FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Driver, FET QET Bias	Q Amp 1/2 FET Pwr	#3 Q Amp 1/2 FET Pwr		Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
ZIP-3.1	ZIP	3	6/6/2003	6/12/2003	1/16/2004		12/18/2002	1	Soudan	Surya	50 on 11/1/02	1 on 12/5/02	100		Bruce/Wayne	12/7/2002	
ZIP-3.2	ZIP	3	6/9/2003	6/13/2003	1/7/2004		4/8/2003	2	Soudan	Surya		5 on 12/12/02	100		Bruce/Wayne	12/16/2002	
ZIP-3.3	ZIP	3	6/6/2003	6/12/2003	1/7/2004		12/18/2002	3	Soudan	Surya			100		Bruce/Wayne	12/16/2002	
ZIP-3.4	ZIP	3	6/6/2003	6/12/2003	1/23/2004		12/18/2002	4	Soudan	Surya			100		Bruce/Wayne	12/16/2002	
ZIP-3.5	ZIP	3	8/6/2003	8/6/2003	7/12/2004		12/18/2002	5	Case Western	Surya			100		Bruce/Wayne	12/16/2002	
ZIP-3.6	ZIP	3	6/6/2003	6/12/2003	1/23/2004		12/18/2002	6	Soudan	Surya			100		Bruce/Wayne	12/16/2002	
ZIP-3.7	ZIP	3	8/6/2003	8/6/2003	12/4/2003		1/17/2003	7	Soudan	Surya		5 on 1/16/2003	100		Wayne	1/17/2003	
ZIP-3.8	ZIP	3	6/6/2003	6/12/2003	1/23/2004		1/23/2003	8	Soudan	Surya			100		Alberto	1/23/2003	
ZIP-3.9	ZIP	3	6/9/2003	8/6/2003	7/17/2004		11/20/2003	9	Soudan	Surya			100		Wayne		
ZIP-3.10	ZIP	3	8/6/2003	8/6/2003			3/14/2003	10	UC Berkeley	Surya			100				
ZIP-3.11	ZIP	3	8/6/2003	8/6/2003			1/21/2003	11	Soudan	Surya			100		Alberto	1/21/2003	
ZIP-3.12	ZIP	3	6/9/2003	8/6/2003			9/4/2003	12	Soudan	Surya		10 on 1/23/2003					
ZIP-3.13	ZIP	3	6/6/2003	6/12/2003	1/16/2004		6/12/2003	13	Soudan	Surya							
ZIP-3.14	ZIP	3	8/6/2003	8/6/2003	7/12/2004		2/11/2003	14	Fermilab	Surya			100		Alberto	2/11/2003	
ZIP-3.15	ZIP	3	6/6/2003	6/12/2003	1/16/2004		2/6/2003	15	Soudan	Surya			100		Alberto	2/6/2003	
ZIP-3.16	ZIP	3					2/5/2003	16	UC Berkeley	Surya			100		Alberto	2/5/2003	
ZIP-3.17	ZIP	3	6/9/2003	8/6/2003	1/29/2004		12/4/2003	17	Soudan	Surya							
ZIP-3.18	ZIP	3	6/6/2003	6/13/2003	1/23/2004		2/11/2003	18	Soudan	Surya			100		Alberto	2/11/2003	
ZIP-3.19	ZIP	3	6/6/2003	6/13/2003	1/16/2004		5/2/2003	19	Soudan	Surya							
ZIP-3.20	ZIP	3	8/6/2003	8/6/2003	7/12/2004		2/5/2003	20	Soudan	Surya			100		Alberto	2/5/2003	
ZIP-3.21	ZIP	3	6/6/2003	6/12/2003	7/17/2004		5/1/2003	21	Soudan	Surya			100		Wayne		
ZIP-3.22	ZIP	3	8/6/2003	8/6/2003	7/12/2004			22	Fermilab	Surya		8 on 2/25/2003					
ZIP-3.23	ZIP	3	8/6/2003	8/6/2003			3/11/2003	23	UC Berkeley	Surya			100				
ZIP-3.24	ZIP	3	8/6/2003	8/6/2003	12/4/2003		3/10/2003	24	Soudan	Surya			100		Wayne		
ZIP-3.25	ZIP	3	8/6/2003	8/6/2003	1/29/2004		11/20/2003	25	Soudan	Surya			100		Wayne		
ZIP-3.26	ZIP	3	6/9/2003	6/12/2003	1/7/2004		3/25/2003	26	Soudan	Surya			100		Wayne		
ZIP-3.27	ZIP	3	6/6/2003	6/13/2003	7/12/2004			27	Fermilab	Surya			100				
ZIP-3.28	ZIP	3	6/9/2003	8/6/2003	7/12/2004			28	Fermilab	Surya							
ZIP-3.29	ZIP	3	8/6/2003	8/6/2003	7/12/2004			29	Fermilab	Surya							
ZIP-3.30	ZIP	3	8/6/2003	8/6/2003	1/29/2004		12/4/2003	30	Soudan	Surya		10 on 3/13/2003					
ZIP-3.31	ZIP	3	6/6/2003	6/13/2003	7/12/2004		3/17/2003	31	Fermilab	Surya			100		Wayne		
ZIP-3.32	ZIP	3	6/5/2003	6/12/2003	7/17/2004		3/25/2003	32	Soudan	Surya			100		Wayne		
ZIP-3.33	ZIP	3	6/9/2003	8/6/2003	7/17/2004		11/21/03	33	Soudan	Surya			100		Wayne		
ZIP-3.34	ZIP	3	6/6/2003	6/12/2003	1/23/2004		3/25/2003	34	Soudan	Surya			100				
ZIP-3.35	ZIP	3	6/6/2003	6/12/2003	7/17/2004		3/25/2003	35	Soudan	Surya			100				
ZIP-3.36	ZIP	3	6/6/2003	6/12/2003	1/16/2004		5/1/2003	36	Soudan	Surya			100				
ZIP-3.37	ZIP	3	6/6/2003	6/12/2003	1/23/2004		3/25/2003	37	Soudan	Surya			100		wayne		
ZIP-3.38	ZIP	3	6/9/2003	6/12/2003	7/17/2004		3/25/2003	38	Soudan	Surya			100		wayne		
ZIP-3.39	ZIP	3	6/6/2003	6/12/2003	7/12/2004		12/5/2003	39	Fermilab	Surya			100		wayne		
ZIP-3.40	ZIP	3	6/9/2003	6/13/2003	1/27 2004		4/9/2003	40	Soudan	Surya		10 on 3/28/2003	100		wayne		
ZIP-3.41	ZIP	3	6/6/2003	6/12/2003	1/7/2004		4/10/2003	41	Soudan	Surya			100		wayne		
ZIP-3.42	ZIP	3	8/6/2003	8/6/2003	7/12/2004			42	Fermilab	Surya							
ZIP-3.43	ZIP	3	6/6/2003	6/12/2003	1/7/2004		4/11/2003	43	Soudan	Surya			100		wayne		
ZIP-3.44	ZIP	3	8/6/2003	6/12/2003	7/12/2004			44	Fermilab	Surya							
ZIP-3.45	ZIP	3	8/6/2003	8/6/2003	7/12/2004			45	Fermilab	Surya							
ZIP-3.46	ZIP	3					4/14/2003	46	UC Berkeley	Surya			100				
ZIP-3.47	ZIP	3	8/6/2003	6/12/2003	7/12/2004			47	Fermilab	Surya							
ZIP-3.48	ZIP	3					4/15/2003	48	UC Berkeley	Surya			100				
ZIP-3.49	ZIP	3	8/6/2003	8/6/2003			4/16/2003	49	UC Berkeley	Surya			100				
ZIP-3.50	ZIP	3	6/6/2003	6/12/2003	1/16/2004		4/17/2003	50	Soudan	Surya			100				

Modification Notes:

1: Driver, FET, QET Bias: Driver: remove R43; FET: Jumper Pin 4-5 on relay, Replace C181 with shunt; QET Bias: Replace R25, 26,27, 28 with 3.5k, Replace R21, 22, 23, 24 with 2.5k

2: Q Amp 1/2 FET Pwr: Replace R16 with 1.2k, Replace R14 with 3.32k

3: Q Amp 1/2 FET Pwr: Replace R16 with 2.0k, Replace R14 with 3.24k. FET heater resistor R157 changed to 665 ohms.

FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Power Mod	DAC setup	Clamp HP Filter	AA Freq Slow Phys	Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
ZRTF-1.1	ZIP RTF	1						1	Fermilab(Scrapped for parts)	?	6	5	0		?	?	
ZRTF-1.2	ZIP RTF	1						2	SUF	?			100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.3	ZIP RTF	1						3	SUF	?			100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.4	ZIP RTF	1						4	SUF	?			100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.5	ZIP RTF	1						5	UC Berkeley	?			0		?	?	
ZRTF-1.6	ZIP RTF	1						6	SUF	?			100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.7	ZIP RTF	1						7	Case Western Reserve University	?			100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.8	ZIP RTF	1						8	Case Western Reserve University				100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.9	ZIP RTF	1						9	Case Western Reserve University				100		BDM	2/23/2001	Tested with all Modifications
ZRTF-1.10	ZIP RTF	1						10	SUF								
ZRTF-1.11	ZIP RTF	1						11	SUF								
ZRTF-1.12	ZIP RTF	1						12	UC Berkeley								
ZRTF-3.1	ZIP RTF	3	2/3/2003					1	Fermilab	APE		5/1/2002					
ZRTF-3.2	ZIP RTF	3.1	2/3/2003	3/6/2003				2	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.3	ZIP RTF	3.1	2/3/2003	3/6/2003				3	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.4	ZIP RTF	3.1	2/3/2003	3/6/2003				4	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.5	ZIP RTF	3.1	2/3/2003	3/6/2003				5	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.6	ZIP RTF	3.1	2/3/2003	3/6/2003				6	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.7	ZIP RTF	3.1	2/3/2003	3/6/2003				7	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.8	ZIP RTF	3.1	2/3/2003	3/6/2003				8	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.9	ZIP RTF	3.1	2/7/2003	3/6/2003				9	Fermilab	APE	8 on 6/15/02	7/2/2002					
ZRTF-3.10	ZIP RTF	3.1						10	University of California	APE							
ZRTF-3.11	ZIP RTF	3.1						11	University of California	APE							
ZRTF-3.12	ZIP RTF	3.1						12	University of California	APE							
ZRTF-3.13	ZIP RTF	3.1						13	University of California	APE							
ZRTF-3.14	ZIP RTF	3.1						14	University of California	APE							
ZRTF-3.15	ZIP RTF	3.1						15	University of California	APE							
ZRTF-3.16	ZIP RTF	3.1						16	University of California	APE							

FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Power Mod	DAC setup	Clamp HP Filter	AA Freq Slow Phys	Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
ZRTF-3.20	ZIP RTF	3.1	3/20/2003	3/6/2003	5/22/2003	6/4/2003	waj	20	Fermilab	APE		10/04/2002		OK	WJ	10/4/2002	
ZRTF-3.21	ZIP RTF	3.1						21	U of Santa Barbara	APE		10/04/2002		OK	WJ	10/4/2002	
ZRTF-3.22	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/3/2003	bdm	22	Fermilab	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.23	ZIP RTF	3.1	2/7/2003	3/10/2003	8/6/2003	6/4/2003	bdm	23	Soudan	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.24	ZIP RTF	3.1	2/7/2003	3/6/2003	7/16/2003	7/16/2003	bdm	24	Soudan	APE		10/04/2002		MISC	BM / PS	10/7/2002	DEAD DAC
ZRTF-3.25	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/4/2003	bdm	25	Soudan	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.26	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/24/2003	waj	26	Fermilab	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.27	ZIP RTF	3.1	2/7/2003	3/13/2003	5/27/2003	6/2/2003	waj	27	Soudan	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.28	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/24/2003	waj	28	Fermilab	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.29	ZIP RTF	3.1	3/20/2003	3/6/2003	7/16/2003	6/4/2003	bdm	29	Fermilab	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.30	ZIP RTF	3.1	2/7/2003					30	where?	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.31	ZIP RTF	3.1	3/20/2003	3/6/2003	5/27/2003	6/2/2003	waj	31	Soudan	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.32	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/3/2003	bdm	32	Fermilab	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.33	ZIP RTF	3.1	2/7/2003	3/13/2003	8/6/2003	6/4/2003	bdm	33	Soudan	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.34	ZIP RTF	3.1	2/7/2003	3/6/2003	5/22/2003	6/2/2003	bdm	34	Fermilab	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.35	ZIP RTF	3.1	3/20/2003	3/6/2003	7/16/2003	6/4/2003	bdm	35	Fermilab	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.36	ZIP RTF	3.1	3/20/2003	3/6/2003	5/22/2003	6/2/2003	waj	36	Soudan	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.37	ZIP RTF	3.1	3/20/2003	3/6/2003	5/22/2003	6/2/2003	waj	37	Fermilab	APE		10/04/2002		OK	BM / PS	10/7/2002	
ZRTF-3.38	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/3/2003	bdm	38	Soudan	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.39	ZIP RTF	3.1	2/7/2003	3/13/2003	5/22/2003	6/2/2003	waj	39	Soudan	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.40	ZIP RTF	3.1	3/20/2003	3/6/2003				40	where?	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.41	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/24/2003	waj	41	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.42	ZIP RTF	3.1	2/7/2003	3/13/2003	5/22/2003	6/2/2003	waj	42	Soudan	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.43	ZIP RTF	3.1	3/20/2003	3/6/2003	5/27/2003	6/2/2003	waj	43	Soudan	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.44	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/24/2003	waj	44	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.45	ZIP RTF	3.1	2/7/2003	3/13/2003	5/22/2003	6/2/2003	waj	45	Soudan	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.46	ZIP RTF	3.1	2/7/2003	3/13/2003	5/27/2003	6/3/2003	waj	46	Soudan	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.47	ZIP RTF	3.1	2/7/2003	3/6/2003	7/16/2003	6/24/2003	bdm	47	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.48	ZIP RTF	3.1	2/7/2003	3/13/2003	5/27/2003	6/3/2003	waj	48	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.49	ZIP RTF	3.1	2/7/2003	3/13/2003	7/16/2003	7/16/2003	bdm	49	Soudan	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.50	ZIP RTF	3.1	2/7/2003	3/6/2003			NO USE	50	PRETZEL BOARD	APE		10/04/2002		WARPED	BM / PS	10/8/2002	WARPED BOARD, NOT ABLE INSERT
ZRTF-3.51	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/24/2003	waj	51	Fermilab	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.52	ZIP RTF	3.1	3/20/2003	3/6/2003	5/27/2003	6/2/2003	waj	52	Soudan	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.53	ZIP RTF	3.1	3/20/2003	3/6/2003	5/27/2003	6/2/2003	waj	53	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.54	ZIP RTF	3.1	3/20/2003	3/6/2003	6/30/2003	6/4/2003	waj	54	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.55	ZIP RTF	3.1	3/20/2003	3/6/2003	6/30/2003	6/4/2003	waj	55	Fermilab	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.56	ZIP RTF	3.1	3/20/2003	3/6/2003	5/27/2003	6/2/2003	waj	56	Soudan	APE		10/04/2002		OK	BM / PS	10/8/2002	
ZRTF-3.57	ZIP RTF	3.1	3/20/2003	3/6/2003	7/16/2003	7/16/2003	bdm	57	Soudan	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.58	ZIP RTF	3.1	2/7/2003	3/13/2003	7/16/2003	6/4/2003	bdm	58	Soudan	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.59	ZIP RTF	3.1	3/20/2003	3/6/2003	6/30/2003	6/4/2003	bdm	59	Fermilab	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.60	ZIP RTF	3.1	2/7/2003	3/13/2003	7/16/2003	6/4/2003	waj	60	Fermilab	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.61	ZIP RTF	3.1	2/7/2003	3/13/2003	8/6/2003	6/4/2003	bdm	61	Soudan	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.62	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/30/2003	waj	62	Fermilab	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.63	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/4/2003	bdm	63	Fermilab	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.64	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/3/2003	bdm	64	Fermilab	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.65	ZIP RTF	3.1	2/7/2003	3/6/2003	6/30/2003	6/24/2003	waj	65	Fermilab	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.66	ZIP RTF	3.1	2/7/2003	3/10/2003	7/16/2003	6/3/2003	bdm	66	Case Western Reserve University	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.67	ZIP RTF	3.1	2/7/2003	3/6/2003	7/16/2003	6/24/2003	bdm	67	Fermilab	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.68	ZIP RTF	3.1	2/7/2003	3/13/2003	5/22/2003	6/2/2003	waj	68	Soudan	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.69	ZIP RTF	3.1	2/7/2003	3/13/2003	5/27/2003	6/2/2003	waj	69	Fermilab	APE		10/04/2002		OK	BM / PS	10/9/2002	
ZRTF-3.70	ZIP RTF	3.1	Warped board, will not install in crate				NO USE	70	Fermilab	APE		10/04/2002		WARP	BM / PS	10/9/2002	WARPED BOARD, NOT ABLE INSERT
ZRTF-3.71	ZIP RTF	3.1	2/7/2003	3/13/2003	8/6/2003	6/4/2003	bdm	71	Soudan	APE		10/04/2002		OK	BM / PS	10/10/2002	
ZRTF-3.72	ZIP RTF	3.1	2/7/2003	3/6/2003	7/16/2003	7/16/2003	bdm	72	Soudan	APE		10/04/2002		OK	BM / PS	10/9/2002	

Modification Notes:

1: Power Mods: Install 1k resistors on pin 11 of AD815 chips: Program Interface chip for dac setup and board power up.

2: DAC setup: Install resistor network of 10k and 1k from 15V to PFI input of Power Supervisor, connect PFI output(pin5) to MR input(pin 1) using a 475 ohm resistor.

Reprogram Interface chip so threshold DACs startup at 10V and Offset DAC startup at 0V. Limit range of Offset DAC to +/- 1.5V

3: Clamp and HP Filter. Install clamping diodes in Filtered Physics circuit.

Install High Pass filter at input of Charge Filtered Physics circuit

4: AA Frequency and Slow Physics input. Change the anti alias frequency resistors for a roll off frequency of 250kHz.

Remove the 100 ohm input resistors for the slow physics receiver circuits.

FEDUP : TYPE #6 Module			FEDUP	2								Peshik/Haldeman/Merkel					
FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Current Mod Level	Power Mod	DAC setup	FORNT PANEL	Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
FU-1.01	FEDUP Board	2						1	University of California (Berkeley)	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.02	FEDUP Board	2						1	Soudan	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.03	FEDUP Board	2						1	Soudan	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.04	FEDUP Board	2					6/12/2003	1	Fermilab	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.05	FEDUP Board	2					6/12/2003	1	Fermilab	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.06	FEDUP Board	2						1	Case Western U.	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.07	FEDUP Board	2						1	Case Western U.	Yolanda	8 02/2003		100		Burce	3/15/2003	
FU-1.08	FEDUP Board	2						1	University of California (Berkeley)	Yolanda	8 02/2003		100		Burce	3/15/2003	

FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Current Mod Level	Power Mod	DAC setup		Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
MC-1.1	Monitor Card	1						1	Fermilab	Lupe			100		Wayne J.	;	
MC-1.2	Monitor Card	1						2	(?) ?	Lupe			100		Wayne J.	;	
MC-2.1	Monitor Card	2						1	Case Western Reserve University	Mark			100		Mark	;	
MC-2.2	Monitor Card	2						2	Case Western Reserve University	Mark			100		Mark	;	
MC-2.3	Monitor Card	2						3	University of California (Berkeley)	Mark			100		Mark	;	
MC-2.4	Monitor Card	2						4	Fermilab	Mark			100		Mark	;	
MC-2.5	Monitor Card	2						5	Soudan	Mark			100		Mark	;	shipping 12/9/02
MC-2.6	Monitor Card	2						6	Fermilab	Mark			100		Mark	;	
MC-2.7	Monitor Card	2						7	Fermilab	Mark			100		Wayne J.	;	
MC-2.8	Monitor Card	2						8	Soudan	Mark			100		Mark	;	shipping 12/9/02
MC-2.9	Monitor Card	2						9	Fermilab	Mark			100		Mark	;	
MC-2.10	Monitor Card	2						10	(?) ?	Mark			100		Mark		
MC-3.1	Monitor Card	3						1	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.2	Monitor Card	3						2	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.3	Monitor Card	3						3	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.4	Monitor Card	3						4	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.5	Monitor Card	3						5	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.6	Monitor Card	3						6	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.7	Monitor Card	3						7	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.8	Monitor Card	3						8	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.9	Monitor Card	3						9	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.10	Monitor Card	3						10	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.11	Monitor Card	3						11	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.12	Monitor Card	3						12	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.13	Monitor Card	3						13	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.14	Monitor Card	3						14	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	
MC-3.15	Monitor Card	3						15	Fermilab	Carmen			100		Pravesh/ Bruce	10/04/2002	

FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Current Mod Level	Power Mod	DAC setup		Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
AUX-1.1	Auxiliary Card	1						1	University of California (Berkeley)	Lupe			100		Wayne J.	;	
AUX-1.2	Auxiliary Card	1						2	Fermilab	Lupe			100		Wayne J.	;	
AUX-2.1	Auxiliary Card	2						1	Fermilab	?			?		?	;	
AUX-2.2	Auxiliary Card	2						2	Fermilab	?			?		?	;	
AUX-2.3	Auxiliary Card	2						3	Fermilab	?			?		?	;	
AUX-2.4	Auxiliary Card	2						4	Fermilab	?			?		?	;	
AUX-2.5	Auxiliary Card	2						5	Fermilab	?			?		?	;	
AUX-2.6	Auxiliary Card	2						6	Case Western Reserve University	?			?		?	;	
AUX-2.7	Auxiliary Card	2						7	Fermilab	?			?		?	;	
AUX-2.8	Auxiliary Card	2						8	University of California (Berkeley)	?			?		?	;	
AUX-2.9	Auxiliary Card	2						9	Fermilab	?			?		?	;	
AUX-2.10	Auxiliary Card	2						10	Fermilab	?			?		?	;	
AUX-5.1	Auxiliary Card	3						1	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.2	Auxiliary Card	3						2	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.3	Auxiliary Card	3						3	Soudan	Carmen			100		Pravesh	09/24/2002	shipping 12/9/02
AUX-5.4	Auxiliary Card	3						4	Soudan	Carmen			100		Pravesh	09/24/2002	shipping 12/9/02
AUX-5.5	Auxiliary Card	3						5	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.6	Auxiliary Card	3						6	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.7	Auxiliary Card	3						7	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.8	Auxiliary Card	3						8	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.9	Auxiliary Card	3						9	Fermilab	Carmen			100		Pravesh	09/24/2002	
AUX-5.10	Auxiliary Card	3						10	Fermilab	Carmen			100		Pravesh	09/24/2002	

FNAL SERIAL #	EQUIPMENT NAME	VERSION #	Current Mod Level	Power Mod	DAC setup		Final Test certification	PIECE #	LOCATION	BUILT BY	Number & Date ORDERED	Number & Date RECEIVED	% Tested at FNAL	Mod Level Tested	TESTED BY	Test Date	COMMENTS
ISR-C.1	ISR Controller (3U)	C						1	Case Western Reserve University	;			100		;	7/10/1996	
ISR-D.2	ISR Controller (3U)	D						1	Fermilab	;			100		;	12/20/1996	
FSR-1.1	FSR Controller (9U)	1						1	University of California (Berkeley)	;			100		;	2/26/1997	
FSR-1.2	FSR Controller (9U)	1						2	University of California (Berkeley)	;			100		;	2/26/1997	
FSR-1.3	FSR Controller (9U)	1						3	(?) ?	Steve			100		;	2/26/1997	
FSR-1.4	FSR Controller (9U)	1						4	Fermilab	;			100		;	2/26/1997	
FSR-1.5	FSR Controller (9U)	1						5	University of California (Berkeley)	;			100		;	2/26/1997	
FSR-1.6	FSR Controller (9U)	1						6	University of California (Berkeley)	;			100		;	2/26/1997	
FSR-1.7	FSR Controller (9U)	1						7	Case Western Reserve University	;			100		;	2/26/1997	
FSR-1.8	FSR Controller (9U)	1						8	San Francisco State University	;			100		;	2/26/1997	
FSR-1.9	FSR Controller (9U)	1						9	Fermilab	;			90		;	2/26/1997	
FSR-1.10	FSR Controller (9U)	1						10	Fermilab	;			100		;	2/26/1997	
FSR-2.10	FSR Controller (9U)	2						10	Soudan	;			100		;	?	shipping 12/9/02
FSR-2.11	FSR Controller (9U)	2						11	Soudan	;			100		;	?	shipping 12/9/02
FSR-2.12	FSR Controller (9U)	2						12	University of California (Berkeley)	Yolanda			100		Steve E.	10/1/1999	
FSR-2.13	FSR Controller (9U)	2						13	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.14	FSR Controller (9U)	2						14	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.15	FSR Controller (9U)	2						15	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.16	FSR Controller (9U)	2						16	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.17	FSR Controller (9U)	2						17	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.18	FSR Controller (9U)	2						18	Case Western Reserve University	Yolanda			100		Steve E.	10/1/1999	
FSR-2.19	FSR Controller (9U)	2						19	Case Western Reserve University	Yolanda			100		Steve E.	10/1/1999	
FSR-2.20	FSR Controller (9U)	2						20	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.21	FSR Controller (9U)	2						21	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.22	FSR Controller (9U)	2						22	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.23	FSR Controller (9U)	2						23	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.24	FSR Controller (9U)	2						24	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.25	FSR Controller (9U)	2						25	Fermilab	Yolanda			100		Steve E.	10/1/1999	
FSR-2.26	FSR Controller (9U)	2						26	Fermilab	Yolanda			100		Steve E.	10/1/1999	

CRATES		MANUFACTURER															
10U		SERIAL #										WIENER	/Wiener Plein&B	3; Feb 19, 2001			
10U-1.1	10U CDMS Crate	0	ZIP					2299024	UCSB								
10U-1.2	10U CDMS Crate	0	RTF					2299026	UCSB								
10U-1.3	10U CDMS Crate	0	RTF					1299091	SOUDAN								
10U-1.4	10U CDMS Crate	0	ZIP					2299027	Fermilab								
10U-1.5	10U CDMS Crate	0	ZIP					2299019	SOUDAN								
10U-1.6	10U CDMS Crate	0	ZIP					2299017	SOUDAN								
10U-1.7	10U CDMS Crate	0	ZIP					2299020	SOUDAN								
10U-1.8	10U CDMS Crate	0	ZIP					2299022	SOUDAN								
10U-1.9	10U CDMS Crate	0	ZIP					2299016	Fermilab								
10U-1.10	10U CDMS Crate	0	RTF					2299025	SOUDAN								
10U-1.11	10U CDMS Crate	0	RTF					2299023	SOUDAN								
10U-1.12	10U CDMS Crate	0	RTF					2299018	SOUDAN								
10U-1.13	10U CDMS Crate	0	RTF					2299021	Fermilab								
BACKPLANES		IN CRATE															
ZIP & RTF 7U		#															
7U-1.1	7U ZIP& RTF Backplane	0						10U-1.1	UCSB								
7U-1.2	7U ZIP& RTF Backplane	0						10U-1.2	UCSB								
7U-1.3	7U ZIP& RTF Backplane	0						10U-1.3	Fermilab								
7U-1.4	7U ZIP& RTF Backplane	0						10U-1.4	Fermilab								
7U-1.5	7U ZIP& RTF Backplane	0						10U-1.5	Fermilab								
7U-1.6	7U ZIP& RTF Backplane	0						10U-1.6	Fermilab								
7U-1.7	7U ZIP& RTF Backplane	0						10U-1.7	SOUDAN								
7U-1.8	7U ZIP& RTF Backplane	0						10U-1.8	SOUDAN								
7U-1.9	7U ZIP& RTF Backplane	0						10U-1.9	Fermilab								
7U-1.10	7U ZIP& RTF Backplane	0						10U-1.10	SOUDAN								
7U-1.11	7U ZIP& RTF Backplane	0						10U-1.11	SOUDAN								
7U-1.12	7U ZIP& RTF Backplane	0						10U-1.12	Fermilab								
7U-1.13	7U ZIP& RTF Backplane	0						10U-1.13	Fermilab								
7U-1.14	7U ZIP& RTF Backplane	0							Fermilab								
7U-1.15	7U ZIP& RTF Backplane	0							Fermilab								
7U-1.16	7U ZIP& RTF Backplane	0							Fermilab								
BACKPLANES		IN CRATE															
ZIP-RTF 3U		#															
3UR-1.1	3U ZIP-RTF Backplane	0						10U-1.2	UCSB								
3UR-1.2	3U ZIP-RTF Backplane	0						10U-1.3	Fermilab								
3UR-1.3	3U ZIP-RTF Backplane	0						10U-1.10	SOUDAN								
3UR-1.4	3U ZIP-RTF Backplane	0						BAD(10U-1.1	SOUDAN								
3UR-1.5	3U ZIP-RTF Backplane	0						10U-1.12	Fermilab								
3UR-1.6	3U ZIP-RTF Backplane	0						10U-1.13	Fermilab								
3UR-1.7	3U ZIP-RTF Backplane	0						10U-1.11	SOUDAN								
BACKPLANES		IN CRATE															
ZIP 3U (Solid Brass)		#											Haldeman				
3UZ-1.1	3U ZIP Backplane	0						10U-1.1	UCSB								
3UZ-1.2	3U ZIP Backplane	0						10U-1.4	Fermilab								
3UZ-1.3	3U ZIP Backplane	0						10U-1.5	Fermilab								
3UZ-1.4	3U ZIP Backplane	0						10U-1.6	Fermilab								
3UZ-1.5	3U ZIP Backplane	0						10U-1.7	Fermilab								
3UZ-1.6	3U ZIP Backplane	0						10U-1.8	SOUDAN								
3UZ-1.7	3U ZIP Backplane	0						10U-1.9	SOUDAN								
POWER SUPPLY; Version 2													Haldeman/Morris	16	16	15	
PS-2.1	CDMS Power Supply	2	2.1					1	SOUDAN				100	2.1	Morrison/Seria	4/23/2002	shipping to soudan 12/9/02
PS-2.2	CDMS Power Supply	2	2.1					2	Fermilab				100	2.1	Morrison/Seria	10/2/2002	Purchased for Sudan (experiment)
PS-2.3	CDMS Power Supply	2	2.1					3	Fermilab				100	2.1	Morrison/Seria	4/15/2002	Purchased for Sudan (experiment)
PS-2.4	CDMS Power Supply	2	2.1					4	SOUDAN				100	2.1	MorrisonSeria	4/30/2002	Purchased for Sudan (experiment)
PS-2.5	CDMS Power Supply	2	2.1					5	Fermilab				100	2.1	Saria/Cantzler	7/24/2001	Purchased for Sudan (experiment)
PS-2.6	CDMS Power Supply	2	2.1					6	Fermilab				100	2.1	MorrisonSeria	5/2/2002	Purchased for Sudan (experiment)
PS-2.7	CDMS Power Supply	2	2.1					7	SOUDAN				100	2.1	MorrisonSeria	5/6/2002	Purchased for Sudan (experiment)
PS-2.8	CDMS Power Supply	2	2.1					8	SOUDAN				100	2.1	Morrison/Seria	4/15/2002	Purchased for Sudan (experiment)
PS-2.9	CDMS Power Supply	2	2.1					9	SOUDAN				100	2.1	Morrison/Seria	4/23/2002	Purchased for Sudan (spare)
PS-2.10	CDMS Power Supply	2	2.1					10	SOUDAN				100	2.1	Morrison/Seria	8/1/2001	Purchased for Sudan (spare)
PS-2.11	CDMS Power Supply	2	2.1					11	UCSB						Morrison/Seria		Purchased for SUF (testing)
PS-2.12	CDMS Power Supply	2	0					12	Fermilab								needs parts and needs upgrade
PS-2.13	CDMS Power Supply	2	2.1					13	UCSB						Morrison/Seria		Purchased for SUF (testing)
PS-2.14	CDMS Power Supply	2	2.1					14	Fermilab				100	2.1	Morrison/Seria	4/18/2002	Purchased for SUF (testing)
PS-2.15	CDMS Power Supply	2	2.1					15	Fermilab				100	2.1	Morrison/Seria	4/15/2002	Purchased for SUF (spare)
PS-2.16	CDMS Power Supply	2	0					16	not built								Purchased for FNAL (Testing)