Observing Block Generator
OB Generator

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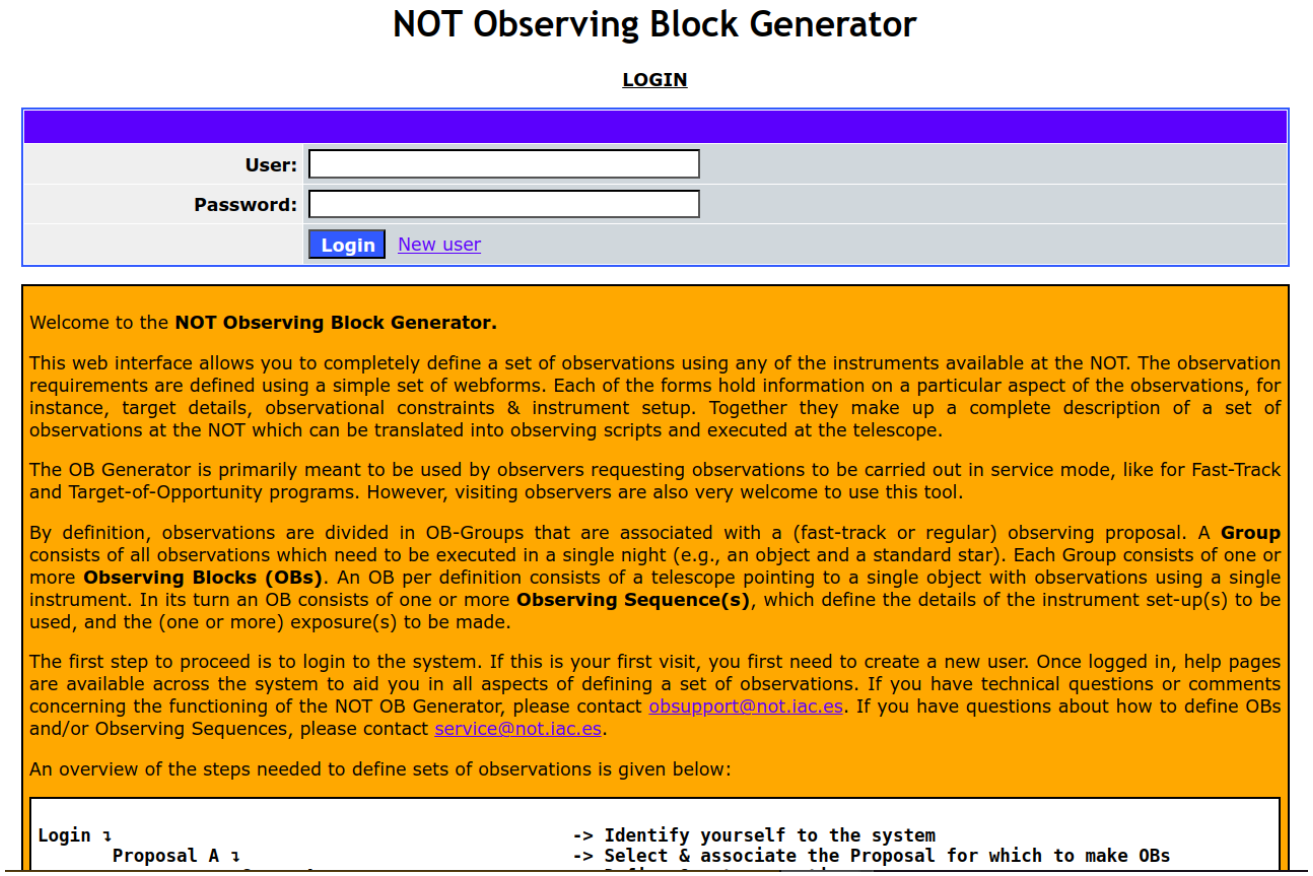
CHETEC INFRA

Logging in

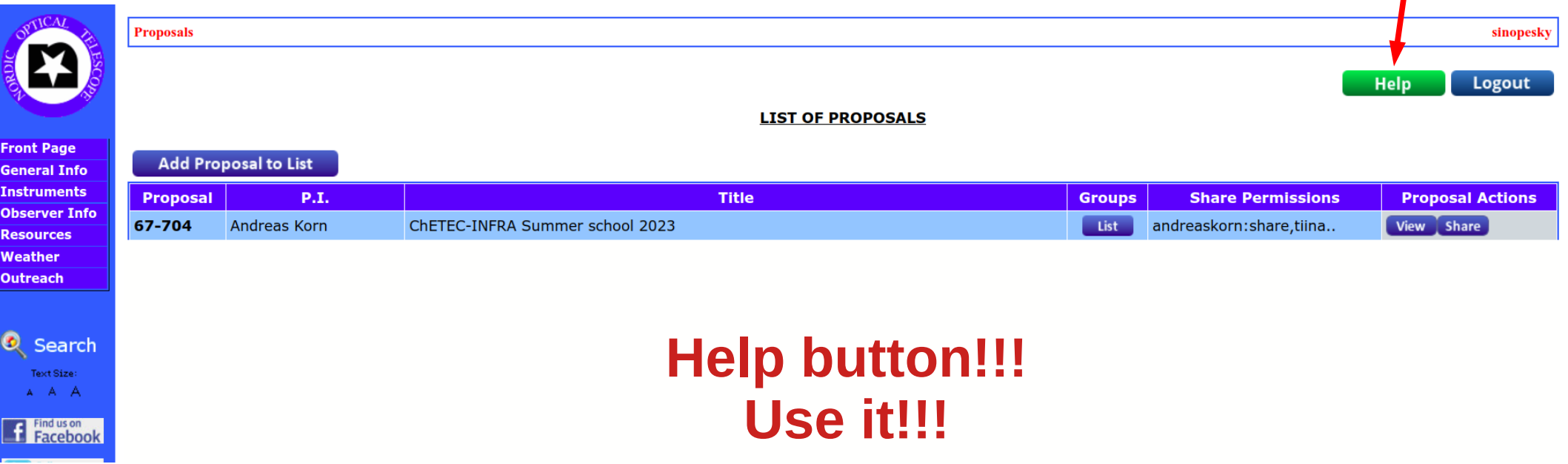


https://www.not.iac.es/observing/forms/ob/login.php

You will create one account per group together with us!

1 corresponding email
1 user+password

After logging in and some tricks



Help button!!!
Use it!!!

Observing Block generator - OBs

I) Observing Group (one night observations):

Contains OB(s)

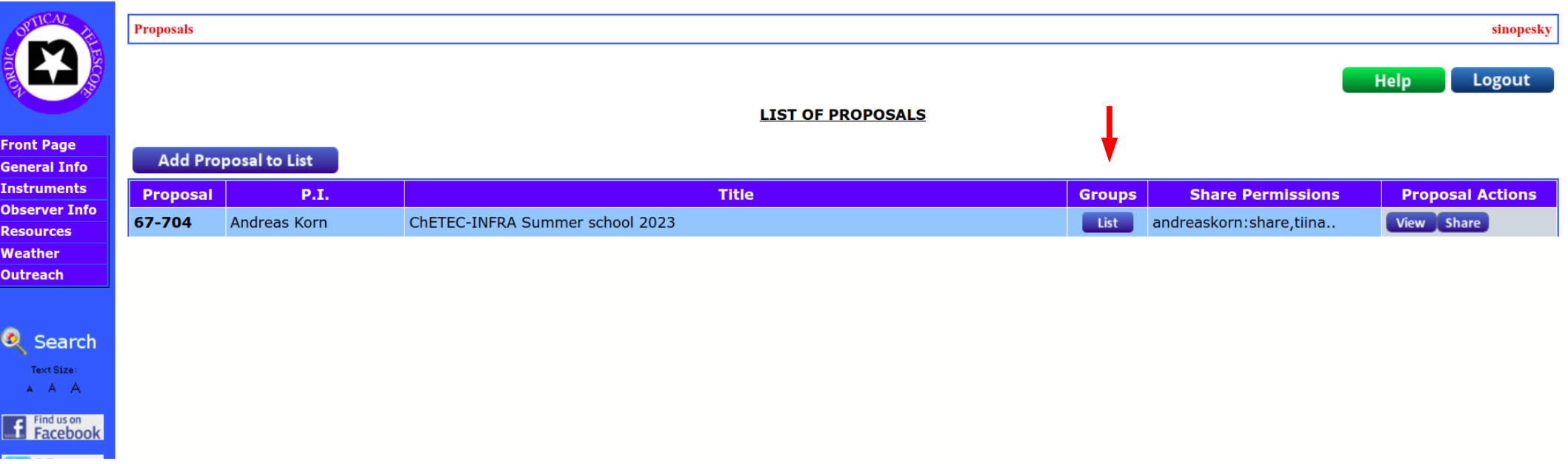
II) Observing Block (single pointing/instrument)

Contains obs. sequence(s)

III) Observing sequence (several exposures)

Group > block(s) > sequence(s)

Click *List Groups*



Group > block(s) > sequence(s)

Group(s)

List Targets | List Proposals | Help | Logout

SUMMARY OF PROPOSAL: 67-704

Proposal	P.I.	Title	Email	
67-704	Andreas Korn	ChETEC-INFRA Summer school 2023	andreas.korn@physics.uu.se	View

OBSERVING TIME BREAKDOWN

Type	InPrep	Submitted	Active	Closed	Expired	Total
Monitor	0	1634	0	0	0	1634

LIST OF OBSERVING GROUPS

Show Closed/Expired

Group Name	Instrument(s)	Mode(s)	Type	Seeing	Weather	Moon	Obs. Time	Comments	Time Critical	Priority	Linked	Blocks	Status	Group Actions
raqr2023	ALFOSC	IMA	Monitor	1.3	Thin Clouds	Any	1634	No	20230725	1	No	List	Submitted	Copy

Add New Group | Import Group | Link Groups | Show All Blocks

Group > block(s) > sequence(s)

Block(s)

List Targets | List Proposals | List Groups | Help | Logout

SUMMARY OF OBSERVING GROUP: raqr2023

Group Name	Instrument(s)	Mode(s)	Type	Seeing	Weather	Moon Phase/Dist	Obs. Time	Critical Dates	Comments	Status	Group Actions
raqr2023	ALFOSC	IMA	Monitor	1.3	Thin Clouds	Any/Any	1634	20230725		Submitted	

LIST OF OBSERVING BLOCKS

If the observing blocks should be executed in a given order, please specify so using the 'Comments' box.

#	Block Name	Instrument	Mode	Object	Type	Seeing (max)	Weather	Moon Phase/Dist	Airmass (max)	LST Range	Obs. Time	Pos. Angle	Finding Chart	Comments	Sequences	Acquisition Info	Block Actions
#	**ima**	ALFOSC	IMA	RAqr	science	1.3	Thin Clouds	Any/Any	2.00	20.9 - 2.6	1634	Default	Yes		List		View

Group > block(s) > sequence(s)

Sequences

List Targets | List Proposals | List Groups | List Blocks | Help | Logout

SUMMARY OF OBSERVING BLOCK: ima

#	Block Name	Instrument	Mode	Object	Type	Seeing (max)	Weather	Moon Phase/Dist	Airmass (max)	LST Range	Obs. Time	Pos. Angle	Comments	Acquisition Info	
#	**ima**	ALFOSC	IMA	RAqr	science	1.3	Thin Clouds	Any/Any	2.00		1634	Default			View

LIST OF OBSERVING SEQUENCES

The observing sequences will be executed exactly in the order they appear in the list

		Detector					Instrument	Dither		Exposure				
#	Sequence Name	Readspeed	Amp	Bin	X,Y begin	X,Y size	Filter	Pattern	Offset X,Y / Final X,Y	Observing type	Exptime per dither point	Obstime total	Comments	Sequence Actions
1	**o3_10s**	Default	Default	1x1	1,1	2148,2102	#90: [OIII] 501_3	None	0.00,0.00 / 0.00,0.00	Object	1 x 10.0	38		View
2	**o3_40s_1**	Default	Default	1x1	1,1	2148,2102	#90: [OIII] 501_3	None	0.00,0.00 / 0.00,0.00	Object	1 x 40.0	68		View
3	**o3_40s_5**	Default	Default	1x1	1,1	2148,2102	#90: [OIII] 501_3	5-point (dice 5)	2.00,2.00 / 0.00,0.00	Object	1 x 40.0	381		View
4	**o2_30s**	Default	Default	1x1	1,1	2148,2102	#30: [OII] 373_5	None	0.00,0.00 / 0.00,0.00	Object	1 x 30.0	58		View
5	**o2_120s_5**	Default	Default	1x1	1,1	2148,2102	#30: [OII] 373_5	5-point (dice 5)	2.00,2.00 / 0.00,0.00	Object	1 x 120.0	781		View

Adding new group

List Proposals | List Groups | Help | Logout

ADD OBSERVING GROUP

Observing Group	
Group Type	○ Monitoring ○ Payback ○ ToO ○ SoftToO ○ Service ○ Visitor ○ CAT Service
	Create Observing Group

Group Types

Monitoring	- to define OB groups for scheduled monitoring programs
Payback	- to define OB groups to compensate for observing time lost, e.g. to ToO/Monitoring programs
ToO	- trigger for ToO programs. **Per default, critical date for this group is set to today**
SoftToO	- trigger for soft ToO programs (no override status). **Per default, critical date for this group is set to today**
Service	- to define OB groups for regular programs that will be executed by NOT staff
Visitor	- to create observing scripts for regular programs that will be executed by visiting astronomers
CAT Service	- to define OB groups for spanish programs that will be executed in CAT Service nights

Adding new OB 1

- In the Observing Group(s) window > List Block > *Add New Block*

List Targets | List Proposals | List Groups | Help | Logout

SUMMARY OF OBSERVING GROUP: plapla

Group Name	Instrument(s)	Mode(s)	Type	Seeing	Weather	Moon Phase/Dist	Obs. Time	Critical Dates	Comments	Status	Group Actions
plapla	None	None	Monitor			/°				InPrep	Edit Submit

LIST OF OBSERVING BLOCKS

If the observing blocks should be executed in a given order, please specify so using the 'Comments' box.

	Block Name	Instrument	Mode	Object	Type	Seeing (max)	Weather	Moon Phase/Dist	Airmass (max)	LST Range	Obs. Time	Pos. Angle	Finding Chart	Comments	Sequences	Acquisition Info	Block Actions

Add New Block | Import Block

ADD OBSERVING BLOCK

Instrument	FIES
Mode	Spectroscopy
Observing Block Name	plapla2
	Create Observing Block

Adding new OB 2

List Proposals | List Groups | List Blocks | Help | Logout

OBSERVING BLOCK DEFINITION FORM

To be able to submit this observing block, it is necessary to create the observing sequences first.
Fill in the form, click 'Save Draft' and proceed to the Sequence level.

Instrument	
Instrument	FIES
Mode	SPEC
OB Identifier	
Observing Group	plapla
Observing Block	plapla2
Generated Script Name	plapla_plapla2
Image Type	(•) Science ( ) Standard ( ) Calibration
Comments	
Target Details	
Finding Charts	Edit (Complete before entering target info)
	Import target from catalog
Target name	
RA	Proper motion 0.00 arcsec/year
DEC	Proper motion 0.00 arcsec/year
Equinox	2000.00

Adding new sequence 1

- In the Observing Block(s) window > List Sequences > *Add New Sequence*

List Proposals | List Groups | List Blocks | List Sequences | Help | Logout

OBSERVING SEQUENCE DEFINITION FORM

Instrument	
Instrument	FIES
Mode	SPEC
Sequence Identifier	
Observing Sequence	
Comments	
Detector Setup	
Configuration	Readspeed: Default Amplifier: Default Bin: 1x1
Instrument Setup	
Fiber	#1 Low-Res
Integration Details	
Type	Object
Science Exposure	seconds
Number of Exposures	1
	Verify Sequence Save Draft Submit Sequence

Adding new sequence 2

- **Use Help!**

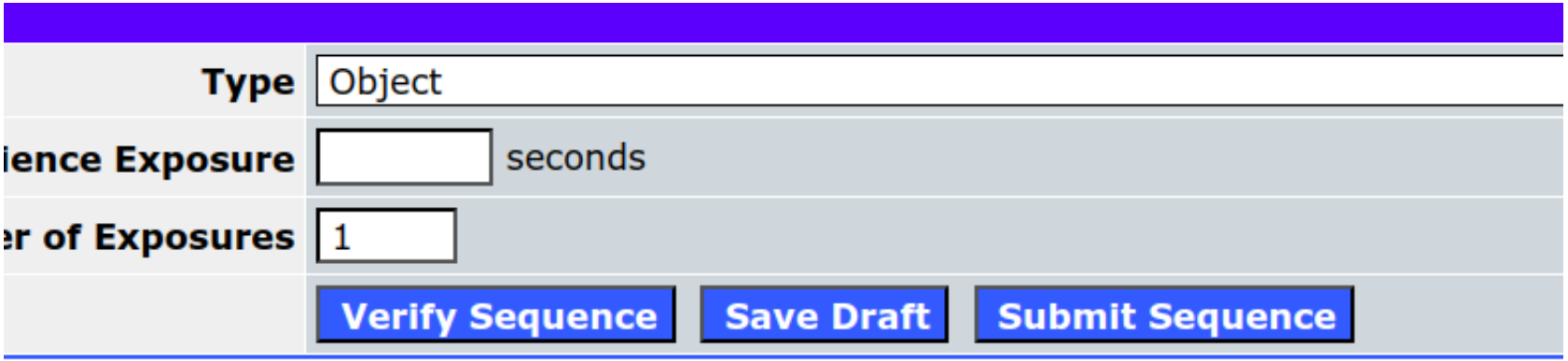
This form defines the requirements for the observing sequence.

On this level, you need to specify the detector and instrument setup and the actual integration details.

The form is divided into several sections. The information required in each section is as follows:

- **Instrument**
  - Both Instrument and observing mode are fixed on this level. You can not change these settings.
- **Sequence Identifier**
  - Observing Sequence: If needed, rename the observing sequence.
  - Comments: Any notes you find useful for this observing sequence.
- **Telescope Setup**
  - For ALFOSC Imaging and Imaging polarimetry, it is possible to explicitly defocus the telescope away from optimal focus in order to avoid saturation of very bright targets. Typical telescope defocus values range from 200 to 2000 units. To leave the telescope focussed, this value should be left at the default 0 units.
- **Detector Setup**
- **Instrument Setup**
- **Integration Details**

Very important!!!!



- Buttons *Verify* and *Submit* (Block and Sequences level)
- Verify: any time
- Submit only when you are sure it is ready!
- First submit sequence(s), then blocks.

Lets have some fun!