

# Auger Monitoring Web Site: Quick Start

M. Avenier, C. Berat, C. Lachaud, F. Melot, J. Rautenberg, A. Stutz  
and the monitoring-task team

December 22, 2010

The present note is a short notice for Auger collaborators starting to use the Auger Monitoring web site. For a more precise description, you can refer to the [GAP-Note 2010-038 \[1\]](#) or to the wiki at <http://wiki.auger.org.ar/doku.php?id=monitoring:main>.

The Auger Monitoring Web Site is hosted in two locations:

- In Malargüe, at <http://moni.auger.org.ar/pro>,
  - for any user to create an account
  - for shifters and experts to monitor the system
- In Wuppertal, at <http://paomon.uni-wuppertal.de/pro>, for all other uses.

**Warning :** This web site is designed to work with Firefox web browser, so users are strongly encouraged to use it. Tests have been performed with Safari, and this web browser can be used too. A smooth running of the Auger Monitoring Web site can not be guaranteed when using other web browsers.

## Outline

1	How to get an individual account?	2
2	How to authenticate to the web site?	2
3	What to do if you forget your password?	3
4	Which web site to use?	3
5	How to use header and footer?	3
6	First example: obtaining the list of black tanks	4
7	Second example: finding a tank in the array	5
8	Third example: variances of the FD background data	6
9	Fourth example: check FD calibration	7

## 1 How to get an individual account?

First of all, you need an individual user account to browse the Auger Monitoring Web Site. To request one, connect to the production site (<http://moni.auger.org/pro>) and click to the [Register](#) link (purple oval in figure below):

**Auger Monitoring Login Page**  
*You are currently not logged in! Enter your authentication credentials below to log in.*

Login:   
Password:   
[ Validation ]

If you are not yet registered, [Register](#).  
If you loose your password, [Request a new one!](#)

[Administrator section](#)

**WARNING:** This web site is only for the Auger collaboration members. All connection requests will be logged (login, IP address, ...). You need to have cookies enabled to log in. This is the monitoring-master hosted at Malargüe. Access from outside is restricted, so you might want to directly redirect to the [European mirror](#). If you prefer to use the collaboration generic login, you have to use the [European mirror](#).

A registration form is displayed. First, you have to give the current login and password of the Auger collaboration. Then fill with your first name, last name, email address, telephone number, choose a login (by default, your email address is proposed) and a password and submit the registration form. Note that you need to have cookies enabled to log in.

If you don't want to create a personal account, you are allowed to browse the AugerMonitoring Web site using the generic Auger collaboration login and password, **but only on the European mirror site in Wuppertal.**

## 2 How to authenticate to the web site?

- On the moni site at Malargüe, you have to enter your own login and password (see red oval on figure above).
  - On the European mirror site in Wuppertal, you have to enter either your own login and password, or the Auger collaboration ones.
- If you succeed, you can go directly to section 4.

### 3 What to do if you forget your password?

You can request a new password. To do so, connect to the production site (<http://moni.auger.org.ar/pro>) and click to the [Request a new one](#) link (see green oval in previous figure).

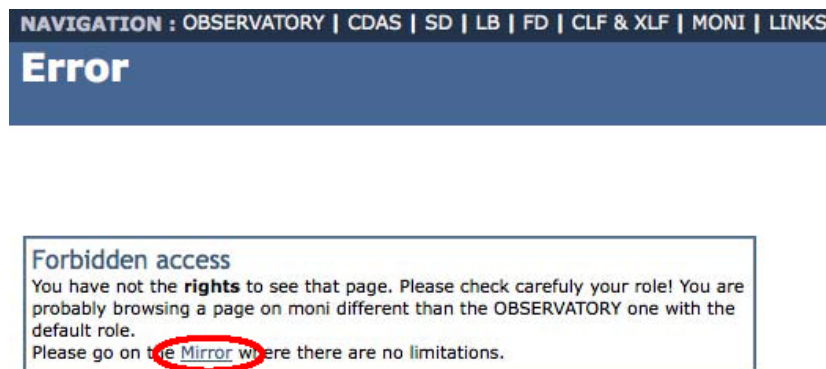
### 4 Which web site to use?

If you are a shifter or an expert, with specific monitoring actions to perform, you have to connect to the moni web site (<http://moni.auger.org.ar/pro>).

In all other cases, you should use the European mirror web site (<http://paomon.uni-wuppertal.de/pro>).

On this mirror site, displayed data and information are exactly the same as on the moni web site.

If you are not a shifter or an expert, but you still connect to the Malargüe production web site (<http://moni.auger.org.ar/pro>) you will not be allowed to browse other pages than the Observatory Monitoring main page. For any other page request, you will face such a message as below where you can click on the link to be directed to the mirror site:



### 5 How to use header and footer?

**Header** Move the mouse over the items OBSERVATORY, CDAS, SD, LB, FD, CLF & XLF, MONI in the NAVIGATION menu to scroll down sub-menus provided to browse the corresponding component web pages of the Auger Monitoring.

**Footer** Click on:

- Logout to disconnect
- My preferences, Show Time Preferences to set your own login and session parameters
- Contact ?, Questions/Comments ? to send mails
- wiki links, Debug, Docs to get on-line help (the two last: mainly for developers).

More about header and footer contents can be found in reference [1].

## 6 First example: obtaining the list of black tanks

Move the mouse over SD in the NAVIGATION menu in the header of the page, then click on the Black Tanks from the SD sub menu:

NAVIGATION : OBSERVATORY | CDAS | SD | LB | FD | CLF & XLF | MONI | LINKS STATUS : ■ ■ ■ UTC: 2010-10-05 13:30:16 - GPS: 970320632

**Observatory Monitor**  
Auger Online Performance SurveyT2 ...

Main  
Alarms ...  
Black Tanks  
Tanks with 2 masked AS  
Triggers  
LS ...  
Array  
Maintenance ...  
Deployment  
Quality cuts (QC)...

Pm IkServer Eb Mr Fd Rc

**SD**

T2 Activity	Triggers	Black Tanks	Alarms	Deployment
In the last 20 minutes : Efficiency = 98.64 % - <LS> = 1572. In the last 24h : Efficiency = 98.91 % - <LS> = 1576. Maximum Number of LS ever seen : 1594 (last seen 17 days ago)	Last event : 2 minutes ago. Last hour : 155 events (2.58 evts/min). Last 24h : 6427 events (4.46 evts/min).	726 black tanks	770 LS fired an alarm. 770 LS still in alarm. 572 LS not in masked alarms list.	1664 tanks deployed 1662 tanks with water 1638 tanks with electronics

**FD Summary**

Building	Last RUN started	RUN Id	RUN State	Status	NT2	NT3	Last Error Message (12 hrs)	occurred at UTC
Los Leones	2010-10-05 00:33:39	3444	stopped	ok			None	---
Los Morados	2010-10-05 00:33:52	2945	stopped	ok			None	---
Loma Amarilla	2010-10-05 00:54:12	1483	stopped	ok	8819	551	None	---
Coihueco	2010-10-05 00:34:08	3729	stopped	ok			None	---
HEAT	2010-10-05 08:06:54	420	stopped	ok	1281	129	None	---

**Weather Conditions**

Weather Station	Time (UTC)	Elapsed Minutes	Temperature	WindSpeed	Humidity

The SD/BlackTanks page is then displayed (see figure below):

NAVIGATION : OBSERVATORY | CDAS | SD | LB | FD | CLF & XLF | MONI | LINKS STATUS : ■ ■ ■ UTC: 2010-10-05 13:12:54 - GPS: 970319590

**Surface Detector**  
Black Tanks

39 black tanks (sending no T2 since 24h)

39 Black Tanks at UTC 2010-10-05 13:11

LatId	Last Seen	Location	Domain
71	2009-11-21 23:00:00	14B-56C-3	Olentangy
76	2010-09-19 00:00:00	11B-56C-3	Olentangy
93	2010-09-22 21:00:00	9D-53D-3	Olentangy
94	2009-11-23 13:00:00	9D-53D-2	Olentangy
103	2010-08-04 18:00:00	27A-31D-1	Pennsylvania
164	2010-04-26 22:00:00	22C-29A-1	Pennsylvania
168	2010-07-24 11:00:00	25C-24A-1	Paris
265	2010-08-26 18:00:00	41B-22D-1	Chicago
269	2010-08-12 16:00:00	39A-21B-1	Chicago
275	2010-10-04 10:00:00	36A-21B-1	Chicago
307	2010-09-11 23:00:00	28C-18D-1	Paris
318	2010-07-28 03:00:00	17B-20A-1	Tenochtitlan
377	2010-09-22 15:00:00	13C-24A-2	Brasil
386	2010-03-27 09:00:00	24D-12B-1	Tenochtitlan
505	2010-08-28 03:00:00	38B-40D-1	Piemonte
585	2010-09-21 16:00:00	3A-47B-1	Olentangy
588	2010-05-01 07:00:00	13C-44D-1	Minneapolis
804	2010-01-14 20:00:00	24D-53D-1	Siberia
868	2010-10-04 00:00:00	23B-53D-1	Sydney
974	2010-06-10 00:00:00	28C-68A-1	Monsoon
1006	2010-08-28 15:00:00	52C-44D-1	Ljubljana
1008	2010-06-08 18:00:00	49C-42A-1	Ljubljana
1010	2010-03-29 03:00:00	51A-44D-1	Ljubljana

Logged as berat | Contact ? | Questions/Comments ? | My preferences | Show Time Preferences | Logout | Debug | Docs | Wiki: user: shifter

## 7 Second example: finding a tank in the array

1. By clicking on the SD/LS menu in the header, you access pages related to single tank.  
On the left part of the page a selector allows to select the local station you want.

NAVIGATION : OBSERVATORY | CDAS | SD | LB | FD | CLF & XLF | MONI | LINKS STATUS : ■ ■ ■ UTC: 2010-10-05 11:47:07 - GPS: 970314443

### Surface Detector

Local Station 266

Local Station ↑

☒ AlarmDefinitionName

LSId ID : 266

Name : Lina

[LS Main Page](#)

[Alarms History](#)

[Alarms Plots](#)

[Standard Plots](#)

[Maintenance History](#)

[Monitoring](#)

[Map position](#)

Current Alarms (In Time Preferences)

■ VEMPeak[1]

no Masked Alarm (In Time Preferences)

#### Informations from PMS

Situation	Operation	Location	Comms	Remarks	
Single	2009-08-31	Domain : Chicago Location : 36D-20A-1 Vegetation : Small bushes (Arbustos)	Easting : 476879.69 Northing : 6080165.60 Altitude : 1376.03	Tower : Los Leones BSU : 14 Angle : 245.00 Distance : 19.52	no tenia botella y le falta un tornillo en el pipe

E-Kit	UB	FE	GPS	Radio	Batteries
ID : 1364	ID : 865 Type : French Soft : v0r9b4p2 Fuse : 750	ID : 5374 Type : cyclone	ID : 446700002183-20021012 Type : UB Official Offset : -0.99	ID : 1616 Type : Status : In Detector	B1 : GR02367 Date : 2007-12-20 18:32:42 B2 : GR02204 Date : 2007-12-20 18:32:42

#### Alarms

There is 1 unmasked and unresolved Alarm.

Priority	Severity	Alarm Name	PMT Id	Last Occurance
		VEMPeak	1	2010-10-05 11:00:39

#### Maintenance History

There are 2 maintenances for the LS 266

The maintenances concerning LS 266 are all closed (see Maintenance History)

Logged as berat | [Contact ?](#) | [Questions/Comments ?](#) | [My preferences](#) | [Show Time Preferences](#) | [Logout](#) | [Debug](#) | [Docs](#) | [Wiki: user shifter](#)

2. To see its location on the array map, click on the [Map position](#) link, the red cross indicates it:

NAVIGATION : OBSERVATORY | CDAS | SD | LB | FD | CLF & XLF | MONI | LINKS STATUS : ■ ■ ■ UTC: 2010-10-05 11:48:20 - GPS: 970314515

### Surface Detector

Local Station 266

Local Station ↑

☒ AlarmDefinitionName

LSId ID : 266

Name : Lina

[LS Main Page](#)

[Alarms History](#)

[Alarms Plots](#)

[Standard Plots](#)

[Maintenance History](#)

[Monitoring](#)

[Map position](#)

Current Alarms (In Time Preferences)

■ VEMPeak[1]

no Masked Alarm (In Time Preferences)

Position tank 266

Logged as berat | [Contact ?](#) | [Questions/Comments ?](#) | [My preferences](#) | [Show Time Preferences](#) | [Logout](#) | [Debug](#) | [Docs](#) | [Wiki: user shifter](#)

## 8 Third example: variances of the FD background data

1. In the FD menu in the header-line you can select directly the BG-Loop subpage for each eye (the sub-menu structure is the same for each eye).



2. In the header on the right the age in minutes of the information in the database is displayed. In case of communication problems, i.e. from Malargüe to the European-mirror, this time becomes high.

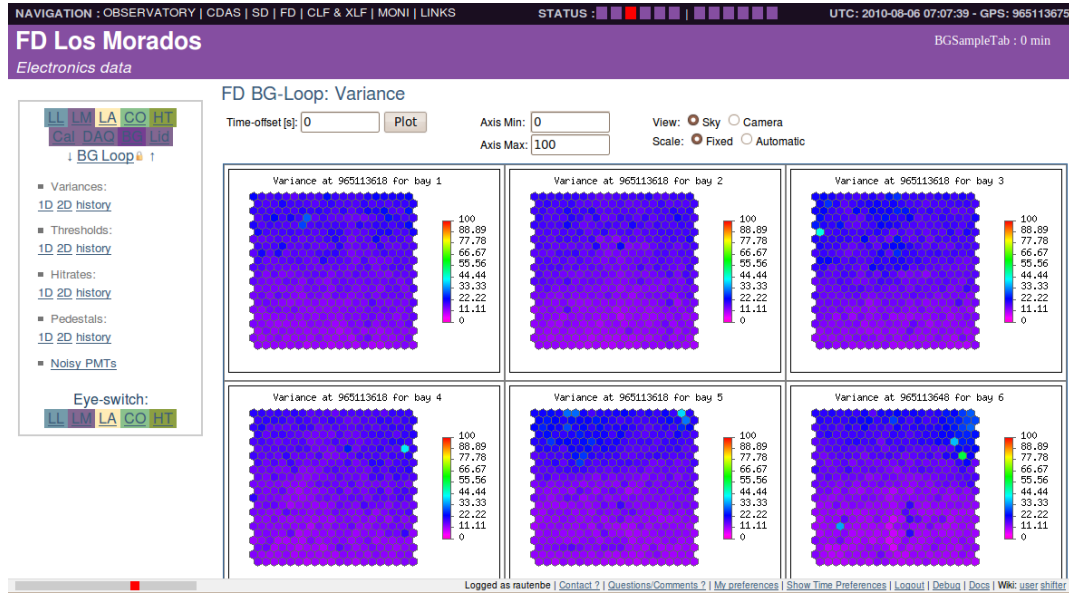
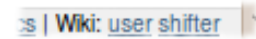
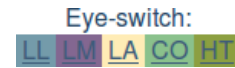


Figure 1: Example of the background data for Los Morados

3. On the left the FD navigation-box is shown, together with the eye switch, redirecting to the same sub-page of another eye.
4. In the top you can modify the plotting options, like a time with an offset to now, sky/camera view, fixed z-scale for all plots or telescope-wise variable scale.
5. For more information, e.g. on thresholds for the color schema, use the link to the wiki which is redirecting to the corresponding wiki page.



## 9 Fourth example: check FD calibration

1. In the FD menu in the header-line you can select directly the calibration and here the “Calib A” subpage for each eye, e.g.: FD→Los Morados→Cal→Calib A.

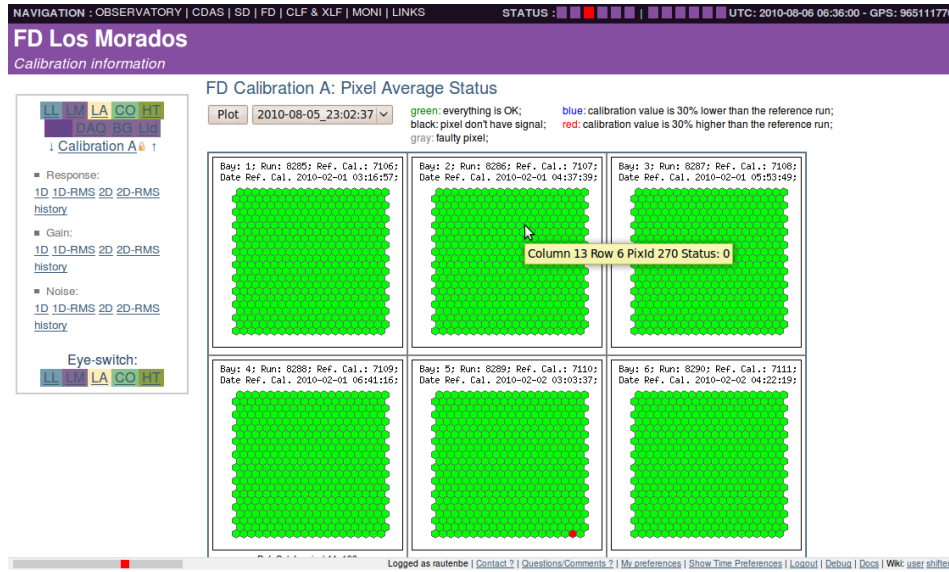
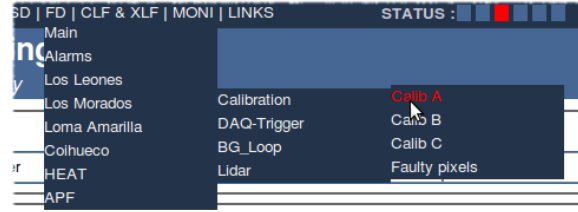
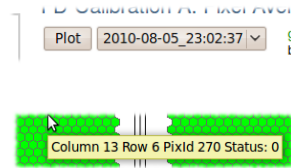


Figure 2: Example of the Calibration A for Los Morados

2. Select one of the existing calibrations using the drop-down menu on top of the page. By default the last one is shown.
3. The camera display is interactive, so moving the mouse onto one pixel gives you the corresponding information, clicking gives the history for the pixel.



## References

- [1] M. Avenier, C. Berat, C. Lachaud, F. Melot, A. Stutz *Auger Monitoring Web Site - User Guide: General layout and Surface Detector monitoring* Gap Note 2010-038