

**Elapsed Time:** 13.756s  
**CPU Time:** 13.472s  
**Memory Bound:** 2.9% of Pipeline Slots  
**L1 Bound:** 7.0% of Clockticks  
**L2 Bound:** 0.8% of Clockticks  
**L3 Bound:** 1.2% of Clockticks  
**DRAM Bound:** 0.6% of Clockticks  
**DRAM Bandwidth Bound:** 0.4% of Elapsed Time  
**Store Bound:** 1.0% of Clockticks  
**Loads:** 18,812,964,372  
**Stores:** 8,934,268,020  
**LLC Miss Count:** 0  
**Average Latency (cycles):** 9  
**Total Thread Count:** 1  
**Paused Time:** 0s

#### Bandwidth Utilization:

Bandwidth Domain	Platform Maximum	Observed Maximum	Average	% of Elapsed Time with High BW Utilization(%)
DRAM, GB/sec	12	11.200	1.029	0.4%

#### Collection and Platform Info:

**Application Command Line:** ./codecs/hhi-vvc-codec/encoder/vvencFFapp "-c" "./configs/hhi-vvc-codec/randomaccess\_slow.cfg" "-i" "./sequences/CLASS\_C/RaceHorses\_416x240\_30.yuv" "-wdt" "416" "-hgt" "240" "-b" "./bin/hhi-vvc-codec/randomaccess\_slow.cfg/CLASS\_C/RaceHorses\_416x240\_30\_QP\_37\_hhi-vvc-codec.bin" "-o" "./rec\_yuv/hhi-vvc-codec/randomaccess\_slow.cfg/CLASS\_C/RaceHorses\_416x240\_30\_QP\_37\_hhi-vvc-codec.yuv" "-fr" "30" "-fs" "0" "-f" "2" "-q" "37"

**User Name:** root

**Operating System:** 5.4.0-62-generic DISTRIB\_ID=Ubuntu  
 DISTRIB\_RELEASE=18.04 DISTRIB\_CODENAME=bionic  
 DISTRIB\_DESCRIPTION="Ubuntu 18.04.5 LTS"

**Computer Name:** eimon

**Result Size:** 60.7 MB

**Collection start time:** 23:02:59 01/02/2021 UTC

**Collection stop time:** 23:03:12 01/02/2021 UTC

**Collector Type:** Event-based sampling driver

**CPU:**

**Name:** Intel(R) Processor code named Kabylake  
ULX

**Frequency:** 1.992 GHz

**Logical CPU Count:** 8

**Max DRAM Single-Package Bandwidth:** 12.000 GB/s

**Cache Allocation Technology:**

**Level 2 capability:** not detected

**Level 3 capability:** not detected