

*****Draft*****

Using GTKWave to display the CVS from the rp2040-logic-analyzer 05/10/22

*****Draft*****

Need to reformat the data from pwm.txt

wc pwm.txt

27801 27808 472625 pwm.txt

g

Clock speed is 125000000

Capture speed is 1000000.000000.2

Arming trigger

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,1,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,1,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,1,0,0,0,0,1,

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0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,1,0,0,0,0,1,

0,1,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

0,1,0,0,0,0,1,

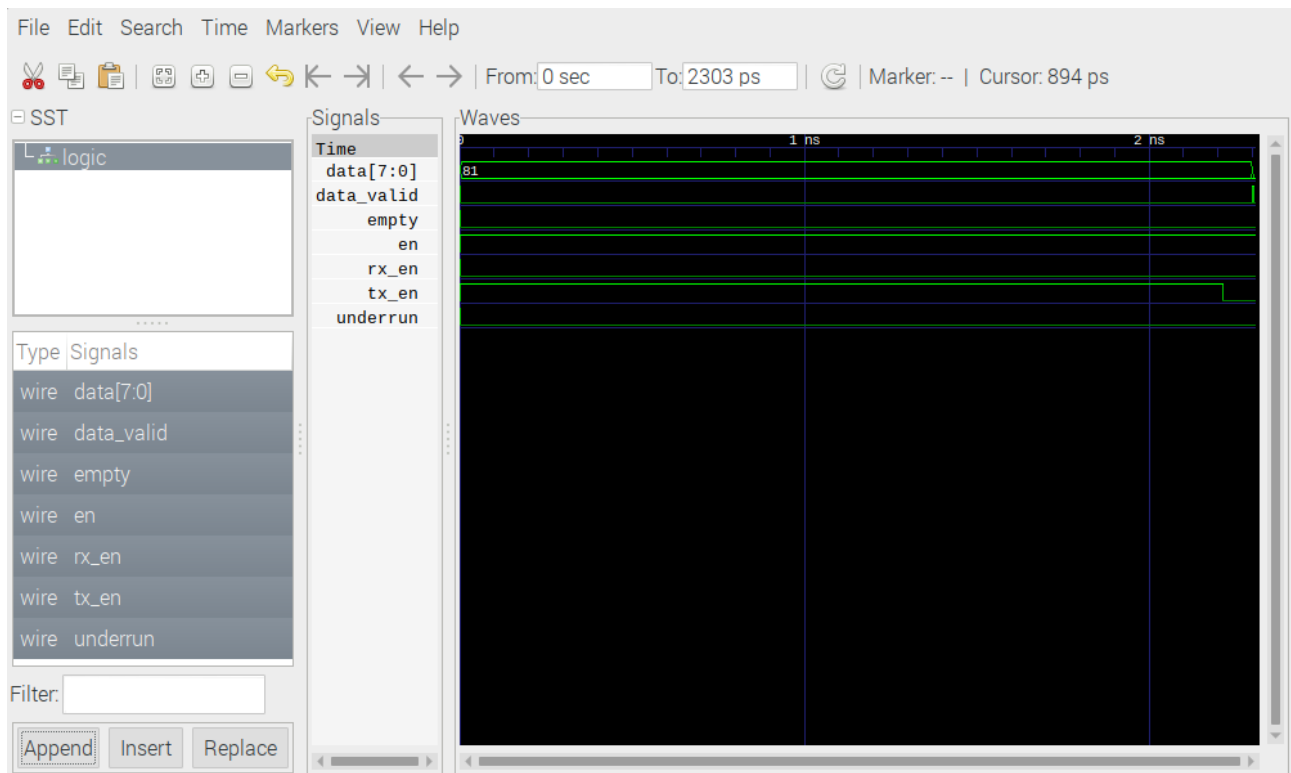
0,1,0,0,0,0,1,

0,0,0,0,0,0,1,

0,0,0,0,0,0,1,

downloaded an vcd example from https://en.m.wikipedia.org/wiki/Value_change_dump
to test.vcd

gtkwave test.vcd



Made some changes to file and saved as test1.vcd

13,16c13,21

```
< $var wire 1 $ data_valid $end
< $var wire 1 % en $end
< $var wire 1 & rx_en $end
< $var wire 1 ' tx_en $end
```

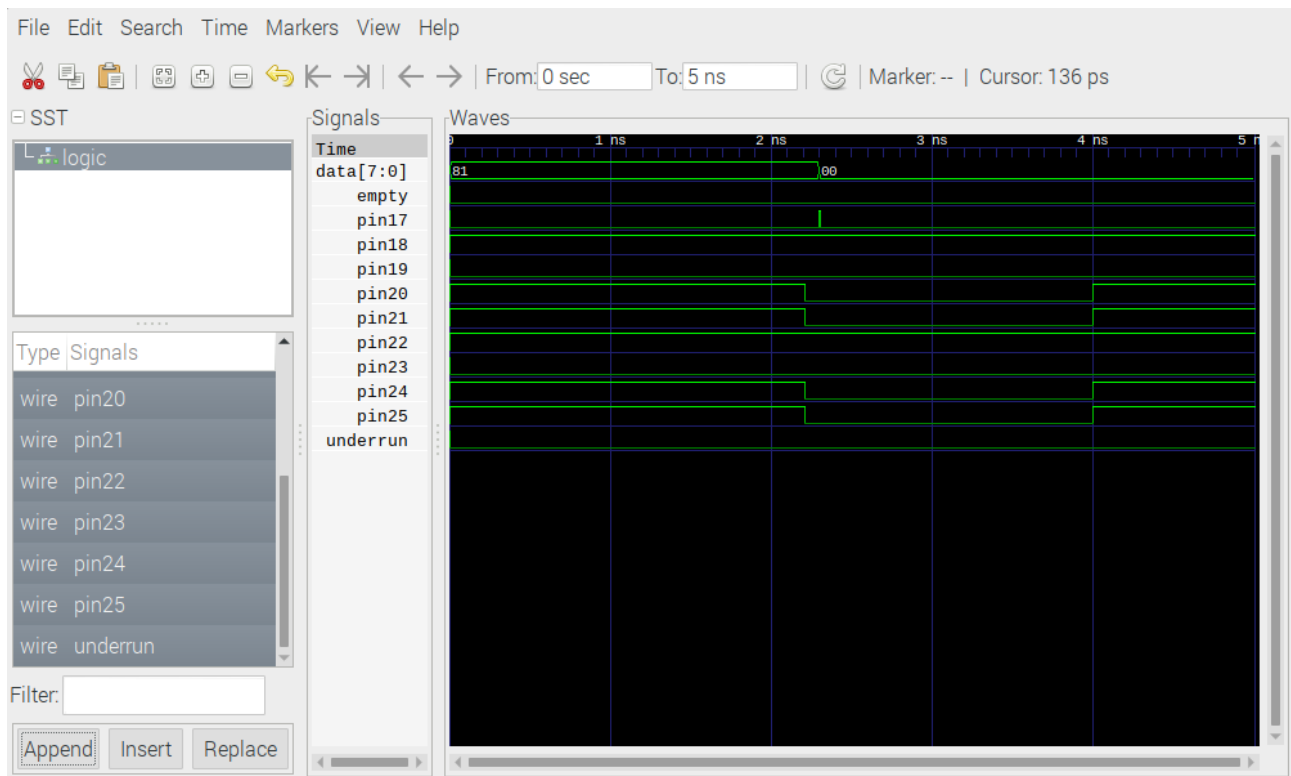
```
> $var wire 1 $ pin17 $end
> $var wire 1 % pin18 $end
> $var wire 1 & pin19 $end
> $var wire 1 ' pin20 $end
> $var wire 1 ' pin21 $end
> $var wire 1 % pin22 $end
> $var wire 1 & pin23 $end
> $var wire 1 ' pin24 $end
> $var wire 1 ' pin25 $end
```

46c51,55

```
<
```

```
> #4000
> 1'
> #4010
> 0$
> #5000
```

gtkwave test1.vcd



Change the timescale

< \$timescale 1ps \$end

> \$timescale 1us \$end

gtkwave test2.vcd

