

DATA ARCHIVE



Nhlavutelo Macebele
SALT Software developer



Introduction

Why An Archive?

- As an observatory we produce lot of data.
- Most of our data remains in the storage for a very long time.
- We had to come with a plan to give out this data to anyone who can use it.
- Link
 - <https://ssda.sao.ac.za/>

Data Access Policy

- Not all data is public.
- Proprietary period depends on the partner and the type of the proposal.
- For South African proposals.
 - Data become public automatically after the 2 years.
 - PI's will have to give a strong motivation if they choose not to make data public.
- With South Africa as a big partner to SALT there is a lot of public data.
- Acknowledgement:
 - <https://astronomers.salt.ac.za/data/acknowledgements/>.

Demo time.



Searching The Data

Target name [?] Resolver [?]

Right ascension [?] Declination [?]

Search radius [?] Radius units

Target type

Galaxy ISM Solar System Body Star

Proposal code [?] Principal investigator [?]

Proposal title [?] Observation night [?]

Data category

Science Arcs Biases Flats Standard

Rejected observations

Include rejected observations

Telescope	Instruments	Mode	Detector mode	Filters
<input type="checkbox"/> All <input type="checkbox"/> SALT	<input type="checkbox"/> All <input type="checkbox"/> HRS <input type="checkbox"/> RSS <input type="checkbox"/> Salticam	<input type="checkbox"/> Fabry Perot <input type="checkbox"/> Imaging <input type="checkbox"/> MOS <input type="checkbox"/> Polarimetric Imaging <input type="checkbox"/> Spectropolarimetry <input type="checkbox"/> Spectroscopy	<input type="checkbox"/> All <input type="checkbox"/> Drift Scan <input type="checkbox"/> Frame Transfer <input type="checkbox"/> Normal <input type="checkbox"/> Shuffle <input type="checkbox"/> Slot Mode	<input type="checkbox"/> All <input type="checkbox"/> 340nm 35nm FWHM <input type="checkbox"/> 380nm 40nm FWHM <input type="checkbox"/> B <input type="checkbox"/> Cousins I <input type="checkbox"/> Cousins R

Search results

[Manage columns to display](#)[reset all](#)







< 1 ... 67 of 67 >

You may scroll horizontally and vertically within the table.



 Observation	Info	Preview	Data Category	Observation Night	Target Name	Right Ascension (deg)	Declination (deg)	Release Date
<input type="checkbox"/> <i>Select all</i>								
<input type="checkbox"/> SALT #4093		S201610260003.fits	Science	26 Oct 2016	80326	296.2357	-14.7652	1 Nov 2019
<input type="checkbox"/> SALT #4093		P201610260039.fits	Science	26 Oct 2016	80326	296.2357	-14.7652	1 Nov 2019
<input type="checkbox"/> SALT #4093		S201610260002.fits	Science	26 Oct 2016	80326	296.2357	-14.7652	1 Nov 2019
<input type="checkbox"/> SALT #4093		S201610260001.fits	Science	26 Oct 2016	80326	296.2357	-14.7652	1 Nov 2019
<input type="checkbox"/> <i>Select all</i>								
<input type="checkbox"/> SALT #3979		P201610210025.fits	Science	21 Oct 2016	80326	296.2357	-14.7652	1 Nov 2019
<input type="checkbox"/> SALT #3979		S201610210001.fits	Science	21 Oct 2016	80326	296.2357	-14.7652	1 Nov 2019
<input type="checkbox"/> <i>Select all</i>								
<input type="checkbox"/> SALT #3184		P201607140004.fits	Science	14 Jul 2016	B_1638	296.2349	-14.7700	1 Nov 2019
<input type="checkbox"/> SALT #3184		S201607140018.fits	Science	14 Jul 2016	B_1638	296.2349	-14.7700	1 Nov 2019
<input type="checkbox"/> SALT #3184		S201607140017.fits	Science	14 Jul 2016	B_1638	296.2349	-14.7700	1 Nov 2019
<input type="checkbox"/> <i>Select all</i>								
<input type="checkbox"/> SALT #3083		P201607100040.fits	Science	10 Jul 2016	B_1400	296.2314	-14.8249	1 Nov 2019
<input type="checkbox"/> SALT #3083		P201607100039.fits	Science	10 Jul 2016	B_1400	296.2314	-14.8249	1 Nov 2019
<input type="checkbox"/> SALT #3083		S201607100010.fits	Science	10 Jul 2016	B_1400	296.2314	-14.8249	1 Nov 2019
<input type="checkbox"/> <i>Select all</i>								
<input type="checkbox"/> SALT #2889		P201606280150.fits	Science	28 Jun 2016	B_695	296.2045	-14.7574	1 Nov 2019
<input type="checkbox"/> SALT #2889		S201606280064.fits	Science	28 Jun 2016	B_695	296.2045	-14.7574	1 Nov 2019
<input type="checkbox"/> SALT #2889		P201606280149.fits	Science	28 Jun 2016	B_695	296.2045	-14.7574	1 Nov 2019
<input type="checkbox"/> SALT #2889		S201606280063.fits	Science	28 Jun 2016	B_695	296.2045	-14.7574	1 Nov 2019

Data Requesting




✕

Observation	Remove	Filename	Target name
SALT #4093		S201610260003.fits	80326
		P201610260039.fits	80326
		S201610260002.fits	80326
		S201610260001.fits	80326
SALT #3979		P201610210025.fits	80326
		S201610210001.fits	80326

Include

Standards  Arcs/Flats/Biases 

Reduced data Raw data

 Download Close Clear

... Data requesting

Search


Data Requests

Hello Nhluvutelo Ebenezer 



Data Requests

Requested on 4 Aug 2020 at 17:01

Download 


Requested calibration levels: Raw

Requested calibration types: None

Files

P201207270019.fits

Requested on 4 Aug 2020 at 16:54

Download 

Requested calibration levels: Reduced

Requested calibration types: Spectrophotometric Standard, Radial Velocity Standard, Arc, Flat and Bias

Files

P201207270019.fits

Requested on 27 Jul 2020 at 10:57

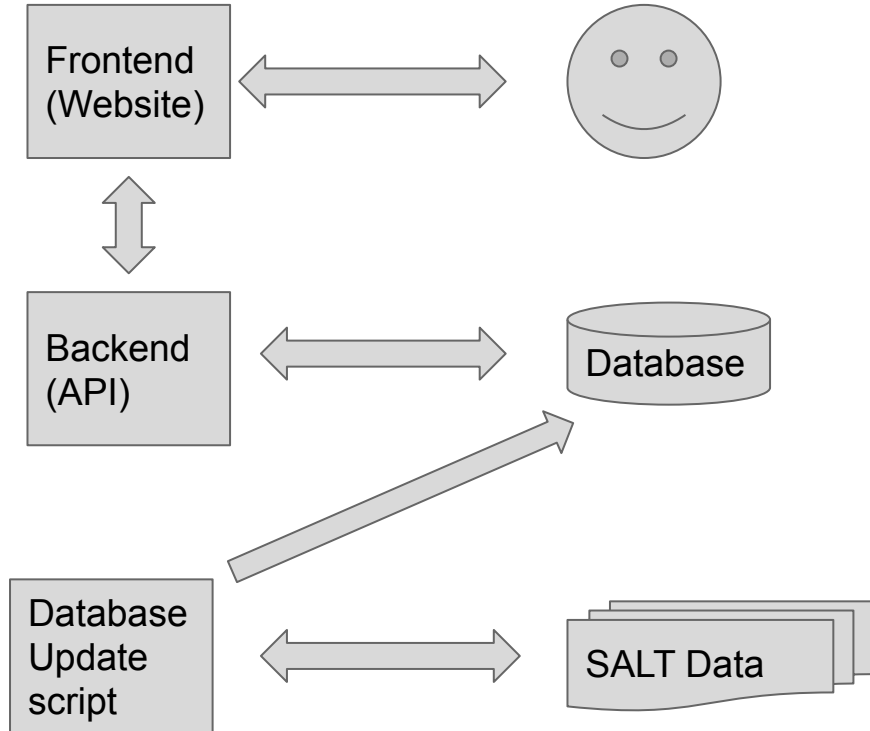
Download 

Requested calibration levels: Reduced and Raw

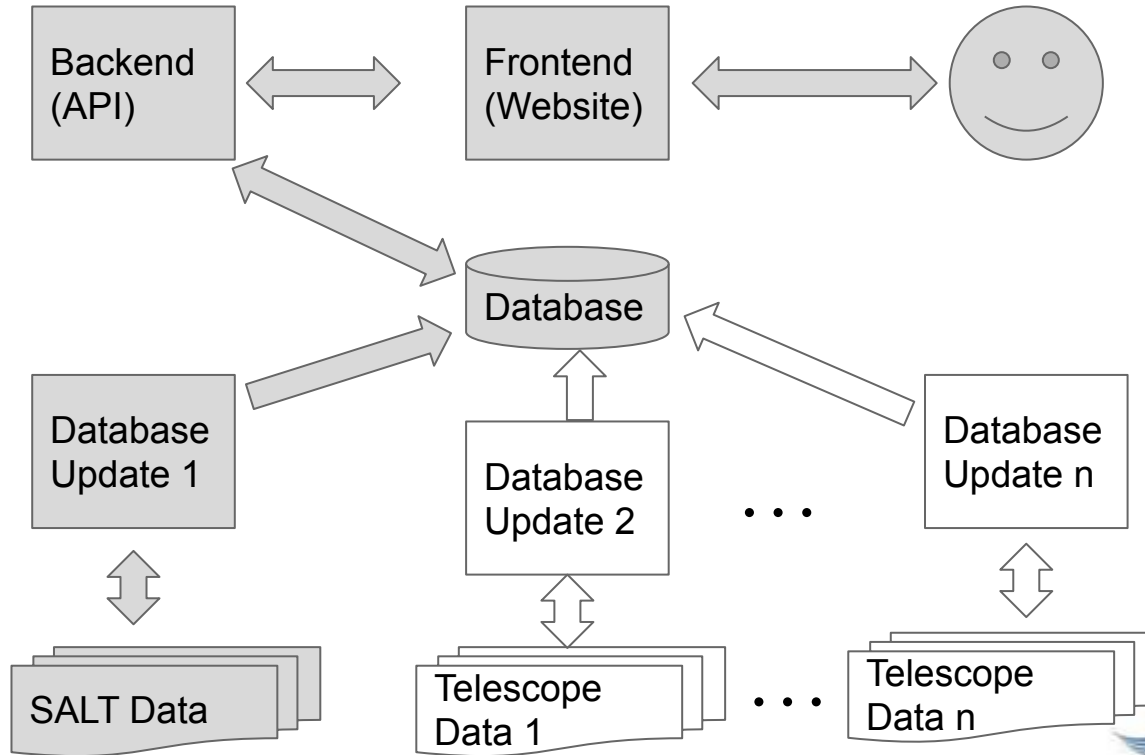
Future plans

- SSDA only contains SALT Data for now
 - Other telescopes data is not include for now
 - Other telescope data is not standardised.
 - We need to find a better way to standardise this data.
- Incorporate the SSDA with the Virtual Observatory(VO) tool.
 - It needs integration with the VO tools.

Architecture



Architecture



Thank you.



Any Questions?