



## Las Cumbres Observatory

# Science Archive API and Authentication Changes

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We have recently made some breaking **API** and **authentication** changes to [LCO's Science Archive](#) that may require changes to your scripts or login behavior. The changes are detailed in the [developer docs](#), but we will go through them below as well.

### API Changes:

1. The names of fields in the response returned by a query to <https://archive-api.lco.global/frames/> have been changed to more generic values. New names are detailed [here](#).
2. The names of filters used in a query to [https://archive-api.lco.global/frames/?my\\_filter=value](https://archive-api.lco.global/frames/?my_filter=value) have been updated as well. New filters are detailed [here](#).
3. The names of filters used in a query to [https://archive-api.lco.global/frames/aggregate/?my\\_filter=value](https://archive-api.lco.global/frames/aggregate/?my_filter=value) have been updated as well. New filters are detailed [here](#).

### Authentication Changes:

- The Science Archive has been updated to use the same user account and api\_token as your corresponding Observation Portal user account. The new authentication method is detailed [here](#), but basically you will want to switch all scripts that access the science archive to use your Observation Portal api\_token, which is available either on the Profile page in the UI, or via the `/api/profile` endpoint response under tokens->api\_token.
- You will also want to ensure you only use your Observation Portal user account username/password when logging into the Science Archive (<https://archive.lco.global>). Your user account's email will no longer be a valid login option for the Science Archive.
- Bearer token authentication will also be removed, so any scripts currently authenticating with a Bearer token (i.e. HTTP header of {'Authentication': 'Bearer <my-bearer-token>'}), should be switched to using the api token instead.

The previous API and authentication methods are deprecated but will continue to function until the end of this current observing semester **on 8/1/2022**. Please switch all of your scripts to use the new API and new authentication token by that date. If you encounter any issues or believe you will not be able to update your scripts by that date, please let us know ([science-support@lco.global](mailto:science-support@lco.global)), and we will be happy to answer questions or assist in any way we can.