NMR experiment data and notes

Initial Parameters Used.

Frequency 21.08461 megahertz in residence with the machine.

π half pulse is 3.42 microseconds.

π pulse is 6.84 microseconds.

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| Did collection for T2 experiment part 2 | | |
| *Tau (seconds)* | ***Echo amplitude ( V and mV)*** | ***Error (mV)*** |
| .0030 | 1.26 V ↓ | ±8 mV↓ |
| .0045 | 1.09 |  |
| .0060 | 952 mV ↓ |  |
| .0075 | 840 |  |
| .0090 | 728 |  |
| .0105 | 644 |  |
| .0120 | 568 | ±4 mV↓ |
| .0135 | 508 |  |
| .0150 | 452 |  |
| .0165 | 404 |  |
| .0180 | 360 |  |
| .0195 | 312 | ±2 mV↓ |
| .0210 | 278 |  |
| .0225 | 244 |  |
| .0240 | 216 |  |
| .0255 | 192 |  |
| .0270 | 172 |  |
| .0285 | 150 | ±.8 mV↓ |
| .0300 | 133 |  |

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| Did collection for T1 experiment part 2 | | |
| *Tau (seconds)* | ***FID amplitude ( V and mV)*** | ***Error (mV)*** |
| .0030 | 1.06 V ↓ | ±10 mV↓ |
| .0035 | 1.03 |  |
| .0040 | 1.00 |  |
| .0045 | 968 mV ↓ |  |
| .0050 | 944 |  |
| .0055 | 920 |  |
| .0060 | 896 |  |
| .0065 | 864 |  |
| .0070 | 840 |  |
| .0075 | 816 |  |
| .0080 | 792 |  |
| .0085 | 760 | ±4 mV↓ |
| .0090 | 736 |  |
| .0095 | 712 |  |
| .0100 | 692 |  |
| .0105 | 668 |  |
| .0110 | 652 |  |
| .0115 | 632 |  |
| .0120 | 616 |  |
| .0125 | 600 |  |
| .0130 | 592 |  |