

The 2026 H_0 Landscape: Every Reported Value in the Audited Reference Base (GG predictions on top; the CMB combination as guide)

GG PREDICTIONS

GG derived (densities / derived fractions) 66.60 ± 0.20
GG Route I (geometry alone) 66.80 ± 0.20
GG background + Local-Hole lift 68.50 ± 0.60

EARLY / SOUND-HORIZON ROUTE

SPT-3G D1 alone 66.66 ± 0.60
CMB combined SPT+ACT+Planck (H_{ref}) 67.24 ± 0.35
Planck 2018 TT,TE,EE+lowE+lensing 67.40 ± 0.50
P-ACT + lensing + DESI DR1 68.22 ± 0.36
ACT DR6 lensing + BAO 68.30 ± 1.10
DESI DR2 BAO + BBN 68.50 ± 0.60 [in-paper]

SOUND-HORIZON-FREE

DESI r_s -free, DESY5 SNe $66.70 +1.70/-1.90$
DESI r_s -free, Pantheon+ $67.90 +1.90/-2.10$
 r_s -agnostic BAO+lensing+3x2pt 70.00 ± 1.70
EFTofLSS P+B r_s -free $70.20 +2.20/-2.40$

DISTANCE LADDER (Cepheid / TRGB / JAGB / Mira)

H0DN / LDN consensus 73.50 ± 0.81
SH0ES full HST set 73.20 ± 0.90
Ladder covariance combo 73.30 ± 0.92
Perfect-Host JWST Cepheids 73.49 ± 0.93
SH0ES joint JWST 3-method 72.60 ± 2.00
CATS standardized TRGB+SNIa 73.22 ± 2.06
SH0ES N4258-only anchor 72.00 ± 1.90
Miras of M101 72.37 ± 2.97
Cluster-Mira anchor 73.06 ± 2.67
CCHP TRGB, published 70.39 ± 1.94
CCHP JWST-only TRGB 68.81 ± 2.23 [stat+sys]
CCHP JWST JAGB 67.80 ± 2.72 [stat+sys]

LADDER RE-ANALYSES (dust / statistics)

Consistent calibrator dust 70.50 ± 1.00
Two-population SNe, baseline 70.59 ± 1.15
Two-population, conservative 71.45 ± 1.03
Blue (dust-free) SNe Ia 70.00 ± 2.10
Physically-motivated priors 70.60 ± 1.00 [rebutted: 2603.09880]

ONE-STEP GEOMETRIC PROBES

Megamasers, MCP 73.90 ± 3.00
SNe II EPM, no rungs 74.90 ± 1.90 [stat only]
TRGB-SBF via N4258 73.80 ± 2.40 [stat+sys]
TDCOSMO 2025 lensing $71.60 +3.90/-3.30$
DESI FP + Coma 76.50 ± 2.20
Tully-Fisher CF4 73.30 ± 4.10 [stat+sys]
Gamma-ray attenuation $61.90 +2.90/-2.40$

GRAVITATIONAL-WAVE SIRENS

GW170817 bright siren $70.00 +12.00/-8.00$
GWTC-4.0 + GW170817 $76.60 +13.00/-9.50$
GWTC-5.0 + GW170817 $71.00 +9.00/-7.10$
O4a dark sirens + GW170817 $69.90 +4.10/-4.00$
AGN-flare BBH sirens $70.50 +3.40/-2.90$ [unconfirmed]

FAST RADIO BURSTS

108 localized FRBs $69.40 +2.14/-1.97$
527 CHIME FRBs, nonlocalized 68.81 ± 0.68 [DM-model dep.]

META-ANALYSES / STATISTICS

30 ladder measurements, mean 72.73 ± 0.39
58 ladder-free, mean 69.37 ± 0.34
Bayesian jackknife, 16 probes $68.00 +4.70/-1.30$ [95% CR]

MODEL-DEPENDENT EARLY FIXES

EDE profile likelihood, no SH0ES 71.00 ± 1.10 [fEDE=0.09+0.03]

GG derived 66.6 ± 0.2

GG background+lift 68.5 ± 0.6

H_0 [km s⁻¹ Mpc⁻¹]

