



**ESO headquarters  
Garching,  
Feb. 14/15 2004**  
Hans Ulrich Käufel, ESO

## **ESO Micro Workshop to coordinate a groundbased observing campaign of comet 9P/Tempel 1**

- overview about ESO's proposal process
- deadlines
- my interpretation of a road-map to success
  - excellent science case
  - strong coherence in the proposal
  - convincing strategy for data reduction and interpretation



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## How ESO schedules its telescopes:

- organized in semesters:

**P 74: Oct. 1<sup>st</sup> 2004 - March 31<sup>st</sup> 2005**

**call issued March 1<sup>st</sup> 2004**

**deadline April 1<sup>st</sup> 2004**

**P 75: April 1<sup>st</sup> 2005 - Sept. 30<sup>th</sup> 2005**

**call issued Sept. 1<sup>st</sup> 2005**

**deadline Oct. 1<sup>st</sup> 2005**

**P 76: Oct. 1<sup>st</sup> 2005 - March 31<sup>st</sup> 2006**

**call issued March 1<sup>st</sup> 2005**

**deadline April 1<sup>st</sup> 2005**



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all info from the web, e.g.:

<http://www.eso.org/observing/proposals>

[/CfP\\_P73.pdf](#)

this document does not change too much from period to period

< - > instruments change

but

< - > part III relevant for deep-impact



ESO Call for Proposals - P73  
Proposal Deadline: 1 Oct 2003, 12:00 noon CEST



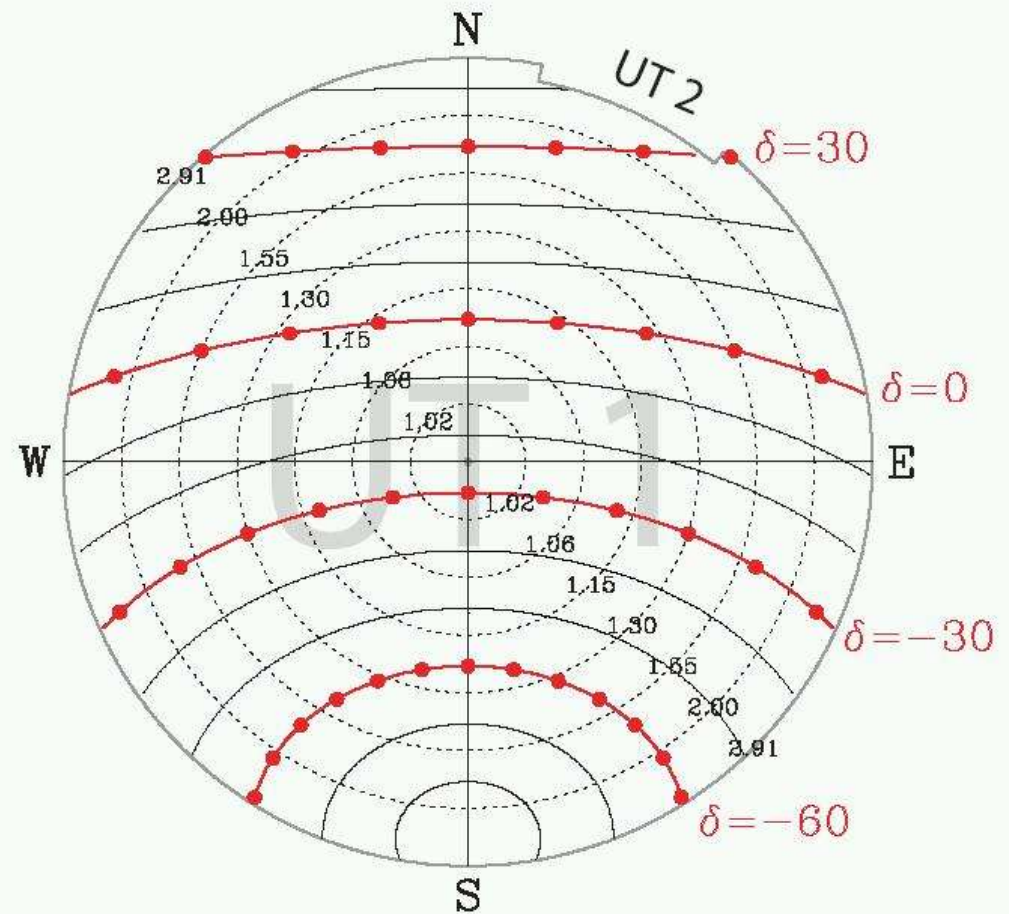
# ESO Micro Workshop to coordinate a groundbased observing campaign of comet 9P/Tempel 1

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slide 4

## VLT special constraints

- > elevation > 20 deg
- > earliest/latest middle of civil twilight





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type of ESO proposals:

- “normal” proposals
  - < 100h & within one semester
  - as many runs / instruments / telescopes as desired
- “large” proposals
  - > 100 h &/or
  - up to 4 consecutive semesters
- director's discretionary time proposals
- visitor mode < - > service mode



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**type of ESO proposals (continued):**

- **large programmes have some special conditions:**
  - **reviewed by entire OPC**
  - **special plan for "quick and comprehensive effort for data reduction and analysis by a comprehensive team"**
  - **"relevant expertise and facilities must be demonstrated"**
  - **fall-back proposal, if "downgraded" to normal**
  - **progress report by PI to OPC required**
  - **not really meant for ToO type programmes**



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## Target of Opportunity or not Target of Opportunity?

- this seems to be a "genericly predictable ToO"
- for this ESO has an established policy
- submitting consecutive 'normal' proposals for P74/75 classified as ToO could thus be more appropriate
- PI has to "trigger" the observation
  - > gives more flexibility, e.g. in case of launch delay / mission changes



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## memberstate / non-memberstate proposal

- definition: if 2/3 of proposers are not affiliated with an ESO-memberstate then it is non-member-state
- for a non-memberstate proposal it needs emphasizing, that ESO facilities are being used for uniqueness
- non-memberstate proposal needs to be "slightly" better

## Role of the PI

- is the sole point of contact for ESO (-> quite some responsibility for such a big project)



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more about service mode policies:

- calibration is part of observatory "infrastructure"
- observations organized in "observing blocks" (OBs)
- normally OBs asked for in Phase I are binding
  - > ToO approach would give all flexibility
- timing links for this proposal should not be a problem, rather the opposite
- when calculating time-requirements overheads have to be taken into account (beyond the ETC-values)



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more about service mode policies:

- for each instrument there is a Exposure Time Calculator (ETC)
- accessible through a web-interface
- it may not be entirely useful for this particular project
- the synoptic aspect has to be emphasized in justifying the time request



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beyond the "normal contents" covered by the standard form this proposal has special requirements which need substantial additional information:

- seeing/cloud constraints imply do\_it/do\_not\_bother type decision
- we plan to do daytime observations
- we want to ignore other limits (twilight, zenith-dist.)
- we plan to use instruments in the future, which do not exist now (VISIR / SINFONI)



## WARNING

- so far, only phase I proposal preparation was discussed
- if successful, there is then the PHASE II of proposal preparation
- this is a rather heavy and time-consuming stage  
-> especially when asking for many short set-ups!
- I suggest to make a convincing case in the proposal we must state that we a) **understand** this and b) have the **manpower/expertise** for the exercise



# QUESTION

- Given the orbital properties of P9/Temple 1 should the impact timing not be reconsidered?
- this would certainly give much more momentum to the project for Chilean observatories / ESO
- 4 observatories in Chile (Tololo/Pachon, LaSilla, Magellan, Paranal)
- hand-over to US-mid-West-facilities
- hand-over to Hawaii
- hand-over to Australian sites ...
- then there is a gap till Calar/Alto / Canaries catch up