



# Télescope Bernard Lyot

Université Paul Sabatier – Observatoire Midi-Pyrénées

Réf. :  
Version : 0.1  
Date : 19 February 2020  
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## TBL\_PH2\_Neonarval\_Temporal Notice

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Liste de diffusion

Pour application	Pour commentaires	Pour information

## Historique

Version	Révision	Date	Commentaires
0.1		19 February 2020	

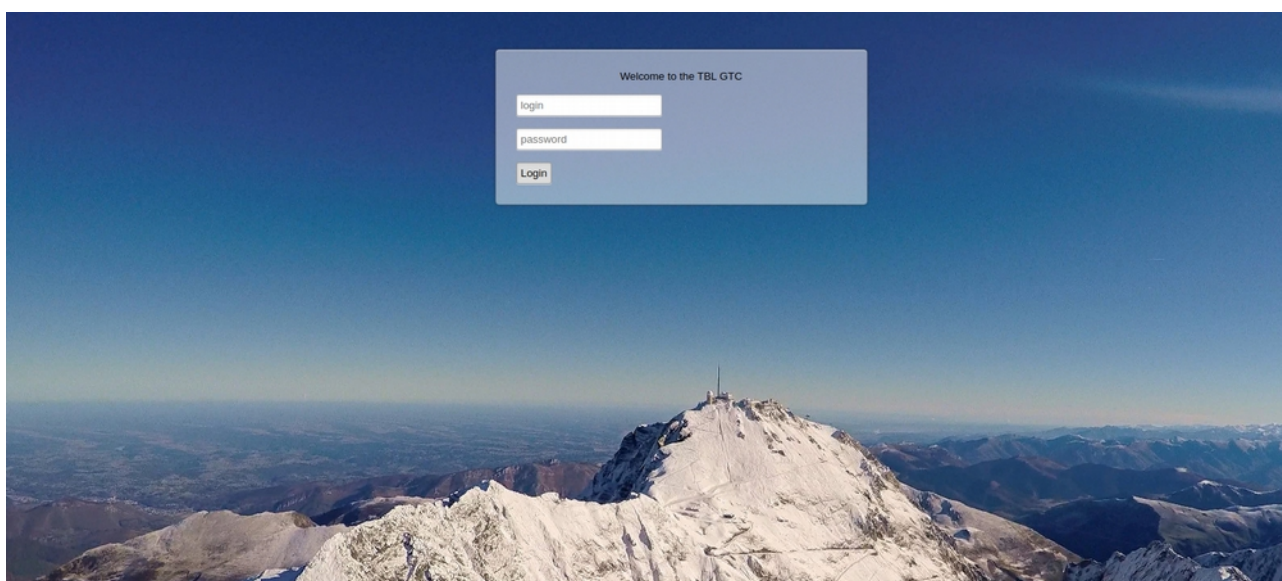
## Documents Associés

Nom du document	Référence du document

[Login into the PH2](#)

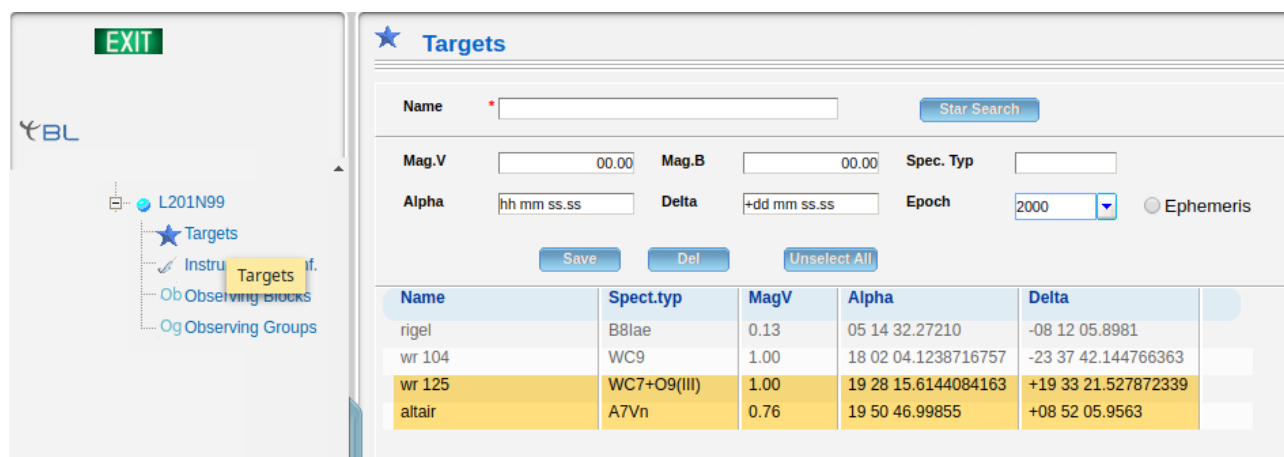
## Only two ways to connect to the PH2

<https://wwwtbl.bagn.obs-mip.fr/>  
<https://wwwtbl2.bagn.obs-mip.fr/>



The login username is the email that the principal investigators (PIs) provided in the proposal and the password is communicated to the PI by email. PIs have access to their ongoing programs (current semester) and to their programs in preparation (next semester). Co-investigators (Co-Is) may also access the PH2 of their programs but they had to request an account to TBL (tbl@obs-mip.fr).

## [Targets](#)



The screenshot shows the 'Targets' interface. On the left is a navigation menu with 'EXIT' at the top, followed by 'L201N99', 'Targets', 'Instru. Conf.', 'Ob. Observing Blocks', and 'Og. Observing Groups'. The 'Targets' menu item is highlighted. The main panel is titled '★ Targets' and contains a search bar with a 'Star Search' button. Below the search bar are input fields for 'Mag.V' (00.00), 'Mag.B' (00.00), 'Spec. Typ', 'Alpha' (hh mm ss.ss), 'Delta' (+dd mm ss.ss), and 'Epoch' (2000). There are 'Save', 'Del', and 'Unselect All' buttons. A table lists target data:

Name	Spect.typ	MagV	Alpha	Delta
rigel	B8Iae	0.13	05 14 32.27210	-08 12 05.8981
wr 104	WC9	1.00	18 02 04.1238716757	-23 37 42.144766363
wr 125	WC7+O9(III)	1.00	19 28 15.6144084163	+19 33 21.527872339
altair	A7Vn	0.76	19 50 46.99855	+08 52 05.9563

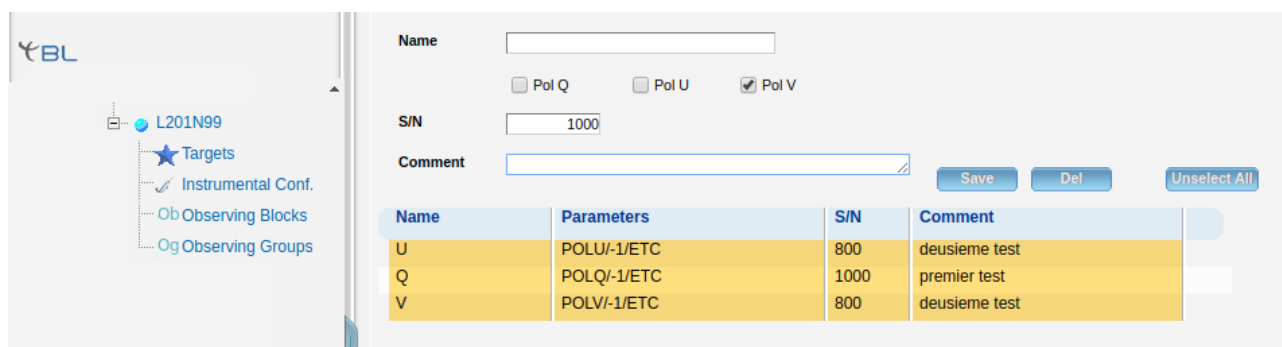
From 2020B on, the proposals are filled in PH0 (old northstar) and after the TAC proceeded, all data of accepted programs are transferred from PH0 to PH2.

Target names must be valid SIMBAD names for future processing of the observations and the data exploitation. Target magnitude V and spectral type are extracted from SIMBAD databases and used by the exposure time calculator (ETC) to compute the most efficient camera readout mode.

If the SIMBAD queried values are wrong, you can change them as you wish.

If the target spectral type is unknown, a generic spectral type of G2 is assigned by the ETC to the target.

## [Instrumental configuration](#)



The screenshot shows the 'Instrumental configuration' interface. On the left is a navigation menu with 'L201N99', 'Targets', 'Instrumental Conf.', 'Ob. Observing Blocks', and 'Og. Observing Groups'. The 'Instrumental Conf.' menu item is highlighted. The main panel contains a 'Name' input field, radio buttons for 'Pol Q', 'Pol U', and 'Pol V' (with 'Pol V' selected), an 'S/N' input field (1000), and a 'Comment' input field. There are 'Save', 'Del', and 'Unselect All' buttons. A table lists configuration parameters:

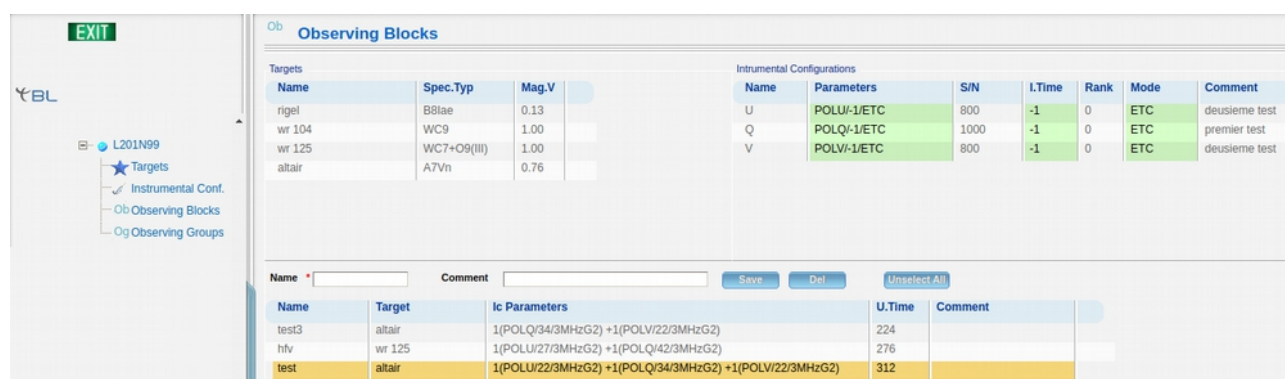
Name	Parameters	S/N	Comment
U	POLU/-1/ETC	800	deusieme test
Q	POLQ/-1/ETC	1000	premier test
V	POLV/-1/ETC	800	deusieme test

Neo-Narval instrumental configuration (IC) is simple. Users are no longer asked to provide readout mode and exposure time. They must only chose a polarimetric mode and the signal-to-noise required to achieve their science goals.

**NB: we strongly suggest you only create the smallest number of IC needed for your requested S/N and Stokes parameters. Because the ETC process is long.**

The ETC automatically computes the optimal exposure time and readout mode of the instrument.

## Observing Blocks



Name	Spec.Type	Mag.V
rigel	B8lae	0.13
wr 104	WC9	1.00
wr 125	WC7+O9(III)	1.00
altair	A7Vn	0.76

Name	Parameters	S/N	I.Time	Rank	Mode	Comment
U	POLU-I/ETC	800	-1	0	ETC	deusieme test
Q	POLQ-I/ETC	1000	-1	0	ETC	premier test
V	POLV-I/ETC	800	-1	0	ETC	deusieme test

Name	Target	Ic Parameters	U.Time	Comment
test3	altair	1(POLQ/34/3MHzG2) +1(POLV/22/3MHzG2)	224	
hfv	wr 125	1(POLU/27/3MHzG2) +1(POLQ/42/3MHzG2)	276	
test	altair	1(POLU/22/3MHzG2) +1(POLQ/34/3MHzG2) +1(POLV/22/3MHzG2)	312	

An observing block (OB) is a combination of one target and at least one IC.

Each time you click on a target to select a star, the ETC computes the exposure time for all ICs (it may take a while), using the target magnitude, spectral type and IC requested S/N.

Save your OBs as before.

## Observing Groups

**EXIT**

**Og Observing Groups**

Observing Blocks Constraints Within the Night

Name	Target	Ic Parameters	U.Time	Iter	HA
test3	altair	1(POLQ/34/3MHzG2) +1(POLV/22/3MHzG2)	224	1	no
hfv	wr 125	1(POLU/27/3MHzG2) +1(POLQ/42/3MHzG2)	276	1	no
test	altair	1(POLU/22/3MHzG2) +1(POLQ/34/3MHzG2)	312	1	no

Observing Blocks Constraints Within the Semester

Name:  Comment:  Rank: A Time Unit: Sec

Seeing:  Attenuation:  Air Mass:

Observable:  From  To N Nights:  Min  Max

Allocated - Used = Left

A	3600 - 312 = 3288
B	3600 - 0 = 3600
C	3600 - 0 = 3600

Save Del Unselect All

Name	Target	Ic Parameters	Rank	U.Time	Comment
test	altair	1[1(POLU/22/3MHzG2) +1(POLQ/34/3MHzG2) +1(PC	A	312	

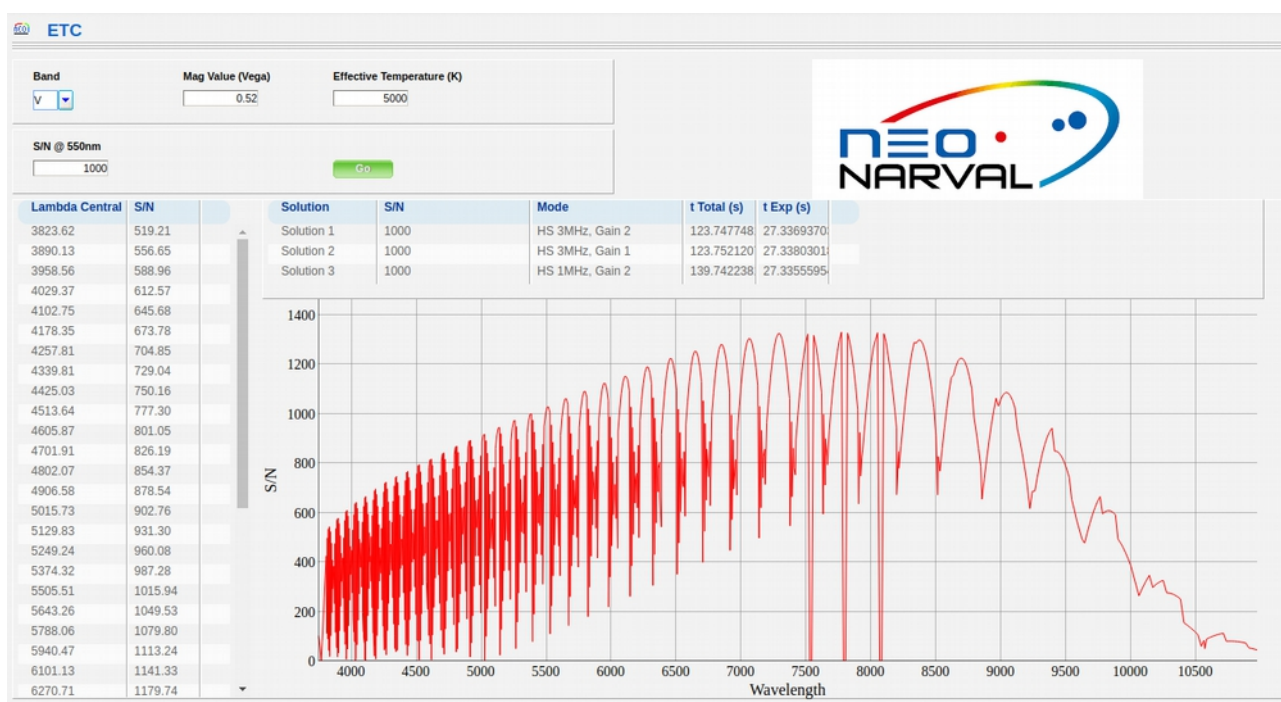
Nothing has been changed compared to the Narval version.

## ETC

### Two ways to connect to the PH2

<https://www.tbl.bagn.obs-mip.fr/ETC>

<https://www.tbl2.bagn.obs-mip.fr/ETC>



For technical support or for any questions write to us at [tbl@obs-mip.fr](mailto:tbl@obs-mip.fr).