

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5035 - L2 Version 3
Chandra X-Ray Center

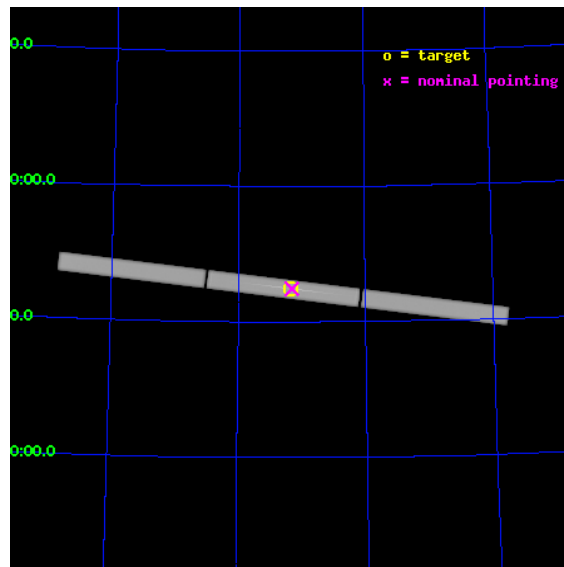
L2 Processing Date : Dec 15 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

seq_num	900342	Sequence number
obs_id	5035	Observation id
title	X-Raying the Intergalactic Medium with Blazars in Outburst	Proposa
observer	Dr. Fabrizio Nicastro	Principal investigator
object	BL 0502+675	Source name
ra_targ	76.984167	Observer's specified target RA [deg]
dec_targ	67.623333	Observer's specified target Dec [deg]
ra_nom	76.971912936472	Nominal RA [deg]
dec_nom	67.622896126096	Nominal Dec [deg]
roll_nom	186.868822172	Nominal Roll [deg]
revision	3	Processing version of data
ontime	129509.01207939	[s]
livetime	128599.27211377	Ontime multiplied by DTCOR
l2events	7356779	Number of level 2 events

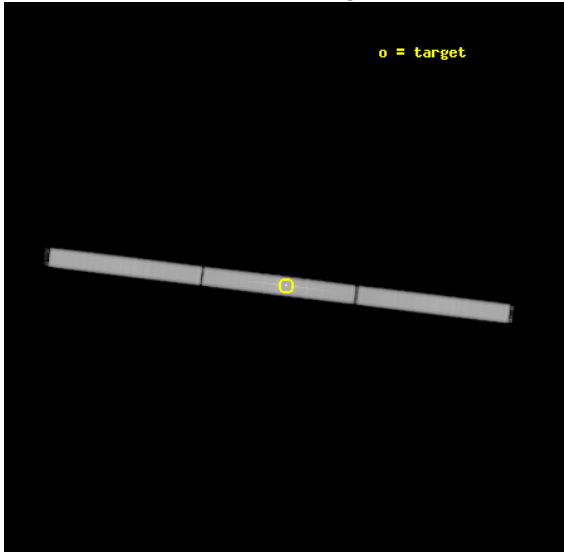


2 OBI

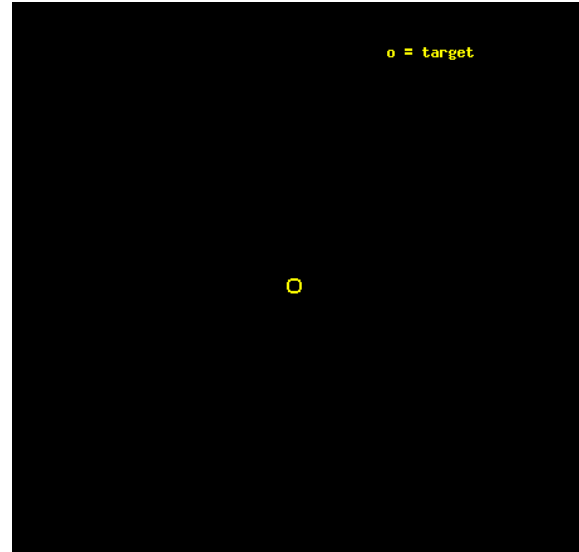
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	128937.907000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	129509.01207939	[s]
caldbver	4.5.5	 	l1events	10134987	Number of level 1 events
date	2012-12-15T01:38:55	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

	segment 1	segment 2	segment 3
level 1 events	3347959	3422336	3364692
rejected events	37206	36789	37509
rejected %	1%	1%	1%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	77.029761	76.97191293647178			
[deg] Pointing Dec	67.641184	67.62289612609598			
[deg] Pointing Roll	186.747991	186.868822172002			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	219416454.184000	219414802.83149			
Observation start date	2004-12-14T12:59:50	2004-12-14T12:33:22			
[s] Observation end time (MET)	219545392.184000	219546962.74994			
Observation end date	2004-12-16T00:48:48	2004-12-16T01:16:02			

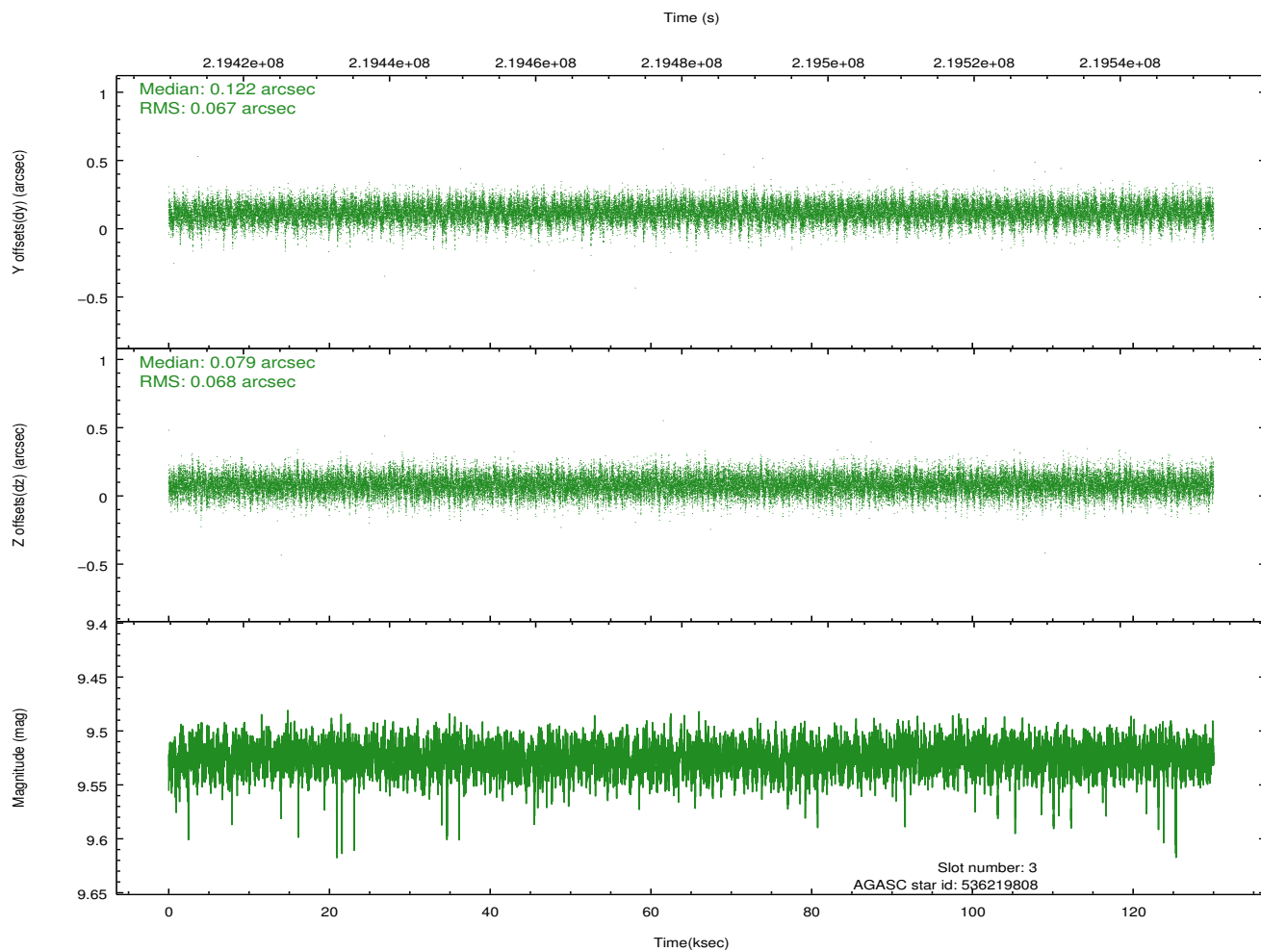
2.3 Aspect

Slot Statistics

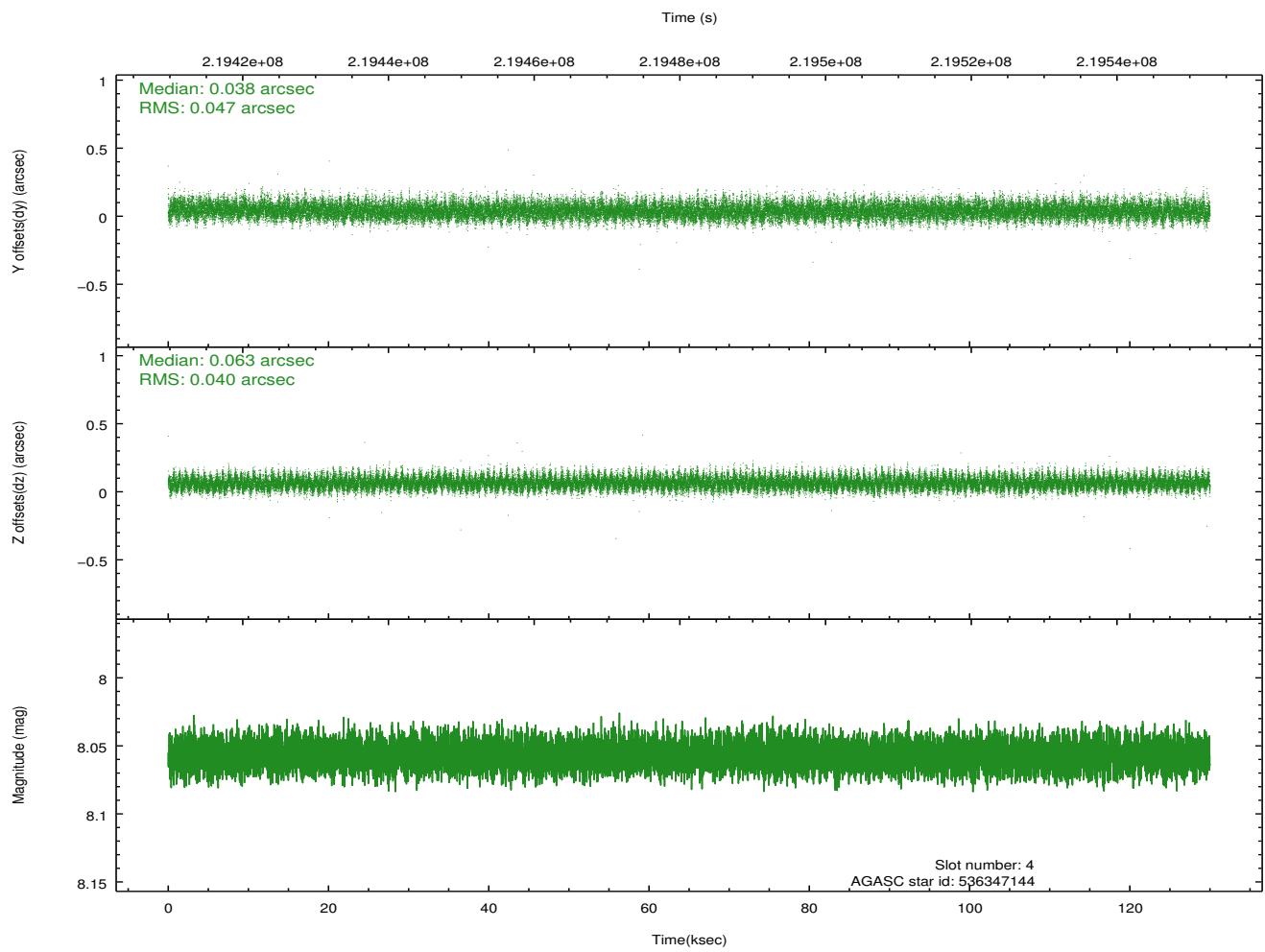
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	31710	0.157	-0.199	0.007	0.014	0.000000	0.000000	-1163.17	-458.55
1	FID	HRC-S-2	7.02	31709	0.124	-0.109	0.005	0.009	0.000000	0.000000	1236.45	-451.16
2	FID	HRC-S-3	7.04	31707	0.109	0.006	0.007	0.014	0.000000	0.000000	-1165.88	571.17
3	GUIDE	536219808	9.53	63368	0.122	0.079	0.100	0.167	76.524068	67.407554	793.20	750.81
4	GUIDE	536347144	8.06	63413	0.038	0.063	0.065	0.108	78.692300	67.360764	-2172.70	1242.66
5	GUIDE	536352128	7.54	63412	0.001	0.026	0.073	0.117	78.532528	67.481756	-1992.92	788.85
6	GUIDE	536354544	6.90	63414	-0.081	-0.280	0.053	0.082	77.840781	67.039585	-877.80	2277.14
7	GUIDE	569120904	9.02	63381	-0.082	0.116	0.102	0.165	76.592712	68.268526	313.37	-2312.58

2.4 Star Slots

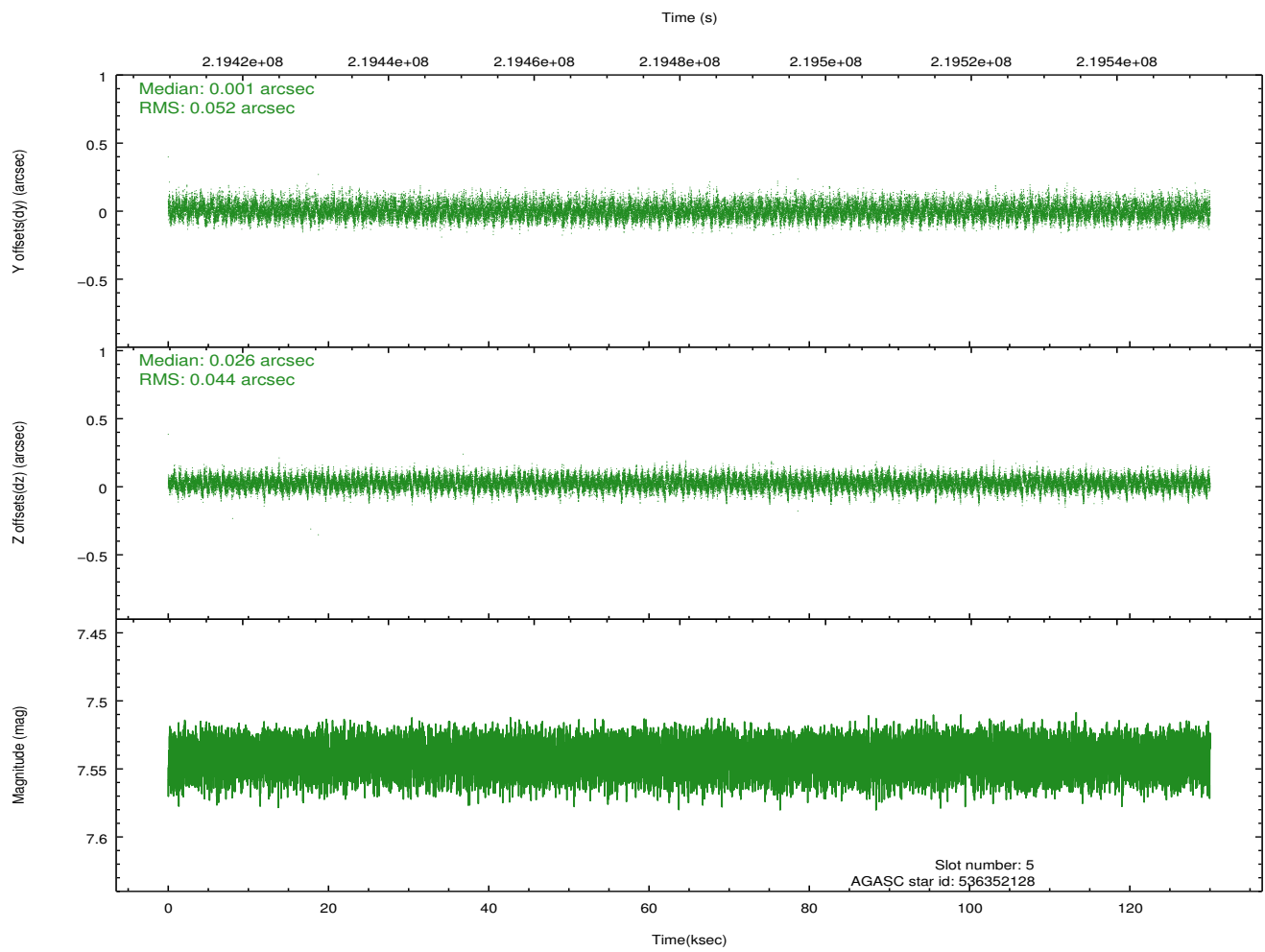
2.4.1 Slot 3



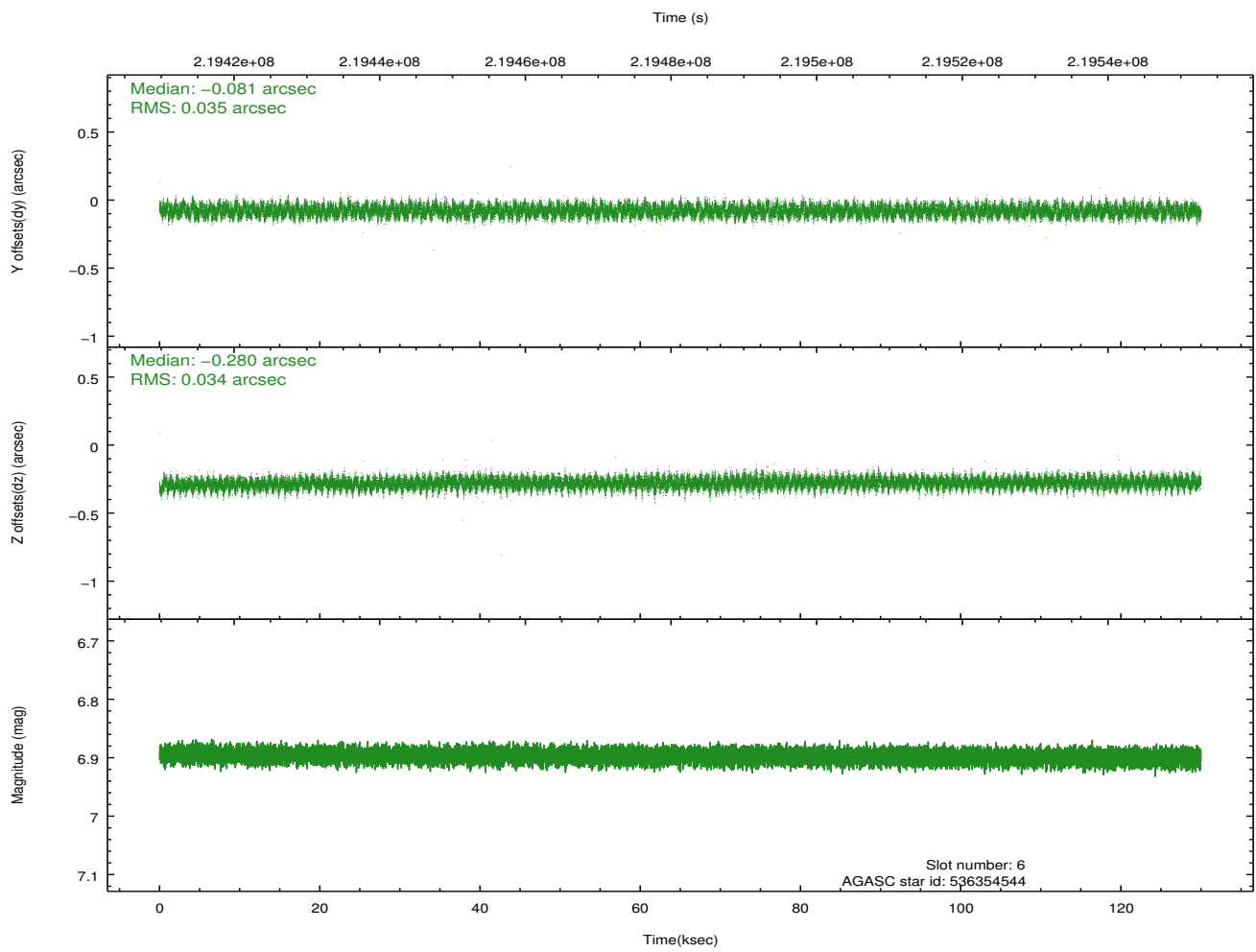
2.4.2 Slot 4



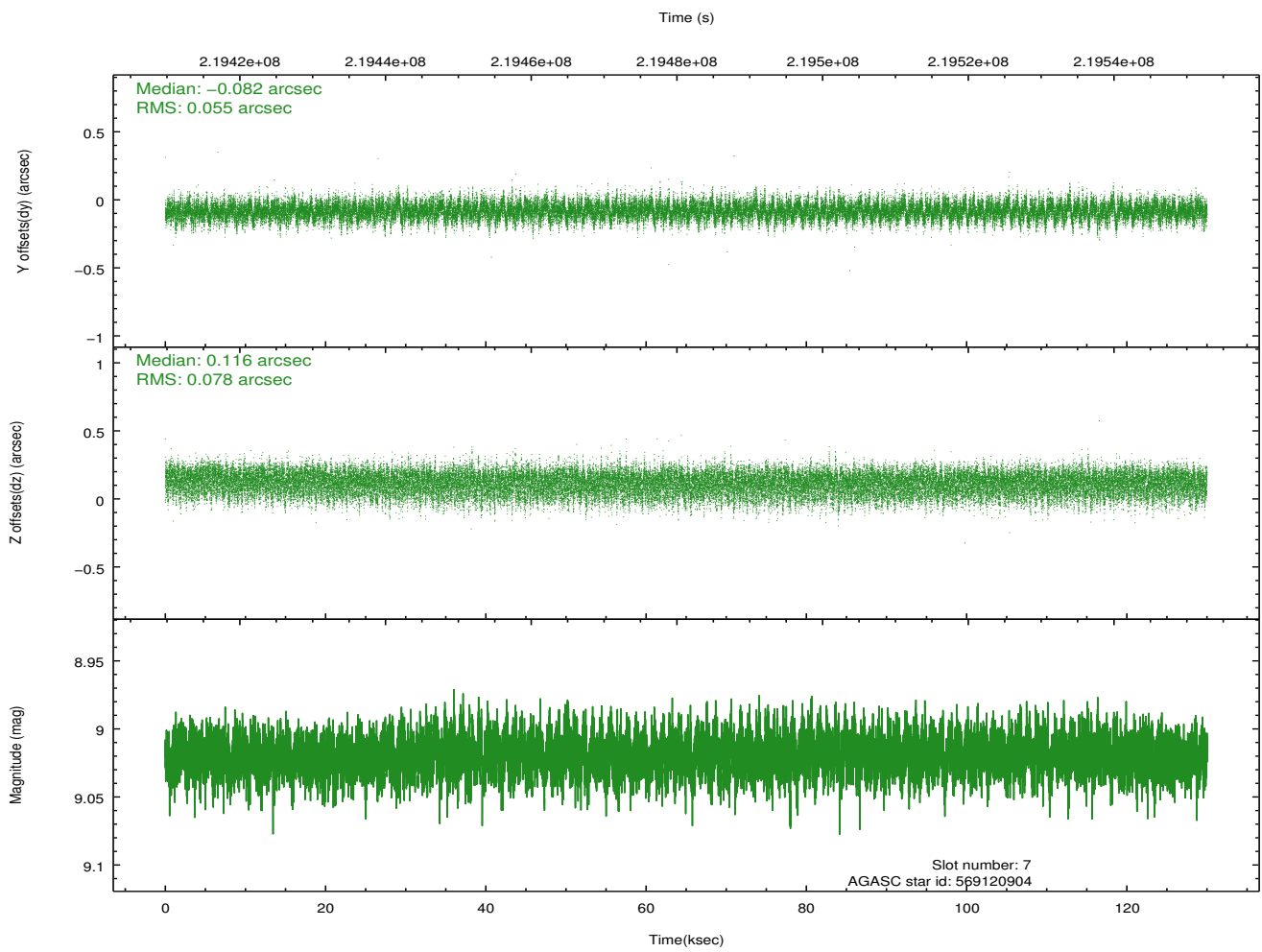
2.4.3 Slot 5



2.4.4 Slot 6

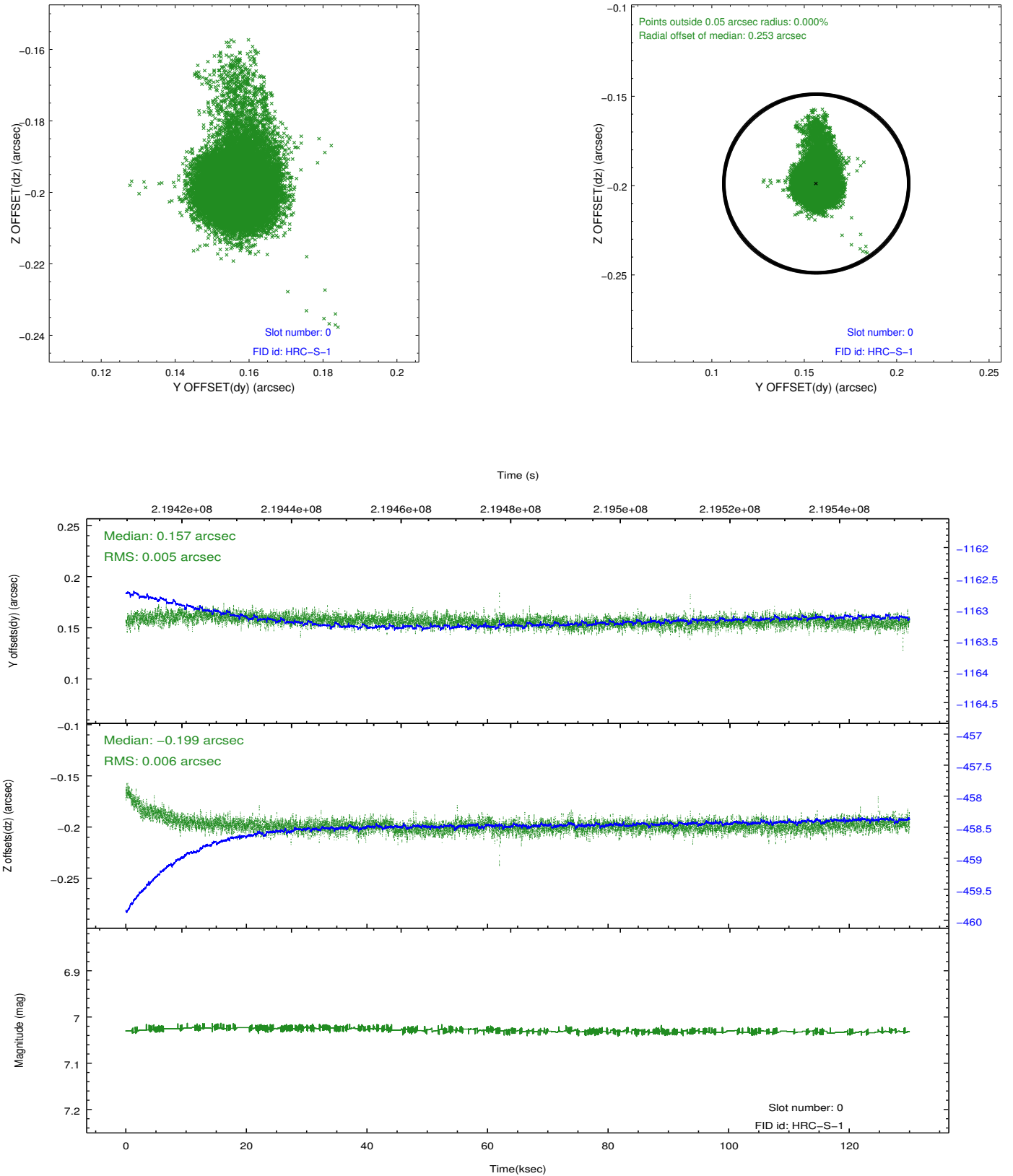


2.4.5 Slot 7

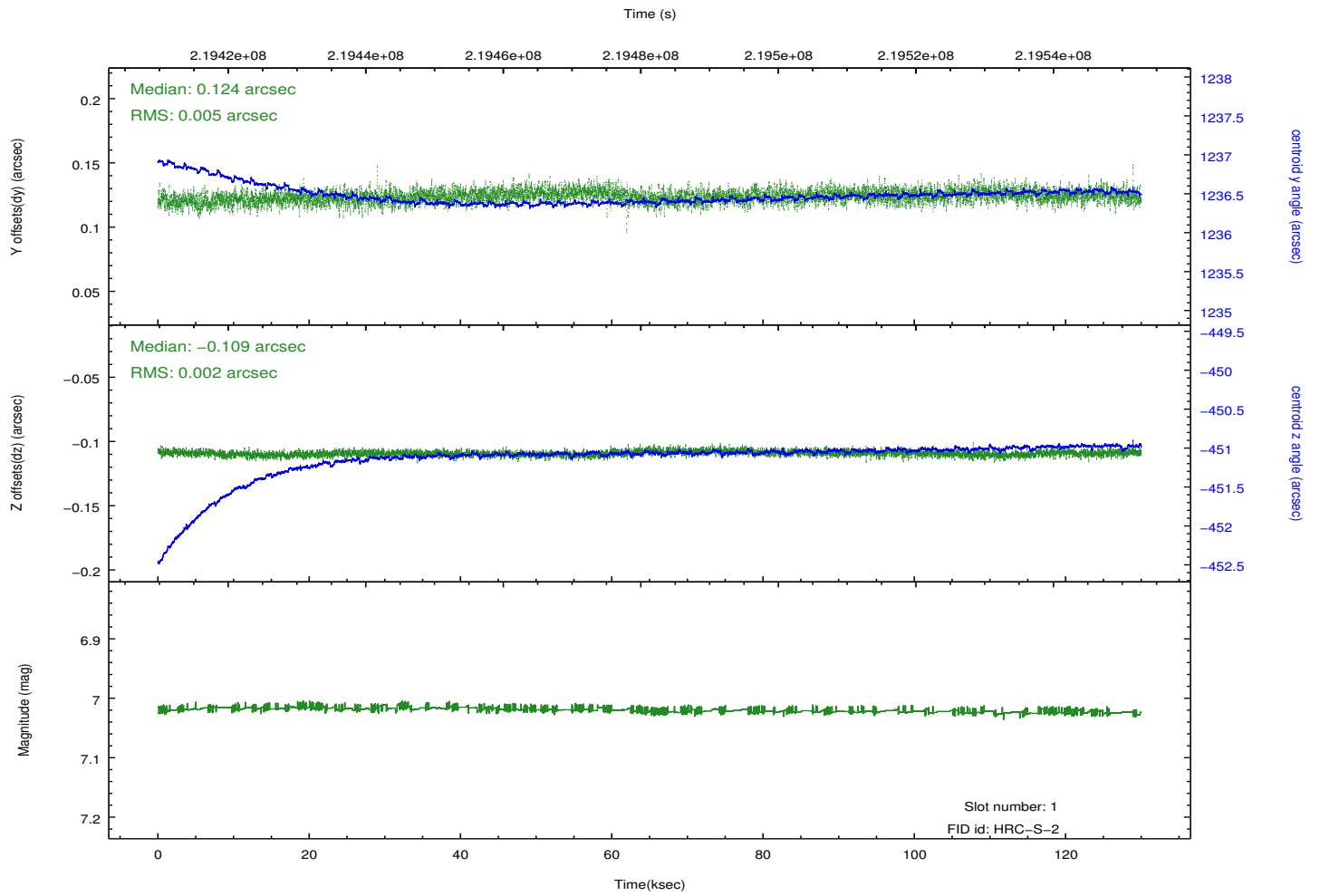
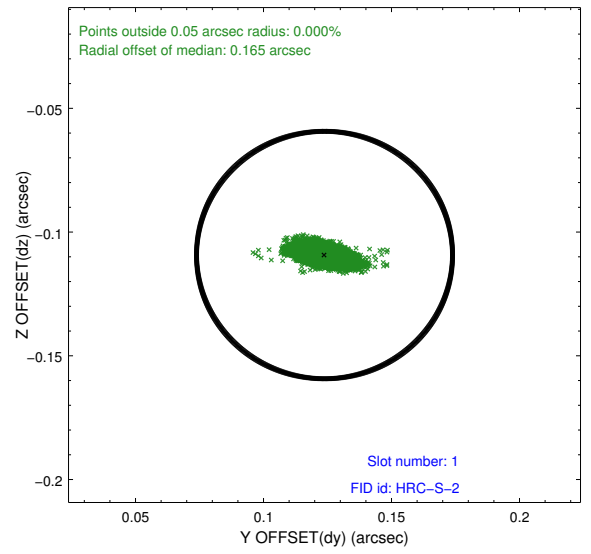
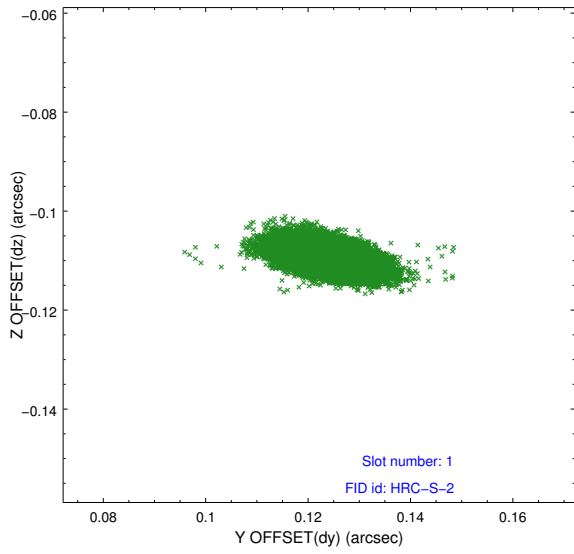


2.5 FID Slots

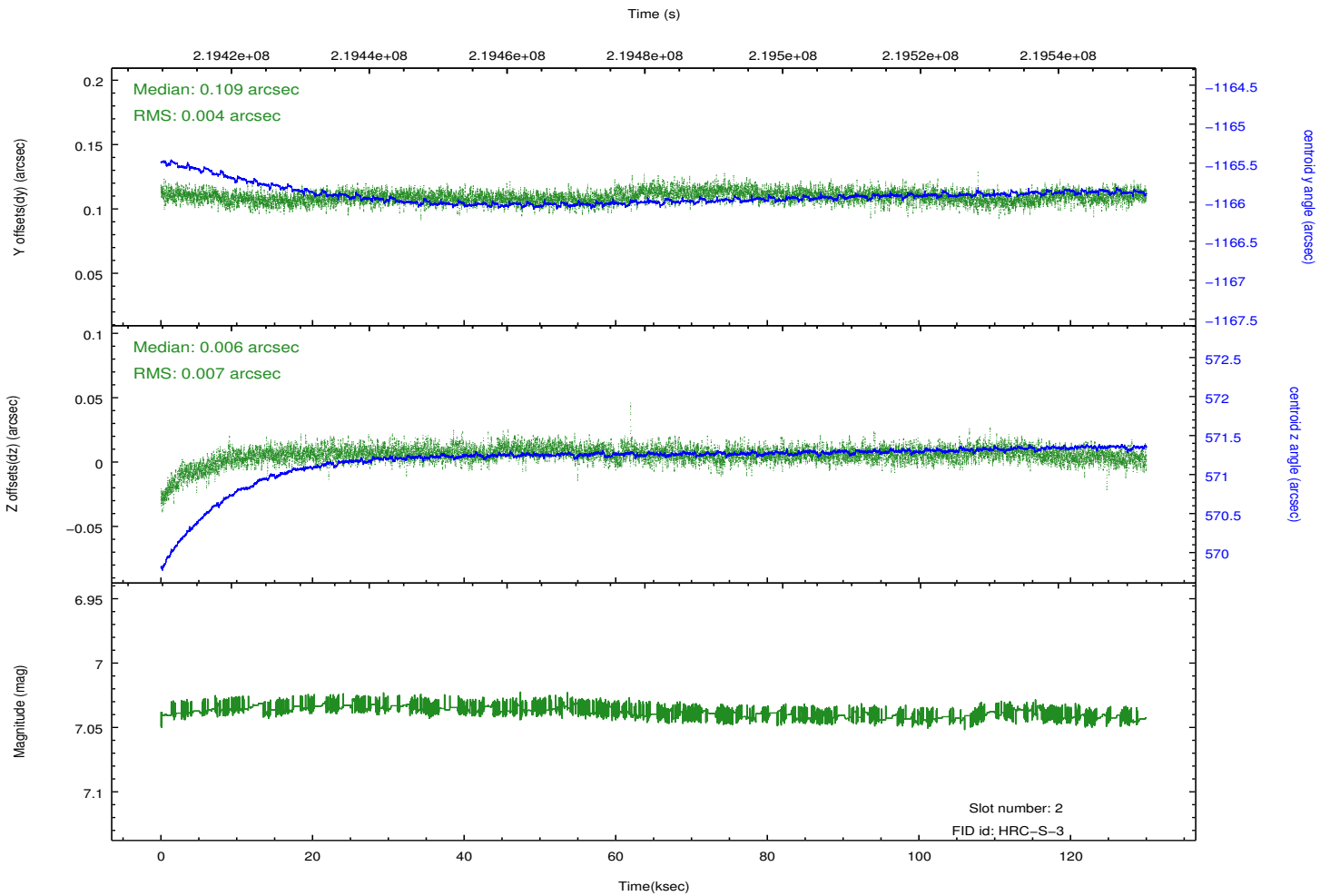
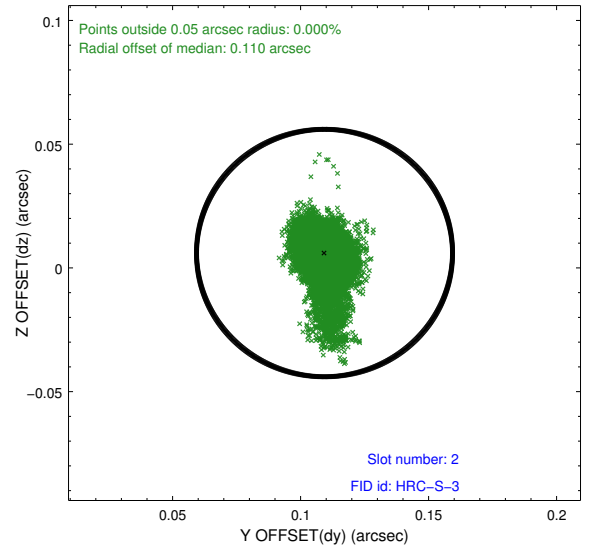
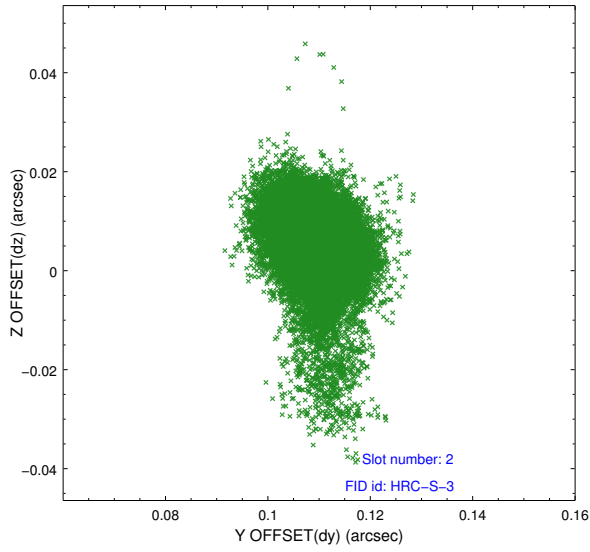
2.5.1 Slot 0



2.5.2 Slot 1

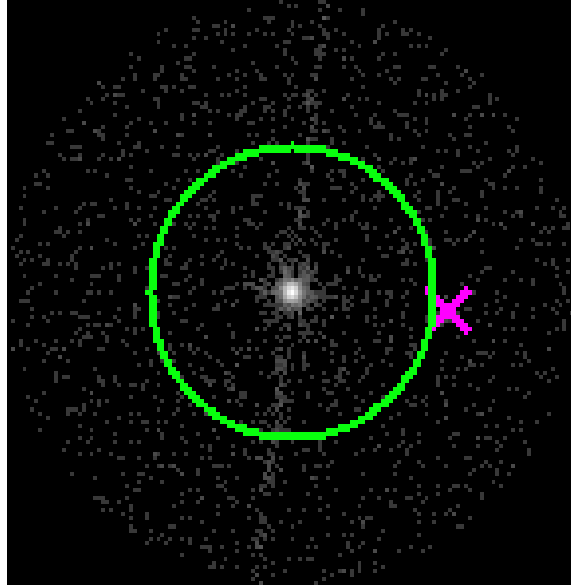


2.5.3 Slot 2

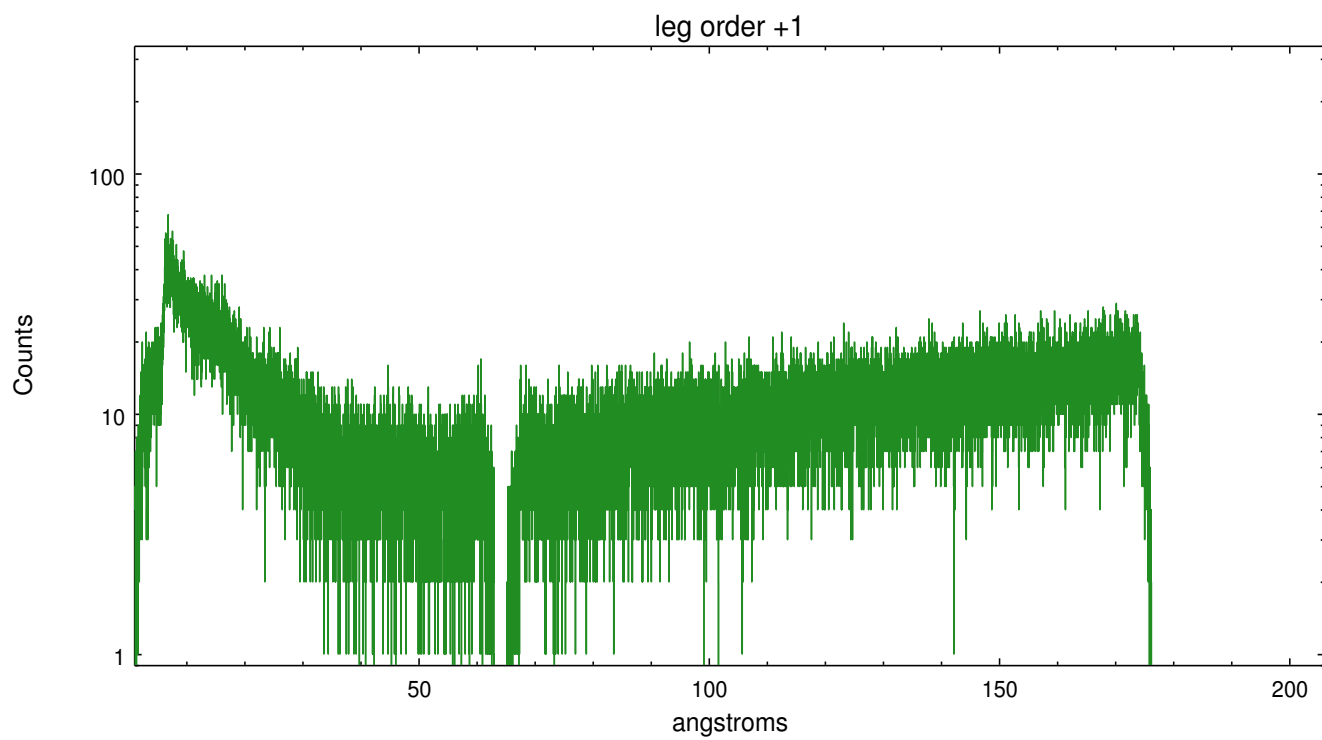
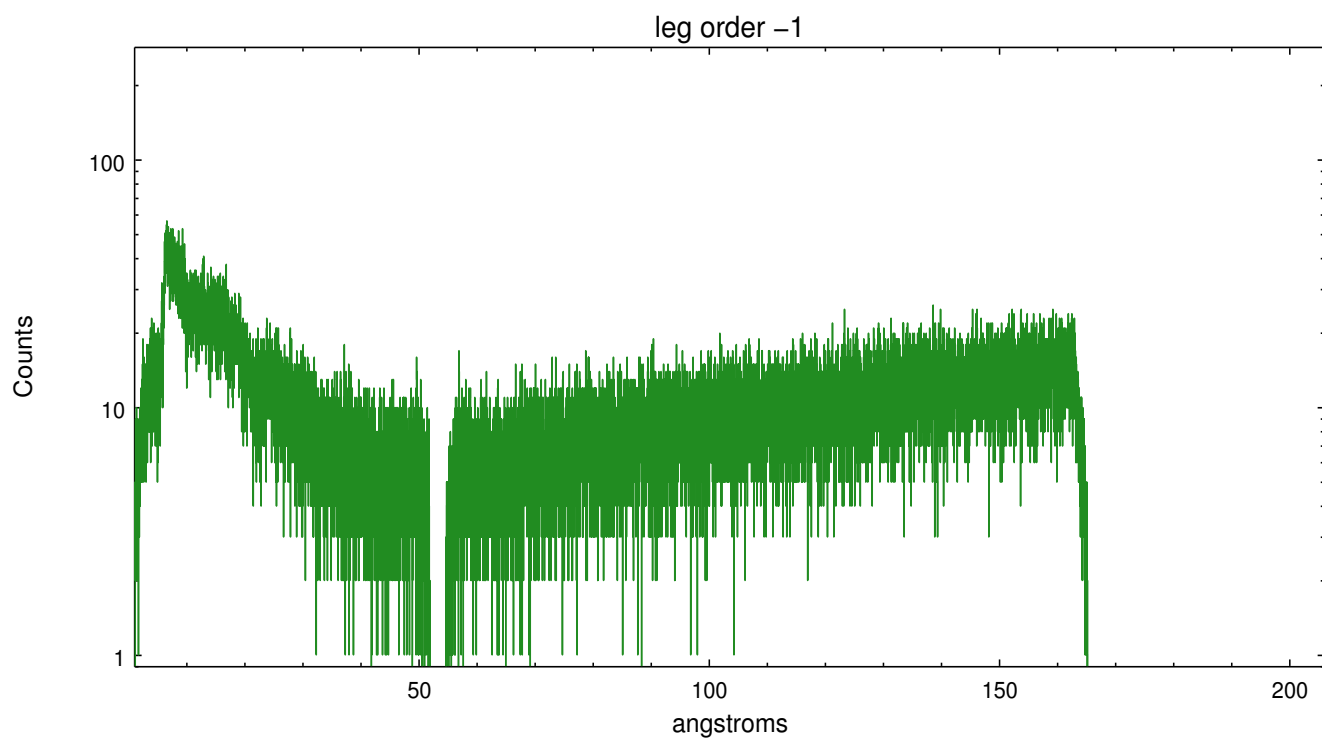


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	129.509

A.2 Comments