How to Propose: An Introduction

NASSP, I April 2009

The most important slide

If you have any questions or problems with any of the proposal tools, do not hesitate to send an email to

salthelp@saao.ac.za

A first attempt for a proposal

Shall I compare thee to a summer's day? Thou art more lively and more temperate. But thy eternal summer shall not fade Nor lose possession of that fair thou owest. Might be suitable for your loved one, but definitely not for SALT...

A second attempt for a proposal

<Title>

Occultation of Triton

</Title>

<Abstract>

SALTICAM in slotmode will be used...

<Abstract>

</Proposal>

You surely don't want to write this yourself!

RIGHT OF ADMISSION RESERVED

So how do you get your proposa beyond this door?

The proposing process

- I. Plan your observation.
- 2. Create your proposal.
- 3. Submit your proposal.
- 4. Check and accept your proposal.
- 5. If necessary, resubmit your proposal.
- 6. Hope for good weather.
- 7. Receive your data.

Plan your observation

• What do you need to do?

There are two simulators which can help you in deciding about your instrument configuration: Salticam Simulator RSS Simulator There also is a tool for creating slit masks, but this won't be discussed here.

Plan your Observation

When and how long can your target(s) be observed?

There is a tool for checking the visibility: Visibility Tool

Create and (re-)submit your proposal

There is a tool for assisting you when creating, submitting or resubmitting a proposal:

Principal Investigator Proposal Tool (PIPT)

Check and accept your proposal

Your proposal can be checked and accepted with a dedicated online tool:

Web Manager

Hope for good weather



Receive your data

... This is beyond the scope of this talk ...

Salticam Simulator



Salticam Simulator

The Salticam Simulator can be used to simulate a Salticam exposure for various target spectra.

Generate Spectra Make an Exposure Use? V Mag: 20 ° Temperature (K): 5.000 ° Power Law Use? V Mag: 20 ° Index: -2 ° Choose target spectrum Use? V Mag: 20 ° Temperature (K): 10.000 ° log(G): 0.0 ° 0.0 ° Use? V Mag: 20 ° Temperature (K): 10.000 ° log(G): 0.0 ° 0.0 ° 0.0 ° Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Emission Line 0.0 ° Choose File or Choose URL URL: N/A Emission Line Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Emission Line Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Emission Line Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Emission Line Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Emission Line Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Emission Line Use? V Mag: 20 ° Choose File or Choose URL URL: N/A Use? V Mag: 20 ° Choose File Solar Elongation: 180 ° Choose File <th>0 0</th> <th>Salticam Simulator Tool (Version 0.9)</th>	0 0	Salticam Simulator Tool (Version 0.9)						
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Salticam Simulator Tool (Version 0.9)
Generate Spectra Make an Exposure
Set Exposure Type
Filter Mode Single Filter 🗘 CCD Mode Normal 🛟
Exposure Time per Frame (s) 100 Overhead Time: 18.20 s
Number of Cycles 1
Number of Iterations 1 Total Readouts: 1
Choose detector and time for all frames, including overheads: 118 s
Binned Rows 2
Setup Binned Columns 2
Gain Bright ≑
Readout Speed Slow ≑
Filter R-S1
Click "Expose" to generate statistics summed over all cycles and iterations
S/N: 300 Object Counts: 108,670 Sky Counts: 22,015 Pixel Saturation: 8.11 %
signal-to-hoise, counts,
Expose saturation

Compare target and background spectra



RSS Simulator



RSS Simulator

The RSS Simulator is essentially the same as the Salticam Simulator, but as RSS is a spectrograph, it comes with a few extra goodies...







Visibility Tool



Visibility Tool

The Visibility Tool tells you when and for how long a target can be observed with SALT.





Beware!

Note that the Visibility Tool tells you what the phase of the Moon is, but not how close it is to your target!

This will be improved in the next version.





PIPT

The PIPT lets you create, submit and resubmit your proposals.





A Block is the smallest unit which can be scheduled.

In other words: All the content of a Block will be observed in one go, whereas different Blocks may be observed at different times.

Keep in mind...

- When you want to add or remove something, the right mouse button is your friend.
- Pay attention to the overhead times!
 Sometimes the overhead can be reduced significantly by choosing a more appropriate filter sequence.

Keep in mind...

- Don't forget about the track length.
- Red colour means that something is missing (but this isn't entirely reliable).
- You must have an account at <u>http://wmteaching.salt.ac.za/wm</u> before you can submit a proposal.
- Remember: Help is only an email away!

Web Manager

The Web Manager allows you to view your proposals, and it allows the SALT Astronomers to make administrative changes.

It is an online application, so you just need a browser for using it.

You can find it at <u>http://wmteaching.salt.ac.za/wm</u>





Download XML

00 SALT - Web Manager - View Proposal http://wmteaching.salt.ac.za/wm/proposal/2008-1-RSA-001/ Ċ \approx +Java 5 Java 6 Apple Wikipedia WebSVN SOUTHERN LARGE TELESCOPE

2008-1-RSA-001

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Home

View proposal (full mode)

Proposals

Display mode: Compact - Full P 2008-1-RSA-001 (U Investigators + Blocks Ŧ + Observations Targets Ŧ Instrument configs

sidebar

Expand/collapse all

customise proposal view

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Proposal 2008-1-RSA-001	
General	
Title	

Options

SDB Query

🜀 🔹 🔾 🗸 Google

AdditionChristiamublettlage!

Logout

help

Observations of the Eruption of U Sco

Code	Phase	Semester	Submission date
2008-1-RSA-001	2	1/2008	01/04/2009
	Abstract		

High speed slotmode photometry of the recurrent nova U Sco will be observed when the system goes into an outburst, which is expected to occur anytime over the next year or so (2009.3 +/- 1).

Warnings

This proposal is final and is going to be observed!

Details				Time distribution		
Status	Final	Target of Opportunity	Total time	PriorityMod	Partner	Percent
		-pp	18000		South Africa	100
Active	Yes	Yes	18000	NO		



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You are special!

A special server has been set up for the proposals you create as part of this course.

Please make sure that you create an account on and submit your proposals to this server only.

The URL is http://wmteaching.salt.ac.za/wm

Thanks!

