

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10762 - L2 Version 3
Chandra X-Ray Center

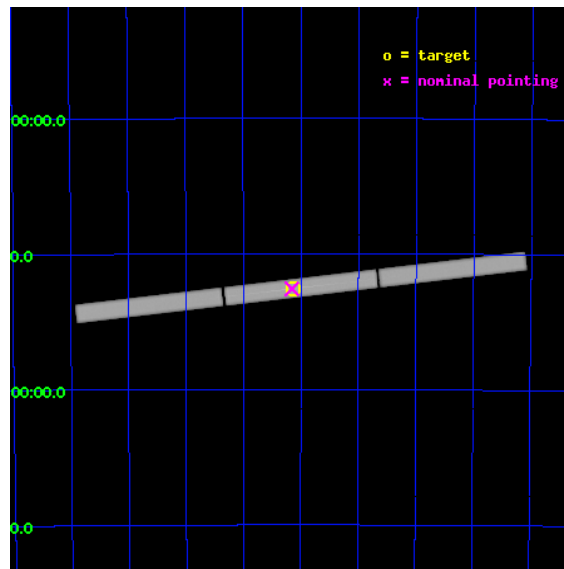
L2 Processing Date : Aug 13 2012

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1 Front

seq_num	900868	Sequence number
obs_id	10762	Observation id
title	A Benchmark Observation of the Warm-Hot Intergalactic Medium	Propo
observer	Dr. Taotao Fang	Principal investigator
object	H 2356-309	Source name
ra_targ	359.782917	Observer's specified target RA [deg]
dec_targ	-30.628056	Observer's specified target Dec [deg]
ra_nom	359.78842127585	Nominal RA [deg]
dec_nom	-30.628690444993	Nominal Dec [deg]
roll_nom	353.27013647028	Nominal Roll [deg]
revision	3	Processing version of data
ontime	35165.701730371	[s]
livetime	34804.661277723	Ontime multiplied by DTCOR
l2events	3061274	Number of level 2 events

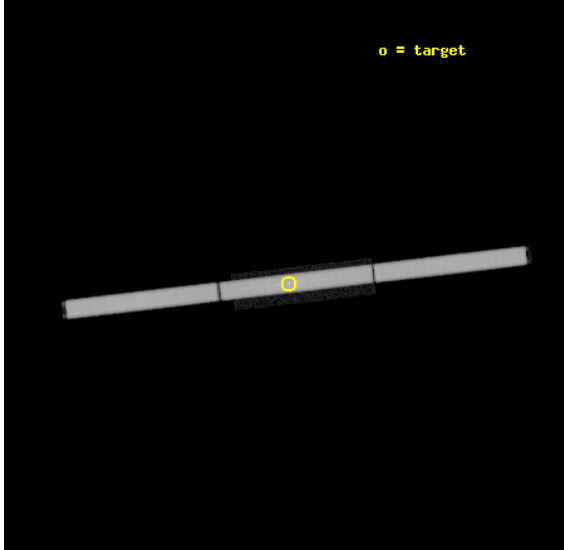


2 OBI

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	35000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35165.701730371	[s]
caldbver	4.5.1.1	 	l1events	4109728	Number of level 1 events
date	2012-08-12T21:13:22	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

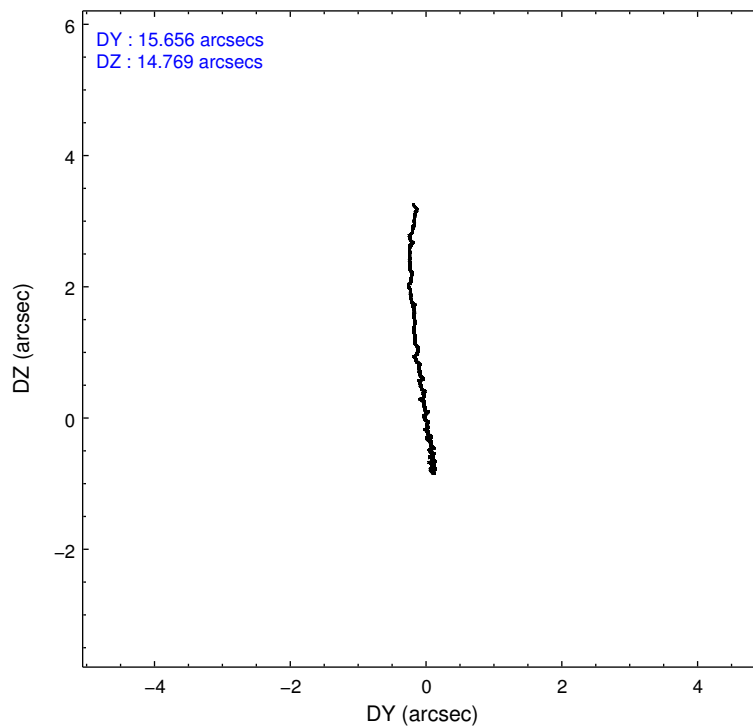
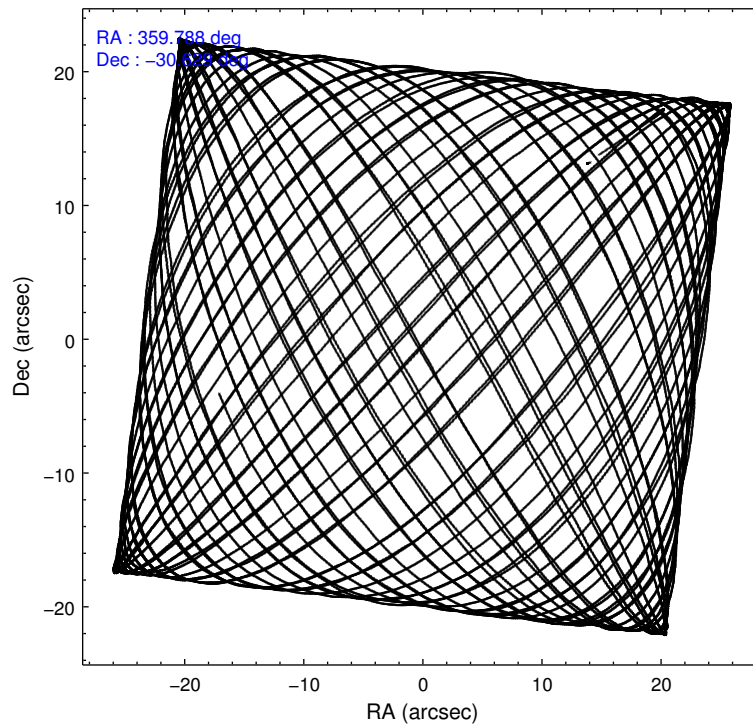
Level 1 Events

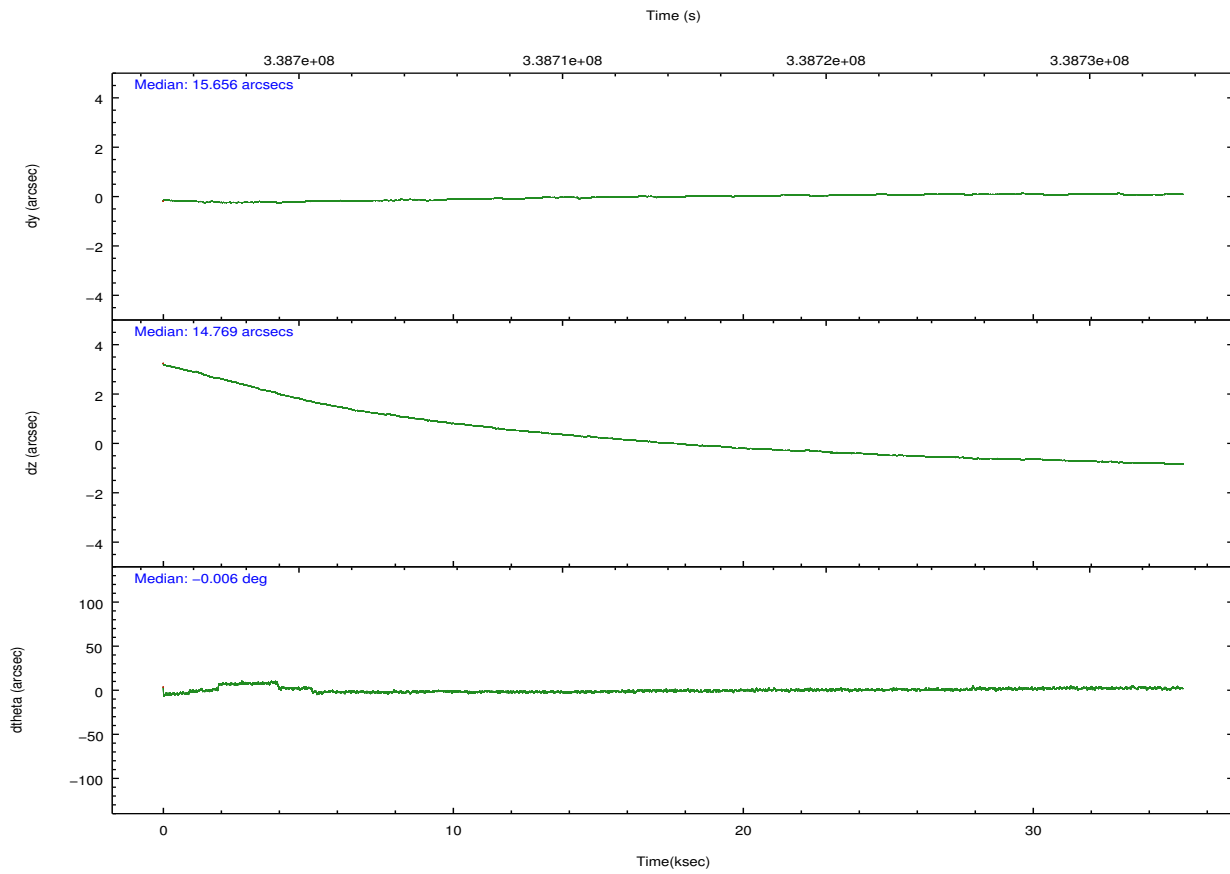
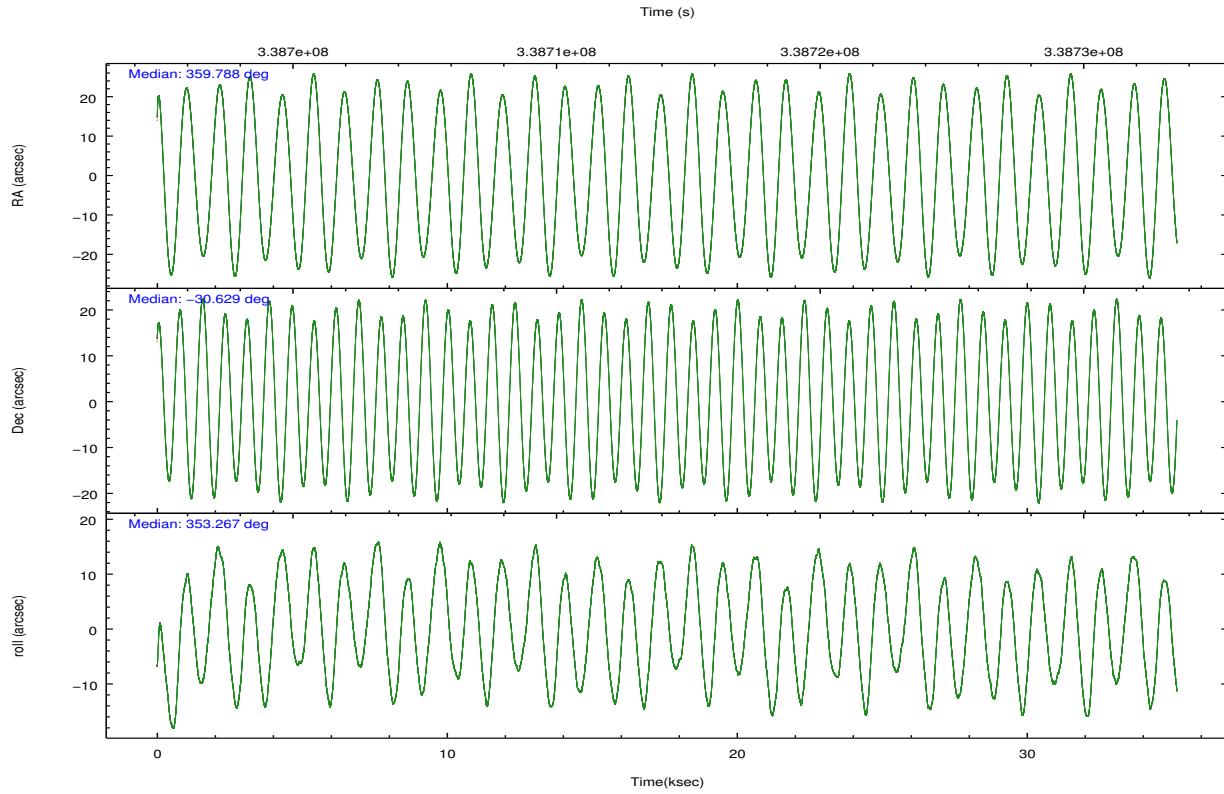
	segment 1	segment 2	segment 3
level 1 events	1354732	1392664	1362332
rejected events	39141	47993	39589
rejected %	2%	3%	2%

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	359.758447	359.7884212758507			
[deg] Pointing Dec	-30.641324	-30.62869044499327			
[deg] Pointing Roll	353.187532	353.2701364702845			
[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)	338696768.184000	338695586.50524			
Observation start date	2008-09-25T02:25:03	2008-09-25T02:06:26			
[s] Observation end time (MET)	338731768.184000	338732703.29457			
Observation end date	2008-09-25T12:08:23	2008-09-25T12:25:03			

2.3 Aspect





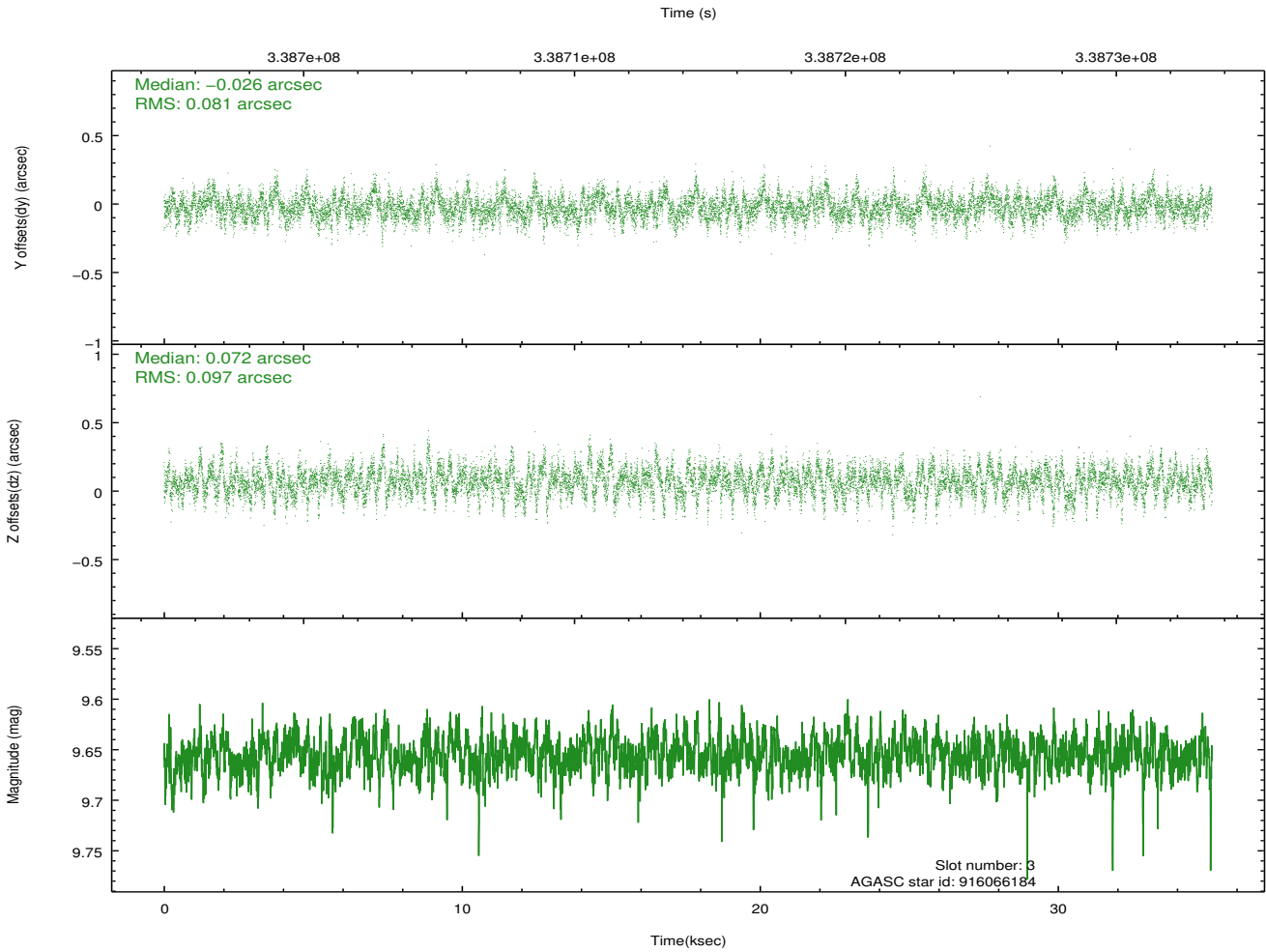
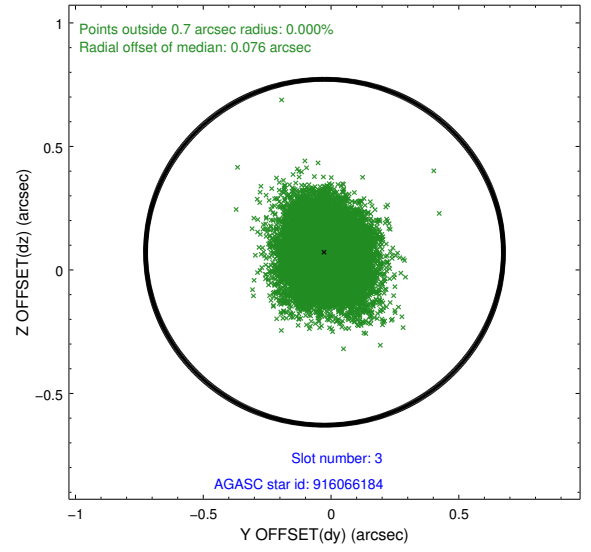
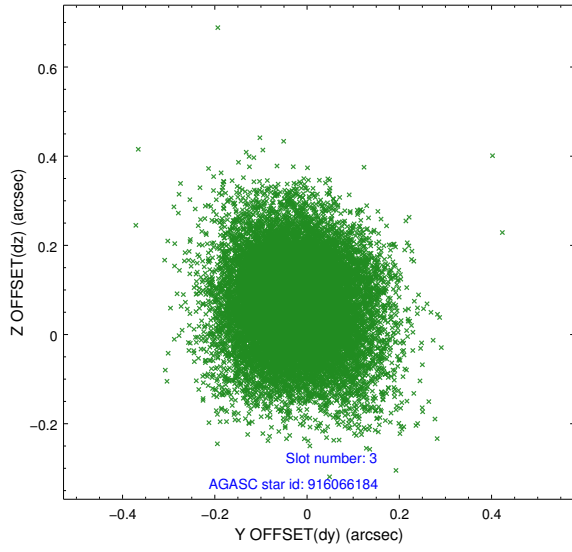
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	8578	0.022	-0.129	0.008	0.017	0.000000	0.000000	-1170.09	-464.00
1	FID	HRC-S-2	7.05	8578	0.184	-0.153	0.031	0.060	0.000000	0.000000	1229.62	-456.63
2	FID	HRC-S-4	7.01	8578	0.196	-0.021	0.030	0.055	0.000000	0.000000	1228.45	568.23
3	GUIDE	916066184	9.66	17124	-0.026	0.072	0.133	0.224	0.174119	-31.230081	1522.73	-1954.81
4	GUIDE	916067744	9.99	17121	0.175	0.092	0.185	0.291	0.549601	-30.250778	2277.76	1679.70
5	GUIDE	985140056	9.54	17142	-0.099	0.007	0.135	0.211	359.169544	-30.957024	-1669.32	-1348.77
6	GUIDE	985144184	10.05	17134	-0.259	-0.086	0.167	0.290	359.125461	-30.330052	-2085.02	873.70
7	GUIDE	916067616	9.36	17136	0.217	-0.086	0.122	0.205	0.517191	-30.685226	2352.53	114.15

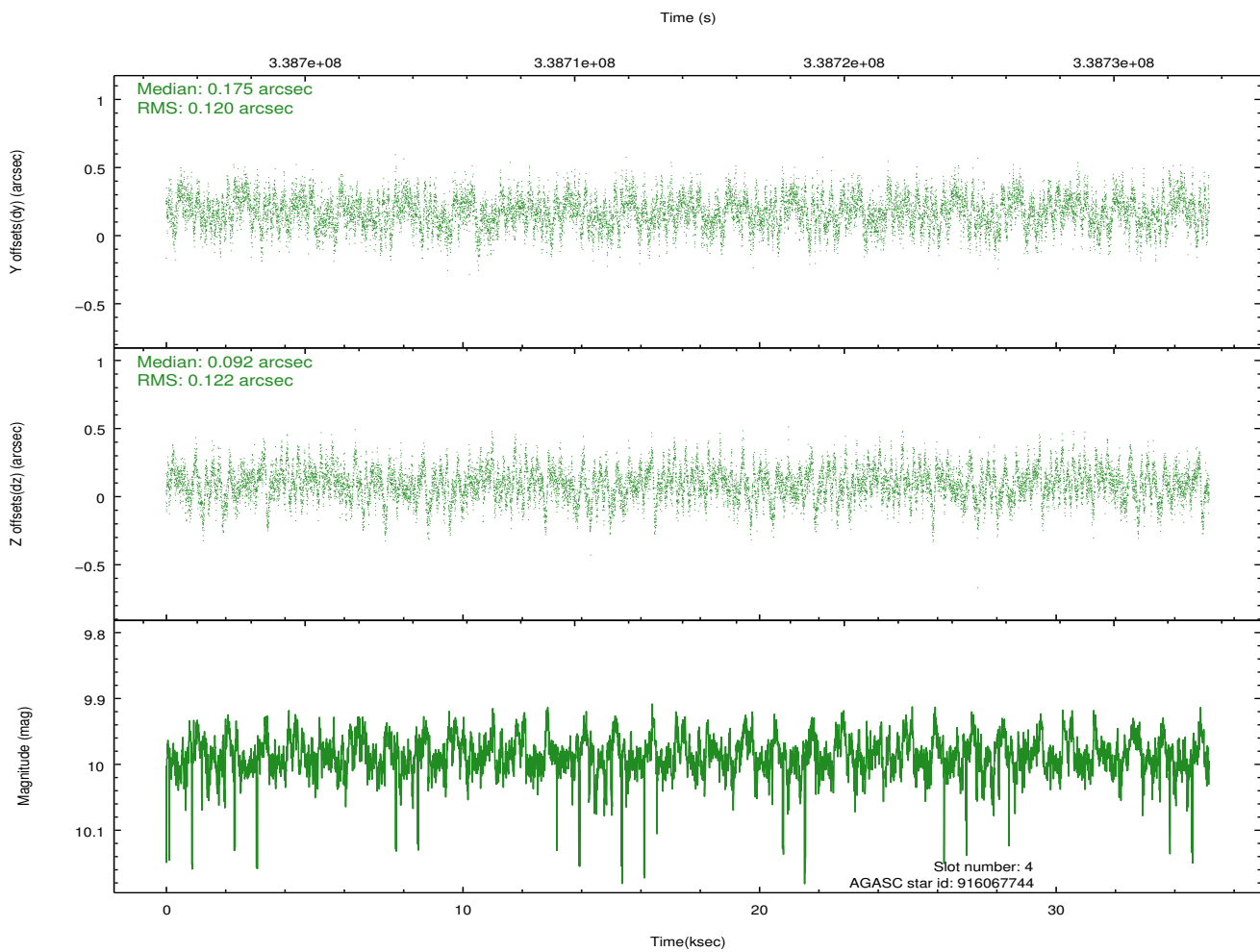
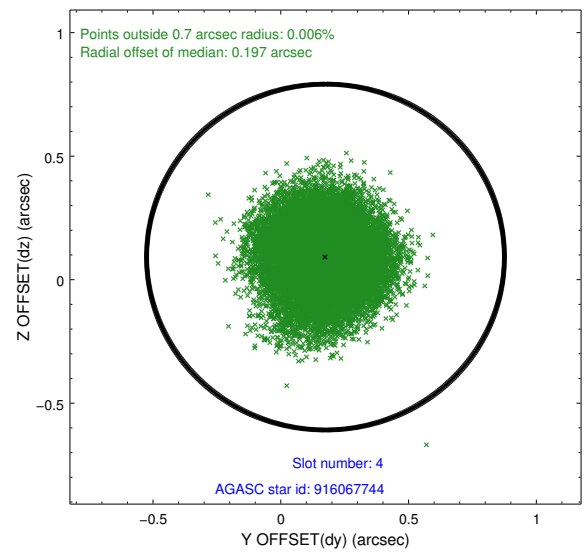
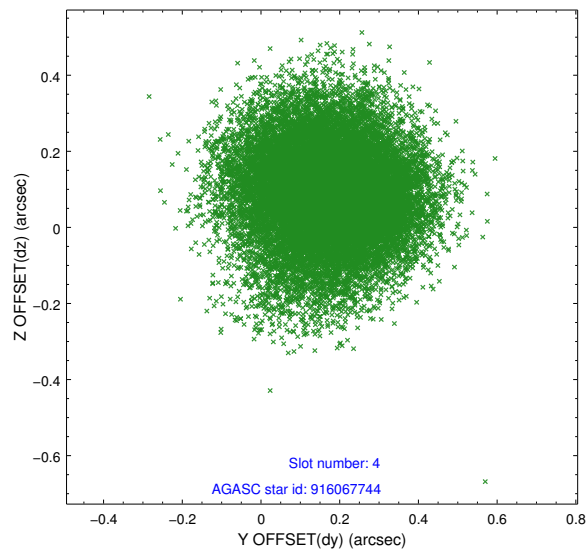
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2.4 Star Slots

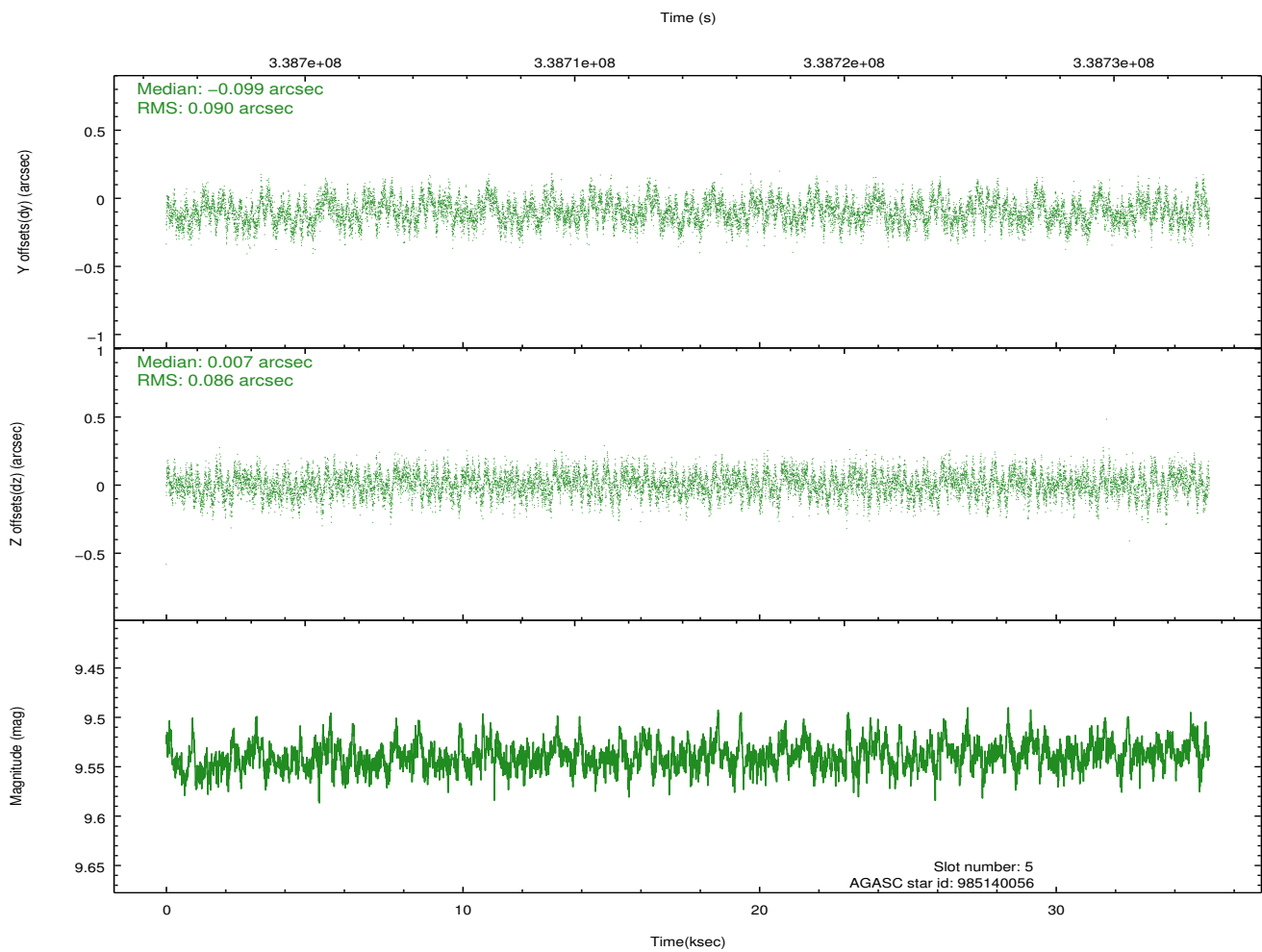
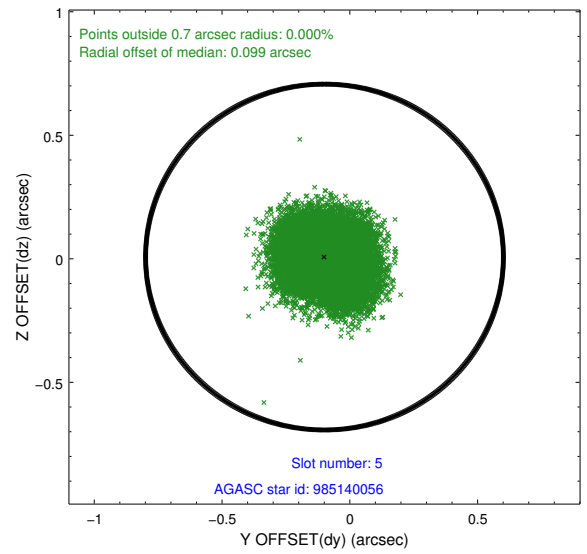
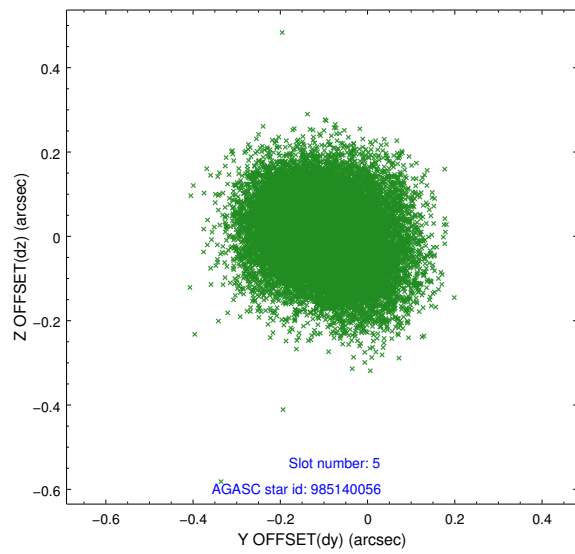
2.4.1 Slot 3



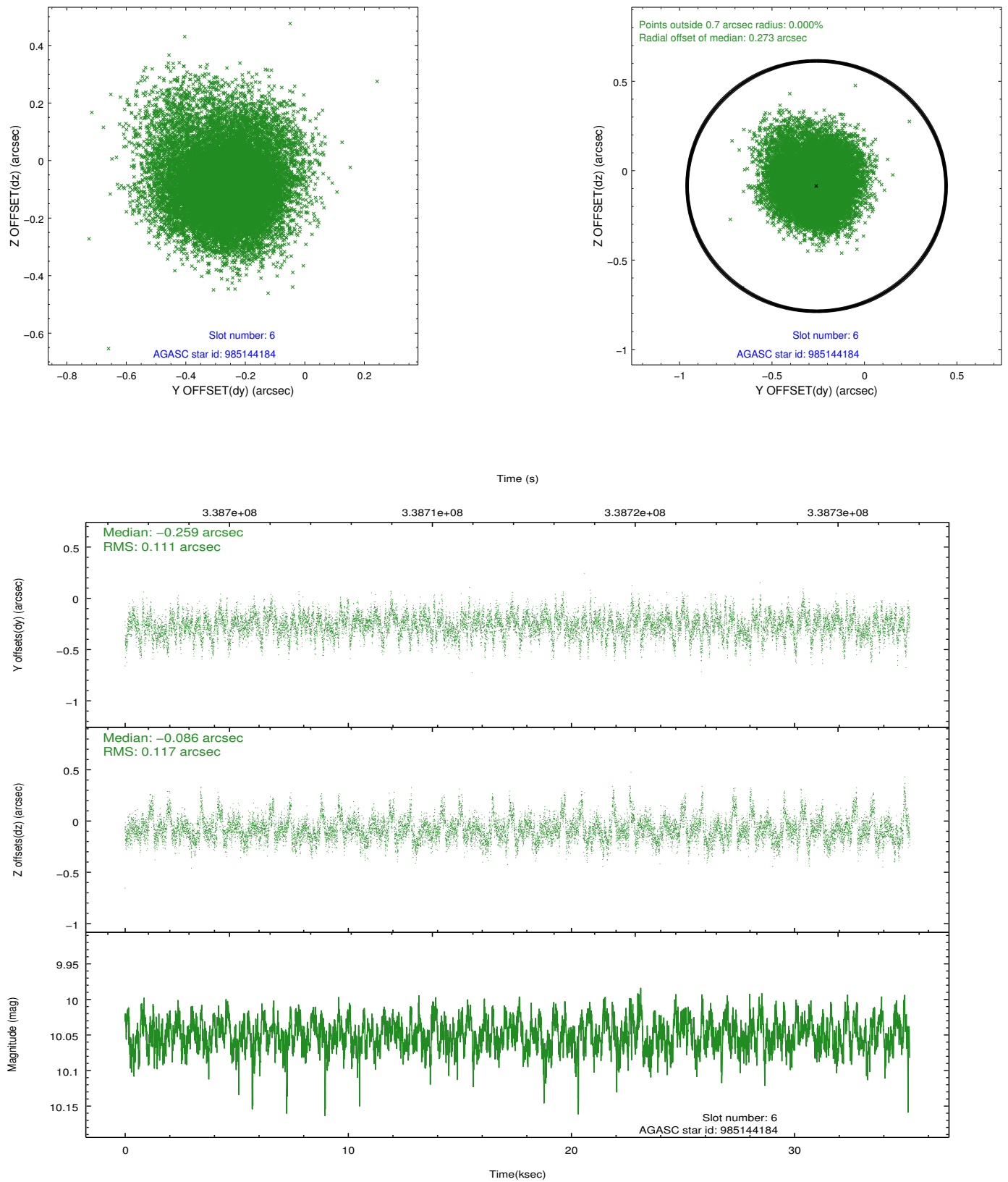
2.4.2 Slot 4



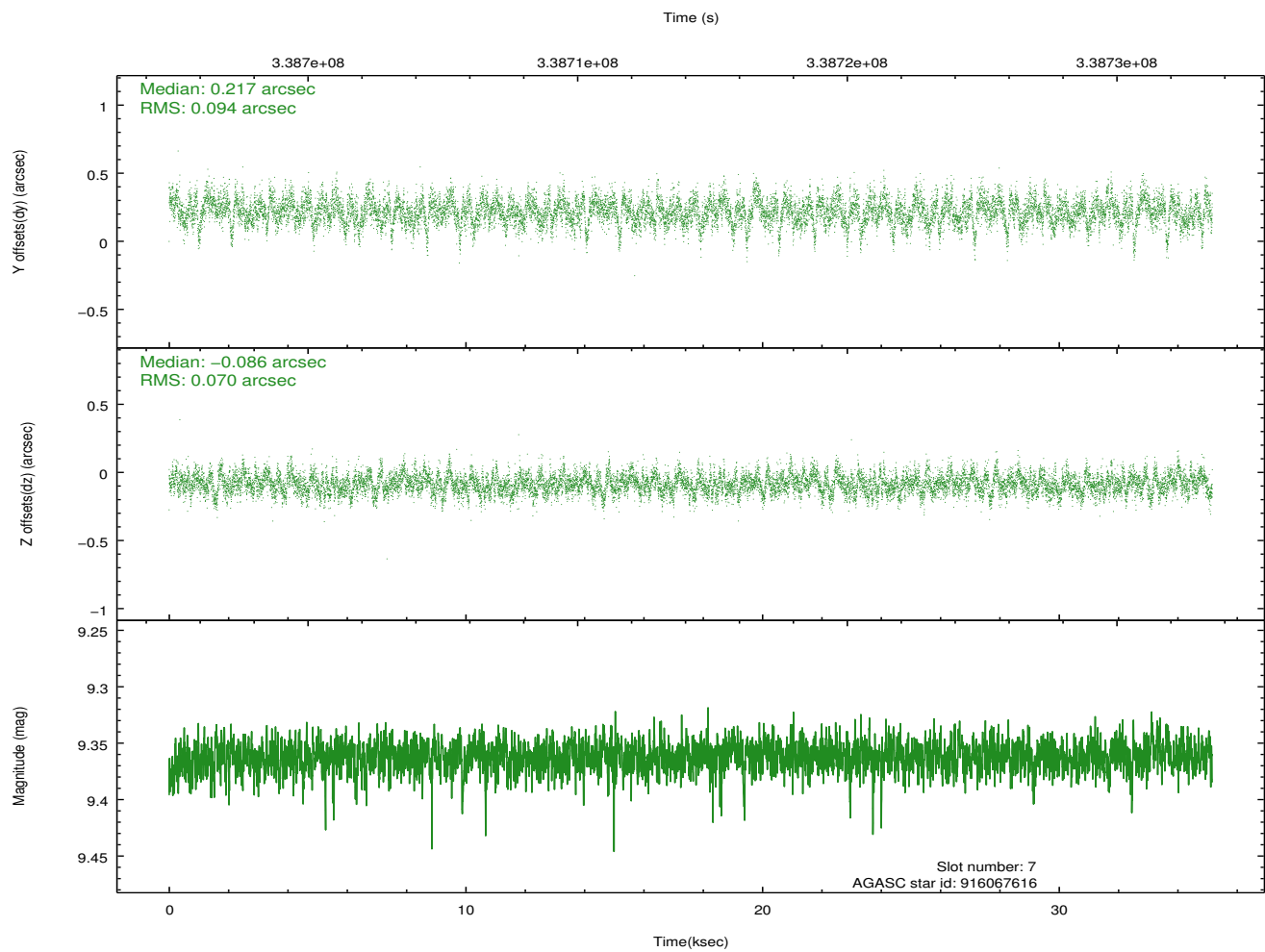
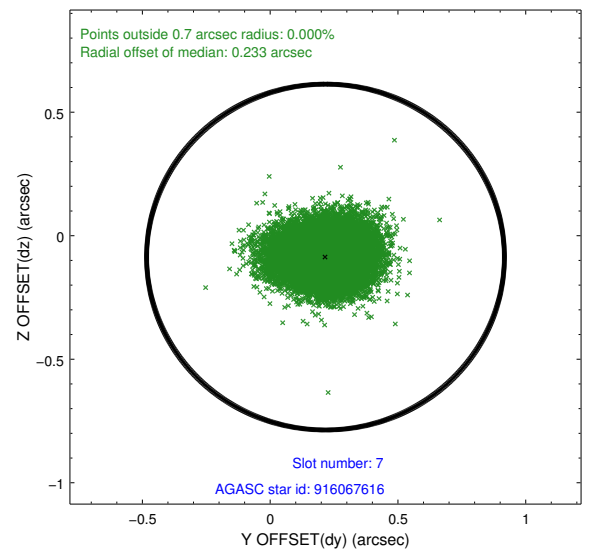
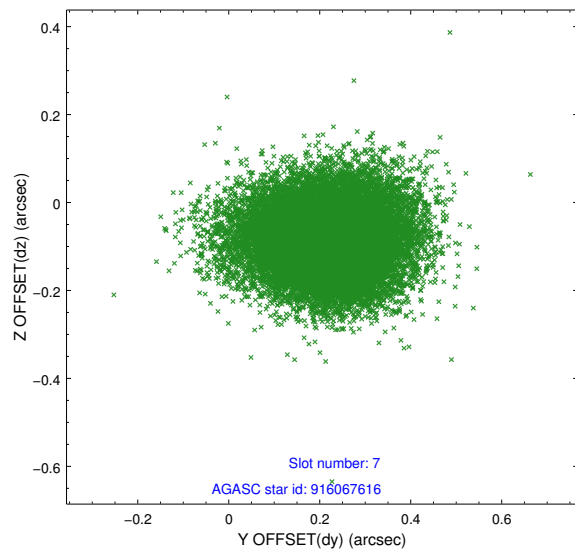
2.4.3 Slot 5



2.4.4 Slot 6

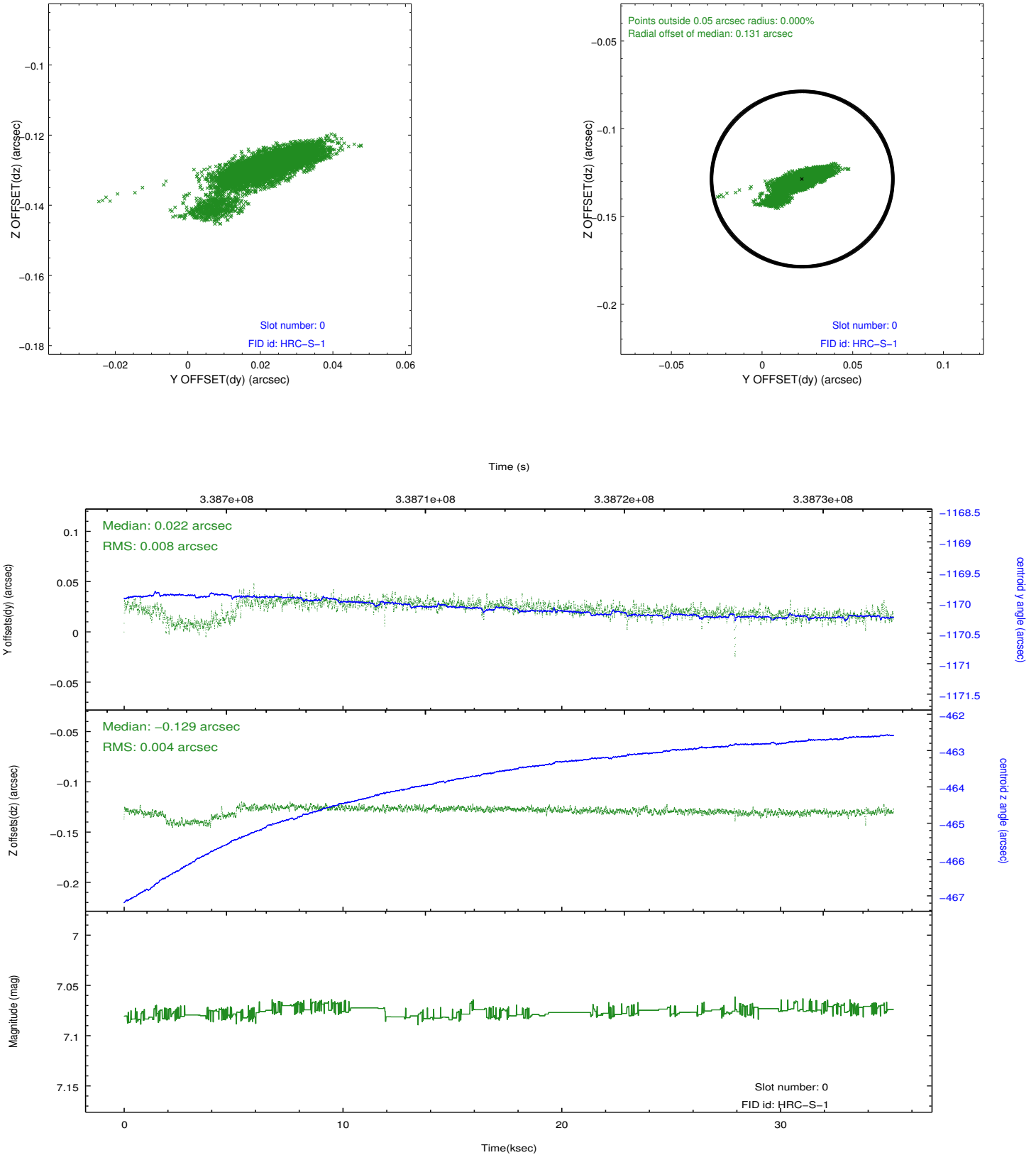


2.4.5 Slot 7

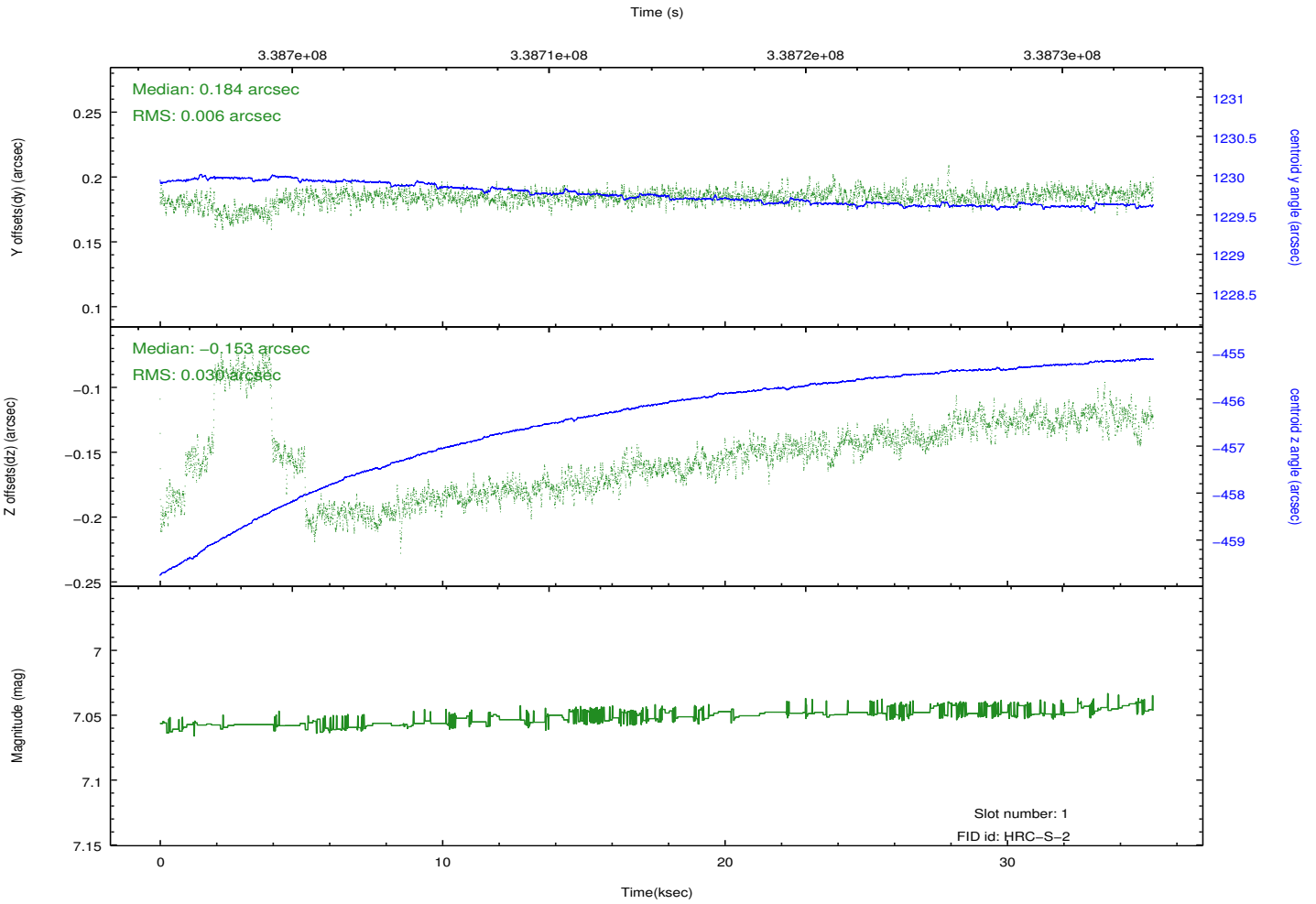
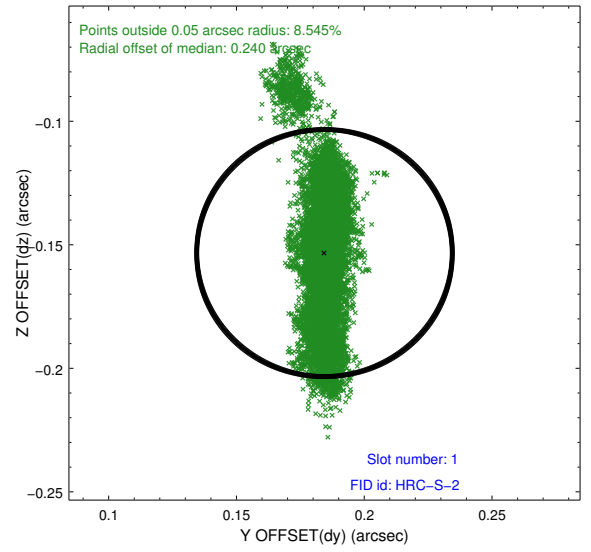
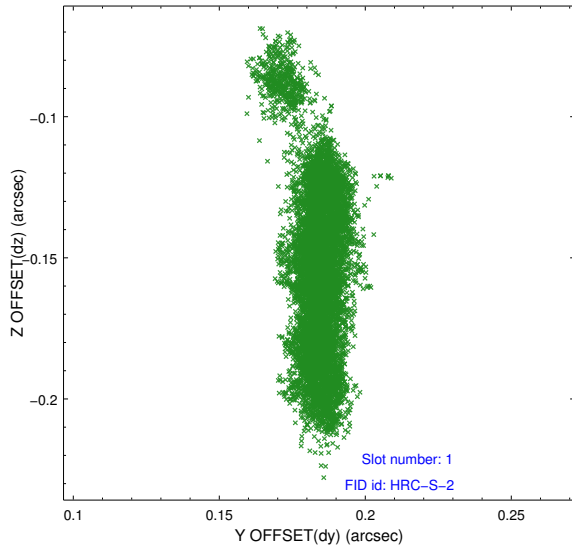


2.5 FID Slots

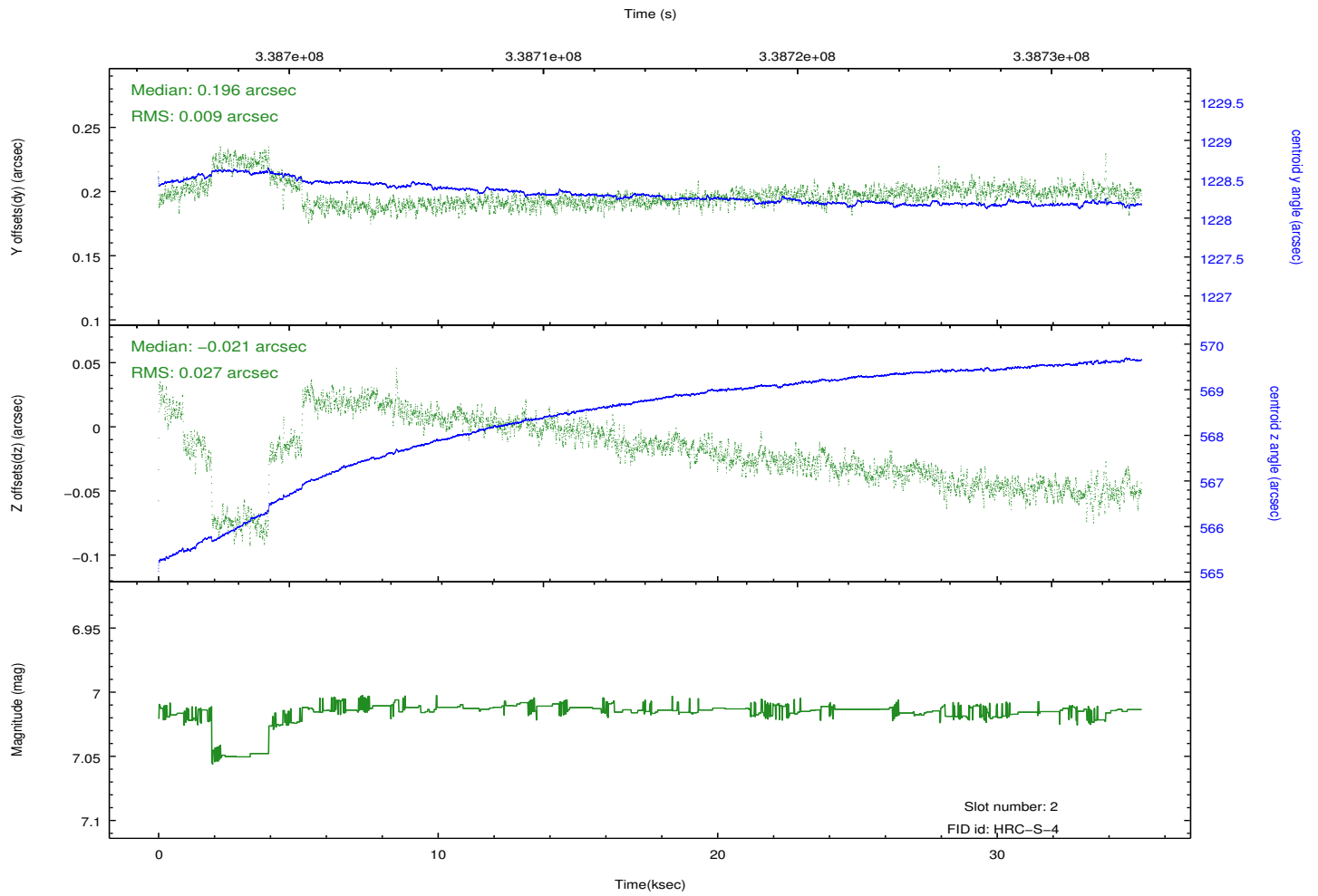
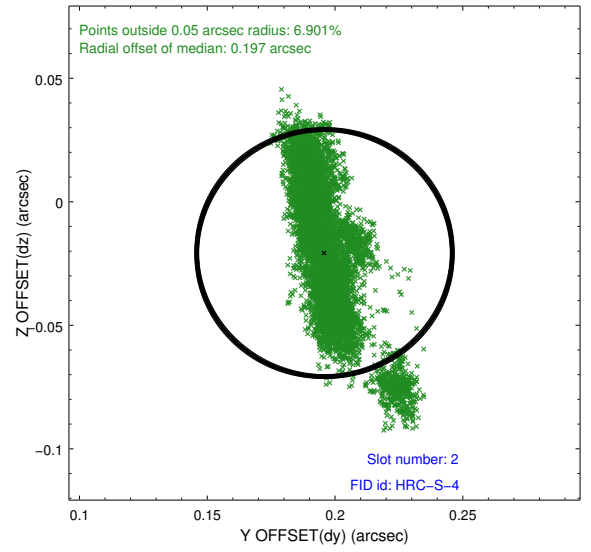
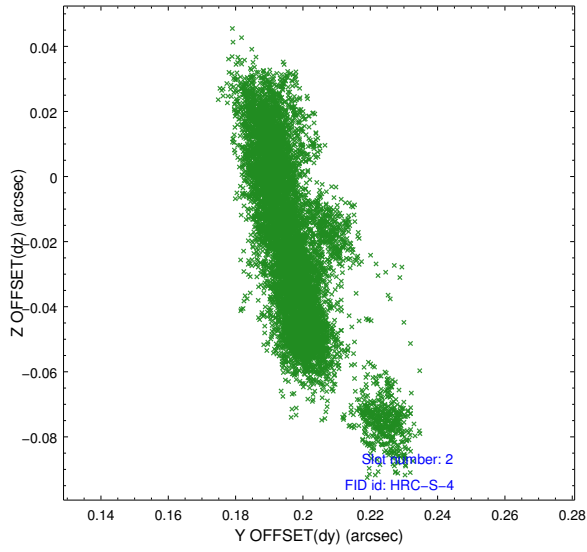
2.5.1 Slot 0



2.5.2 Slot 1

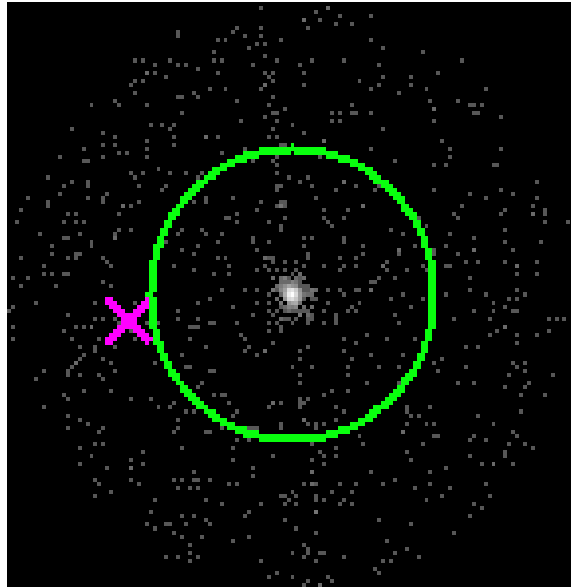


2.5.3 Slot 2



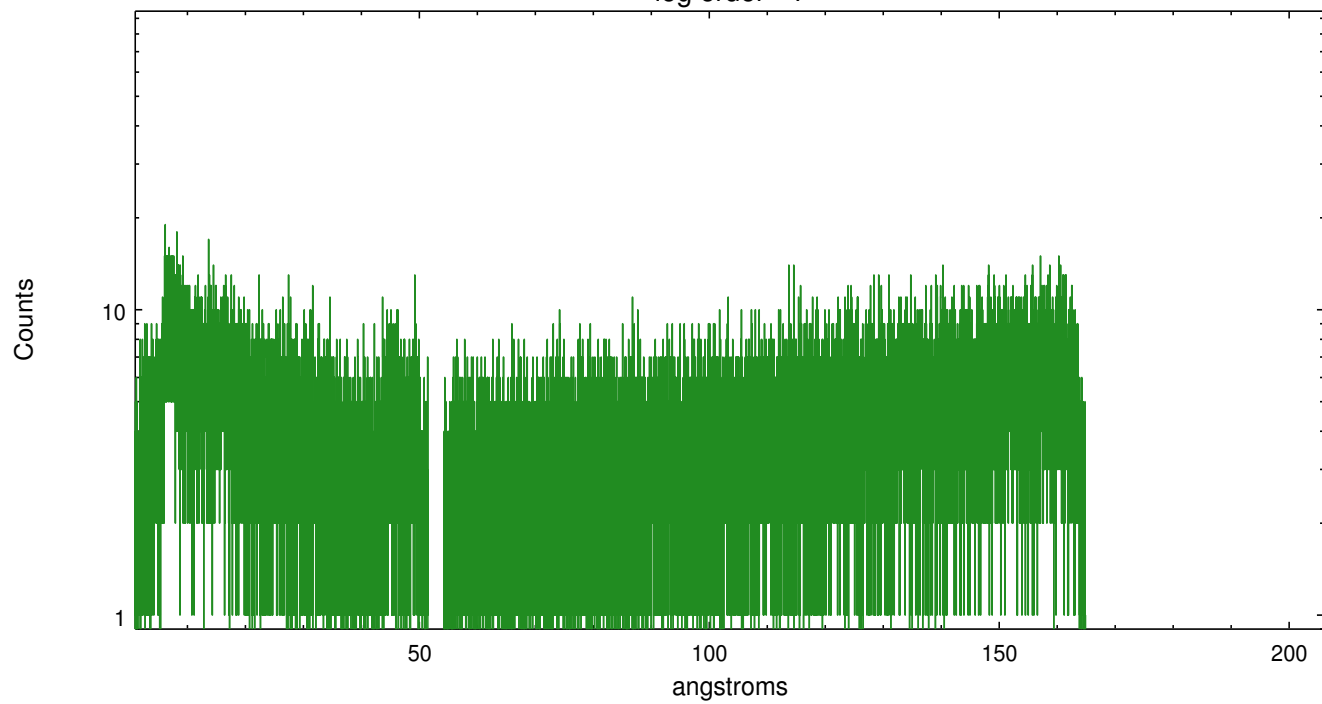
3 Gratings

3.1 LETG Arm

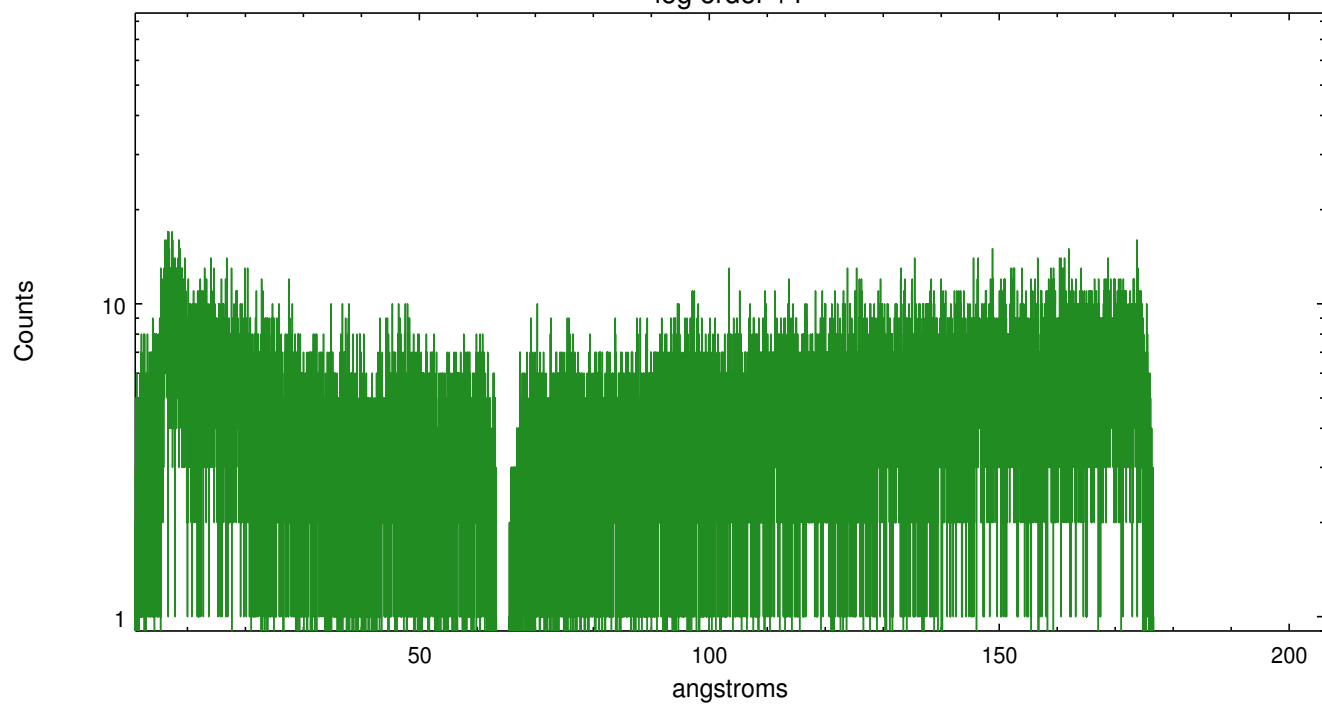


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.1657017

A.2 Comments