
NIFS Programmer's Manual

Release 0.9

TBD

April 07, 2014

CONTENTS

1	Introduction to the Instrument	1
2	Typical Data Reduction Flows	3
3	AstroData Types	5
4	Recipes and Contexts	7
5	Primitives	9
6	Test Suite	11

INTRODUCTION TO THE INSTRUMENT

1.1 General Description

1.2 Description of the Modes

1.3 Required Calibration and Associated Observations

1.4 Important Instrument Characteristics or Issues

TYPICAL DATA REDUCTION FLOWS

2.1 List of Typical Sequences

2.2 Top-Level Flow Charts for Processing of Calibrations

2.3 Top-Level Flow Charts for Processing of Science

ASTRODATA TYPES

3.1 Relevant AstroData Types

list all astrodata types to be considered

3.2 Association Table

associate ad types with type of observations

RECIPES AND CONTEXTS

4.1 Contexts

list the contexts

4.2 Recipes

list of recipes for each context

location of recipes and indexes

4.3 Technical Flow Charts

technical flow charts for each recipes

4.4 Issues and Limitations

PRIMITIVES

5.1 Primitive #1 (alphabetical)

5.1.1 Purpose

5.1.2 Inputs and Outputs

5.1.3 Input parameters

5.1.4 AstroData Type(s)

5.1.5 Inheritance and Primitive Set

5.1.6 Location

5.1.7 Algorithms

5.1.8 Issues and Limitations

5.2 Primitive #2

TEST SUITE

6.1 Available Tests

6.2 Missing or Desirable Tests

6.3 Running the Tests