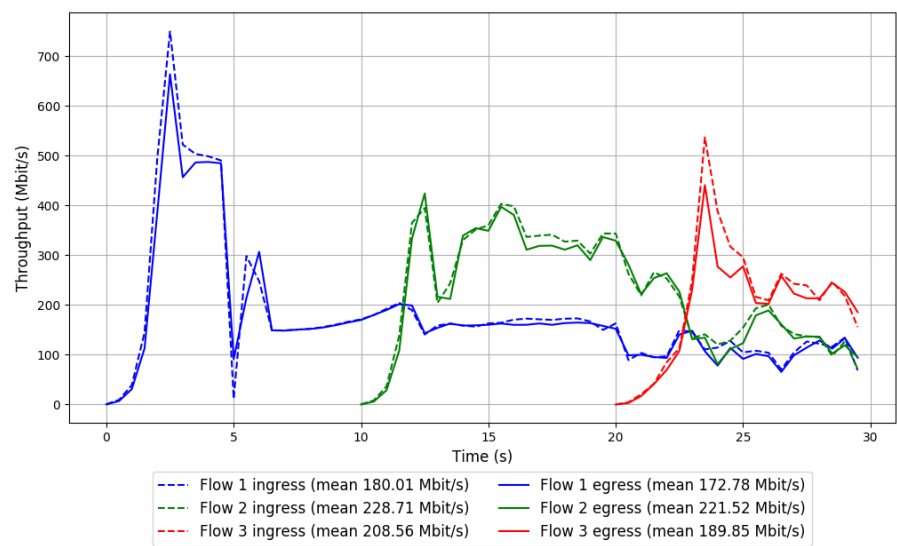


Run 5: Statistics of PCC

Start at: 2017-09-08 03:04:44
End at: 2017-09-08 03:05:14
Local clock offset: 0.163 ms
Remote clock offset: -7.958 ms

Below is generated by plot.py at 2017-09-08 06:26:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.61 Mbit/s
95th percentile per-packet one-way delay: 84.204 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 172.78 Mbit/s
95th percentile per-packet one-way delay: 84.817 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 221.52 Mbit/s
95th percentile per-packet one-way delay: 84.030 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 189.85 Mbit/s
95th percentile per-packet one-way delay: 82.893 ms
Loss rate: 8.97%

Run 5: Report of PCC — Data Link

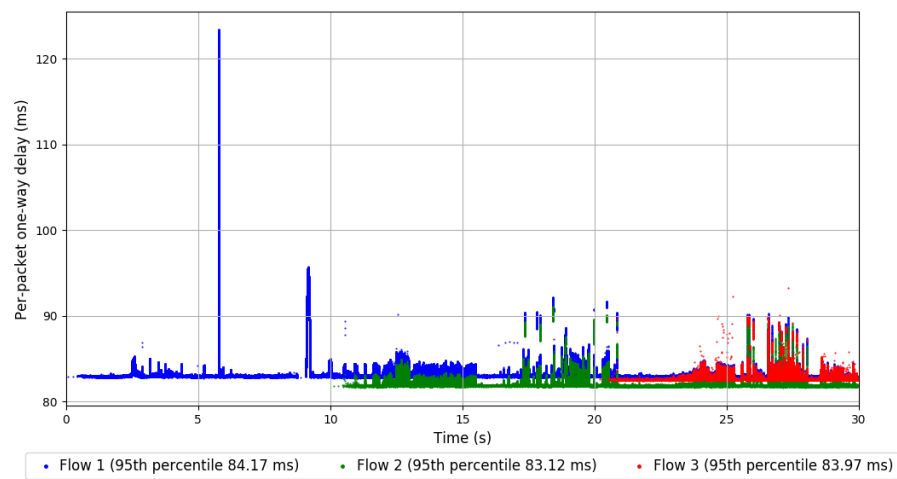
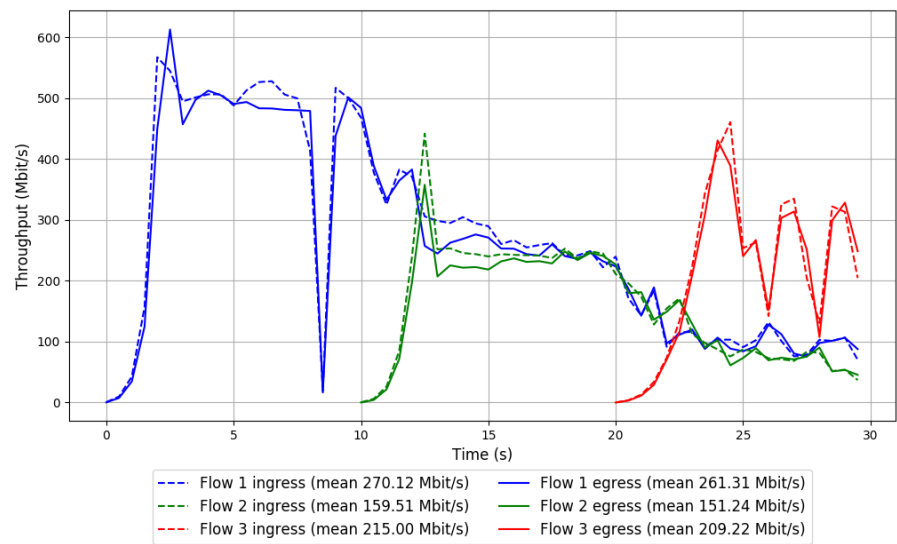


Run 6: Statistics of PCC

Start at: 2017-09-08 03:25:43
End at: 2017-09-08 03:26:13
Local clock offset: 0.271 ms
Remote clock offset: -7.673 ms

Below is generated by plot.py at 2017-09-08 06:26:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.92 Mbit/s
95th percentile per-packet one-way delay: 83.968 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 261.31 Mbit/s
95th percentile per-packet one-way delay: 84.170 ms
Loss rate: 3.26%
-- Flow 2:
Average throughput: 151.24 Mbit/s
95th percentile per-packet one-way delay: 83.121 ms
Loss rate: 5.19%
-- Flow 3:
Average throughput: 209.22 Mbit/s
95th percentile per-packet one-way delay: 83.969 ms
Loss rate: 2.76%

Run 6: Report of PCC — Data Link

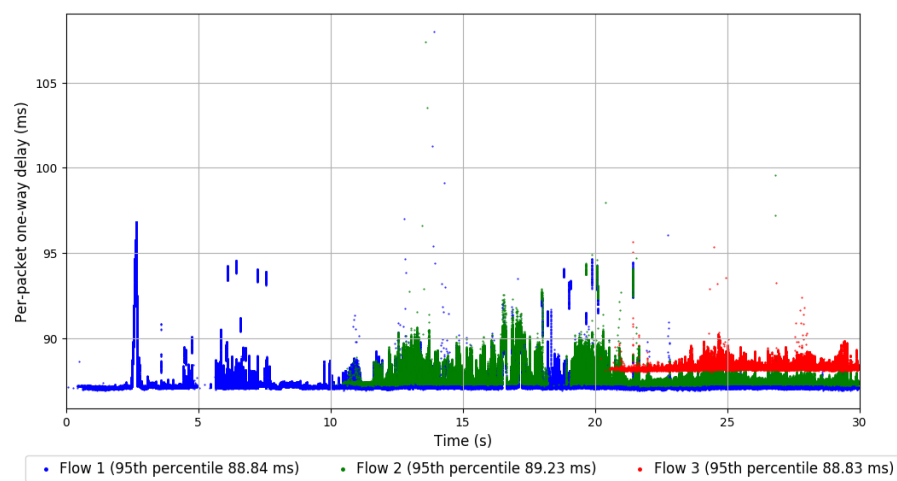
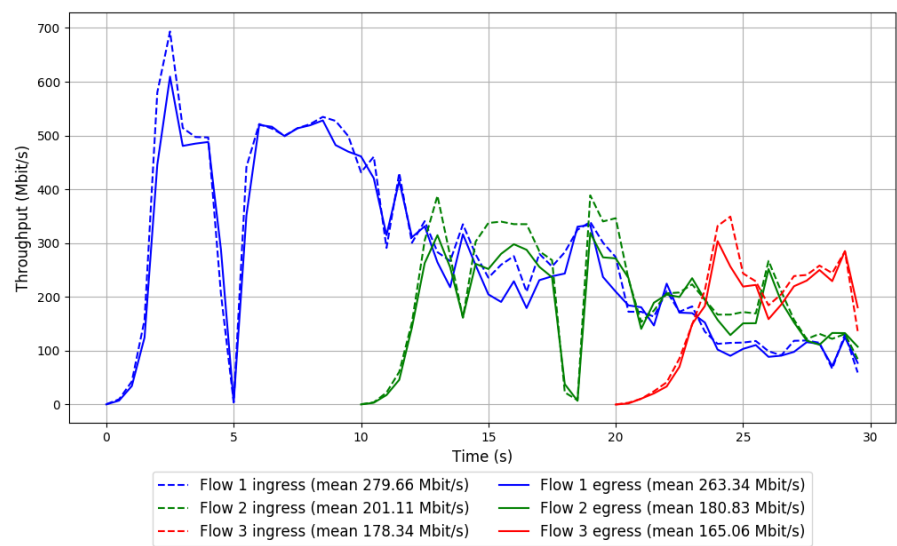


Run 7: Statistics of PCC

Start at: 2017-09-08 03:46:56
End at: 2017-09-08 03:47:26
Local clock offset: 0.196 ms
Remote clock offset: -2.512 ms

Below is generated by plot.py at 2017-09-08 06:27:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.22 Mbit/s
95th percentile per-packet one-way delay: 88.990 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 263.34 Mbit/s
95th percentile per-packet one-way delay: 88.840 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 180.83 Mbit/s
95th percentile per-packet one-way delay: 89.228 ms
Loss rate: 10.08%
-- Flow 3:
Average throughput: 165.06 Mbit/s
95th percentile per-packet one-way delay: 88.828 ms
Loss rate: 7.52%

Run 7: Report of PCC — Data Link

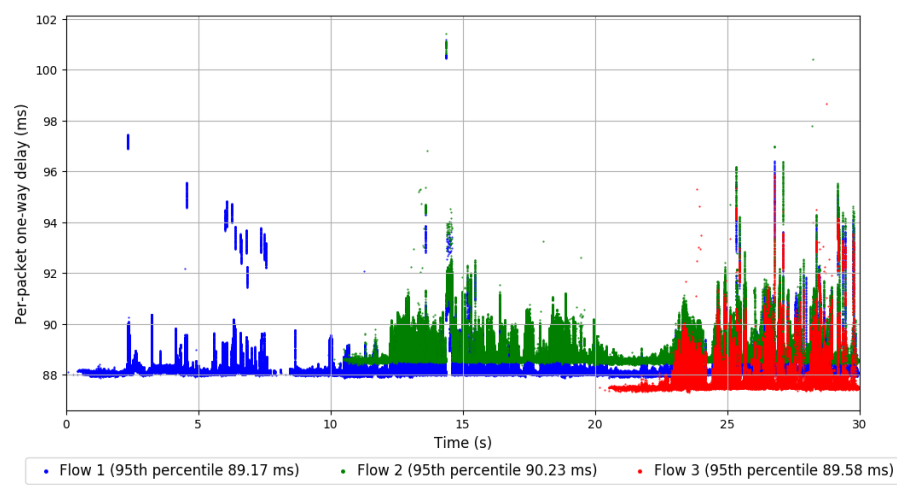
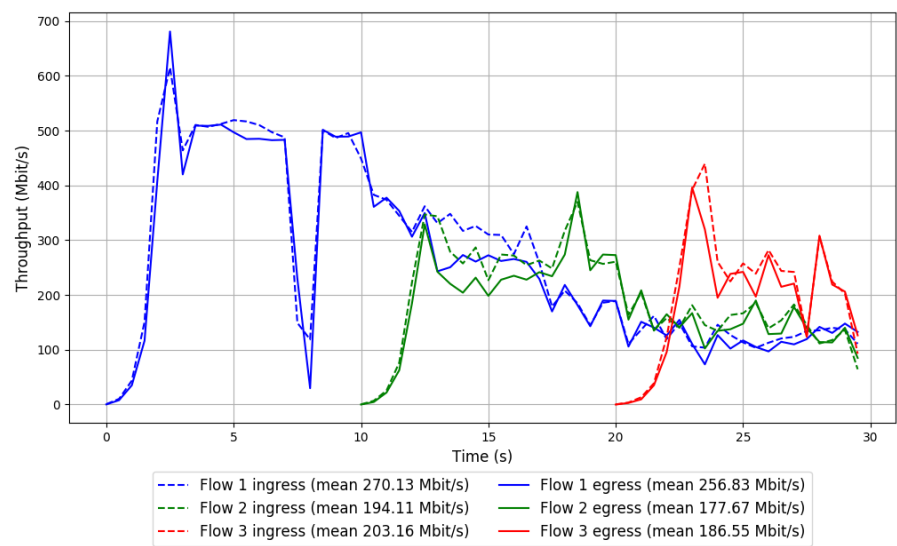


Run 8: Statistics of PCC

Start at: 2017-09-08 04:07:35
End at: 2017-09-08 04:08:05
Local clock offset: 0.224 ms
Remote clock offset: -2.469 ms

Below is generated by plot.py at 2017-09-08 06:27:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.57 Mbit/s
95th percentile per-packet one-way delay: 89.693 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 256.83 Mbit/s
95th percentile per-packet one-way delay: 89.172 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 177.67 Mbit/s
95th percentile per-packet one-way delay: 90.229 ms
Loss rate: 8.47%
-- Flow 3:
Average throughput: 186.55 Mbit/s
95th percentile per-packet one-way delay: 89.579 ms
Loss rate: 8.17%

Run 8: Report of PCC — Data Link

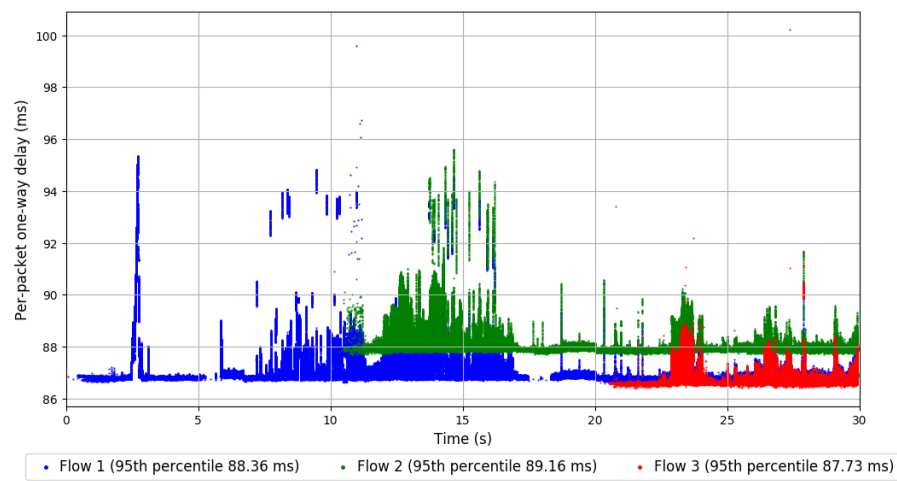
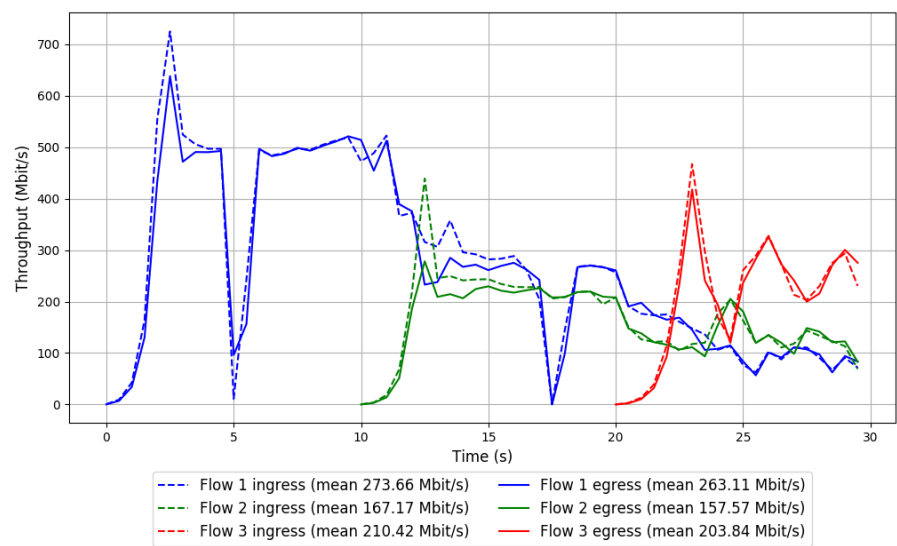


Run 9: Statistics of PCC

Start at: 2017-09-08 04:28:52
End at: 2017-09-08 04:29:22
Local clock offset: 0.177 ms
Remote clock offset: -2.789 ms

Below is generated by plot.py at 2017-09-08 06:28:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.06 Mbit/s
95th percentile per-packet one-way delay: 88.491 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 263.11 Mbit/s
95th percentile per-packet one-way delay: 88.365 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 157.57 Mbit/s
95th percentile per-packet one-way delay: 89.158 ms
Loss rate: 5.76%
-- Flow 3:
Average throughput: 203.84 Mbit/s
95th percentile per-packet one-way delay: 87.729 ms
Loss rate: 3.13%

Run 9: Report of PCC — Data Link

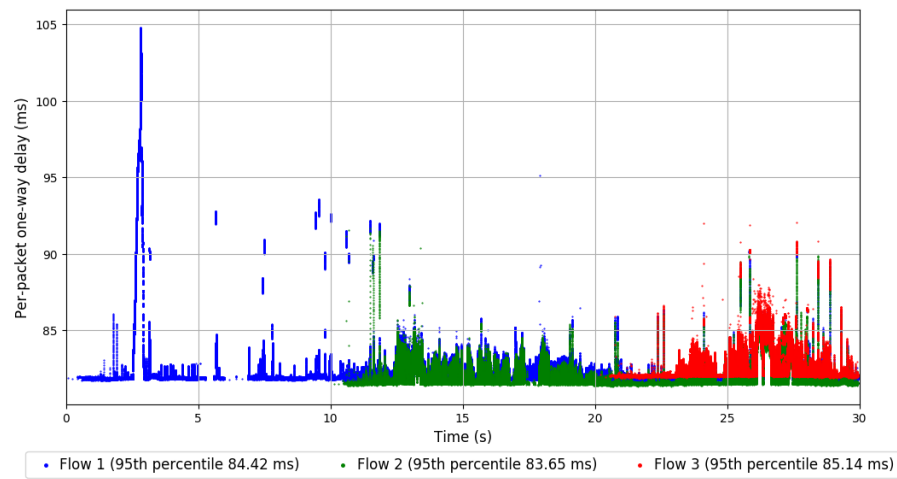
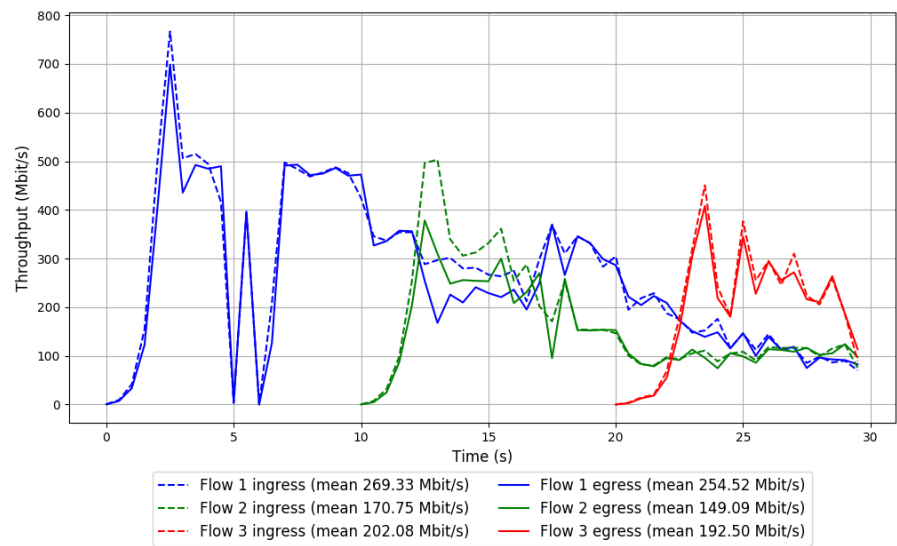


Run 10: Statistics of PCC

Start at: 2017-09-08 04:49:35
End at: 2017-09-08 04:50:05
Local clock offset: 0.175 ms
Remote clock offset: -7.797 ms

Below is generated by plot.py at 2017-09-08 06:28:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.05 Mbit/s
95th percentile per-packet one-way delay: 84.390 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 254.52 Mbit/s
95th percentile per-packet one-way delay: 84.423 ms
Loss rate: 5.51%
-- Flow 2:
Average throughput: 149.09 Mbit/s
95th percentile per-packet one-way delay: 83.647 ms
Loss rate: 12.69%
-- Flow 3:
Average throughput: 192.50 Mbit/s
95th percentile per-packet one-way delay: 85.135 ms
Loss rate: 4.74%

Run 10: Report of PCC — Data Link

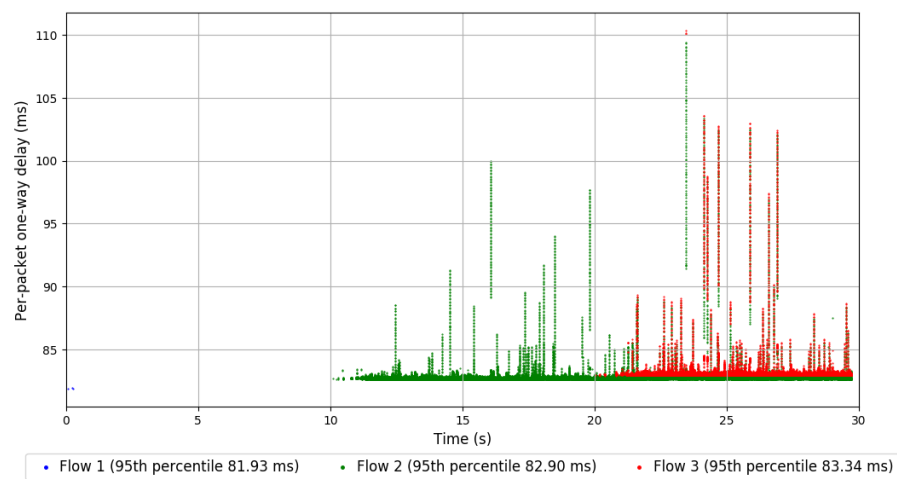
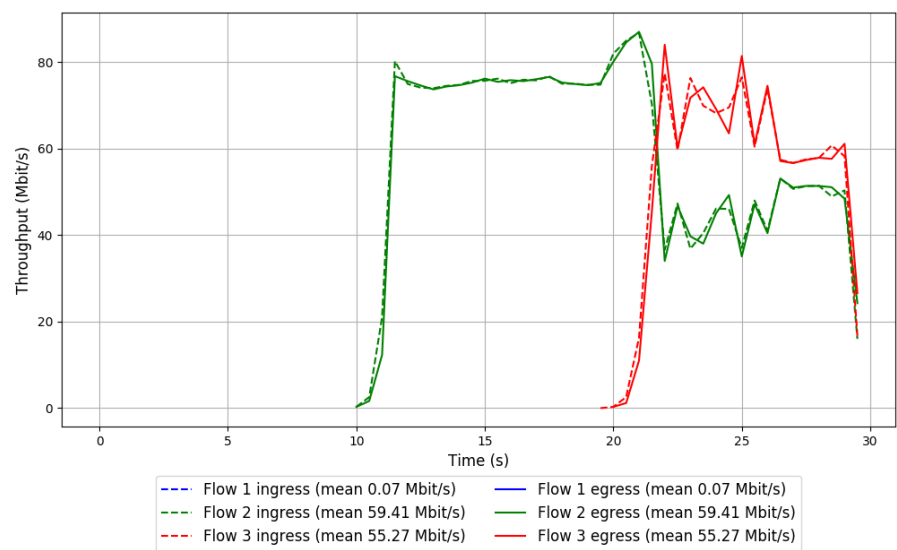


Run 1: Statistics of QUIC Cubic

Start at: 2017-09-08 01:31:51
End at: 2017-09-08 01:32:22
Local clock offset: 0.101 ms
Remote clock offset: -7.775 ms

Below is generated by plot.py at 2017-09-08 06:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 83.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 81.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 82.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 83.343 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

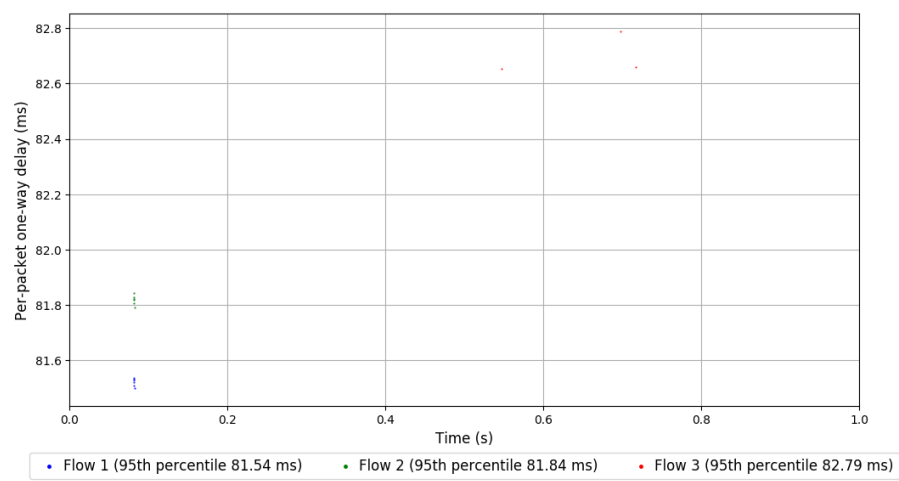
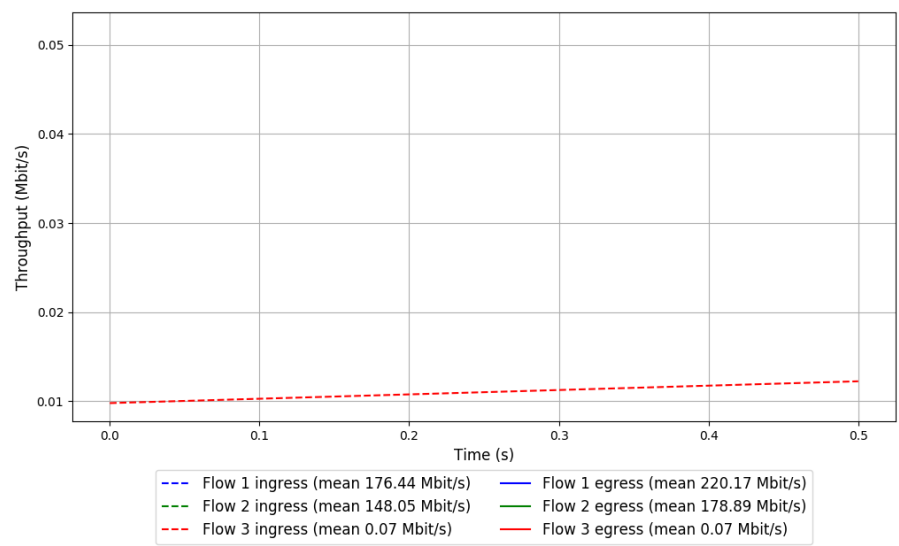
Start at: 2017-09-08 01:52:43

End at: 2017-09-08 01:53:13

Local clock offset: 0.079 ms

Remote clock offset: -8.221 ms

Run 2: Report of QUIC Cubic — Data Link

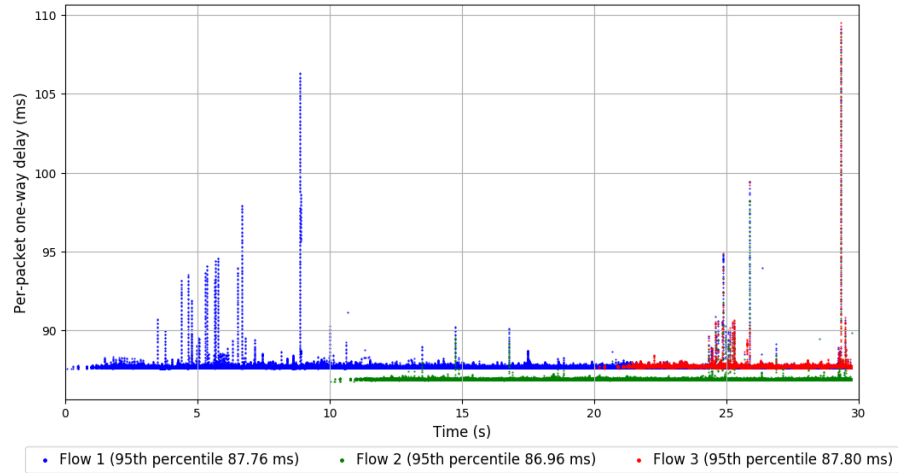
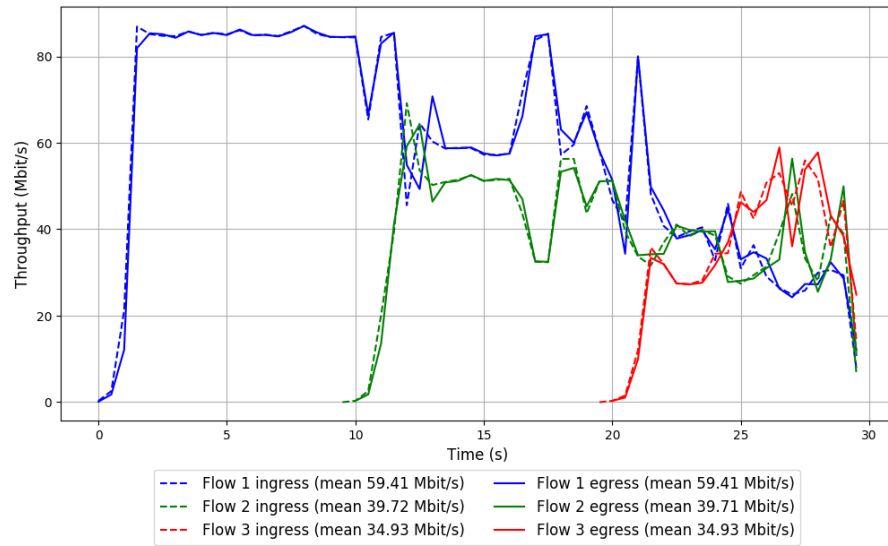


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-08 02:13:19
End at: 2017-09-08 02:13:49
Local clock offset: 0.062 ms
Remote clock offset: -3.378 ms

Below is generated by plot.py at 2017-09-08 06:28:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 87.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 87.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 86.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 87.798 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

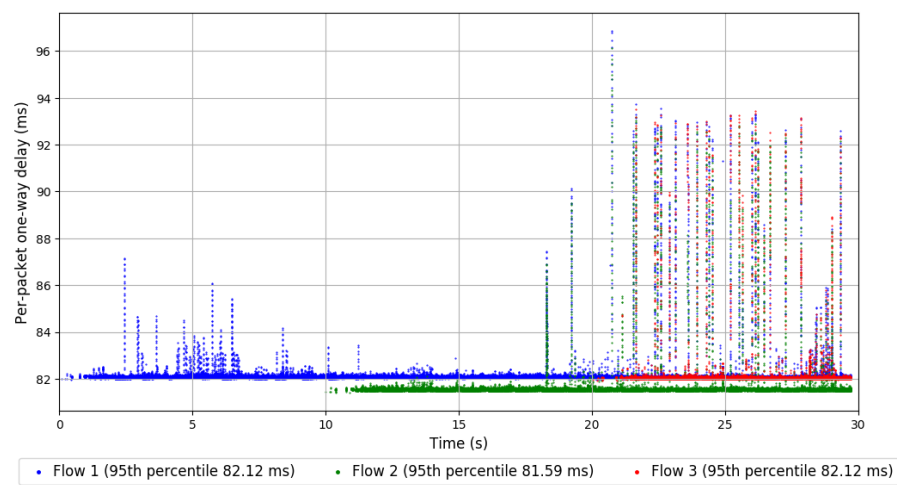
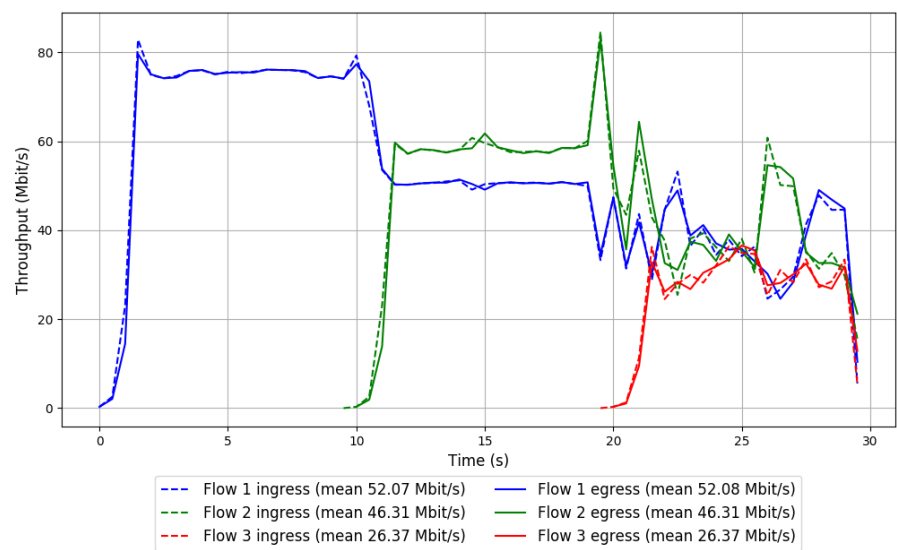


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-08 02:34:11
End at: 2017-09-08 02:34:41
Local clock offset: 0.192 ms
Remote clock offset: -8.364 ms

Below is generated by plot.py at 2017-09-08 06:28:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 82.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 82.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 81.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 82.122 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

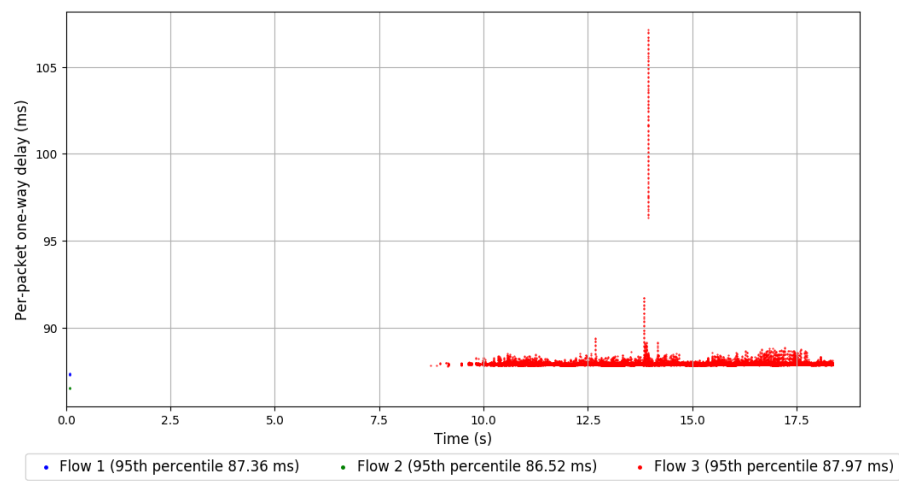
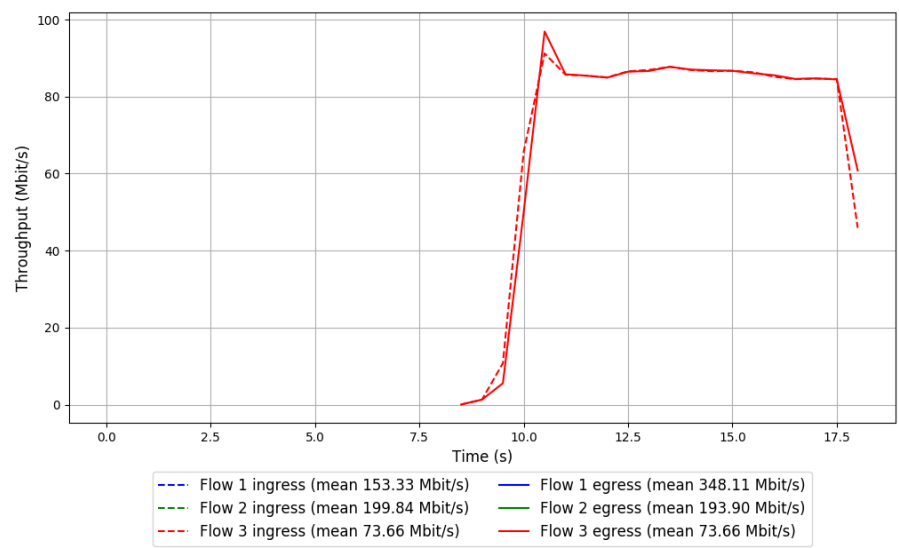
Start at: 2017-09-08 02:55:13

End at: 2017-09-08 02:55:43

Local clock offset: 0.203 ms

Remote clock offset: -3.064 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

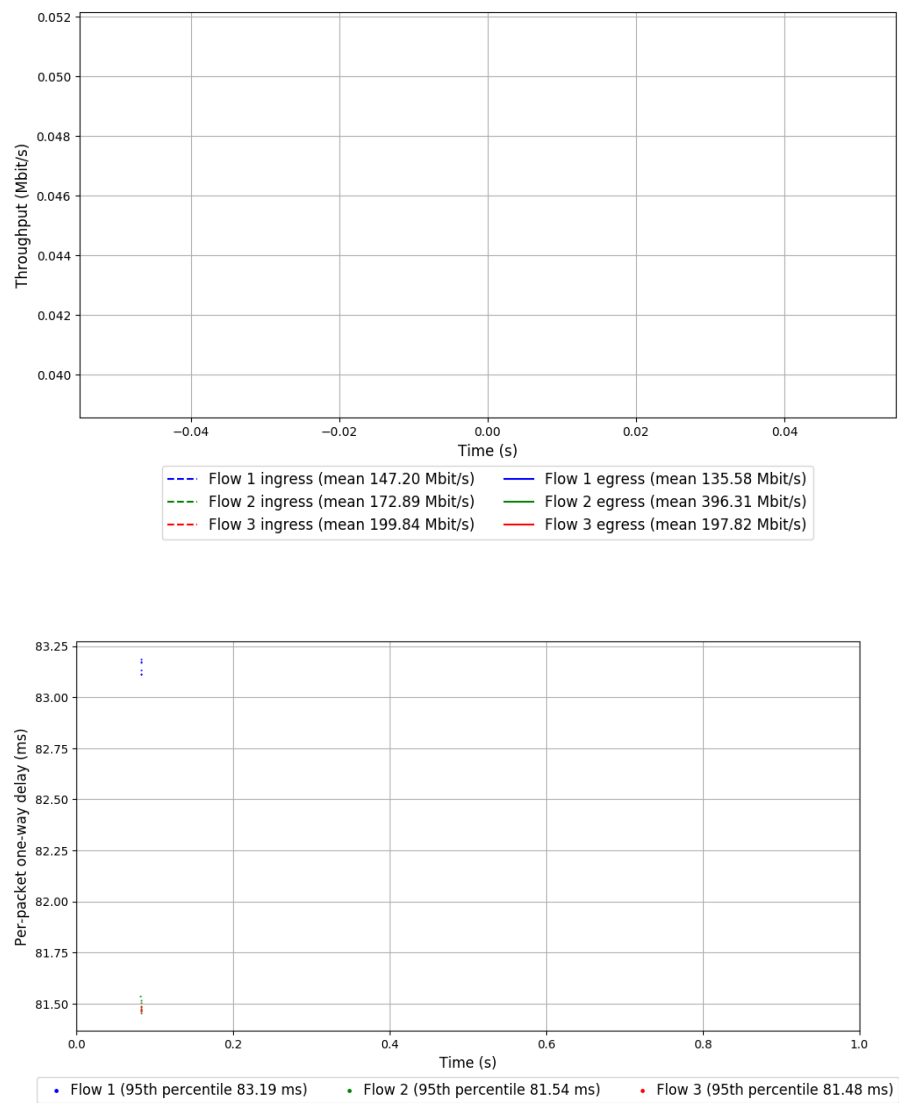
Start at: 2017-09-08 03:16:26

End at: 2017-09-08 03:16:56

Local clock offset: 0.279 ms

Remote clock offset: -7.786 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

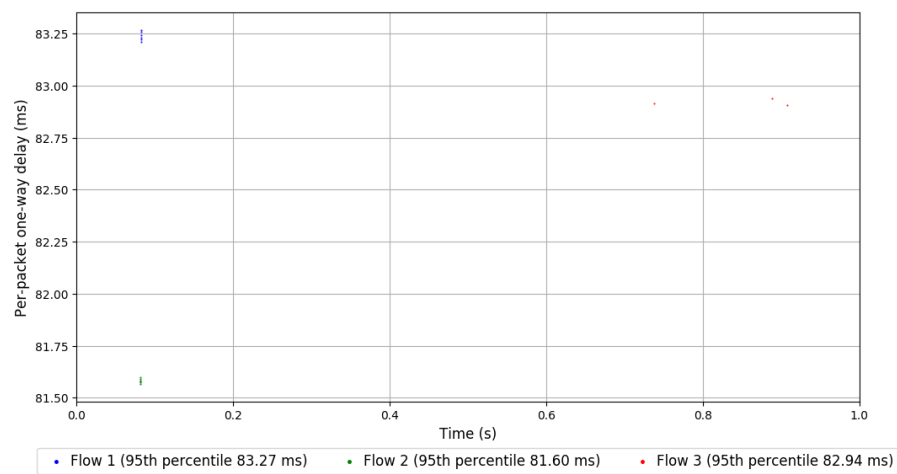
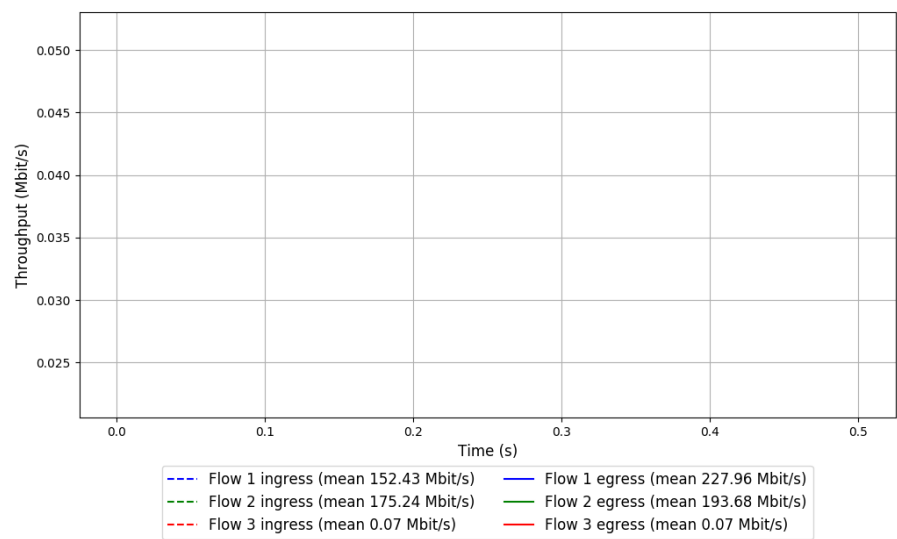
Start at: 2017-09-08 03:37:39

End at: 2017-09-08 03:38:09

Local clock offset: 0.162 ms

Remote clock offset: -7.582 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

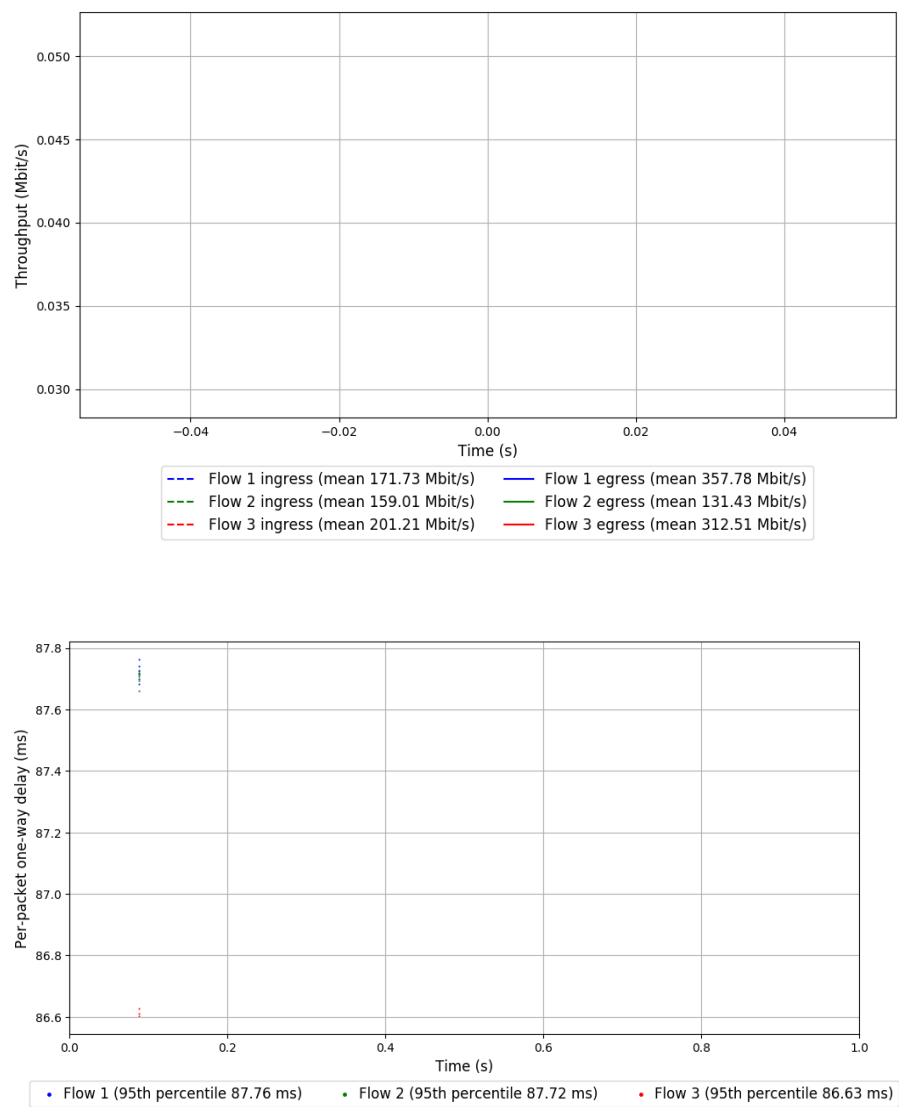
Start at: 2017-09-08 03:58:17

End at: 2017-09-08 03:58:47

Local clock offset: 0.234 ms

Remote clock offset: -2.397 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

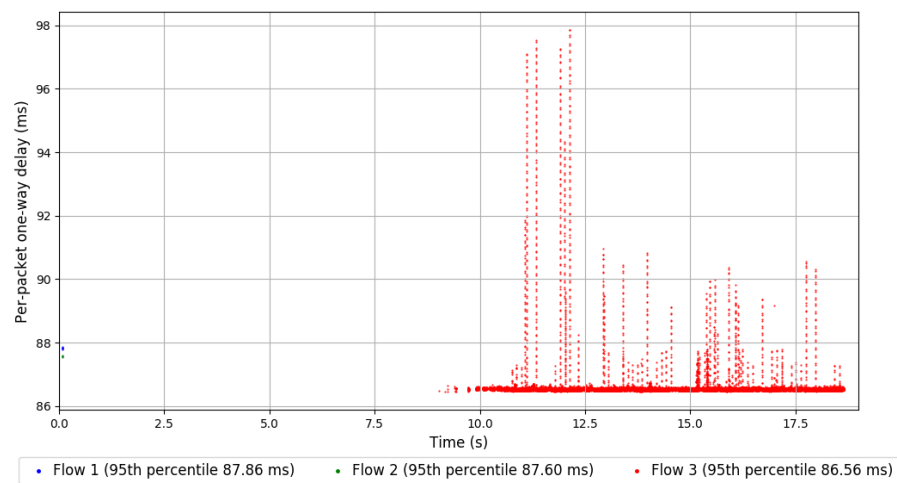
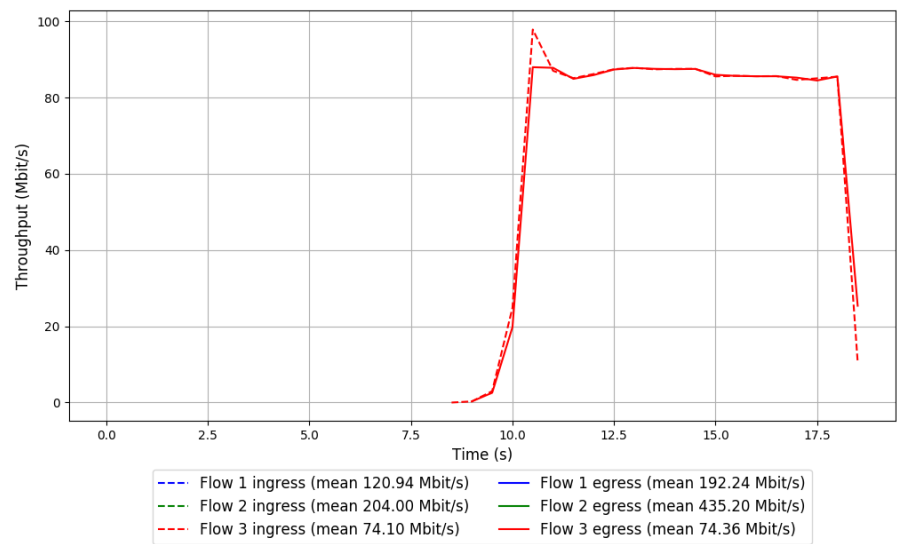
Start at: 2017-09-08 04:19:22

End at: 2017-09-08 04:19:52

Local clock offset: 0.209 ms

Remote clock offset: -2.691 ms

Run 9: Report of QUIC Cubic — Data Link

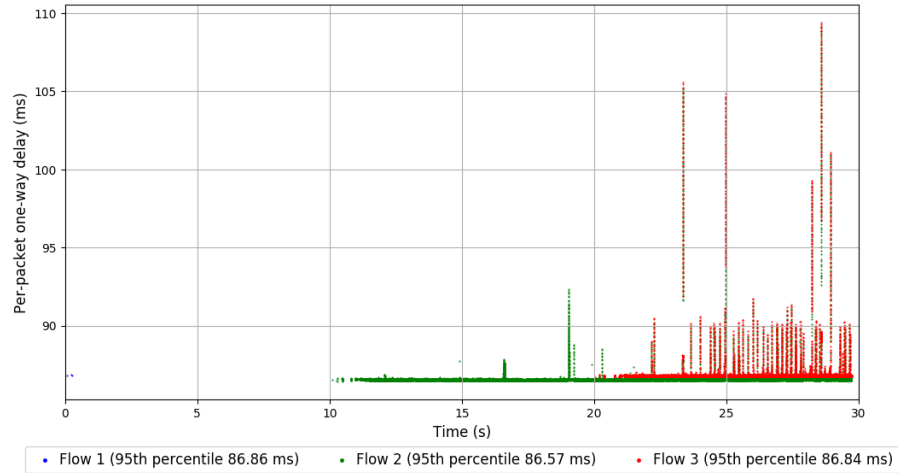
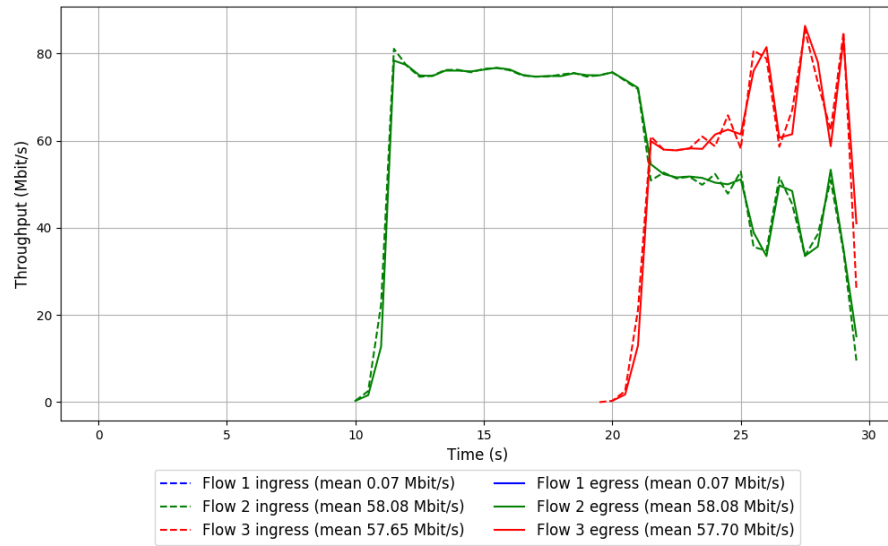


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-08 04:40:11
End at: 2017-09-08 04:40:41
Local clock offset: 0.168 ms
Remote clock offset: -2.864 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 86.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 86.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 86.843 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

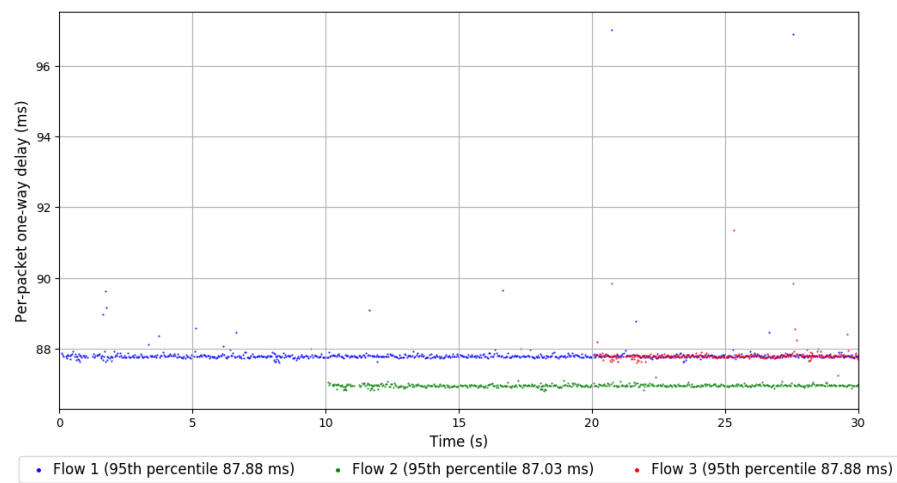
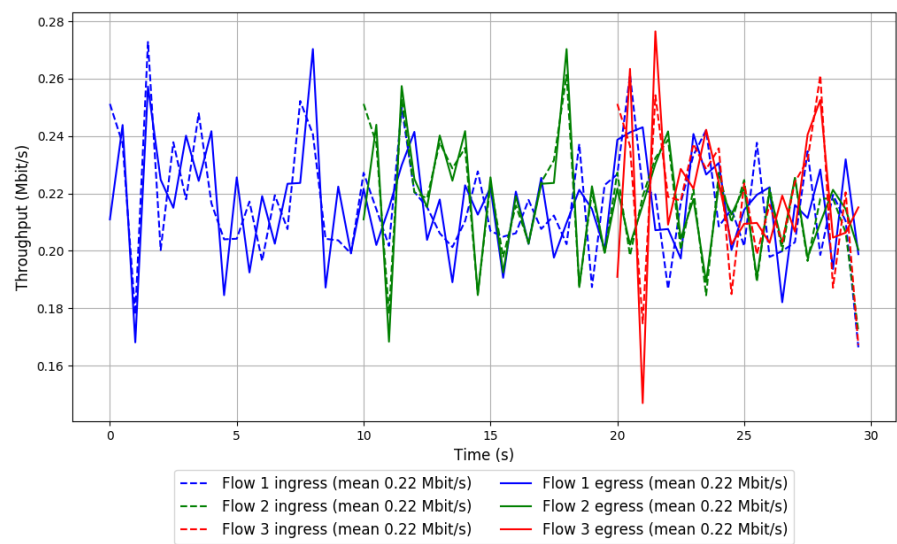


Run 1: Statistics of SReAM

Start at: 2017-09-08 01:38:17
End at: 2017-09-08 01:38:47
Local clock offset: 0.008 ms
Remote clock offset: -3.001 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.877 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

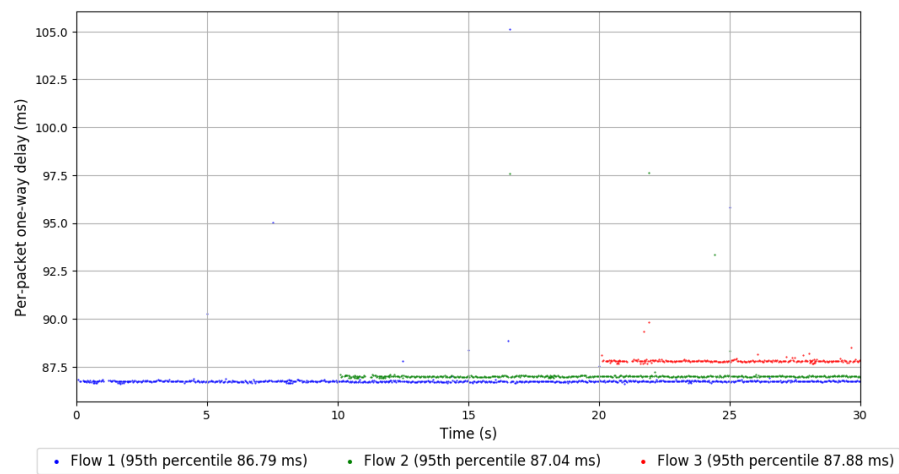
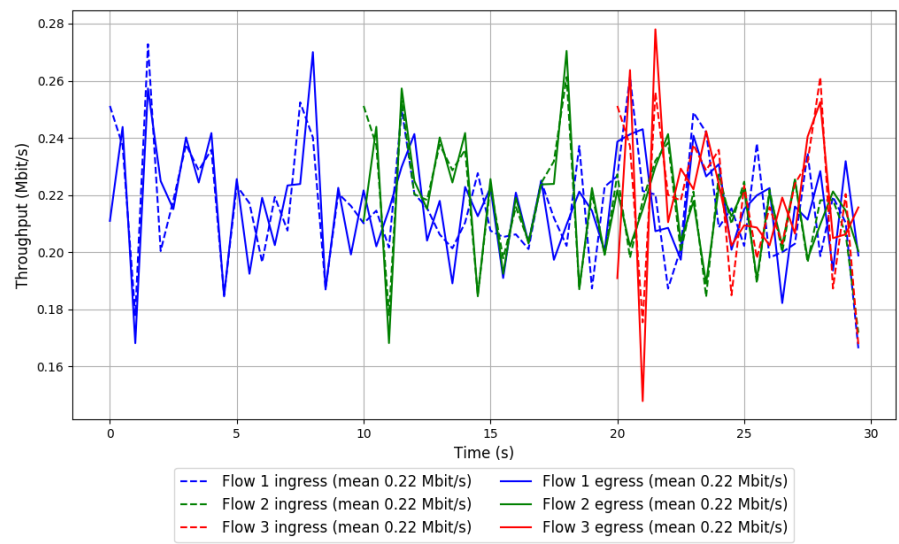


```
Run 2: Statistics of SCReAM

Start at: 2017-09-08 01:59:06
End at: 2017-09-08 01:59:36
Local clock offset: 0.084 ms
Remote clock offset: -3.445 ms

# Below is generated by plot.py at 2017-09-08 06:28:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.880 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

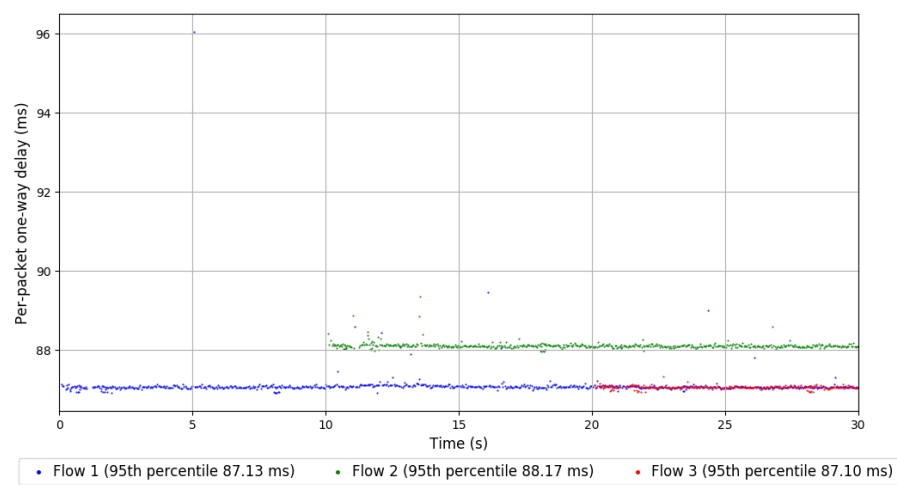
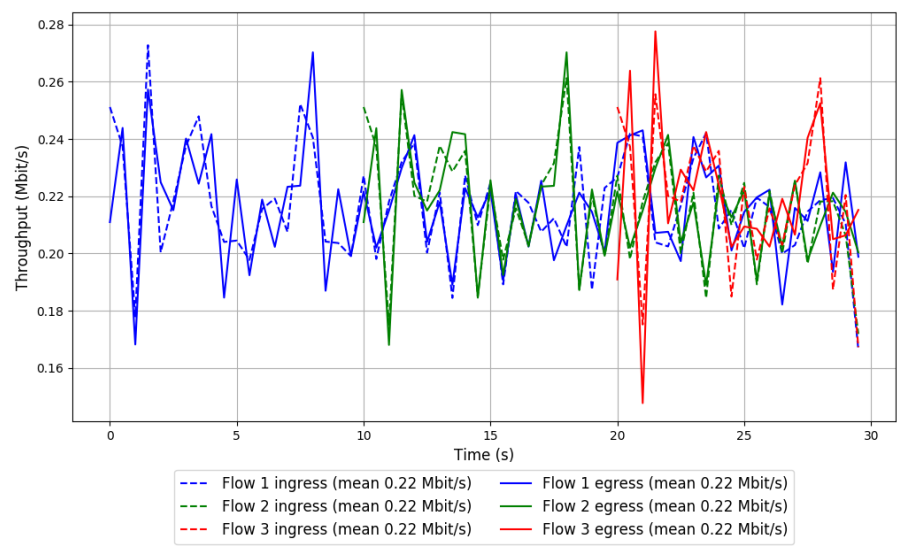


Run 3: Statistics of SReAM

Start at: 2017-09-08 02:19:49
End at: 2017-09-08 02:20:20
Local clock offset: 0.142 ms
Remote clock offset: -3.541 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.099 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-09-08 02:40:46

End at: 2017-09-08 02:41:16

Local clock offset: 0.133 ms

Remote clock offset: -8.16 ms

Below is generated by plot.py at 2017-09-08 06:28:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 83.270 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.302 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.212 ms

Loss rate: 0.00%

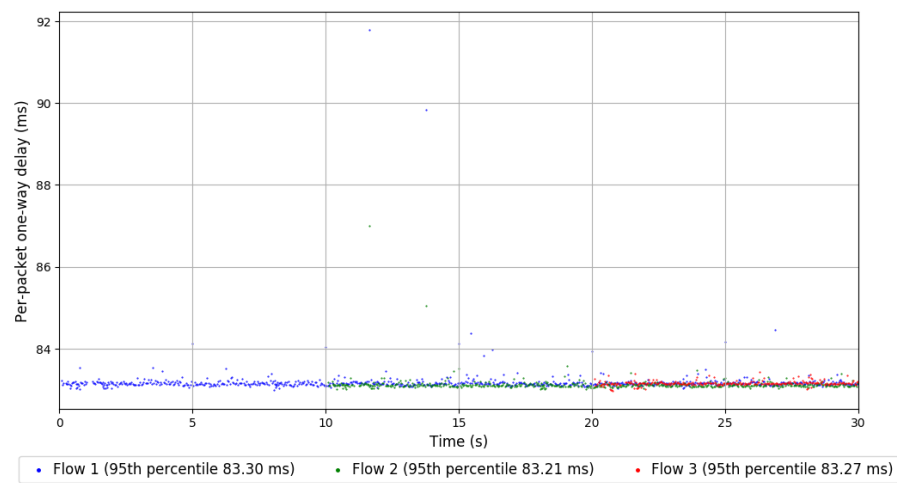
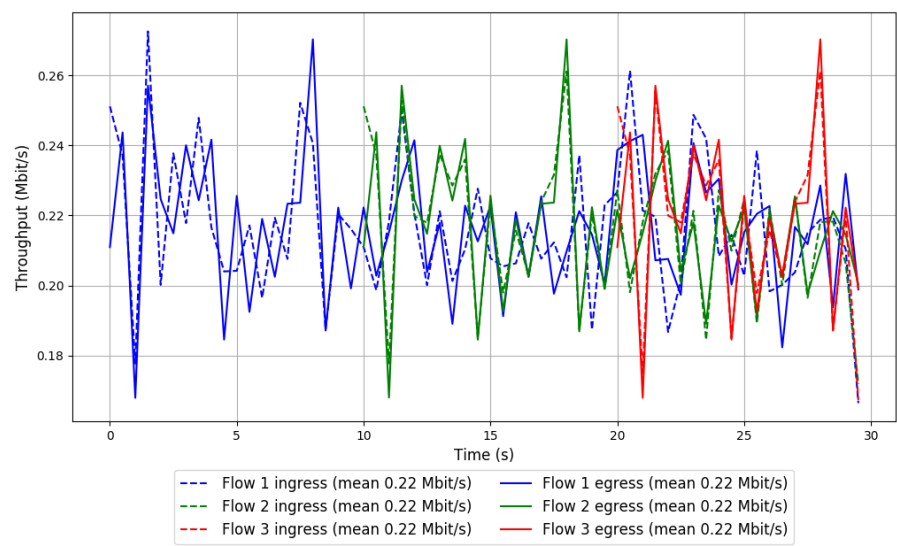
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.271 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

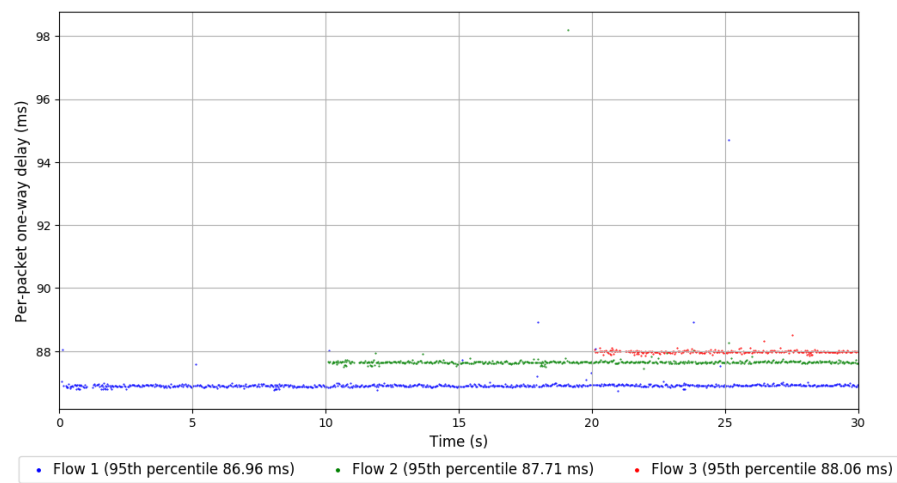
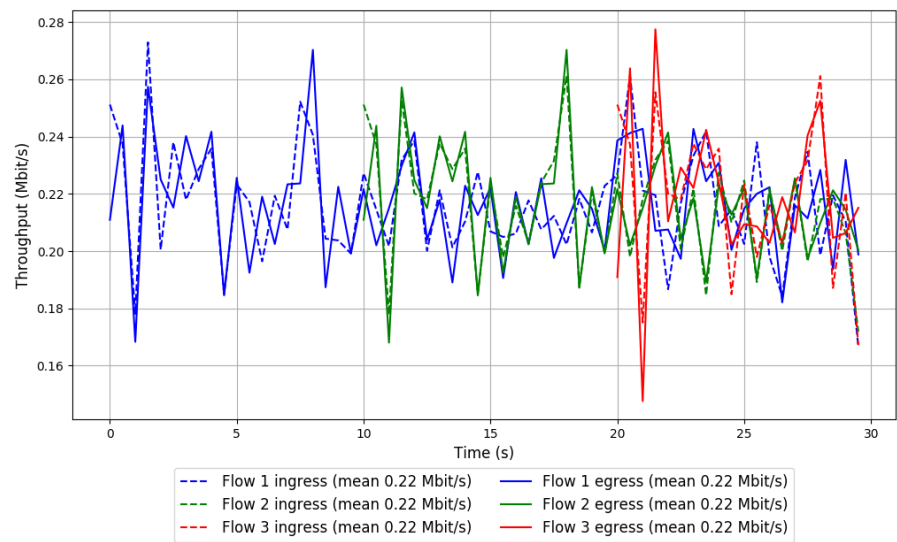


Run 5: Statistics of SReAM

Start at: 2017-09-08 03:01:42
End at: 2017-09-08 03:02:12
Local clock offset: 0.208 ms
Remote clock offset: -3.021 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.056 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

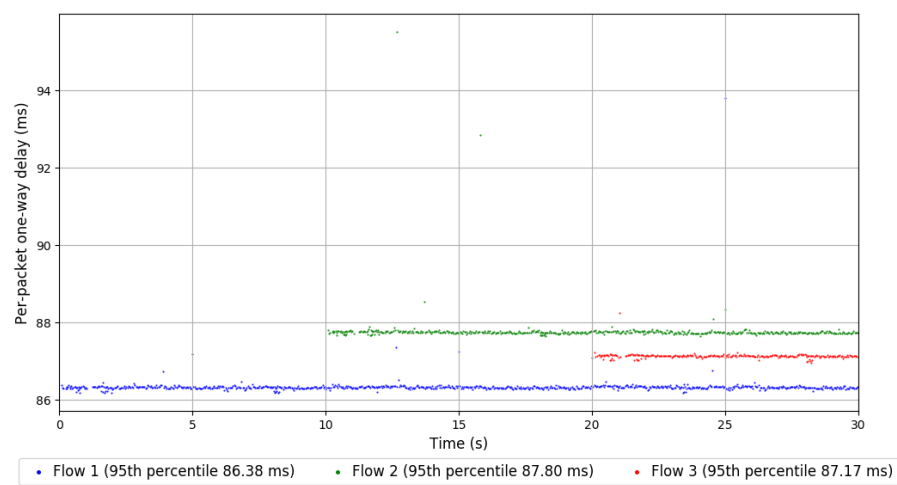
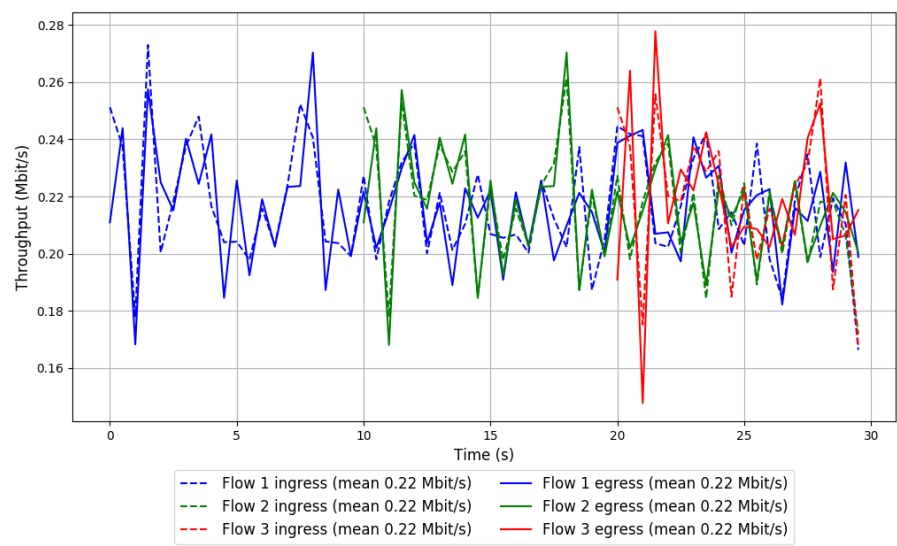


Run 6: Statistics of SReAM

Start at: 2017-09-08 03:22:49
End at: 2017-09-08 03:23:19
Local clock offset: 0.252 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.377 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.174 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

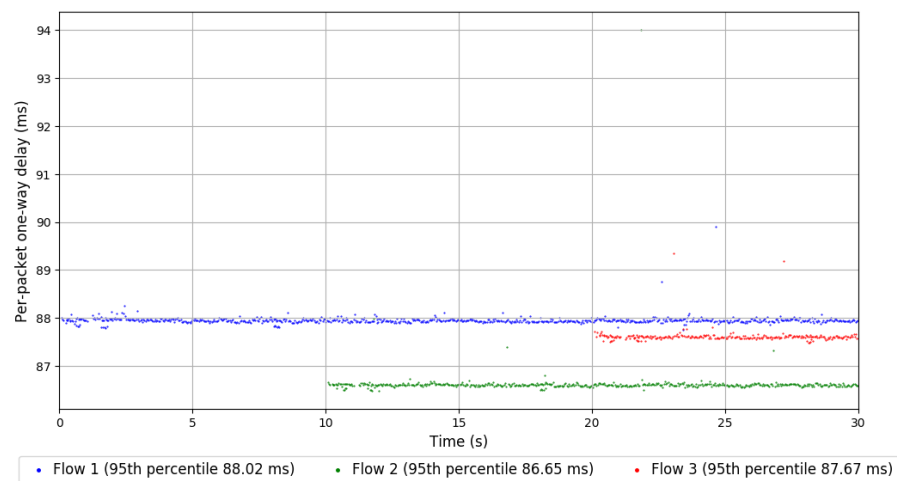
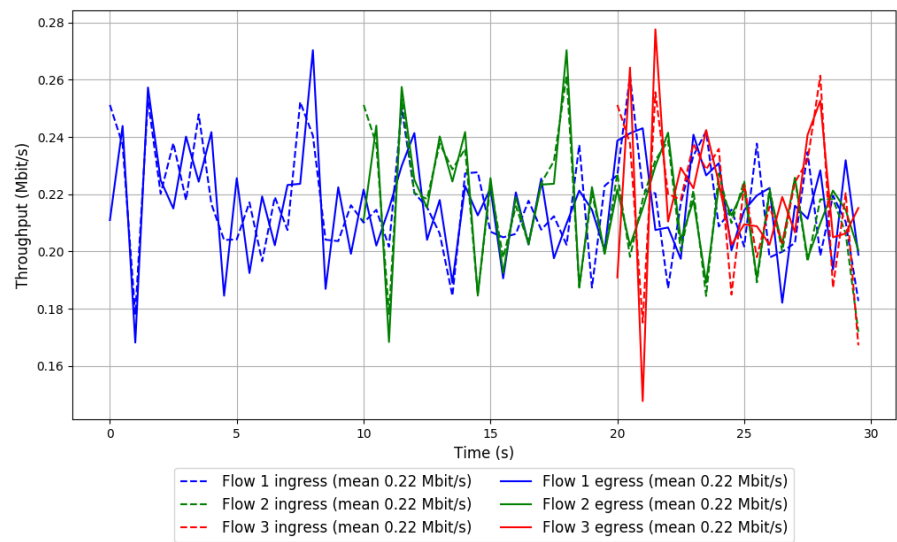


Run 7: Statistics of SReAM

Start at: 2017-09-08 03:44:00
End at: 2017-09-08 03:44:30
Local clock offset: 0.165 ms
Remote clock offset: -2.659 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.994 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.022 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.653 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.675 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

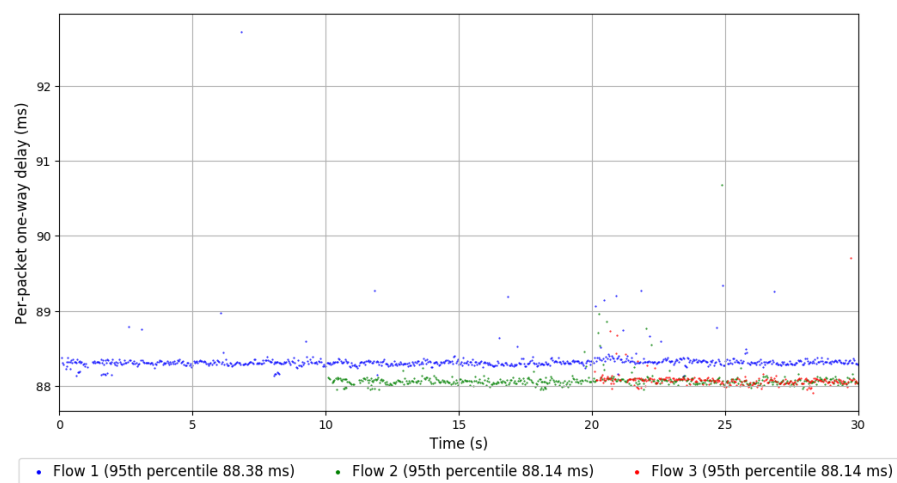
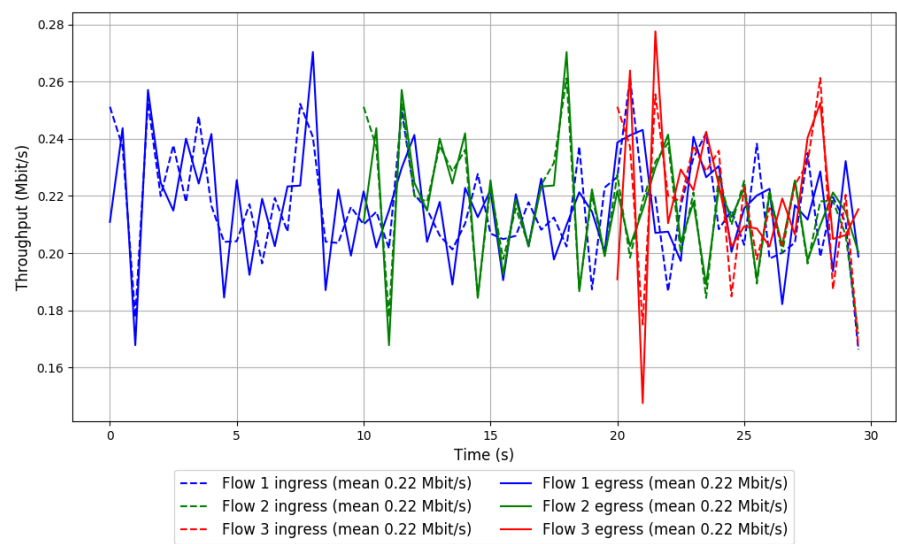


Run 8: Statistics of SReAM

Start at: 2017-09-08 04:04:41
End at: 2017-09-08 04:05:11
Local clock offset: 0.174 ms
Remote clock offset: -2.563 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.141 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

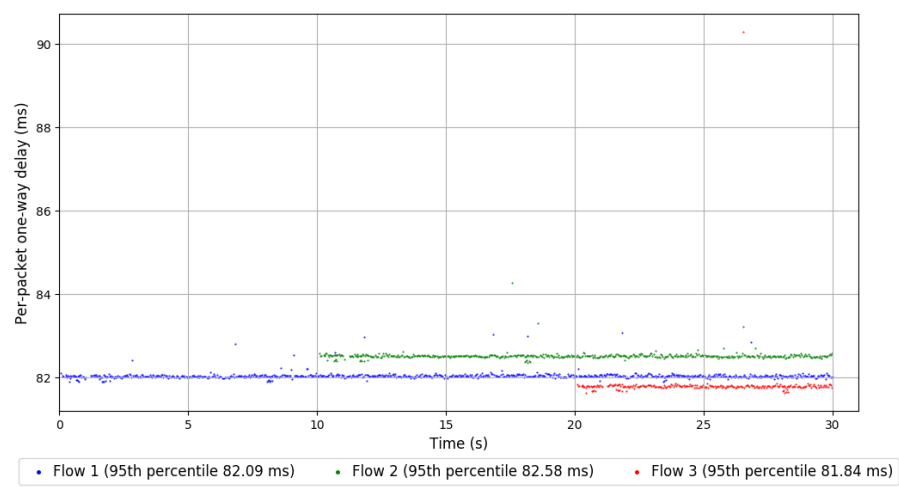
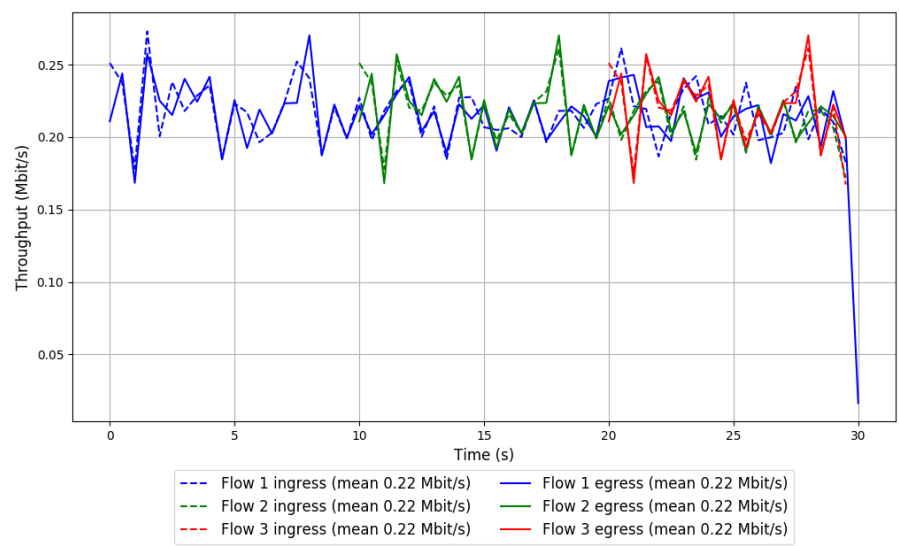


Run 9: Statistics of SReAM

Start at: 2017-09-08 04:25:52
End at: 2017-09-08 04:26:22
Local clock offset: 0.232 ms
Remote clock offset: -7.584 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.837 ms
Loss rate: 0.00%

Run 9: Report of SCReAM — Data Link

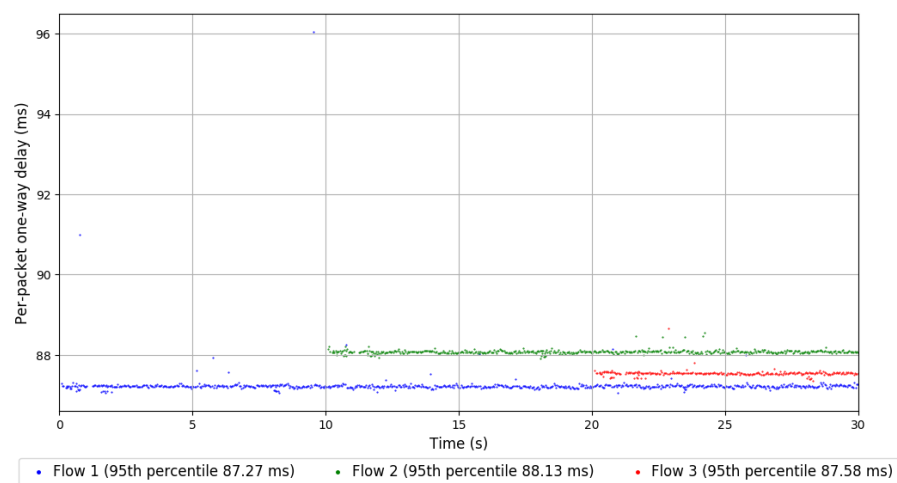
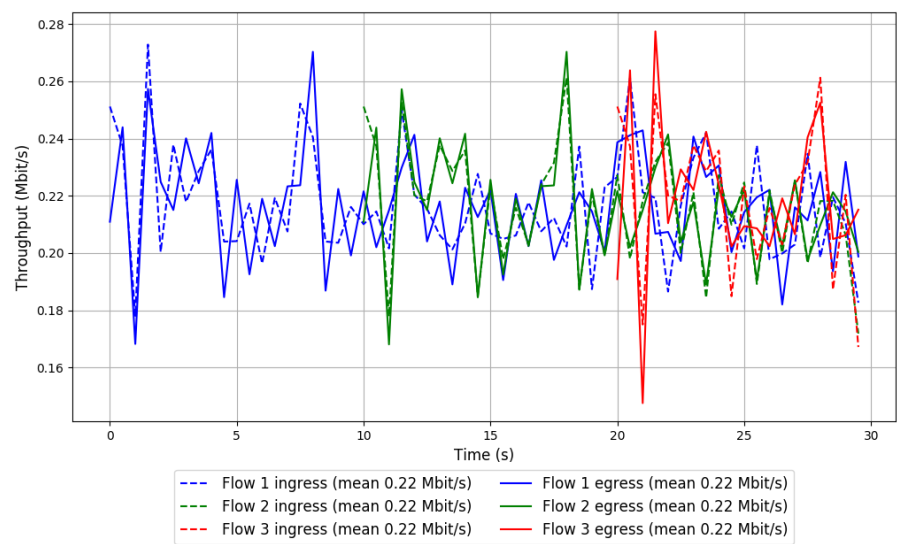


Run 10: Statistics of SReAM

Start at: 2017-09-08 04:46:38
End at: 2017-09-08 04:47:08
Local clock offset: 0.072 ms
Remote clock offset: -2.818 ms

Below is generated by plot.py at 2017-09-08 06:28:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 88.104 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.274 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.585 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

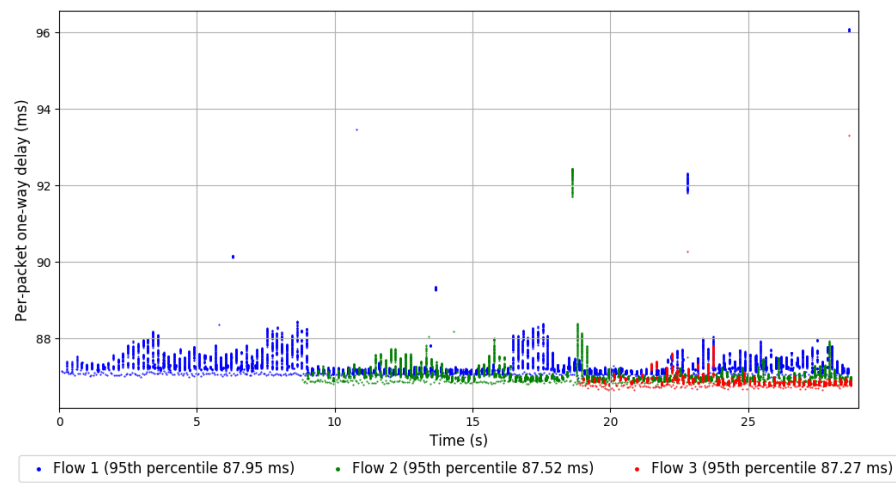
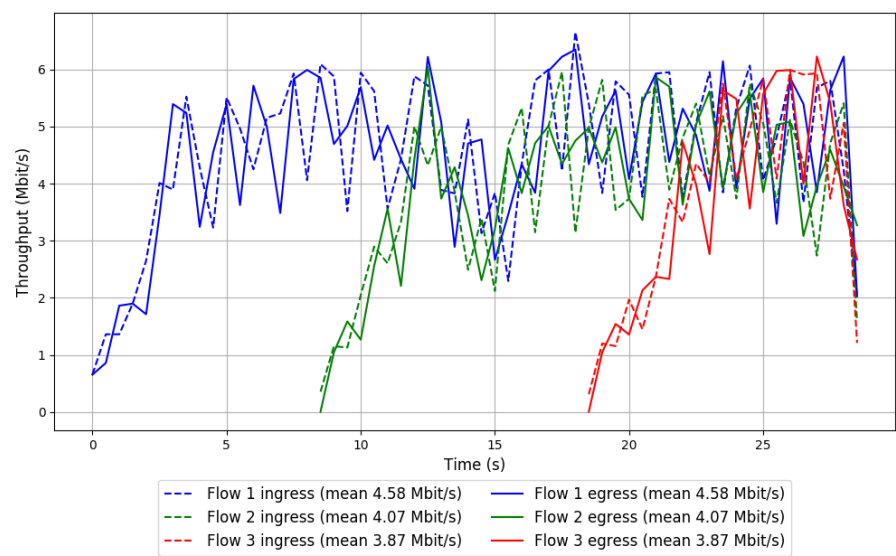


Run 1: Statistics of Sprout

Start at: 2017-09-08 01:37:03
End at: 2017-09-08 01:37:33
Local clock offset: 0.044 ms
Remote clock offset: -2.987 ms

Below is generated by plot.py at 2017-09-08 06:28:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 87.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 87.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: 87.524 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

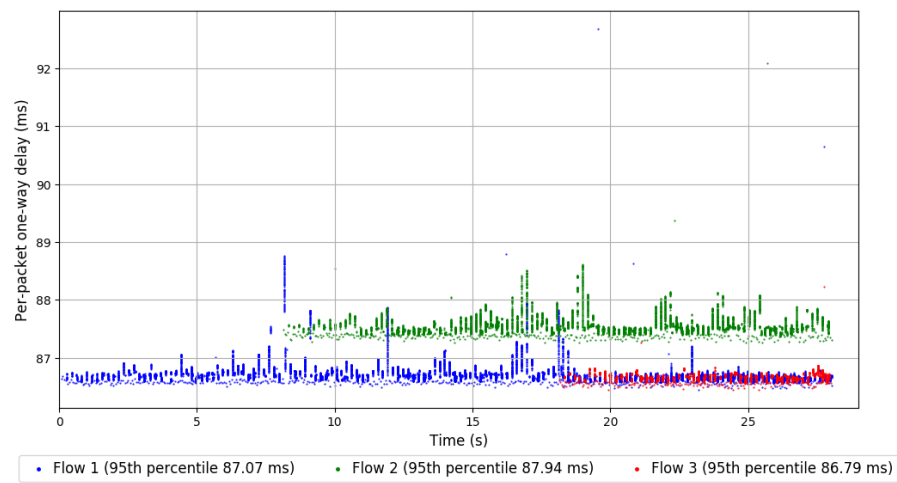
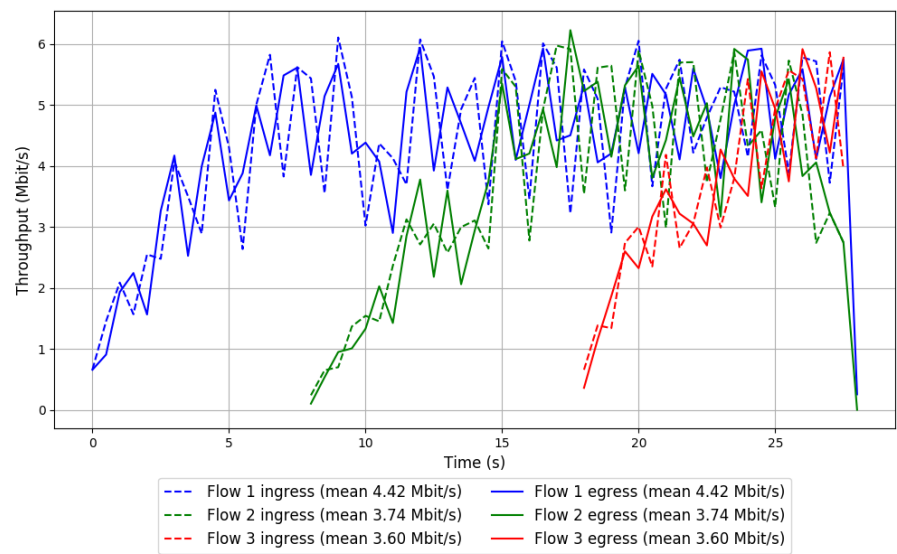


Run 2: Statistics of Sprout

Start at: 2017-09-08 01:57:51
End at: 2017-09-08 01:58:21
Local clock offset: 0.014 ms
Remote clock offset: -3.267 ms

Below is generated by plot.py at 2017-09-08 06:28:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 87.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 87.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 87.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 86.791 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

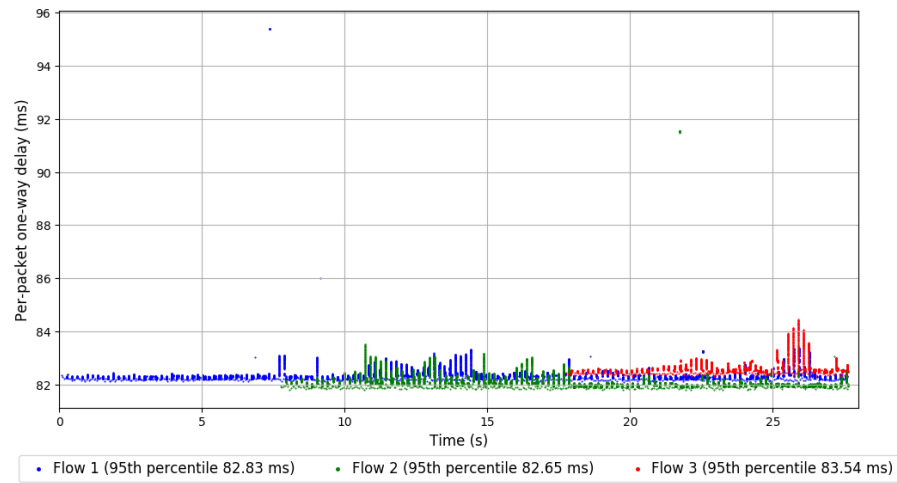
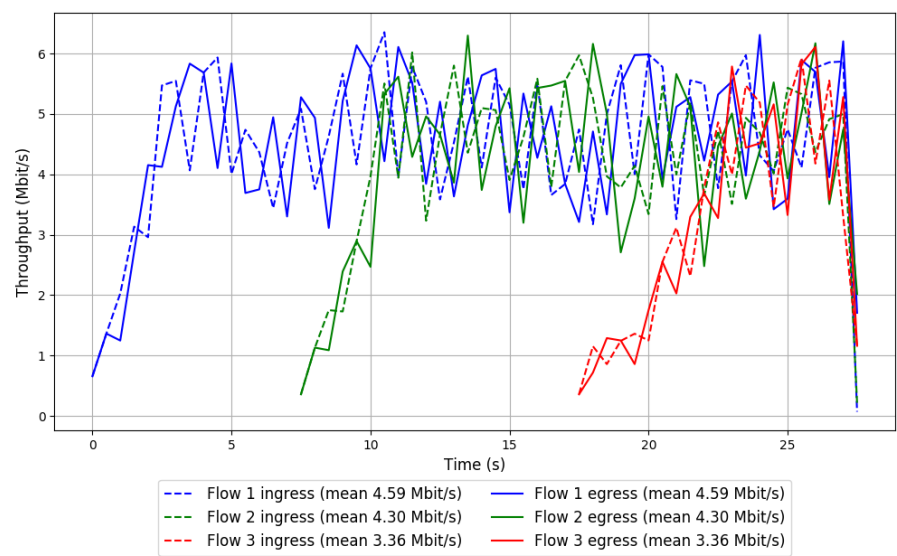


Run 3: Statistics of Sprout

Start at: 2017-09-08 02:18:35
End at: 2017-09-08 02:19:05
Local clock offset: 0.078 ms
Remote clock offset: -8.298 ms

```
# Below is generated by plot.py at 2017-09-08 06:28:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 82.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 82.829 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 82.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 83.540 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

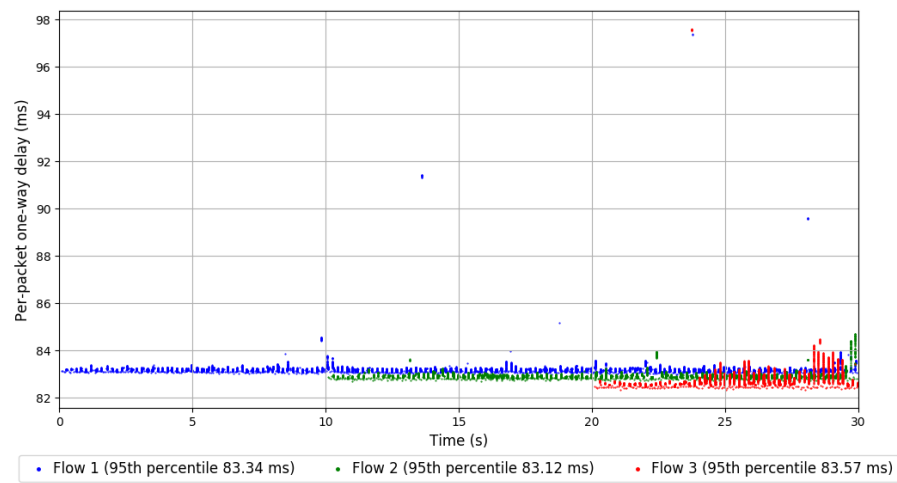
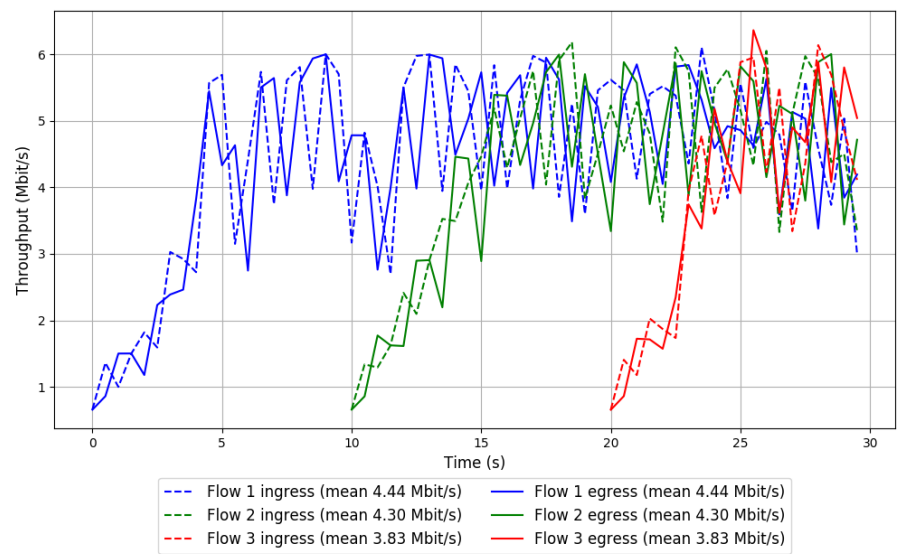


Run 4: Statistics of Sprout

Start at: 2017-09-08 02:39:31
End at: 2017-09-08 02:40:01
Local clock offset: 0.123 ms
Remote clock offset: -8.114 ms

Below is generated by plot.py at 2017-09-08 06:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 83.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 83.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 83.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 83.571 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

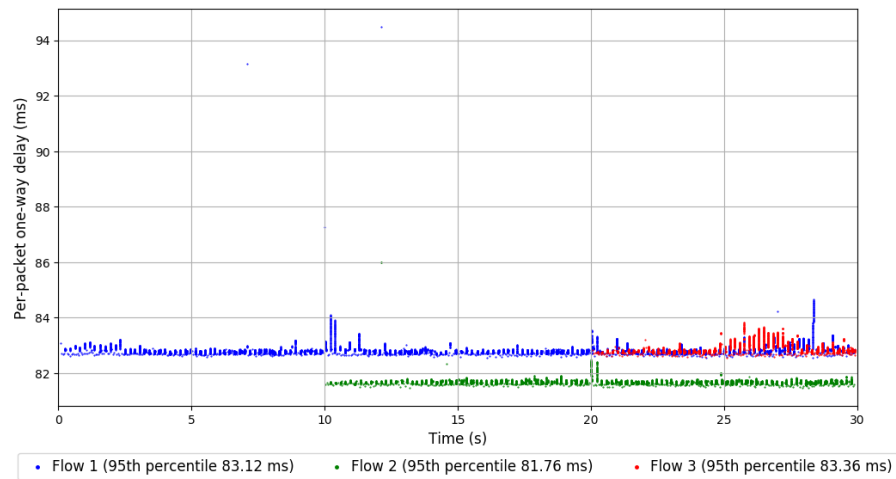
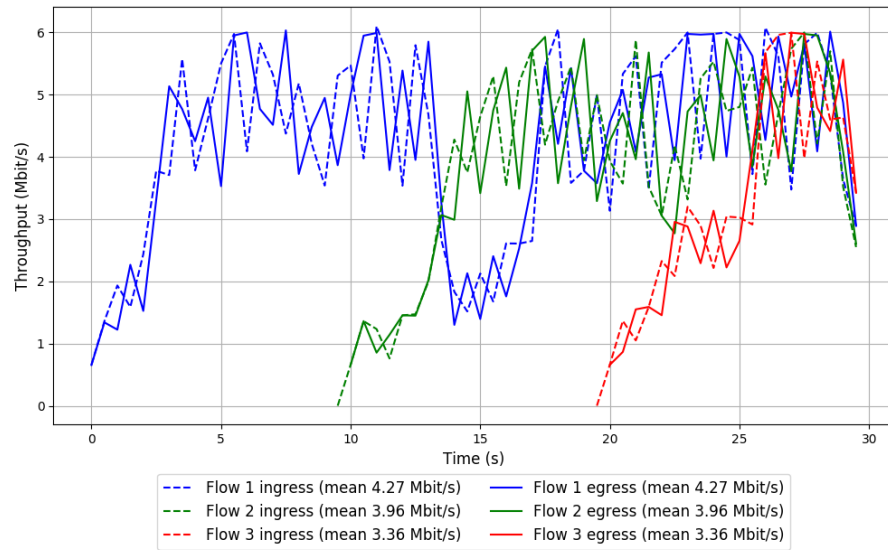


Run 5: Statistics of Sprout

Start at: 2017-09-08 03:00:27
End at: 2017-09-08 03:00:57
Local clock offset: 0.235 ms
Remote clock offset: -7.88 ms

Below is generated by plot.py at 2017-09-08 06:28:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 83.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 83.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 81.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 83.365 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

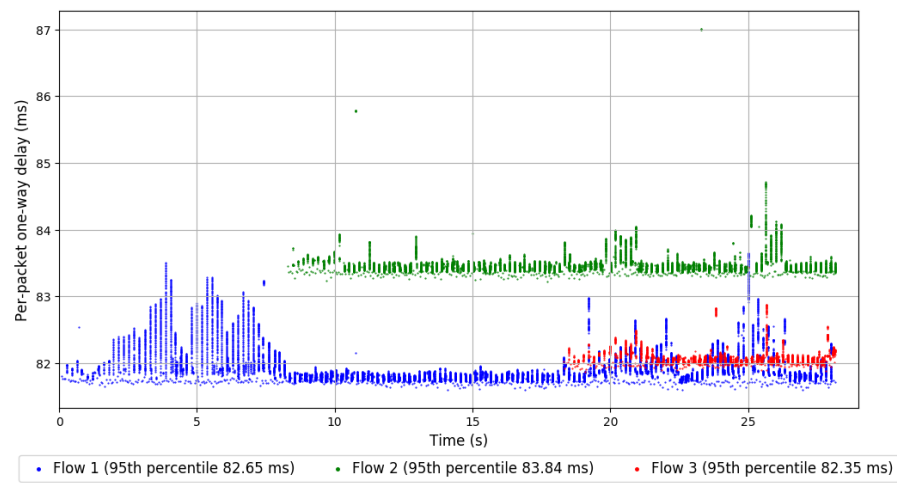
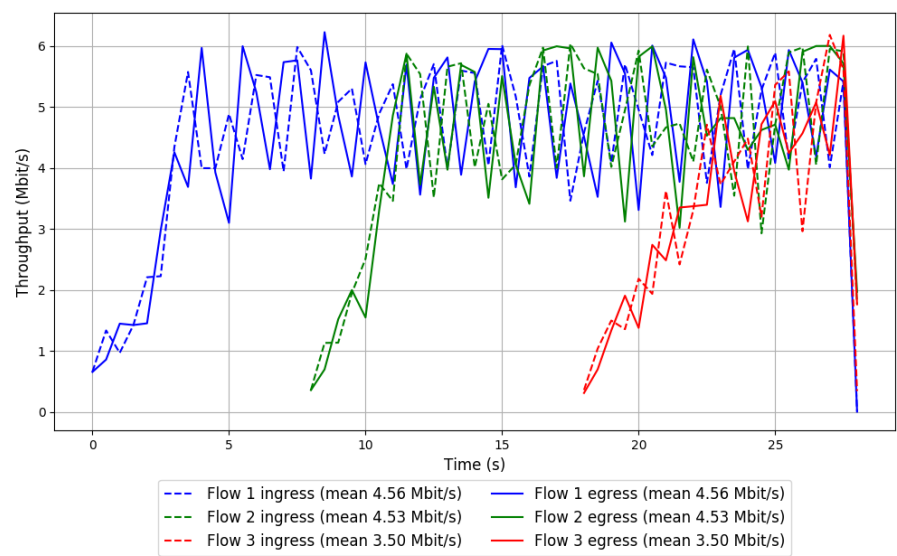


Run 6: Statistics of Sprout

Start at: 2017-09-08 03:21:34
End at: 2017-09-08 03:22:04
Local clock offset: 0.188 ms
Remote clock offset: -7.587 ms

Below is generated by plot.py at 2017-09-08 06:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 83.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 82.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 83.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 82.349 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

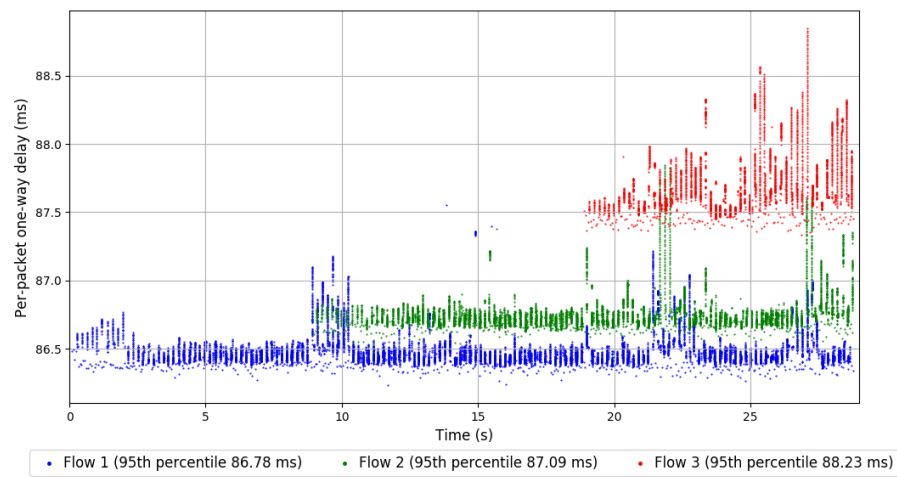
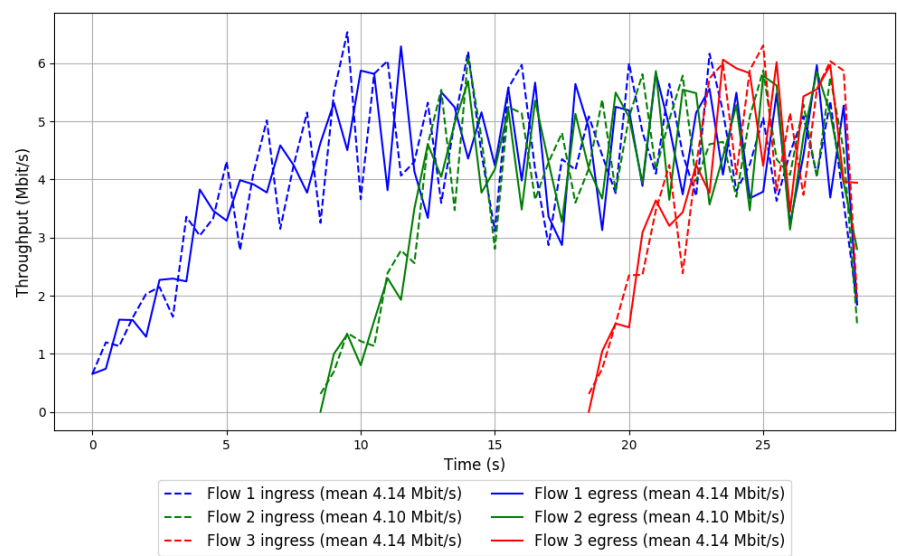


Run 7: Statistics of Sprout

Start at: 2017-09-08 03:42:46
End at: 2017-09-08 03:43:16
Local clock offset: 0.242 ms
Remote clock offset: -2.676 ms

Below is generated by plot.py at 2017-09-08 06:28:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 87.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 86.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 87.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 88.235 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

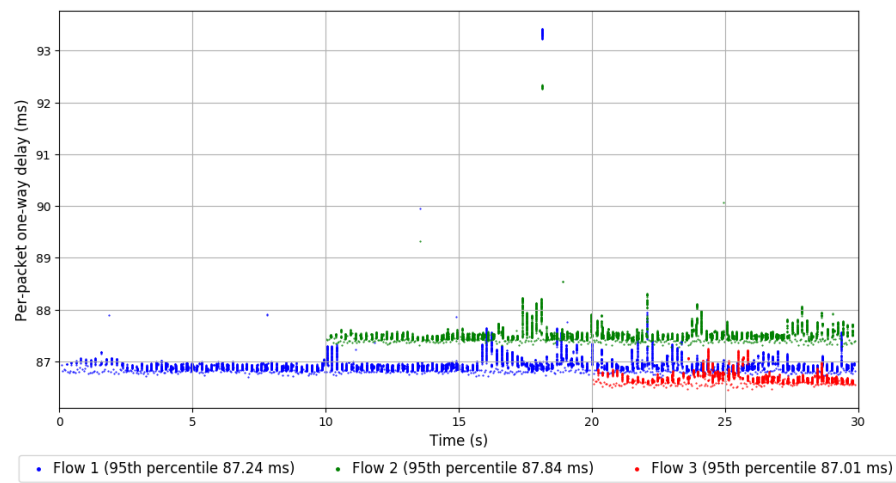
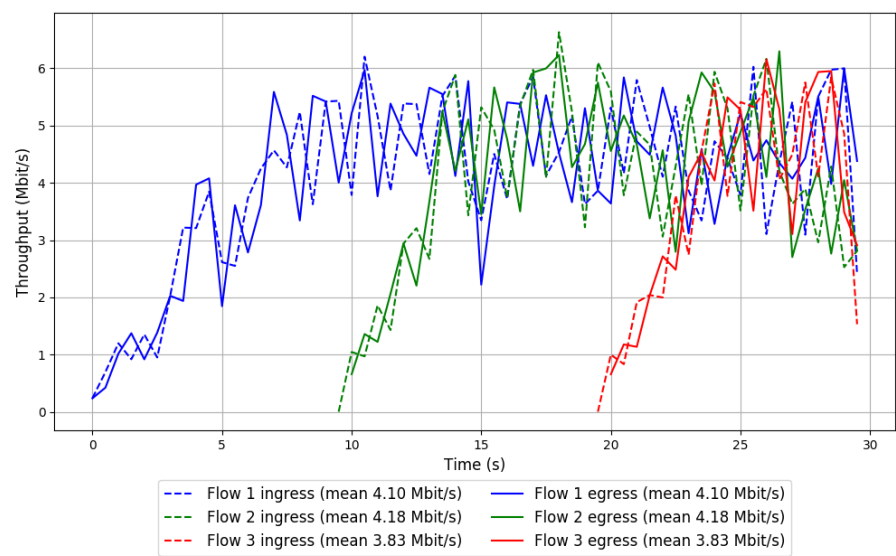


Run 8: Statistics of Sprout

Start at: 2017-09-08 04:03:27
End at: 2017-09-08 04:03:57
Local clock offset: 0.267 ms
Remote clock offset: -2.682 ms

Below is generated by plot.py at 2017-09-08 06:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 87.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 87.237 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 87.843 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

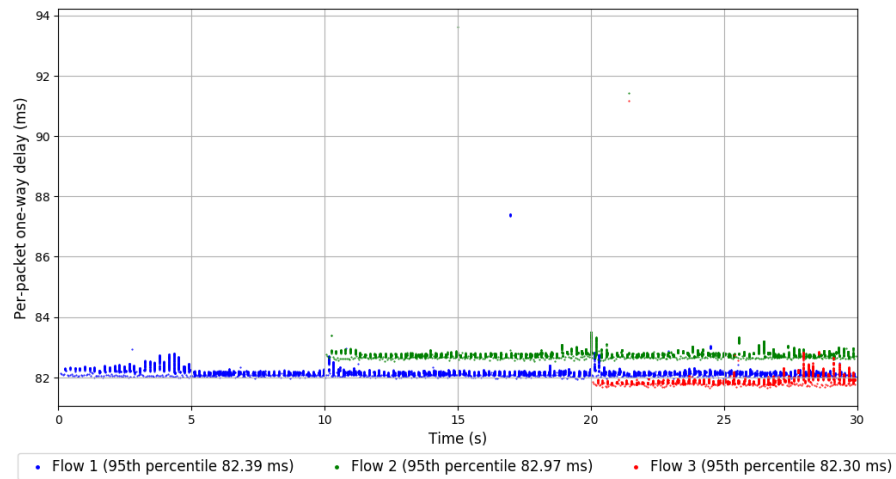
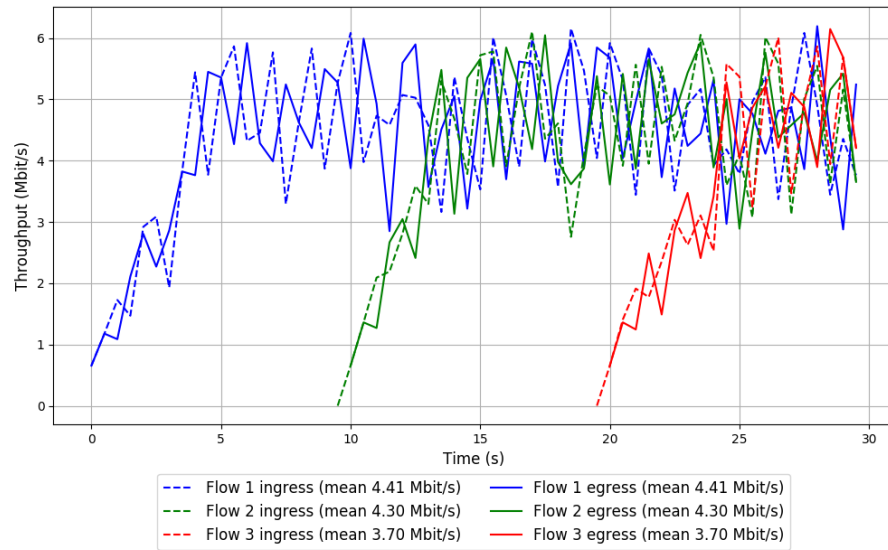


Run 9: Statistics of Sprout

Start at: 2017-09-08 04:24:38
End at: 2017-09-08 04:25:08
Local clock offset: 0.205 ms
Remote clock offset: -7.719 ms

Below is generated by plot.py at 2017-09-08 06:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 82.854 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 82.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 82.968 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 82.299 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

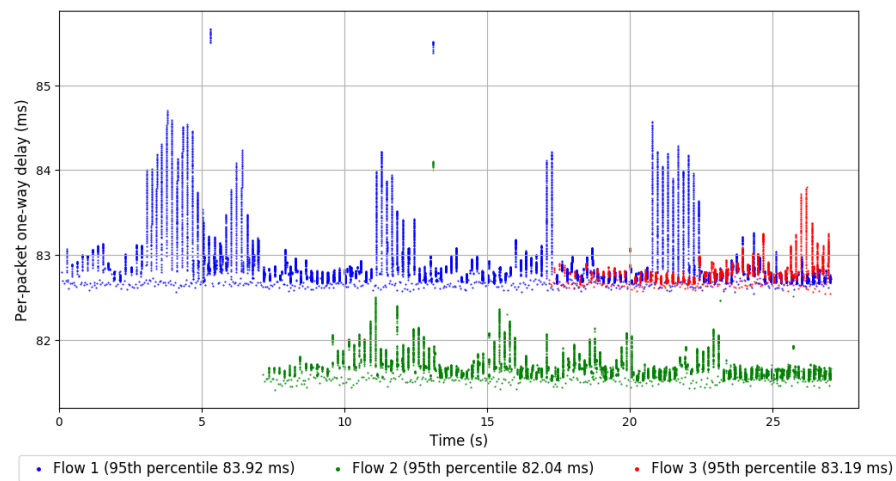
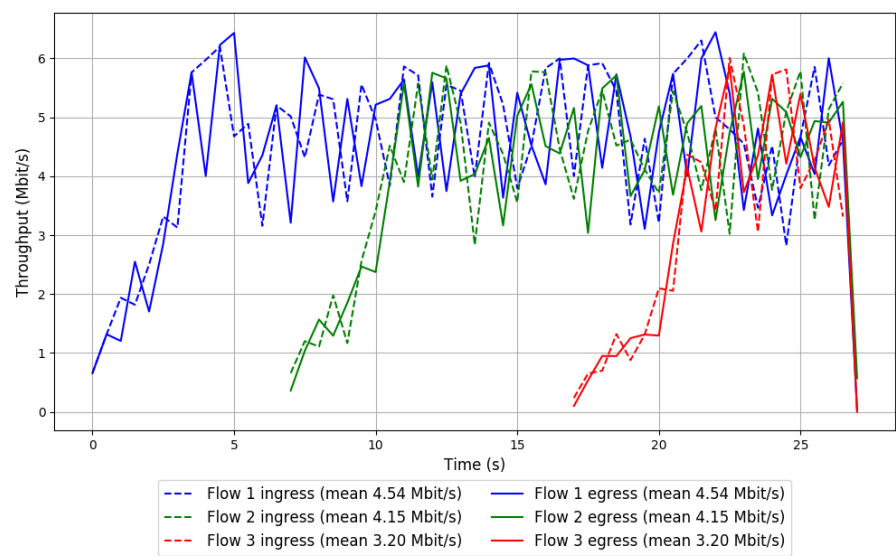


Run 10: Statistics of Sprout

Start at: 2017-09-08 04:45:24
End at: 2017-09-08 04:45:54
Local clock offset: 0.203 ms
Remote clock offset: -7.709 ms

Below is generated by plot.py at 2017-09-08 06:29:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 83.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 83.917 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 82.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 83.188 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

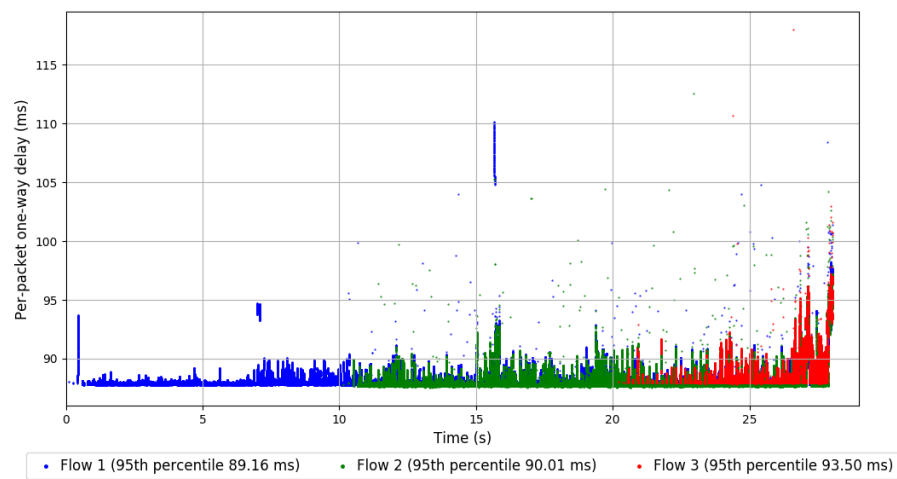
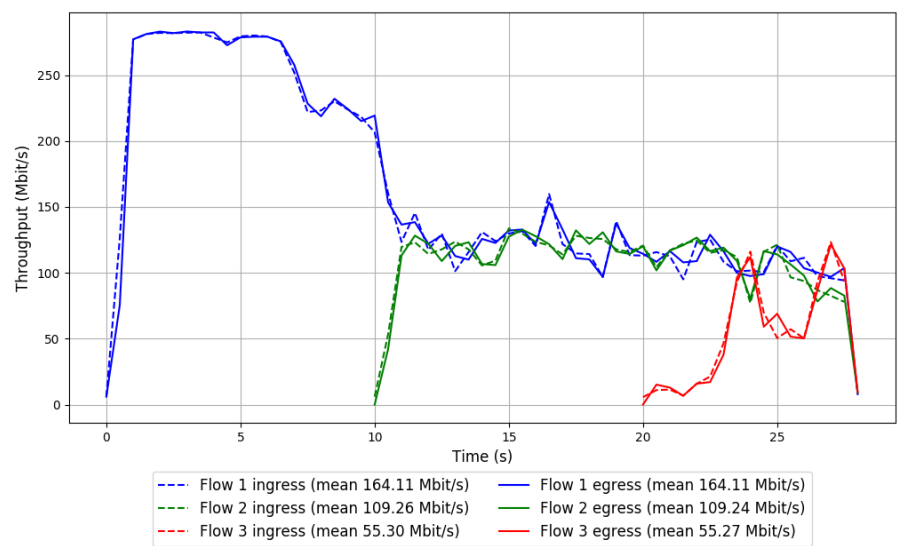


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-08 01:39:31
End at: 2017-09-08 01:40:01
Local clock offset: 0.091 ms
Remote clock offset: -2.914 ms

# Below is generated by plot.py at 2017-09-08 06:29:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 249.50 Mbit/s
95th percentile per-packet one-way delay: 89.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.11 Mbit/s
95th percentile per-packet one-way delay: 89.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.24 Mbit/s
95th percentile per-packet one-way delay: 90.013 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 93.502 ms
Loss rate: 0.02%
```

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

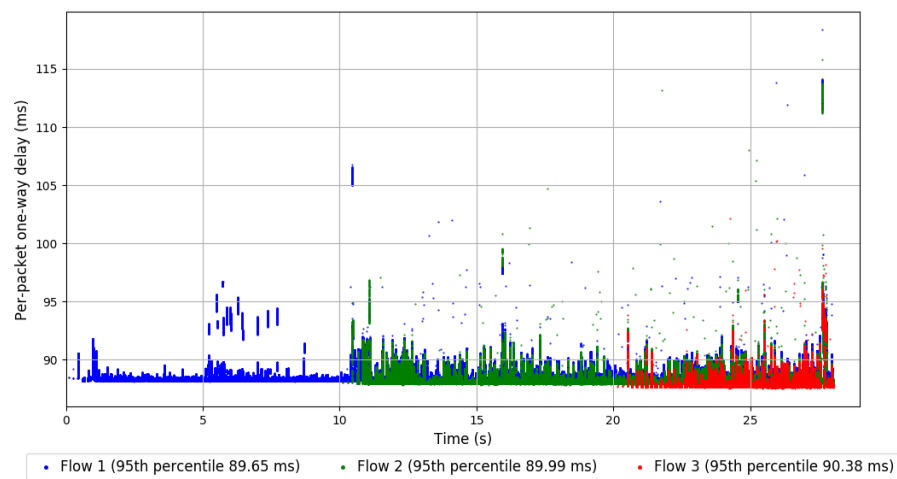
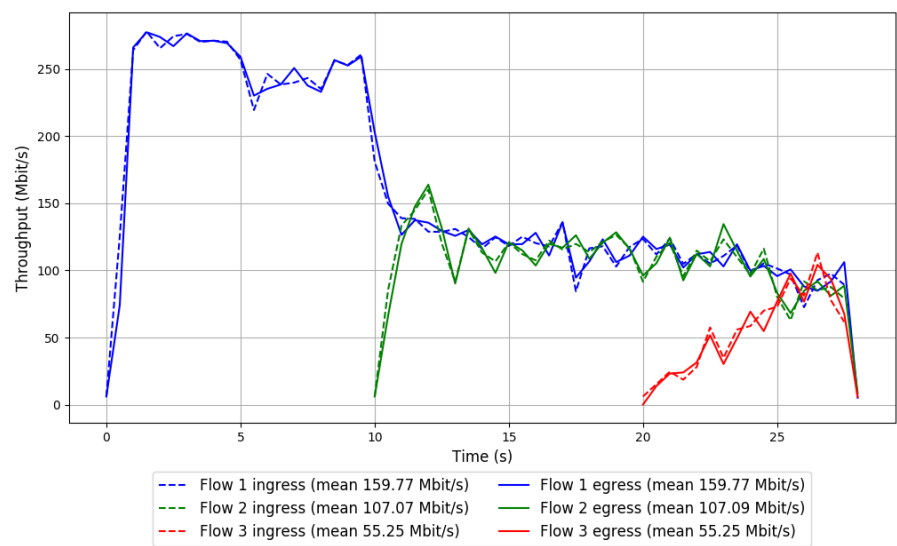


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-08 02:00:19
End at: 2017-09-08 02:00:49
Local clock offset: 0.113 ms
Remote clock offset: -3.176 ms

Below is generated by plot.py at 2017-09-08 06:29:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.01 Mbit/s
95th percentile per-packet one-way delay: 89.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.77 Mbit/s
95th percentile per-packet one-way delay: 89.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.09 Mbit/s
95th percentile per-packet one-way delay: 89.986 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 90.380 ms
Loss rate: 0.00%

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

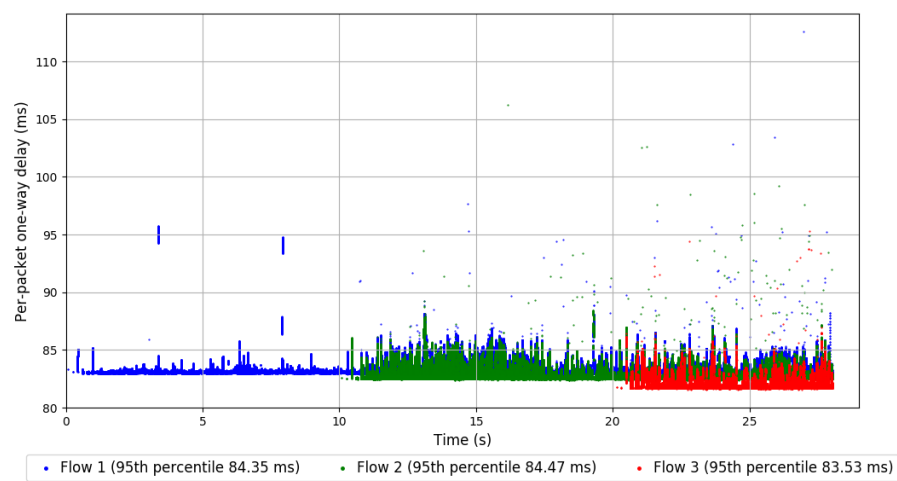
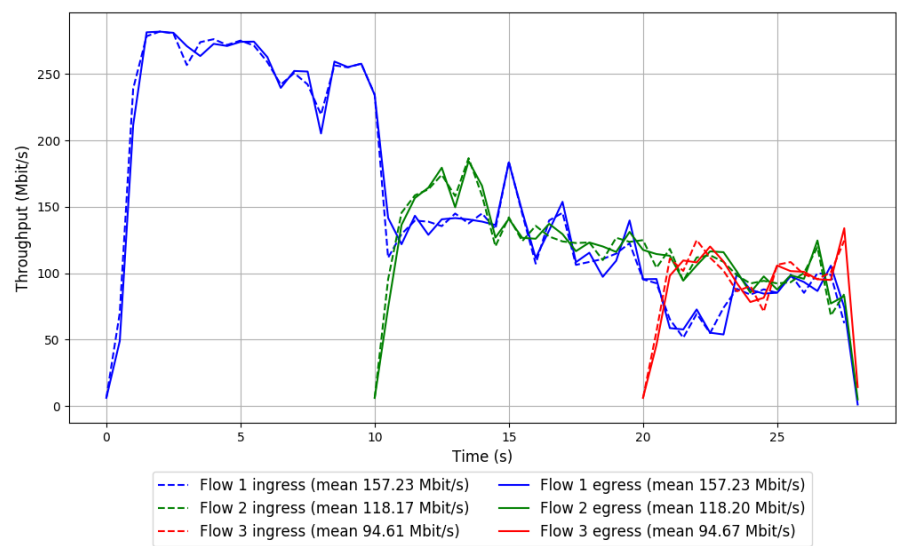


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-08 02:21:03
End at: 2017-09-08 02:21:33
Local clock offset: 0.137 ms
Remote clock offset: -8.261 ms

Below is generated by plot.py at 2017-09-08 06:30:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.85 Mbit/s
95th percentile per-packet one-way delay: 84.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.23 Mbit/s
95th percentile per-packet one-way delay: 84.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.20 Mbit/s
95th percentile per-packet one-way delay: 84.468 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 83.533 ms
Loss rate: 0.00%

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

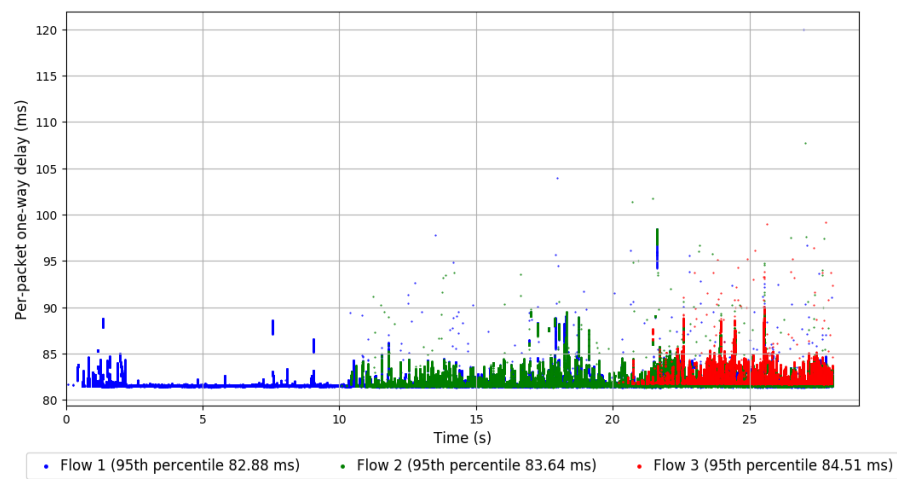
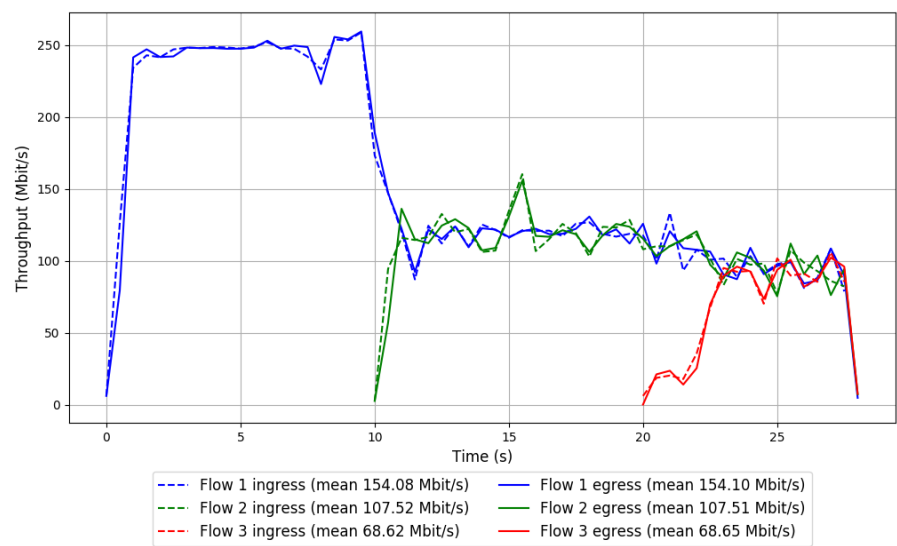


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-08 02:41:59
End at: 2017-09-08 02:42:29
Local clock offset: 0.211 ms
Remote clock offset: -8.224 ms

Below is generated by plot.py at 2017-09-08 06:30:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.30 Mbit/s
95th percentile per-packet one-way delay: 83.399 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 154.10 Mbit/s
95th percentile per-packet one-way delay: 82.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.51 Mbit/s
95th percentile per-packet one-way delay: 83.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.65 Mbit/s
95th percentile per-packet one-way delay: 84.506 ms
Loss rate: 0.06%

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

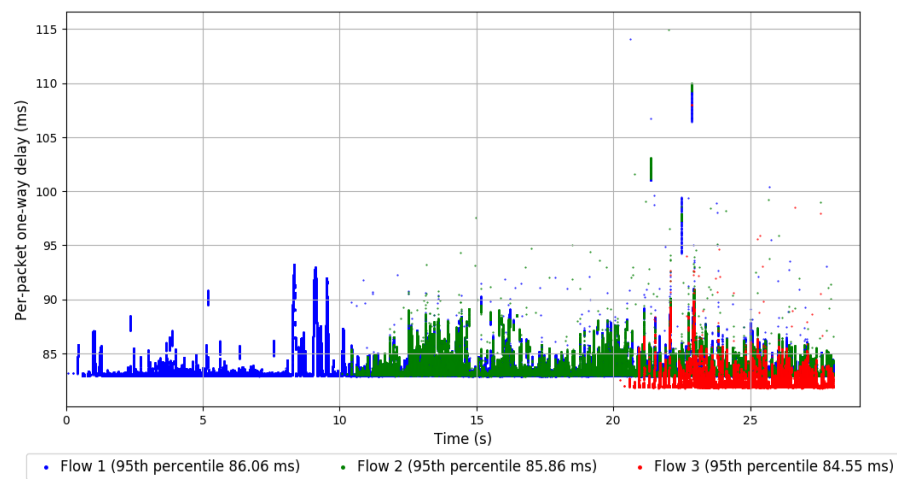
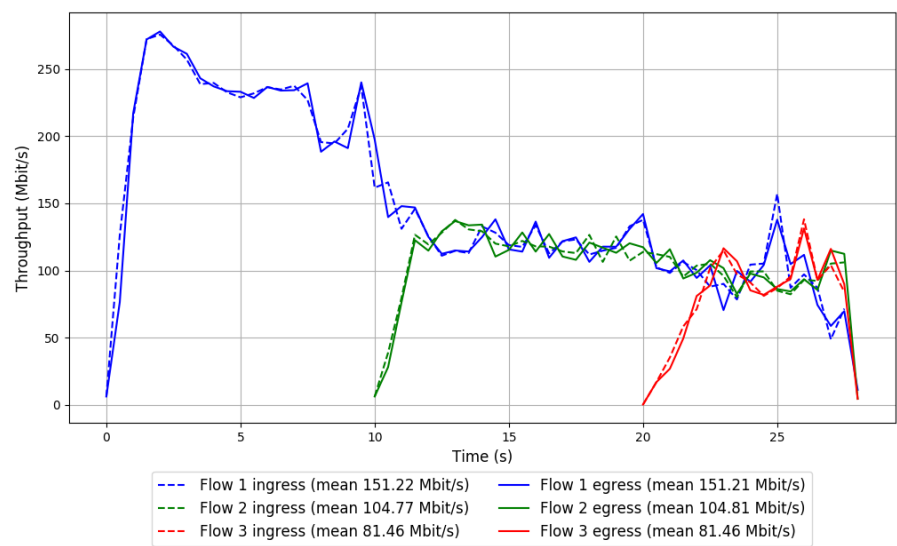


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-08 03:02:55
End at: 2017-09-08 03:03:25
Local clock offset: 0.252 ms
Remote clock offset: -7.841 ms

Below is generated by plot.py at 2017-09-08 06:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.21 Mbit/s
95th percentile per-packet one-way delay: 85.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.21 Mbit/s
95th percentile per-packet one-way delay: 86.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 104.81 Mbit/s
95th percentile per-packet one-way delay: 85.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 84.554 ms
Loss rate: 0.00%

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

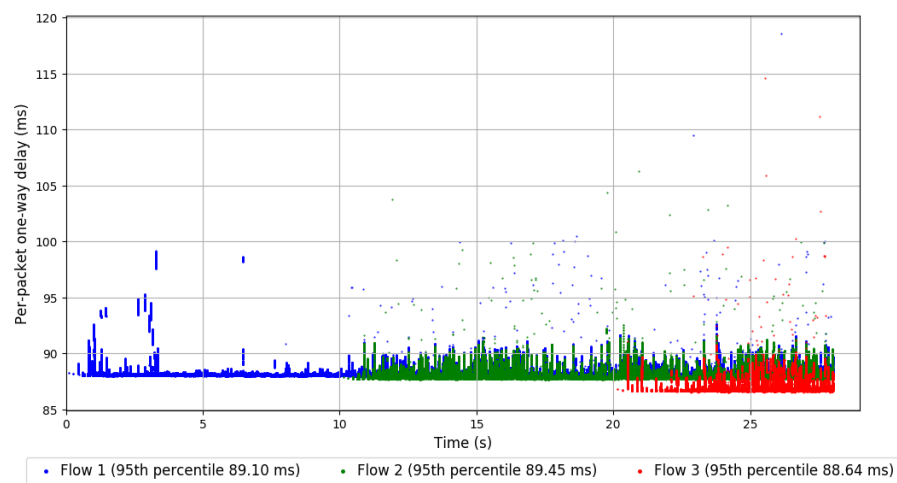
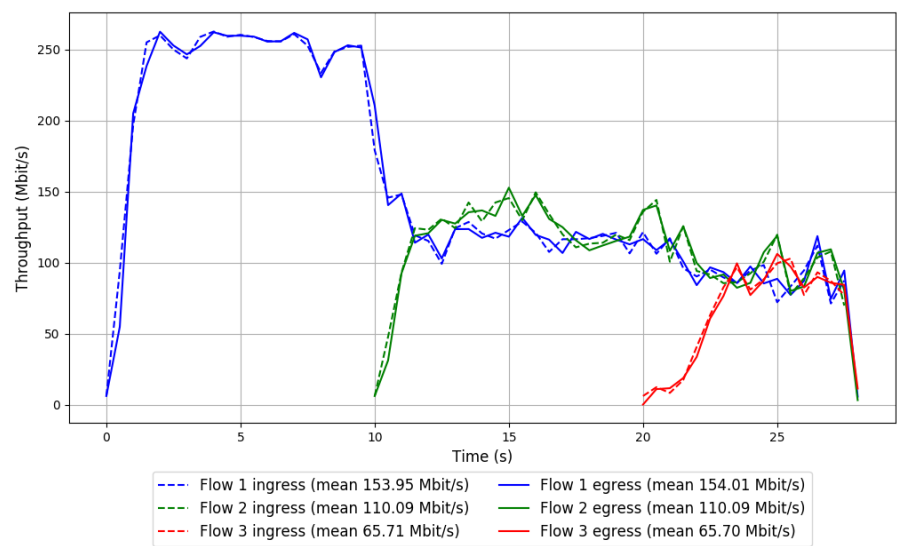


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-08 03:24:02
End at: 2017-09-08 03:24:32
Local clock offset: 0.179 ms
Remote clock offset: -2.604 ms

Below is generated by plot.py at 2017-09-08 06:31:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.01 Mbit/s
95th percentile per-packet one-way delay: 89.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.01 Mbit/s
95th percentile per-packet one-way delay: 89.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 110.09 Mbit/s
95th percentile per-packet one-way delay: 89.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 88.638 ms
Loss rate: 0.00%

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

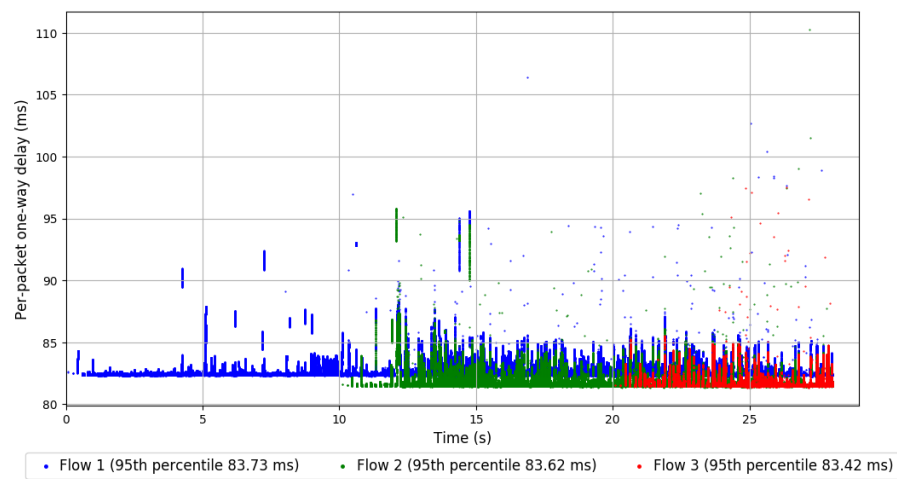
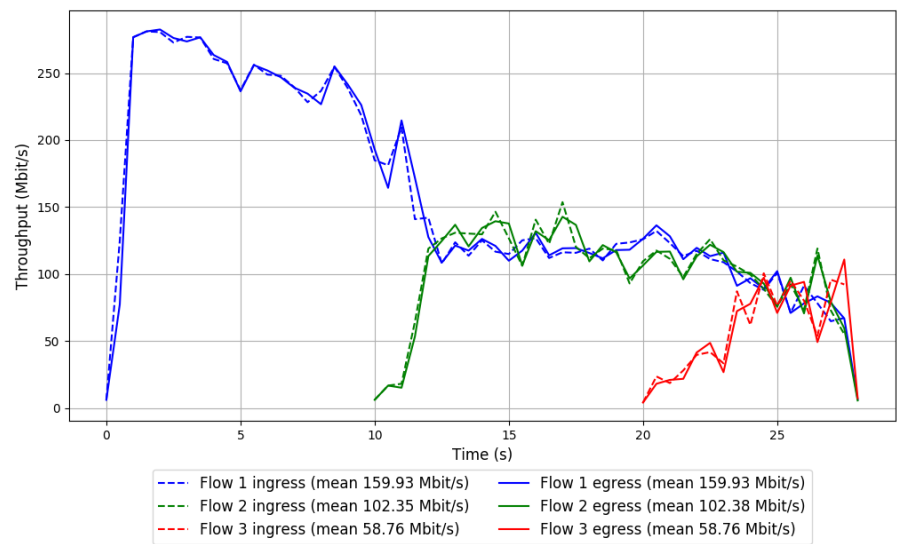


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-08 03:45:14
End at: 2017-09-08 03:45:44
Local clock offset: 0.248 ms
Remote clock offset: -7.496 ms

Below is generated by plot.py at 2017-09-08 06:32:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.23 Mbit/s
95th percentile per-packet one-way delay: 83.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.93 Mbit/s
95th percentile per-packet one-way delay: 83.734 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.38 Mbit/s
95th percentile per-packet one-way delay: 83.616 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.76 Mbit/s
95th percentile per-packet one-way delay: 83.425 ms
Loss rate: 0.00%

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

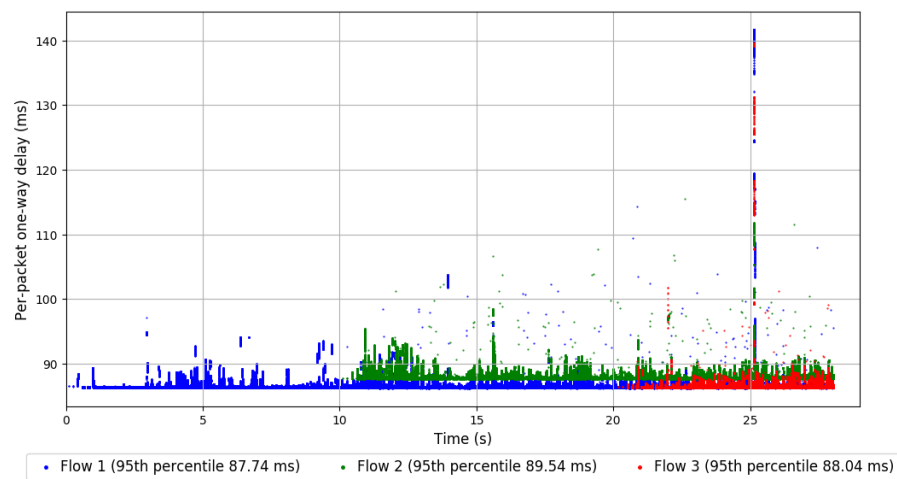
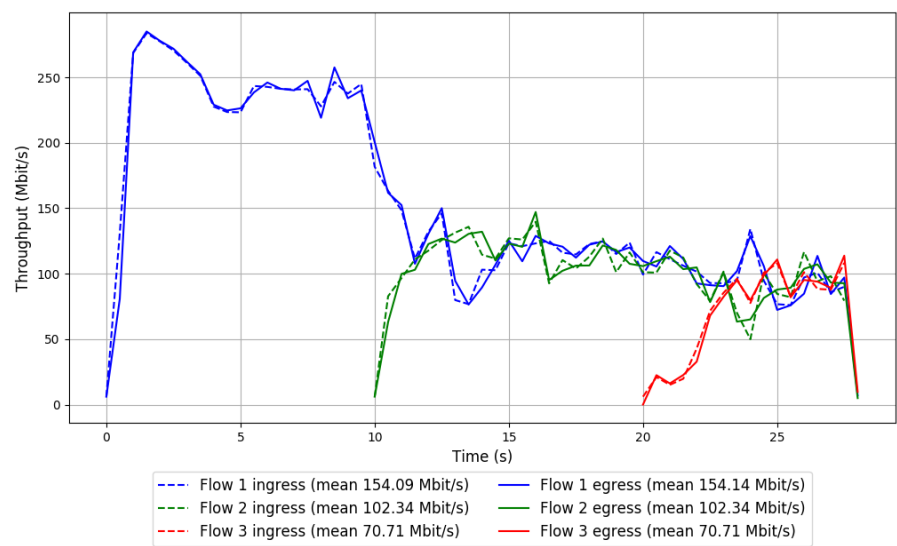


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-08 04:05:55
End at: 2017-09-08 04:06:25
Local clock offset: 0.262 ms
Remote clock offset: -2.728 ms

Below is generated by plot.py at 2017-09-08 06:32:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.71 Mbit/s
95th percentile per-packet one-way delay: 88.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.14 Mbit/s
95th percentile per-packet one-way delay: 87.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.34 Mbit/s
95th percentile per-packet one-way delay: 89.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.71 Mbit/s
95th percentile per-packet one-way delay: 88.042 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-08 04:27:06

End at: 2017-09-08 04:27:36

Local clock offset: 0.141 ms

Remote clock offset: -7.66 ms

Below is generated by plot.py at 2017-09-08 06:33:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.55 Mbit/s

95th percentile per-packet one-way delay: 84.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 163.27 Mbit/s

95th percentile per-packet one-way delay: 83.618 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 101.07 Mbit/s

95th percentile per-packet one-way delay: 85.125 ms

Loss rate: 0.00%

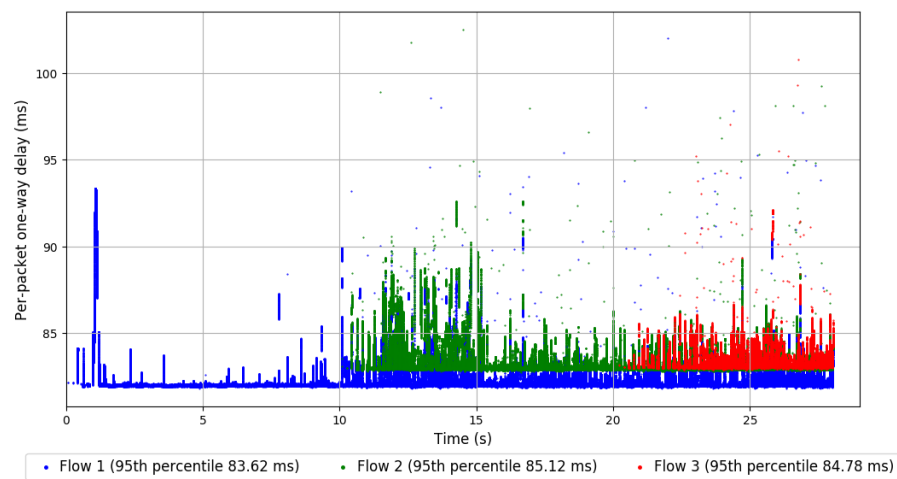
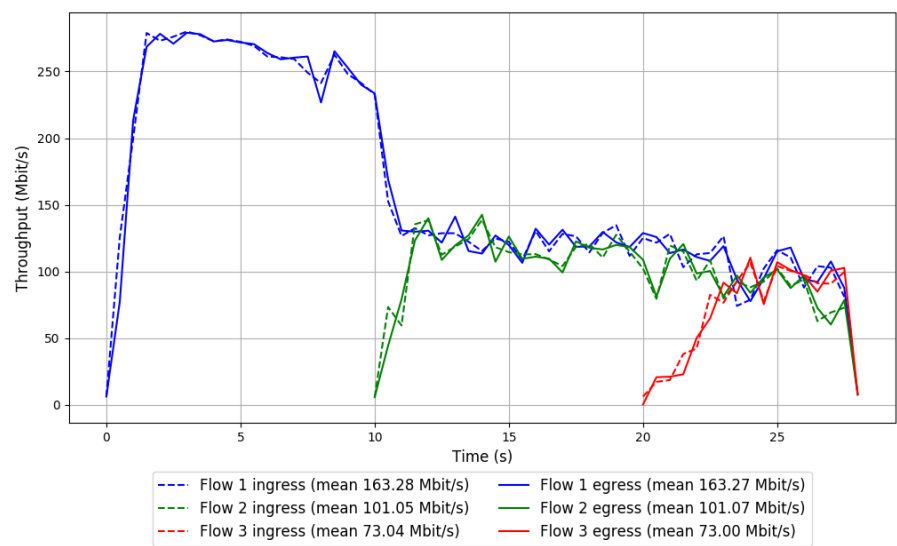
-- Flow 3:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 84.780 ms

Loss rate: 0.04%

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

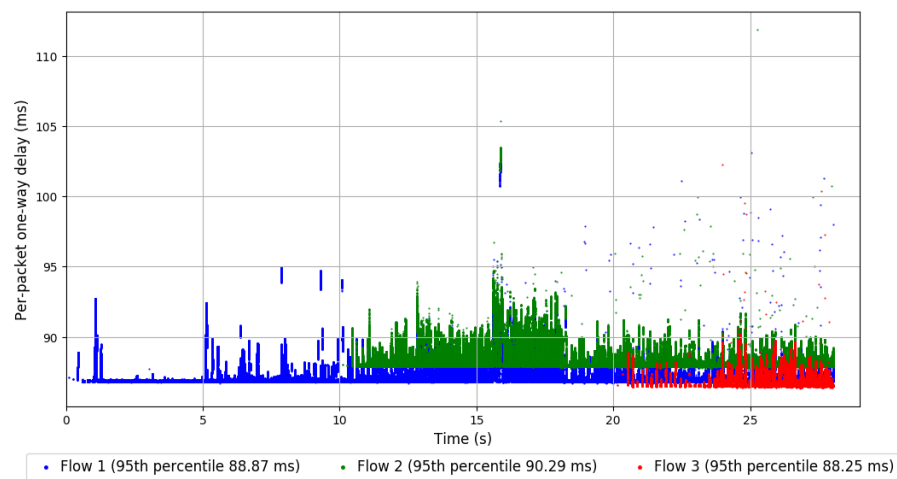
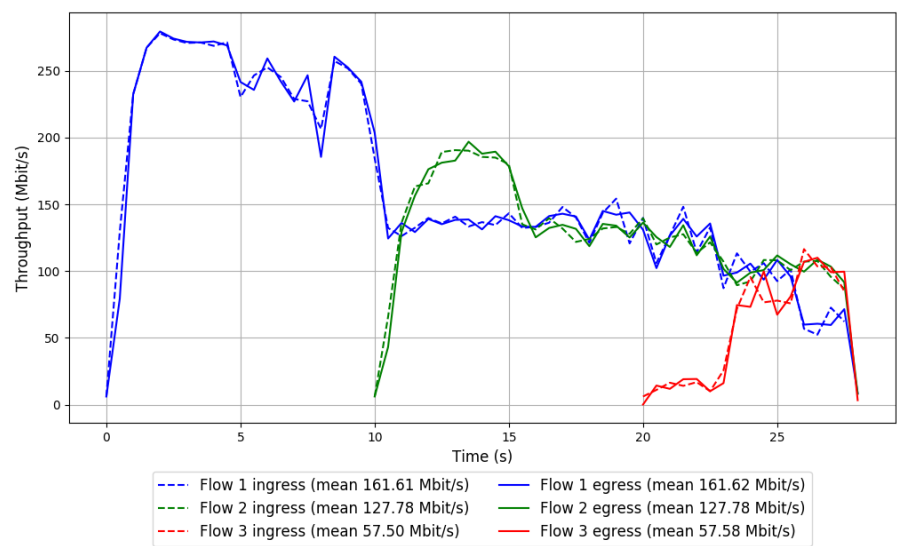


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-08 04:47:52
End at: 2017-09-08 04:48:22
Local clock offset: 0.095 ms
Remote clock offset: -2.833 ms

Below is generated by plot.py at 2017-09-08 06:33:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.82 Mbit/s
95th percentile per-packet one-way delay: 89.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.62 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.78 Mbit/s
95th percentile per-packet one-way delay: 90.294 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 88.251 ms
Loss rate: 0.01%

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

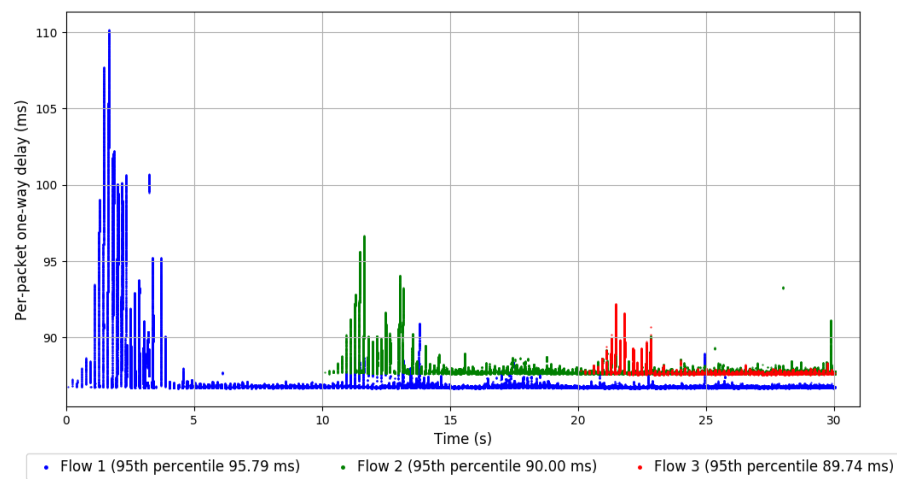
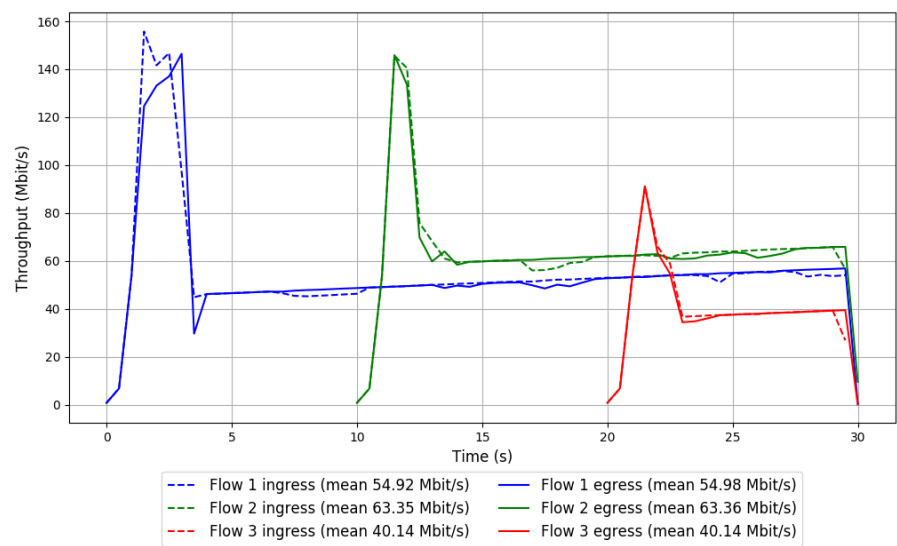


Run 1: Statistics of TCP Vegas

Start at: 2017-09-08 01:27:44
End at: 2017-09-08 01:28:14
Local clock offset: -0.012 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2017-09-08 06:33:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.45 Mbit/s
95th percentile per-packet one-way delay: 91.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 95.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 90.003 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 89.739 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-08 01:48:33

End at: 2017-09-08 01:49:03

Local clock offset: 0.126 ms

Remote clock offset: -8.05 ms

Below is generated by plot.py at 2017-09-08 06:33:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.07 Mbit/s

95th percentile per-packet one-way delay: 83.253 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 83.412 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 83.112 ms

Loss rate: 0.00%

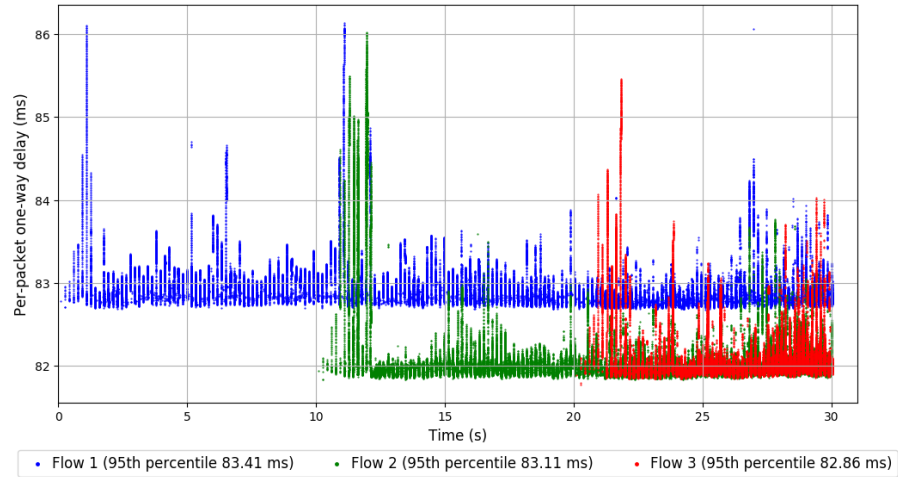
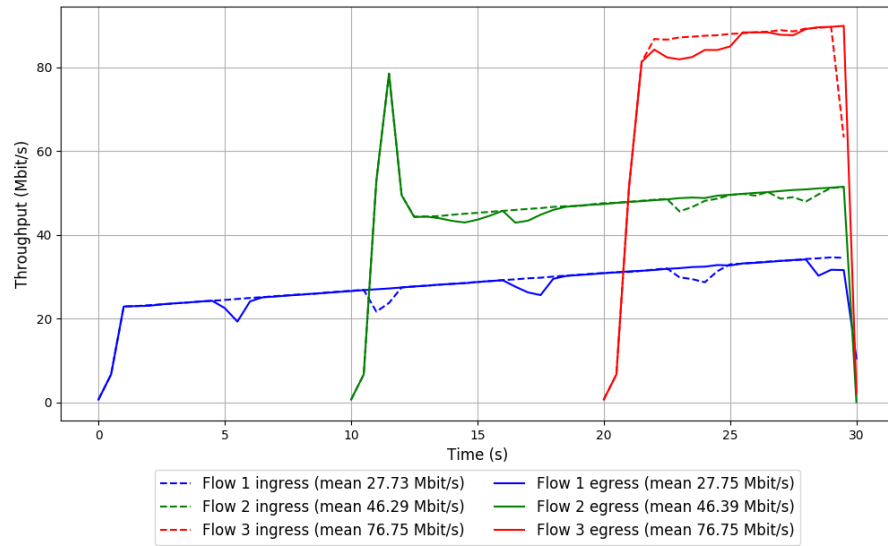
-- Flow 3:

Average throughput: 76.75 Mbit/s

95th percentile per-packet one-way delay: 82.857 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

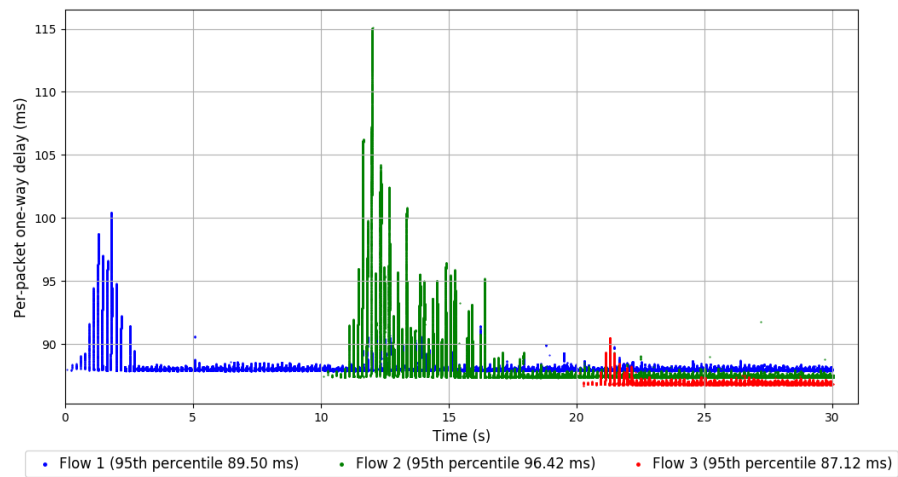
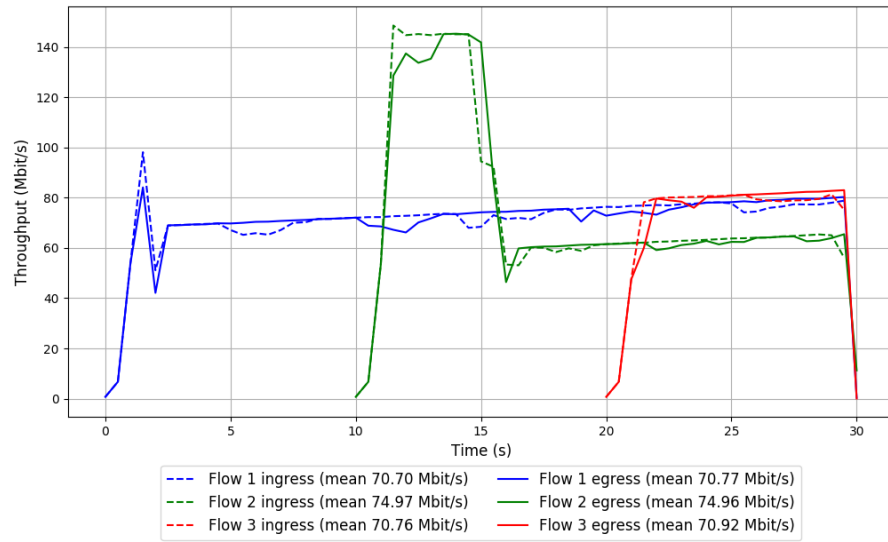


Run 3: Statistics of TCP Vegas

Start at: 2017-09-08 02:09:08
End at: 2017-09-08 02:09:38
Local clock offset: 0.127 ms
Remote clock offset: -3.367 ms

Below is generated by plot.py at 2017-09-08 06:33:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.11 Mbit/s
95th percentile per-packet one-way delay: 93.046 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.77 Mbit/s
95th percentile per-packet one-way delay: 89.503 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 96.421 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 87.124 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-09-08 02:29:59

End at: 2017-09-08 02:30:29

Local clock offset: 0.192 ms

Remote clock offset: -8.41 ms

Below is generated by plot.py at 2017-09-08 06:34:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.51 Mbit/s

95th percentile per-packet one-way delay: 83.656 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.52 Mbit/s

95th percentile per-packet one-way delay: 84.142 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.33 Mbit/s

95th percentile per-packet one-way delay: 84.323 ms

Loss rate: 0.00%

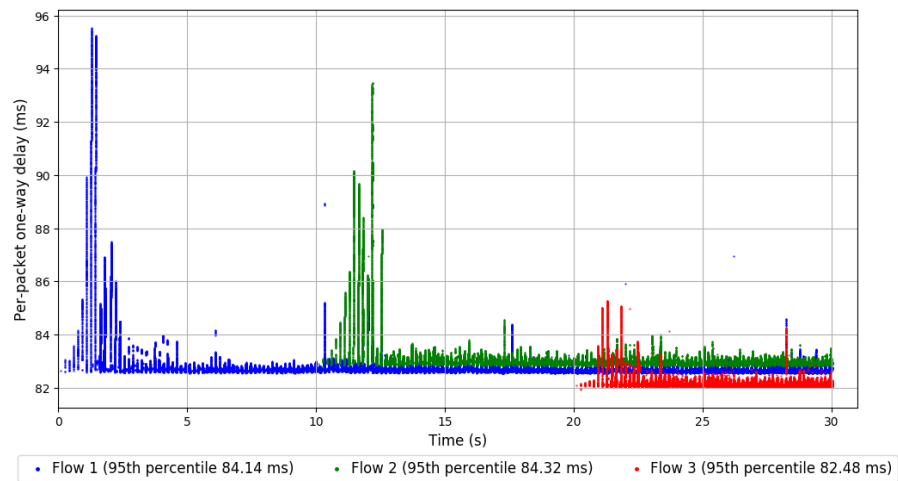
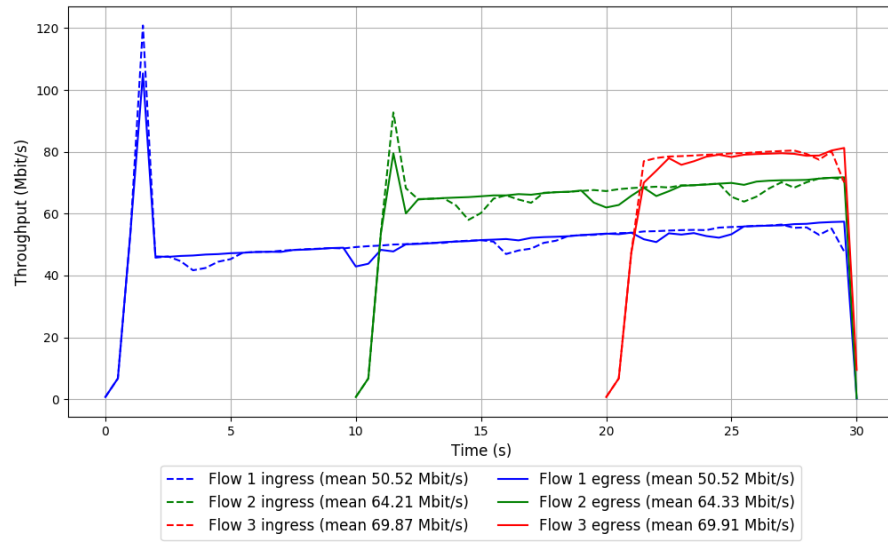
-- Flow 3:

Average throughput: 69.91 Mbit/s

95th percentile per-packet one-way delay: 82.480 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

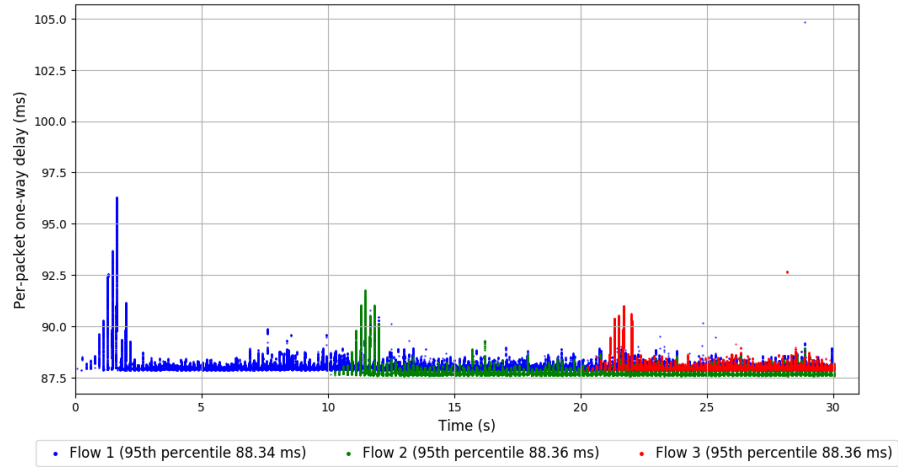
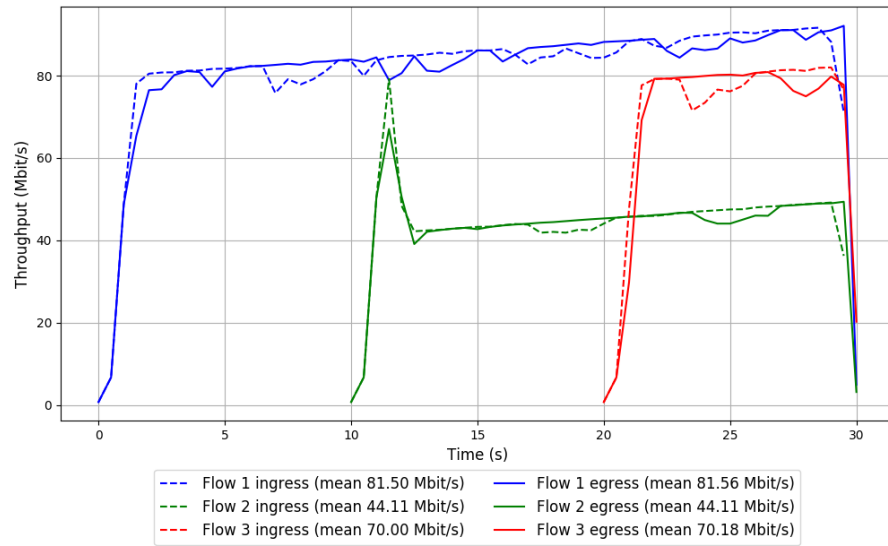


Run 5: Statistics of TCP Vegas

Start at: 2017-09-08 02:50:53
End at: 2017-09-08 02:51:23
Local clock offset: 0.196 ms
Remote clock offset: -3.118 ms

Below is generated by plot.py at 2017-09-08 06:34:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.14 Mbit/s
95th percentile per-packet one-way delay: 88.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 88.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 88.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 88.357 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

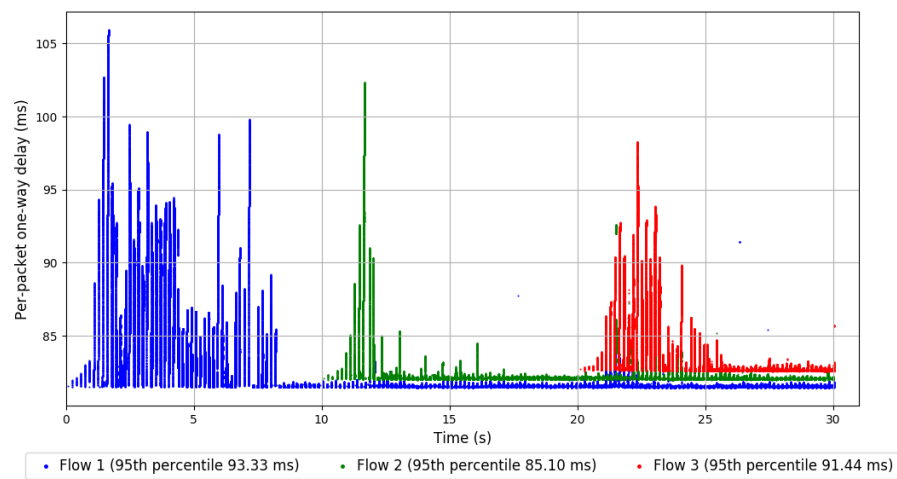
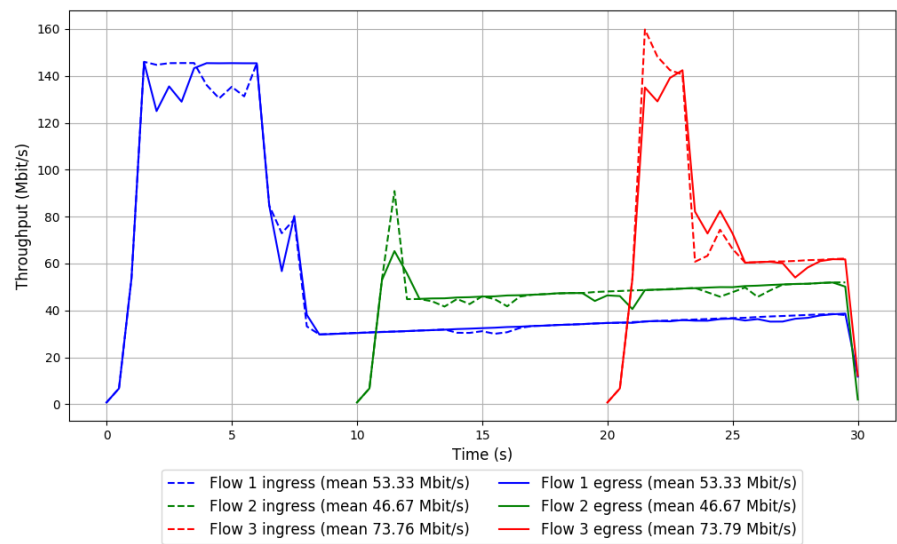


Run 6: Statistics of TCP Vegas

Start at: 2017-09-08 03:12:16
End at: 2017-09-08 03:12:46
Local clock offset: 0.242 ms
Remote clock offset: -7.879 ms

Below is generated by plot.py at 2017-09-08 06:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.87 Mbit/s
95th percentile per-packet one-way delay: 92.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 93.326 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 85.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.79 Mbit/s
95th percentile per-packet one-way delay: 91.437 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

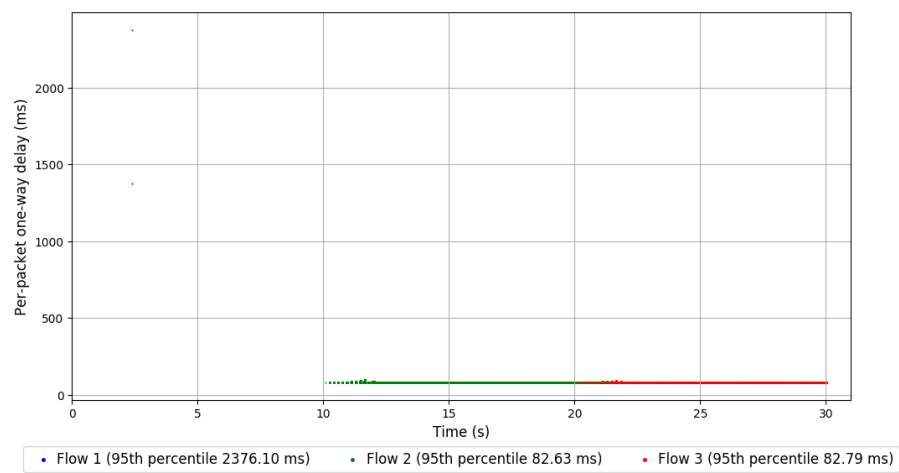
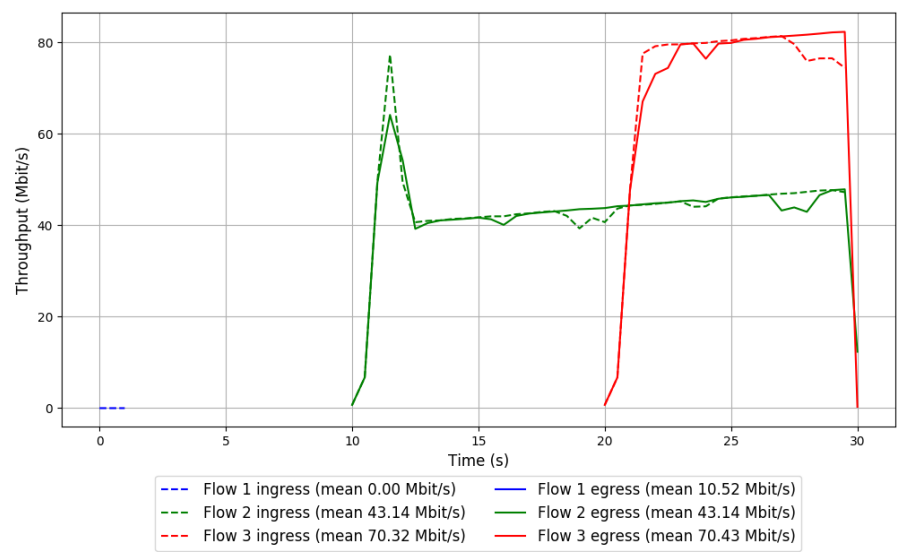


Run 7: Statistics of TCP Vegas

Start at: 2017-09-08 03:33:30
End at: 2017-09-08 03:34:00
Local clock offset: 0.259 ms
Remote clock offset: -7.499 ms

Below is generated by plot.py at 2017-09-08 06:34:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 82.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 2376.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 82.630 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 82.789 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-09-08 03:54:08

End at: 2017-09-08 03:54:38

Local clock offset: 0.278 ms

Remote clock offset: -2.49 ms

Below is generated by plot.py at 2017-09-08 06:34:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.68 Mbit/s

95th percentile per-packet one-way delay: 93.484 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 94.136 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.02 Mbit/s

95th percentile per-packet one-way delay: 87.650 ms

Loss rate: 0.00%

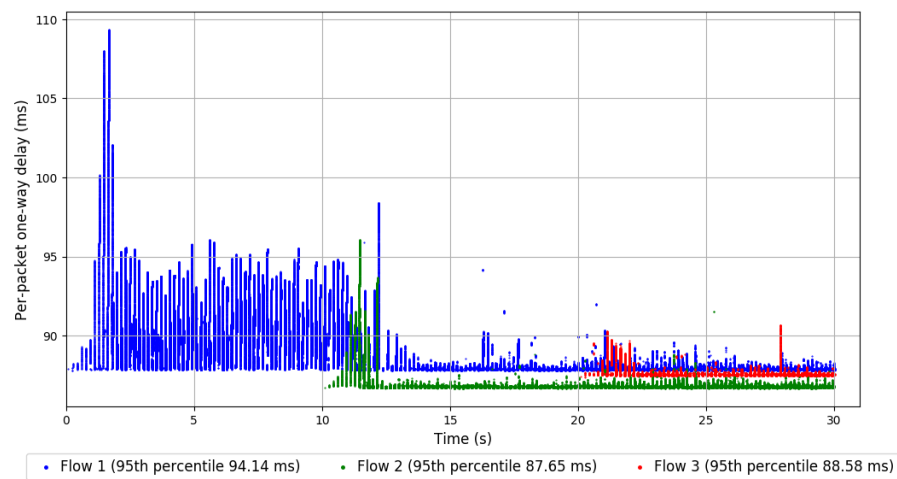
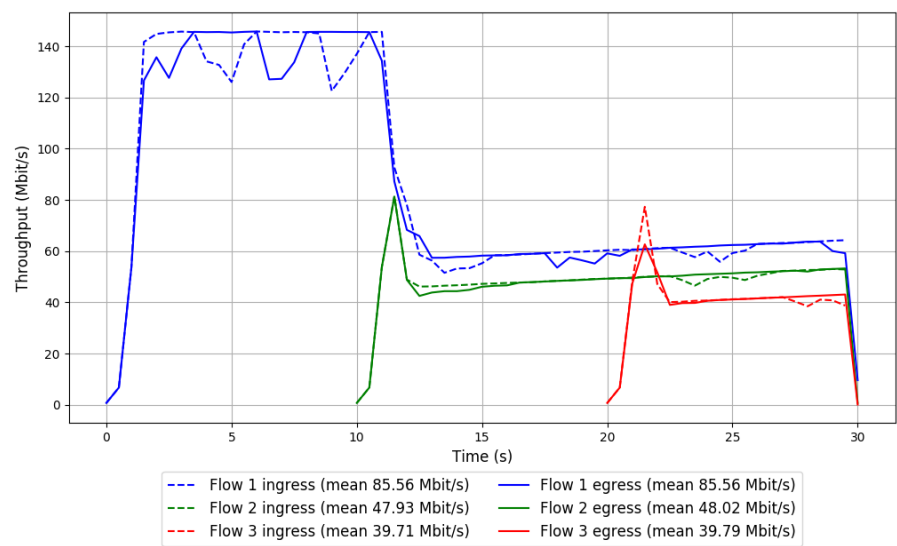
-- Flow 3:

Average throughput: 39.79 Mbit/s

95th percentile per-packet one-way delay: 88.575 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

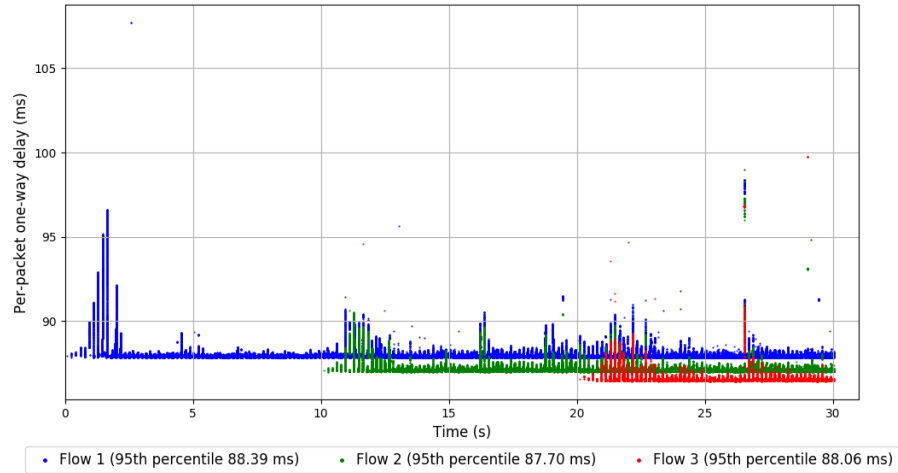
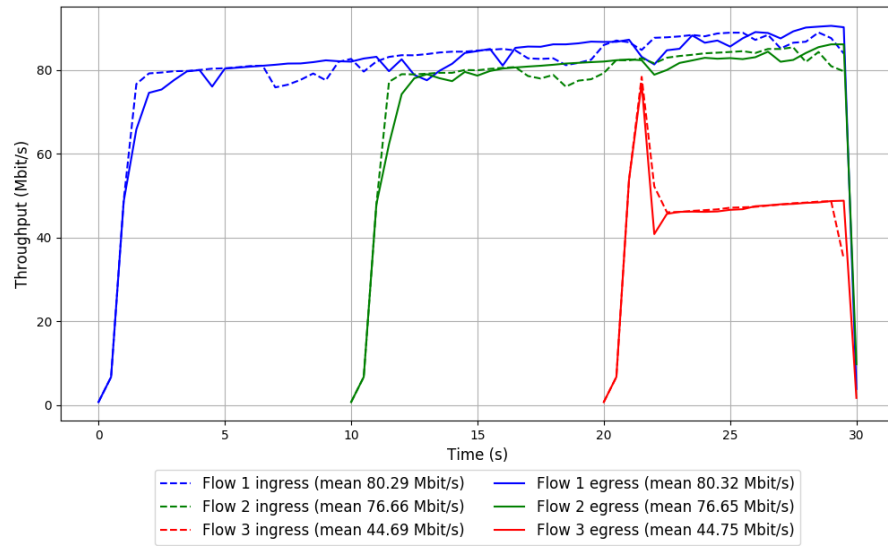


Run 9: Statistics of TCP Vegas

Start at: 2017-09-08 04:15:05
End at: 2017-09-08 04:15:35
Local clock offset: 0.234 ms
Remote clock offset: -2.653 ms

Below is generated by plot.py at 2017-09-08 06:34:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.16 Mbit/s
95th percentile per-packet one-way delay: 88.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.32 Mbit/s
95th percentile per-packet one-way delay: 88.392 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 87.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 88.060 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

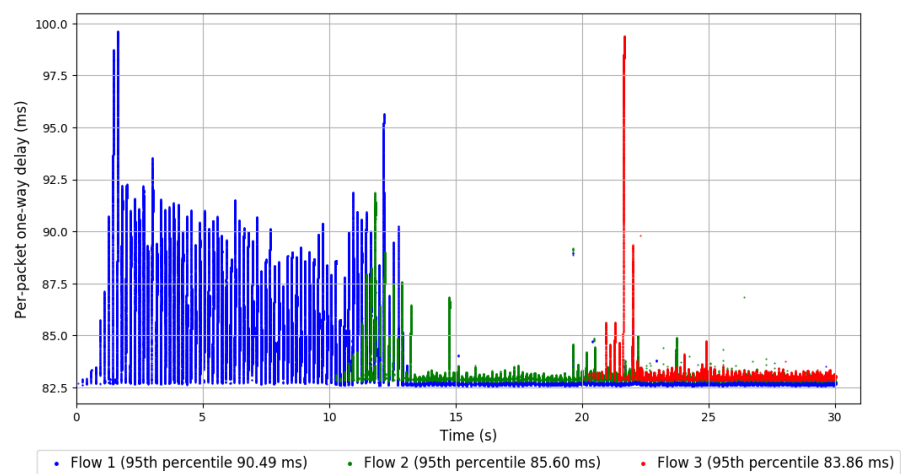
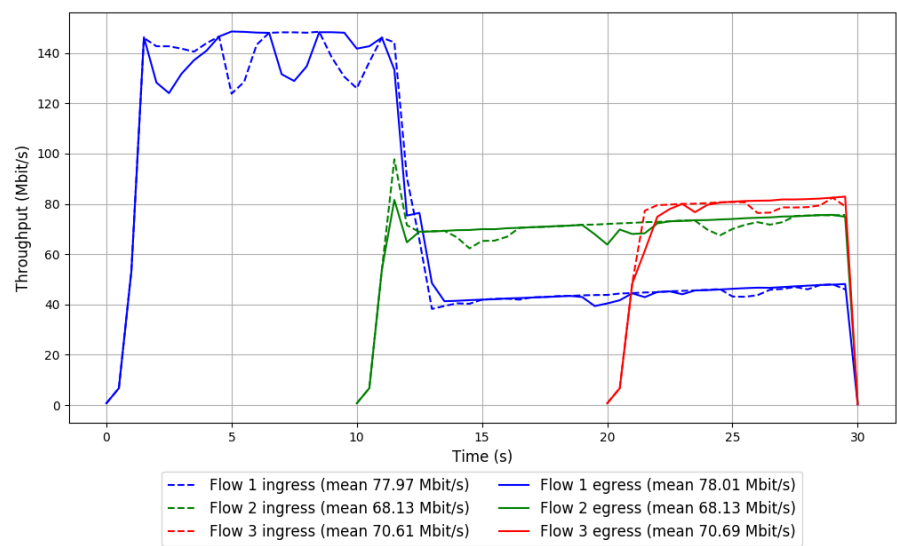


Run 10: Statistics of TCP Vegas

Start at: 2017-09-08 04:35:57
End at: 2017-09-08 04:36:27
Local clock offset: 0.202 ms
Remote clock offset: -7.823 ms

Below is generated by plot.py at 2017-09-08 06:34:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 89.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 90.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 85.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 83.862 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

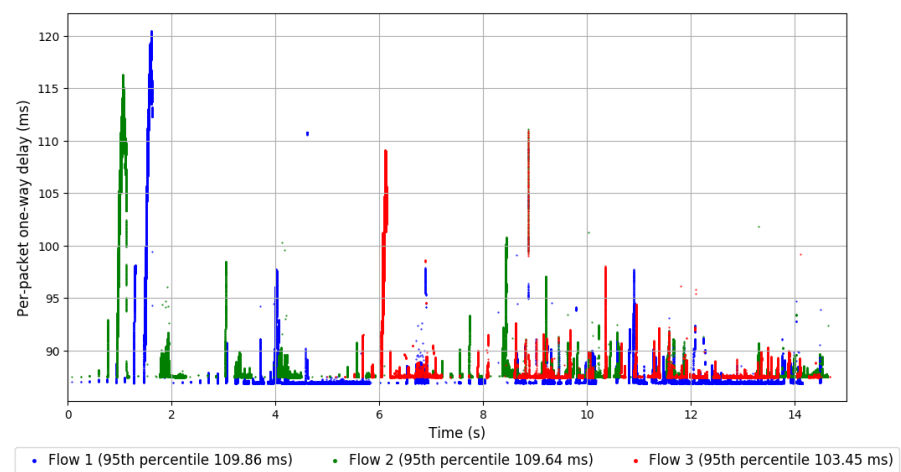
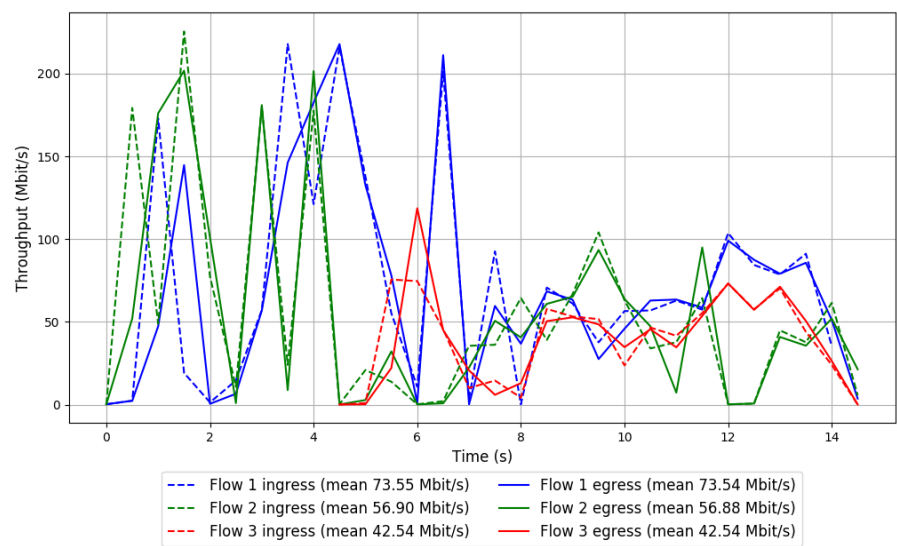
Start at: 2017-09-08 01:30:31

End at: 2017-09-08 01:31:01

Local clock offset: 0.079 ms

Remote clock offset: -3.002 ms

Run 1: Report of Verus — Data Link

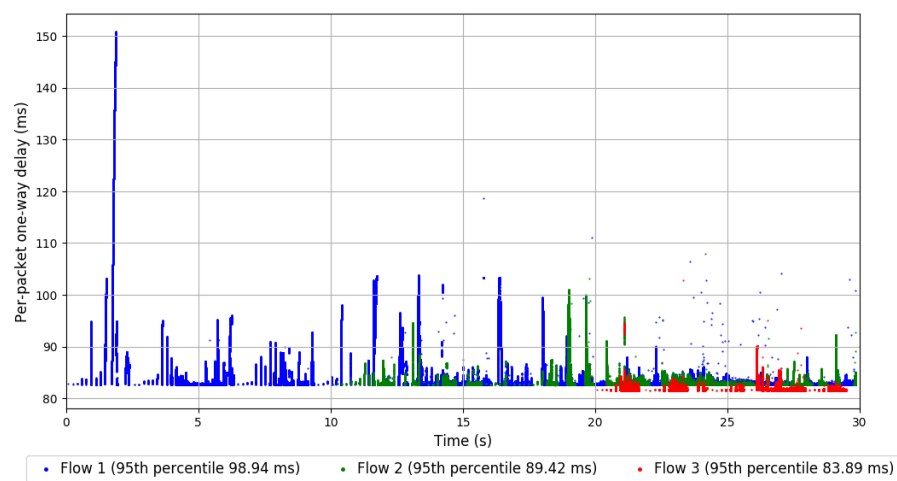
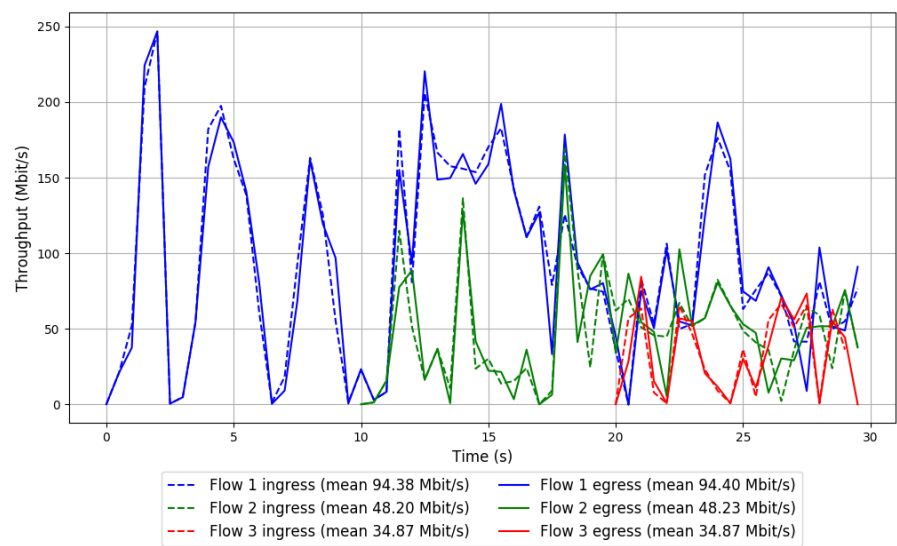


Run 2: Statistics of Verus

Start at: 2017-09-08 01:51:17
End at: 2017-09-08 01:51:47
Local clock offset: 0.11 ms
Remote clock offset: -8.124 ms

Below is generated by plot.py at 2017-09-08 06:35:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.44 Mbit/s
95th percentile per-packet one-way delay: 95.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 98.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 89.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 83.889 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

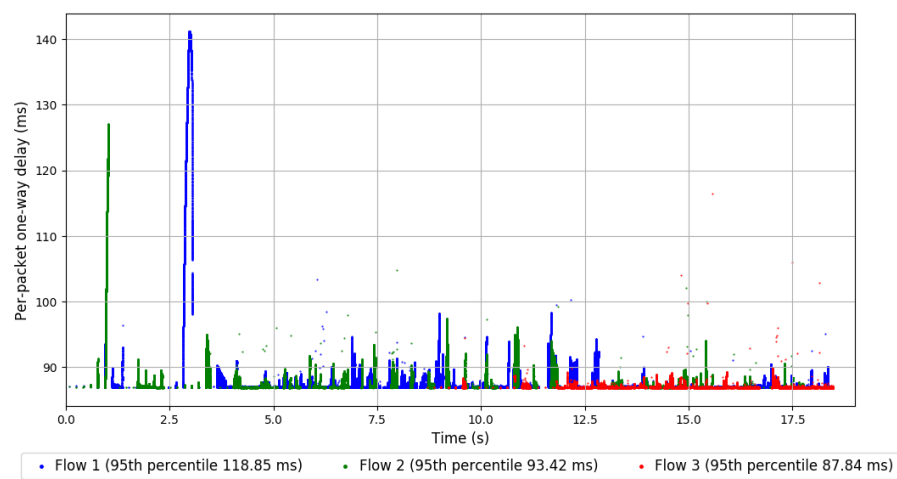
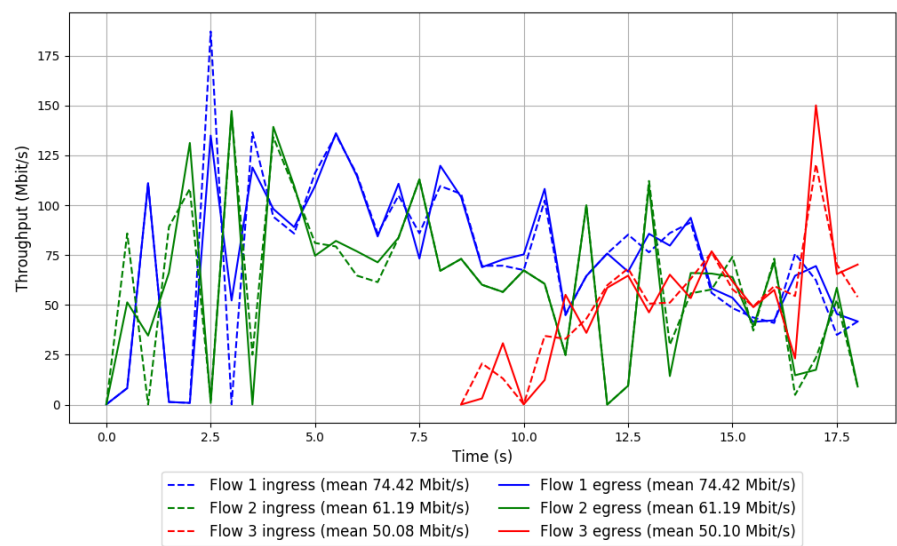
Start at: 2017-09-08 02:11:56

End at: 2017-09-08 02:12:27

Local clock offset: 0.044 ms

Remote clock offset: -3.381 ms

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

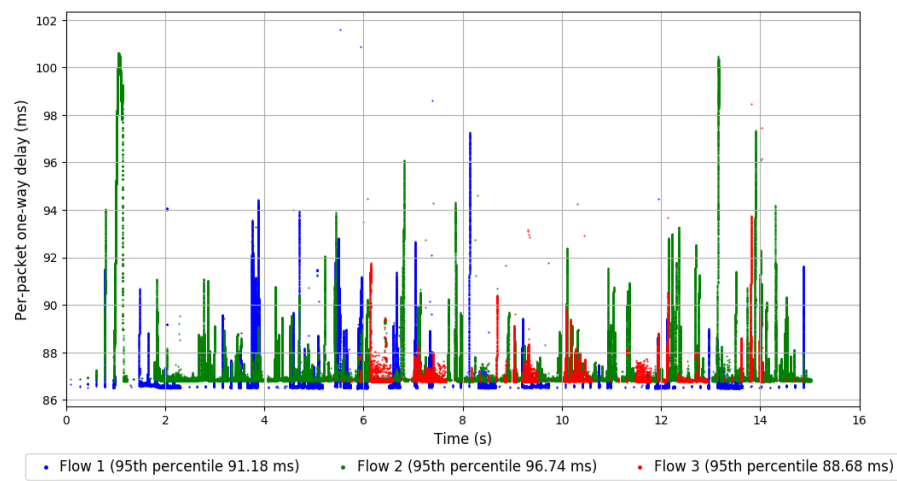
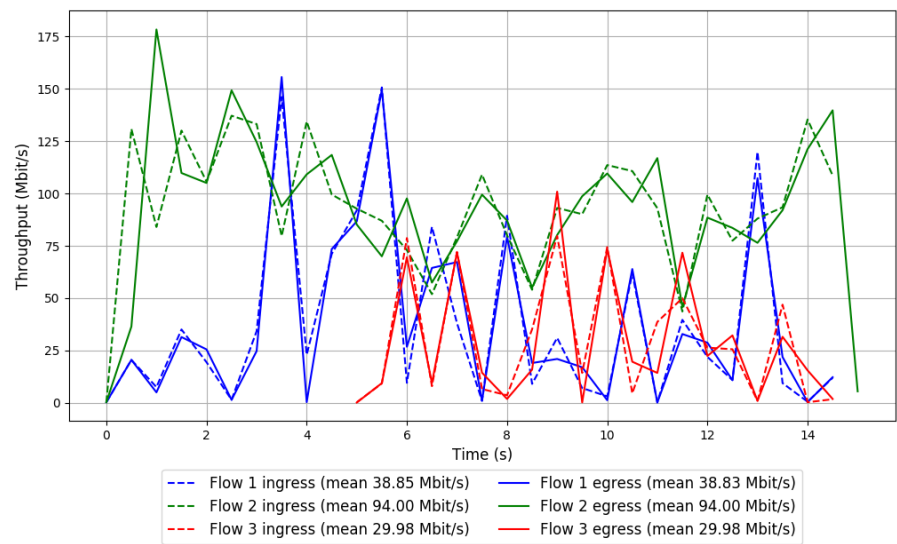
Start at: 2017-09-08 02:32:48

End at: 2017-09-08 02:33:18

Local clock offset: 0.179 ms

Remote clock offset: -3.376 ms

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

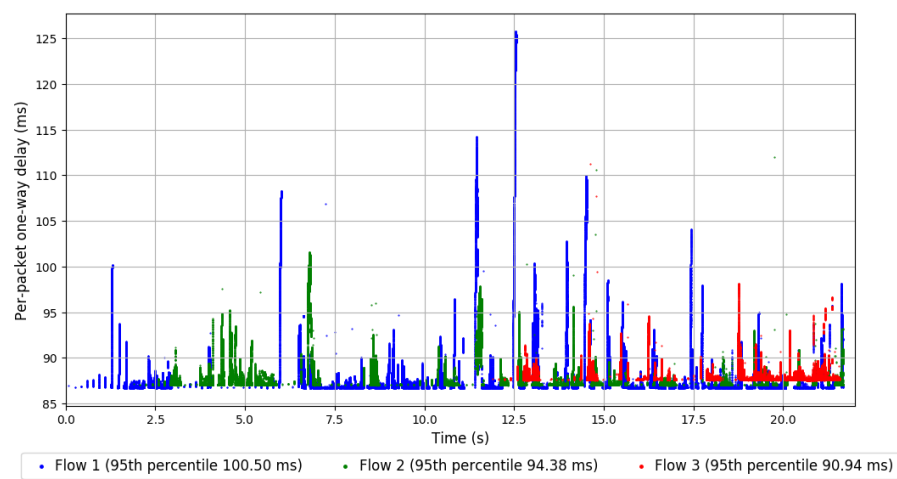
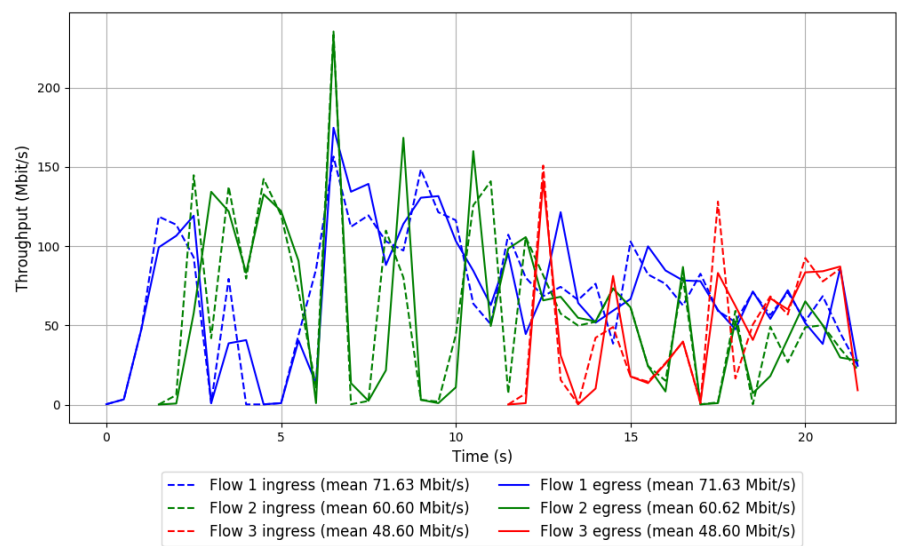
Start at: 2017-09-08 02:53:48

End at: 2017-09-08 02:54:19

Local clock offset: 0.23 ms

Remote clock offset: -3.084 ms

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

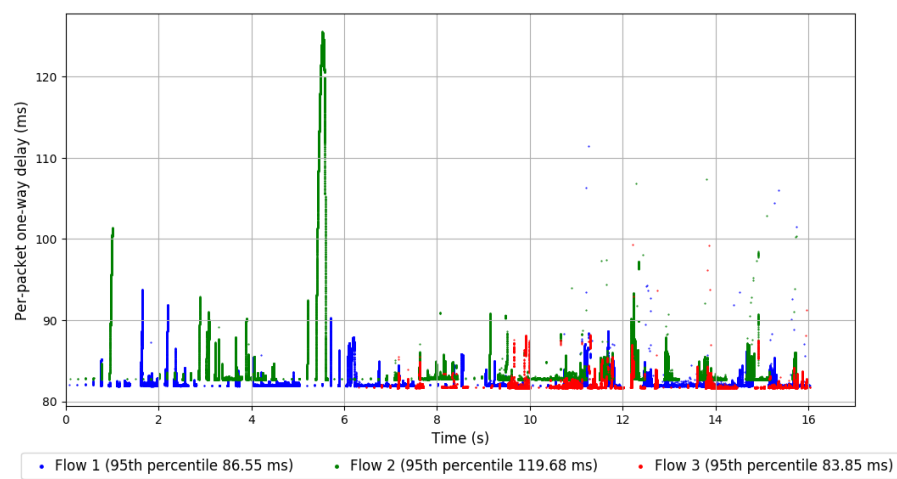
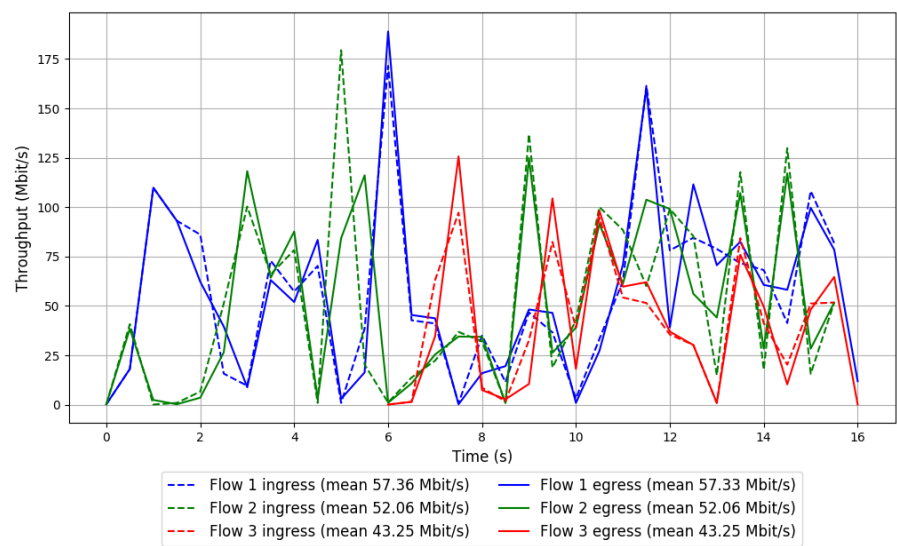
Start at: 2017-09-08 03:15:05

End at: 2017-09-08 03:15:35

Local clock offset: 0.25 ms

Remote clock offset: -7.679 ms

Run 6: Report of Verus — Data Link

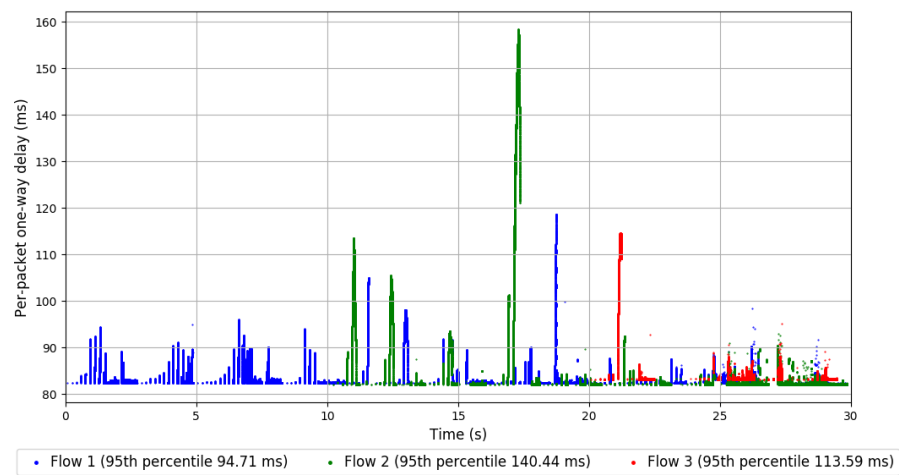
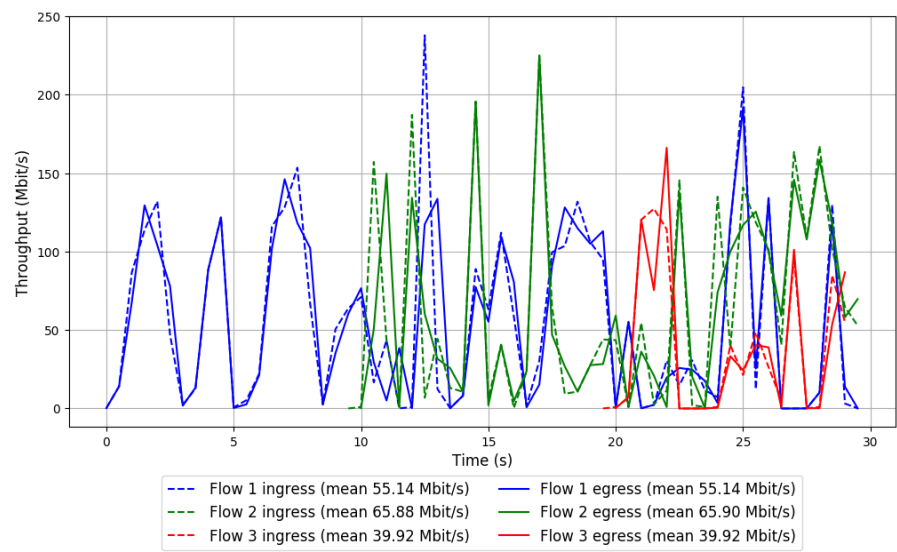


Run 7: Statistics of Verus

Start at: 2017-09-08 03:36:13
End at: 2017-09-08 03:36:43
Local clock offset: 0.254 ms
Remote clock offset: -7.591 ms

Below is generated by plot.py at 2017-09-08 06:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.37 Mbit/s
95th percentile per-packet one-way delay: 109.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 94.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 140.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 113.595 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

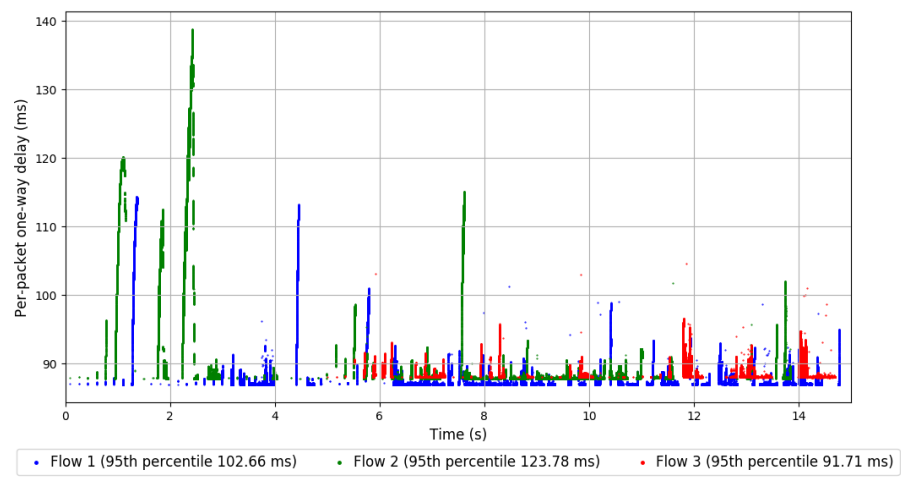
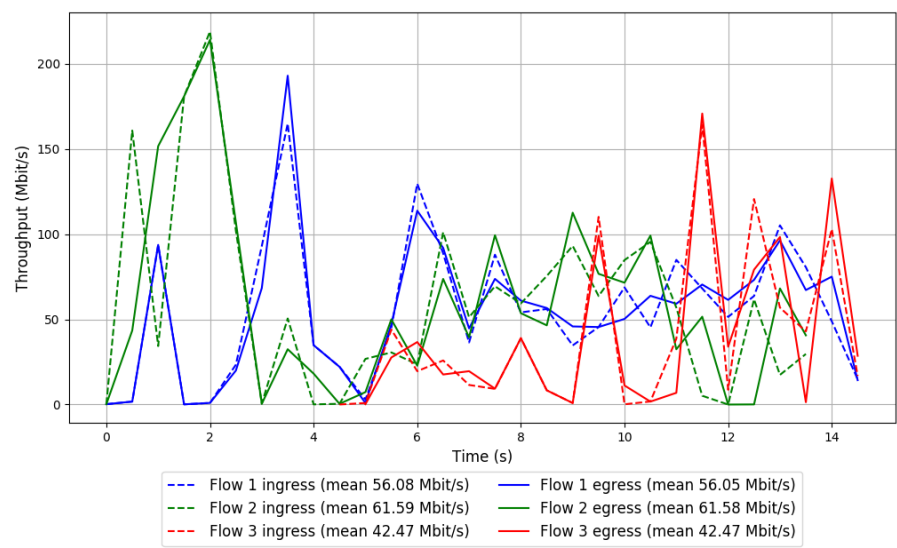
Start at: 2017-09-08 03:56:57

End at: 2017-09-08 03:57:27

Local clock offset: 0.262 ms

Remote clock offset: -2.34 ms

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

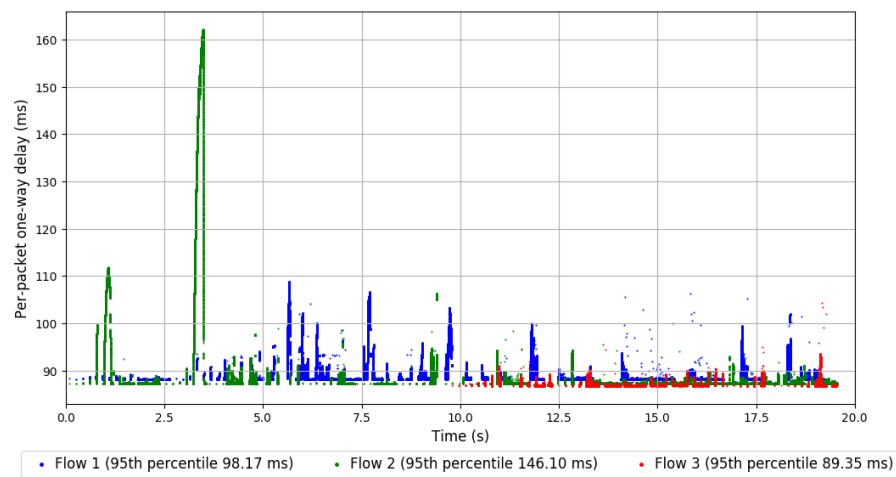
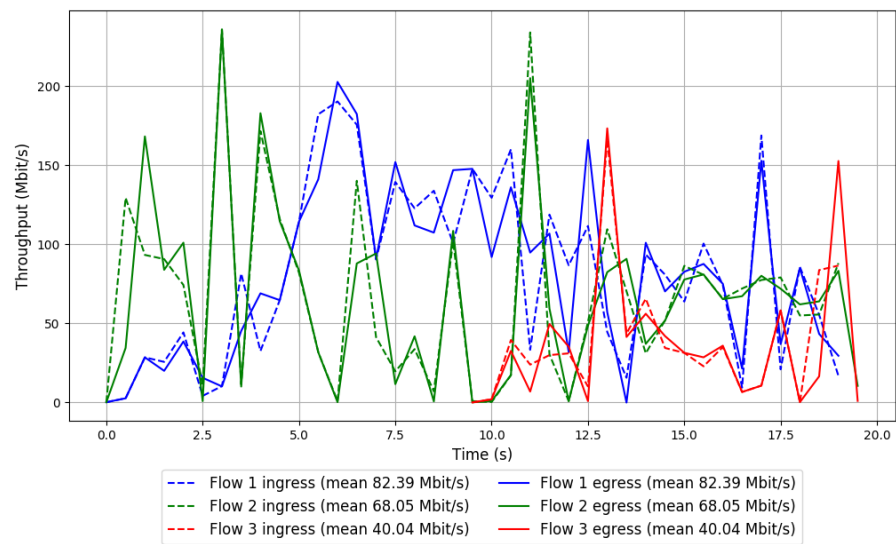
Start at: 2017-09-08 04:17:57

End at: 2017-09-08 04:18:27

Local clock offset: 0.214 ms

Remote clock offset: -2.679 ms

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

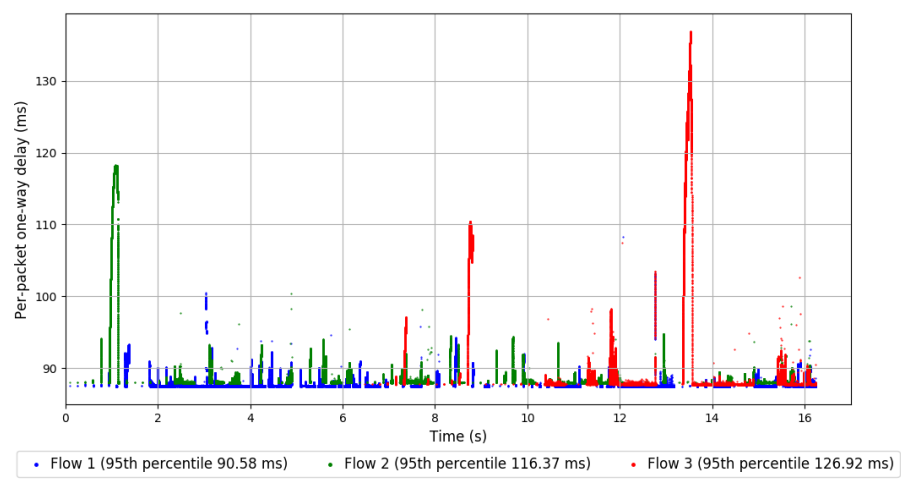
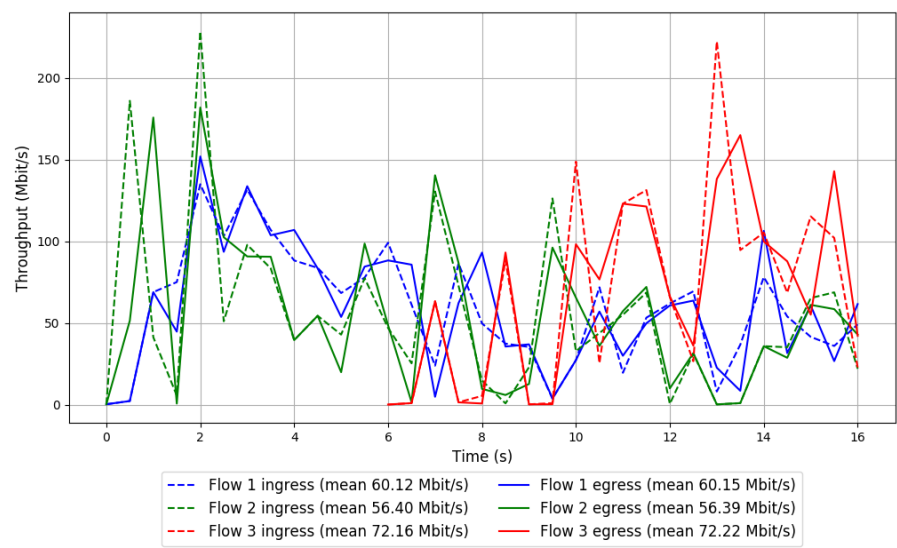
Start at: 2017-09-08 04:38:49

End at: 2017-09-08 04:39:19

Local clock offset: 0.126 ms

Remote clock offset: -2.756 ms

Run 10: Report of Verus — Data Link

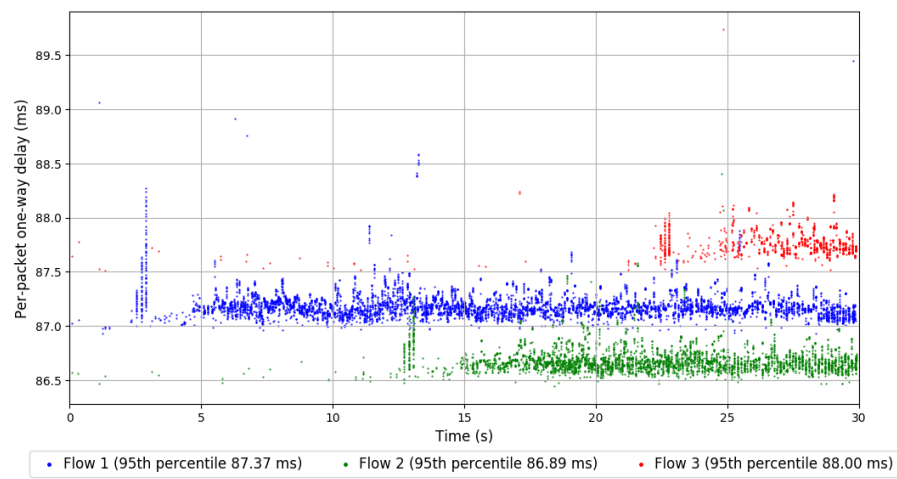
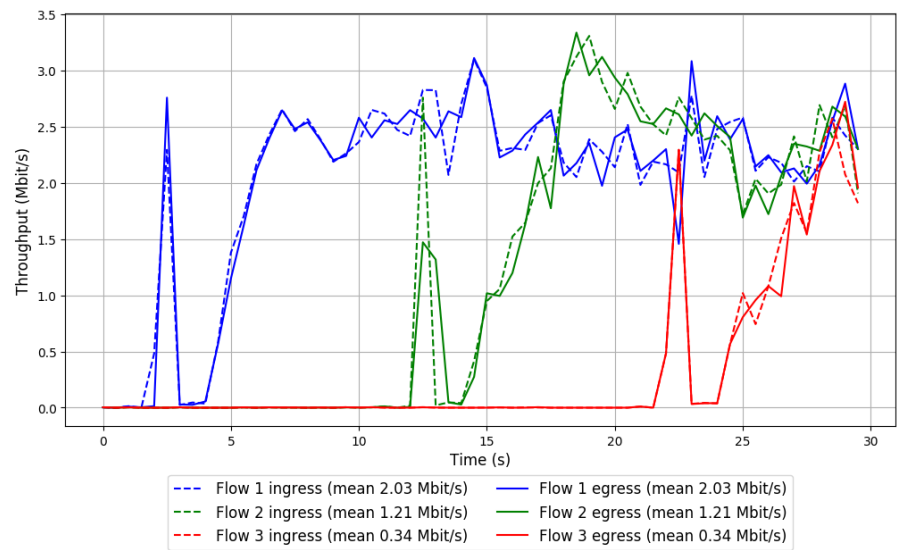


Run 1: Statistics of WebRTC media

Start at: 2017-09-08 01:35:49
End at: 2017-09-08 01:36:19
Local clock offset: 0.087 ms
Remote clock offset: -2.977 ms

Below is generated by plot.py at 2017-09-08 06:35:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 87.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 87.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 87.997 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

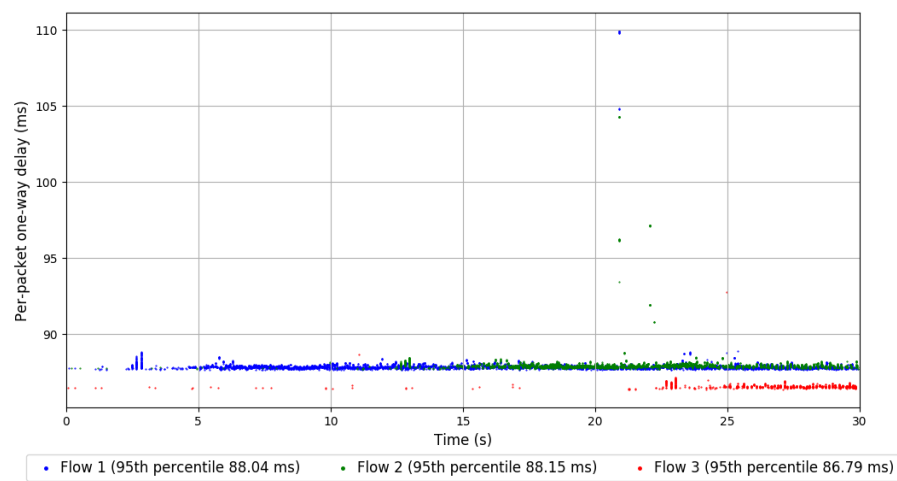
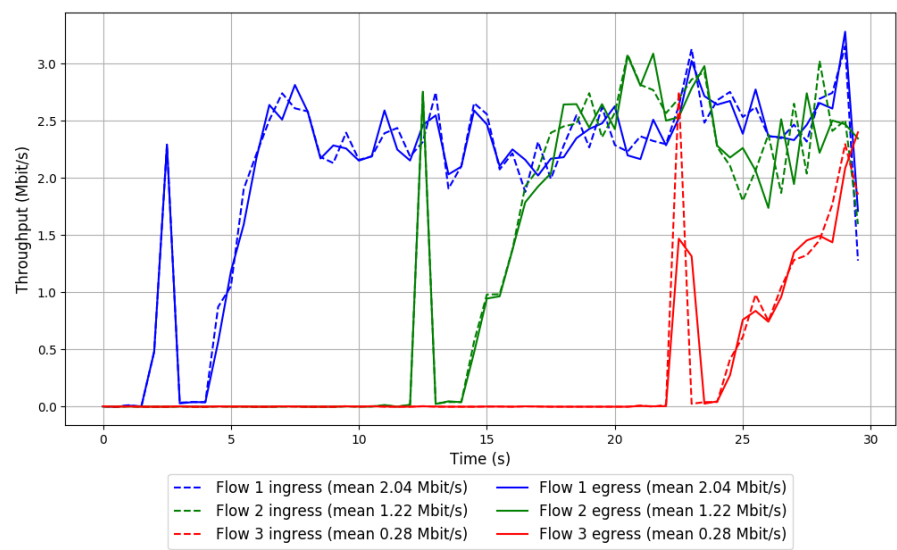


Run 2: Statistics of WebRTC media

Start at: 2017-09-08 01:56:37
End at: 2017-09-08 01:57:07
Local clock offset: 0.079 ms
Remote clock offset: -3.387 ms

Below is generated by plot.py at 2017-09-08 06:35:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 88.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 88.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 88.152 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.790 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

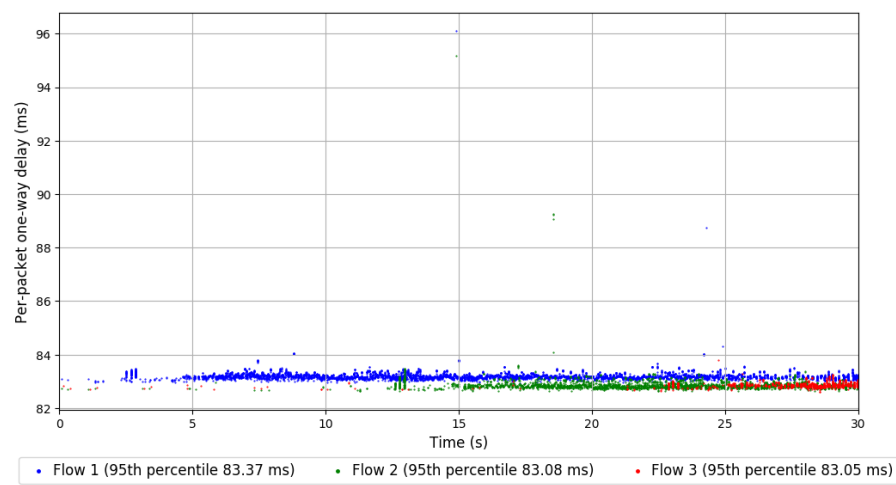
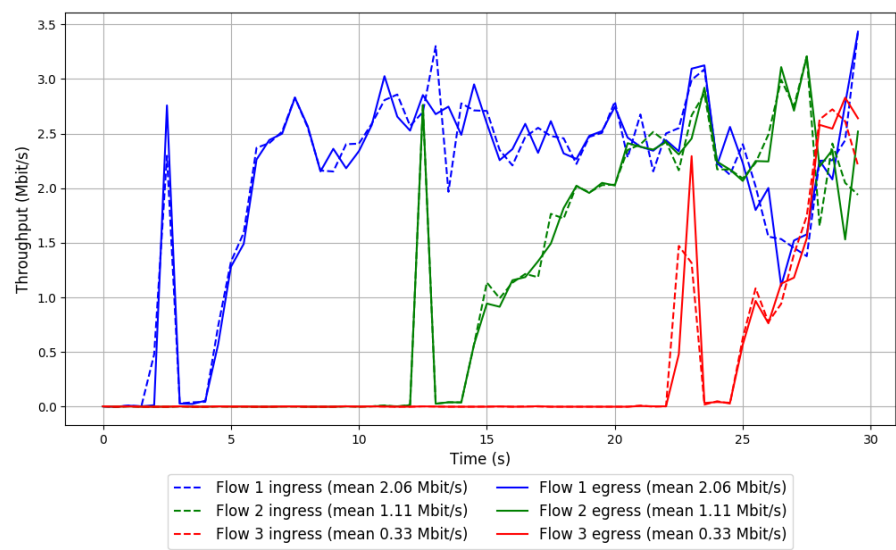


Run 3: Statistics of WebRTC media

Start at: 2017-09-08 02:17:21
End at: 2017-09-08 02:17:51
Local clock offset: 0.148 ms
Remote clock offset: -8.227 ms

Below is generated by plot.py at 2017-09-08 06:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 83.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 83.368 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 83.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 83.049 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

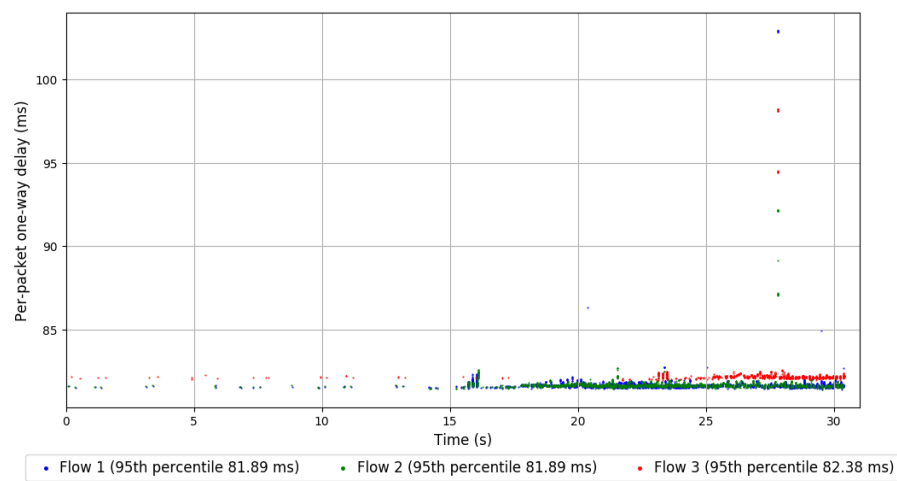
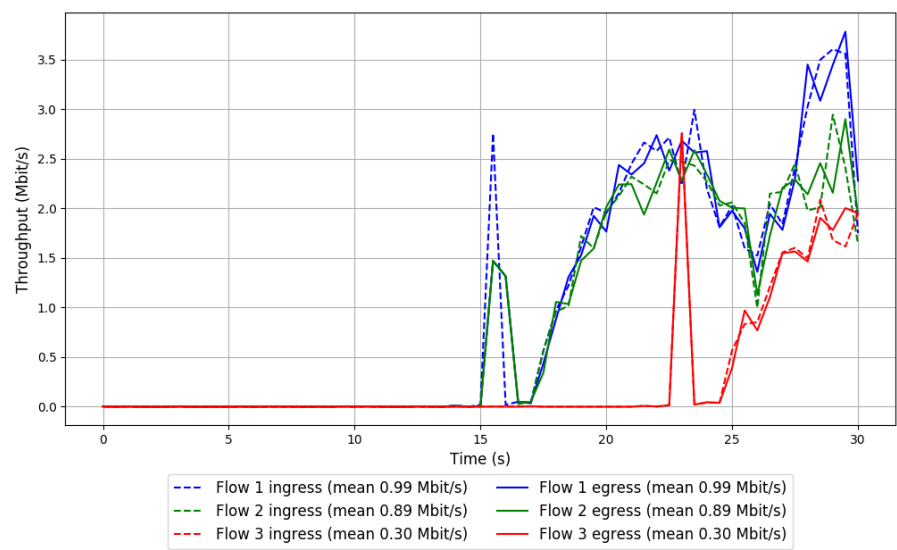


Run 4: Statistics of WebRTC media

Start at: 2017-09-08 02:38:17
End at: 2017-09-08 02:38:48
Local clock offset: 0.185 ms
Remote clock offset: -8.266 ms

Below is generated by plot.py at 2017-09-08 06:36:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 82.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 81.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 81.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 82.384 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

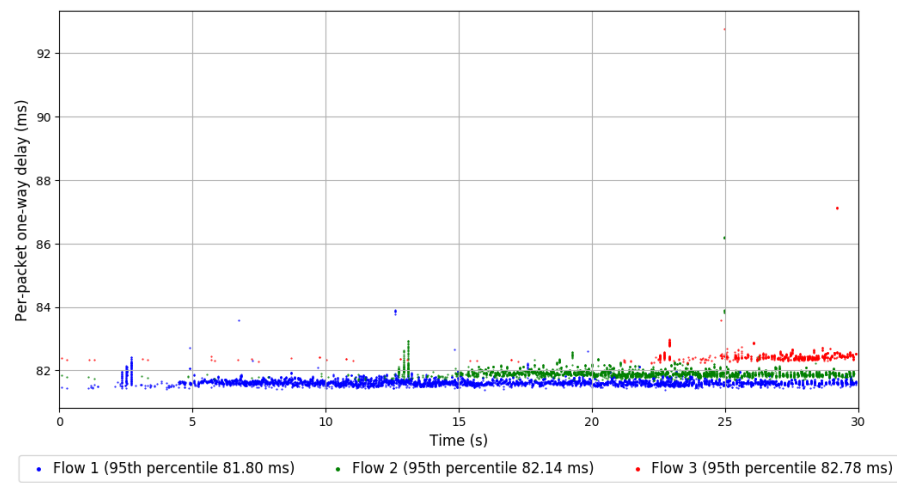
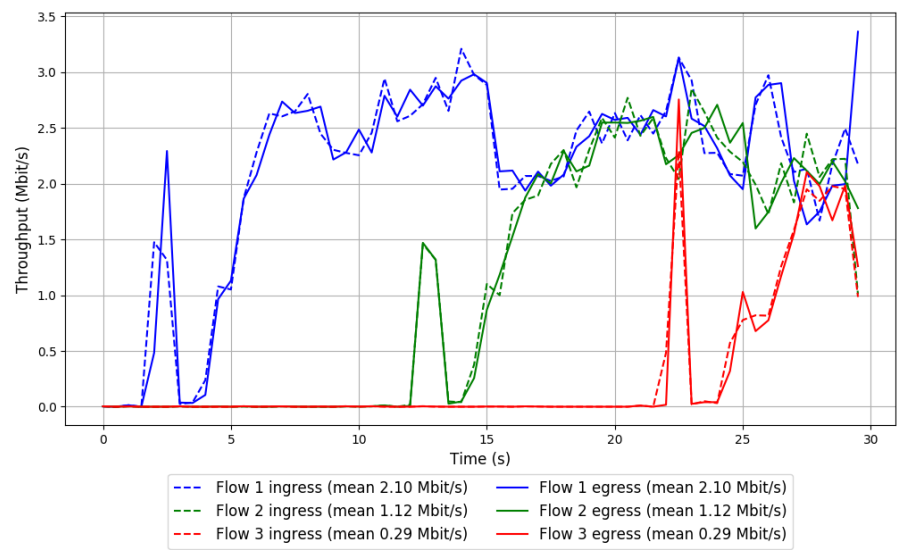


Run 5: Statistics of WebRTC media

Start at: 2017-09-08 02:59:14
End at: 2017-09-08 02:59:44
Local clock offset: 0.236 ms
Remote clock offset: -8.015 ms

Below is generated by plot.py at 2017-09-08 06:36:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 82.424 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 81.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 82.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 82.779 ms
Loss rate: 0.11%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-09-08 03:20:20

End at: 2017-09-08 03:20:50

Local clock offset: 0.267 ms

Remote clock offset: -2.79 ms

Below is generated by plot.py at 2017-09-08 06:36:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 87.129 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 87.012 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 87.086 ms

Loss rate: 0.00%

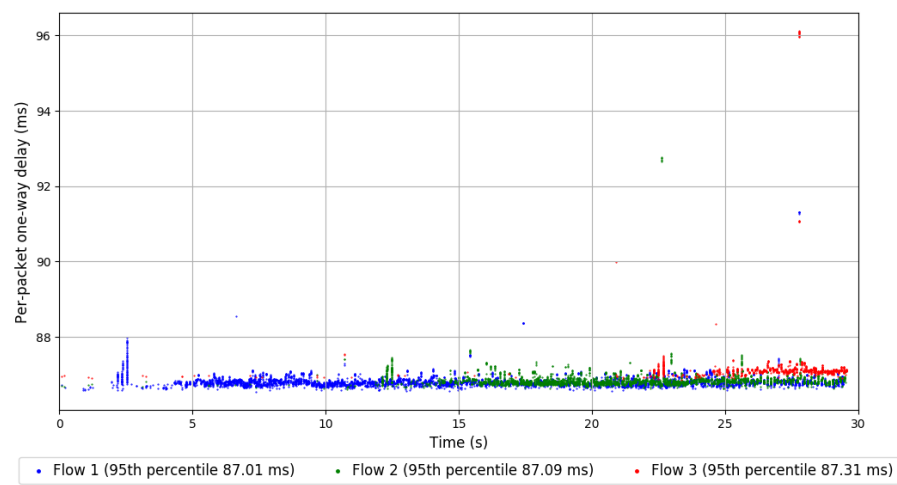
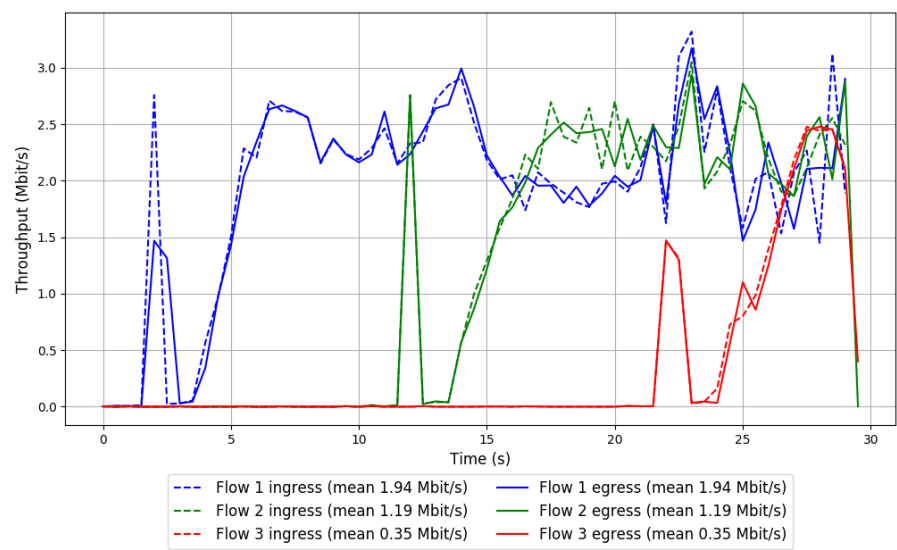
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 87.315 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

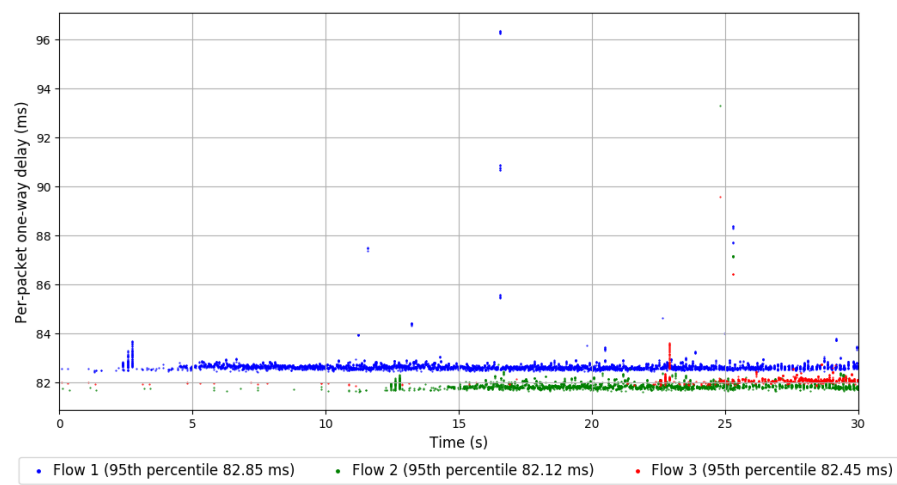
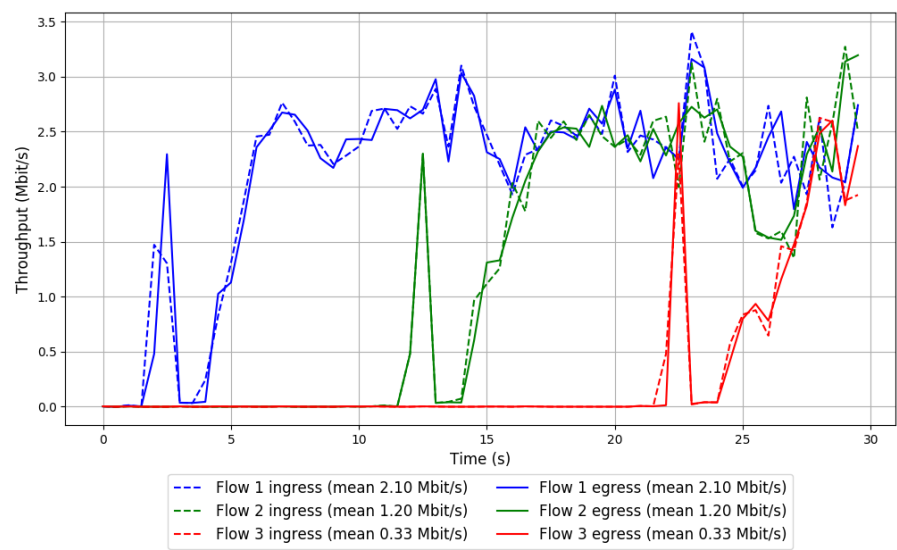


Run 7: Statistics of WebRTC media

Start at: 2017-09-08 03:41:32
End at: 2017-09-08 03:42:02
Local clock offset: 0.231 ms
Remote clock offset: -7.551 ms

Below is generated by plot.py at 2017-09-08 06:36:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 82.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 82.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 82.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 82.447 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

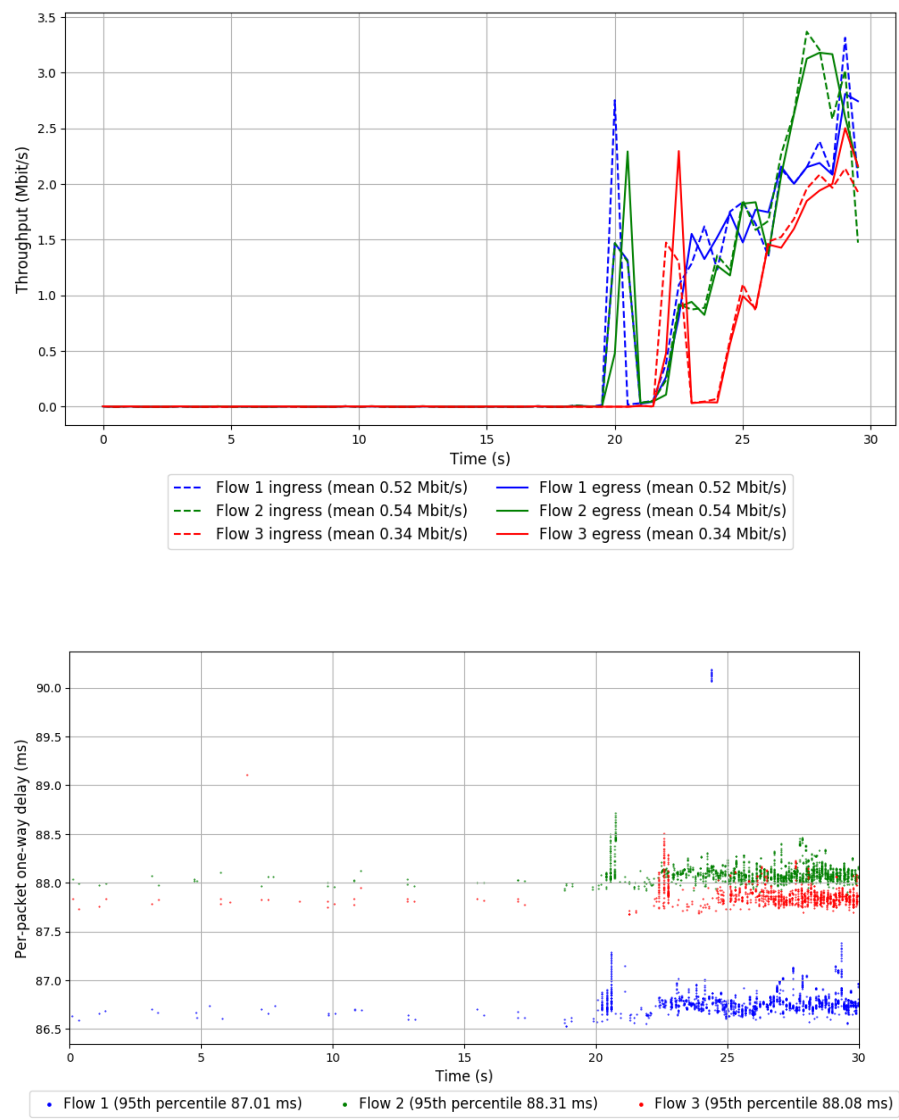


Run 8: Statistics of WebRTC media

Start at: 2017-09-08 04:02:13
End at: 2017-09-08 04:02:43
Local clock offset: 0.225 ms
Remote clock offset: -2.676 ms

Below is generated by plot.py at 2017-09-08 06:36:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 88.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 87.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 88.307 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 88.081 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

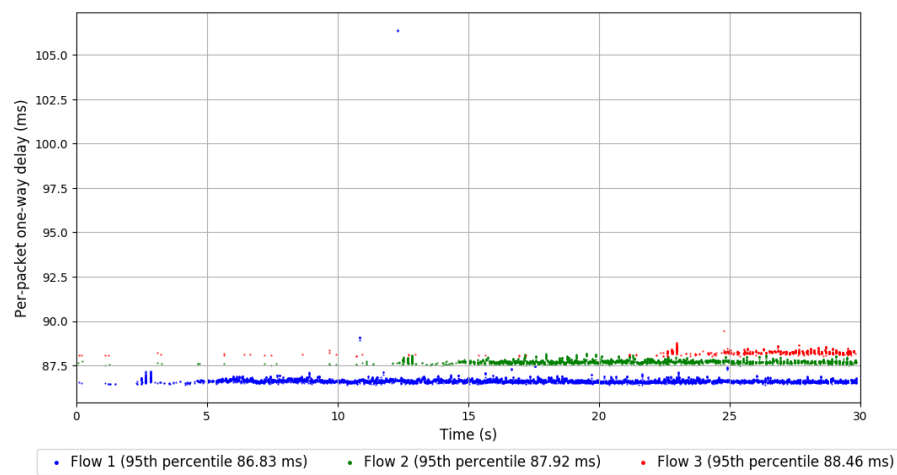
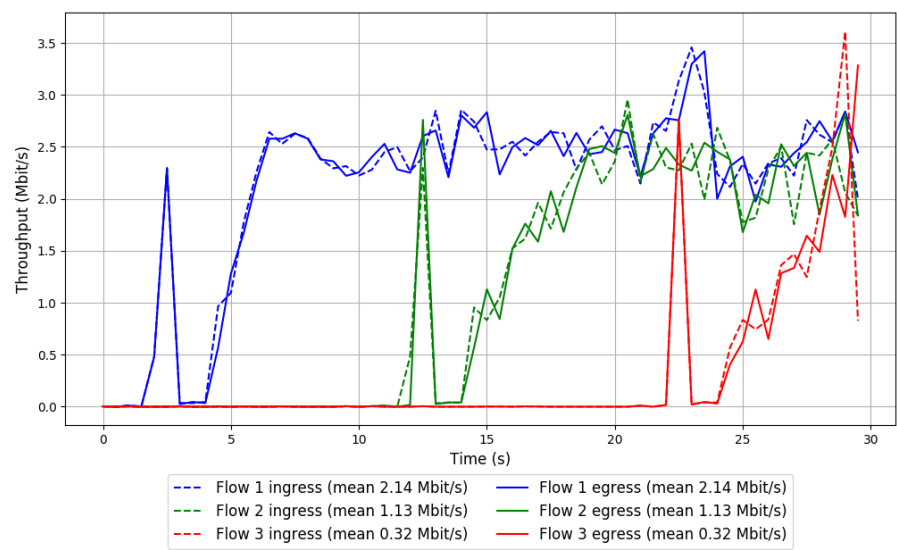


Run 9: Statistics of WebRTC media

Start at: 2017-09-08 04:23:24
End at: 2017-09-08 04:23:54
Local clock offset: 0.193 ms
Remote clock offset: -2.708 ms

Below is generated by plot.py at 2017-09-08 06:36:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 88.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 86.827 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 87.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 88.457 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-08 04:44:11
End at: 2017-09-08 04:44:41
Local clock offset: 0.169 ms
Remote clock offset: -7.772 ms

Below is generated by plot.py at 2017-09-08 06:36:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 83.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 82.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 82.413 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 83.230 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

