

Phase 2 Users Workshop 2012



Programme

10:00 - 10:10	Welcome and Introduction (Marina Rejkuba)
10:10 - 10:25	Phase 2 overview (Christian Hummel)
10:25 - 10:50	The new Phase 2 Proposal Preparation tool (Monika Petr-Gotzens)
10:50 - 11:15	Coffee break
11:15 - 11:40	Service mode observations execution, ranking and tips (Vincenzo Mainieri)
11:40 - 12:00	VLT/VLTI overview (Markus Wittkowski)
12:00 - 13:30	Lunch break
13:30 - 15:00	Practical Tutorial Session 1
15:00 - 15:30	Coffee break
15:30 - 16:30	Practical Tutorial Session 2
16:30 - 17:00	Feedback from Participants and Summary

Phase 2 overview

Christian Hummel
(with input by Marina Rejkuba)

Service mode at ESO

Phase 1

- Observing proposals: ask for time
- Targets, instruments, and constraints

Phase 2

- Observing instructions: tell us what to do
- OBs, finding charts, ephemeris, Readme

Phase 3

- Observation follow-up: Surveys and LPs
- Return reduced data to archive

Service Mode Principles

- Maximize the **science output**
 - Highest ranked programmes have execution priority and are executed under optimal (i.e. required) observing conditions
- Maximize the **operational efficiency**
 - Sharing calibrations between the programmes
- Maximize the **scientific use of telescope time** under any condition
 - Minimize idle time

Service Mode Rank Classes

- A: highest priority – carried over if not completed
 - Carry-over A-ranked runs from the previous period
 - Large Programmes
 - Chilean Programmes
 - Target of Opportunity
 - Normal A-ranked runs
- B: medium priority
 - Observed if there is no competing higher ranked (A) programme at the same RA and for the same observing conditions
 - Best effort completion, PIs should prioritize observations
- C: low priority (“fillers”)
 - Should be executable under just about any conditions

Service Mode vs. Visitor Mode

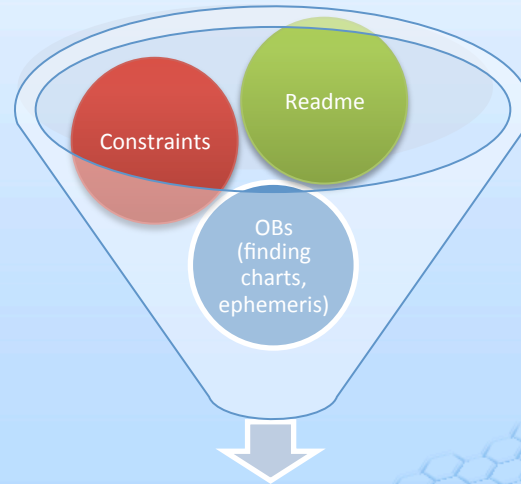
- Visitor mode
 - Normally used for challenging programmes
 - Real time decisions during the visitor mode observations, e.g.:
 - If S/N of Obs.1 is larger than X, then exposure time of Obs. 2 should be changed to Y

- Service Mode
 - Observations are self-contained within scheduling units (OBs) that can be executed within the requested constraints
 - No “saving of overheads” or “long” sequences
 - Observations are performed when requested constraints are met
 - If not within constraints → repeat without charging the user

“Breaking” the rules

- SM Rule Waivers (General and Instrument Specific)
 - Approval requires input from Paranal → may take ~1 week
 - Clear scientific & technical justification (even better if in proposal!)
 - E-mail: p2pp-waiver@eso.org
- Target and setup change request
 - Target/observation duplication check
 - Web form: <http://www.eso.org/sci/observing/phase2/ProgChange.html>
- Phase 2 deadline extension request
 - E-mail: usd-help@eso.org

Phase 2 process



Program 090.A-0001(A)

Review

Queue

Phase 2 Preparation Tool

The screenshot displays the Phase 2 Preparation Tool interface. On the left, a list of observing runs is shown, with '60.A-9253(E)/SM/MIDI' selected. The main window is divided into several panes:

- Obs. Description:** Shows fields for OD Name (Fringe_obs_prism), User Comments, Instrument Comments (CAL_hd39400-E), Execution Time (00:25:00.000), Template Type (acquisition), and Template (MIDI_starintf_acq).
- Time Intervals:** A graph showing a single blue bar representing a time interval from 06:00 to 09:00 Sidereal time.
- Table:** A table with columns for Name, Local Id, ESO Id, Status, Target, OD, CS, Acquisition, Finding Cha, and Ephemeris. The selected run '60.A-9253(E)/SM/MIDI' is highlighted.

- This tool is used to prepare OBs, set constraints, attach finding charts, and provide further instructions as necessary
- Downloads your runs and associated instrument packages

Phase 2 material preparation

- Observation Block (OB)
 - Templates: acquisition + science + (attached calibration)
 - Target
 - Constraint Set
 - Absolute Time Windows
 - Scheduling information: User Priority, group contribution, time delays
- Calibration Block (CB)
 - No target information! Only for instrument calibrations (dark, arc, ...)
- Calibration Observation of a target on sky → Calibration OB
- Finding charts – there are instrument specific rules
- README file – make it clear and concise

Phase 2 material review

- Does the submitted material correspond to requested and thus allocated time, instrument setup, and targets?
- Is it prepared according to the service mode rules? (Verification script)
- How efficient is the observing strategy? Can it be more efficient?
- Will the submitted Phase 2 material permit to achieve the stated direct observation goals?
- In case the programme is in the A/B/C rank class are the constraints requested reasonable? Can they be relaxed?

Programme execution

- Target indicated in the finding chart is actually a binary → which one to put in the slit?
- Reference targets have poor astrometry
- Finding chart does not correspond to the target in the OB
- Part of the spectrum saturates with the requested observing time → is this desired?

Paranal observer sends a ticket: usd-help@eso.org

User Portal

Science Users Information > ESO User Portal > Home Page

ESO User Portal

General Information and FAQ

Actions

Request a Special Run

Administrative Options

Home Page

Change Username

Change Password


Manage Profile

Science Users

Public

Intranet

ESO User Portal




Phase 1

Download ESOFORM packages

Submit a proposal

Check the web letters




Phase 2

Download P2PP

Submit a Target or Programme Change Request

View your list of Observing Runs



Phase 3

Download Pre-P88 PI Packs

Manage your Phase 3 Data Releases

Other Services

Delegation

ESO E-Newsletters

Science Data Products Forum

Ask for help

Data Archive

My Archive Requests

- New features: data and Phase 2 delegation
 - Delegate access to proprietary data to other “Co-Is”
 - Allow **one** other “Co-I” to prepare and submit observations (cache is not shared!)

Observing Run progress page

Service Mode Observing Run Progress Report

ESO — Reaching New Heights in Astronomy

The ESO Science Archive: It is possible to query the [ESO Science Archive](#) to see which object has been observed for you. Just query the database using your Programme ID, Observing run ID, or the name of the object. Alternatively, in the list of executed OBs shown below you may click on an OB ID to access all raw data files produced with that Observation Block. Also note that for observing runs prior to Period 88 you may access the reduced data at any time using the "Pipack" service.

Your Period 80 Observing Programme:

[Back to list of Service Mode runs](#)

Stellar population guide to the pre- and post-starburst phases of nearby galaxies

Observing Run Requirements:

RunID	Period	Instrument	Telescope	OPC hours	Moon	Seeing	Status	Progress
080.B-0692(A)	80	VIMOS	UT3	11.00	grey	0.80	TERMINATED/EP	Data: SENT FULL release Release date: Apr 18 2008 11:25:03:106AM

Last update: Mon Jan 9 15:31:36 2012

[Explanation of entries in the Table](#)

Observations to date:

Date	OB ID	OB Name	Status	Atmospheric Conditions
5-6 February 2008	290106	IMG NGC5102_F2_V3	Completed	ACD
5-6 March 2008	290100	IMG NGC5102_F1_BVRphot	Completed	ACD
	290107	IMG NGC5102_F2_BVRphot	Completed	ACD

Done

Ask for Help

Hello Dr. Hummel No ticket submitted by you could be found in the database.

Manage your tickets

Create a new ticket

To what is your issue related? Choose from the list of topics below.

- 1. Preparing an observation proposal
- 2. Submitting an observation proposal
- 3. OPC feedback on a proposal
- 4. Phase 2 for a service mode observing run
- 5. Ongoing service mode observing run
- 6. Visitor mode observing run
- 7. Other

Your request for support concerns the following topic

Please fill in the following fields accordingly. These fields are mandatory for ticket submission.

Subject

Description

OPTIONAL FIELDS

You may attach up to 7 files to your ticket.
First click on an empty row in the table below, then click on 'Add file'.
Choose the file to attach and confirm your choice by clicking on 'OK'.

File Name	Size	Attach Label
		Attachment1
		Attachment2
		Attachment3
		Attachment4
		Attachment5
		Attachment6
		Attachment7

You may send a copy of your submission to other e-mail addresses using the field below.
You may add one e-mail address per line.
Please make sure each e-mail address is a valid one.

CC list

Number of runs associated to your account: 12

If your ticket concerns any of these runs, please indicate the runs by choosing from the drop-down menu. You may also type in a run ID directly into the List of Runs.

Please choose from the list below

Run ID

List of runs