

Virgo Data Quality Report FAQ

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How to solve the error 'getffl.exe: command not found'?

Compile the package to produce that executable!

```
cd <VirgoDQR path>/cmt  
make
```

How to generate a fake event and have the DQR trigger on it?

```
cd <VirgoDQR path>/lvalert  
./creation_event.sh <your favourite gps time>
```

In order for this to work, you need to have a valid [grid certificate](#).

The output of the script should be a `<fake gracedb id>`. The event is created in gracedb-playground: you can retrieve it using the link <https://gracedb-playground.ligo.org/events/<fake gracedb id>/view/>. In particular you should see that a superevent has been generated (by GWcelery within GraceDB) and is associated to your fake event. Then, **assuming there is a lvalert_virgo listener pointing to gracedb-playground that is running in Cascina**, it should be triggered by the superevent and starts a DQR.

Why can the number of checks vary from one DQR to another?

The number of checks may change between different versions of the VirgoDQR package as new checks can be added -- checks could also be removed in principle, but that has not happened so far.

Most checks require input data. If data needed by one check are not found, that check is ignored and not included in the list of checks that will be run by the Condor DAG generated at the first step of the DQR.

This can happen in particular when LIGO online frames are missing (for whatever reason): in that case the high-resolution h(t) Omicron scans are ignored: the DAG runs two checks less than the nominal count.

(...)

Generate high-resolution h(t) omicron scan (H1)

ERROR: missing H1 data

TIME to setup check omicronscanhoffH1 = .076213922 s

Generate high-resolution h(t) omicron scan (L1)

ERROR: missing L1 data

TIME to setup check omicronscanhoffL1 = .077935975 s

(...)

This should not happen during ER14/O3 when we have real triggers from the network.

How to know that / check whether there is a new DQR?

- You should have [notifications enabled from the GraceDB production instance](#).
- DQR announcements are posted on the [!DetChar mailing list](#) => consider subscribing to it if you haven't already
- Check the latest events in the relevant web-browsable directories
 - [ER14](#)
 - [O3](#)

-- Main.Narnaud - 28 Feb 2019

This topic: DetChar > DetCharDQRFAQ

Topic revision: