

Paul
→ ~~Friday~~ Friday

→ Continuous wave - L=0 (old amps)

17

Date	June 17 , 2019
Timestamp Start (UTC)	123739 ~112120
Timestamp End (UTC)	123739

* Warmup

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-8 rising -0.5 0	0
Channel 2	-8 rising -1 -0.2	
Channel 3	-8 rising -0.5 0	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-8 rising -0.5 0	0
Channel 2	-8 rising -0.5 -0.3	
Channel 3	-8 rising 0 0	
Channel 4		

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→ Continuous-Wave $L=0$ (new amps)

Date	June 10, 2019
Timestamp Start (UTC)	143621
Timestamp End (UTC)	150500

* tuning using the new amplitudes
~ 440 kW

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-8 rising -0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-8 rising -0.5	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		

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→ Twist, 3min - 010 off

Date	June 1 ⁴ 0 , 2019
Timestamp Start (UTC)	150601
Timestamp End (UTC)	153900 153900

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6/	
Channel 2	-0.9/	
Channel 3	-0.7/	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5/ -1 /-1.5	
Channel 2	-0.9/ -1.7 /-1.7	
Channel 3	-0.7/ -0.9 /-0.9	
Channel 4		

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~~10 Hz WRF Chirp~~

→ 10 Hz WRF Chirp

4

Date	June 10, 2019
Timestamp Start (UTC)	153000 154001
Timestamp End (UTC)	164500

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5	0
Channel 2	-0.9	
Channel 3	-0.8	
Channel 4		

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~~SW~~ (no file, CW L=0)

* tuning some more

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Date	June 10, 2019
Timestamp Start (UTC)	164805 164905
Timestamp End (UTC)	165805

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		

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(no file, cw L=1)

*testing new
amplitudes

Date	June 10, 2019
Timestamp Start (UTC)	170200 170201
Timestamp End (UTC)	170520

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		

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(no file, cw $L = -1$)

Date	June 10 ⁵ , 2019
Timestamp Start (UTC)	171131
Timestamp End (UTC)	171420

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		

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(no file, testing power levels of $L=0$ vs $L=-1$)
3 minute cycles

Date	June 10, 2019
Timestamp Start (UTC)	171601
Timestamp End (UTC)	174000

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5	0
Channel 2	-0.9	
Channel 3	~0.4	
Channel 4		

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→ Twist_01n1
↑
- 1min

Date	June 10, 2019
Timestamp Start (UTC)	174101
Timestamp End (UTC)	175500

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.9	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		

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→ Twist_10s_01

14

Date	June 10 , 2019
Timestamp Start (UTC)	17 5601
Timestamp End (UTC)	18 4900

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.7 / -0.3	
Channel 4		

182000

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.5 / -0.3	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		

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→ Twist_105_On1

14

Date	June 14 , 2019
Timestamp Start (UTC)	185001
Timestamp End (UTC)	015000

Waveform Generator 1		
	Amplitude	Phase
Channel 1	-0.6	0
Channel 2	-0.9	
Channel 3	-0.3	
Channel 4		

Waveform Generator 2		
	Amplitude	Phase
Channel 1	-0.3	0
Channel 2	-0.9	
Channel 3	-0.4	
Channel 4		