

2017 ESO Calibration Workshop

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Welcome to the





2007 Calibration Workshop

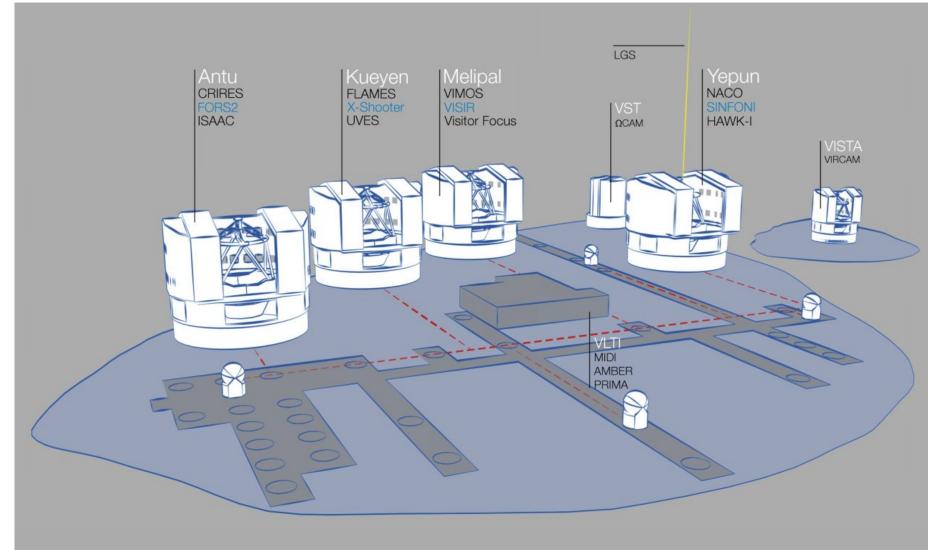
Goals

- foster the sharing of information, experience and techniques between observers, instrument developers and instrument operation teams
- review the actual precision and limitations of the applied instrument calibration plans, and
- collect the current and future requirements by the ESO users



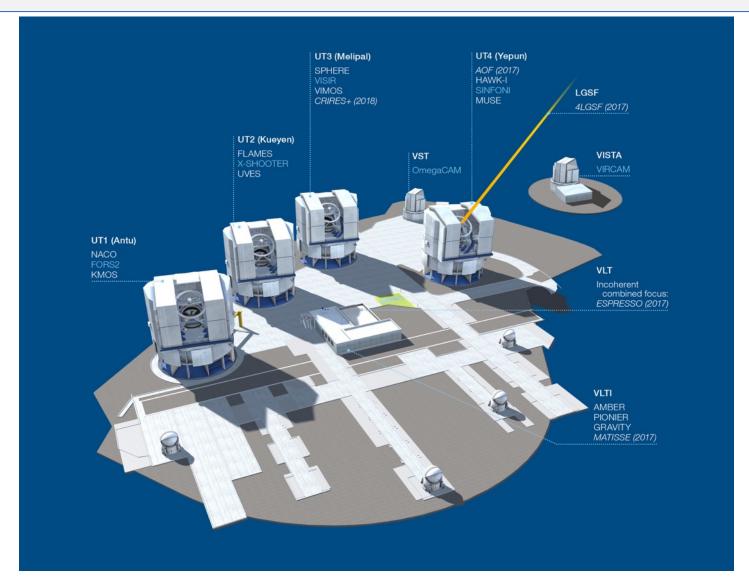


2007: VLT 1st Gen Instruments





2017: VLT 2nd Gen Instruments





Today's VLT instruments

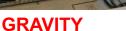
16 instruments in operations, Gravity@VLTI under Commissioning













FLAMES







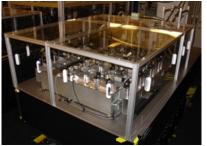


VISIR



NACO









HAWKI PIONIER

CRIRES
Being upgraded

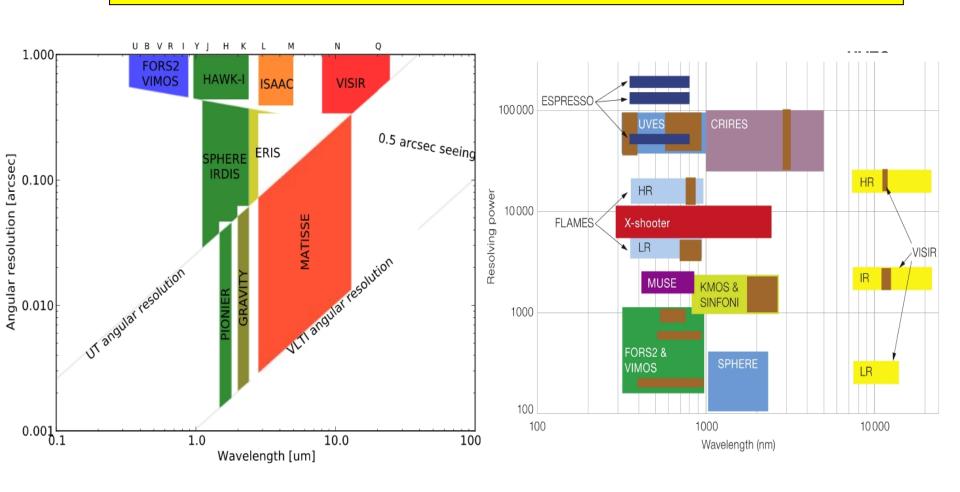
VIRCAM + OMEGACAM

XSHOOTER



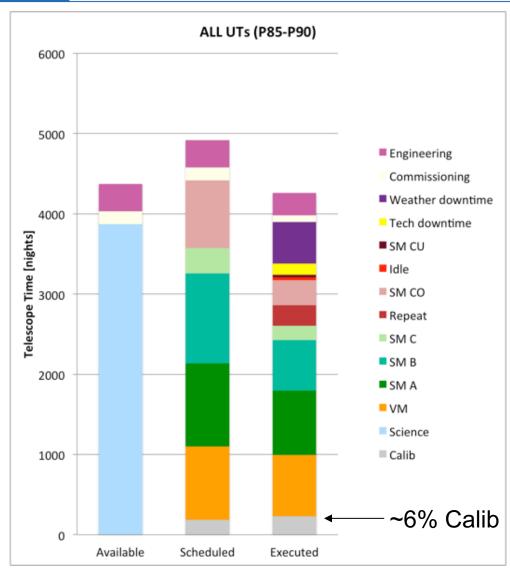
Today's VLT instruments

Parameter space in angular and spectroscopic resolution





Nighttime Calibration Times



	P97	P95
AMBER	2.9%	
FLAMES	4.0%	1.1%
FORS2	7.4%	6.4%
HAWKI	20.4%	12.4%
KMOS	26.9%	18.6%
MUSE	4.4%	4.1%
NACO	6.4%	2.3%
PIONIER	2.3%	
SINFONI	18.9%	12.5%
SPHERE	4.3%	6.1%
UVES	2.9%	4.1%
VIMOS	19.0%	17.2%
VISIR	37.0%	29.2%
XSHOOTER	11.4%	11.0%

2017 Calibration Workshop, Santiago, January 16-19



2017 ESO Calibration Workshop

Intends to

- bring together astronomers and instrument scientists from various fields of expertise to share their experience,
- ➤ foster collaboration between ground-based observatories in Chile and to learn from each other,
- engage in open discussion,
- challenge current limitations,
- try to develop creative concepts for better calibration in the future, and
- cover
 - all calibration aspects that are relevant to the user community or science operations for ESO's Paranal (VLT) and La Silla sites,
 - the progress made in characterizing the properties of the atmosphere that allow science operations to make the best use of the current conditions,
 - the progress made in data reduction and pipeline tools.



