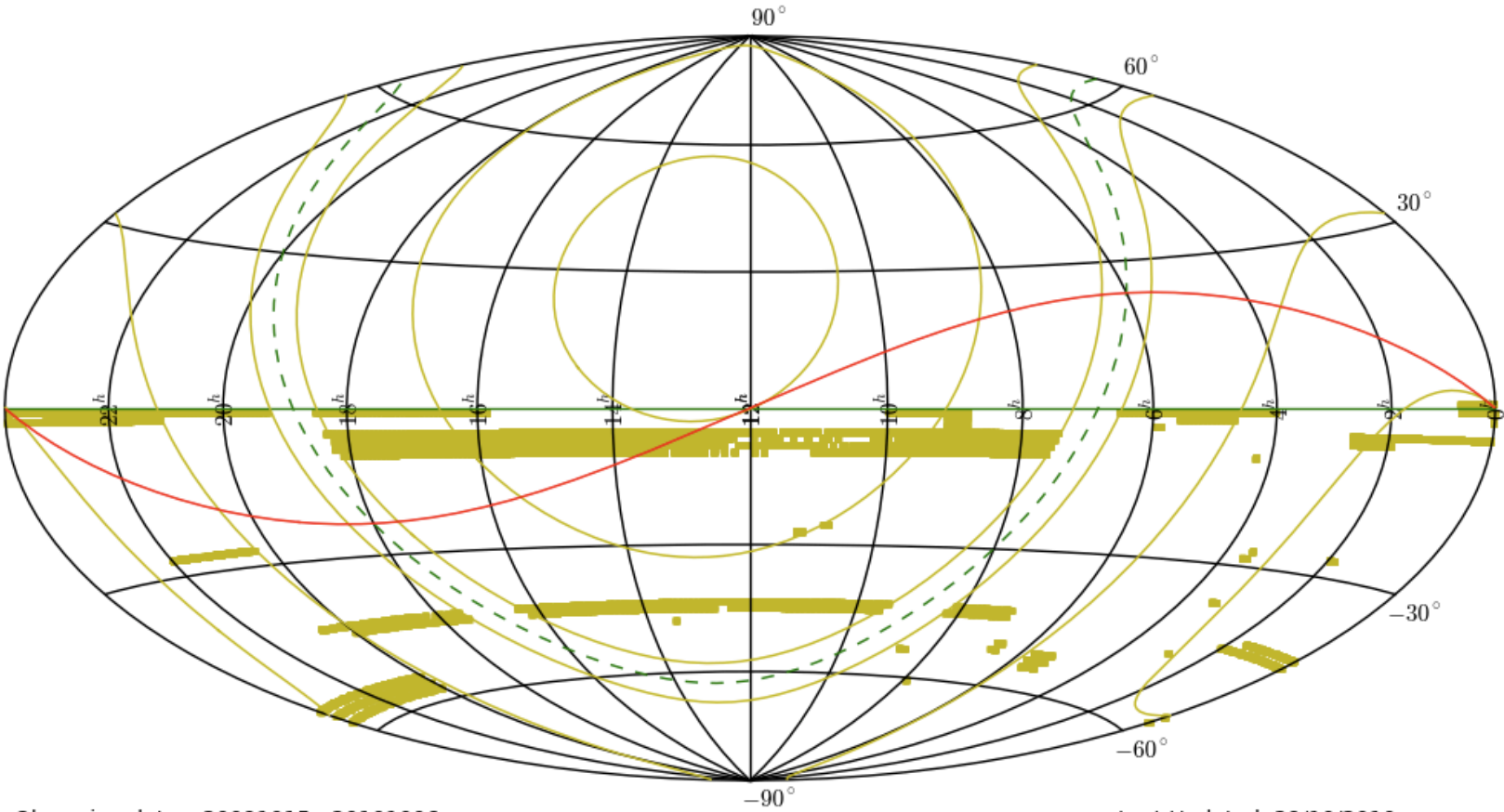


VISTA Hemisphere Survey(VHS) Phase 3

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Current VHS coverage (upto 2010-10-06)



Observing dates: 20091015 - 20101006
Cambridge Astronomy Survey Unit

Last Updated: 29/10/2010

Proposed Deliverables

- QC Report and QC FITs format table
 - QC tables contains metadata and computed parameters harvested from headers of images and catalogues
- Level 1a
 - FITS images
 - Pawprint stacks from dithered Pawprints for each tile
 - Confidence maps for Pawprint stack
 - FITS catalogues
 - Photometrically and astrometrically calibrated Pawprint catalogues
- Level 1b
 - FITS catalogues
 - Band-merged aperture matched catalogues derived from Level 1a catalogues

Level 2 products

- Level 2a
 - Images: FITS format
 - mosaiced single tiles
 - confidence maps for above
 - Catalogues: FITS format
 - Photometrically and astrometrically calibrated catalogues
- Level 2b
 - Catalogues: FITS format
 - Bandmerged aperture matched catalogues derived from Level 2a catalogues

Level 3

- Reprocessed
- Updated calibration
- Resolved (cf SDSS) catalogues

Status and Issues

- See also OPC report

Issues:

- Median J band depth 0.2-0.3 mag shallower; tail in seeing and sky brightness
 - Current analysis includes 'failed' OBs

SMP changes

- All bands per tile in a single OB; SMP had 1 filter per OB

Phase 3

- Releases will be quantised per month
 - What happens for OBs that are repeated in different months
- Dry run pawprint products are ready
- Tile products have issues due to seeing variations within OB