

ExAOC Interim Milestones – 6/28/04

Effort (team)	MS 1	MS 2	MS 3	MS 4	WBS MS
system requirements, error budget (Macintosh)	initial error budget & preliminary subsystem goals – 7/16/04	final error budget & subsystem goals – 9/20/04	system performance verified with simulations – 12/13/04	final system performance section of CoD – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
science case (UCB, et. al.)	completed science-drivers matrix and support – 7/23/04	Draft Initial OCDD – 10/11/04	Initial OCDD – 12/13/04	final science case section of CoD – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
system engineering (HIA)	formal subsystem interfaces – 8/26/04	Draft Initial FPRD – 10/11/04	Initial FPRD – 12/13/04	final documentation package – 1/28/05	prelim. WBS, sched., budg. – 10/18/04
adaptive optics (LLNL)	strawman optical design and specifications - 7/30/04	final subsystem requirements, optical conceptual design (including WFS), and strawman AO computer design – 10/11/04	finalized algorithms and AO computer conceptual design, final DM selections, and final CCD selection – 12/28/04	final AO conceptual design – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
coronagraph (AMNH)	strawman optical designs and specifications - 7/30/04	science instrument interface definitions – 8/30/04	fully fleshed-out coronagraph designs – 10/11/04 completed simulations and manufacturability analysis – 12/15/04	final coronagraph conceptual design – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
calibration (JPL)	strawman calibration approach (hybrid & dithering) and specifications – 7/30/04	final calibration specifications and interface definition – 10/11/04	simulations demonstrating contrast performance with coronagraph and science instrument – 12/15/04	final calibration conceptual design – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
IFU (UCLA)	strawman optical design and specifications – 7/30/04	preliminary performance modeling, coronagraph interface definition – 8/30/04	fully fleshed-out instrument design – 10/11/04	completed performance modeling – 12/15/04	prelim. WBS, sched., budg. – 10/18/04
MWI (UdeM)	strawman optical design and specifications – 7/30/04	preliminary performance modeling, coronagraph interface definition – 8/30/04	fully fleshed-out instrument design – 10/11/04	final science instrument conceptual design – 1/10/05	prelim. WBS, sched., budg. – 10/18/04

Effort (team)	MS 1	MS 2	MS 3	MS 4	WBS MS
opto-mechanical (UCO/Lick)	flexure analysis of Keck WFS design – 7/30/04	preliminary opto-mechanical design (for AO and coronagraph) and specifications – 10/11/04	preliminary opto-mechanical design (for WFS) and specifications – 11/25/04	final opto-mechanical conceptual design – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
upper/mid-level SW (UCO/Lick, HIA)	preliminary system data flows, HW/SW subsystem interfaces, and telescope interface – 8/26/04	Supervisory / Component Controller Computer (SCC) conceptual design – 9/17/04	Engineering User Interface conceptual design – 10/5/04	final upper/mid-level SW conceptual design – 1/10/05	prelim. WBS, sched., budg. – 10/18/04
management (LLNL)	track project, monthly reports, etc.			final WBS, schedule, budget – 1/28/05	preliminary WBS, schedule, budget – 11/5/04
simulations (many)	place holder, for now				

ExAOC Project Milestones And Face-to-face Meetings – 6/18/04

1.1.1	Commence work	6/7/04
1.2.1	kick-off workshop @ UCSC	6/7/04
1.2.2	science workshop @UCB	7/19/04
1.2.3	mid-term review @ HIA	10/11/04
1.1.2	Final science instrument definition	10/11/04
1.1.3	Deliver Draft Initial OCDD	10/25/04
1.1.4	Deliver Draft Initial FPRD	10/25/04
1.1.6	Deliver preliminary WBS, schedule, and budget	11/5/04
1.1.5	Submit Design Study Documentation Outline	11/15/04
1.1.7	Deliver Initial OCDD	1/3/05
1.1.8	Deliver Initial FPRD	1/3/05
1.2.4	pre-CoDR @ UCSC	1/10/05
1.1.9	Deliver Design Study Documentation	1/28/05
1.1.10	Conceptual Design Study Review (CoDR)	TBD
1.1.11	Completion of all work	TBD