

Preliminary documentation: *wait()*

Detector Command Parameters

Additional function wait() – experimental in EIGER FW 1.6.3

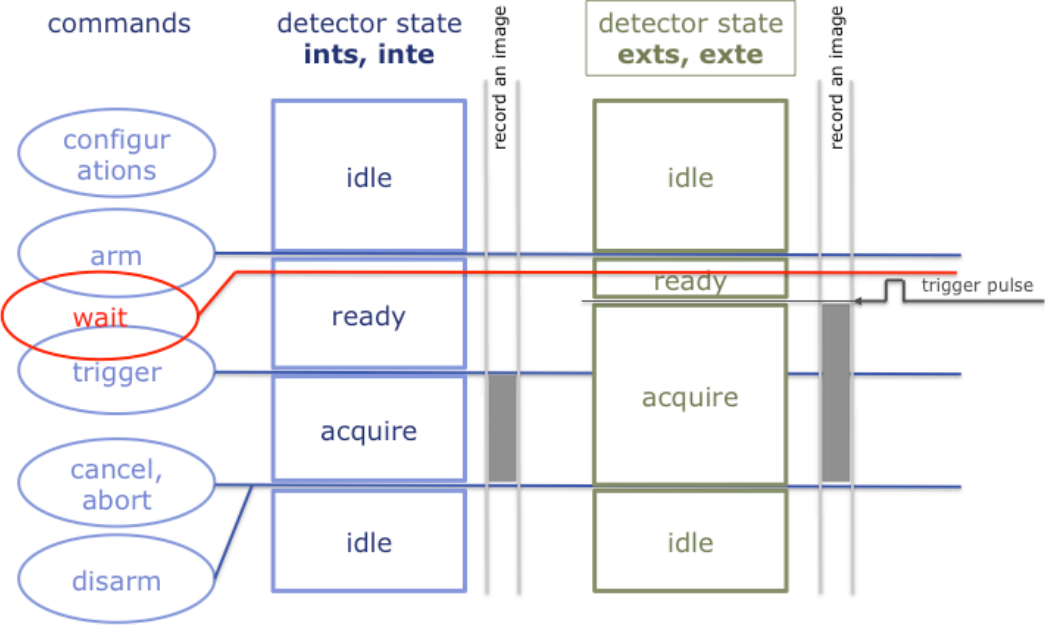
The wait command provides two functionalities. First, it is an optional blocking command in external trigger modes, returning after all images of a series are finished. Second, it provides the possibility to read updated status values in external trigger modes. They will be updated as soon as the wait command is started.

The wait command is write only.

http://<IP_of_DCU>/detector/api/<version>/command/wait

- The detector status is "idle" when detector is unarmed. After **arm()** the detector status changes to "ready".
- The **wait()** command can be executed after the **arm()** command. **wait()** will update detector status during exte/exts trigger mode ("ready" when detector is NOT acquiring images, "acquire" when detector IS acquiring images) **wait()** will return on detector status "idle". Now all images of a series were acquired and a new series can be armed.
- Important: Status updates are only done if **wait()** is issued. If no wait is issued during exte/exts no status update takes places. **wait()** can be issued at any time after **arm()** until series is finished. If detector is "idle" **wait()** will immediately return.
- wait() always returns -1

Behavior arm command – FW 1.6.3 (possibility 1)



Behavior arm command – FW 1.6.3 (possibility 2)

