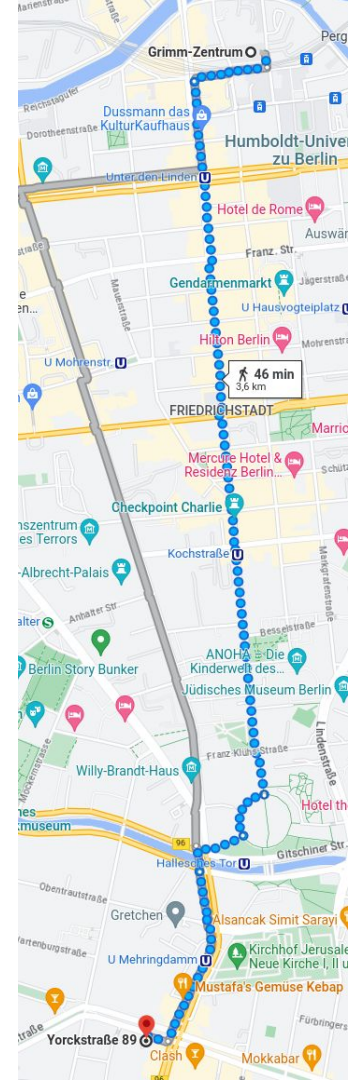


Dinner

Dinner Thu 11th:

- @ Kreuzberger Himmel - **Yorckstrasse 89**
- 45-60 min walk (see map).
- Subway U6 from Friedrichstrasse -> Mehringdamm



A ZTF “complete” transient legacy sample

Consistent, cadenced wide-field photometry a gold mine for transient studies. A potential reference for *any* transient study.

What would this require?

Must be easy to use, flexible, complete and with high quality data.

[By construction, most transients fainter than standard BTS range.]

A ZTF “complete” transient legacy sample

Requirements:

- ... access to calibrated data.
- ... get classification (spectroscopic or photometric).
- ... find out what was done to get the data.

A ZTF “complete” transient legacy sample

Requirements:

... access to calibrated data.

- access.
- calibration at “future” precision at faint end.

... get classification (spectroscopic or photometric).

- BTS at bright end.
- Need verified photometric labels at fainter end.

... find out what was done to get the data.

- Recreate selection and follow-up process.
- [If none were done, explain why.]

A ZTF “complete” transient legacy sample

Requirements:

Not (mainly) a question of long term funding.

... access to calibrated data.

- access.
- calibration at “future” precision at faint end.

... get classification (spectroscopic or photometric).

- BTS at bright end.
- Need verified photometric labels at fainter end.

Observation
needed now

... find out what was done to get the data.

- Recreate selection and follow-up process.
- [If none were done, explain why.]

Concept
development - how
is this done?

What is needed for “legacy”

Some topics:

- Long term data storage
- Flexible archive parsing
- Analysis provenance and reproduction
- Classification (spectroscopic, photometric)
- How to know who did what, when, what afterwards?
- New observations needed to complement existing data
- Legacy science results (missing)
- Long term visibility
- Documentations
- Referencing different photometry versions
- Referencing evolving characterization/classification of transients.

Random Number Generator

0.	1.	2.	4.	7.
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Join your group!

0.

1.

2.



4.

7.

What is needed for “legacy”?

This is a vague and hard question!

Mix of people a good thing.

Try to think of concrete requirements and todo items.

Easier to find resources with specific legacy science in mind (not only a data dump).

Tomorrow morning we will ask each group to present **action items**.