




**LIGO-T1500083-3IFO PSL Table Packing List/Inventory**  
**Detailed 3IFO PSL LTS Packing List-Cables**

Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
<b>Cables</b>						
	<b>General</b>					
	Adapter Power Meter		2?			
	Labeling stuff		?			
	<b>Lavender Cables</b>					
	9-pin Sub-D 50m		37	Cable Box 1 and 2		 <p>Cable Box 1- Sealed 31 Mar 2014</p>
	25-pin Sub-D 50m		7	Cable Box 2 and 3		 <p>Cable Box 2- Sealed 31 Mar 2014</p>
	<b>Non-Lavender Cables/Cords</b>					
	0.5m LEMO 5 pin cables		2	Cable Box 3		 <p>Cable Box 3- Sealed 31 Mar 2014</p>

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	13m 4-pin LEMO		1	Cable Box 3		
	13m BNC auf SMA (1 gewinkelt)		2	Cable Box 3		
	13m BNC to LEMO 00		1	Cable Box 3		
	13m LEMO 00 cables		55	Cable Box 3		
	13m LEMO 0S to LEMO 0S		1	Cable Box 3		
	13m LEMO 0S to LEMO 2-pin		1	Cable Box 3		
	13m LEMO 5 pin to LIGO		3	Cable Box 3		
	13m Shutter cable		2	Cable Box 3		
	13m SMA to BNC		1	Cable Box 3		
	13m SMA to LEMO		3	Cable Box 3		
	2m LEMO 5 pin cables		3	Cable Box 3		
	2m SMA to BNC		4	Cable Box 3		
	GEO male to GEO male		1	Cable Box 3		
	<b>CCD associated</b>					
	Power cable		7	Cable Box 3		
	Signal cable		7	Cable Box 3		

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	<b>DBB associated</b>					
	US power cable		1	Cable Box 3		
	CCD cable, 13m		1	Cable Box 3		
	Lemo 00 cable, 13m		8	Cable Box 3		
	Lemo 3pin, 13m		3	Cable Box 3		
	Lemo 4pin, 13m		6	Cable Box 3		
	Lemo 0S, 13m		2	Cable Box 3		
	Shutter cable, 13m		2	Cable Box 3		
	Geo 4pin, 13m		2	Cable Box 3		
	Geo 5pin-Sub-D, 13m		2	Cable Box 3		
	Geo 5pin-Sub-D, 5m		2	Cable Box 3		
	<b>HPL associated</b>					
	Cable-LRA		1	Cable Box 3		
	Cables-NeoLase		4	Cable Box 3		



### Detailed 3IFO LTS Packing List-PSL Electronics


Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
<b>Electronics</b>						
	<b>Control Rack (CR)</b>					 Crate sealed 31 Mar 2014
	Control Box CB		1	CRC	132201 132202	
	Delay Line Phase Shifters DLPS D050339		3	CRC	132211 132212 132213	
	Interlock Box ILB		2	CRC LDRC	132441 132442	
	NPRO Controller		2	FEC?	132221 132222	Innolight
	Field Stabilization Servo Fieldbox <span style="color: red;">aka TTFSS, FSS FB?</span> D1100367		2	FSC	132111 132114	
	TTFSS Daughterboard D1100371		2	FSC		
	TTFSS Modification Components T1100119		2	FSC		

Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
	ILS/PMC fieldbox D1001619		4	FSC	132112	
	Injection Locking Servo Module ILS D1001618		2 (1?)	FSC	132121	
	Intensity Stabilization Servo ISS D1001985		2	FSC	132123	
	Monitoring Fieldbox MFB D1002292		2	FSC	132113	
	PMC Locking Servo Module ? D1001618		2	FSC	132124	
	<b>Diagnostics Rack (DR)</b>					
	DBB Electronics crate aka DBB Field Box?		2 (1?)	DBBC	132301	HV Amplifier- Demodulator-Fieldbox- Calibartion
	HV Amplifier		2(1?)		132341	

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Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
	Demodulator		2(1?)		132321	
	Fieldbox		2(1?)		132331	
	Calibration		1		132311	
	VCO Fieldbox D1100369		2			
	Laser Diode Room Rack (LDR)					
	Beckoff PC BPC		2	LDC FSC	132411 132412	
	Front End Diode Box FE DB		2	LDC	132431 132432	
	Power supply PS		4	LDC	132451 132452 132453 132454	NeoLase

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Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
	Thermo Electric Cooler TEC		2	FWC	132461 132462	NeoLase
	Photo Diodes aka PD-PDB-DB?		4			
	Power Monitoring DB1-PD1 D1002929		2			
	PMC Locking DB2-PD2 D1002163		2			
	Field Stabilization Servo (FSS) refl.? DB3-PD3 DCC # ?		1			
	Field Stabilization Servo (FSS) transimpedance ? DB4-PD4 D1002164		2			
	<b>Photo Diodes (PD?)</b>					
	Interlock Locking Servo (ILS) ILS PD D1002163		1			






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Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
	OSC? PD AMP (Amplifier?) D1002164		1			
	OSC PD INT D1002164		1			
	OSC PD BP D1002164		1			
	OSC PD ISO D1002164		1			

Detailed 3IFO LTS Packing List-High Power Laser and Related Items






Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building-YMid Specific Location	Barcode (If assigned)	Notes
<b>High Power Oscillator/Related HPO DCC?</b>					132531	 HPO Crate- Sealed 31 Mar 2014
	HPO		1	HPOC		200 W Shipped as assembly
	<b>Fiber/Related</b>					
	Control fiber-100m patch		2 (1?)	FWC		
	Counter nuts		7	HPOC		Fixes fiber bundles in Be-Ri mount
	Fiber Bundles on Spools-75m 4 fibers per bundle Certs attached		6	FSC		 FS Crate-Sealed 31 Mar 2014
	Fiberswitch		1	HPOC		
	Mount-Fiberbundle Testing		1			Water-cooled?

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Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building-YMid Specific Location	Barcode (If assigned)	Notes
	Stress relief		4	HPOC		Fixes fiber bundles at housing
	Clamps					
	<b>Mechanics</b>					
	Faraday Isolator		1	FWC		
	Flowsensor-POM		1	FWC		
	Laserhead		4			
	Mount-Beri X-Y		5			
	Piezo		1			
	Stage-Piezo	PZT?	1			

	<b>Periscope/Related</b>					
	Adapter-normal D1002841		3	HPOC-Top		
	Adapter-special D1100031		1	HPOC-Top		
	Mounts	See pix above	5	HPOC-Top		
	Periscope		1			
	Rod		2	HPOC-Top		
	<b>Water</b>					
	Flow sensors		4	FWC		
	Hoses-PUN		1	FWC		Is this the correct acronym? What does it stand for? Clear? Blue?
	Hoses-Silicone		1 (2?)	FWC		Red
	Pressure valve (connected to diode chiller for "table water")		1	FWC		
	Pump chamber		4	FWC		Manifolds?

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	Water connectors		Lots			
	Water manifold-IO/laser external components		1			
	Water manifold-LZH		2	FWC		Underneath optical table
	Water manifold-Pump chambers		4	FWC		Above pump chambers
	Water manifold-Shutter/Power Heads		1			Small one at housing
	Water manifold-xTal + LH		1			Big one at housing
	<b>Misc.</b>					
	Driver-NPRO		1	LDRC		
	Driver-Spectrometer		1	HPOC		
	Long Range Actuator LRA		1			Includes driver
	Parts of housing		2			
	Power meter-External?		1	CRC		
	Spectrometer Ocean Optics HR4c4042		1	HPOC		

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	<p>Toolbox- AEI/LZH (Various Locations)</p>	 <p>Allen Keys</p>	 <p>Allen Keys</p>	 <p>Allen Keys</p>	<p>HPOC</p>	 <p>Caliper</p>
	 <p>Channel Locks</p>	 <p>Dewpoint Meter</p>	<p>Gewinde- schneider Taps</p>	 <p>High Intensity Light Source</p>	 <p>Ionizing Fan</p>	 <p>Inspection Light</p>
	 <p>Spanners-Set 1</p>	 <p>Scale</p>	 <p>Screws</p>	 <p>Screws</p>	 <p>Screws</p>	 <p>Spanners-Set 2</p>

**Detailed 3IFO LTS Packing List-Table Contents: Assemblies**

Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
Table Contents: Assemblies						
	Diagnostic Breadboard/Related DBB		1	DBBC	132511	 DBB Crate- Sealed 31 Mar 2014
	Adapter fieldbox		3			
	Box-Misc.		1	DBBC -Top		Small cover plate-CD-ROM with documents-Gap Pad
	CCD power supply		1	DBBC -Top		
	HV power supply		1	DBBC -Top		
	PZT-Spare		2			
	QPD-Spare		2			Includes heat cond. Foil And washer
	RPD-Spare		1			
	Servo for ML-Spare		2			
	Shuttrer-Spare		2			

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	TPD-Spare		1			
	Front End D1300457		1		132521	
	Intensity Stabilization Servo Box/Related ISS Box D1003121		2	FEC	132104	
	Adapter-PMC D1100588		2	FEC		
	Base Tube Mirror D1100589		3	FEC		
	Base Tube D1100590		1	FEC		
	Mirror Mount KCB1		2	FEC		
	SM1L03		4	FEC		
	SM1L05		4	FEC		
	SM1L10		2	FEC		



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	SM1L20		2	FEC		
	Adapter-PMC D1100588		2			
	SM1L30		2	FEC		
	SM1M30		1	FEC		
	SM1RC		2?	FEC		
	SM1T10		2	FEC		
	SM1T2		4	FEC		
	SM1V10		6	FEC		
	Tube Aperature D1100591		10	FEC		Various diameters
	Pre-Mode Cleaner? PMC D1001955-v1		2	FEC	132561 132562	



3IFO PSL LTS Packing List-Table Contents: Unassembled




Primary Component AKA/acronym DCC Number if available	Secondary Component AKA/acronyms DCC Number if available	Picture	Total Shipped	Storage Building- YMid Specific Location	Barcode (If assigned)	Notes
Table Contents-Unassembled D1300462 Pages 1 and 2						
	<b>AOM/Related</b>				132106 132107	
	AOM		2			
	Base D1100587		2			
	Driver D1002707		2	FEC		
	Slider		2			
	Mount 9071		2	FEC		
	<b>Apertures</b>					
	Aperture-4f		4	FEC		For alignment- <b>On mount already?</b>
	Aperture-Halo		1	FEC		Includes several insets

	Aperture- Iris		3 (4)	FEC		
	<b>Attenuators</b>					
	High Power D1100584		2			
	Low Power D1100583		3			
	<b>Closed-Circuit Digital Camera/Related CCD</b>					Spares in tall plastic box in FEC
	Camera CCD		7	TCB Kitted		
	Adapter-Camera to Mount <b>SM1A9?</b>		7	TCB Kitted		
	Mount		7	TCB Kitted		
	Breakout Panel D1100115		1	CRC		

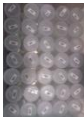
	<b>Beam Dumps/Related</b>					
	Brewster plate-Beam Dump	?	1	TCB Kitted		
	High Power-Beam Dump D1100584?		1			Thorlabs
	Low Power-Beam Dump LB1		13	TCB		Thorlabs
	Medium Power BT610/BT600?		2	TCB		Thorlabs
	Mounts CL5		20	TCB		Thorlabs
	TFP-Beam Dump		1	TCB		
	<b>Filters</b>					Do any of these need to be stored under special conditions like N2 purge?
	NG3 <b>filter</b> 1mm		2	TCB		
	NG3 filter 2mm		3	TCB		
	NG3 filter 3mm		1	TCB		

	NG4 filter 1mm		3	TCB		
	NG4 filter 2mm		3	TCB		
	NG4 filter 3mm		2	TCB		
	NG5 filter 2mm		1	TCB		
	NG5 filter 3mm		3	TCB		
	NG9 filter 1mm		3	TCB		
	NG11 filter 1mm		2	TCB		
	NG11 filter 2mm		2	TCB		
	NG11 filter 3mm		2	TCB		
	RG850 filter 3mm		10	TCB		
	<b>Laser/Related</b>					
	Homogenizer in laser head		4	TCB		HPL associated 8 in box?
	Homogenizer		4	TCB		HPL associated
	Laserdiodes		5			Neolase
	Xtals in laser head	?	4			HPL associated


	Xtals		5			HPL associated 
	<b>Lenses</b>					Do any of these need to be stored under special conditions like N2 purge?
	BK7 f=100		3			FE to DBB, PD, FSS
	BK7 f=150		2			FE to DBB, DBB
	BK7 f=200		3			FSS
	BK7 f=50		2			PDs
	BK7 f=80		1			DBB
	FS f=300		3			Superpolished
	FS f=400		2			Superpolished
	FS f=-50		1			Quioptiq
	FS f=-50		2			Superpolished
	Lens set- Mode-matching		1			HPL associated




	Lens Holders/Mounts					
	Adapter-SDS D1100597		9	TCB FEC (3)		Some already assembled?
	Holder X-Y		4	TCB		Owis
	Holder-OH40-D25		9	TCB		Owis
	Holder-OH40-D30		7	TCB		Owis
	Holder-OH40-40-R		2	TCB		Owis
	Holder-Modematching		2			
	Mount-no holder D1100596		8			
	Mount-no rail with SDS 40 D1100593		2			
	Mount-on rail, no SDS 40 D1100594		2			
	Mount-on rail with SDS 40 D1100592		5			
	Mount-Simple D1100595		2			






	Mirrors-Crystal-Windows					Do any of these need to be stored under special conditions like N2 purge?
	Calcite wedges		2	TCB		HPL associated
	Crystals-DKDP		2	TCB		HPL associated 4 on a different list
	0deg Mirror		3			
	1.5" Mirror		1			HPL associated
	45° mirrors 10ppm		5	TCB		HPL associated
	45° Mirrors HR ?		5			HPL associated
	Mirrors AR1064, 0°, R=0.02% AR windows		3 (5)	TCB		HPL associated 5 on 2 different lists (run V2-1555/V4-1048)
	Mirrors HR1064/AR808, 45° Dichroic Mirrors		4	TCB		HPL associated 6 on a different list
	Mirror HR		35	TCB		

	Mirror $T_p=0.20\%$		6	TCB		
	Mirror $T_p=1\%$		5	TCB		
	Mirror $T_p=200\text{ppm}$		2	TCB		
	Mirror $T_p=50\%$		2	TCB		
	Mirror $T_s=1\%$		5	TCB		
	Output coupler, $R=50\%$		5	TCB		HPL associated
	Thin Film Polarizer TFP		6	TCB		
	Thin Film Polarizer TFP		5 (3?)	TCB		HPL associated
	Window-Brewster?		5 (3?)			HPL associated
	Window-Entrance/Output		2	TCB		

	Mirror Bases/Mounts					
	Base Plate-Offgrid mP D1002660		2	TCB		
	Base-AOM Diffracted Beam D1100580		2	TCB		
	Base-Dump Holder D1002662			TCB		
	Base-Offgrid mP D1002660		2	TCB		
	Base-Offgrid oP D1002659		9	TCB		
	Bases-0deg D1002658		1	TCB		
	Base-Standard D1002657		30	TCB		
	Brewster-Mount		1	TCB		“Complete”-Does that include Brewster Plate?
	Distance plate-mount					
	Mount U100-A-2H		26	TCB		 Some already in assemblies

	Mount U100-A-2H-LH		26	TCB		 Some already in assemblies
	<b>PBS/Related</b>					
	Beam Dump Holder-UNC D1100631		5			
	Holder (PM3)		5 (3?)	TCB		Some already assembled
	Mount D1100582		6	TCB		
	PBS		6	TCB		Do these need to be stored under special conditions like N2 purge?
	<b>Power Meter and Distributor/Related</b>					
	Mount D1100586		4			
	Power Distributor D1002708		3			
	Power Meter		2			<b>08.0468</b> <b>08.0469</b>

	<b>Shutters/Related</b>					
	Shutter		3 (4?)	TCB		
	Shutter-External		1	TCB		
	Shutter-Internal		1	TCB		
	Shutter Mounts D1100581		3	TCB		
	<b>Wave Plates/Related</b>					Do any of these need to be stored under special conditions like N2 purge?
	Half-wave plates HWP			TCB		
	Half-wave plates-HP ? HWP-HP		3 (4?)	TCB		
	Mount Base D1100585		8	TCB		Some already in assemblies
	Mount-Precision Rotation		2	TCB		Some already in assemblies
	Mount-Rotation		8	TCB		Some already in assemblies
	Quarter-wave plates		3			

	<b>Rail/Related</b>					
	1.0m		<b>1</b>	HPL Crate-Top		
	0.2m		<b>2</b>	HPL Crate-Top		
	0.4m		<b>1</b>	HPL Crate-Top		
	Alignment Adapter		<b>2</b>			
	Inner part-Alignment Adapter		<b>4</b>			
	SDS 40		<b>8</b>			Thorlabs Some already in assemblies
	Slider		<b>11</b>			