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.

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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 \( \sim 1 \) FTE) that we have meant to include.
• **Timescale** – depends on what we do (see below)
• We would like to know **YOUR PRIORITIES.**

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• 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.
  – 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)

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