

Level-6	LIU-0601	ULTH										
Blade	Front 0601-1	Front 0601-2	Front 0601-3	Front 0601-4	Front 0601-5	Front 0601-6	Front 0601-7	Front 0601-8	Front 0601-9	Front 0601-10	Front 0601-11	Front 0601-12
Conn	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST
1,2	Switch ULTH-SW0601-B	Switch ULTH-SW0601-A	ERPLC Cable # 53, 54	Cable # 49, 50	IAS ULTH CP0402PLC		RFBG AGw WFS Net	Argos CRE-DX Sw1	M2 SX Umac			MAT Net
3,4	Switch 06-LLTH-SW04	Switch 06-LRTH-SW05	URTH	ELRIO	SX Rotator Fiber #1	LFBG Agw#1 E-Box	AO DX AdSec Net-1	Argos CRE-DX2 Sw2	3D-Wind SX Net			LFBG AGw WFS Net
5,6	Switch 06-LLTH-SW03	Switch 06-LRTH-SW06	EI at Z #5 only, NC	Unk Conn		AO-SX AdSec Net-1	RFBG AGw #2 E-Box		DIMM Net			3D-Wind DX Net
Back	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U	--> 0401U
LIU-0601												
Location	Level-6	ULTH										
LIU	Rackmount	12 ST Blades	3 ST pair / blade	B1-12 ST								
Description	Multi-mode connection between ULTH and level-4, 0401U, in HB/RIO cabinet The back of this LIU is the terminus for a 72 strand fiber to the Level-4 From level-4, most connections get patched to 0401L and on to 0201 wall LIU in CRA Most connections are going to switches in CRA											
Rear Conn	FC-2-72	B1-12	-> LIU-0401U, B1-12									
Issues												
1	Engineering connections (red) need to be traced											
2	M2 SX Umac may be obsolete											

	Level-6	LIU-0602	ULTH									
Blade	Front 0602-1	Front 0602-2	Front 0602-3	Front 0602-4	Front 0602-5	Front 0602-6	Front 0602-7	Front 0602-8	Front 0602-9	Front 0602-10	Front 0602-11	Front 0602-12
Conn	ST	ST	ST	ST	ST	ST	LC	LC	Empty	LC	LC	Empty
1	--> LLTH	LBTI-Net-A	AO-SX Trigger	--> LRTH	Pathfinder DX-Fastlink	AO-DX Trigger	Argos CRE-DX Sw1					
2	--> LLTH	" "	--> LLTH	--> LRTH	" "	--> LRTH	Argos CRE-DX Sw2					1,2
3	Switch 06-LLTH-SW04	LBTI-Net-B	--> LLTH	Switch 06-LRTH-SW05	Pathfinder Spare1	--> LRTH	Argos CRE-DX Sw Spr					
4	" "	" "	--> LLTH	" "	" "	--> LRTH	Argos SX-WFS	Argos DX-WFS				3,4
5	Switch 06-LLTH-SW03	--> LLTH	--> LLTH	Switch 06-LRTH-SW06	Pathfinder Spare2	--> LRTH	Argos SX-WFS Spr1	Argos DX-WFS Spr1				
6	" "	--> LLTH	--> LLTH	" "	" "	--> LRTH	Argos SX-WFS Spr2	Argos DX-WFS Spr2				5,6
6a,b	" "	--> LLTH	--> LLTH	" "	" "	--> LRTH	Argos SX-WFS Spr2	Argos DX-WFS Spr2				
Back	--> LLTH	--> LLTH	--> LLTH	--> LRTH	--> LRTH	--> LRTH	--> Argos CRE-DX --> Argos WFS-SX	--> Argos WFS-SX				
	LIU-0602											
	Location	Level-6	ULTH									
	LIU	Rackmount	6 ST blades 6 LC blades	3 ST pair / blade 6 LC pair / blade	B1-6 ST B7-8, 10-11 LC B9, 12 Empty							
	Description	B1-3 B4-6 B7-12	Multi-mode connection between ULTH and LLTH Multi-mode connection between ULTH and LRTH Connection point for telescope devices									
	Rear Conn	FC-24-18 FC-25-18 FC-43-6 FC-40-18 FC-45-6 FC-54-6 FC-55-6	B1-3 B4-6 B7 B10-11 B5 B7 B7	--> LIU-LLTH, B1-3 --> LIU-LRTH, B1-3 --> Argos-CRE --> LRBG temporary run --> LIU-LRTH, B2 front --> Argos-WFS-SX --> Argos-WFS-DX								
	Issues											
1	Argos WFS cables not purchased											

Level-6	LIU-0603	ULTH										
Blade	0603-1	0603-2	0603-3	0603-4	0603-5	0603-6	0603-7	0603-8	0603-9	0603-10	0603-11	0603-12
Conn	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC
1	LBC-SX Blue Profibus	MODS-SX Agw-G	MODS-DX AGw-G	RFBG-AGw AzCamG	Lucifer-SX ge0	LBTI NOMIC	Pepsi AGw4-LDG	Pepsi Polarimeter: SX	LN D: BCU-TipTilt	LN J: DM		1
2	LBC-SX Blue Sci CCD	MODS-SX AGw-W	MODS-DX AGw-W	RFBG-AGw AzCamW	Lucifer-SX Data 3,4	LBTI LMIRCAM	Pepsi AGw3-LDG	Pepsi Polarimeter: DX	LN E: FFT-ROE	LN K: PAC-CCD		2
3	LBC-SX Blue Tech CCD	MODS-SX Blue CCD	MODS-DX Blue CCD	LFBG-AGw AzCamG	Lucifer-SX Data 5,6	LBTI SXWFS	Pepsi PFU-SX		LN F: NIR-ROE	LN L: HWS-CCD		3
4	LBC-DX Red Profibus	MODS-SX Red CCD	MODS-DX Red CCD	LFBG-AGw AzCamW	Lucifer-DX ge1	LBTI DXWFS	Pepsi PFU-DX	LN A: DM	LN G: 3Layer- MCAO ASM BCU	LN M: BCU-TipTilt		4
5	LBC-DX Red Sci CCD	MODS-SX InstrNet	MODS-DX InstrNet		Lucifer-DX CH0		Pepsi AGw7	LN B: PAC-CCD	LN H: 3Layer- MCAO ASM BCU	LN N: 3Layer- MCAO ASM BCU		5
6	LBC-DX Red Tech CCD	LBC-SX Blue Net	LBC-DX Red Net		Lucifer-DX CH1		Pepsi AGw8	LN C: HWS-CCD	LN I: PIM	LN O: 3Layer- MCAO ASM BCU		6
Back	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404	--> 0404
	LBC	MODS-SX LBC-SX Net	MODS-DX LBC-DX Net	AGW-RFBG AGW-LFBG	LUCIFER	LBTI	Pepsi	Pepsi LINC-NIRVANA	LINC-NIRVANA	LINC-NIRVANA		
LIU-0603												
Location	Level-6	ULTH										
LIU	Rackmount	12 LC blades	6 LC pair/blade	B1-12 LC								
Description	Multi-mode connection point from ULTH trough level-4 to CRB Telescope Devices will patch in the front											
Rear Conn	FC-13-144	B1-12	-> LIU-0404, B1-12									
Issues												
1	If Pepsi is using 3750 in ULTH there will be no connections in 0603											
2	If Pepsi is not here should all of LN be shifted to the left?											

	Level-6	LIU-0604	ULTH									
Blade	Front 0604-1	Front 0604-2	Front 0604-3	Front 0604-4	Front 0604-5	Front 0604-6	Front 0604-7	Front 0604-8	Front 0604-9	Front 0604-10	Front 0604-11	Front 0604-12
Conn	ST	ST	LC	LC	LC	LC	Empty	ST	ST	LC	LC	Empty
1	MODS-SX InstrNet	MODS-SX Spare	MODS-DX AGW-W	MODS-DX Spare2	LBC-SX Blue Sci CCD	LBC-DX Red Sci CCD	Lucifer-DX ge1	Lucifer-SX ge0	Lucifer-SX Spare1			LDG Spr
2	" "	" "	MODS-DX AGW-G	MODS-DX Spare3	Blue Tech CCD	Red Tech CCD	Lucifer-DX Spr1	" "	" "			LDG Spr
3	MODS-SX Red CCD	MODS-SX AGW-G	MODS-DX Spare1	MODS-DX Spare4	LBC-SX Blue Net	LBC-DX Red Net	Lucifer-DX Spr2	Lucifer-SX Data 3,4	Lucifer-SX Spare2	Pepsi PFU-SX	Pepsi PFU-DX	LDG Spr
4	" "	" "	MODS-DX Blue CCD	MODS-DX Spare5	LBC-SX Blue Profibus	LBC-DX Red Profibus	Lucifer-DX CH0	" "	" "	Pepsi AGW7-SX	Pepsi AGW8-DX	LDG Spr
5	MODS-SX Blue CCD	MODS-SX AGW-W	MODS-DX Red CCD	MODS-DX Spare6	LBC-SX Blue Spare	LBC-DX Red Spare	Lucifer-DX CH1	Lucifer-SX Data 5,6	Lucifer-SX Spare3	Pepsi-PFU/Agw7 SX Spare1	Pepsi-PFU/AGw8 DX Spare1	LDG Spr
6	" "	" "	MODS-DX InstrNet	MODS-DX Spare7			Lucifer-DX Spr3	" "	" "	Pepsi-PFU/Agw7 SX Spare2	Pepsi-PFU/AGw8 DX Spare2	LDG Spr
Back	LDG	LDG	RDG	RDG	LBC-SX	LBC-DX	LUCI-DX	LUCI-SX	LUCI-SX/DX	Pepsi PFU/Agw7	Pepsi PFU/Agw8	
	LIU-0604											
	Location	Level-6	ULTH									
	LIU	Rackmount	Combination of ST and LC blades	B1-2,8-9 ST B3-7, 10-12 LC								
	Description	Multi-mode connection point for telescope devices Device fiber cables connect to the back of these blades Devices get patch in the front to desired path										
	Rear Conn	FC-34-24 (12)	B1-2	-> LDG-ModsSX								
		FC-35-24	B3-4	-> RDG-ModsDX								
		FC-nn-nn	B5-6	-> LBC-Blue/Red User installed FC								
		FC-50-12	B7	-> Lucifer-DX								
		FC-nn-12	B8-9	-> Lucifer-SX								
		FC-51-8	B10	-> Pepsi								
		FC-52-8	B11	-> Pepsi								
		FC-34-24 (12)	B12	-> LDG Spr								
	Issues											
	1	Run LDG (FC-34-24) 12 spare fibers to 0606 or leave them in 0604-12?										

Level-6	LIU-0605	ULTH										
Blade	Front 0605-1	Front 0605-2	Front 0605-3	Front 0605-4	Front 0605-5	Front 0605-6	Front 0605-7	Front 0605-8	Front 0605-9	Front 0605-10	Front 0605-11	Front 0605-12
Conn	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC	LC
1	AO-SX AdSec Net-1	AO-SX Fastlink LBTI	3D-Wind SX Network	AO-DX AdSec Net-1	AO-DX Fastlink LBTI	LBTI NOMIC	LBTI Spare-1	LN A: DM	LN F: NIR-ROE	LN I: PIM	LN N: 3Layer- MCAO ASM BCU	
2	AO-SX AdSec Net-2	AO-SX Spare-3	3D-Wind SX Spare	AO-DX AdSec Net-2	AO-DX Spare-3	LBTI LMIRCAM	LBTI Spare-2	LN B: PAC-CCD	LN G: 3Layer- MCAO ASM BCU	LN J: DM	LN O: 3Layer- MCAO ASM BCU	
3	AO-SX Trigger	AO-SX Fastlink Argos	3D-Wind DX Network	AO-DX Trigger	AO-DX Fastlink Argos	LBTI SXWFS	LBTI Spare-3	LN C: HWS-CCD	LN H: 3Layer- MCAO ASM BCU	LN K: PAC-CCD	LN DX-Spr2	
4	AO-SX Spare-1	AO-SX Spare-4	3D-Wind DX Spare	AO-DX Spare-1	AO-DX Spare-4	LBTI DXWFS	LBTI Spare-3	LN D: BCU-TipTilt	LN SX-Fastlink-1	LN L: HWS-CCD	LN DX-Fastlink-1	
5	AO-SX Fastlink FLAO	AO-SX Fastlink LN1-SX		AO-DX Fastlink FLAO	AO-DX Fastlink PF-DX	LBTI Fastlink-SX	LBTI Spare-3	LN E: FFT-ROE	LN SX-Fastlink-2	LN M: BCU-TipTilt	LN DX-Fastlink-2	
6	AO-SX Spare-2	AO-SX Spare-5		AO-DX Spare-2	AO-DX Spare-5	LBTI Fastlink-DX	LBTI Spare-3	LN SX-Spr1	LN SX-Spr2	LN DX-Spr1	LN DX-Spr3	
Back	AO#2-SX	AO#2-SX	3D-Wind	AO#1-DX	AO#1-DX	LBTI	LBTI	LincNirvana	LincNirvana	LincNirvana	LincNirvana	
Instrument connection point												
LIU-0605												
Location	Level-6	ULTH										
LIU	Rackmount	12 LC blades	B1-7 LC	B8-12 Empty								
Description	Multi-mode connection point for telescope devices Device fiber cables connect to the back of these blades Devices get patch in the front to desired path											
Rear Conn	FC-20-24	B1-2	-> AO-SX									
	FC-37-4	B3	-> 3D-Wind-SX									
	FC-nn-nn	B3	-> 3D-Wind-DX									
	FC-22-8	B4	-> AO-DX									
	FC-26-2	B4	-> AO-DX									
	FC-44-24	B4-5	-> AO-DX									
	FC-46-18, B6-7	B6-7	-> LBTI									
	FC-nn-24	B9-10	-> LincNirvana-SX									
	FC-nn-24	B11-12	-> LincNirvana-DX									

	Level-6	LIU-0606	ULTH									
Blade	Front 0606-1	Front 0606-2	Front 0606-3	Front 0606-4	Front 0606-5	Front 0606-6	Front 0606-7	Front 0606-8	Front 0606-9	Front 0606-10	Front 0606-11	Front 0606-12
Conn	ST	ST	ST	ST	Empty	LC	LC	Empty	Empty	ST	Empty	Empty
1	RFBG Fastlink-FLAO	RFBG Wavefront AzCamW	RFBG E-Box	RFBG Spare4			LFBG Guider AzCamG					
2	" "	" "	" "	" "			LFBG Wavefront AzCamW					
3	NC	RFBG Guider AzCamG	RFBG Spare2	RFBG Spare5			LFBG E-Box					
4	NC	" "	" "	" "		LFBG Fastlink FLAO	LFBG Spare1					
5	RFBG WFS Net	Bad pair	RFBG Spare3	RFBG Spare6		RFBG Fastlink FLAO	LFBG Spare2					
6	" "	Bad pair	" "	" "		LFBG WFS-Net	LFBG Spare3					
Back	RFBG	RFBG	RFBG	RFBG		LFBG	LFBG					
	LIU-0606											
Location	Level-6	ULTH										
LIU	Rackmount	ST and LC blades	B1-4, 10 ST									
			B6-7, LC									
			B5, 8-9, 11-12 empty									
Description	Multi-mode connection point for telescope devices Device fiber cables connect to the back of these blades Devices get patch in the front to desired path											
Rear Conn	FC-23-24	B1-4	-> RFBG Agw									
	FC-21-18	B6-7	-> LFBG									
	FC-22-8	B10	-> AO-DX									
	FC-26-2	B10	-> AO-DX									

Level-5.5				Level-5.5			
LIU-05502		LLTH		LIU-05501		LRTH	
<p style="text-align: center;">LIU-LLTH Lower Left Tree House FC-24-18</p> <p style="text-align: center;">LIU-LLTH <-> LIU-0602-B1,2,3 FC-24-18 Lower Left Tree House <-> Upper Left Tree House</p>				<p style="text-align: center;">LIU-LRTH Lower Right Tree House FC-25-18</p> <p style="text-align: center;">LIU-LRTH <-> LIU-0602-B4,5,6 FC-25-18 Lower Right Tree House <-> Upper Left Tree House</p>			
Connector	1,2	3,4	5,6	Connector	1,2	3,4	5,6
Blade	ST	ST	ST	Blade	ST	ST	ST
LLTH-1		Switch 06-LLTH-SW04	Switch 06-LLTH-SW03	LRTH-1		Switch 06-LRTH-SW05	Switch 06-LRTH-SW06
LLTH-2	LBTI-Net-A	LBTI-Net-B		LRTH-2	LN-PF-FLAO-DX	LN-PF-DX-Spr1	LN-PF-DX-Spr2
LLTH-3	AO-SX Trigger (1)			LRTH-3	AO-DX Trigger (1)		
Back	ULTH	ULTH	ULTH	Back	ULTH	ULTH	ULTH
LIU-LLTH				LIU-LRTH			
Location	Level-5.5	LLTH		Location	Level-5.5	LRTH	
LIU	Rackmount	3x1 ST blades	B1-3 ST	LIU	Rackmount	3x1 ST blades	B1-3 ST
Description	Multi-mode connection point between ULTH and LLTH			Description	Multi-mode connection point between ULTH and LRTH		
Rear Conn	FC-24-18	B1-3	-> 0602 ULTH	Rear Conn	FC-25-18	B1-3	-> 0602 ULTH