



Data Flow System

Document Title: **VISTA IR Camera
DFS Schedule**

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VISTA DATA FLOW SYSTEM	Schedule	Doc No:	VIS-PLA-QMU-00001-0001
		Date:	2004-04-08
		Issue:	0.5
		Page:	Page 2 of 5
		Author:	Jim Emerson

Change Record

Issue	Date	Sections affected	Remarks
0.5	2004-04-08	All	New Document for PDR

Notification List

The following people should be notified by email that a new issue of this document is available.

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Table of Contents

Change Record	2
Notification List	2
1 Introduction	3
1.1 Purpose	3
1.2 Scope	3
1.3 Applicable Documents	3
1.4 Reference Documents	3
1.5 Abbreviations and Acronyms	3
1.6 Glossary	3
2 Overview	4

VISTA DATA FLOW SYSTEM	Schedule	Doc No:	VIS-PLA-QMU-00001-0001
		Date:	2004-04-08
		Issue:	0.5
		Page:	Page 3 of 5
		Author:	Jim Emerson

1 Introduction

1.1 Purpose

This document forms part of the package of documents for the Preliminary Design Review of the Data Flow System for VISTA, the Visible and Infrared Telescope for Astronomy. It will be maintained through FDR and beyond.

1.2 Scope

This document describes the schedule for the VISTA IR Camera's (VIRCAM) DFS deliverables to ESO.

1.3 Applicable Documents

The following documents, of the exact issue shown, form part of this document to the extent specified herein.

[AD1] *Data Flow for the VLT instruments Requirements Specification*, VLT-SPE-ESO-19000-1618, issue 1.0, 1999-04-21.

1.4 Reference Documents

The following documents are referenced in this document.

[RD 1] *No RDs are so far defined.*

1.5 Abbreviations and Acronyms

CFP	Call for Proposals
DFS	Data Flow System
EII	European Instrument Integration
FDR	Final Design Review
FID	Final Instrument Delivery
RAL	Rutherford Appleton Laboratory
PDR	Preliminary Design Review
VC1	VLT Instrument Commissioning 1
VC2	VLT Instrument Commissioning 2
VDFS	VISTA Data Flow System
VIRCAM	VISTA Infra Red Camera
VISTA	Visible and Infrared Survey Telescope for Astronomy
VPO	VISTA Project Office

1.6 Glossary

No glossary items are yet defined.

VISTA DATA FLOW SYSTEM	Schedule	Doc No:	VIS-PLA-QMU-00001-0001
		Date:	2004-04-08
		Issue:	0.5
		Page:	Page 4 of 5
		Author:	Jim Emerson

2 Overview

The schedule for the VISTA DFS deliverables is based on the requirements given in AD1, which, after FDR, are related to events related to instrument hardware.

Because the VIRCAM is not being mounted on the VLT, but instead on a dedicated telescope, some of the detailed assumptions in AD1 appear inapplicable to the case of VISTA, where the instrument (and telescope) commissioning is organised by the VISTA Project Office (VPO). In particular the VPO does *not* plan for VIRCAM commissioning to be split into two parts VC1 and VC2, because VIRCAM is the only instrument for VISTA. Therefore the nearest equivalent events/times are identified to be compatible with the spirit of AD1.

The following Table gives the Deliverable (or event name if in bold), the time delivery is due according to AD1, and the date delivery is planned.

<u>Deliverable</u>	<u>Due</u>	<u>Planned</u>
<i>DFS deliverables preliminary schedule v0.5</i>	PDR	08/04/04
<i>User Requirements v0.5</i>	PDR	08/04/04
<i>Calibration Plan v0.5</i>	PDR	08/04/04
<i>Data Reduction Specification v0.5</i>	PDR	08/04/04
Preliminary Design Review		13/05/04
<i>DFS deliverables schedule v1.0</i>	FDR	Nov 2004
<i>User Requirements v1.0</i>	FDR	Nov 2004
<i>Calibration Plan v1.0</i>	FDR	Nov 2004
<i>Data Reduction Specification v1.0</i>	FDR	Nov 2004
Final Design Review		Dec 2004
<i>Data Reduction Procedures v0.9</i>	3m before EII	Sep 2005
<i>Data Interface Dictionary v0.5</i>	1m before EII	Nov 2005
<i>Template Signatures v0.9</i>	EII	Dec 2005
<i>Instrument Description & Calibration Database v0.5</i>	EII	Dec 2005
European Instrument Integration (VISTA equivalent)		Dec 2005
<i>Calibration Data v0.5</i>	2w after EII	Jan 2006
<i>Exposure Time Calculator v1.0</i>	2m before CFP	Feb 2006

VISTA DATA FLOW SYSTEM	Schedule	Doc No:	VIS-PLA-QMU-00001-0001
		Date:	2004-04-08
		Issue:	0.5
		Page:	Page 5 of 5
		Author:	Jim Emerson

<u>Deliverable</u>	<u>Due</u>	<u>Planned</u>
<i>Instrument Description & Calibration Database v0.9</i>	CFP	Apr 2006
<i>User Level description of DFS</i>	CFP	Apr 2006
1st Call for Proposals		Apr 2006
VISTA Camera Integration to Telescope starts		21 Apr 2006
<i>Data Interface Dictionary v0.9</i>	1m before VC1	07 Jun 2006
VISTA Camera Commissioning starts (for VISTA VC1 and VC2 are combined as one VC)		07 Jul 2006
<i>Instrument Description & Calibration Database v1.0</i>	After VC1	Sep 2006
<i>Calibration Data v0.9</i>	2w after VC1	Sep 2006
<i>Template Signatures v1.0</i>	after VC1	Sep 2006
<i>Data Reduction Procedures v1.0</i>	1m before VC2	Sep 2006
<i>Data Interface Dictionary v1.0</i>	1m before VC2	Sep 2006
VISTA Commissioning ends (target 16 Aug 2006)		Oct 2006
<i>Calibration Data v1.0</i>	2w after VC2	Oct 2006
<i>Exposure Time Calculator v1.1</i>	1m after VC2	Nov 2006

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