WSA Status and Plans

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Future Releases

- UKIDSS DR10

- UKIDSS Final Data Release

- UHS

UKIDSS DR10

- Will include all data up to the end of semester 11B

- Include WISE final release in X-match tables

- No significant differences from previous releases.

UKIDSS Final Data Release

- Will include all remaining UKIDSS data – filling in as many holes as possible

- Put all the improvements (or as many as possible given limited staff resources **~1 FTE**) that we have meant to include.

- **Timescale** – depends on what we do (see below)

- We would like to know **YOUR PRIORITIES**.

Final Data Release

- Improvements
  - Reset GPS saturation flags and use same formula as in VISTA once avSaturLevel fields set
  - Replace all GPS catalogues with new ones from CASU. Existing ones have already been updated in mid 2011 for ZP changes. There will be small changes to the classification and aperture corrections
  - Replace all data with CASU v4 reprocessed data
  - Fix illumination correction bug for data from (08A-10A)
  - Optimise minimal positional measurement error in PM calculation
  - Optimise QB flag settings, e.g. X-talk boundary flags
  - Revise and expand the list of X-match tables
  - Remove schema attributes never used (PSF, Sersic)
  - Proper motions in deep programmes

Final Data Release

- Interface improvements

  - MyDB type interface

  - Improved visualisation of extremely large datasets

  - Better Unified Content Descriptors which will allow improved access to VO tools.

Final Data Release

- New Features (possible):
  - DEEP LAS J stacks
  - WFAU half-light radii attributes (seeing corrected semi-major axis) which are in VSA/ OSA.
  - List driven photometry (not PSF corrected)
  - Possibly have single WFCAM programme or combine similar or compatible programmes
  - PSF photometry (if provided by CASU)

UKIRT Hemisphere Survey

- Include J & K from UKIDSS LAS, GCS & GPS.
- Schema based on new design outlined in Cross et al. 2009, MNRAS, 399, 1730
  - Source table includes deepest data to date in J, K
  - Links to all epochs through BestMatch table.
  - More flexible than J1, J2 …, K1, K2 …., new epochs automatically added in.
  - Similar to VISTA VIKING
- Timescale for 1st release and subsequent ones?
- UKIRT closure – J only, few releases?

WSA usage

- ~130 citations to WSA paper Hambly et al. (2008)

Database	Queries	Rows exported
UKIDSSEDRPLUS	5331	499490414
UKIDSSDR1PLUS	11673	2162061835
UKIDSSDR2PLUS	83657	2133876239
UKIDSSDR3PLUS	571037	4232570453
UKIDSSDR4PLUS	130028	5041680288
UKIDSSDR5PLUS	18775	5044704468
UKIDSSDR6PLUS	232809	6487458250
UKIDSSDR7PLUS	125442	7901692494
UKIDSSDR8PLUS	104763	4304801500
UKIDSSDR9PLUS	18755	922760109