

# WEAVE characteristics

Telescope, diameter	WHT, 4.2m
Field of view	2° Ø
Number of fibers	960 (plate A)/940 (plate B)
Fiber size	1.3"
Number of "mini" IFUs, size	20 x 11"x12" (1.3" spaxels)
LIFU size	1.3'x1.5' (2.6" spaxels)
LR resolution at center of wavelength range	blue: 4150; red: 5950
LR wavelength coverage (Å)	3600–9490
HR resolution at center of wavelength range	blue: 19000; green: 13500; red: 22300
High-resolution mode wavelength coverage (Å)	blue: 4040–4650 <b>or</b> green: 4730–5450 red: 5950–6850

numbers in orange are currently out of spec



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# WEAVE's current status

- WEAVE was offline from ~15 September 2024 to ~30 March 2025 and again for a few weeks in mid-April 2025 to **identify and rectify** strong astigmatism seen in the spectrograph
- finally identified as an issue in the blue-arm camera (multiple lenses at the edge of tolerance leading to overall out-of-tolerance and an effective “wedge” in the camera)
- leads to **blue arm slightly out of spec in both spectral and spatial profiles**
  - have balanced these to find “optimal” solution given current camera performance
- Currently refocusing all of the modes
- Starting LIFU recommissioning and MOS and mIFU commissioning as we speak
- **LIFU observations for trimester 2025A2 will begin ASAP**
- **MOS and mIFU Science Verification will begin in mid- to late June**



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