

## 1 Hz grayscale .pgm time-lapse and timestamp tracing analysis

Aug 11 09:04:11 raspberrypi sample: FORCING FORMAT
Aug 11 09:04:11 raspberrypi sample: allocated buffer 0
Aug 11 09:04:11 raspberrypi sample: allocated buffer 1
Aug 11 09:04:11 raspberrypi sample: allocated buffer 2
Aug 11 09:04:11 raspberrypi sample: allocated buffer 3
Aug 11 09:04:11 raspberrypi sample: allocated buffer 4
Aug 11 09:04:11 raspberrypi sample: allocated buffer 5
Aug 11 09:04:12 raspberrypi sample: Frame Sampler thread @ sec=0, msec=974
Aug 11 09:04:12 raspberrypi sample: Sequencer thread @ sec=0, msec=974
Aug 11 09:04:12 raspberrypi sample: Frame storage thread @ sec=0, msec=974
Aug 11 09:04:13 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:13 raspberrypi sample: Frame Sampler release 1 @ sec=1, msec=975
Aug 11 09:04:13 raspberrypi sample: Frame storage thread release 1 @ sec=1, msec=975
Aug 11 09:04:14 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:14 raspberrypi sample: Frame Sampler release 2 @ sec=2, msec=976
Aug 11 09:04:14 raspberrypi sample: Frame storage thread release 2 @ sec=2, msec=976
Aug 11 09:04:15 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:15 raspberrypi sample: Frame Sampler release 3 @ sec=3, msec=976
Aug 11 09:04:15 raspberrypi sample: Frame storage thread release 3 @ sec=3, msec=976
Aug 11 09:04:16 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:16 raspberrypi sample: Frame Sampler release 4 @ sec=4, msec=976
Aug 11 09:04:16 raspberrypi sample: Frame storage thread release 4 @ sec=4, msec=976
Aug 11 09:04:17 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:17 raspberrypi sample: Frame Sampler release 5 @ sec=5, msec=977
Aug 11 09:04:17 raspberrypi sample: Frame storage thread release 5 @ sec=5, msec=977
Aug 11 09:04:18 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:18 raspberrypi sample: Frame Sampler release 6 @ sec=6, msec=977
Aug 11 09:04:18 raspberrypi sample: Frame storage thread release 6 @ sec=6, msec=977
Aug 11 09:04:19 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:19 raspberrypi sample: Frame Sampler release 7 @ sec=7, msec=978
Aug 11 09:04:19 raspberrypi sample: Frame storage thread release 7 @ sec=7, msec=978
Aug 11 09:04:20 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:20 raspberrypi sample: Frame Sampler release 8 @ sec=8, msec=978
Aug 11 09:04:20 raspberrypi sample: Frame storage thread release 8 @ sec=8, msec=978
Aug 11 09:04:21 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:21 raspberrypi sample: Frame Sampler release 9 @ sec=9, msec=978
Aug 11 09:04:21 raspberrypi sample: Frame storage thread release 9 @ sec=9, msec=979
Aug 11 09:04:22 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:22 raspberrypi sample: Frame Sampler release 10 @ sec=10, msec=979
Aug 11 09:04:22 raspberrypi sample: Frame storage thread release 10 @ sec=10, msec=979
Aug 11 09:04:23 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:23 raspberrypi sample: Frame Sampler release 11 @ sec=11, msec=979
Aug 11 09:04:23 raspberrypi sample: frame 1:
Aug 11 09:04:23 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:23 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:23 raspberrypi sample: Frame storage thread release 11 @ sec=11, msec=979
Aug 11 09:04:24 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240

Aug 11 09:04:24 raspberrypi sample: Frame Sampler release 12 @ sec=12, msec=980
Aug 11 09:04:24 raspberrypi sample: frame 2:
Aug 11 09:04:24 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:24 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:24 raspberrypi sample: Frame storage thread release 12 @ sec=12, msec=980
Aug 11 09:04:25 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:25 raspberrypi sample: Frame Sampler release 13 @ sec=13, msec=980
Aug 11 09:04:25 raspberrypi sample: frame 3:
Aug 11 09:04:25 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:25 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:25 raspberrypi sample: Frame storage thread release 13 @ sec=13, msec=980
Aug 11 09:04:26 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:26 raspberrypi sample: Frame Sampler release 14 @ sec=14, msec=981
Aug 11 09:04:26 raspberrypi sample: frame 4:
Aug 11 09:04:26 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:26 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:26 raspberrypi sample: Frame storage thread release 14 @ sec=14, msec=981
Aug 11 09:04:27 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:27 raspberrypi sample: Frame Sampler release 15 @ sec=15, msec=981
Aug 11 09:04:27 raspberrypi sample: frame 5:
Aug 11 09:04:27 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:27 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:27 raspberrypi sample: Frame storage thread release 15 @ sec=15, msec=981
Aug 11 09:04:28 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:28 raspberrypi sample: Frame Sampler release 16 @ sec=16, msec=982
Aug 11 09:04:28 raspberrypi sample: frame 6:
Aug 11 09:04:28 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:28 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:28 raspberrypi sample: Frame storage thread release 16 @ sec=16, msec=982
Aug 11 09:04:29 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:29 raspberrypi sample: Frame Sampler release 17 @ sec=17, msec=982
Aug 11 09:04:29 raspberrypi sample: frame 7:
Aug 11 09:04:29 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:29 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:29 raspberrypi sample: Frame storage thread release 17 @ sec=17, msec=982
Aug 11 09:04:30 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:30 raspberrypi sample: Frame Sampler release 18 @ sec=18, msec=983
Aug 11 09:04:30 raspberrypi sample: frame 8:
Aug 11 09:04:30 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:30 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:30 raspberrypi sample: Frame storage thread release 18 @ sec=18, msec=983
Aug 11 09:04:31 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:31 raspberrypi sample: Frame Sampler release 19 @ sec=19, msec=983
Aug 11 09:04:31 raspberrypi sample: frame 9:
Aug 11 09:04:31 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:31 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:31 raspberrypi sample: Frame storage thread release 19 @ sec=19, msec=983
Aug 11 09:04:32 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:32 raspberrypi sample: Frame Sampler release 20 @ sec=20, msec=983
Aug 11 09:04:32 raspberrypi sample: frame 10:

Aug 11 09:04:32 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:32 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:32 raspberrypi sample: Frame storage thread release 20 @ sec=20, msec=983
Aug 11 09:04:33 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:33 raspberrypi sample: Frame Sampler release 21 @ sec=21, msec=984
Aug 11 09:04:33 raspberrypi sample: frame 11:
Aug 11 09:04:33 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:33 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:33 raspberrypi sample: Frame storage thread release 21 @ sec=21, msec=984
Aug 11 09:04:34 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:34 raspberrypi sample: Frame Sampler release 22 @ sec=22, msec=984
Aug 11 09:04:34 raspberrypi sample: frame 12:
Aug 11 09:04:34 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:34 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:34 raspberrypi sample: Frame storage thread release 22 @ sec=22, msec=984
Aug 11 09:04:35 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:35 raspberrypi sample: Frame Sampler release 23 @ sec=23, msec=985
Aug 11 09:04:35 raspberrypi sample: frame 13:
Aug 11 09:04:35 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:35 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:35 raspberrypi sample: Frame storage thread release 23 @ sec=23, msec=985
Aug 11 09:04:36 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:36 raspberrypi sample: Frame Sampler release 24 @ sec=24, msec=985
Aug 11 09:04:36 raspberrypi sample: frame 14:
Aug 11 09:04:36 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:36 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:36 raspberrypi sample: Frame storage thread release 24 @ sec=24, msec=985
Aug 11 09:04:37 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:37 raspberrypi sample: Frame Sampler release 25 @ sec=25, msec=986
Aug 11 09:04:37 raspberrypi sample: frame 15:
Aug 11 09:04:37 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:37 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:37 raspberrypi sample: Frame storage thread release 25 @ sec=25, msec=986
Aug 11 09:04:38 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:38 raspberrypi sample: Frame Sampler release 26 @ sec=26, msec=986
Aug 11 09:04:38 raspberrypi sample: frame 16:
Aug 11 09:04:38 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:38 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:38 raspberrypi sample: Frame storage thread release 26 @ sec=26, msec=986
Aug 11 09:04:39 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:39 raspberrypi sample: Frame Sampler release 27 @ sec=27, msec=986
Aug 11 09:04:39 raspberrypi sample: frame 17:
Aug 11 09:04:39 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:39 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:39 raspberrypi sample: Frame storage thread release 27 @ sec=27, msec=986
Aug 11 09:04:40 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:40 raspberrypi sample: Frame Sampler release 28 @ sec=28, msec=987
Aug 11 09:04:40 raspberrypi sample: frame 18:
Aug 11 09:04:40 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:40 raspberrypi sample: wrote 307200 bytes

Aug 11 09:04:40 raspberrypi sample: Frame storage thread release 28 @ sec=28, msec=987
Aug 11 09:04:41 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:41 raspberrypi sample: Frame Sampler release 29 @ sec=29, msec=987
Aug 11 09:04:41 raspberrypi sample: frame 19:
Aug 11 09:04:41 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:41 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:42 raspberrypi sample: Frame storage thread release 29 @ sec=29, msec=987
Aug 11 09:04:42 raspberrypi sample: time_error.tv_sec=0, time_error.tv_nsec=240
Aug 11 09:04:42 raspberrypi sample: Frame Sampler release 30 @ sec=30, msec=988
Aug 11 09:04:42 raspberrypi sample: frame 20:
Aug 11 09:04:42 raspberrypi sample: Dump YUYV converted to YY size 614400
Aug 11 09:04:42 raspberrypi sample: wrote 307200 bytes
Aug 11 09:04:42 raspberrypi sample: Frame storage thread release 30 @ sec=30, msec=988