

# iDR5

- Data to December 2015 – pipelines delivered iDR data in 3 months
- Processing: March 2016 to October 2017
- (WG11 still not complete, hence WG15 not final)
- too long, too many poor node results, too little node/WG QC
- WG15 needed to take over for many issues that should have been solved at the WG level
- We did QC round first – Complete now.
- **Take time to understand issues → Faster, better, cheaper!**

# iDR5

- Pipeline issues:
  - Radial velocities: known offsets (rediscovered TZ) [ApJ 811:62 2015]
  - Rotational velocities: vsini correction of R. Jackson + A. Frasca for iDR5 Giraffe H15n (not available in WG15 file; use OACt node results)
  - Other outstanding technical issues identified during QC Phase (no response or fix delayed to iDR6): collated and followed up with reduction team, e.g. CNAME discrepancies.
  - RVs in strong sky emission regions- are viable (or do at node/WG level).
- WG14 dictionary upgraded: new flags being used (successfully?) by nodes
- what are all these flags for? Need minimal set for public. How do we use the information for iDR6?
- FFFT: any columns proposed to be added/removed for iDR6? Any columns being used incorrectly?
- File submission / GRR - happy?
- Delays: QC phase, extra samples, WG and node restructuring?

# perspective on iDR6

- Timescale: **TBD** but March 2018 to December 2018 would be desirable →  
Cambridge team funded to support the Survey; Arcetri team mostly composed by permanent staff, but other projects also starting; many others voluntary
- Minimise delay, realistic timetables: planning
- prevent many poor node results, better node/WG QC
- Gaia DR2: can your pipelines use a (loose/precise) prior on  $\log g$ ?
- Survey overview papers to be completed + WG4, WG10, WG15

# heroic iDR5 → smooth well understood iDR6



- **Identify/ solve** the problems that caused significant **delays**
- more detailed/thorough **QC at all levels + responsibilities understood**
- understand and **solve** the causes for [Fe/H]/el. vs parameter **trends**
- **further improve on precision (UVES) some clusters/elements**
- **improve on accuracy and solar abundances**
- further improve on **lithium**
- **error** standardization/definition/documentation
- vsini, (vrad?) still issues to be solved??

## heroic iDR5 → smooth well understood iDR6

- QC phase: needed? iDR5 QC should have flagged every known problem – those which can be fixed have been fixed. Live with the rest – it's a survey.
- Could do QC pass on the new data (2016/17/18 data)?
- Then have a WG meeting to present node QC results?
- See how well you are doing!
- We are not reprocessing just for fun – you should be improving your performance, the spectra are not changing much
- ARCHIVE: too much poor data. Archive data needs a GES case to support, and strict QC limits – we are not a reduction pipeline: we will reject all poor archive data and all not survey-critical. Justify your case now.

# heroic iDR5 → smooth well understood iDR6



- Schedule and workflow summary

- Any known personnel changes for iDR6? (Cambridge + ...)
  - No changes in WG structure, dataflow, and responsibilities: NODES:WGs:WG15
  - Timeline for last observations and iDR6 preparation (incorporating fixes to reduction pipelines) and data reduction.
  - iDR6 kick-off meeting?
  - Schedule for iDR6 - QC Phase?
- Last observing run - 27 Jan 2018
  - iDR6 data reduction – mostly done, incl iDR5 QC corrections where possible:
  - Data released to nodes - 1 April?
  - Fast/realistic schedule: Parameters due ? Slow over summer?
  - PI Telecons? Schedule slip? QC?
  - involvement of the Gaia-ESO consortium at large in doing science
  - visibility of Gaia-ESO outside the consortium