

LSST Forecast - 2019-05 (Status Review)			LSST Camera - Longest Path to CD4					18-Jul-19 12:21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Activity ID	Activity Name	Global_M Levels	Total Float	Duration	Start	Finish	Activity % Complete	Labor Units	Nonlabor Units	FY2019				FY2020				FY2021			
										A	J	J	A	S							
ITC32230	Integrate Corner Raft Tower #2 of 4		-18	4	29-Jul-19	01-Aug-19	0%	119	0												
ITC32290	Integrate Corner Raft Tower #3 of 4		-18	4	02-Aug-19	07-Aug-19	0%	118	0												
ITC32410	Integrate Corner Raft Tower #4 of 4		-18	2	08-Aug-19	09-Aug-19	0%	118	0												
ITC32000	Integrate Science Raft Tower #7 of 21		-18	2	12-Aug-19	13-Aug-19	0%	59	0												
ITC32020	Integrate Science Raft Tower #8 of 21		-18	2	14-Aug-19	15-Aug-19	0%	59	0												
ITC32040	Integrate Science Raft Tower #9 of 21		-18	2	16-Aug-19	19-Aug-19	0%	59	0												
ITC32140	BOT Testing with Raft Tower #1-9		-18	38	20-Aug-19	11-Oct-19	0%	517	0												
ITC00300	COMP: Integration of 9 SR into Cryostat	L3	-18	0		11-Oct-19	0%	0	0												
ITC32160	COMP: Integration of 9 SR into Cryostat	L4	-18	0		11-Oct-19	0%	0	0												
ITC32180	Integrate Science Raft Tower #10 of 21		-18	6	14-Oct-19	21-Oct-19	0%	147	0												
ITC32200	Integrate Science Raft Tower #11 of 21		-18	2	22-Oct-19	23-Oct-19	0%	59	0												
ITC32220	Integrate Science Raft Tower #12 of 21		-18	2	24-Oct-19	25-Oct-19	0%	59	0												
ITC32240	Integrate Science Raft Tower #13 of 21		-18	2	28-Oct-19	29-Oct-19	0%	59	0												
ITC32260	Integrate Science Raft Tower #14 of 21		-18	2	30-Oct-19	31-Oct-19	0%	59	0												
ITC32280	Integrate Science Raft Tower #15 of 21		-18	2	01-Nov-19	04-Nov-19	0%	59	0												
ITC32300	Integrate Science Raft Tower #16 of 21		-18	2	05-Nov-19	06-Nov-19	0%	59	0												
ITC32320	Integrate Science Raft Tower #17 of 21		-18	2	07-Nov-19	08-Nov-19	0%	59	0												
ITC32340	Integrate Science Raft Tower #18 of 21		-18	2	11-Nov-19	12-Nov-19	0%	59	0												
ITC32360	Integrate Science Raft Tower #19 of 21		-18	2	13-Nov-19	14-Nov-19	0%	59	0												
ITC32380	Integrate Science Raft Tower #20 of 21		-18	2	15-Nov-19	18-Nov-19	0%	59	0												
ITC32400	Integrate Science Raft Tower #21 of 21		-18	2	19-Nov-19	20-Nov-19	0%	59	0												
ITC32420	BOT Testing with Raft Tower #1-21+4CR		-18	38	21-Nov-19	30-Jan-20	0%	517	0												

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

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TASK filters: Critical, WBS.  
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Activity ID	Activity Name	Global_M Levels	Total Float	Duration	Start	Finish	Activity % Complete	Labor Units	Nonlabor Units	FY2019				FY2020				FY2021			
										A	J	J	A	S							
ITC00330	START: Integrated Cryostat Testing	L3	-18	0		21-Nov-19	0%	0	0												◆ START: Integrated Cryostat T
ITC32415	START: Final Integrated Cryostat Testing	L4	-18	0	21-Nov-19		0%	0	0												◆ START: Final Integrated Cryo
ITC00335	COMP: I&T of Loaded Cryostat (21 SR+4 CR)	L3	-18	0		30-Jan-20	0%	0	0												◆ COMP: I&T of Loaded C
ITC32460	NEED: L3 Lens Assembly	L5	-18	0		30-Jan-20	0%	0	0												◆ NEED: L3 Lens Assemb
ITC32440	COMP: I&T of Loaded Cryostat (21 SR+4 CR)	L4	-18	0		30-Jan-20	0%	0	0												◆ COMP: I&T of Loaded C
ITC32480	Mount L3 Lens Assembly		-18	8	31-Jan-20	11-Feb-20	0%	65	0												■ Mount L3 Lens Assemb
ITC32500	NEED: Utility Trunk	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Utility Trunk
ITC32520	NEED: Camera purge unit	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Camera purge u
ITC32540	NEED: UT cooling system	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: UT cooling syst
ITC32580	NEED: UT Aux Electronics	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: UT Aux Electron
ITC32565	NEED: Diagnostic Cluster from CCS	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Diagnostic Clus
ITC32590	NEED: Cryostat Lift Fixture for Cryostat I&T	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Cryostat Lift Fix
ITC32510	NEED: Vacuum Purge	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Vacuum Purge
ITC32530	NEED: Cryostat Handling Equipment	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Cryostat Handlin
ITC32570	NEED: Controls for Utility Trunk	L5	-18	0		11-Feb-20	0%	0	0												◆ NEED: Controls for Utili
ITC32620	Mount and Populate Utility Trunk		-18	40	12-Feb-20	08-Apr-20	0%	767	0												■ Mount and Populate
ITC00340	COMP: Cryostat and UT Assembled	L3	-18	0		08-Apr-20	0%	0	0												◆ COMP: Cryostat an
ITC19850	NEED: Loaded Cryostat	L5	-18	0		08-Apr-20	0%	0	0												◆ NEED: Loaded Cry
ITC32660	AVAIL: Loaded Cryostat Ready for Integration	L5	-18	0		08-Apr-20	0%	0	0												◆ AVAIL: Loaded Cry
ITC19852	NEED: Camera Handling Equipment Ready for Camera I&T	L5	-18	0		08-Apr-20	0%	0	0												◆ NEED: Camera Har
ITC19900	Camera / Cryostat Integration		-18	30	09-Apr-20	20-May-20	0%	518	0												■ Camera / Cryosta
ITC20000	NEED: L1-L2 Assembly	L5	-18	0		20-May-20	0%	0	0												◆ NEED: L1-L2 As

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

◆ Milestone

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										A	J	J	A	S	D	J	F	A	J	J	A	S	V	D	J
ITC00450	COMP: Cryostat Integrated Into Camera Body	L3	-18	0		20-May-20	0%	0	0										◆ COMP: Cryostat						
ITC20025	L1-L2 Integration		-18	25	21-May-20	25-Jun-20	0%	816	0										■ L1-L2 Integrati						
ITC20050	Final Camera Assembly / Closeout		-18	15	26-Jun-20	17-Jul-20	0%	270	0										■ Final Camera						
ITC00475	COMP: Camera Ready for Verification Testing	L3	-18	0		17-Jul-20	0%	0	0										◆ COMP: Cam						
ITC20070	NEED: Filters (partial)	L5	-18	0		17-Jul-20	0%	0	0										◆ NEED: Filters						
ITC20060	COMP: Camera Ready for Verification Testing	L4	-18	0		17-Jul-20	0%	0	0										◆ COMP: Cam						
ITC20065	NEED: OCS & CCS Ready for I&T Testing (CCS Suite #9)	L5	-18	0		17-Jul-20	0%	0	0										◆ NEED: OCS						
ITC20076	NEED: DAQ Production V5.0	L5	-18	0		17-Jul-20	0%	0	0										◆ NEED: DAQ						
ITC20072	NEED: Filter Loader	L5	-18	0		17-Jul-20	0%	0	0										◆ NEED: Filter						
ITC20125	Camera Functional Testing		-18	46	20-Jul-20	22-Sep-20	0%	1432	0										■ Camera						
ITC20130	NEED: CCOB Ready for Camera Verification Testing	L5	-18	0		22-Sep-20	0%	0	0										◆ NEED: C						
ITC20150	Camera Verification Testing		-18	45	23-Sep-20	24-Nov-20	0%	1468	0										■ Cam						
CAM112810	CD-4/CRR Director's Team Pre Doc Review		252	5	06-Nov-20	12-Nov-20	0%	0	0										■ CD-4						
CAM112820	CD-4/CRR Directors Review		252	3	13-Nov-20	17-Nov-20	0%	0	0										■ CD-4						
CAM112830	CD-4/CRR Documentation Updates		252	20	18-Nov-20	17-Dec-20	0%	0	0										■ CD						
ITC20160	NEED: Filters Remaining	L5	-18	0		24-Nov-20	0%	0	0										◆ NEE						
ITC20170	NEED: Cryostat Sieve (Getter Pumps)	L5	-18	0		24-Nov-20	0%	0	0										◆ NEE						
ITC20175	NEED: Cryostat Evaporative Getter Pumps	L5	-18	0		24-Nov-20	0%	0	0										◆ NEE						
ITC20180	Recover from tests, secure Camera for shipping		-18	7	25-Nov-20	07-Dec-20	0%	392	0										■ Rec						
ITC00500	COMP: Camera Ready - Integrated & Tested @ SLAC	L3	-18	0		07-Dec-20	0%	0	0										◆ CO						
ITC20200	COMP: Camera Verification Tests Complete	L4	-18	0		07-Dec-20	0%	0	0										◆ CO						
ITC20349	NEED: As-built documentation	L5	-18	0		07-Dec-20	0%	0	0										◆ NEE						
							Page 4 of 5				TASK filters: Critical, WBS. © Oracle Corporation														
<div><div>Remaining Level of Effort</div><div>Actual Work</div><div>Critical Remaining Work</div><div>Actual Level of Effort</div><div>Remaining Work</div><div>◆ Milestone</div></div>																									

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ITC20350	Prep for C_PSR/ORR--Camera		-18	6	08-Dec-20	15-Dec-20	0%	120	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								