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# **Gemini Data Reduction Users Manual**

***Release 0.9.0***

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# INTRODUCTION TO THE RECIPESYSTEM

## 1.1 Definitions



# INSTALLATION INSTRUCTIONS





# QUICK START GUIDE



# HOW TO PROCESS DATA WITH THE RECIPE SYSTEM



# ALL ABOUT THE REDUCE USER INTERFACE

## 5.1 Test

This is to be removed once the `reduce` manual has some real content that can be used.

This is to test “importing” the `reduce` manual material into the `RecipeSystem` manual.



# FLAMINGOS 2 USERS MANUAL

## 6.1 Overview of Flamingos 2 and its Data

### 6.1.1 Description of the Instrument

### 6.1.2 Description of the Data

## 6.2 Recipes for Flamingos 2

### 6.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 6.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 6.3 Tips and Tricks for Processing Flamingos 2

### 6.3.1 Some title depending on content

Describe the quirks of Flamingos 2 data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 6.3.2 Some other topic

Example

## 6.4 Issues and Limitations

## 6.5 Primitives for Flamingos 2

### 6.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 6.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations



# GHOS USERS MANUAL

## 7.1 Overview of GHOS and its Data

### 7.1.1 Description of the Instrument

### 7.1.2 Description of the Data

## 7.2 Recipes for GHOS

### 7.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 7.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 7.3 Tips and Tricks for Processing GHOS

### 7.3.1 Some title depending on content

Describe the quirks of GHOS data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 7.3.2 Some other topic

Example

## 7.4 Issues and Limitations

## 7.5 Primitives for GHOS

### 7.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 7.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

# GMOS USERS MANUAL

## 8.1 Overview of GMOS and its Data

### 8.1.1 Description of the Instrument

### 8.1.2 Description of the Data

## 8.2 Recipes for GMOS

### 8.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 8.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 8.3 Tips and Tricks for Processing GMOS

### 8.3.1 Some title depending on content

Describe the quirks of GMOS data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 8.3.2 Some other topic

Example

## 8.4 Issues and Limitations

## 8.5 Primitives for GMOS

### 8.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 8.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

# GNIRS USERS MANUAL

## 9.1 Overview of GNIRS and its Data

### 9.1.1 Description of the Instrument

### 9.1.2 Description of the Data

## 9.2 Recipes for GNIRS

### 9.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 9.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 9.3 Tips and Tricks for Processing GNIRS

### 9.3.1 Some title depending on content

Describe the quirks of GNIRS data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 9.3.2 Some other topic

Example

## 9.4 Issues and Limitations

## 9.5 Primitives for GNIRS

### 9.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 9.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

# GSAOI USERS MANUAL

## 10.1 Overview of GSAOI and its Data

### 10.1.1 Description of the Instrument

### 10.1.2 Description of the Data

## 10.2 Recipes for GSAOI

### 10.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 10.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 10.3 Tips and Tricks for Processing GSAOI

### 10.3.1 Some title depending on content

Describe the quirks of GSAOI data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 10.3.2 Some other topic

Example

## 10.4 Issues and Limitations

## 10.5 Primitives for GSAOI

### 10.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 10.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations



# NIFS USERS MANUAL

## 11.1 Overview of NIFS and its Data

### 11.1.1 Description of the Instrument

### 11.1.2 Description of the Data

## 11.2 Recipes for NIFS

### 11.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 11.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 11.3 Tips and Tricks for Processing NIFS

### 11.3.1 Some title depending on content

Describe the quirks of NIFS data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 11.3.2 Some other topic

Example

## 11.4 Issues and Limitations

## 11.5 Primitives for NIFS

### 11.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 11.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

# NIRI USERS MANUAL

## 12.1 Overview of GMOS and its Data

### 12.1.1 Description of the Instrument

### 12.1.2 Description of the Data

## 12.2 Recipes for GMOS

### 12.2.1 Typical Processing Flows

include scientific flow charts, include associated recipes

### 12.2.2 Other Processing Flows

include scientific flow charts, include associated recipes

## 12.3 Tips and Tricks for Processing GMOS

### 12.3.1 Some title depending on content

Describe the quirks of GMOS data, give tips and tricks, what to watch for. Screenshots are encouraged.

Example

### 12.3.2 Some other topic

Example

## 12.4 Issues and Limitations

## 12.5 Primitives for GMOS

### 12.5.1 Primitive #1 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

### 12.5.2 Primitive #2 (alphabetical)

Purpose

Inputs and Outputs

Algorithm

Issues and Limitations

# CUSTOMIZING THE DATA PROCESSING

## 13.1 Adding and Modifying Recipes

## 13.2 Writing and Using your own Primitive



# LIST OF ALL RECIPES





# LIST OF ALL PRIMITIVES