

# WALLABY Data Policy

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Version	Date	Description	Edits
0.2	20 Feb 2020	Initial draft	LSS

## 1. ASKAP data policy

Data from ASKAP is notionally delivered to WALLABY in the form of a fully-reduced spectral-line data cube (a so-called Level 5 data product). The WALLABY quality control team checks data quality and marks it as suitable for release, or re-observation. If suitable for release, the validated data is released on CASDA (the ASKAP data portal) as a Level 6 data product, together with a preliminary source catalogue from *Sélavy*. At this point, the data becomes publicly accessible. During the main survey, the gap between observation and release is expected to be short (a matter of days or weeks).

## 2. WALLABY data products

The image cubes delivered by CASDA will be large (almost 1 TB for a single WALLABY observation), and may be difficult to handle for an individual user (although cutouts of small regions will be possible). The WALLABY team therefore expects to be able to deliver a number of science-ready value-added (Level 7) data products to members, including:

- A galaxy catalogue derived from SoFiA with official WALLABY source names for all detections
- Cubelets and moment maps for all SoFiA detections
- Spectral profile parameters
- Rotation curves and kinematic data for selected galaxies

These will be made available through a database which will be improved and updated from time to time. Depending on resources, other data products may also be made available, including:

- Ancillary optical/IR redshift and imaging data
- VHS and SkyMapper optical cutouts
- Radio continuum images
- Stacked spectra

These data products will be delivered by regular internal data releases to the WALLABY team, with only occasional public releases (e.g. after publication). WALLABY team members will also have access to the combined knowledge about the technical characteristics of the data from internal documentation, from Technical and Science Working Groups, and from other team members.

## 3. Rights and responsibilities

Members may access WALLABY pre-release (Level 5) data, validated (Level 6) data and enhanced (Level 7) data products. Their analysis must be restricted to science projects for which approval has already been granted (see *WALLABY Membership Policy*). In order to avoid overlaps, new projects that arise from a perusal of incoming data, and publication of that data, must follow the *WALLABY Publication Policy*.

WALLABY data may not be passed on to a third party for a project that is not the basis of an accepted WALLABY proposal. Exceptions may be made for projects for which the role of the WALLABY data is minor (see *WALLABY Publication Policy*).

## 4. References

- ATNF Data Policies, [https://www.atnf.csiro.au/observers/data/data\\_policies.html](https://www.atnf.csiro.au/observers/data/data_policies.html)