

NSF MsRI-2 due 3/2023;
funding in 2024

7/19	10/19	1/20	4/20	7/20	10/20	1/21	4/21	7/21	10/21	1/22	4/22
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UCO Mini-grant FIDDLES (uses \$25k)

\$5k

Fiber System: Planning for MSIP pre-proposal (Poppett)

\$20k

Fore-optics: testing (DESI labs)

Keck WP 2018 (\$35k)

Spectrograph: design update; optimization (Miller/Kupke)

WMKO Phase-A (\$376k)

\$30k

\$23k

Project planning: MSIP preparation; schedule and budget; PEP; systems engineering plan; MSIP ancillary docs (Savage/MacDonald)

\$40k

\$19k

Fiber positioners: MSIP preparation; technology trade study; risk and performance; project planning (AAO)

\$70k

\$50k

Focal Plane System: Support of AAO positioners work (travel); focal plane layout, actuator support; metrology

ADC and motion systems: Design; controls (Miller, MacDonald, Deich)

\$9k

Calibration: requirements and MSIP planning (Yan)

\$45k

Calibration: system design; screen; lamps (Yan, MacDonald, Westfall, WMKO)

\$45k

Data systems: Requirements; simulator (Westfall)

\$45k

Operations: Targeting simulator; control system; Keck interface (Westfall, Deich, WMKO)

MSIP
pre-proposal

MSIP
full proposal

NSF-MSIP (\$5M)

through Dec 2024

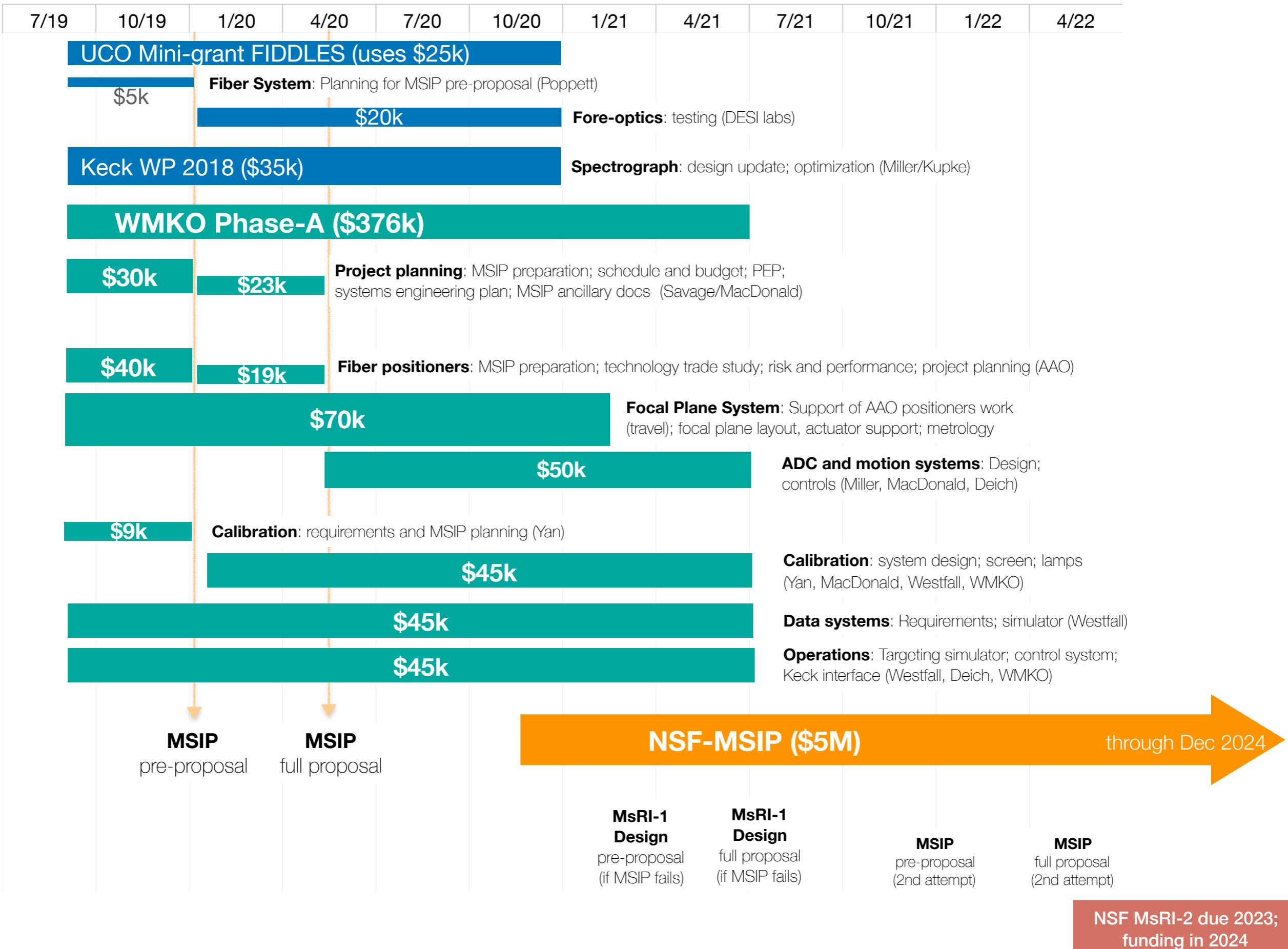
MSIP
pre-proposal
(2nd attempt)

MSIP
full proposal
(2nd attempt)

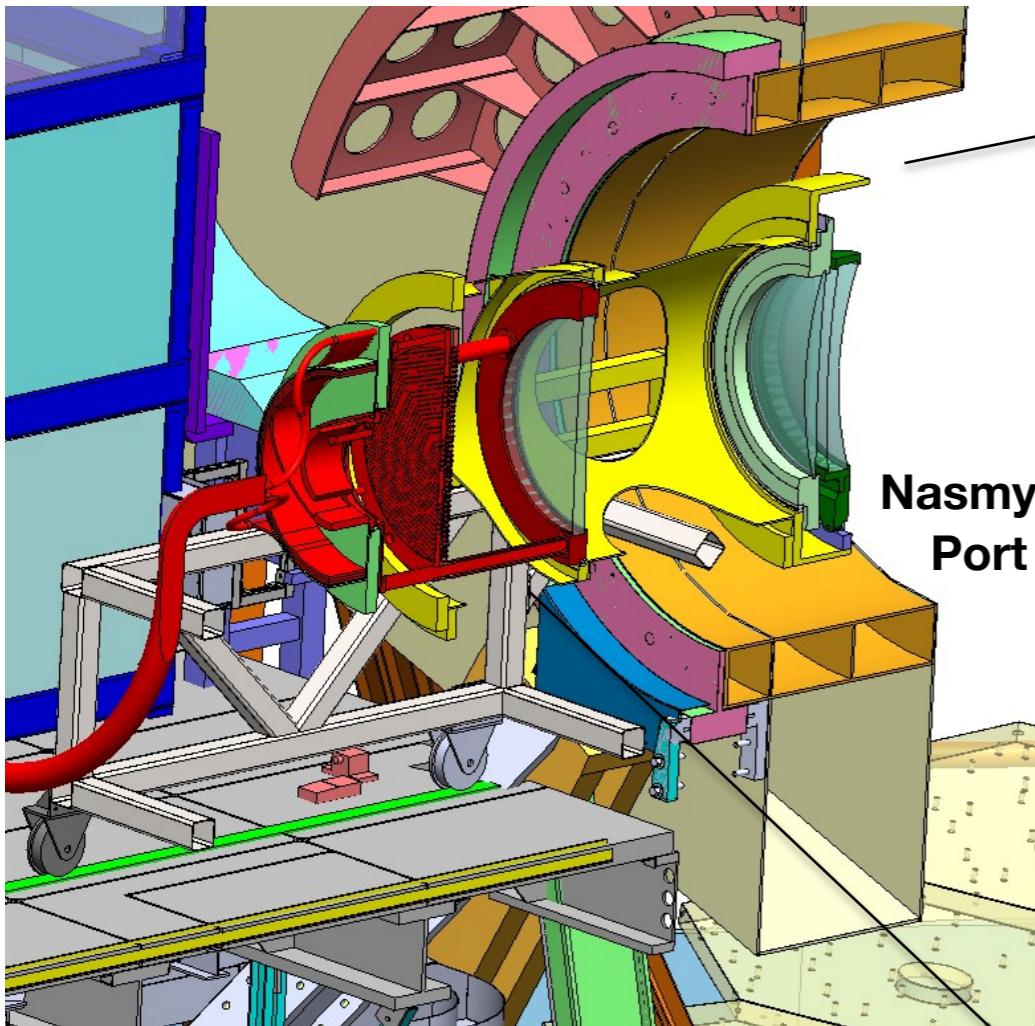
NSF-MSIP 2nd attempt

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FOBOS: Budget and Schedule



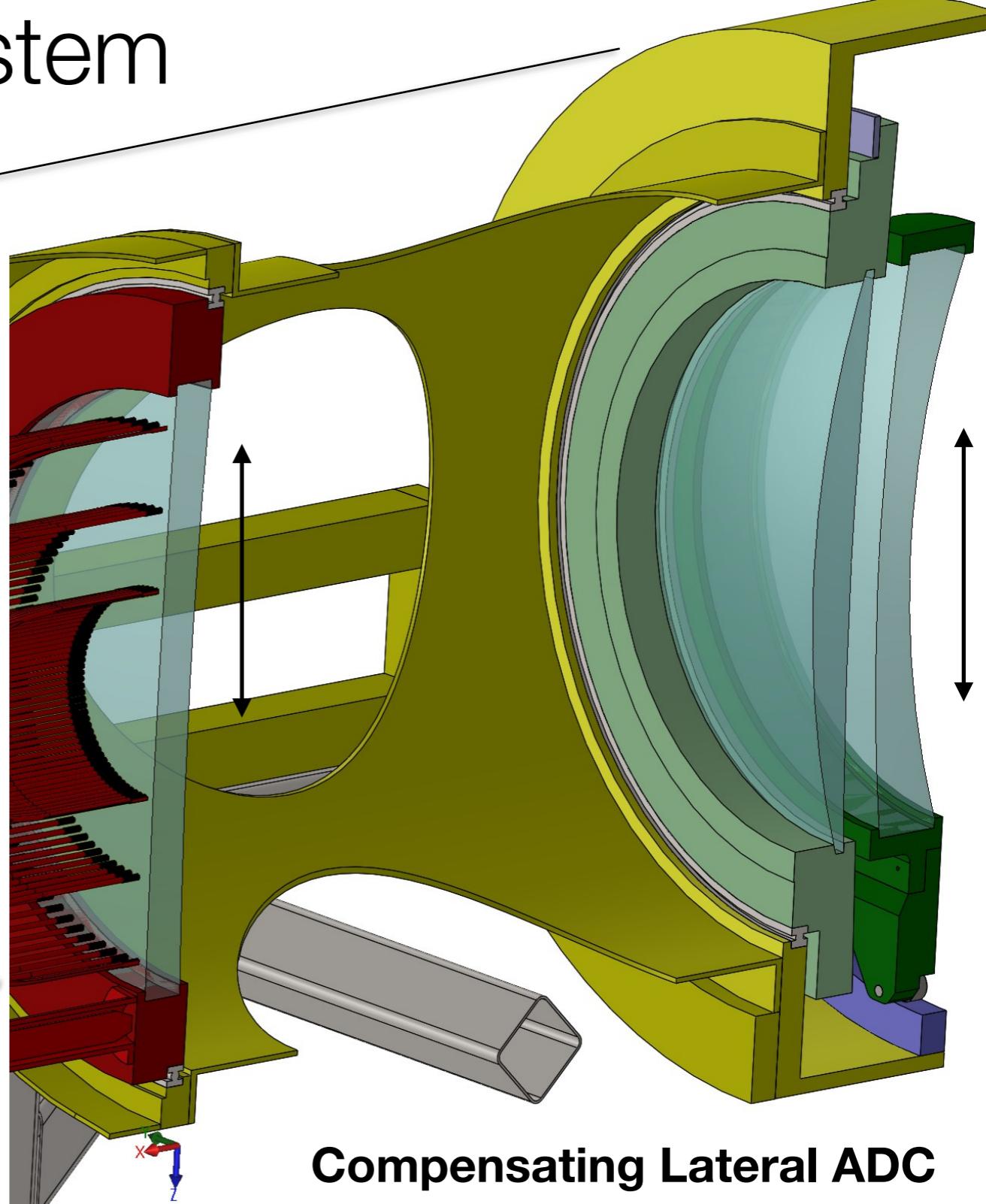
Focal Plane System



Nasmyth
Port



Starbugs



Compensating Lateral ADC

