

# Test Report: Project Title

Isobel Bicket

December 17, 2017

# 1 Revision History

Date	Version	Notes
December 18, 2017	1.0	Initial draft

## 2 Symbols, Abbreviations and Acronyms

See SRS document for further definitions.

symbol	description
T	Test

# Contents

<b>1</b>	<b>Revision History</b>	<b>i</b>
<b>2</b>	<b>Symbols, Abbreviations and Acronyms</b>	<b>ii</b>
<b>3</b>	<b>Functional Requirements Evaluation</b>	<b>1</b>
3.1	R1: SI Inputs . . . . .	1
3.2	R2: Spectrum Inputs . . . . .	1
3.3	R3: Input Verification . . . . .	1
3.4	R4: Slice SI and extract Image . . . . .	1
3.5	R5: Mask (2D) SI and extract Spectrum . . . . .	1
3.6	R6: Richardson-Lucy Deconvolution . . . . .	1
3.7	R7: Normalization . . . . .	1
3.8	R8: Background subtraction . . . . .	1
3.9	R9: Gain Correction . . . . .	1
<b>4</b>	<b>Nonfunctional Requirements Evaluation</b>	<b>1</b>
4.1	Usability . . . . .	1
4.2	Performance . . . . .	1
4.3	etc. . . . .	1
<b>5</b>	<b>Comparison to Existing Implementation</b>	<b>1</b>
<b>6</b>	<b>Unit Testing</b>	<b>2</b>
<b>7</b>	<b>Changes Due to Testing</b>	<b>2</b>
<b>8</b>	<b>Automated Testing</b>	<b>2</b>
<b>9</b>	<b>Trace to Requirements</b>	<b>2</b>
<b>10</b>	<b>Trace to Modules</b>	<b>2</b>
<b>11</b>	<b>Code Coverage Metrics</b>	<b>2</b>

## List of Tables

## List of Figures

This document details the results of the testing detailed in the Test Plan, for the code SpectrumImageAnalysisPy, which can be found, along with the other documentation, on [https://github.com/icbicket/SpectrumImageAnalysisPy/tree/SpectrumImageAnalysisPy\\_dev](https://github.com/icbicket/SpectrumImageAnalysisPy/tree/SpectrumImageAnalysisPy_dev). Data and results from testing can be found under </home/isobel/Documents/McMaster/PythonCodes/DataAnalysis/src/TestCase>.

## **3 Functional Requirements Evaluation**

**3.1 R1: SI Inputs**

**3.2 R2: Spectrum Inputs**

**3.3 R3: Input Verification**

**3.4 R4: Slice (1D) SI and extract Image**

**3.5 R5: Mask (2D) SI and extract Spectrum**

**3.6 R6: Richardson-Lucy Deconvolution**

**3.7 R7: Normalization**

**3.8 R8: Background subtraction**

**3.9 R9: Gain Correction**

## **4 Nonfunctional Requirements Evaluation**

**4.1 Usability**

**4.2 Performance**

**4.3 etc.**

## **5 Comparison to Existing Implementation**

This section will not be appropriate for every project.

- 6 Unit Testing
- 7 Changes Due to Testing
- 8 Automated Testing
- 9 Trace to Requirements
- 10 Trace to Modules
- 11 Code Coverage Metrics