

QC Functionality

How to ensure that your system is operating consistently



Spectrum Report Command

Default Detector

MIRA3

Detector 2

Spectrum List

Quality control alien

First page



Welcome

Next: *Select a QC project*

Select a QC task

- Create new QC project.
- Add a QC measurement to a project
- Generate a detailed QC report
- Select historical spectra to reopen
- Specify control limits
- Export the data from a QC project

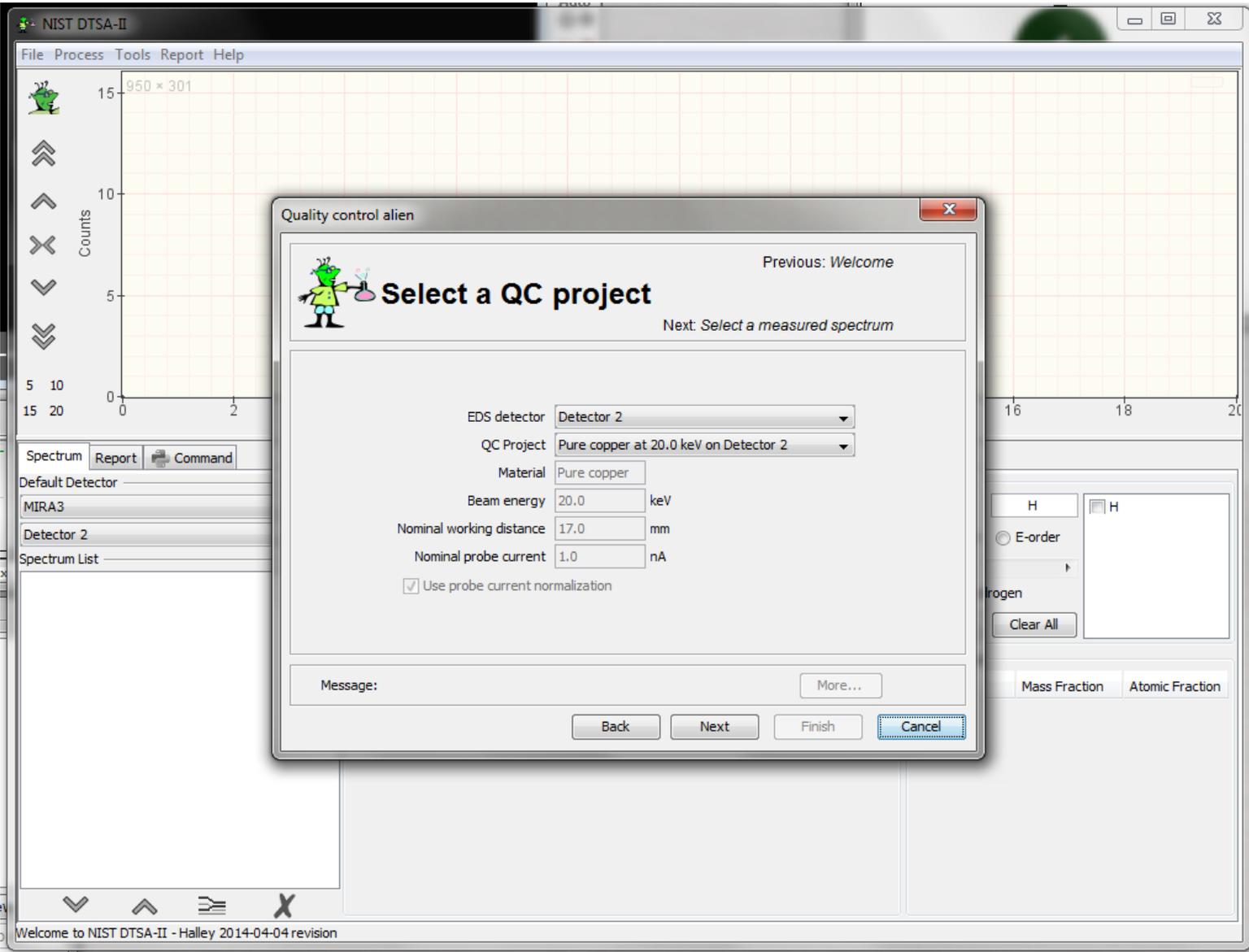
Message:

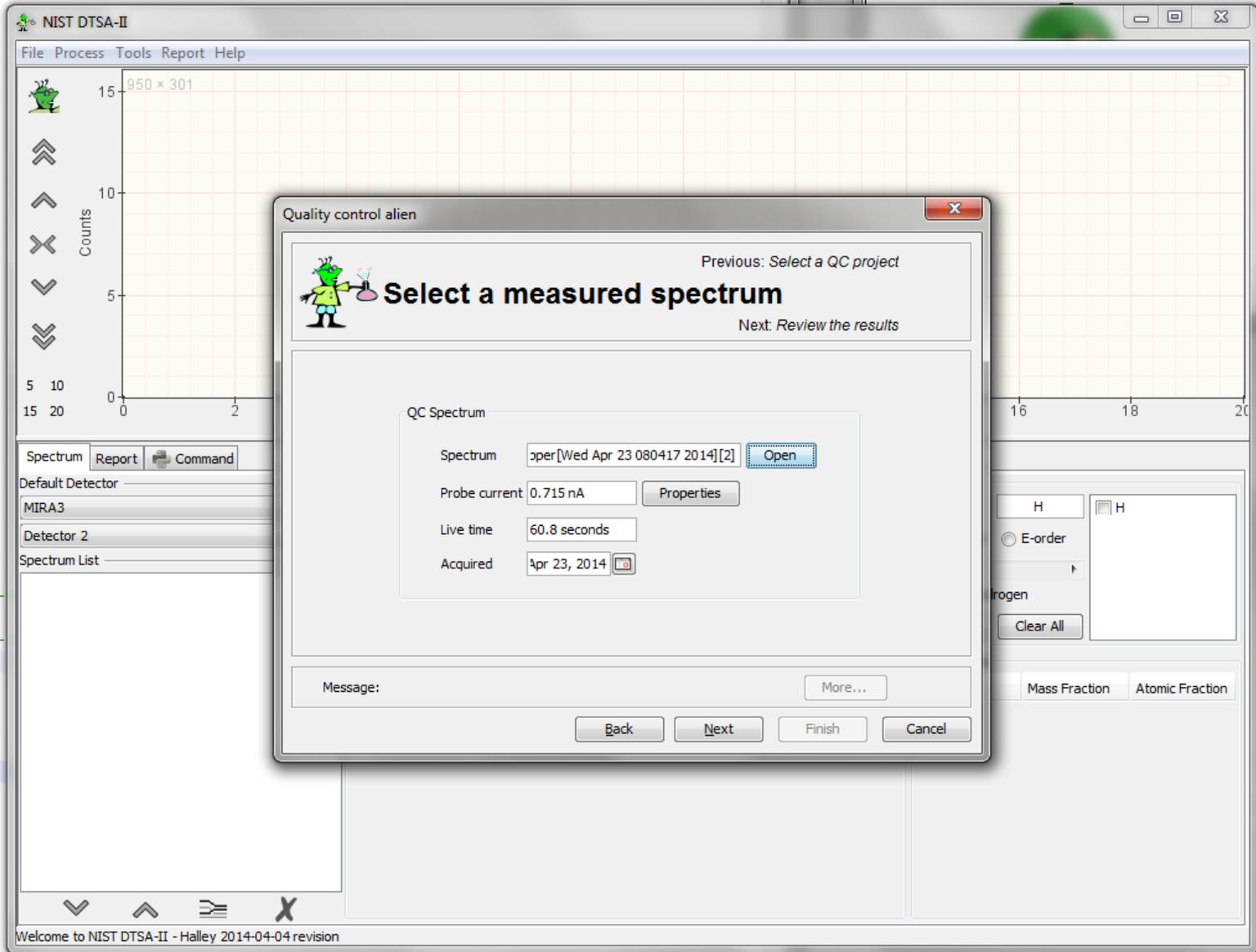
H H

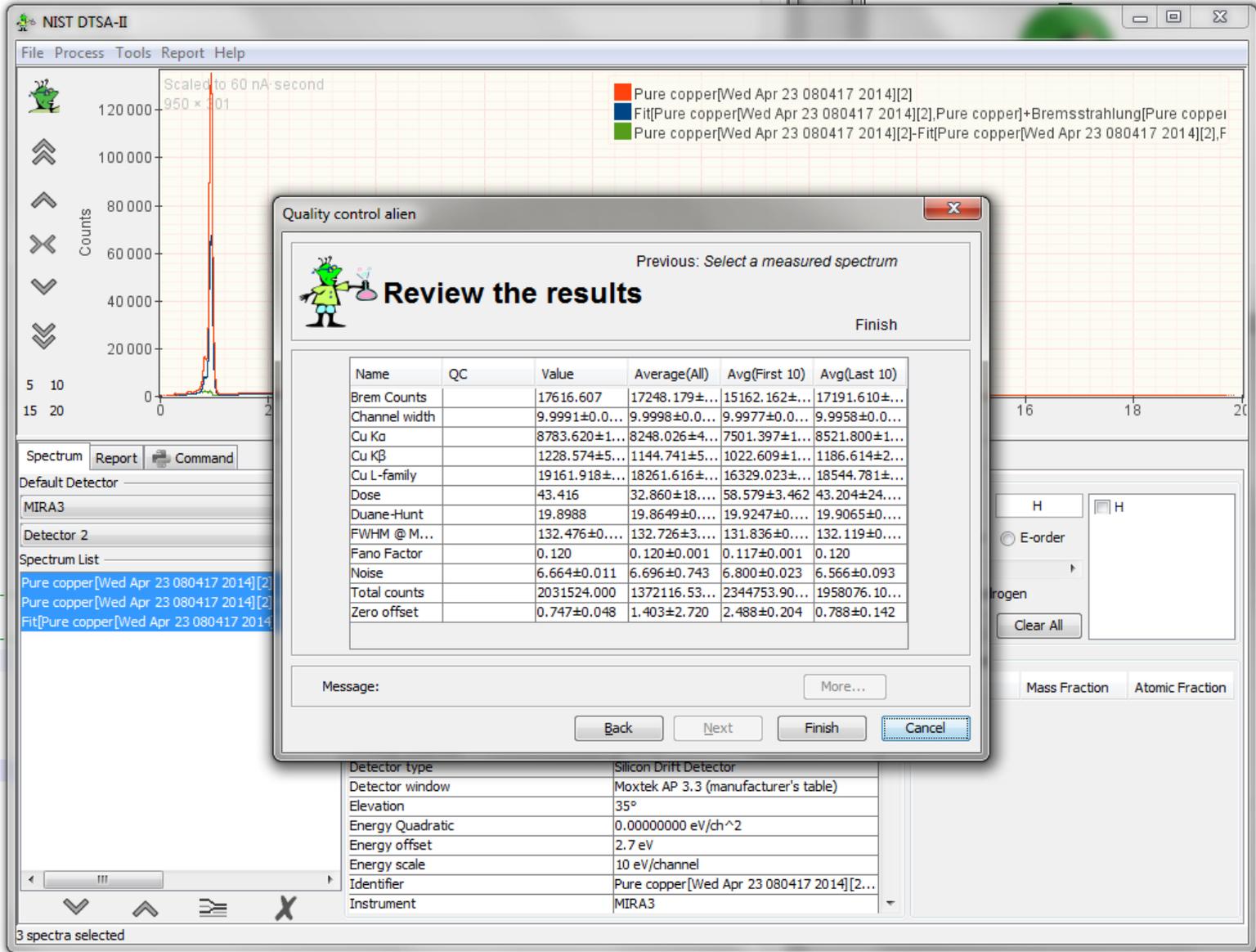
E-order

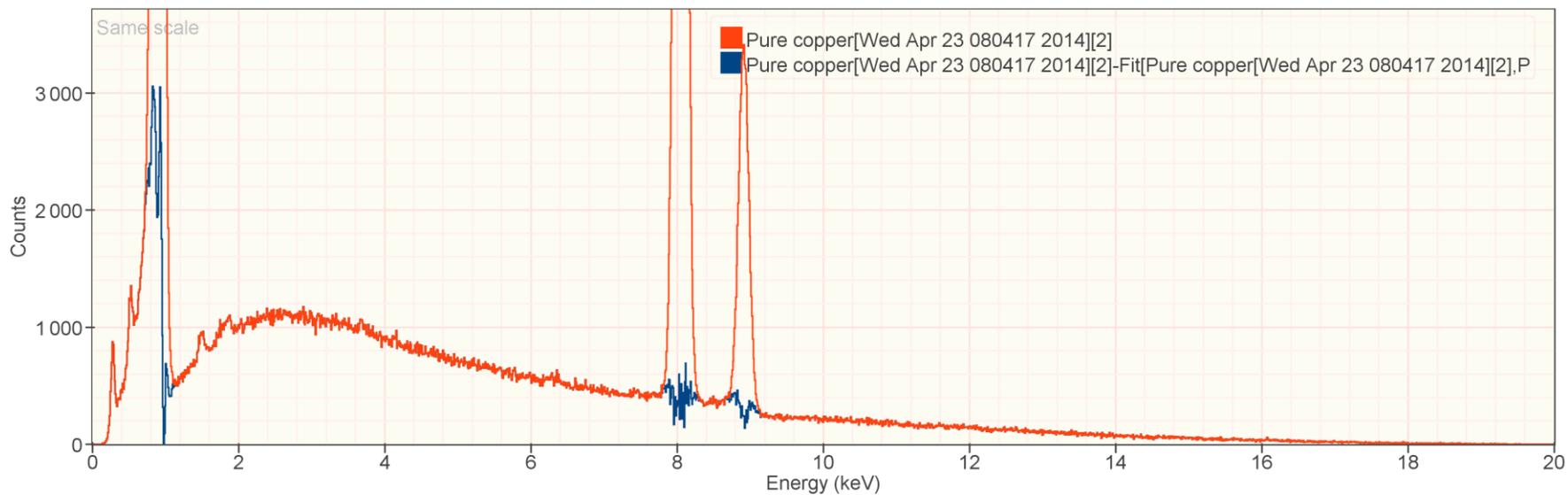
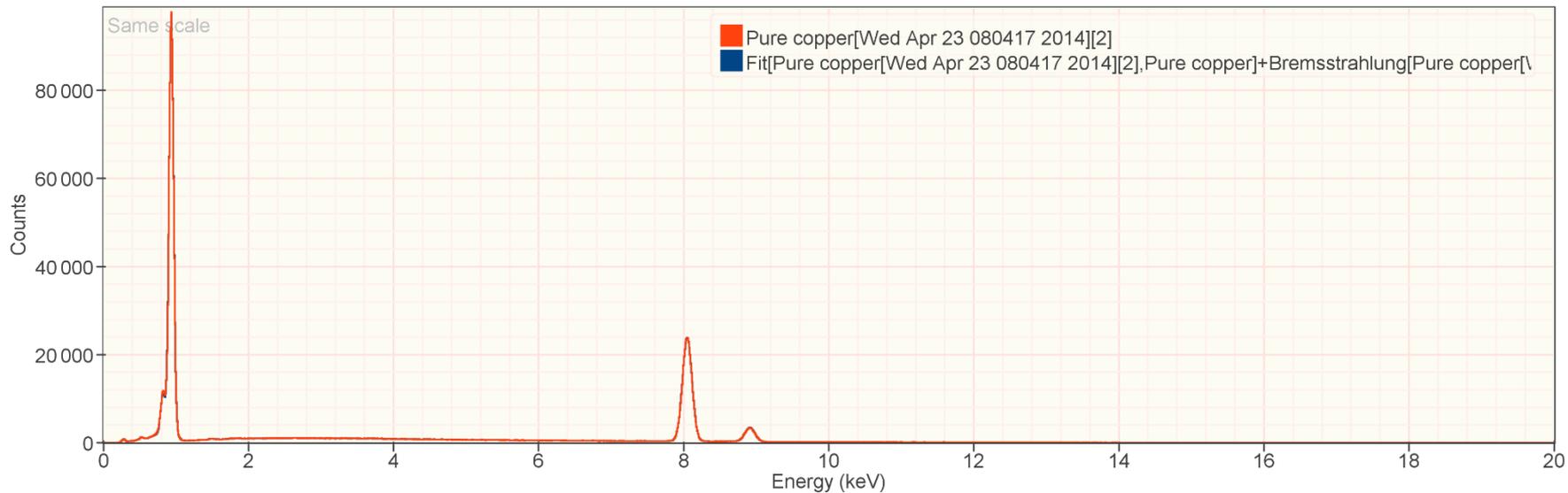
Hydrogen

Mass Fraction Atomic Fraction









QC Measurement Recorded

Spectrum	Pure copper[Wed Apr 23 080417 2014][2]
Index	357
Timestamp	2014-04-23 08:04:00.172
Project	Pure copper at 20.0 keV on Detector 2

Name	Value	First 10	Last 10	All
Brem Counts	17616.607	15162.162±379.378	17191.610±308.112	17248.179±8509.634
Channel width	9.9991±0.0002	9.9977±0.0115	9.9958±0.0061	9.9998±0.0193
Cu K α	8783.620±14.224	7501.397±135.078	8521.800±144.388	8248.026±4017.949
Cu K β	1228.574±5.320	1022.609±18.033	1186.614±24.227	1144.741±558.908
Cu L-family	19161.918±21.008	16329.023±684.818	18544.781±296.238	18261.616±9043.992
Dose	43.416	58.579±3.462	43.204±24.191	32.860±18.005
Duane-Hunt	19.8988	19.9247±0.0395	19.9065±0.1277	19.8649±0.1140
FWHM @ Mn K α	132.476±0.040	131.836±0.287	132.119±0.340	132.726±3.097
Fano Factor	0.120	0.117±0.001	0.120	0.120±0.001
Noise	6.664±0.011	6.800±0.023	6.566±0.093	6.696±0.743
Total counts	2031524.000	2344753.900±164191.258	1958076.100±1081892.462	1372116.534±792048.818
Zero offset	0.747±0.048	2.488±0.204	0.788±0.142	1.403±2.720