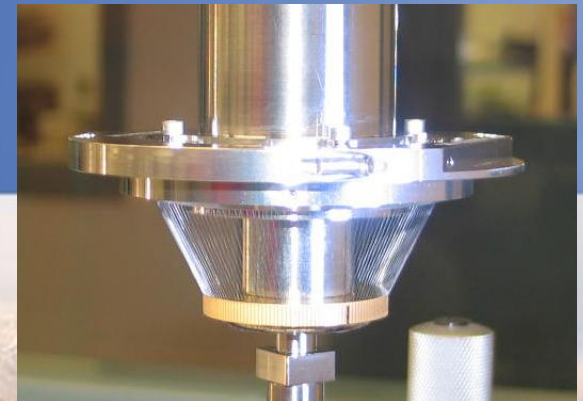
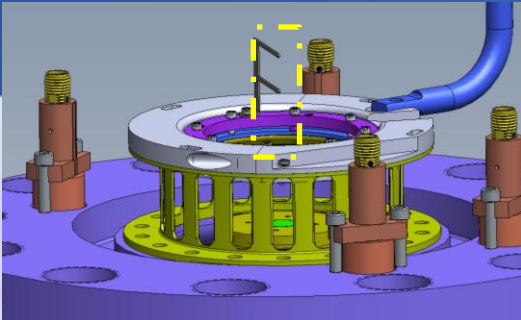
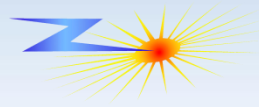


A0133: JetPAC 1 Summary





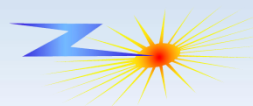
Overview

These slides summarize data from JetPAC 1 series – Z2150-Z2152.

Varying levels of analysis have been done on the data

Data in the format included here, along with raw data and further analysis on the data will be sent to the JetPAC collaboration

- **Array setups**
- **Useful film/image plate data**
- **Semi-analyzed waveform data**
- **Hardware setup images**
- **Lots of waveform data**

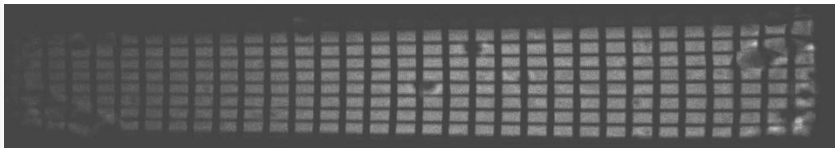
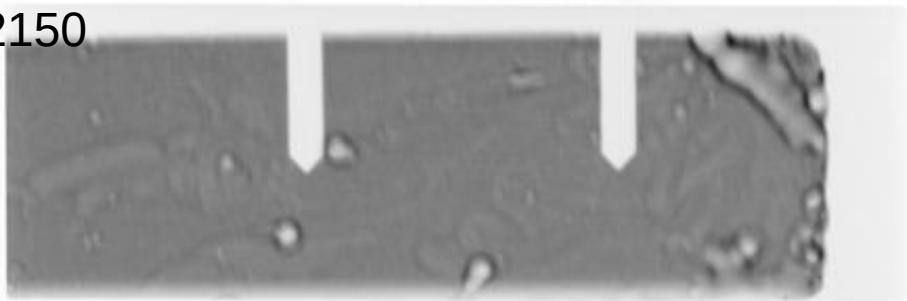


Array setups for JetPAC 1 series

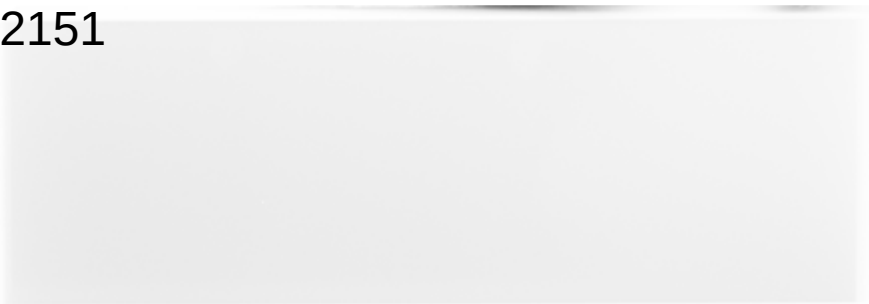
Shot Order	Hardware SAF ID	Descrip-tion	Array	Wire	Notes	PDV	STATUS	Anode Identifier	Cathode Identifier	Upper Post	Lower Post	M.A.	L.C.	L.A.	Z shot #	Debris Inhibitor	Gold on Anode	Gold on Cathode
1	A0133-A	JETPAC Weightless	148 Wires	50.81u W	See Status	Assy #3 used	New Build with unused Hardware. DO NOT CUT WEIGHTS OFF WIRES UNTIL CONFIRMATION OF P.I.	100910M01	100902M01	SS 0.625"	Standard	A.W.	Two Piece	A.W.	2150	Long, P650-0007-000	Power Flow	Bump Only
2	A0133-B	JETPAC Weightless	148 Wires	50.81u W	Wires were changed to 148 from 74	Assy #4 used	New Build with unused Hardware. DO NOT CUT WEIGHTS OFF WIRES UNTIL CONFIRMATION OF P.I.	100910M02	100902M02	SS 0.625"	Standard	A.W.	Two Piece	A.W.	2151	Long, P650-0007-000	Power Flow	Bump Only
3	A0133-C	JETPAC Weightless	148 Wires	50.81u W	Need wires on hand to possibly create full array based on 1st shot results.	Assy #2 used	New Build, Dissassemble Old Array after first two are assembled. DO NOT CUT WEIGHTS OFF WIRES UNTIL CONFIRMATION OF P.I.	100910M03	100902M03	SS 0.625"	Standard	A.W.	Two Piece	A.W.	2152	Long, P650-0007-000	Power Flow	Bump Only

★ ZBL images, crystal pre-shots, timing and energy ⚡

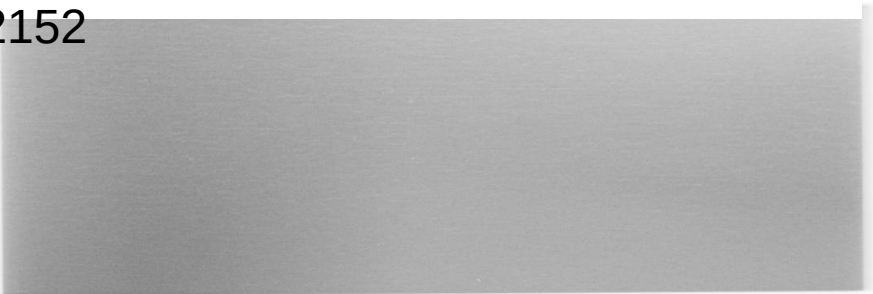
Z2150



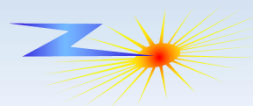
Z2151



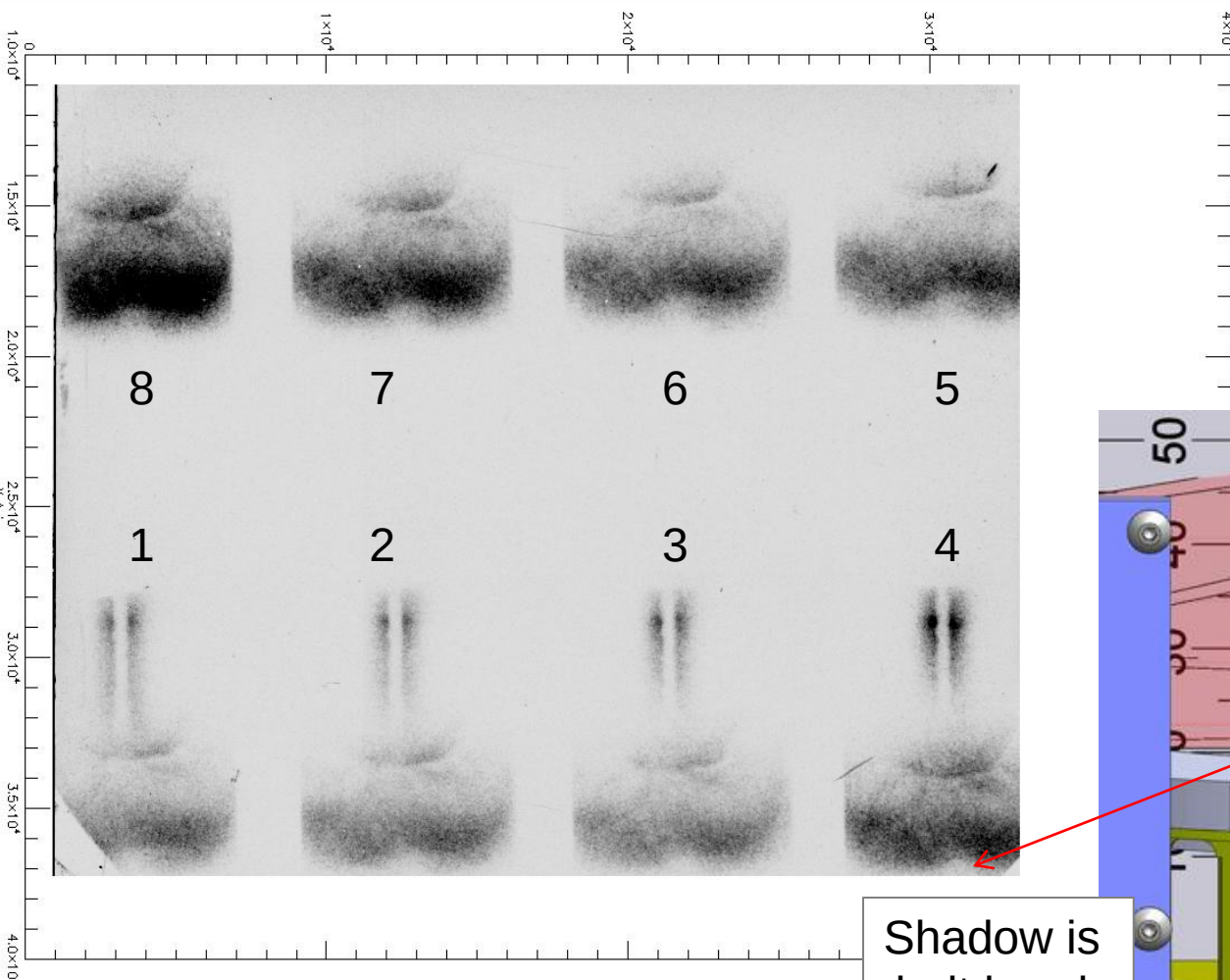
Z2152



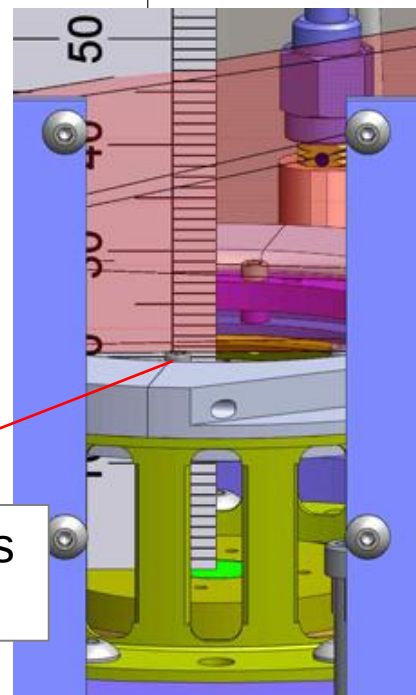
Experiment	Shot Numbers		Energy (J)	Timing (ns)		Successful	
	Z#	ZBL#	Main	time	error	Images	Notes
JetPAC A0133A	2150	B11011105	1365	3175.65	0.65	Y	
JetPAC A0133B	2151	B11011202	1662	3309.6	-0.4	N	3
JetPAC A0133C	2152	B11011402	1751	3290.6	0.6	N	4



MLMC data: Z2151

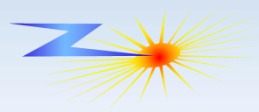


MLMC ch1	3286.100
MLMC ch2	3289.035
MLMC ch3	3291.870
MLMC ch4	3294.830
MLMC ch5	3292.260
MLMC ch6	3295.100
MLMC ch7	3297.960
MLMC ch8	3300.950

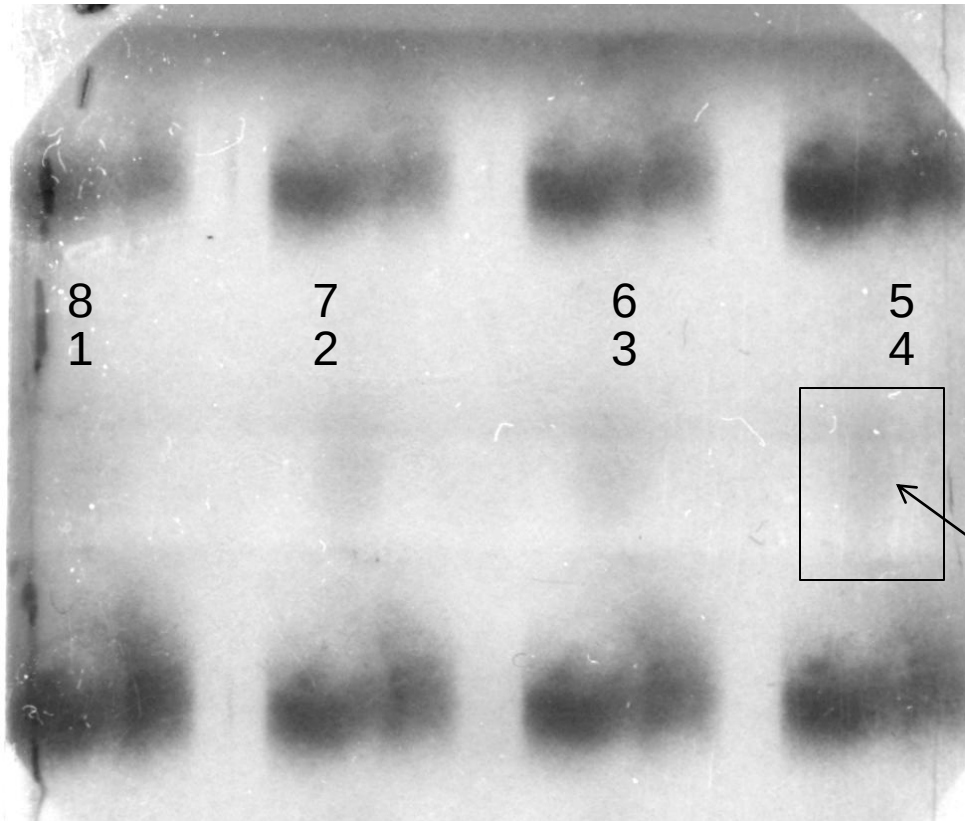


Shadow is
bolt head

Magnification (x0.5) not accounted for on axes



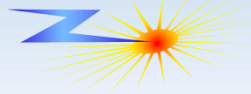
Z2152 MLMC data



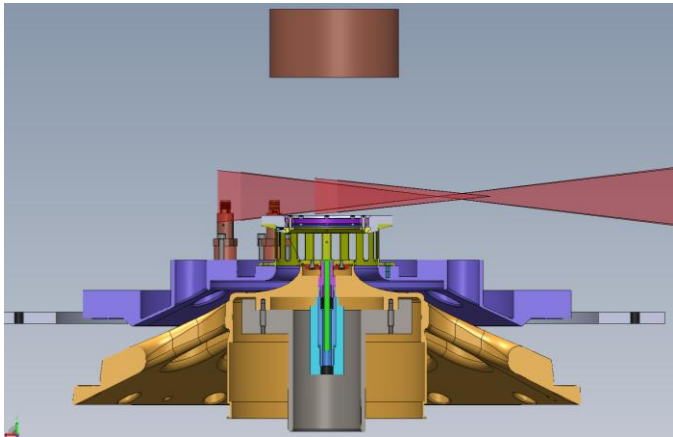
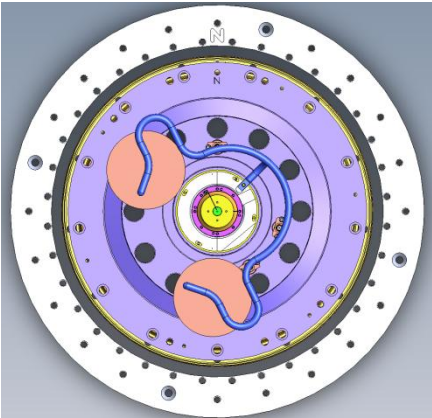
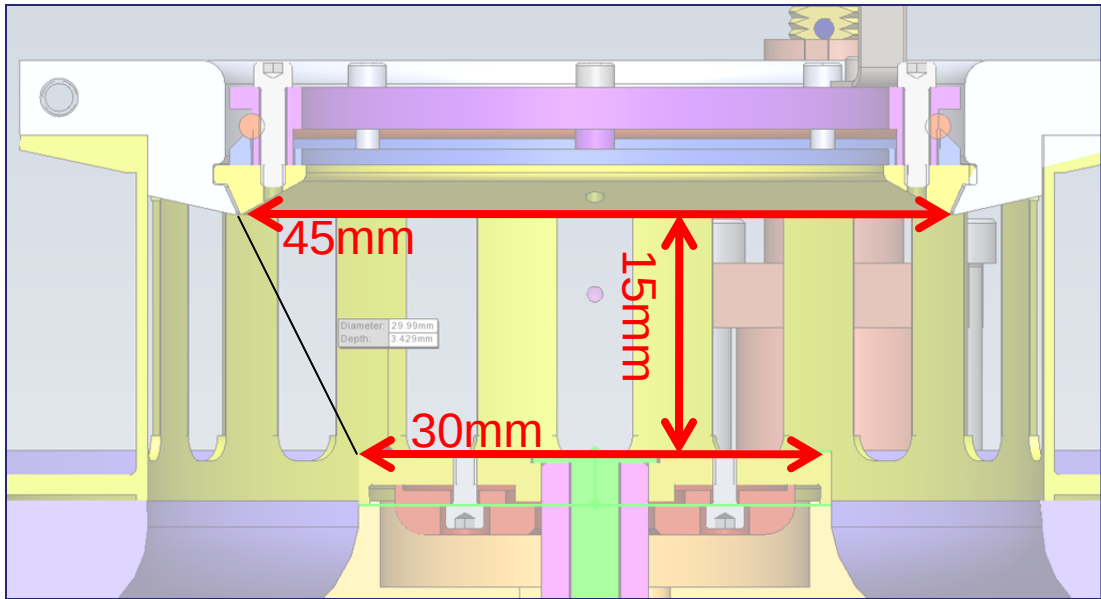
MLMC ch1	3281.300
MLMC ch2	3284.235
MLMC ch3	3287.070
MLMC ch4	3290.030
MLMC ch5	3293.160
MLMC ch6	3296.000
MLMC ch7	3298.860
MLMC ch8	3301.850

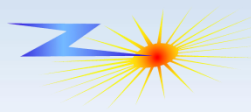
Some indication of jet, but
less convincing than Z2151

From quick-scan image

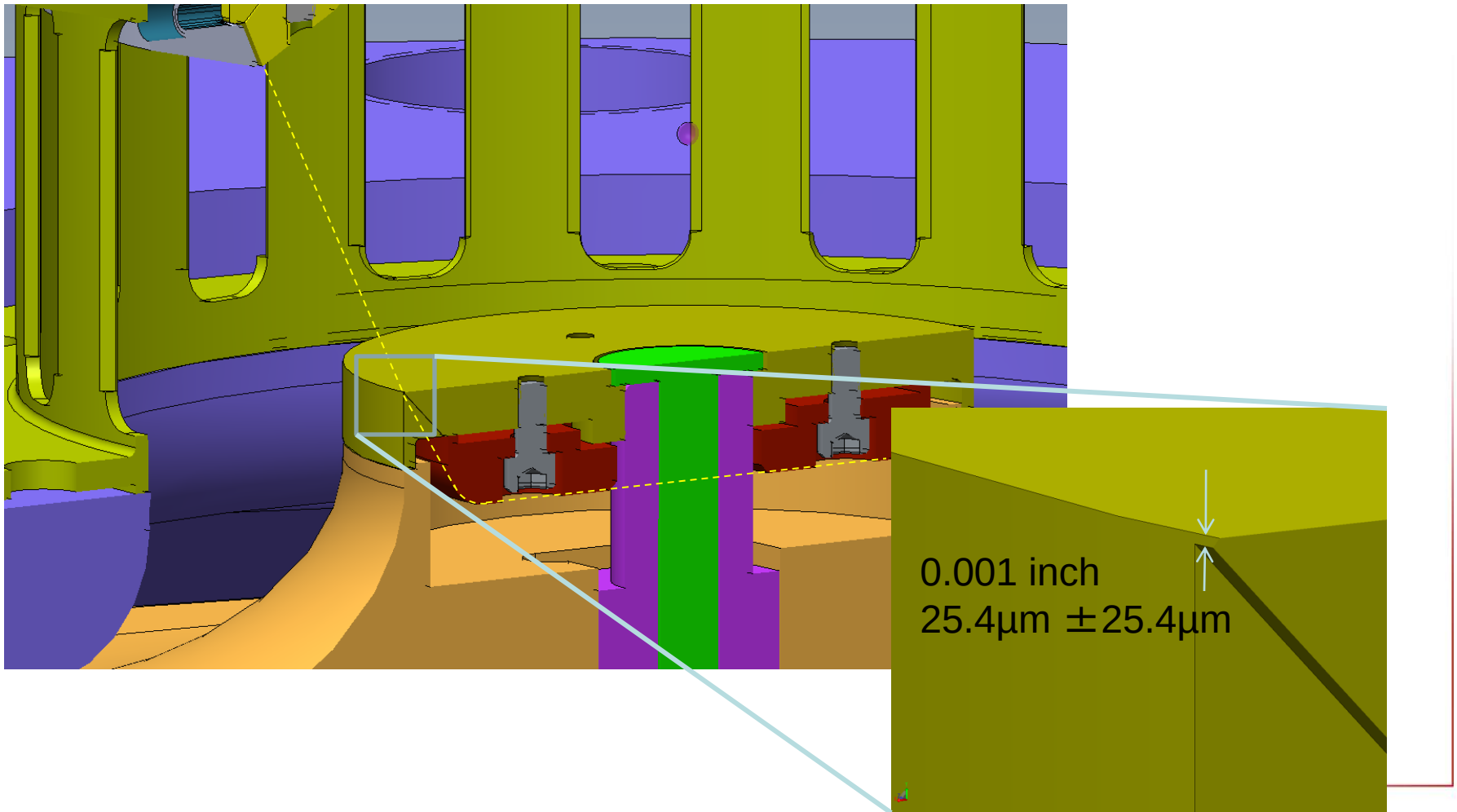


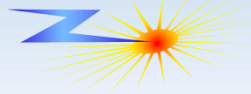
Hardware Overview



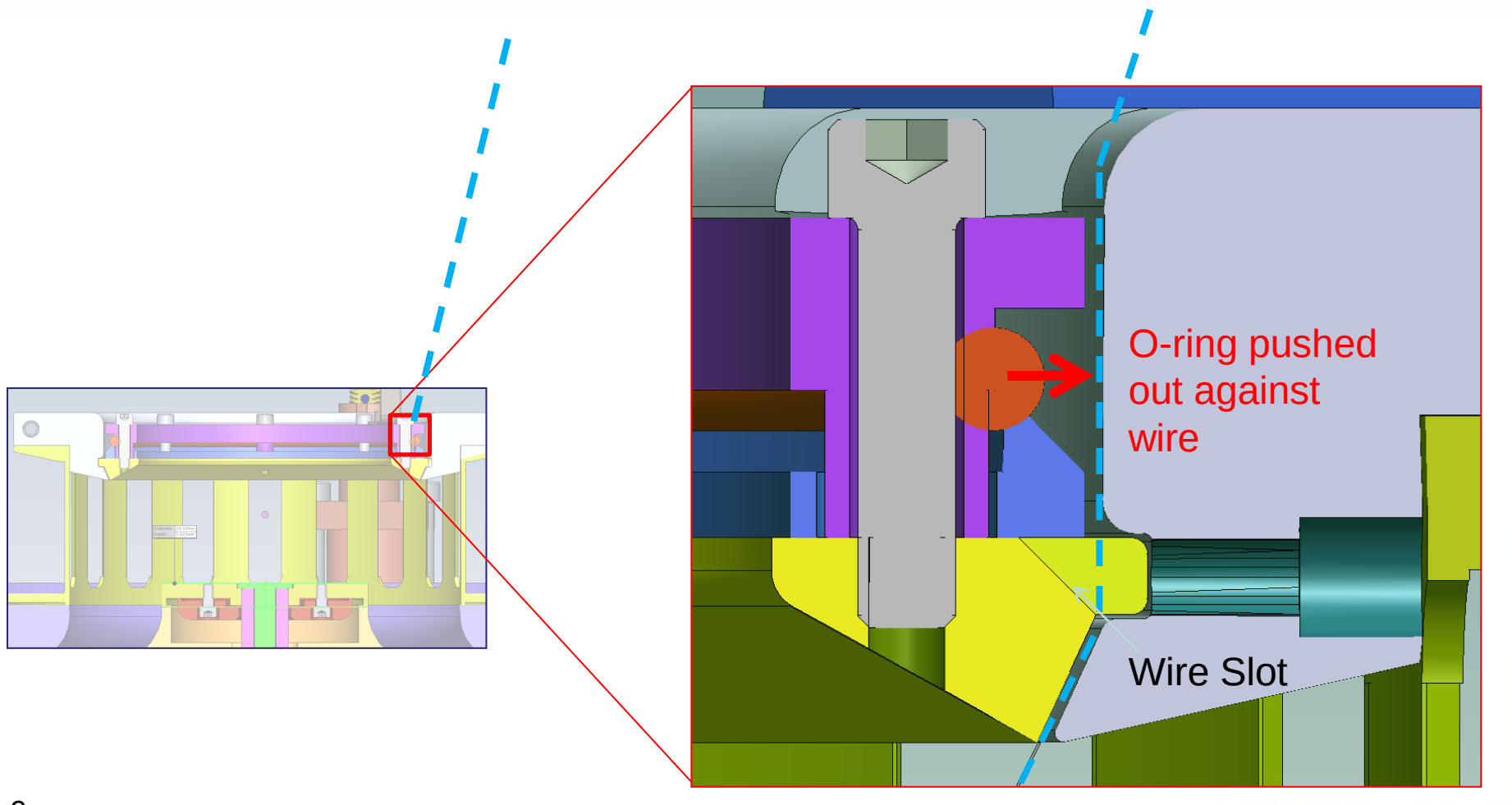


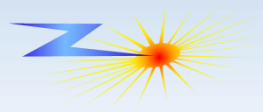
Cathode wire contact





Anode wire contact



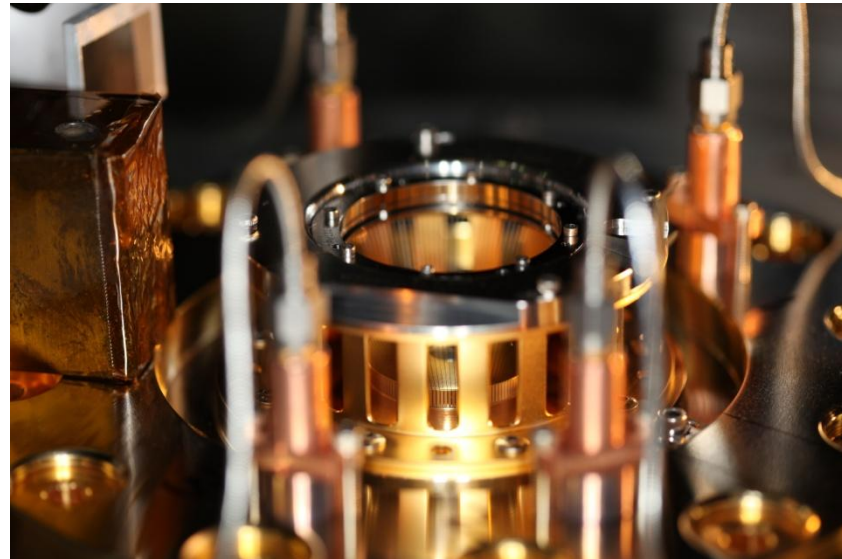


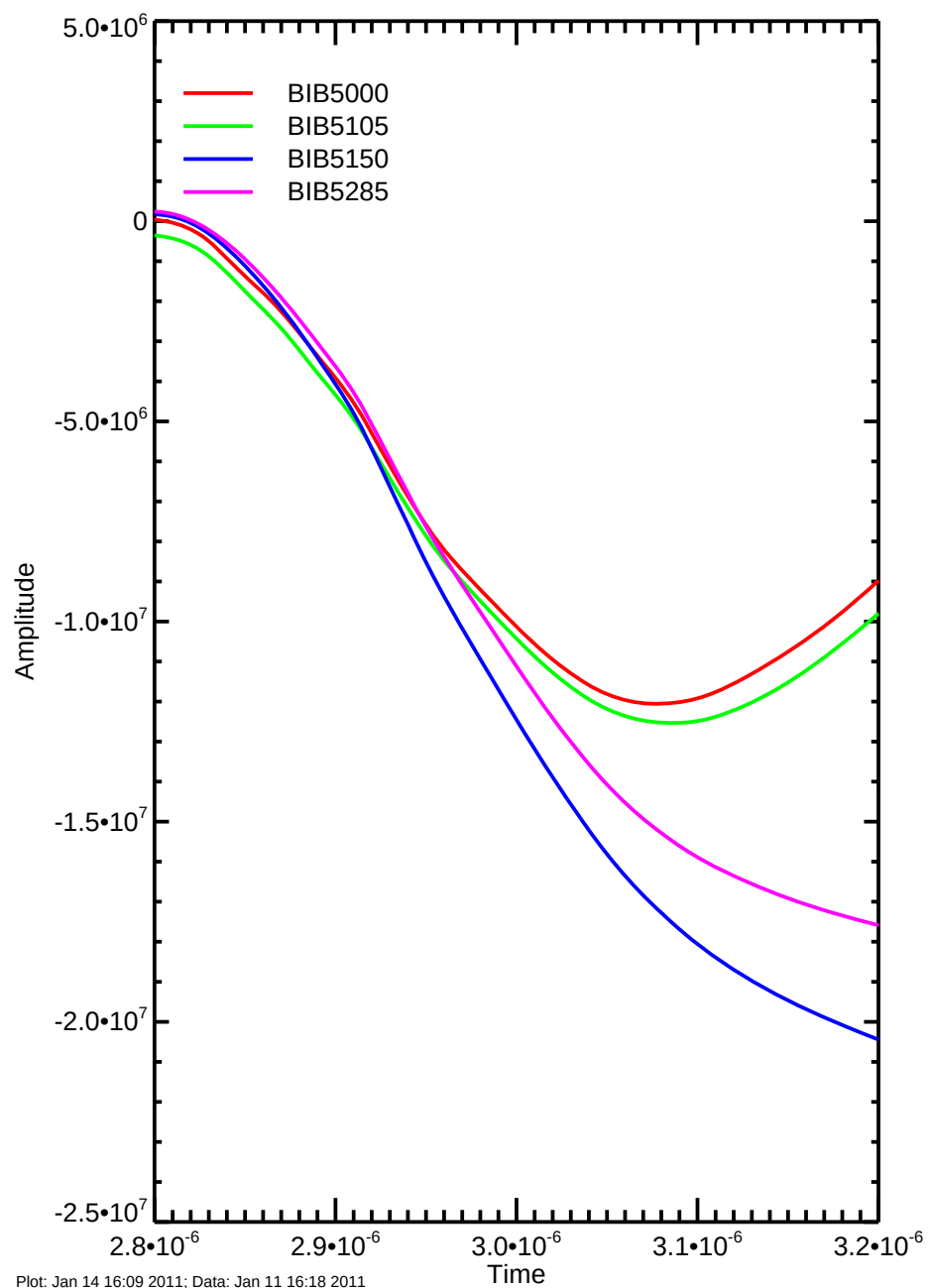
Useful photos

Z2152 ZBL optical alignment

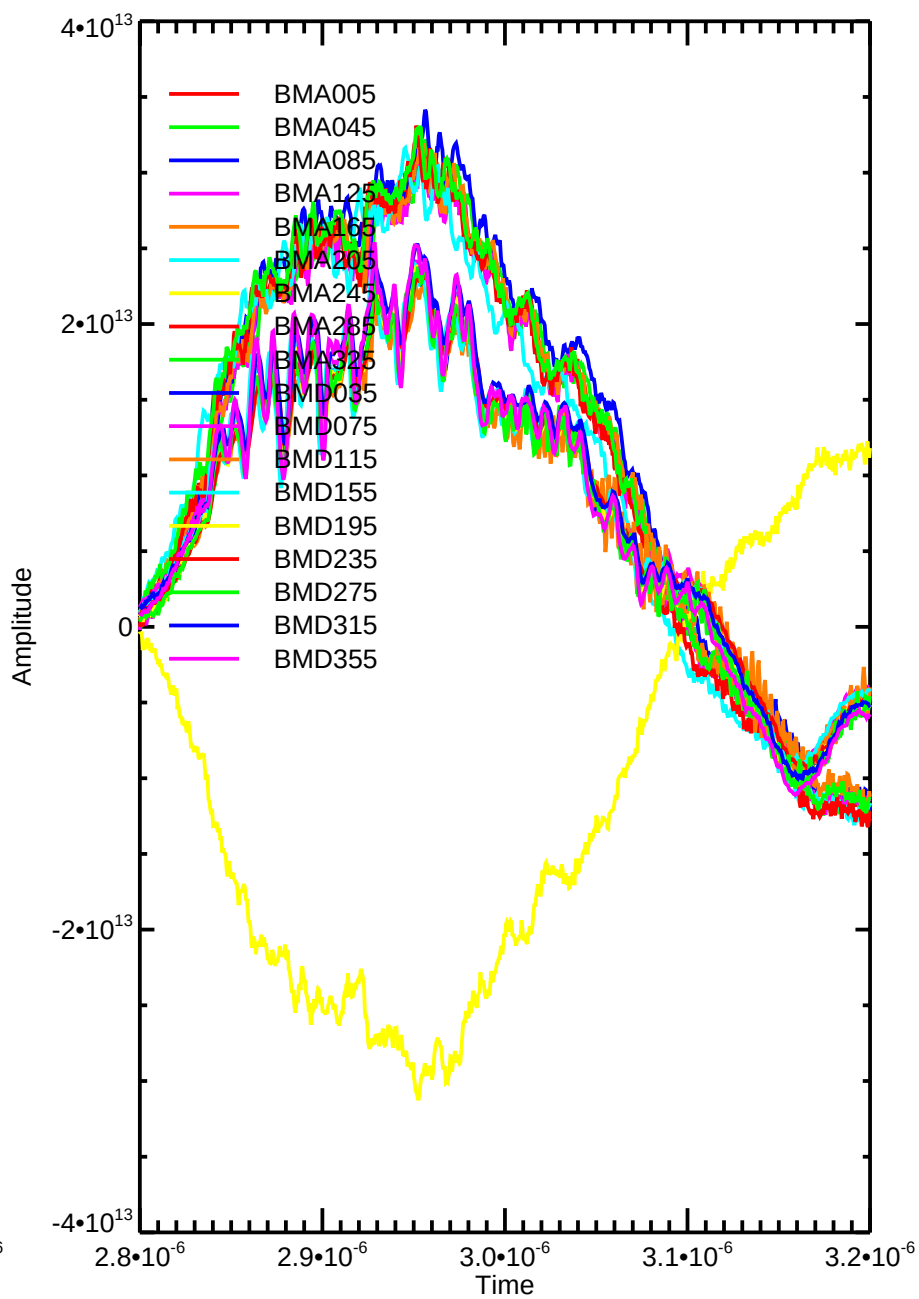


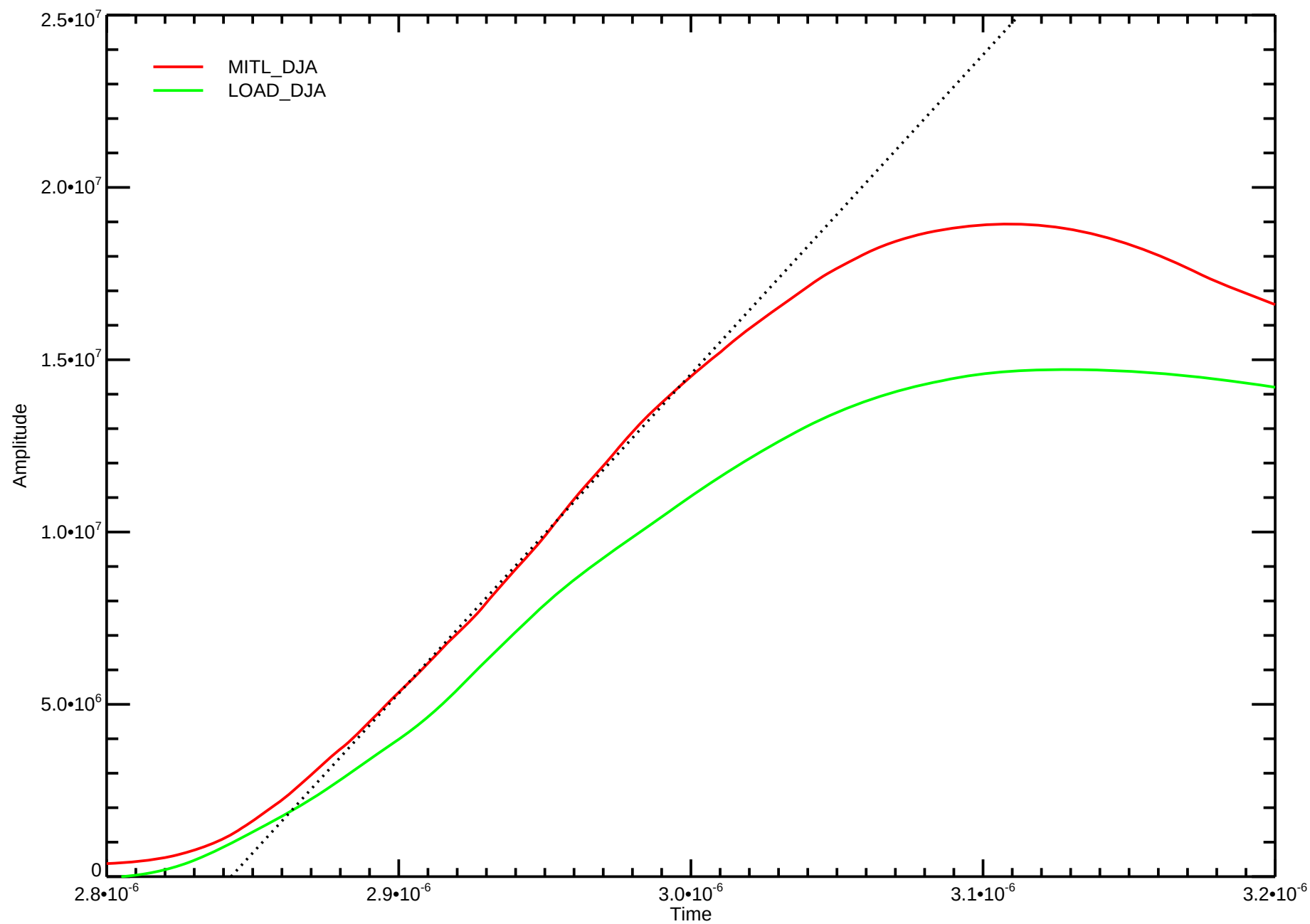
Installed wire array

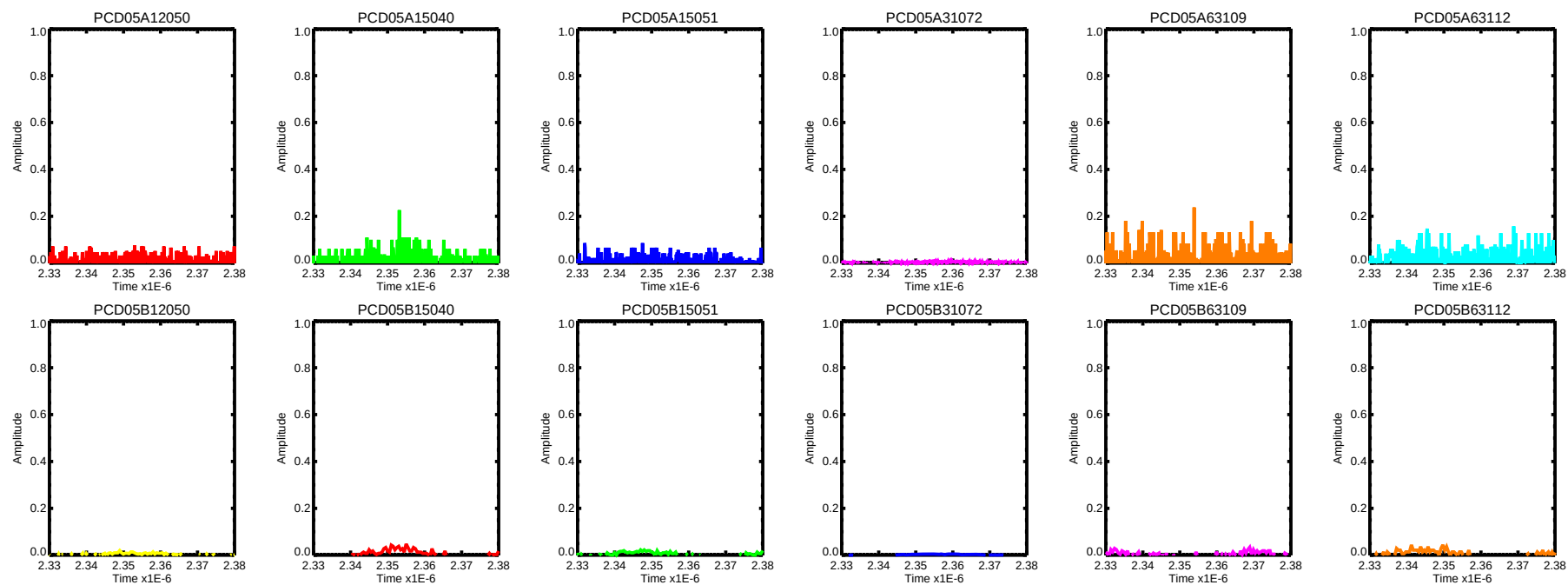


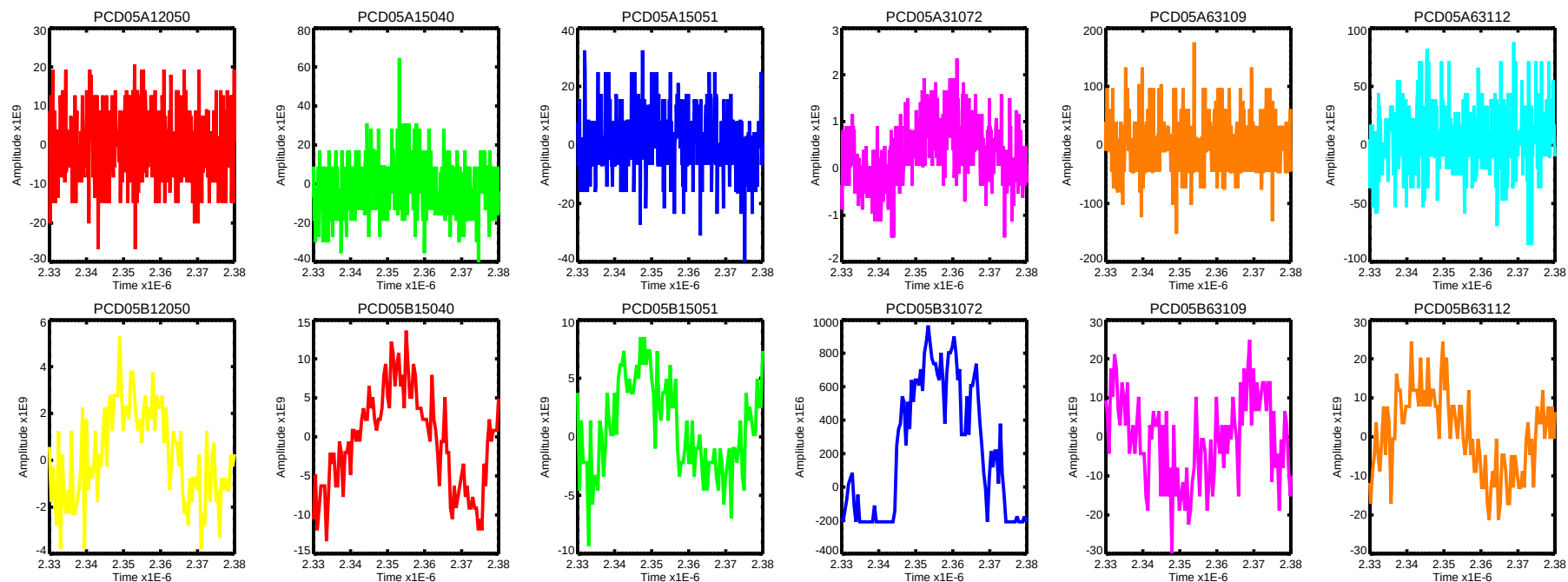


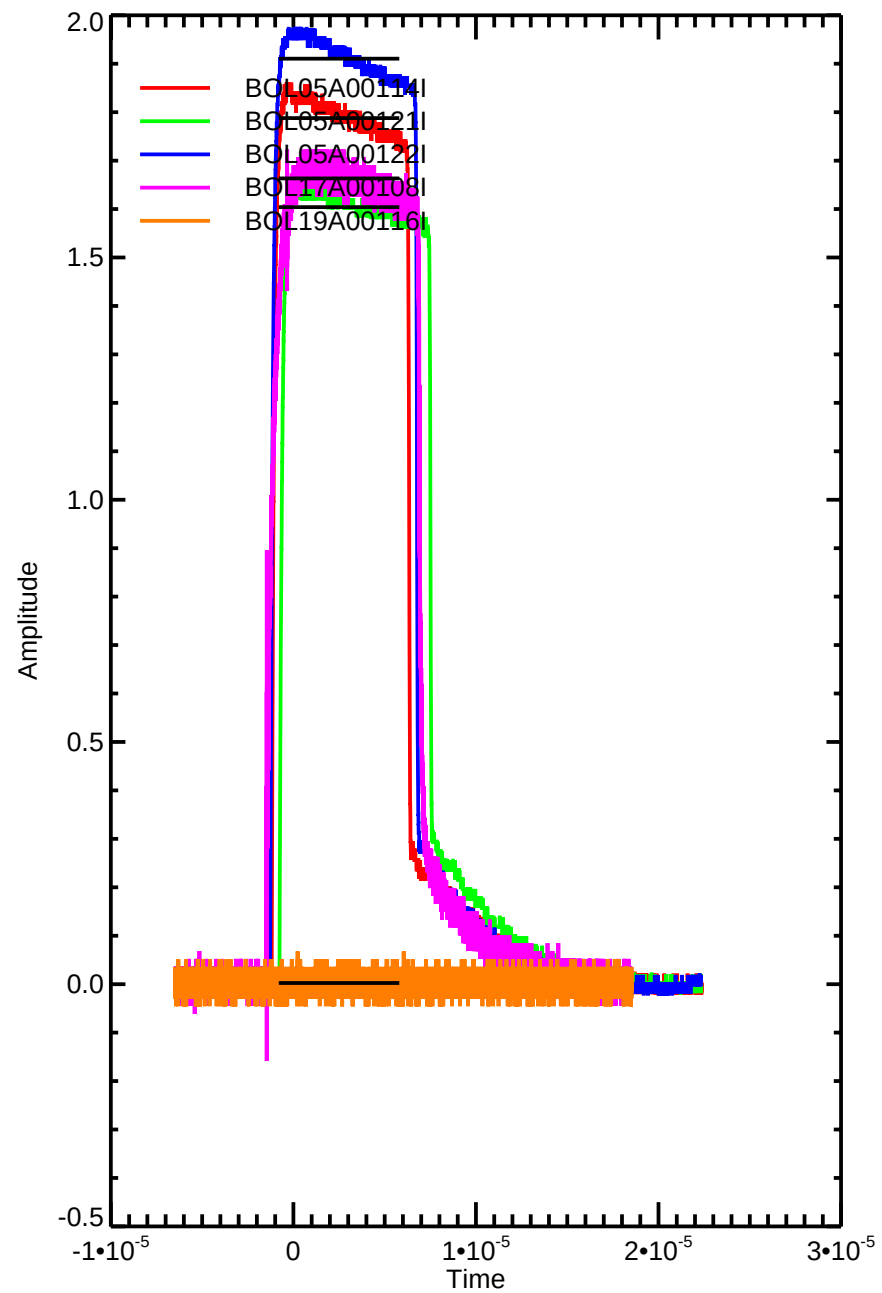
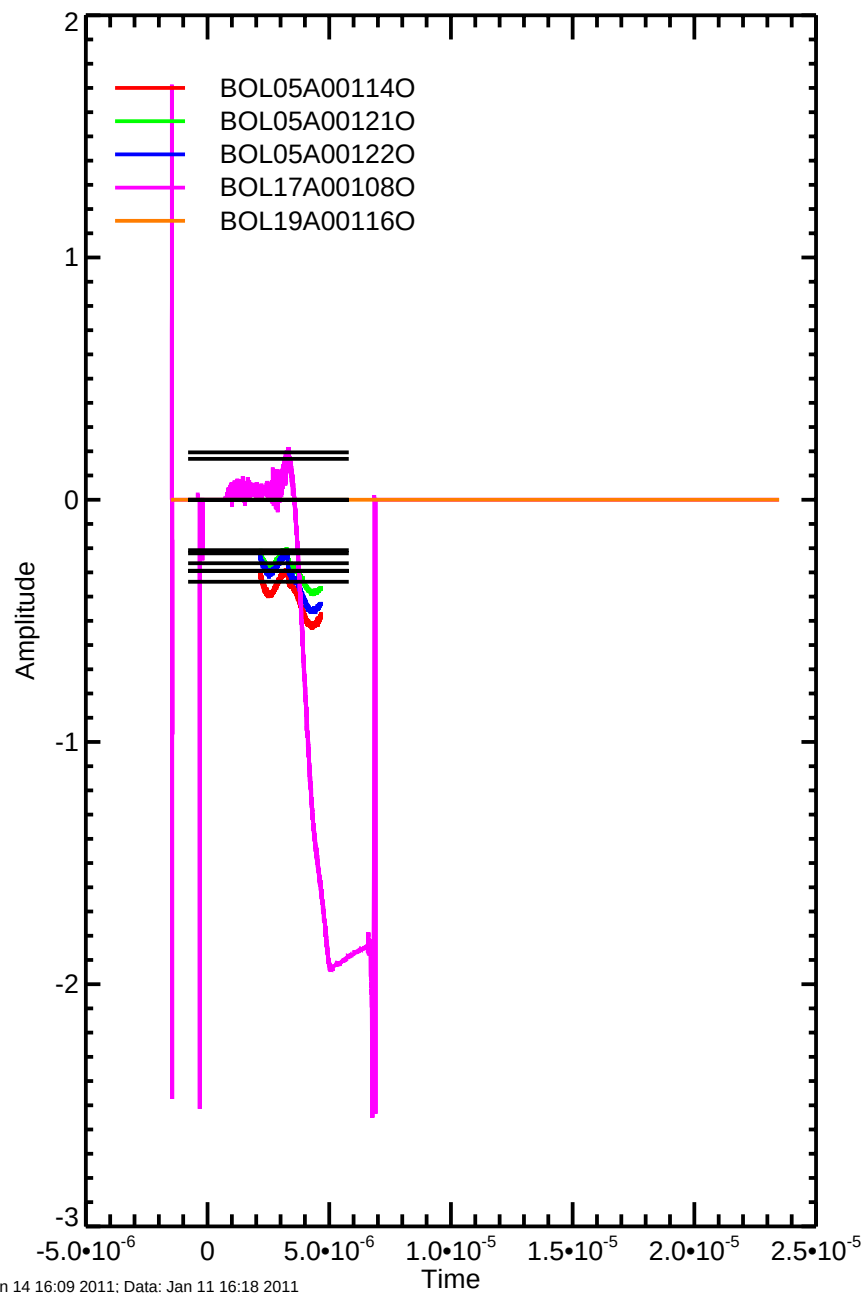
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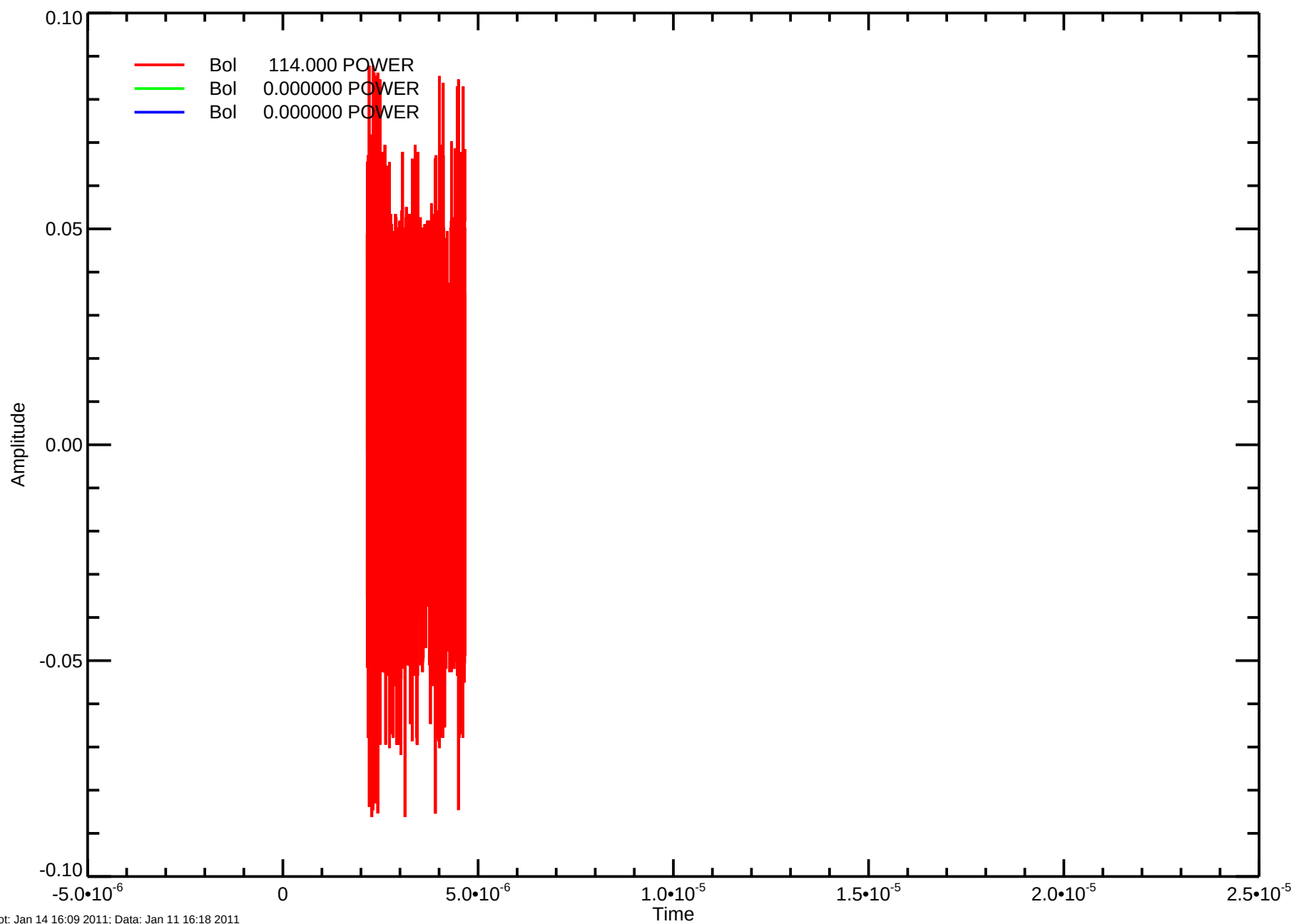




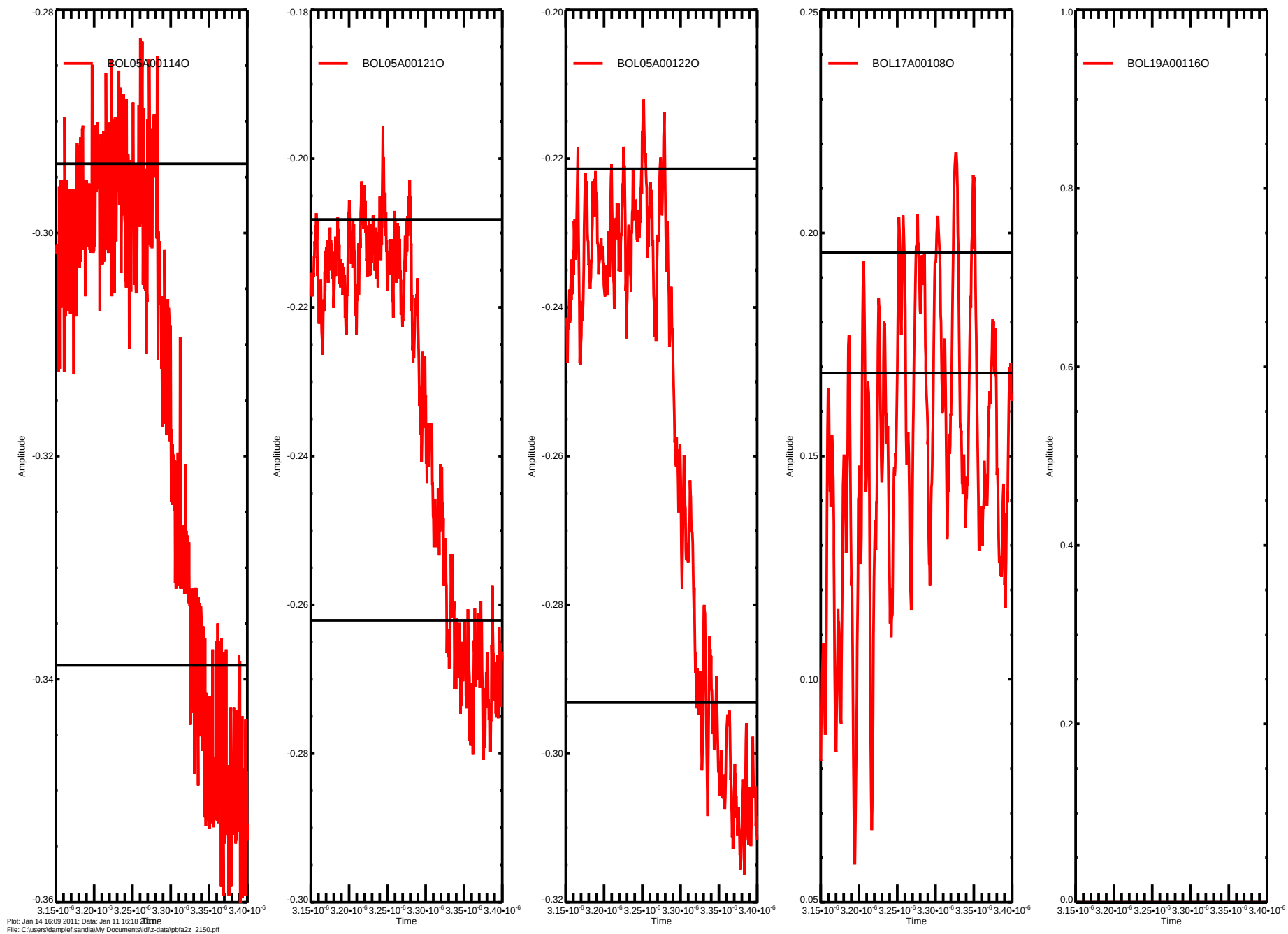


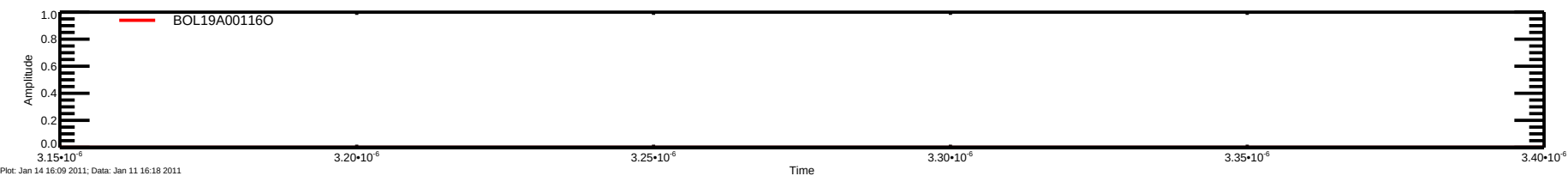
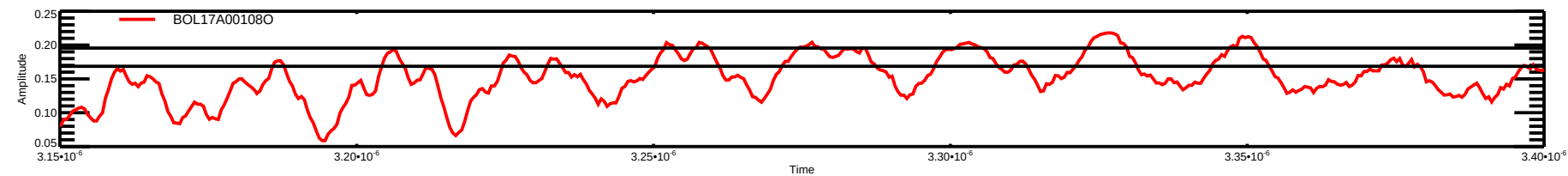
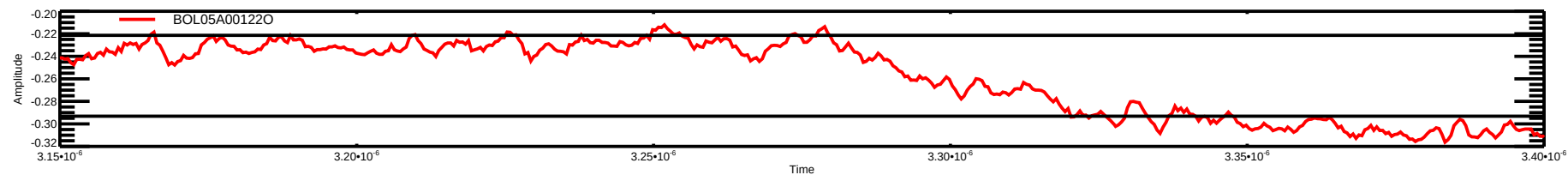
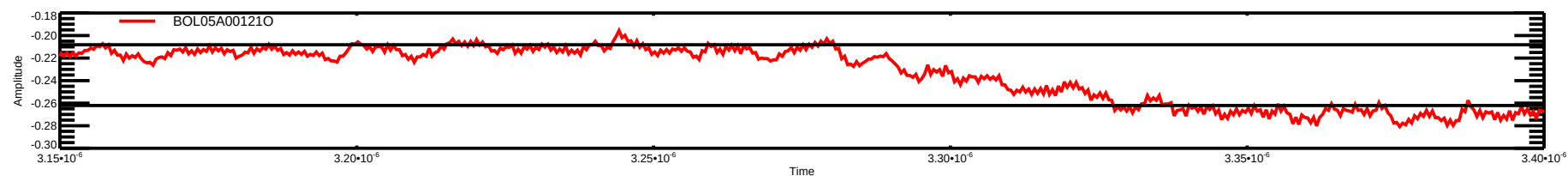
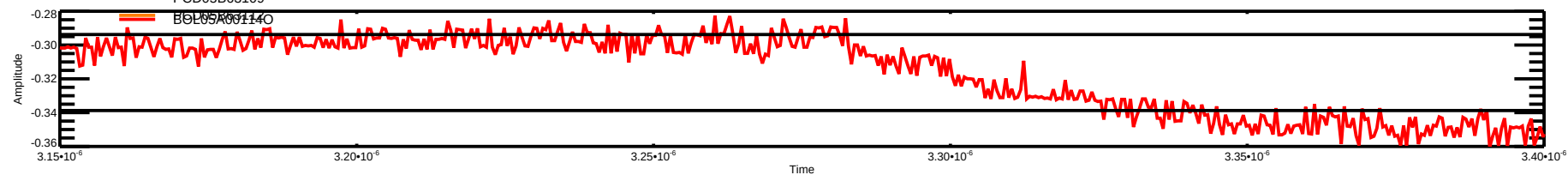
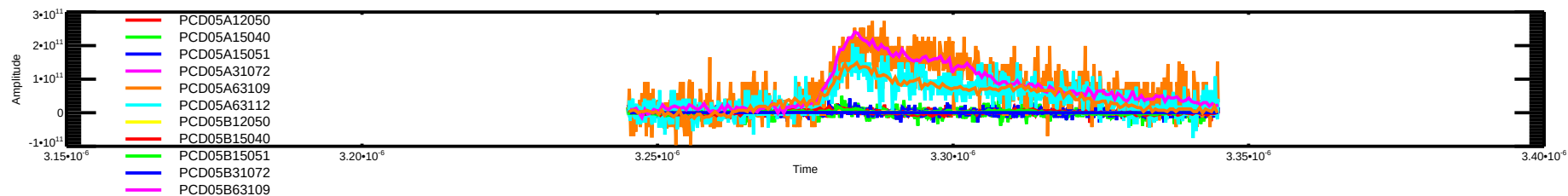


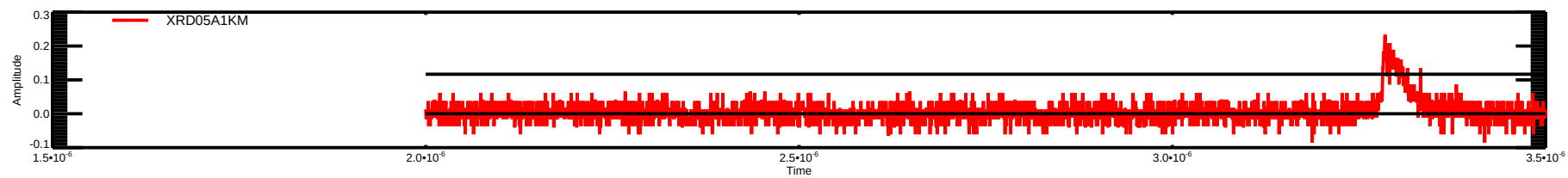


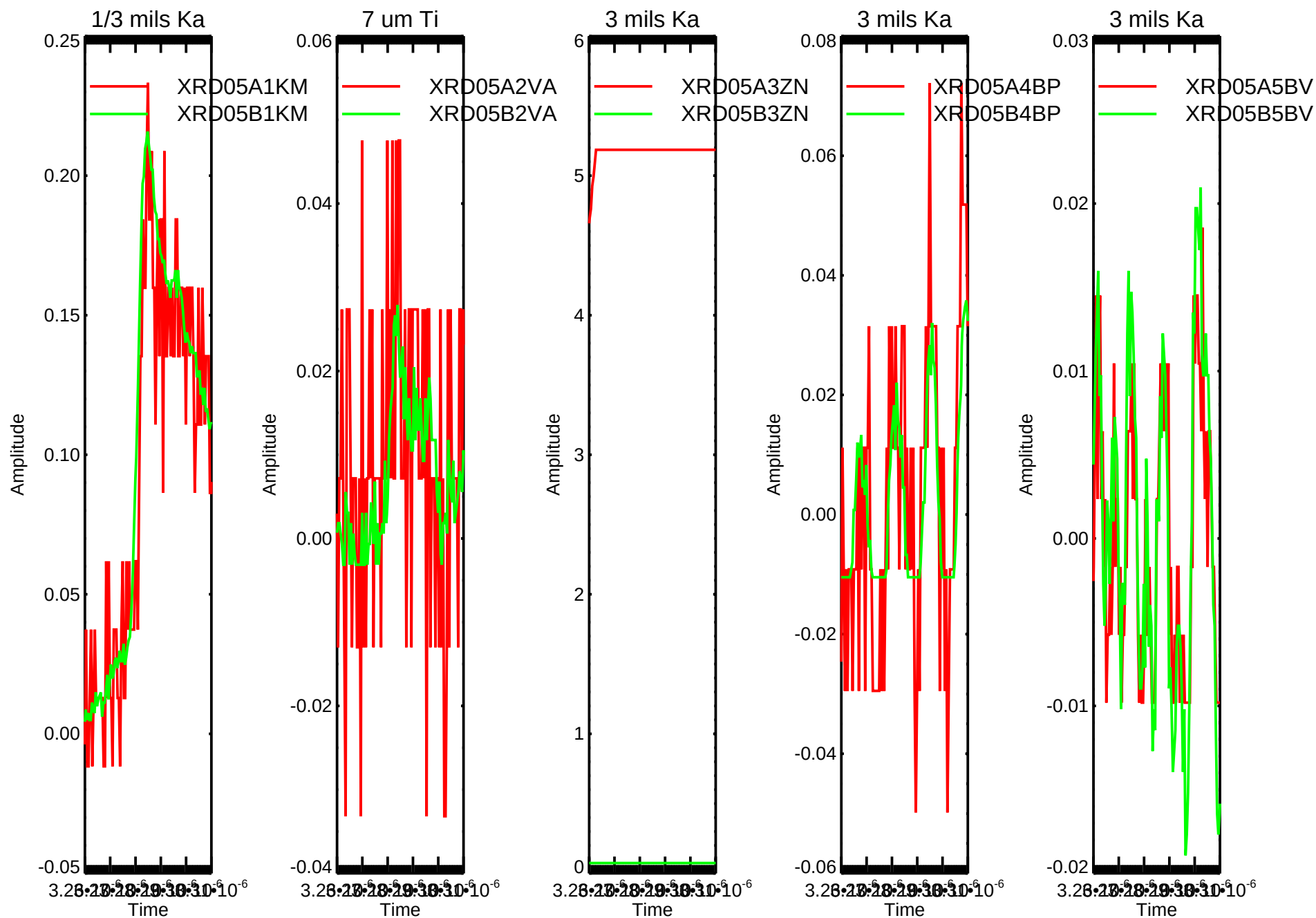


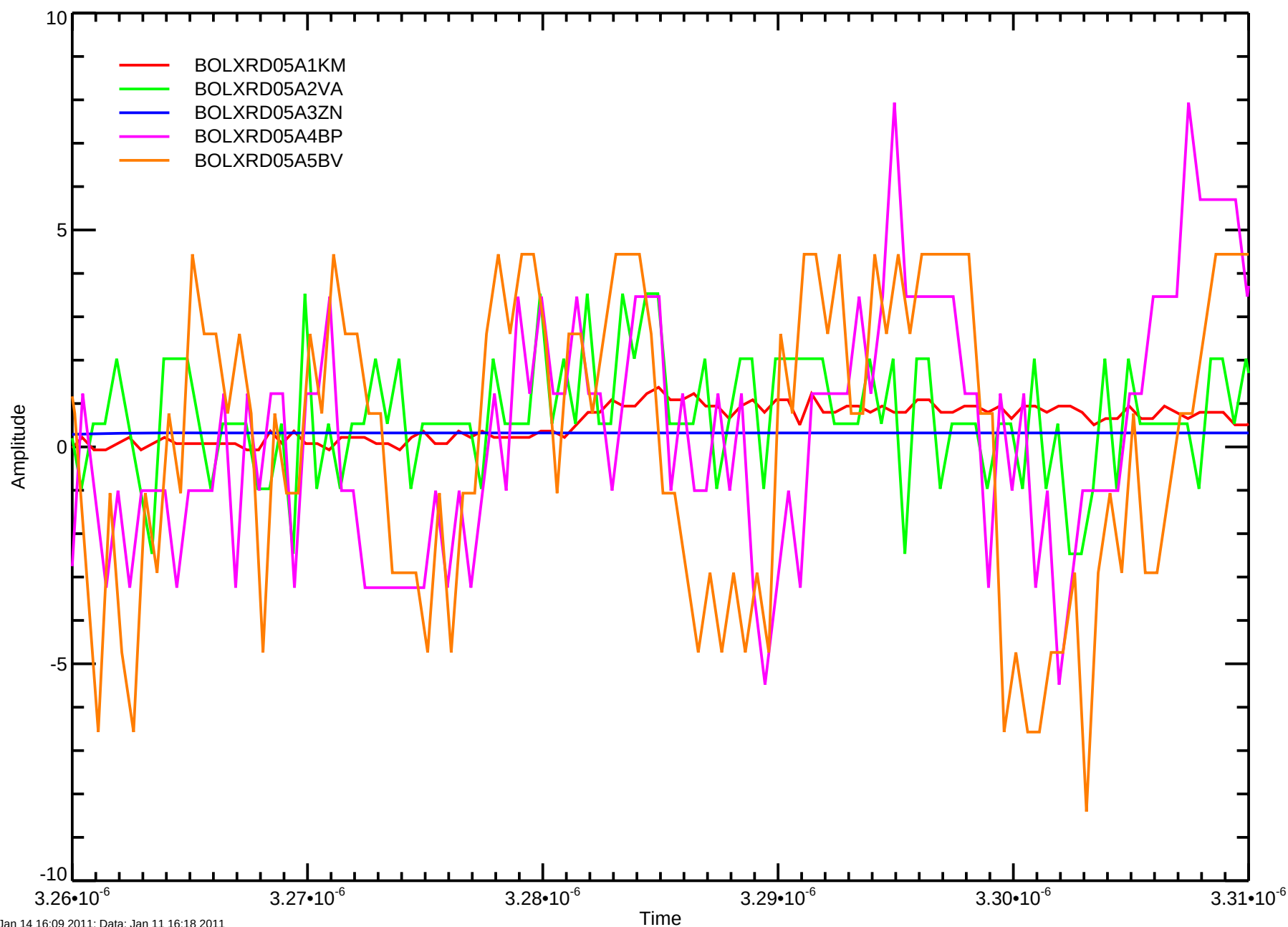
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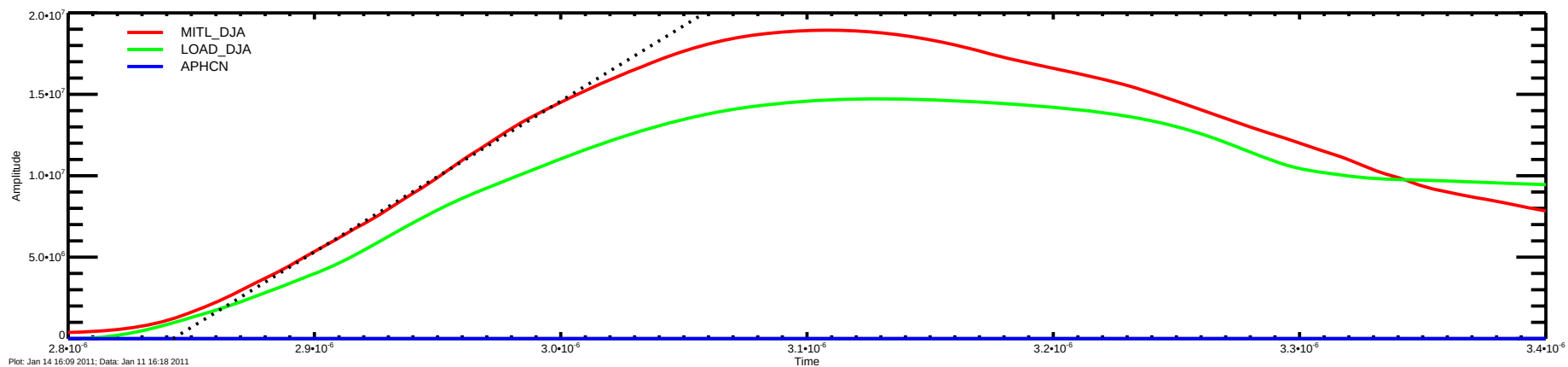
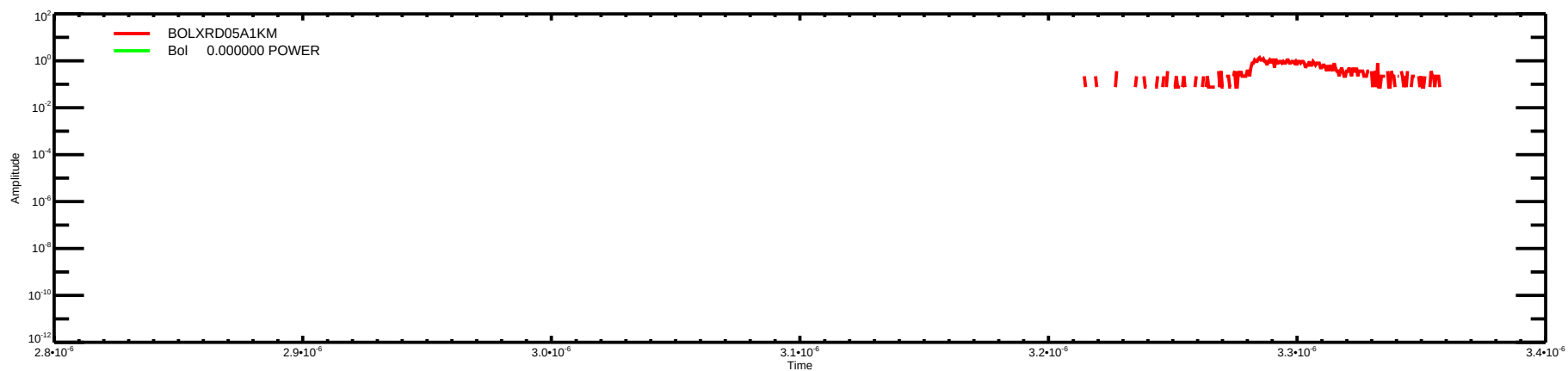
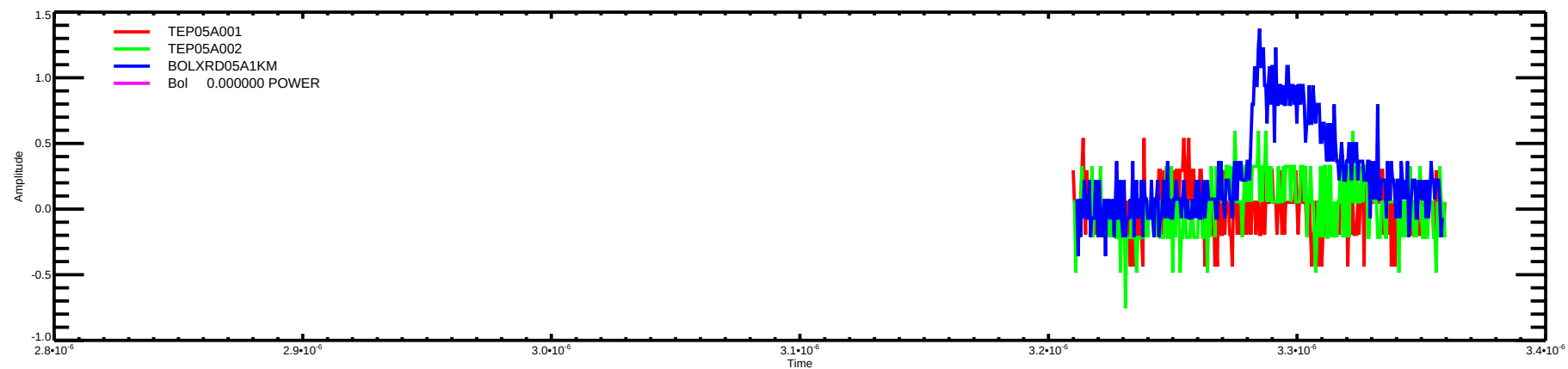


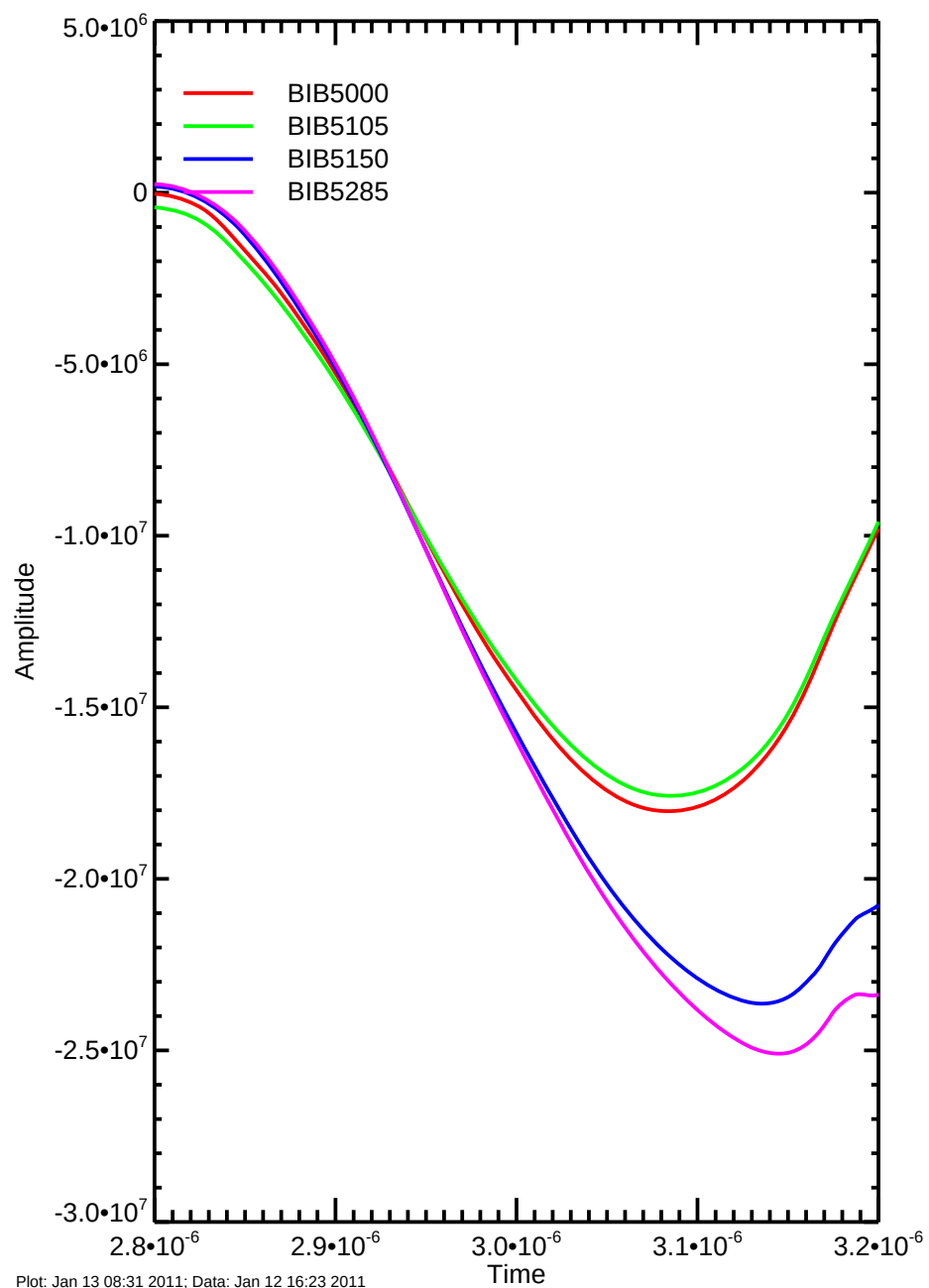




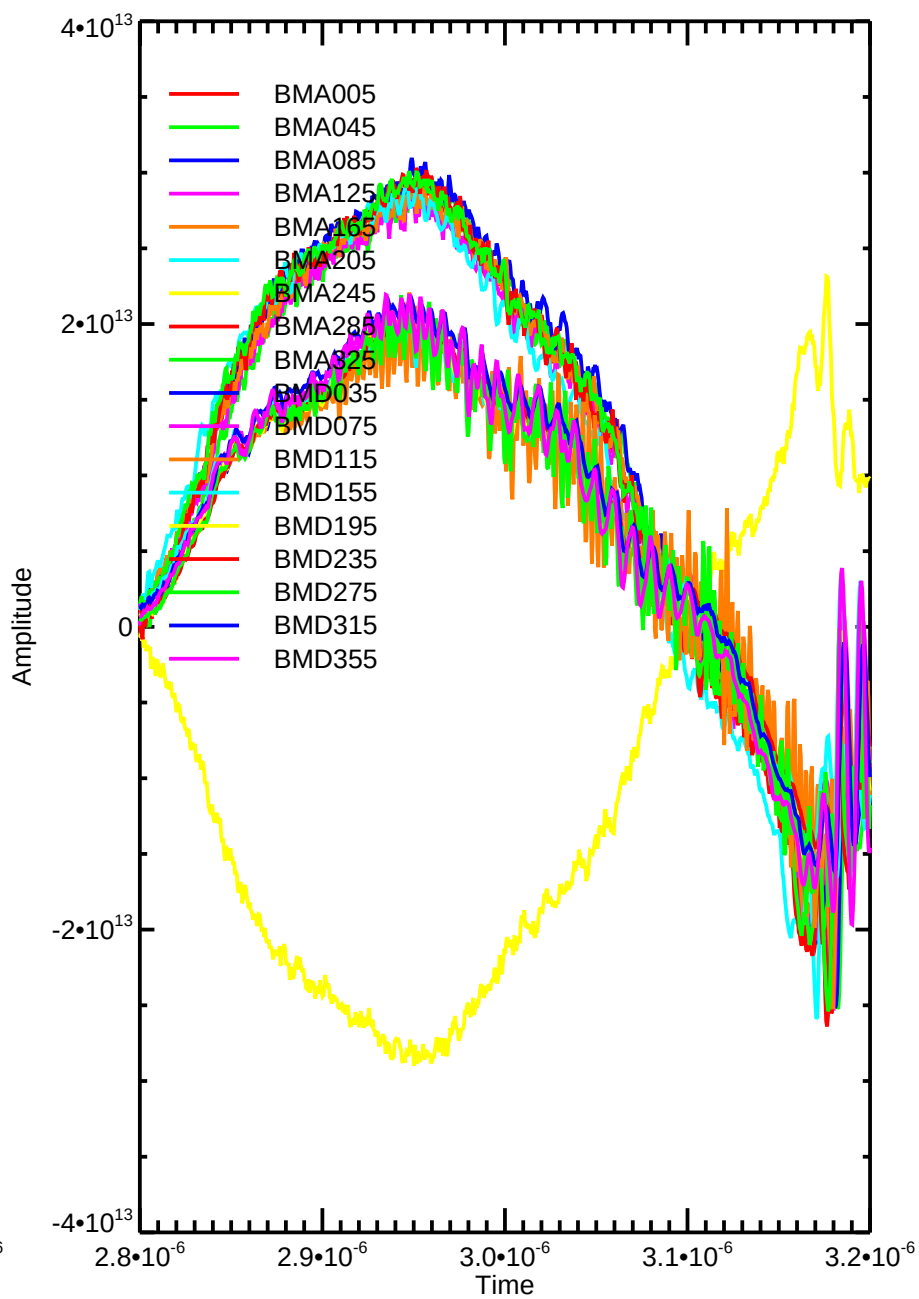


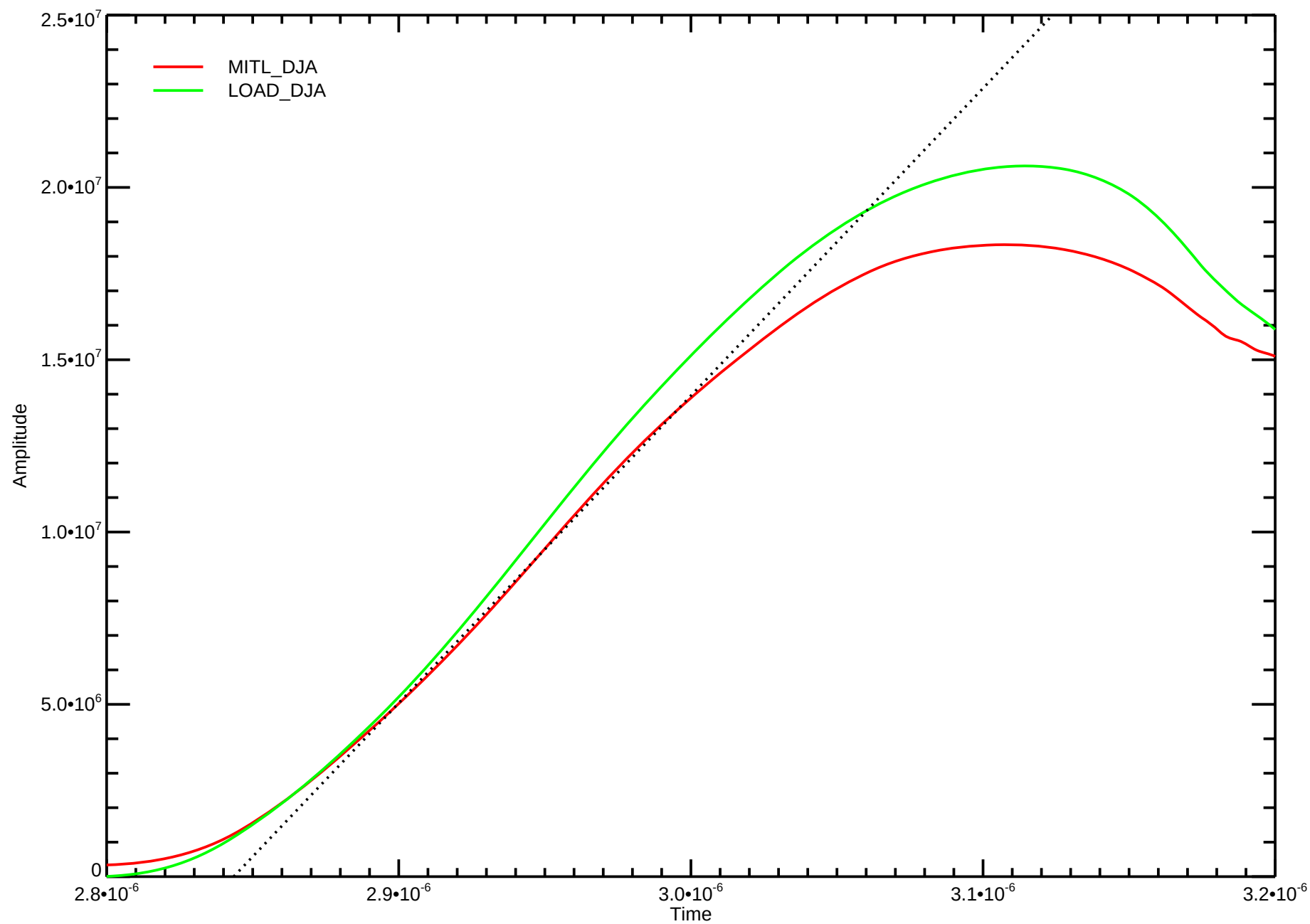


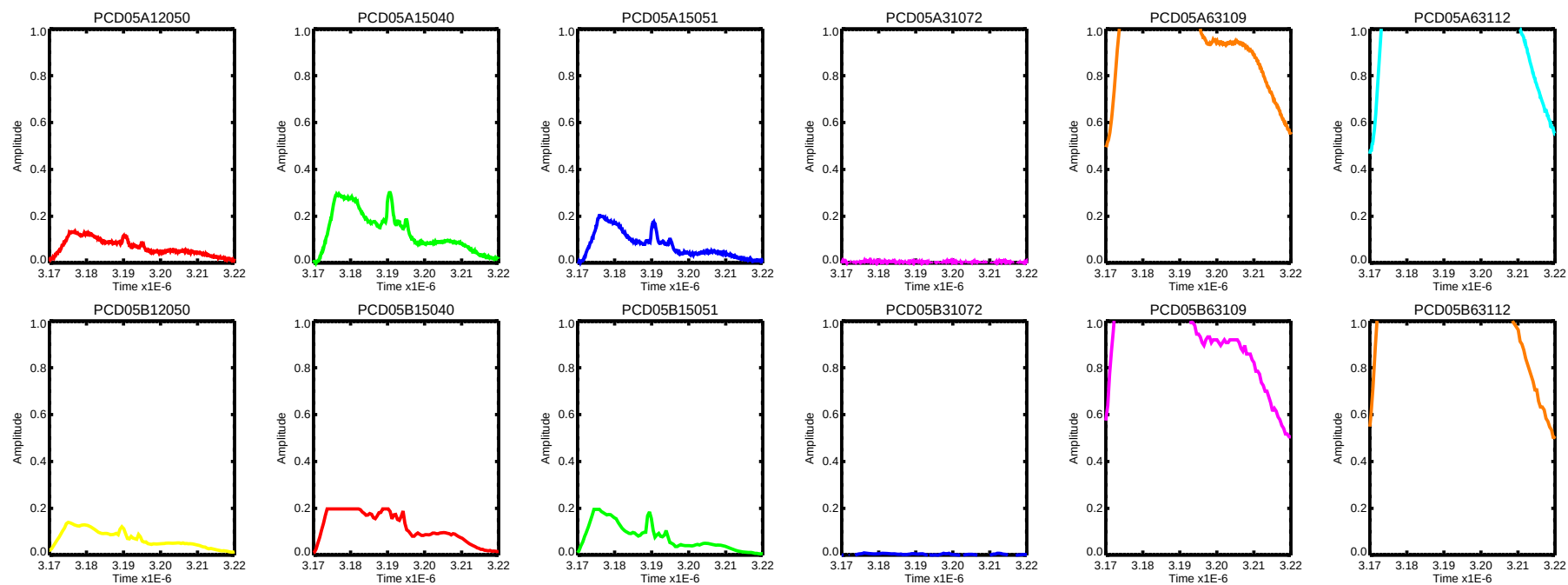


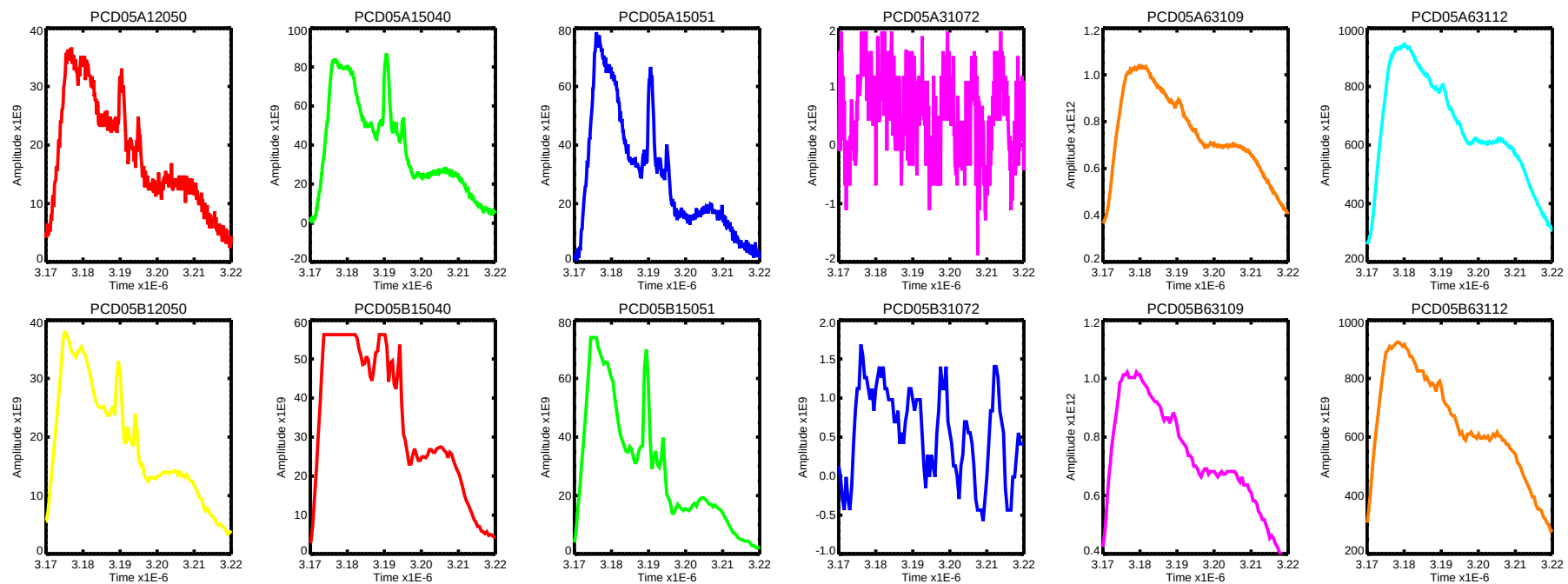


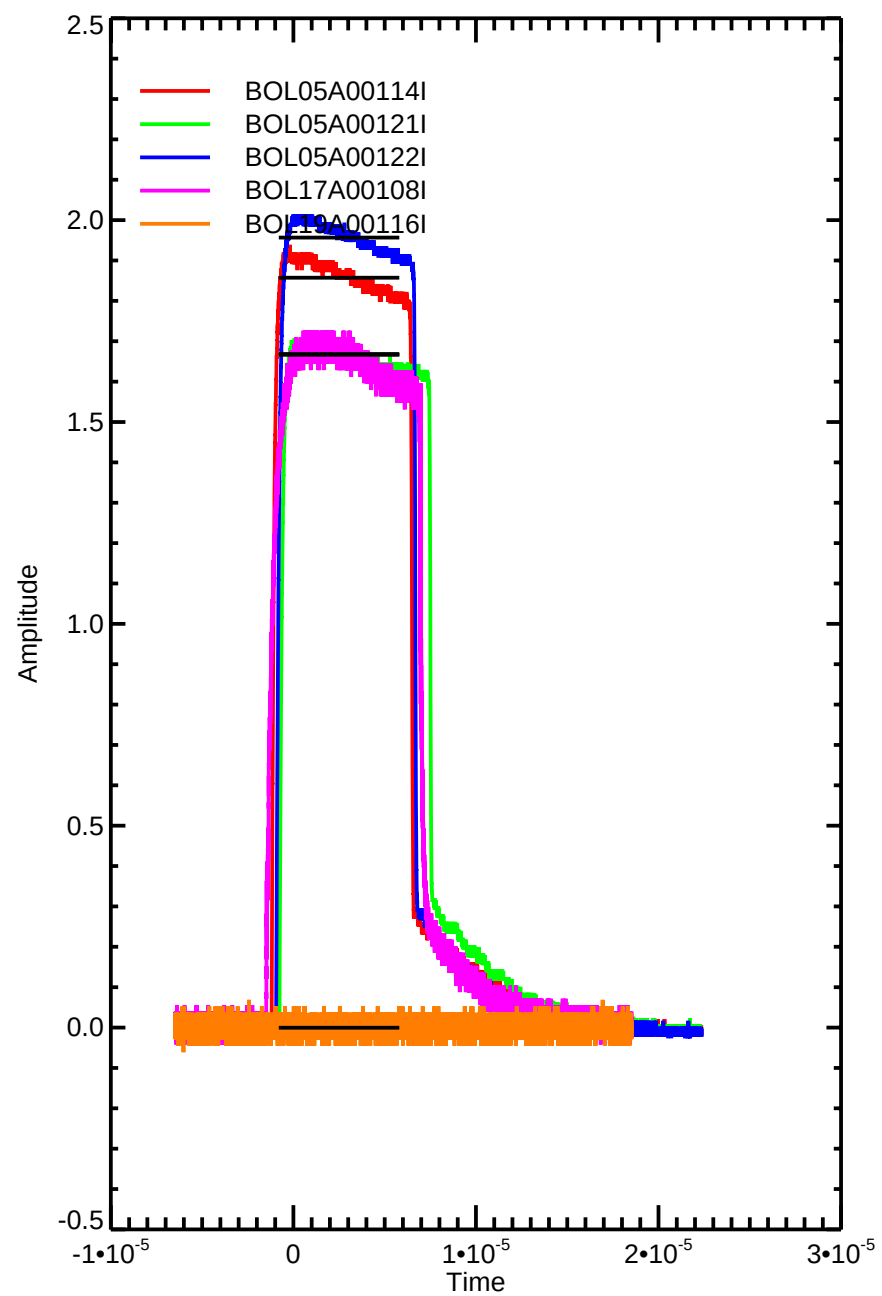
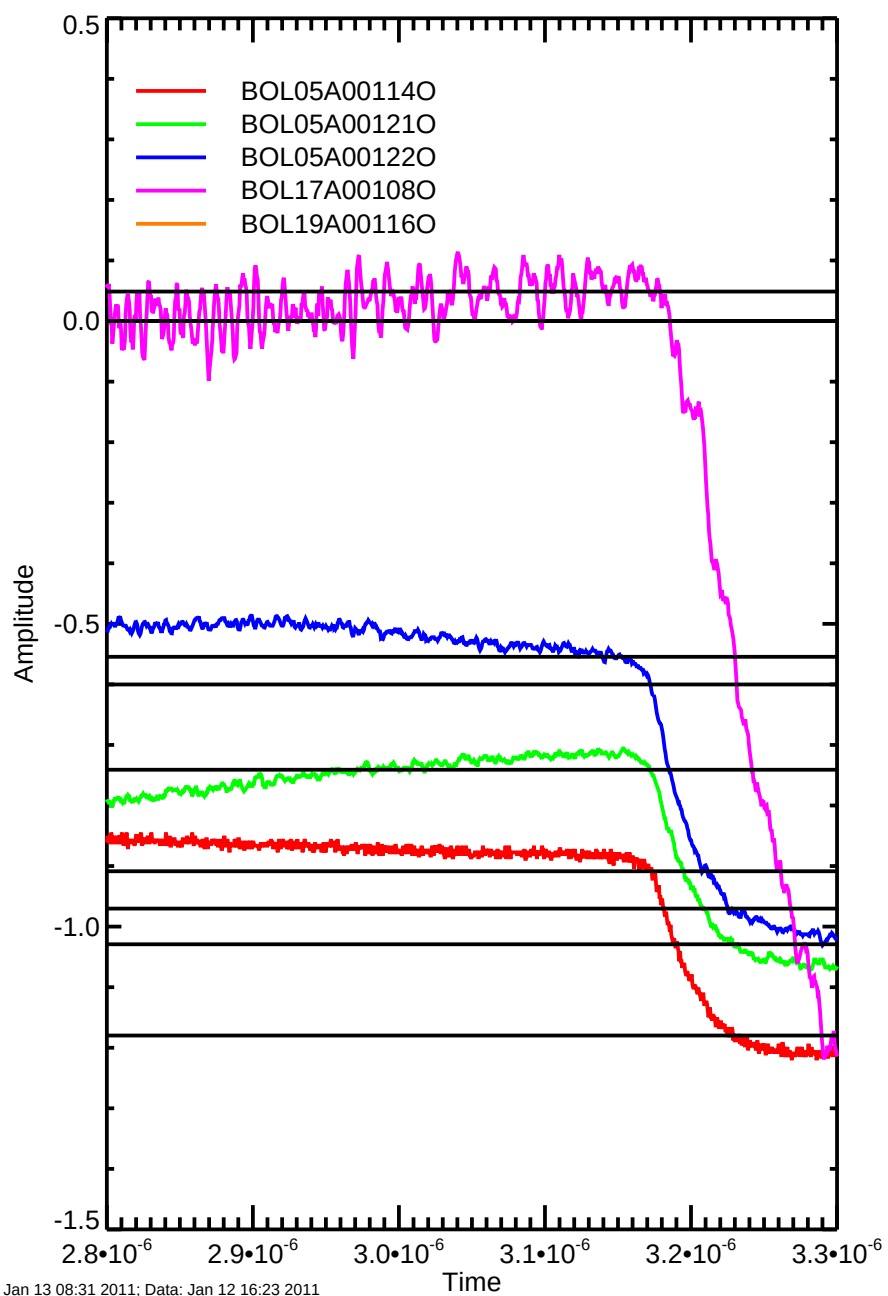
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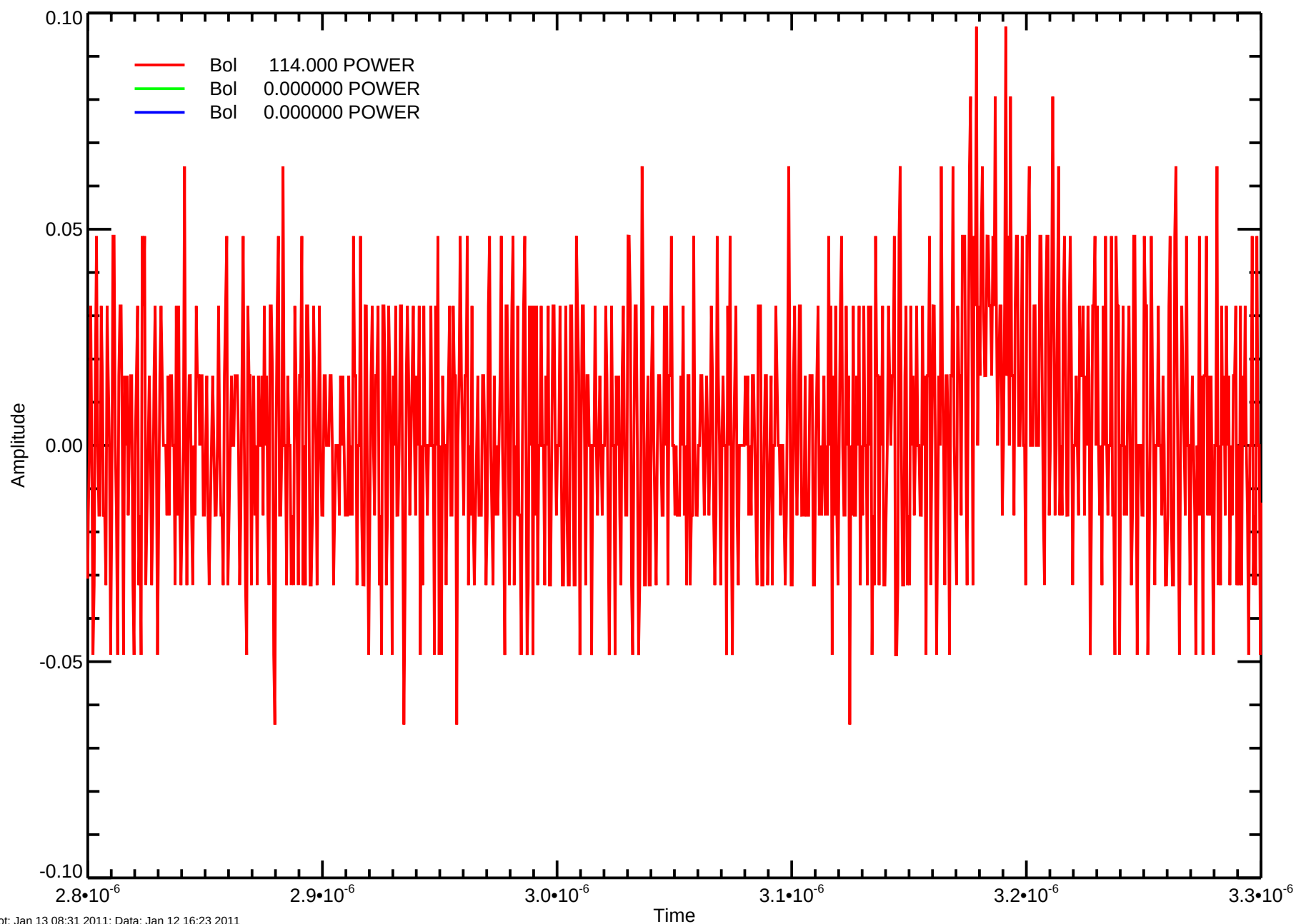


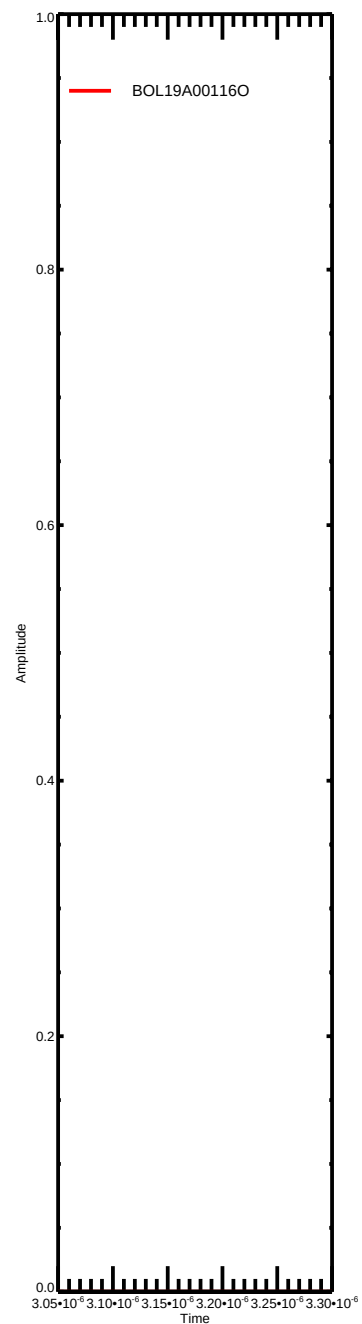
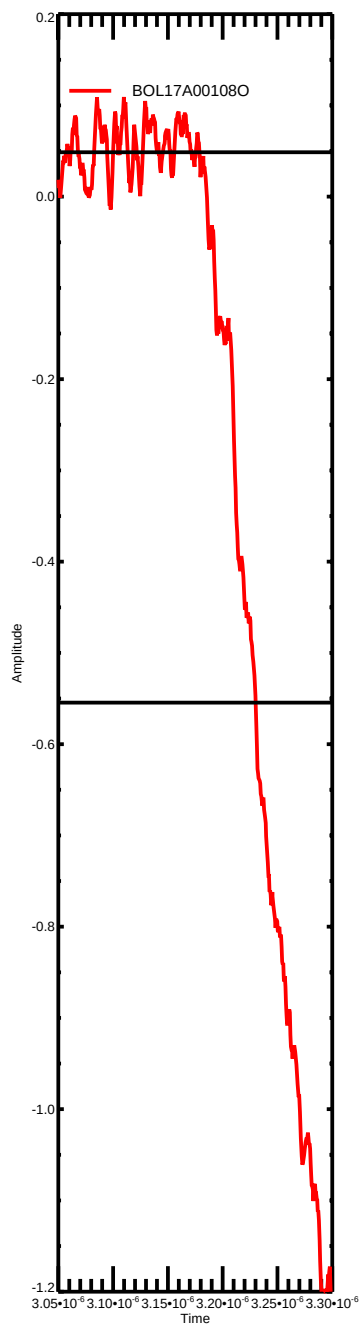
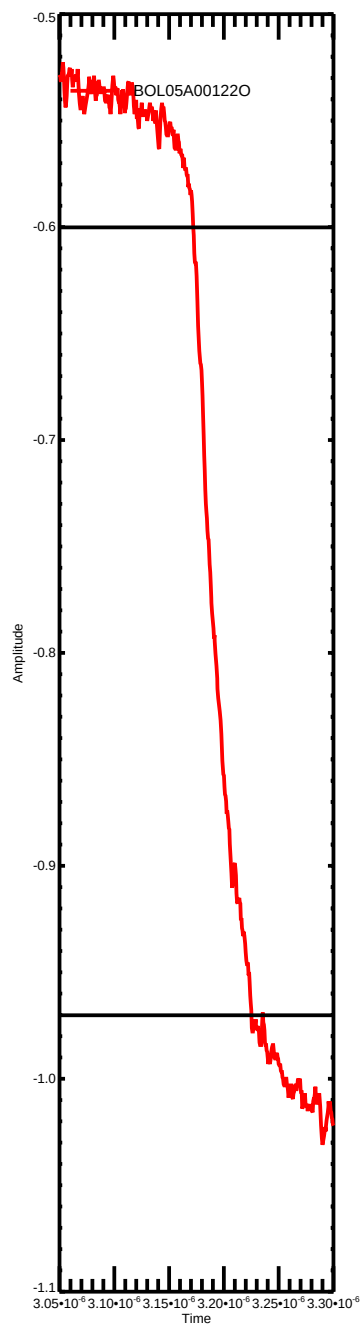
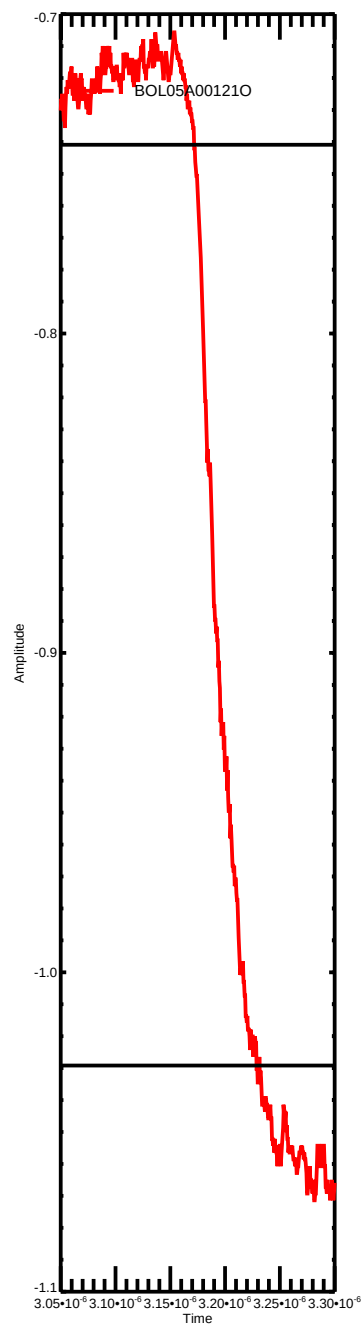
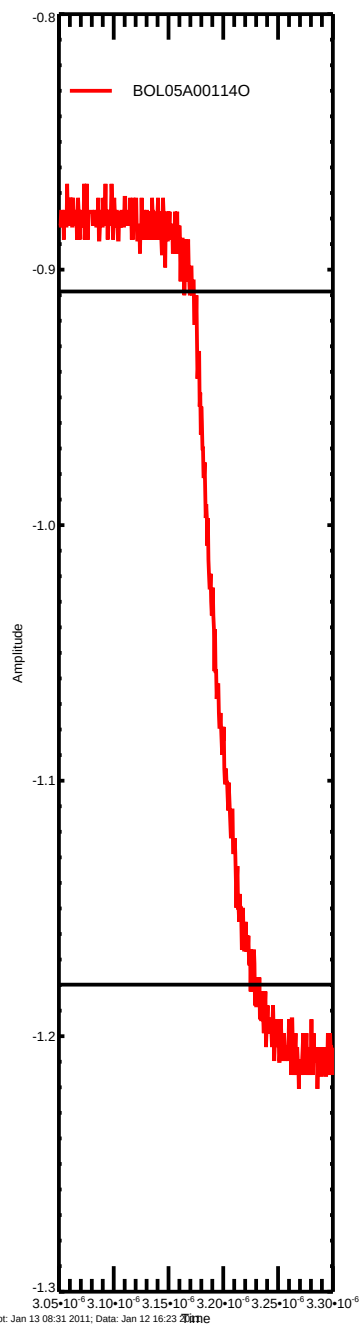


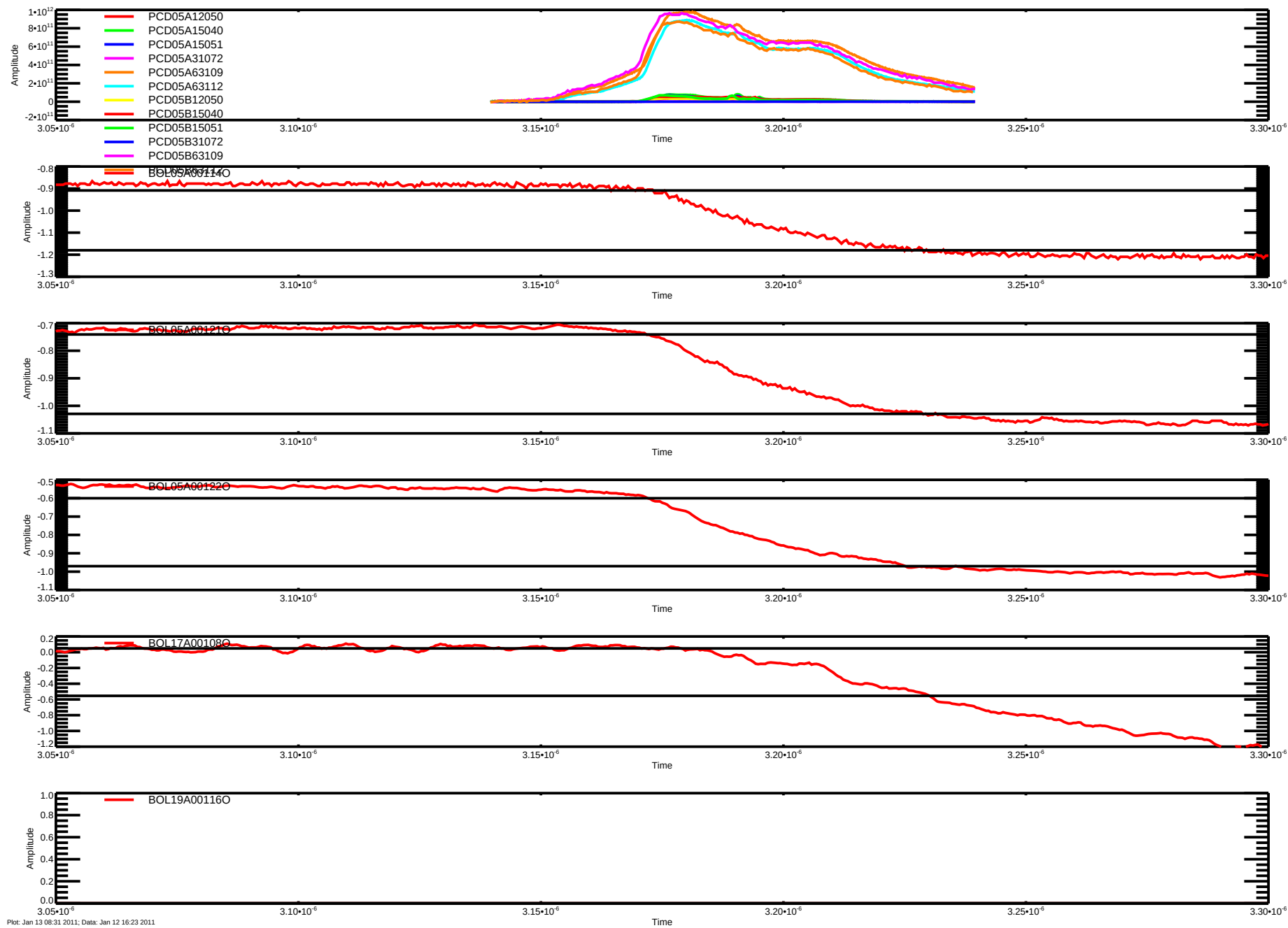


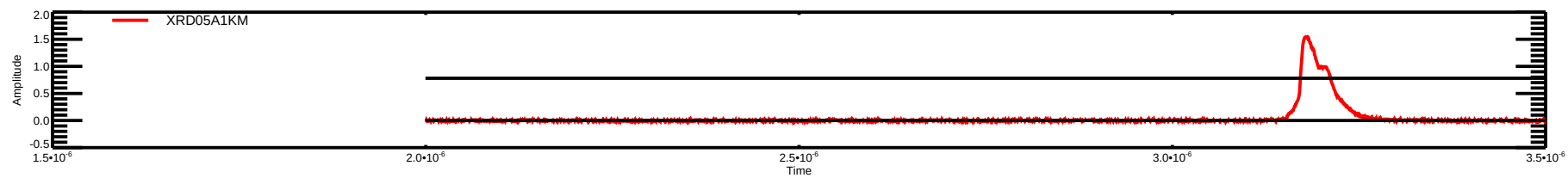


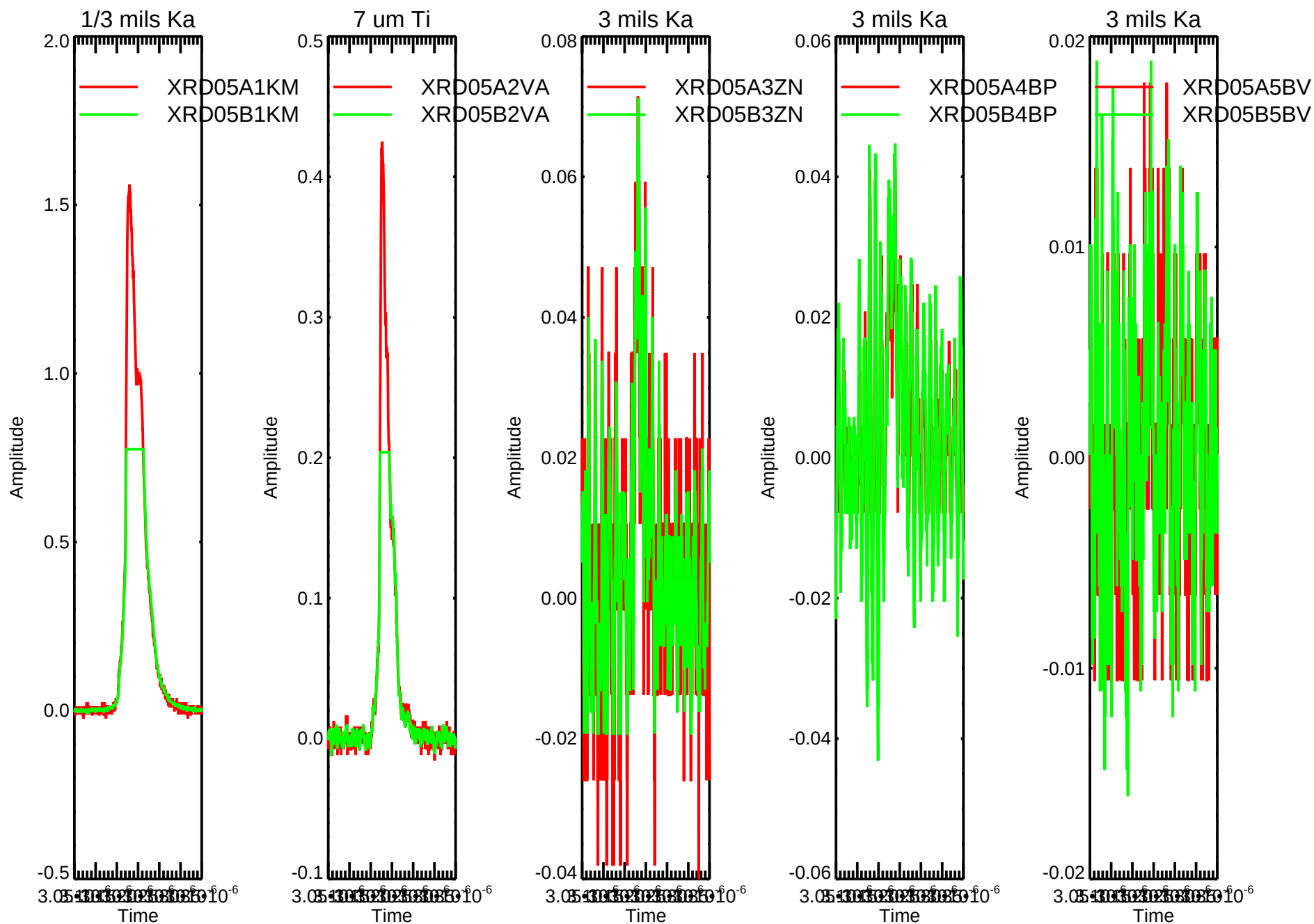


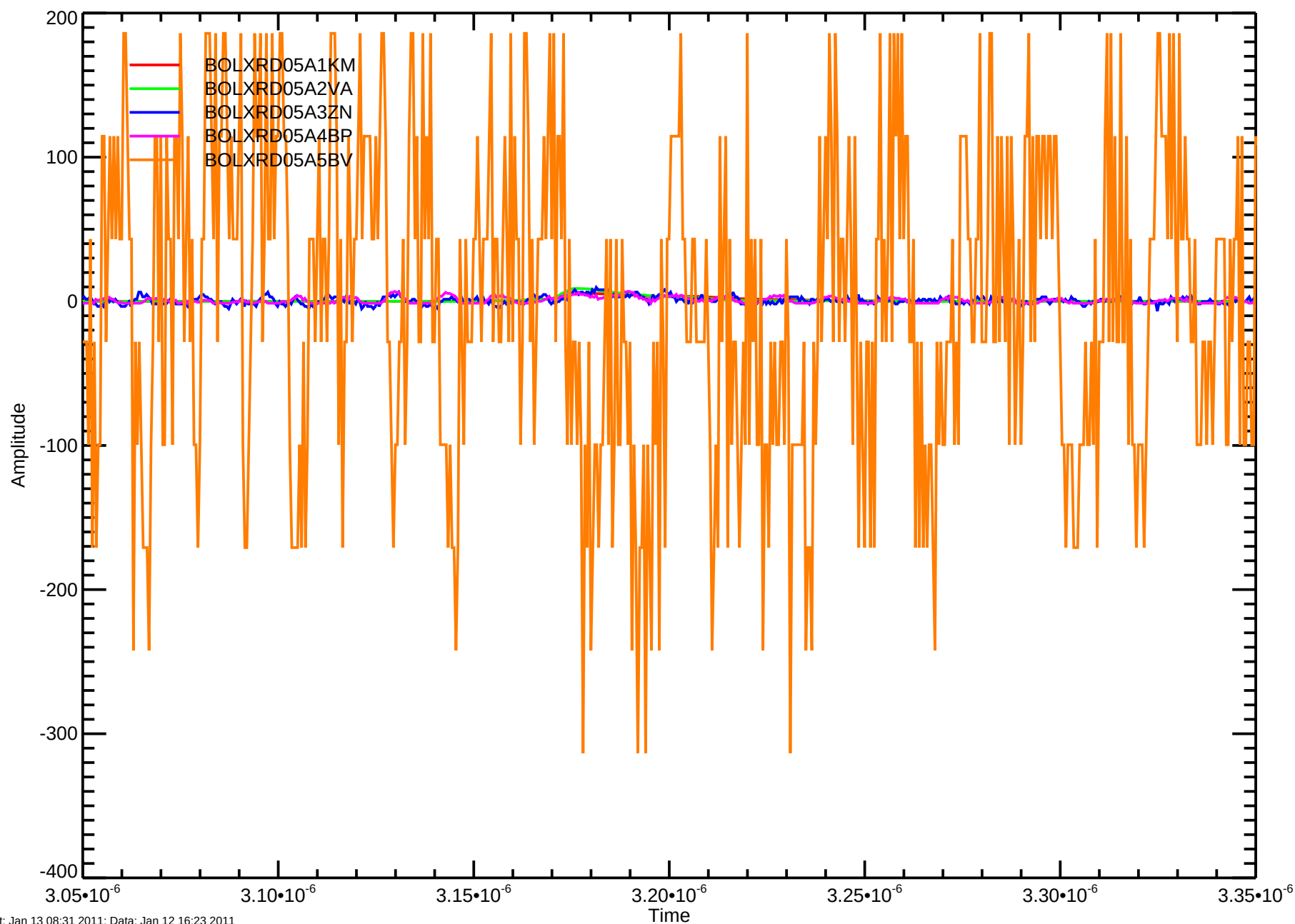


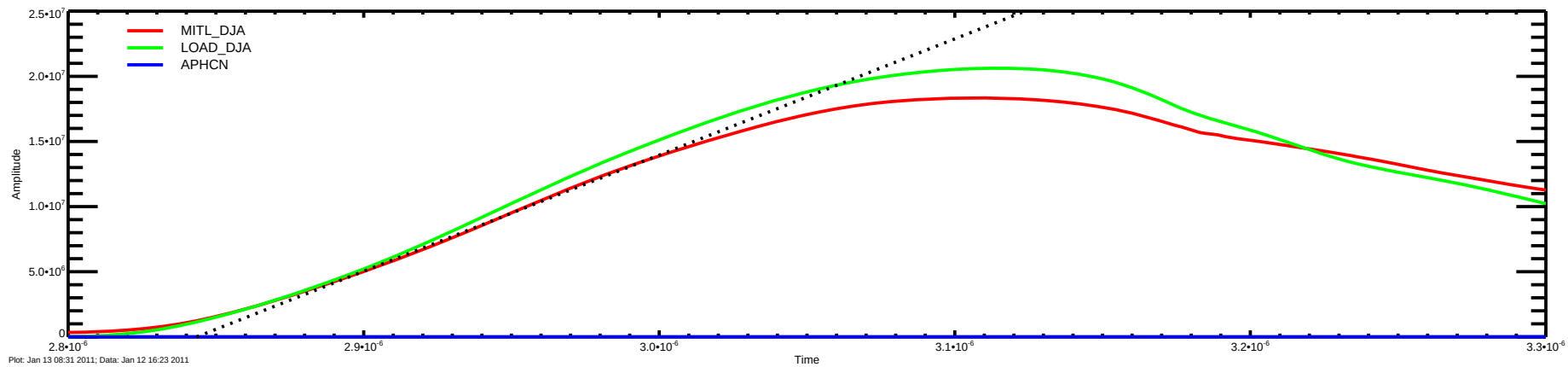
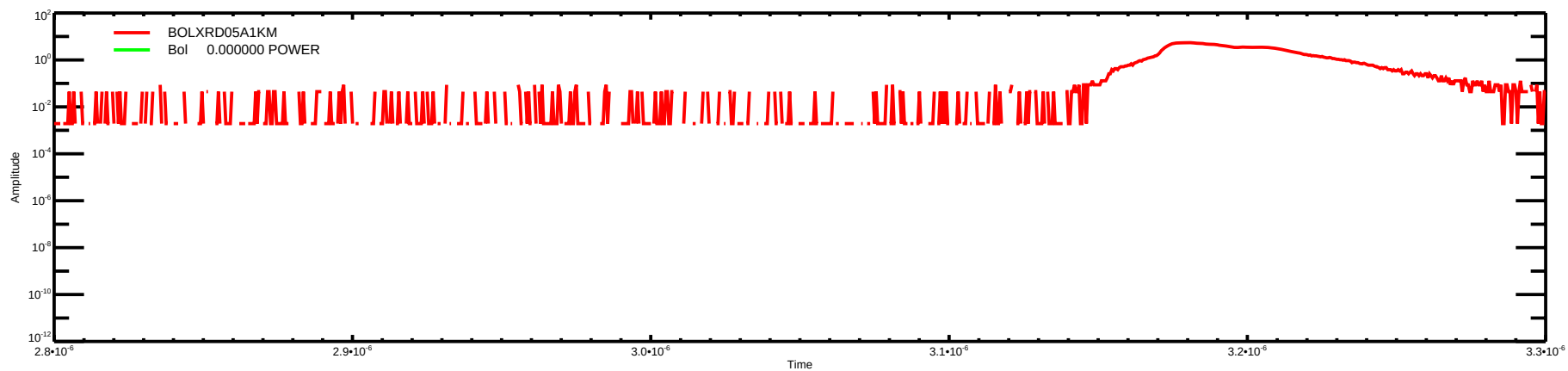
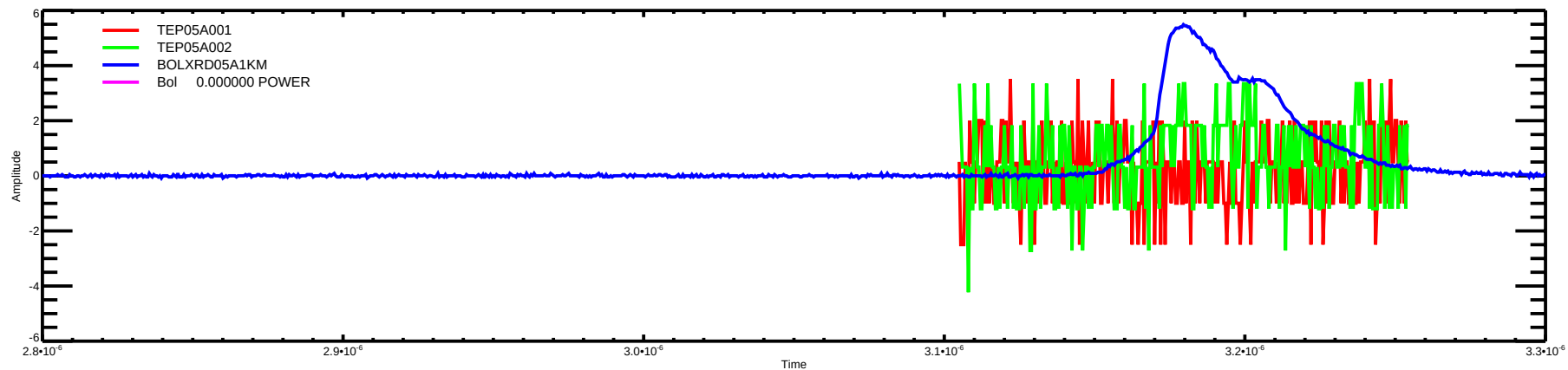


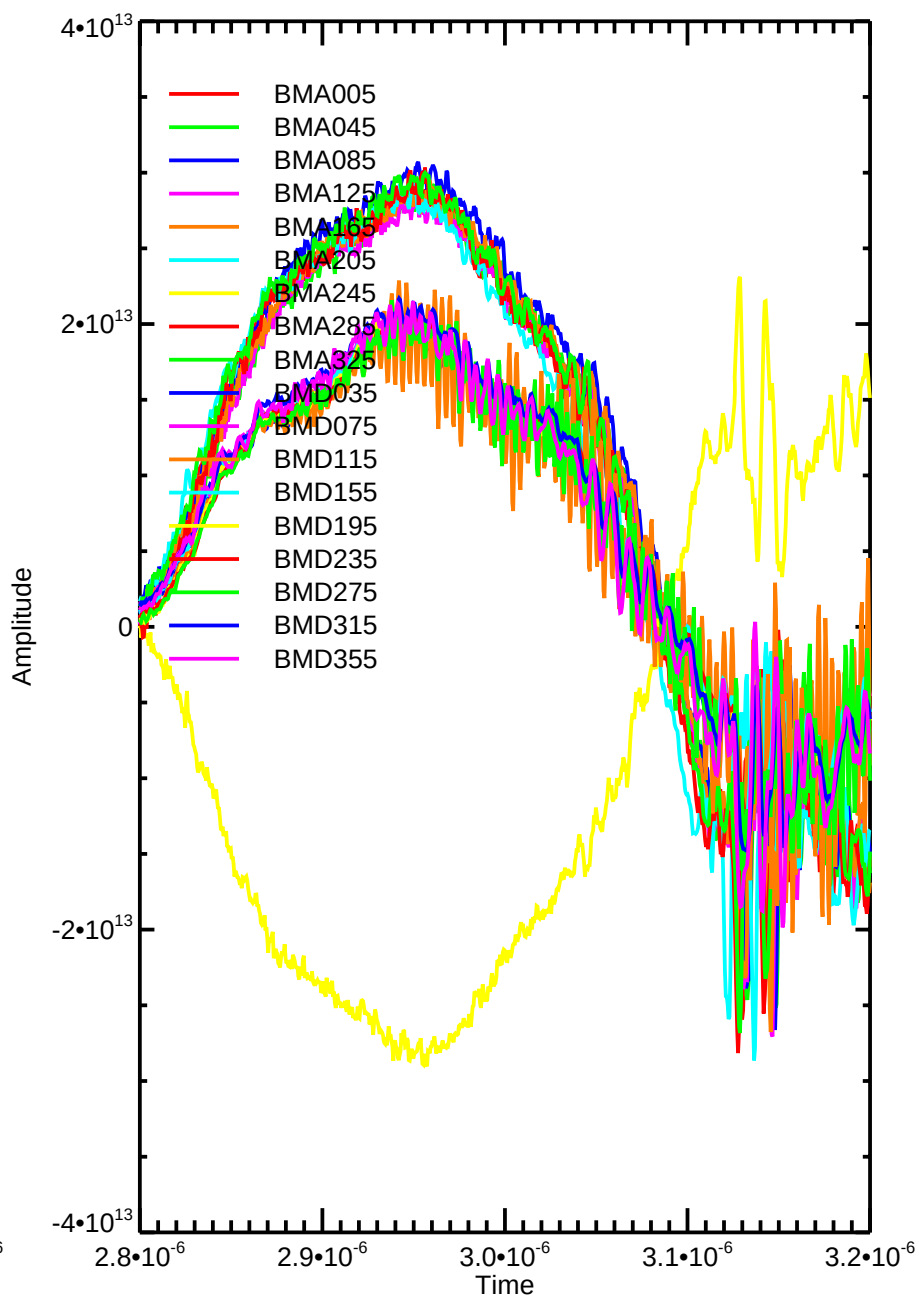
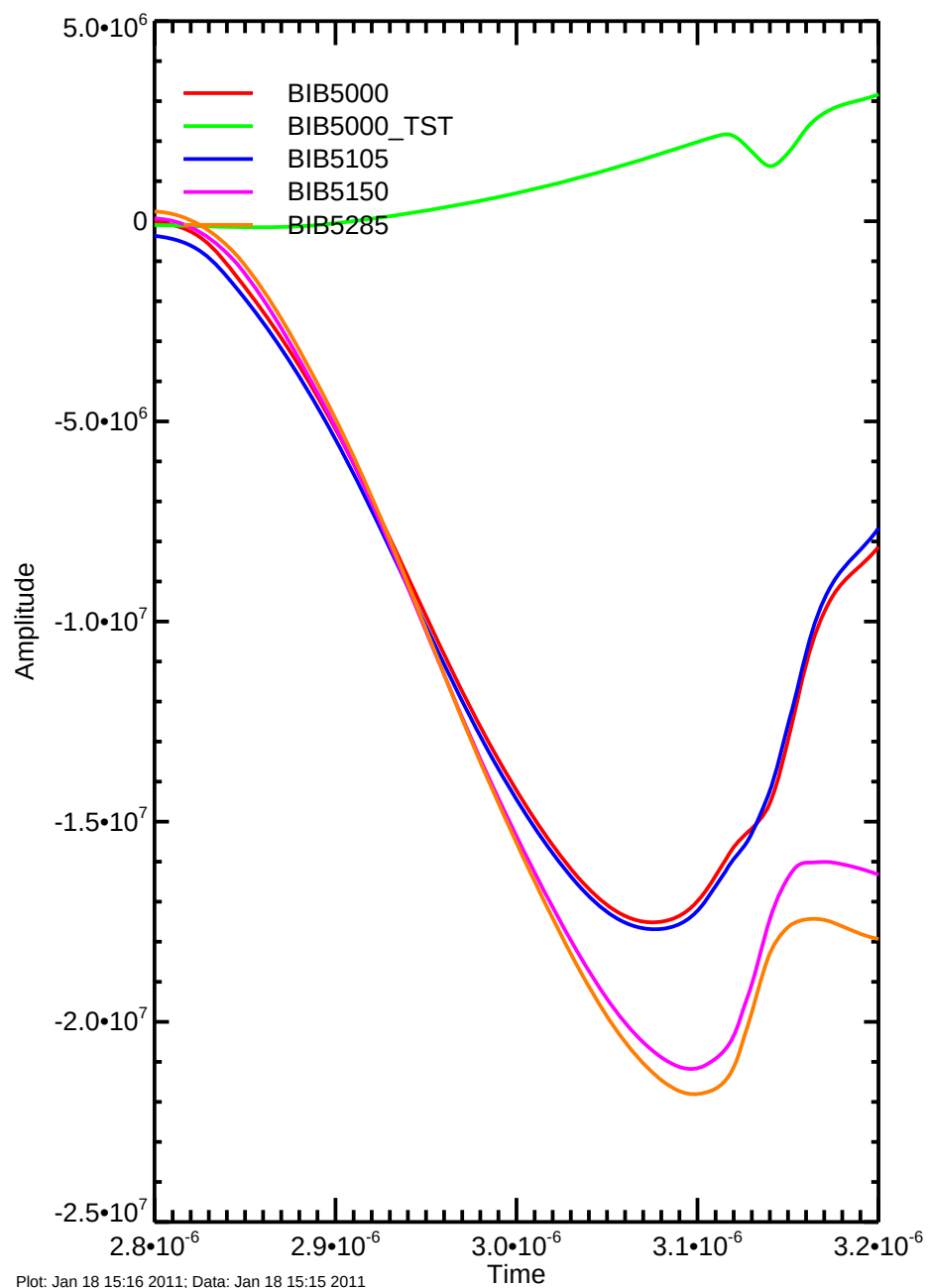


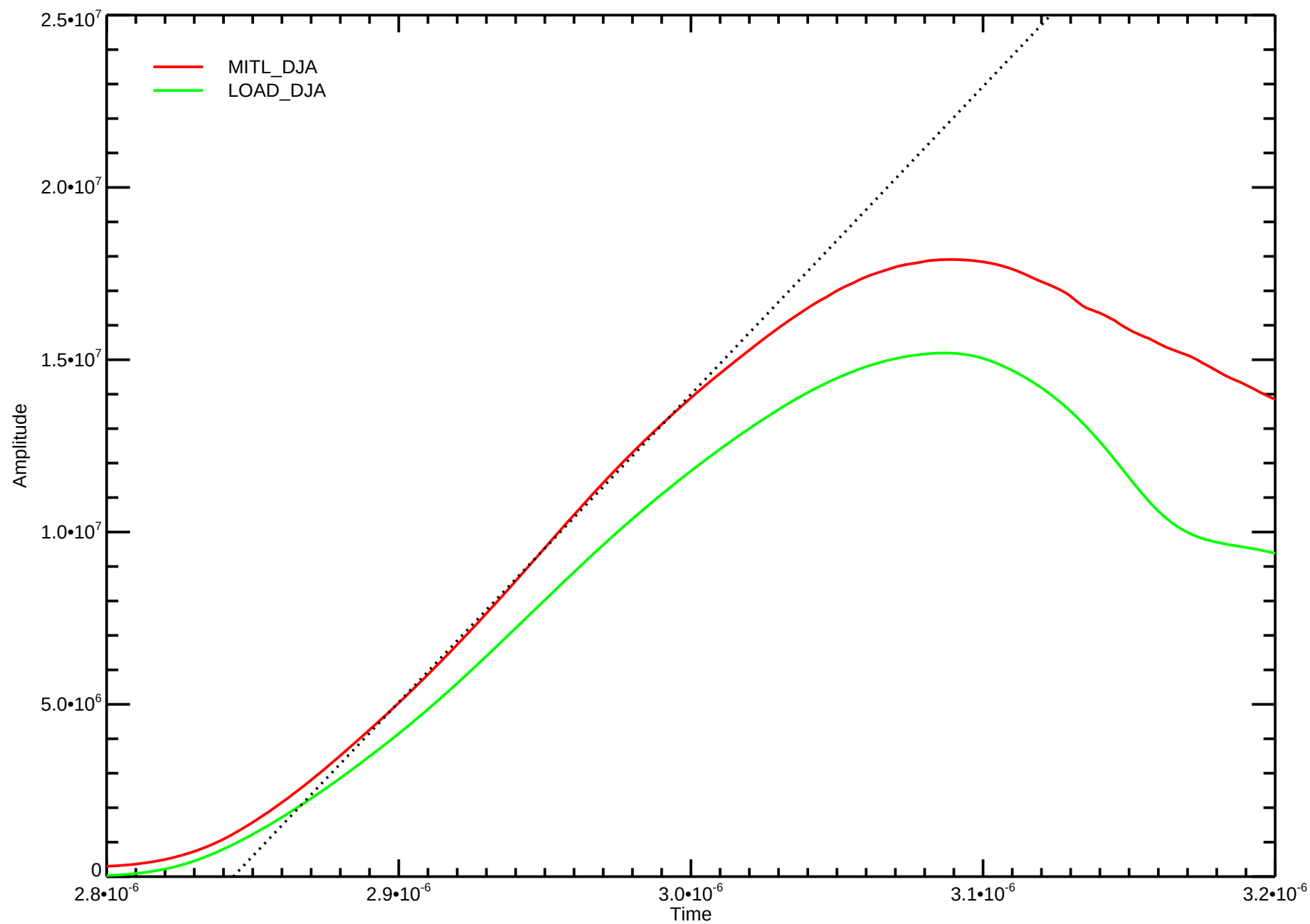


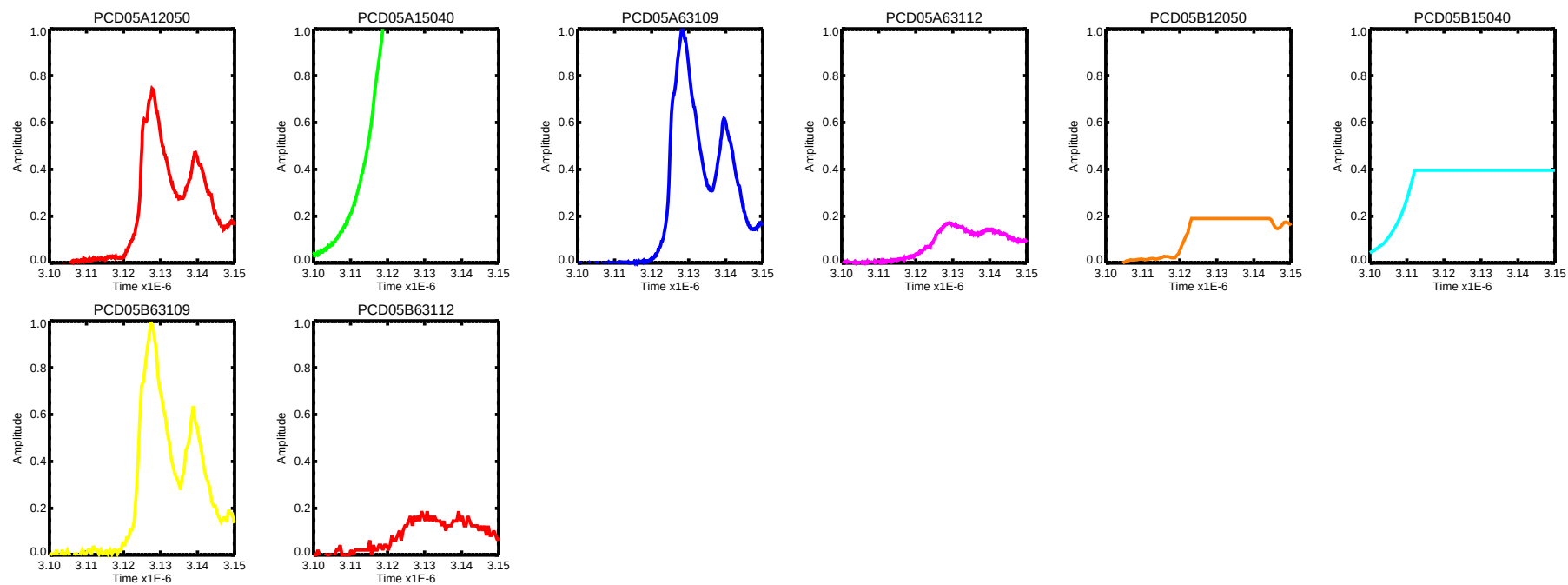


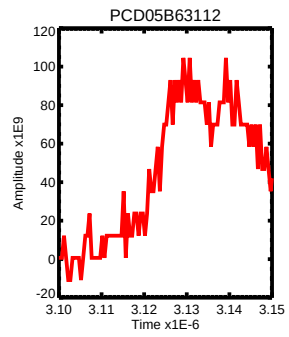
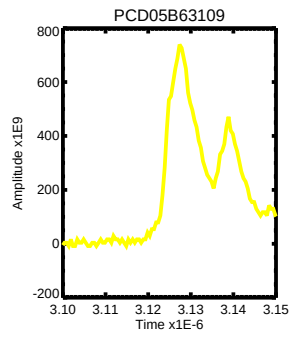
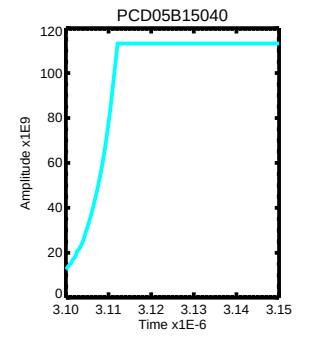
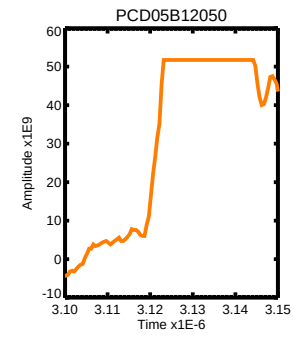
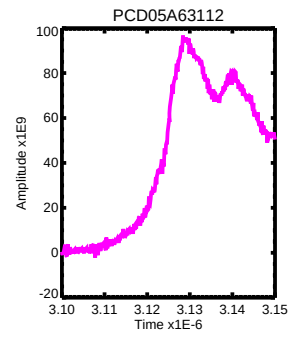
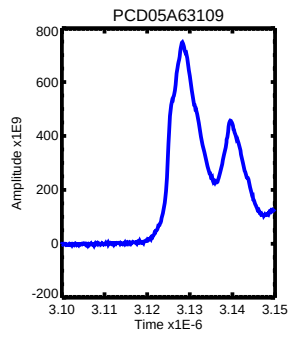
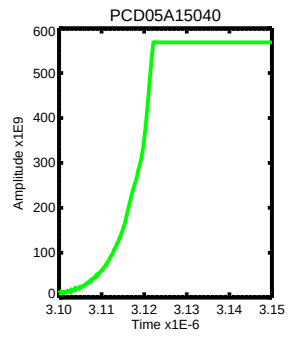
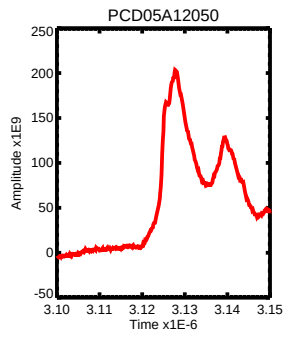


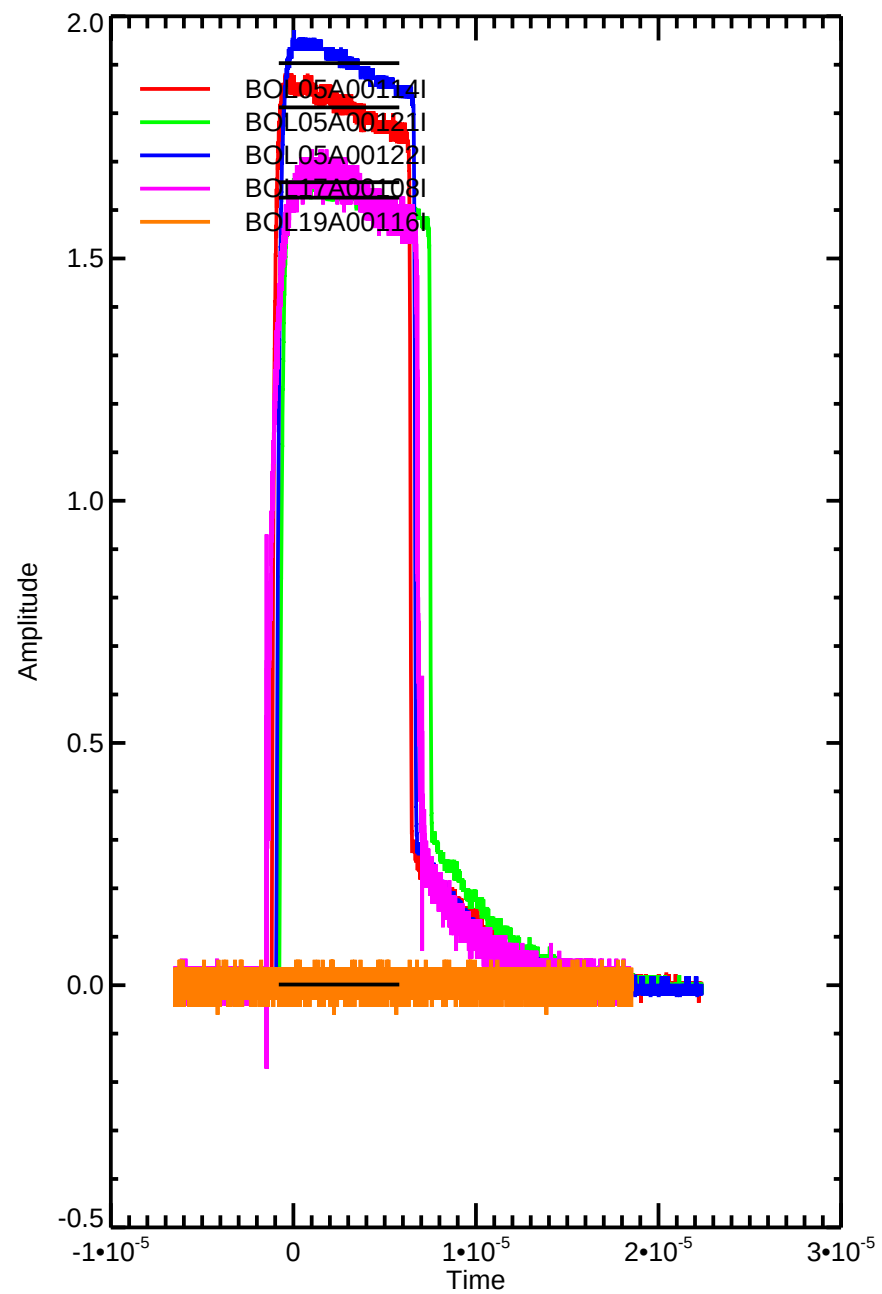
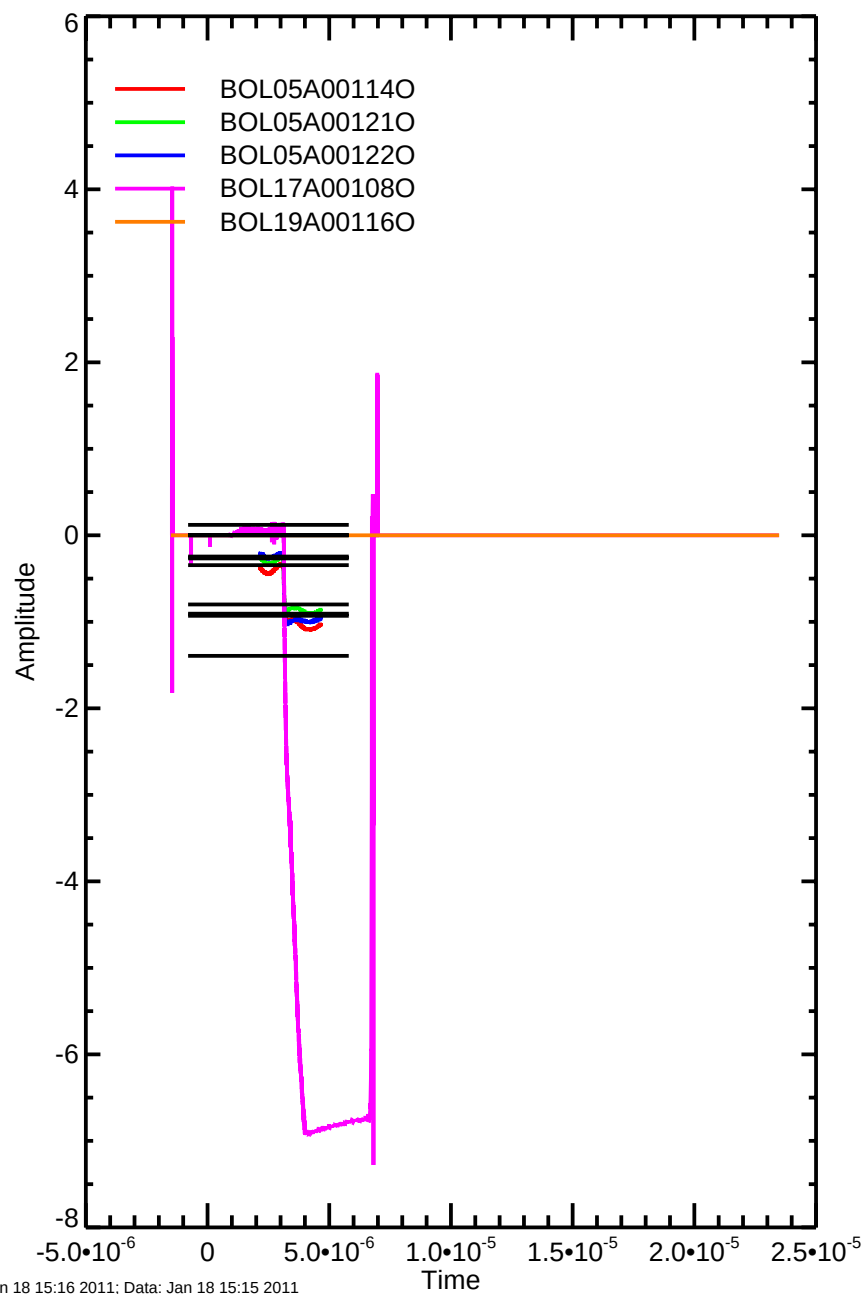


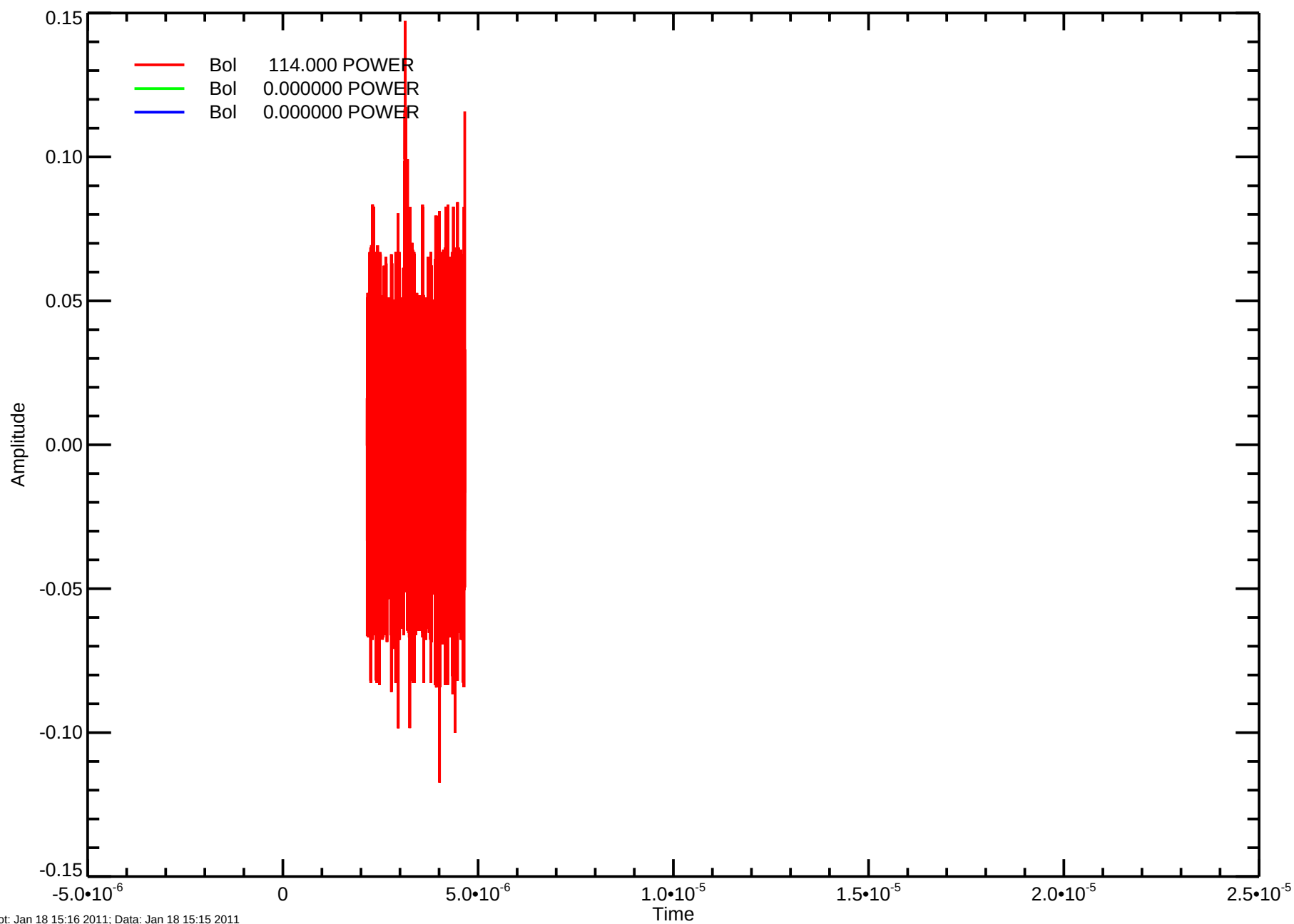












Plot: Jan 18 15:16 2011; Data: Jan 18 15:15 2011
File: C:\users\damplef.sandia\My Documents\idl\z-data\pbfa2z_2152.pff

