

High Camp

Measurement	Value	Citation	Range	Mechanism	Λ CDM?	Notes
Riess SNIa	73.24 ± 1.74	[1]	$0.01 < z < 0.15$	Local Ladder; SNIa	No	Blinded analysis
Bonvin GL	$71.9^{+2.4}_{-3.0}$	[2]	$z_d = 0.4546, z_s = 1.693$	Gravitational lensing time delays	Yes	Indep of distance ladder
Suyu GL	$78.7^{+4.3}_{-4.5}$ ¹	[3]	$z_d = 0.295, z_s = 0.658$	Gravitational lensing time delays	yes	also indep. of distance ladder
Sorce TF	75.2 ± 3.0	[4]	$0.03 < z < 0.5?$	Tully-Fisher Relation	No?	Probably distance ladder dep.
LIGO	$70^{+12.0}_{-8.0}$	[8]	$z=0.0104$	Gravity waves	No	distance ladder indep, but needs GR

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Planck 2016	66.98 ± 0.62	[5]	CMB	CMB	Yes	
BAO	67.3 ± 1.1	[6]	$0.106 < z < 2.36$	Baryon Acoustic Osc.	Unclear	seems to combine CMB, BAO and SNIa data?
TRGB	63.7 ± 2.3	[7]	$0.0111 < z < 0.0752$	I am no longer sure	Probably no?	Unclear if this depends on distance ladder.

References

- [1] A. G. Riess et al., *Astrophys. J* 826 (2016) 56 <https://arxiv.org/abs/1604.01424>
- [2] <http://dx.doi.org/10.1093/mnras/stw3006>
- [3] <http://iopscience.iop.org/article/10.1088/0004-637X/766/2/70/meta>
- [4] <http://iopscience.iop.org/article/10.1088/2041-8205/758/1/L12/meta>
- [5] [dx.doi.org/10.1051/0004-6361/201628890](https://arxiv.org/abs/1411.1074)
- [6] <https://arxiv.org/abs/1411.1074>
- [7] [arXiv:1208.5054](https://arxiv.org/abs/1208.5054)
- [8] <https://arxiv.org/pdf/1710.05835.pdf>