

Hector ObsLog tool

Still in beta stage, please let us know if there is any issue.

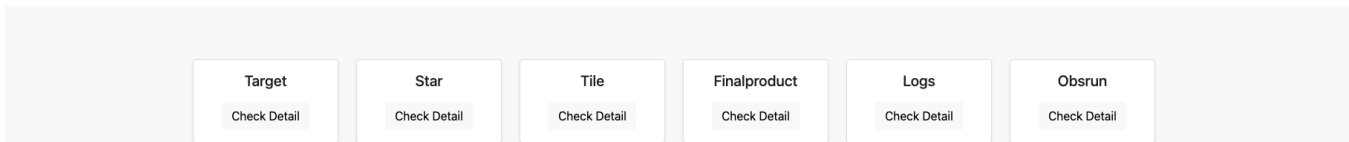
User can query, filter, add, edit list of objects including via web interface and API endpoint

- Target
- Star
- Tile
- FinalProduct
- Obs File
- Obs Log
- Obs Run

1.1 Web Interface

- User required to login via DC account and in Hector team to use this tool
- All team member in Hector will have access to all record
- User can query, filter, add, edit and download to csv file via interface for list of objects

Home page:



filter

Add new row		Save new row		Get Selected Rows		Download CSV export file		Add new Date	
Id	Galaxy ID	RA	DEC						
<input type="checkbox"/>	3	4256692764882809169	99.99	Contains	Filter...				
<input type="checkbox"/>	2	710949902109196545	99.99						
<input type="checkbox"/>	1	2365612119800198203	99.0						

1.2 API Endpoint

Generate API key and secret:

<https://obslog.datacentral.org.au/api/keys>, click generate button. Please keep your keys and secret in safe place

API in Web Interface

Generate keys and secret before using this feature. API keys and token is added into Endpoint request

Method	API Endpoint
List	Tile

Send Request

API query is: /api/tile

```
[[{"id": 1, "TileID": "T-765097170198886214-12-13-1988-10-04", "RA": "12.0", "DEC": "13.0", "DateObs": "1988-10-04", "A": "2365612119800198203", "B": "2365612119800198203", "C": "2365612119800198203", "D": "2365612119800198203", "E": "2365612119800198203", "F": "2365612119800198203", "G": "2365612119800198203", "H": "2450762830765291367", "I": "2365612119800198203", "J": "2365612119800198203", "K": "2365612119800198203", "L": "2365612119800198203", "M": "2365612119800198203", "N": "2365612119800198203", "O": "2365612119800198203", "P": "2365612119800198203", "Q": "2365612119800198203", "R": "2365612119800198203", "S": "2365612119800198203", "T": "2365612119800198203", "U": "2450762830765291367", "FieldName": "field", "QC_Pass": true, "CreatedTime": "2022-10-04 02:40:49.387967+00:00", "UpdateTime": "2022-10-04 02:40:49.387967+00:00"}]]
```

Endpoint:

- Target
- Star
- Tile
- FinalProduct
- Obs File
- Obs Log
- Obs Run

Method:

- List:GET
- Get by id:GET
- Update: PUT
- Delete: DELETE
- Add new: POST

Example of endpoint:

url: <https://obslog.datacentral.org.au/api/target>

method: POST

request headers:

request headers

token XXX(shows in key list)

secret XXX

body(json format):

```
{ "RA": "10.9", "DEC": "99.99", "g_mag": "99.9", "r_mag": "67.0", "i_mag": "15.67", "z_mag": "13.467", "y_mag": "73.0", "Mstar": "13.467", "Re": "13.467", "z": "13.467", "Mu_e_R": "13.467", "N_Obs_completed": "1", "N_Obs_remaining": "2", "FullyObserved": true, "FieldName": "Field Namek", "dates": [ "2019-04-03", "2018-04-03" ] }
```

example response:

```
{
  "id": 3,
  "newID": "4256692764882809169" # target ID
}
```

url: <https://obslog.datacentral.org.au/api/star>, header same as above, response similar to above

request body

```
{ "RA":198.09,"DEC":19.89,"g_mag":14.56,"r_mag":13.467,"i_mag":13.467,"z_mag":13.467,"y_mag":13.467,"
StandardStar":true,"GuideStar":true,"FieldName":"NewnewFieldNameneweddd" }
```

url: <https://obslog.datacentral.org.au/api/tile>

request body

```
# 5667018483021435000 is target ID
{ "RA": "19.99", "DEC": "13.46", "DateObs": "2019-04-03", "A": "4256692764882809169", "B": "4256692764882809169", "C": "4256692764882809169", "D": "4256692764882809169", "E": "4256692764882809169", "F": "4256692764882809169", "G": "4256692764882809169", "H": "4256692764882809169", "I": "4256692764882809169", "J": "4256692764882809169", "K": "4256692764882809169", "L": null, "M": null, "N": null, "O": null, "P": null, "Q": null, "R": null, "S": null, "T": null, "U": null, "
FieldName": "field Name", "QC_Pass": true }
```

example response

```
{
  "id": 2,
  "newID": "T-2924079267275798511-19.99-13.46-2019-04-03" # Tile ID
}
```

url: <https://obslog.datacentral.org.au/api/finalproduct/>

request body

```
# T-2924079267275798511-19.99-13.46-2019-04-03 is Tile ID
{ "RA": "19.9", "DEC": "13.467", "Mstar": "19.99", "Re": "13.467", "z": "13.467", "Filename": "newnew.txt", "N_frames": "13", "
QC_Pass": true, "FieldName": "field Name", "Tile": [ "T-2924079267275798511-19.99-13.46-2019-04-03" ] }
```

url: <https://obslog.datacentral.org.au/api/finalproduct/>

request body

```
# T-2924079267275798511-19.99-13.46-2019-04-03 is Tile ID
{ "RA": "19.9", "DEC": "13.467", "Mstar": "19.99", "Re": "13.467", "z": "13.467", "Filename": "newnew.txt", "N_frames": "13", "
QC_Pass": true, "FieldName": "field Name", "Tile": [ "T-2924079267275798511-19.99-13.46-2019-04-03" ] }
```

url: <https://obslog.datacentral.org.au/api/obsfile>

request body

```
# T-2924079267275798511-19.99-13.46-2019-04-03 is Tile ID
{ "Date": "2019-04-03", "TileID": "T-2924079267275798511-19.99-13.46-2019-04-03", "FileType": "Bias", "
AAOmega_ExposureTime": "9", "SpectorBlue_ExposureTime": "17", "SpectorRed_ExposureTime": "19", "AAO_ReadoutSpeed": "
Fast", "Spector_ReadoutSpeed": "Fast", "ZenithDistance": "1.1", "Seeing_Estimate": "1.3", "Offset_NS": "12.5", "
Offset_EW": "17.0", "Rel_or_Abs": "Real", "Ignore": true, "Comments": "Commentssd", "Tile": "T-2924079267275798511-19.99-
13.46-2019-04-03", "Observers": [ "ksheng" ] }
```

example response

```
{
  "id": 2,
  "newID": 4294869519607404171 #obsfile ID
}
```

url:<https://obslog.datacentral.org.au/api/logs>

request body

```
# T-2924079267275798511-19.99-13.46-2019-04-03 is Tile ID
# F637306867291141693 is obsfile ID
# 2019-03-02 is unique and could be query by date
{"Date":"2019-03-02","Weather":"Clear!","Program":"Hector Program","Tiles":["T-2924079267275798511-19.99-13.46-2019-04-03"],"Observers":["ksheng"],"ObsFile":"F637306867291141693"}
```

url:<https://obslog.datacentral.org.au/api/obsrun>

request body

```
# T-2924079267275798511-19.99-13.46-2019-04-03 is Tile ID
{"RunStart":"2020-04-02","RunEnd":"2019-04-05","N_Nights":"3","Tiles":["T-2924079267275798511-19.99-13.46-2019-04-03"],"Observers":["ksheng"]}
```