List of parameters and performance of Ax

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| --- | --- | --- | --- |
| Parameter | Trial 1 | Trial 2 | Trial 3 |
| FS | 2.50E+05 | 2.50E+05 | 2.50E+05 |
| NFFT | 64 | 64 | 32 |
| NW | 6 | 6 | 6 |
| K | 11 | 11 | 11 |
| PVAL | 0.05 | 0.5 | 0.5 |
| channels | - | - | - |
| frequency\_low | 4.50E+04 | 4.50E+04 | 4.50E+04 |
| frequency\_high | 1.20E+05 | 1.20E+05 | 1.20E+05 |
| convolution\_size | [1300, 0.001] | [1300, 0.001] | [1300, 0.001] |
| minimum\_object\_area | 18.75 | 18.75 | 18.75 |
| merge\_harmonics | 1 | 1 | 1 |
| merge\_harmonics\_overlap | 0.9 | 0.9 | 0.9 |
| merge\_harmonics\_ratio | 0.1 | 0.1 | 0.1 |
| merge\_harmonics\_fraction | 0.9 | 0.9 | 0.9 |
| minimum\_vocalization\_length | 0 | 0 | 0 |
| Missed rate (%) | 37.1 | 22.34 | 4.99 |
| False discovery (%) | 45.25 | 37.67 | 57.31 |