


DOCUMENT	TITLE	AUTHOR	DATE
872-LTN1001	K1DM3 Project Excel File	all	--
872-LTN1002	Tertiary Mirror size, shape and Location	Nelson	12OCT13
872-LTN1003	Coordinate Systems for the K1DM3 Project	Prochaska Phillips Adkins	15DEC13
872-LTN1004	Finite Element Analysis for the Mirror Mounts for the K1DM3 Project	Cabak Nelson Prochaska	30JAN14
872-LTN1005	Positioning of M3 for the K1DM3 Project	Prochaska Adkins Nelson Phillips	25AUG14
872-LTN1006	Mirror Specifications for the K1DM3 Project	Prochaska Nelson Epps Hilliard Phillips Adkins	2SEP14
872-LTN1007	Tertiary Kinematic Mounts	Nelson	21SEP14
872-LTN1008	Dampener Concept and Trade Discussion	Prochaska Ratliff Cowley Cabak Nelson	19DEC14
872-LTN1009	Random Vibration Analysis	Prochaska Cabak Nelson	29JAN15
872-LTN1010	Prototype for the K1DM3 Project	Prochaska Ratliff Cowley Adkins Cabak	9MAR15
872-LTN1011	Zygo Quote for the K1DM3 Mirror	Prochaska Cabak Ratliff Cowley Phillips Nelson Adkins	16SEP15
872-LTN1012	Elevation Axis of the K1 Telescope	Prochaska Ratliff Park Cowley Wold Phillips Nelson	21SEP15
872-LTN1013	Vignetting with K1DM3 at the Cassegrain Focus, with ADC	Phillips	29SEP15
872-LTN1014	Vignetting with K1DM3 assuming a masked M3	Phillips	29SEP15
872-LTN1015	Coating Considerations for the K1DM3 Project	Prochaska Ratliff Cowley Adkins Cabak Phillips Wold Dahler	18DEC15
872-LTN1016	Manual Control via Paddle Operation	Sandford	1FEB16
872-LTN1017	Manually Deploying K1DM3 in case of an Actuator Failure	Ratliff	18FEB16
872-LTN1018	Outer Drum Fitting Alignment	Prochaska Cabak Ratliff Cowley Phillips Nelson Adkins Tripsas	3MAR16
872-LTN1019	Earthquake Response When Retracted With Compliant Pivot	Prochaska Ratliff Cabak	10MAR16
872-LTN1020	Axial Puck Proof Test Procedure	Cabak	18AUG16
872-LTN1021	Axial/Lateral Witness Sample Test Procedure	Cabak	24AUG16
872-LTN1022	K1DM3 Mirror Assembly Test	Tripsas, Cabak, Prochaska, Ratliff, Ward, Cowley	25AUG16
872-LTN1023	Axial Puck Pull Test	Cabak	5MAY17
872-LTN1024	Actuator Load Calculations	Cabak	24AUG17
872-LTN1025	Evaluating the Design of the Tertiary System	Nelson	20Jan14
872-LTN1026	Exlar Maximum Motor Torque Calculations	Ratliff	
872-LTN1027	M1 Box Coolant Test	Cabak, Peck, & Tripsas	24Aug17
872-LTN1028	Keck Deployable Tertiary: comments on requirements	Nelson	11Oct13
872-LTN1029	Kinematic Mount for Deployable Tertiary	Nelson	6Jan14
872-LTN1030	Potential Interferences	Cabak & Ratliff	13Dec17
872-LTN1031	Tertiary Mirror size, shape and Location	Nelson	12Oct13
872-LTN1032	Vibration Testing	Cabak & Peck	13Dec17
872-LTN1033	Tertiary Mirror in Beam Positioning Requirements	Adkins	20Oct13
872-LTN1034	Integration and Testing Plan	Prochaska	11Apr16
872-LTN1035	Swing Arm Pivot Pin Loads	Ratliff & Cabak	18Apr16
872-LTN1036	Characterizing Swing Arm Kinematics		
872-LTN1037	Mirror Handling Plan	Cabak	8Jul16
872-LTN1038	Mirror Assy Lateral Adjustment HW Analysis	Cabak	27Jul18
872-LTN1039	Setting Ball Joint Position & Reverse Limit Switch on Exlar Actuator	Ratliff	18Aug18
872-LTN1040	Setting Limit Switch Positions for Destaco Clamps	Ratliff	5Nov18
832-LTN2001	Mirror Center Location Fixture Use Procedure	Cabak	7MAR18
872-LTN2002	Mirror Installation Set-up & Assembly Plan	Cabak	4JUN18
872-LTN2003	Hardware Lockdown Specifications	Ratliff, Cabak, & Park	18Apr18
872-LTN2004	Come-along Procedure	Tripsas, Cabak, & Cowley	20Dec16
872-LTN2005	Mirror Cleaning Procedure	DuPraw	1Feb19
872-LTN2006	Absolute Encoder Readhead Replacement Procedure	Ratliff	21Feb19
872-LTN4001	General Maintenance Manual	ALL	TBD

REVISIONS				
REV	DATE	DRW'N	CHCK'D	DESCRIPTION
A	29JUL16	GFC	--	INITIAL RELEASE
B	22AUG16	GFC	--	ADDED 1001-1020
C	24AUG16	GFC	--	1021 ADDED
D	05JUN17	GFC	--	1022, 1023
E	24AUG17	GFC	--	1024
F	08FEB18	GFC	--	4001
G	04JUN18	GFC		2001, 2002
H	16JUN18	GFC	--	1025-1037
J	06NOV18	GFC	RTC	1038, 1039, & 1040
K	12DEC18	GFC	--	2003
L	13DEC18	GFC	--	2004
M	01FEB19	GFC	--	2005
N	06FEB19	GFC	--	1001 OBSOLETE
P	21FEB19	GFC		2006

NOTES

- 1 DOCUMENT NUMBERS WILL BE LISTED BY THE FOLLOWING CATEGORIES:
1xxx - TECHNICAL NOTES
2xxx - PROCEDURES
3xxx - OPERATIONS MANUALS
4xxx - MAINTENANCE MANUALS
- 2 ENTRY ADDITIONS WILL NOT REQUIRE REVISION UPDATE OF THIS DOCUMENT
- 3 DATE WILL REFLECT ORIGINAL CREATION DATE
- 4 DOCUMENT REVISIONS WILL BE MAINTAINED WITHIN EACH DOCUMENT

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES & TOLERANCES ARE AS FOLLOWS X.X: ±0.1000" X.XX: ±0.0100" X.XXX: ±0.0050" X.XXXX: ±0.0001" ANGLES: ±0.5° FINISH: 125 MICRO INCHES BREAK ALL SHARP EDGES & CORNERS .002" MAX			DRAWN CABAK	--	KECK 1 DEPLOYABLE TERTIARY MIRROR DOCUMENTATION DOCUMENTATION TABLE OF CONTENTS
MATERIAL NA	FINISH NA		CHECKED --	--	
			DESIGNED CABAK	--	
			CHECKED CABAK	--	
			SW DOCUMENT FILE	PROJECT CODE K1D3FD	DWG NO 872-LTN0000
				NEXT ASSY --	P 1/1