

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12401 - L2 Version 4
Chandra X-Ray Center

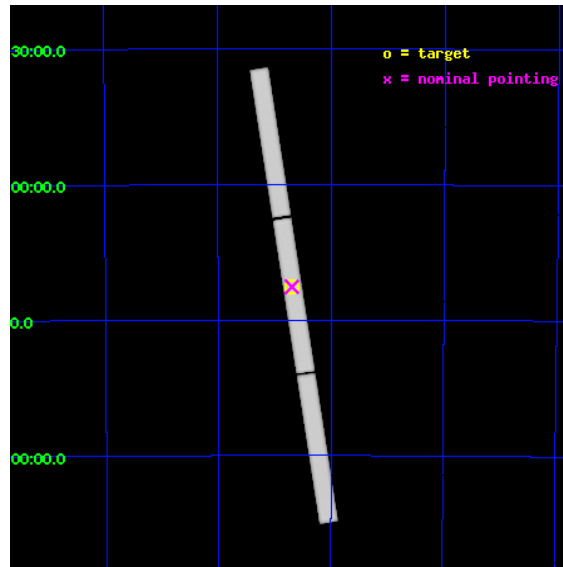
L2 Processing Date : Aug 10 2012

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1 Front

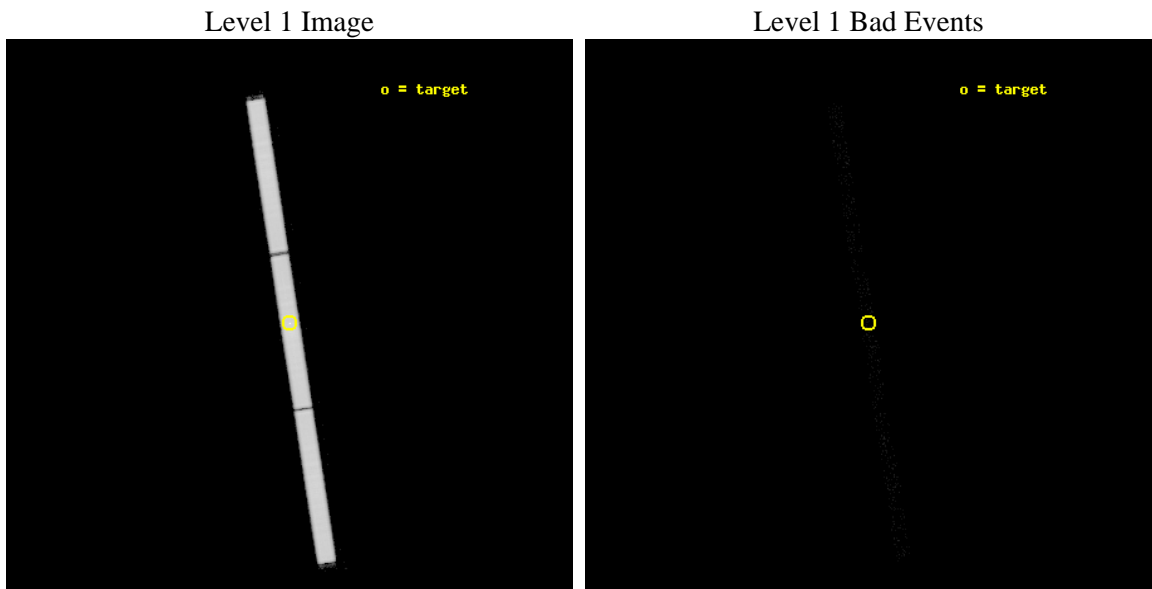
seq_num	300286	Sequence number
obs_id	12401	Observation id
title	A luminous nova in outburst	Proposal title
observer	Marina Orio	Principal investigator
object	T Pyx	Source name
ra_targ	136.172917	Observer's specified target RA [deg]
dec_targ	-32.379861	Observer's specified target Dec [deg]
ra_nom	136.1734334494	Nominal RA [deg]
dec_nom	-32.377625120983	Nominal Dec [deg]
roll_nom	81.060255695666	Nominal Roll [deg]
revision	4	Processing version of data
ontime	40134.133362591	[s]
livetime	39809.242915401	Ontime multiplied by DTCOR
l2events	2799266	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40134.133362591	[s]
caldbver	4.5.1.1	 	l1events	3661932	Number of level 1 events
date	2012-08-10T03:58:12	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

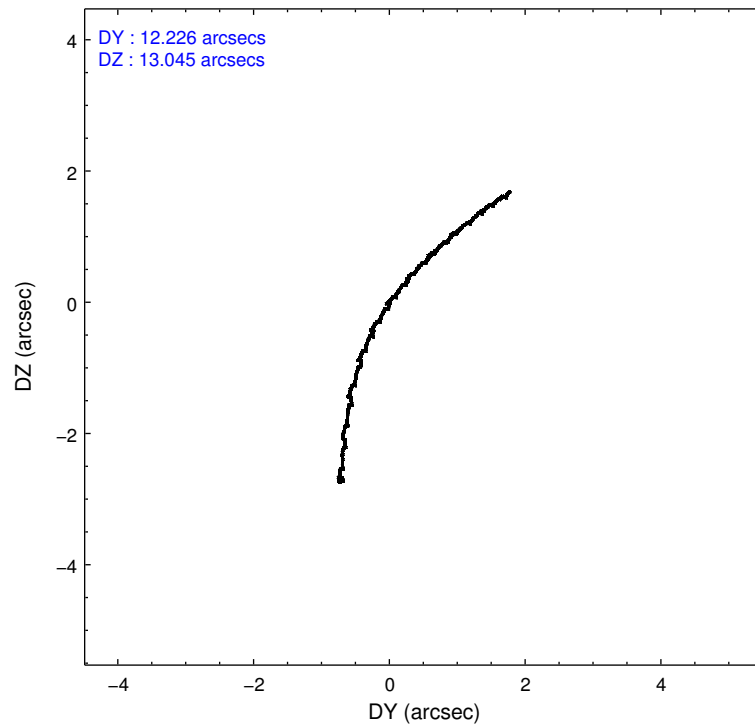
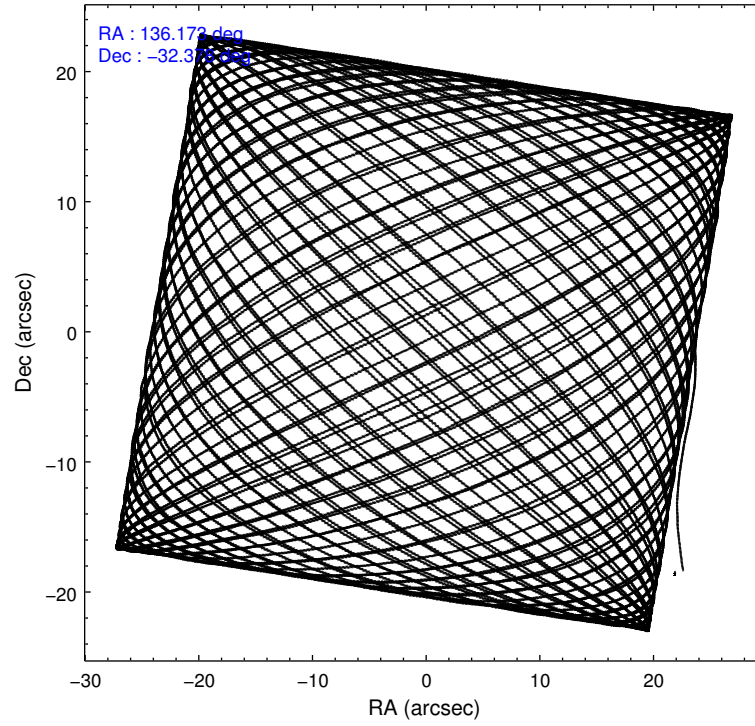
Level 1 Events

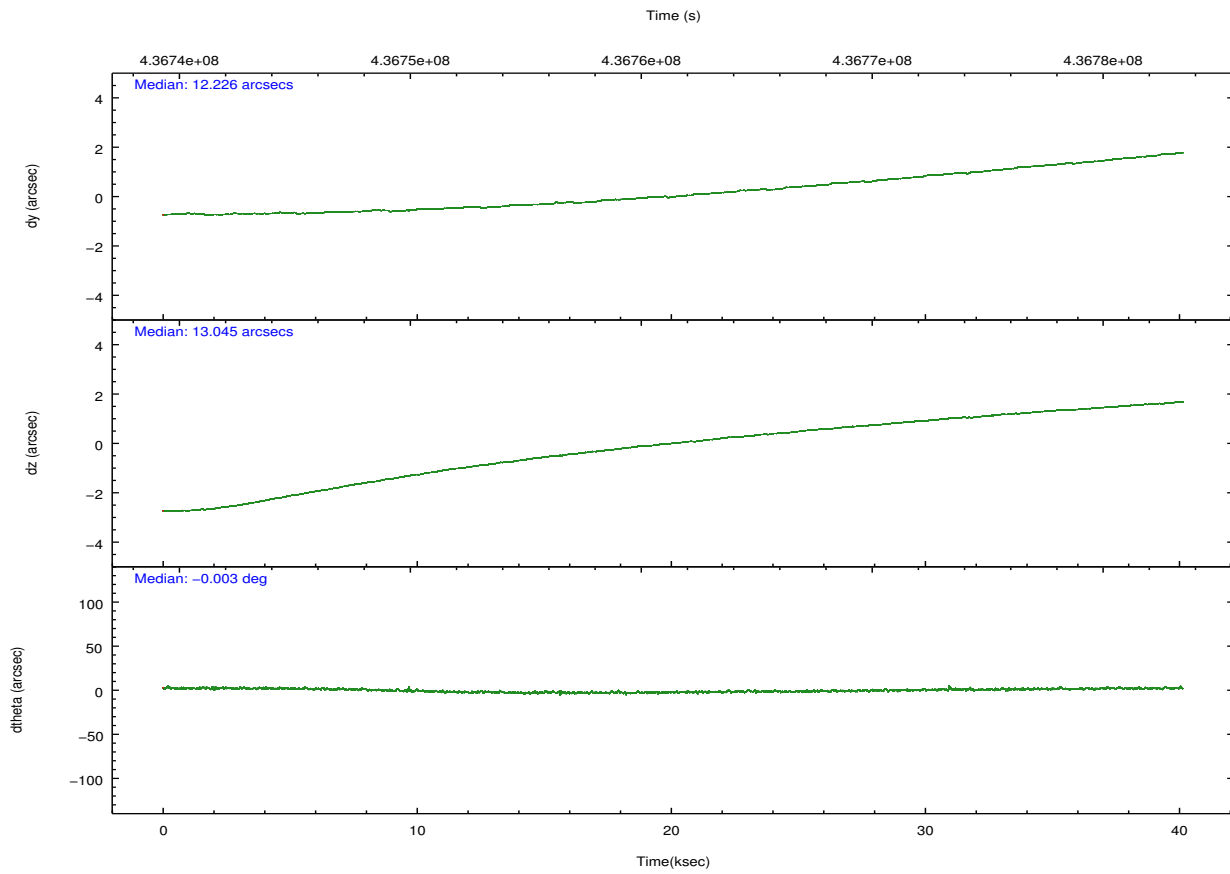
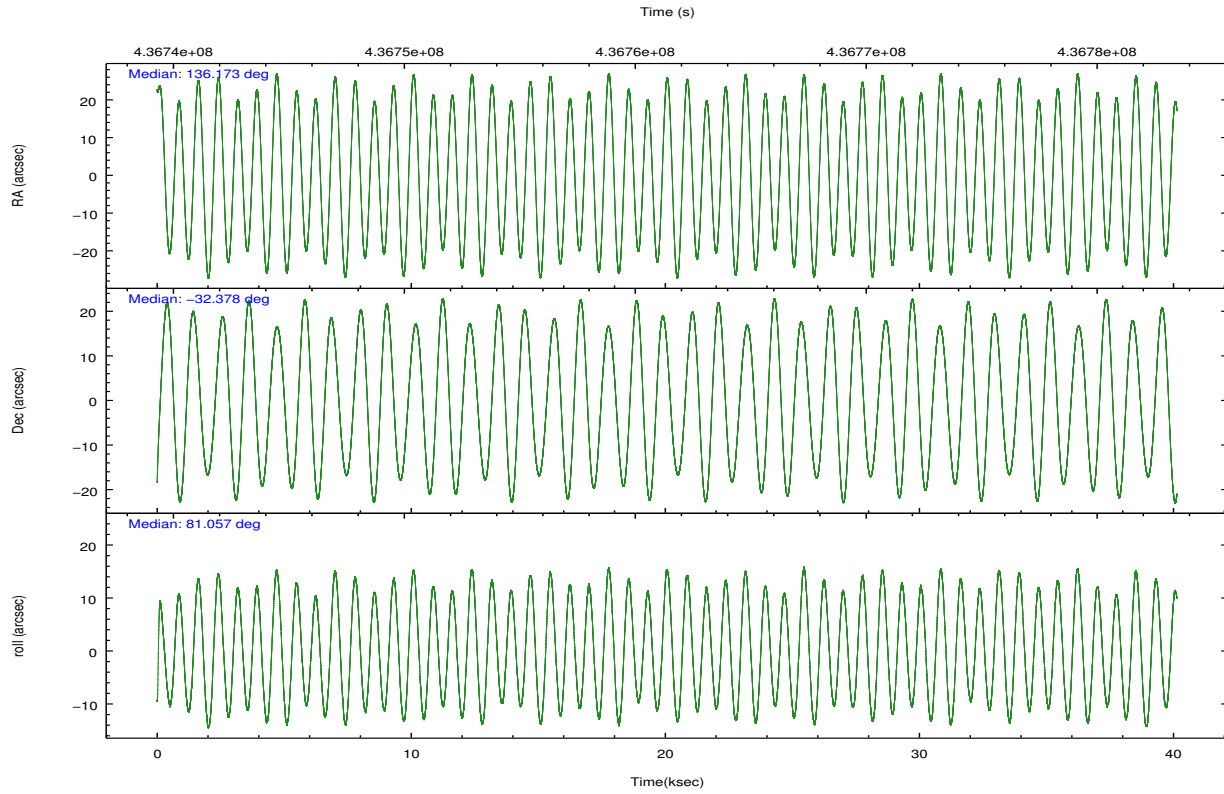
	segment 1	segment 2	segment 3
level 1 events	1213085	1223527	1225320
rejected events	28387	28282	28509
rejected %	2%	2%	2%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S			
Grating	LETG	LETG			
Data mode	OBSERVING	OBSERVING	Obspar file type	PREDICTED	ACTUAL
Observation mode	POINTING	POINTING			
[deg] Pointing RA	136.187191	136.1734334494019	Obspar update status	NONE	UPDATED
[deg] Pointing Dec	-32.403879	-32.37762512098342			
[deg] Pointing Roll	81.000296	81.06025569566606			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	436741447.184000	436740338.20595			
Observation start date	2011-11-03T21:03:01	2011-11-03T20:45:38			
[s] Observation end time (MET)	436781447.184000	436782044.43315			
Observation end date	2011-11-04T08:09:41	2011-11-04T08:20:44			

2.3 Aspect



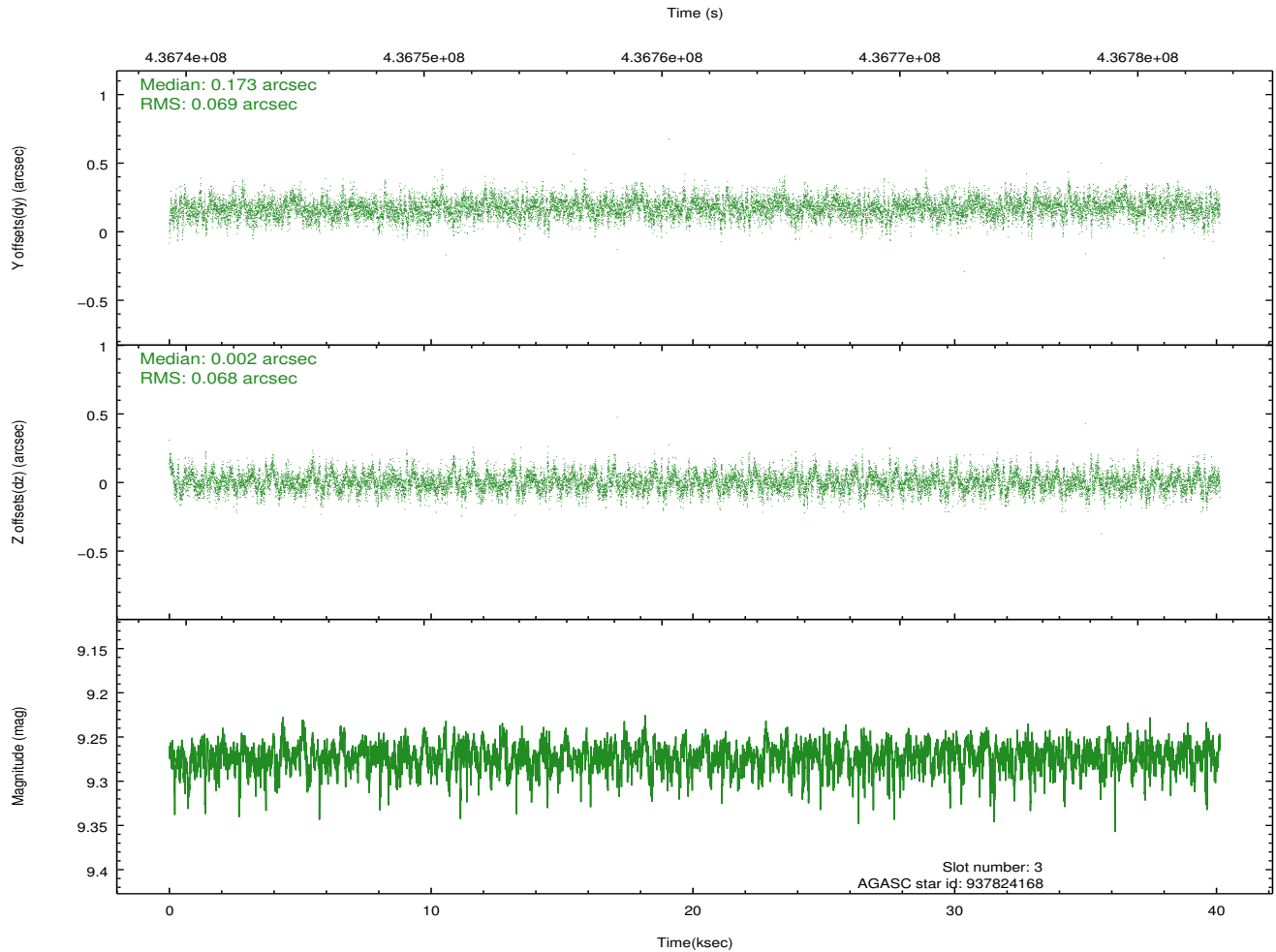
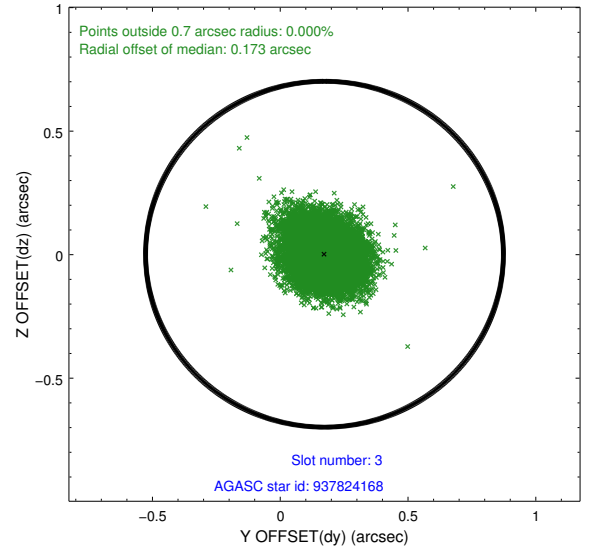
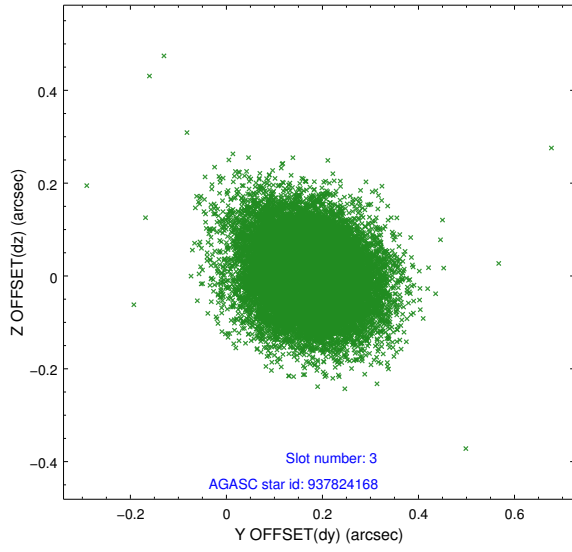


Slot Statistics

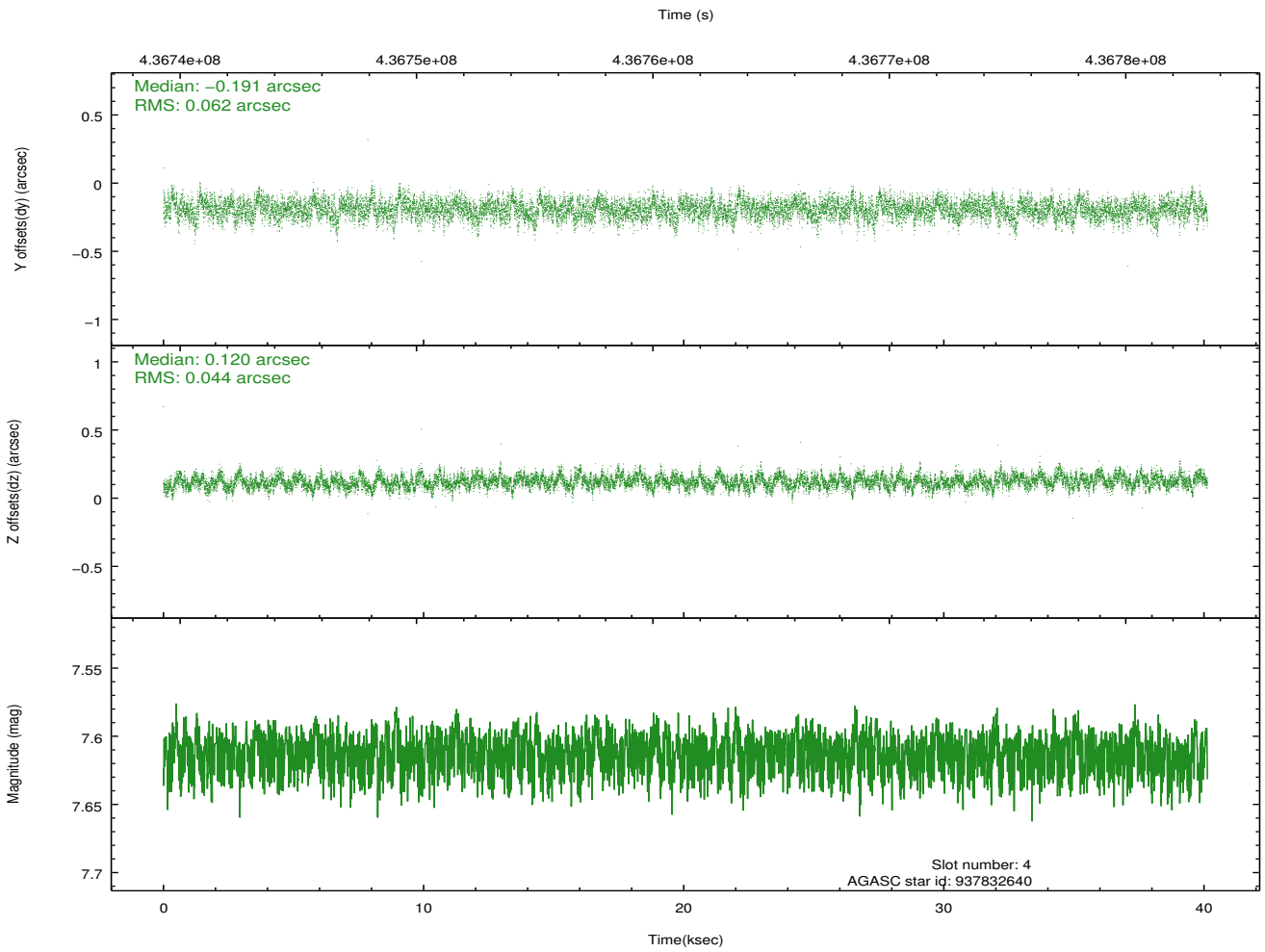
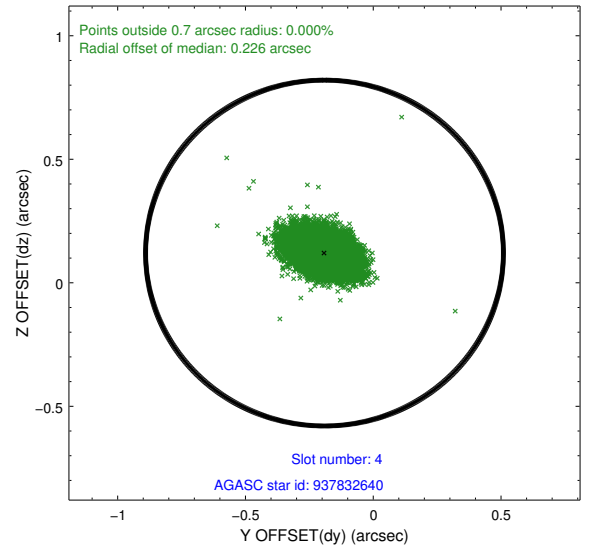
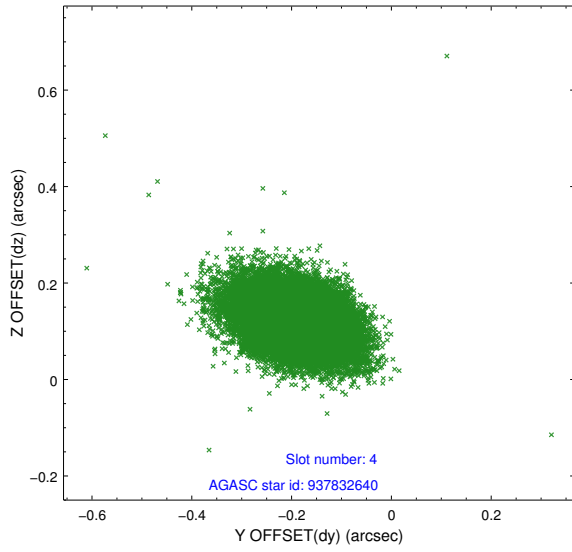
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	9788	0.056	-0.174	0.042	0.056	0.000000	0.000000	-1166.78	-461.56
1	FID	HRC-S-2	7.01	9787	0.283	-0.134	0.028	0.044	0.000000	0.000000	1233.00	-454.23
2	FID	HRC-S-3	7.02	9789	0.052	0.007	0.044	0.054	0.000000	0.000000	-1169.37	568.10
3	GUIDE	937824168	9.27	19557	0.173	0.002	0.102	0.170	135.922945	-32.911857	-1931.74	502.75
4	GUIDE	937832640	7.61	19571	-0.191	0.120	0.079	0.133	136.961179	-32.038023	1662.06	-2127.71
5	GUIDE	937839048	9.39	19564	0.216	0.083	0.130	0.207	136.496287	-32.832453	-1378.37	-1164.90
6	GUIDE	937829280	8.87	19561	-0.289	-0.191	0.102	0.163	135.716733	-31.898439	1569.09	1705.11
7	GUIDE	937826768	8.72	19566	0.099	-0.013	0.083	0.132	135.967374	-32.659484	-1013.37	514.28

2.4 Star Slots

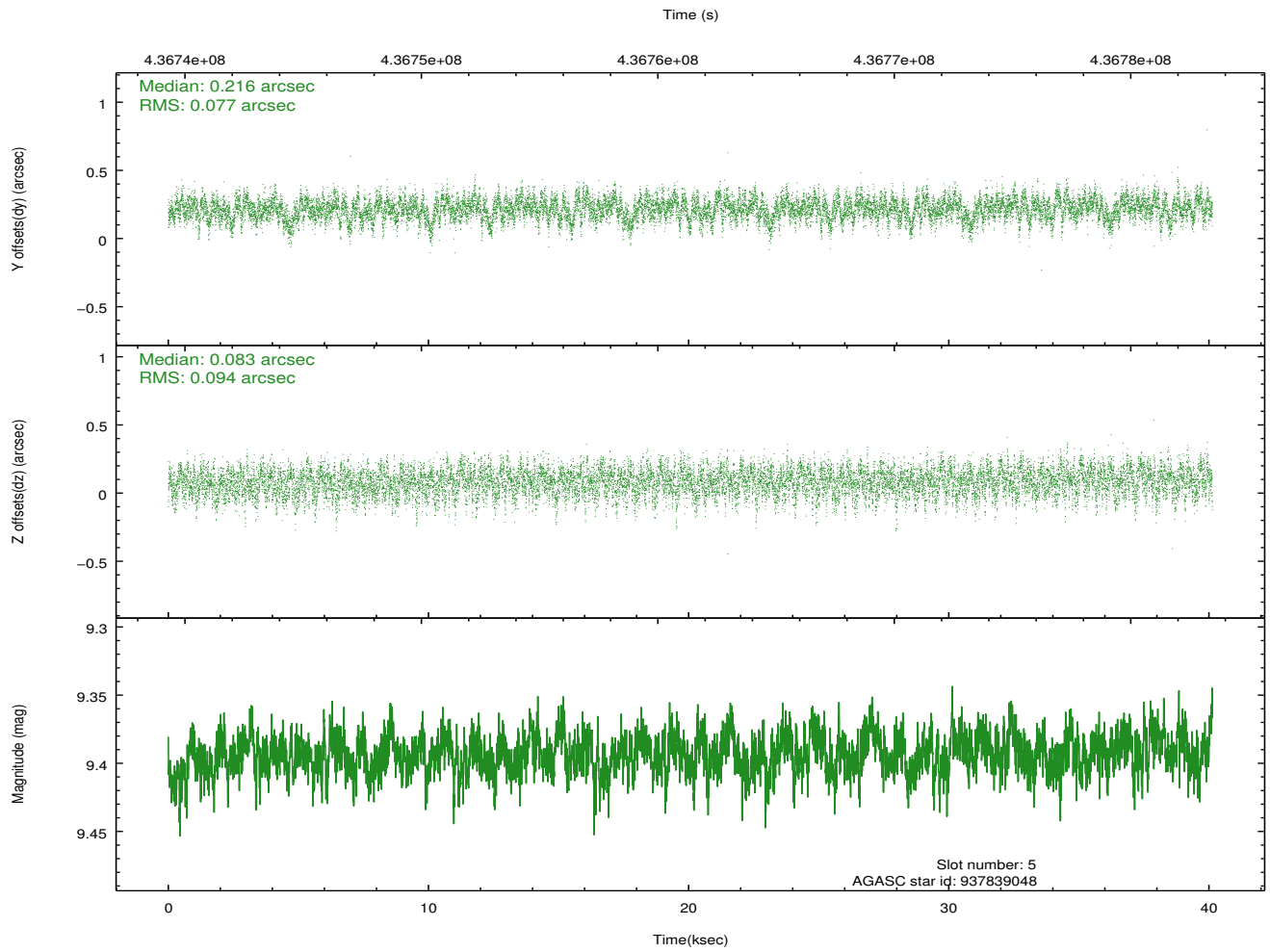
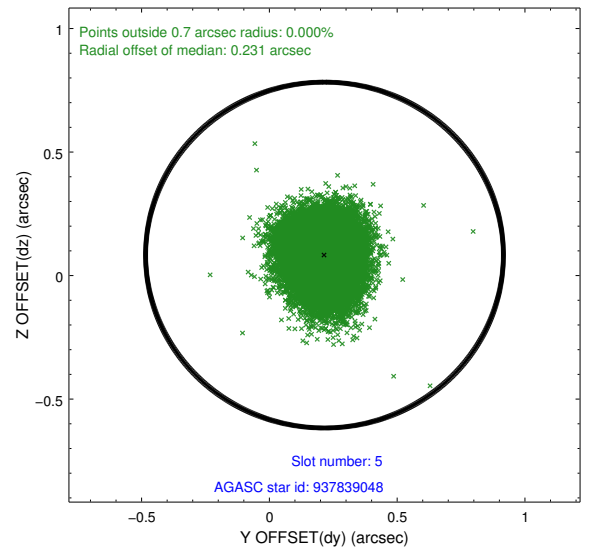
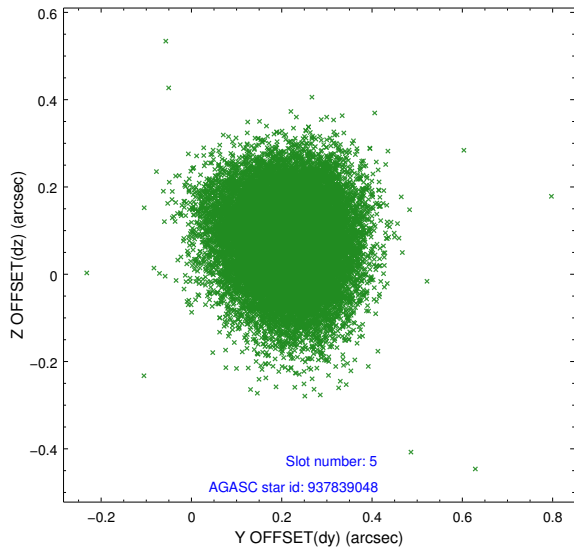
2.4.1 Slot 3



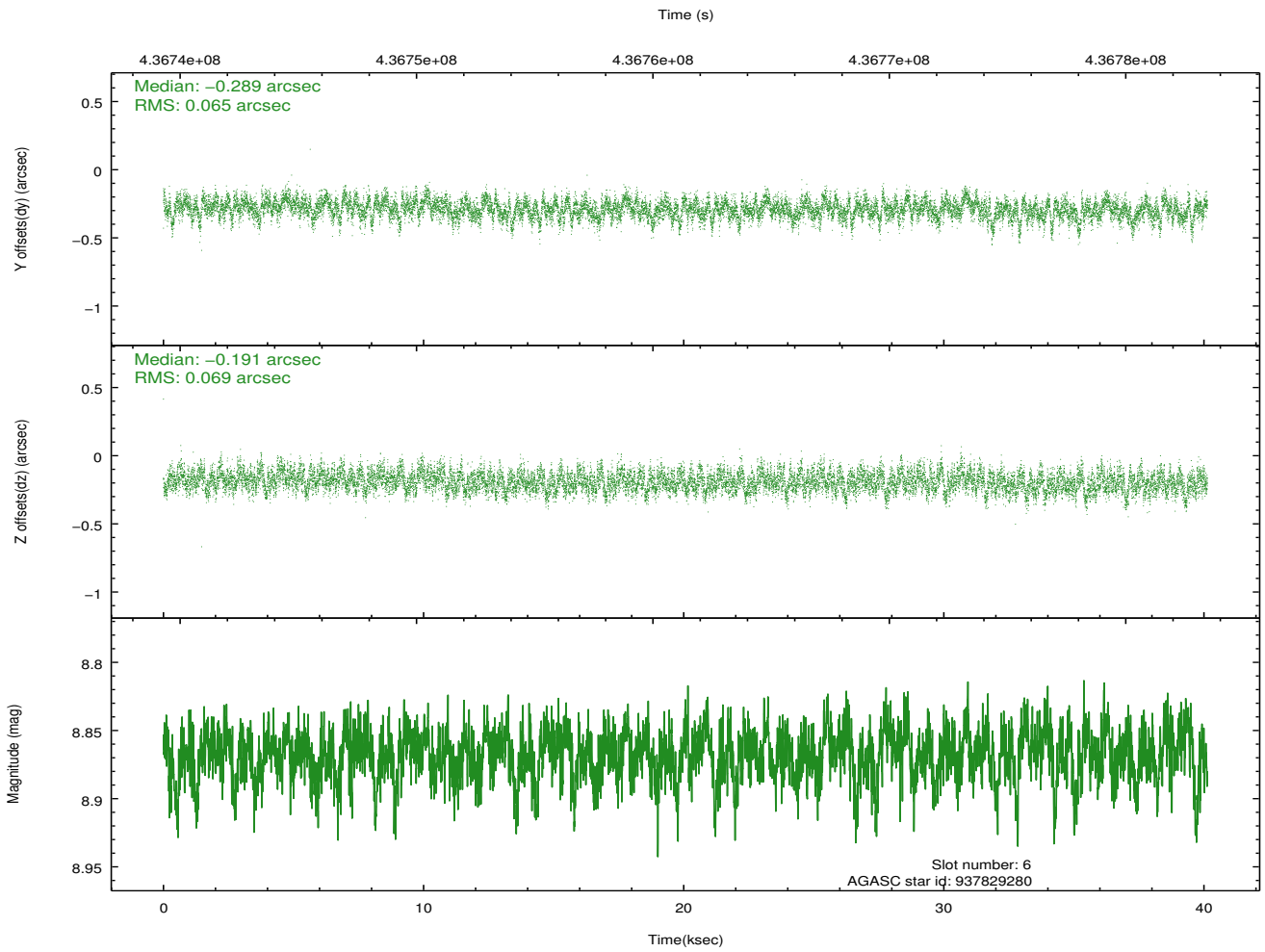
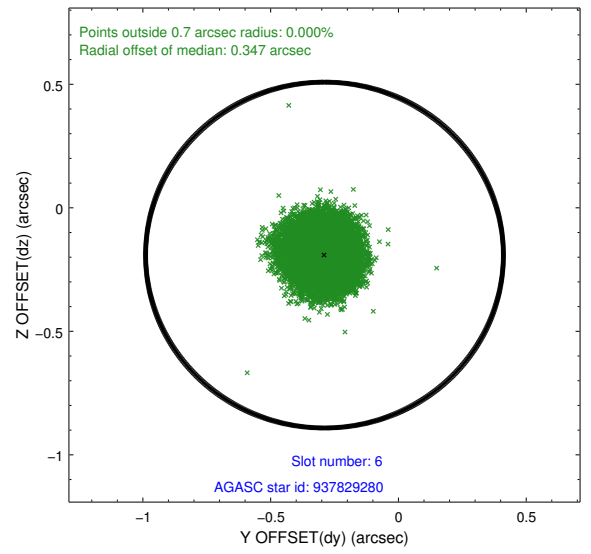
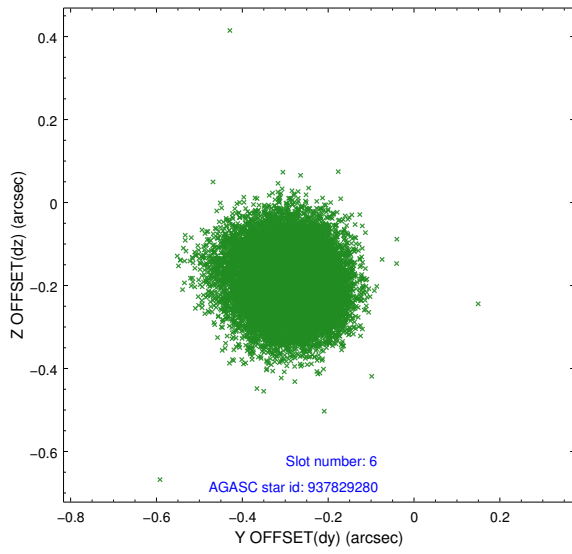
2.4.2 Slot 4



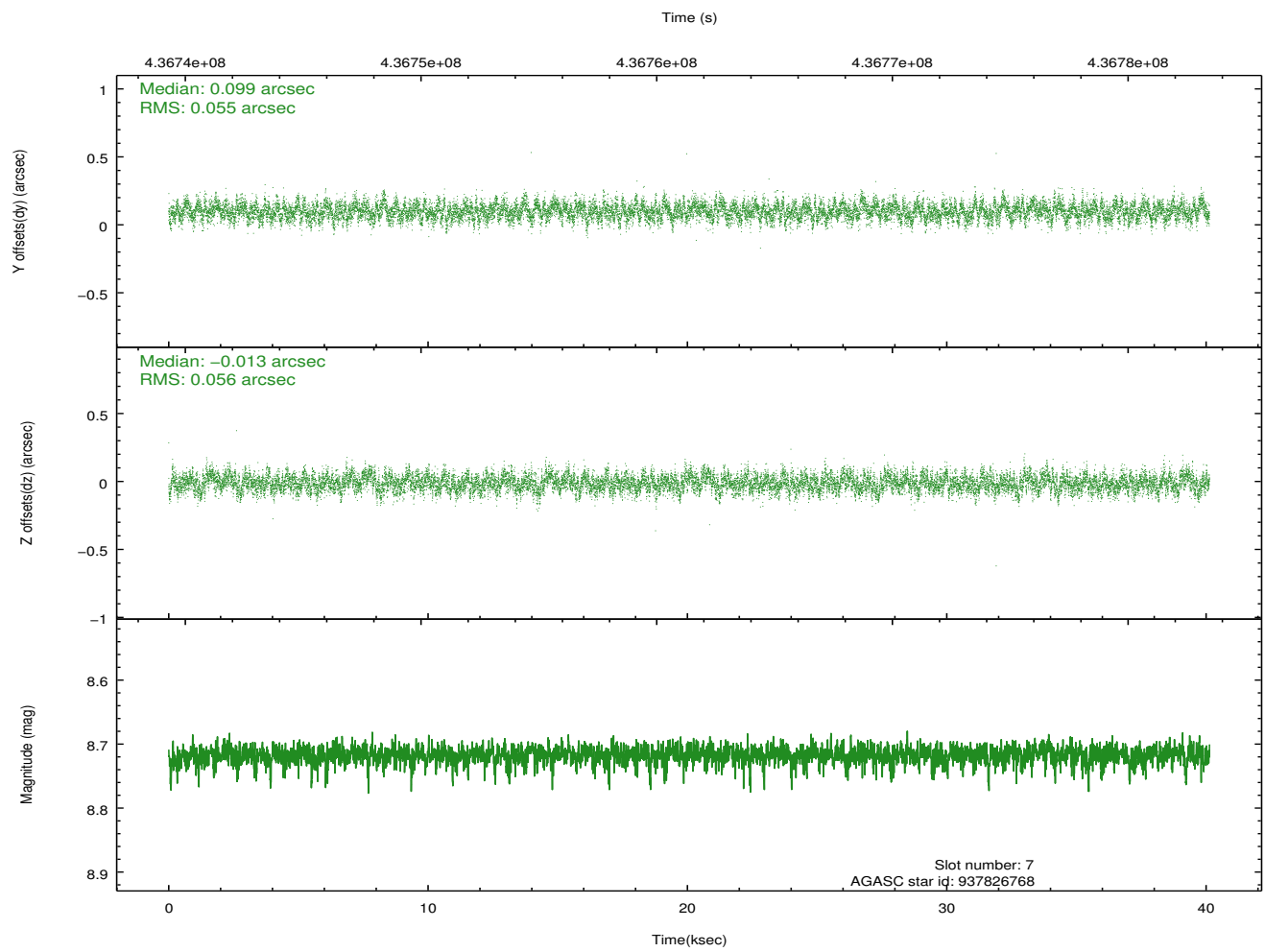
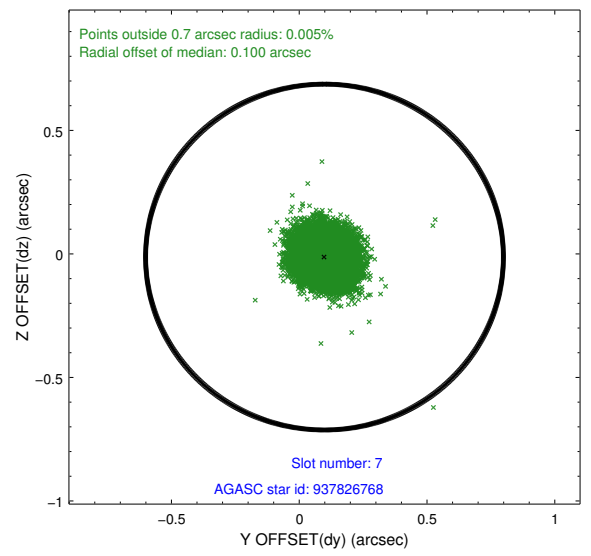
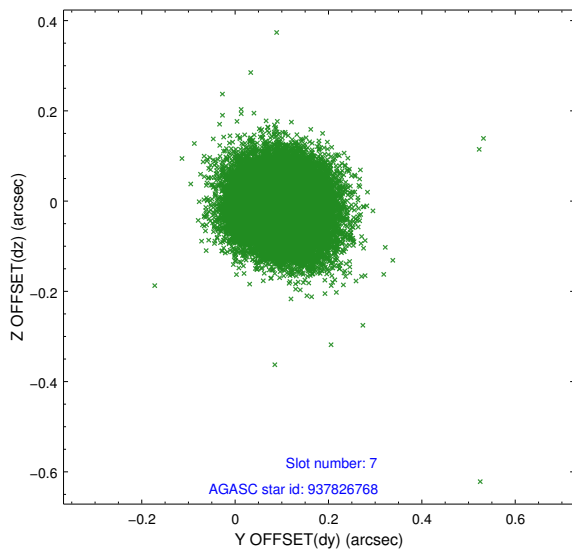
2.4.3 Slot 5



2.4.4 Slot 6

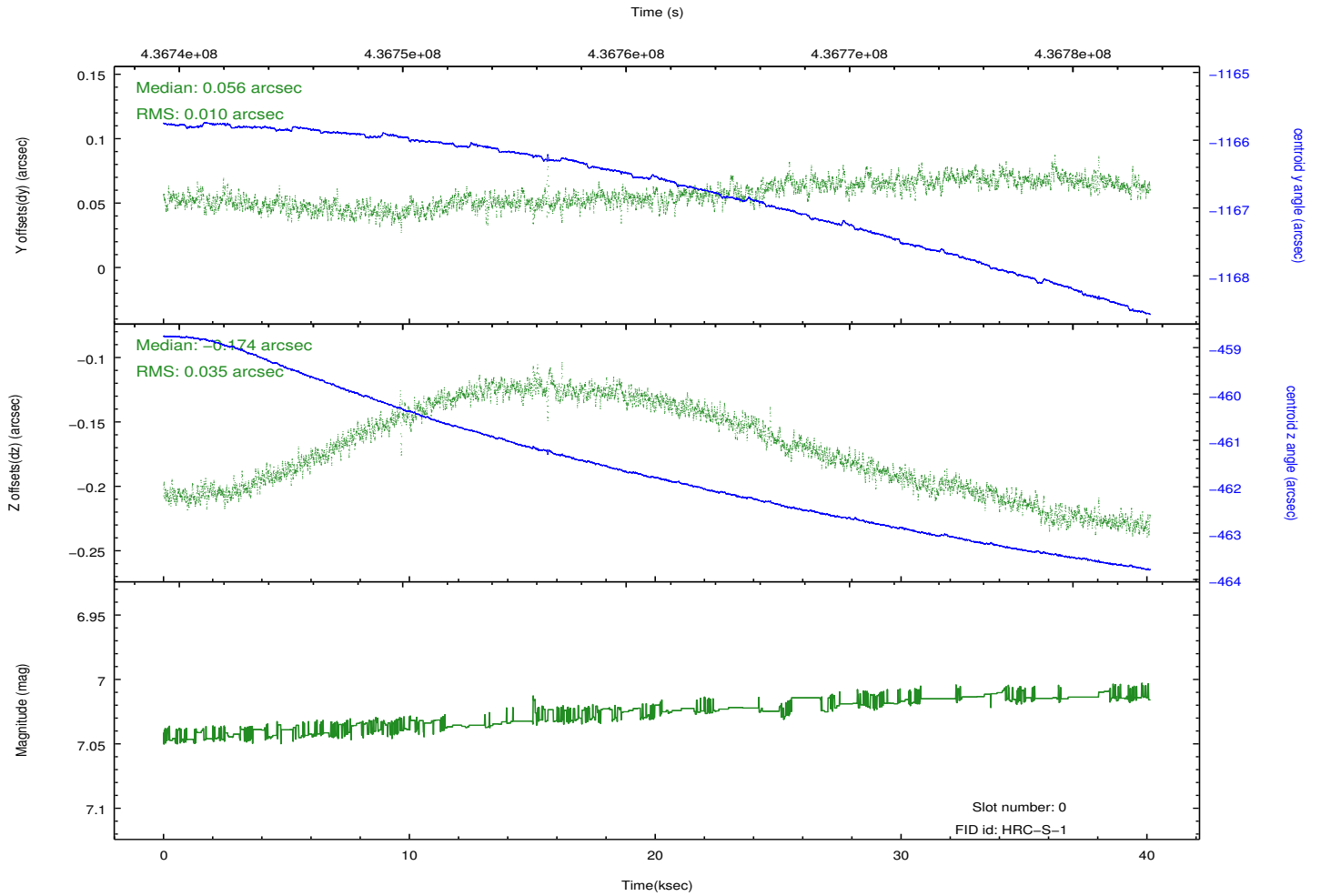
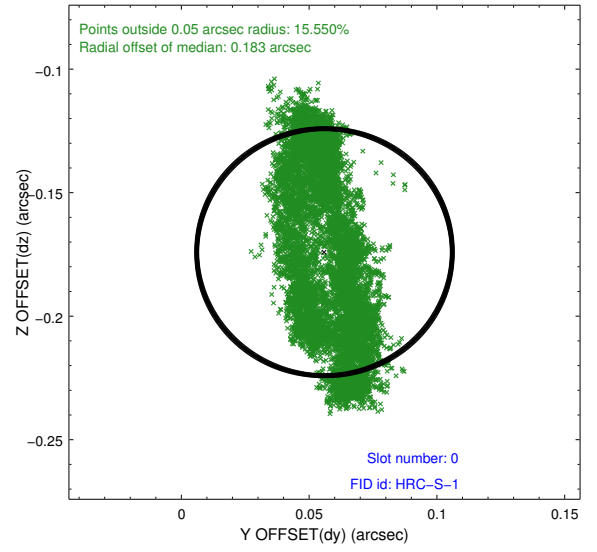
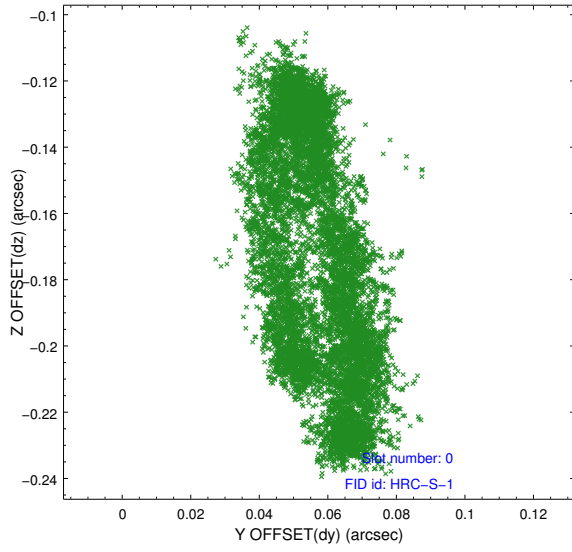


2.4.5 Slot 7

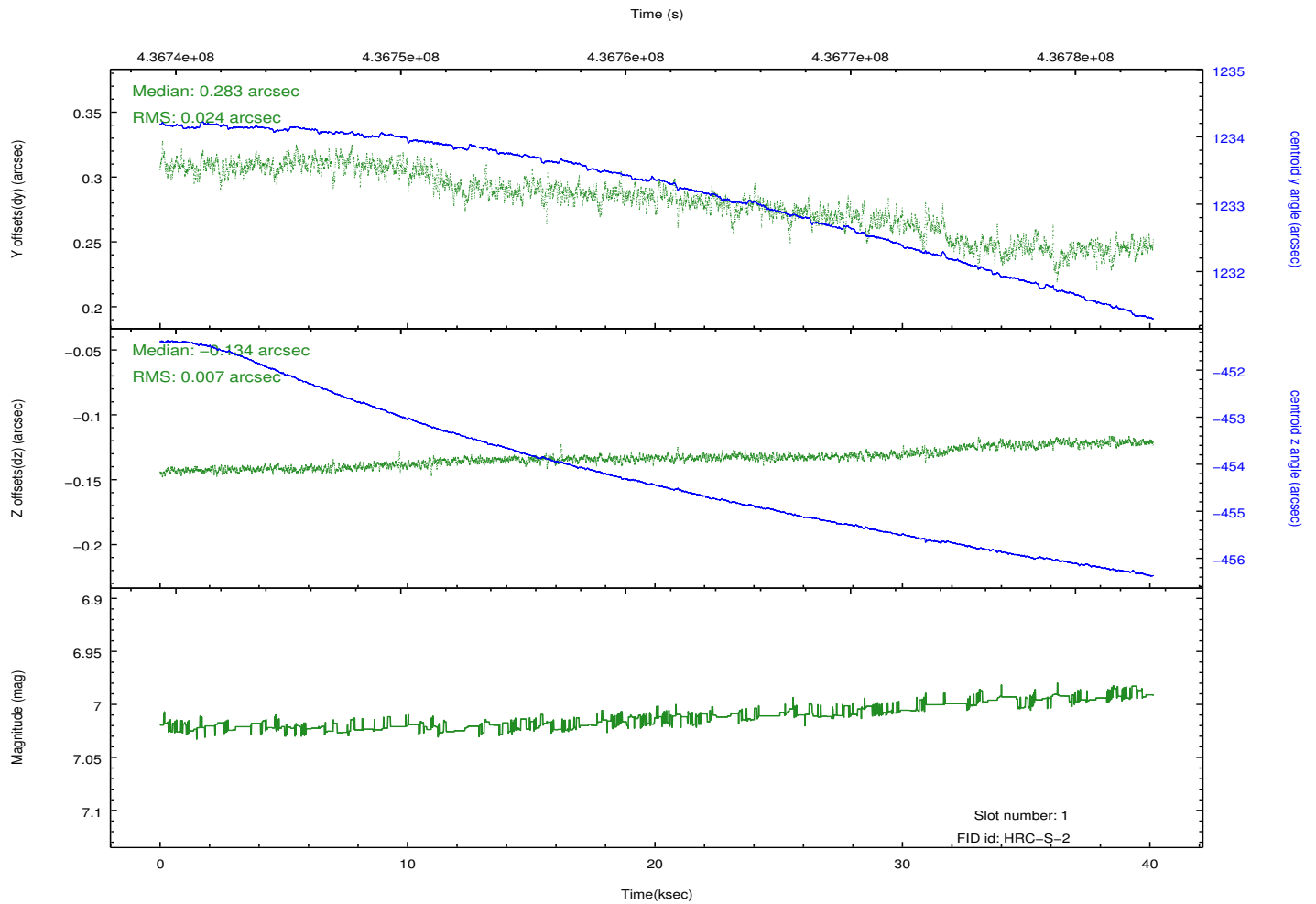
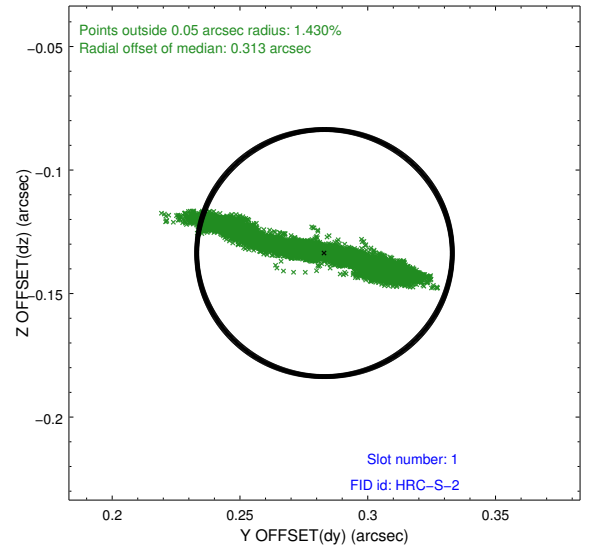
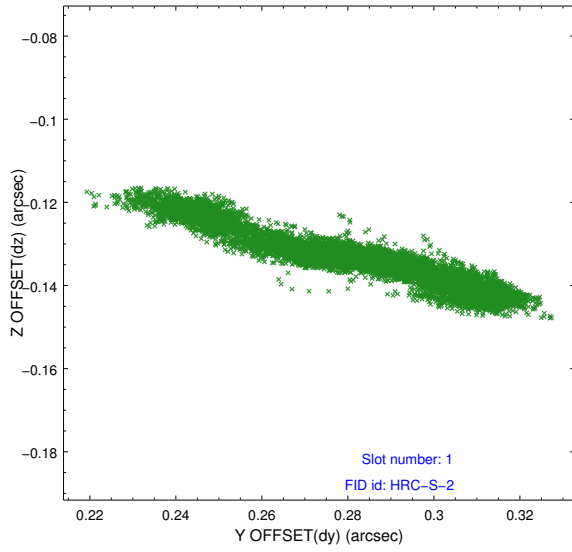


2.5 FID Slots

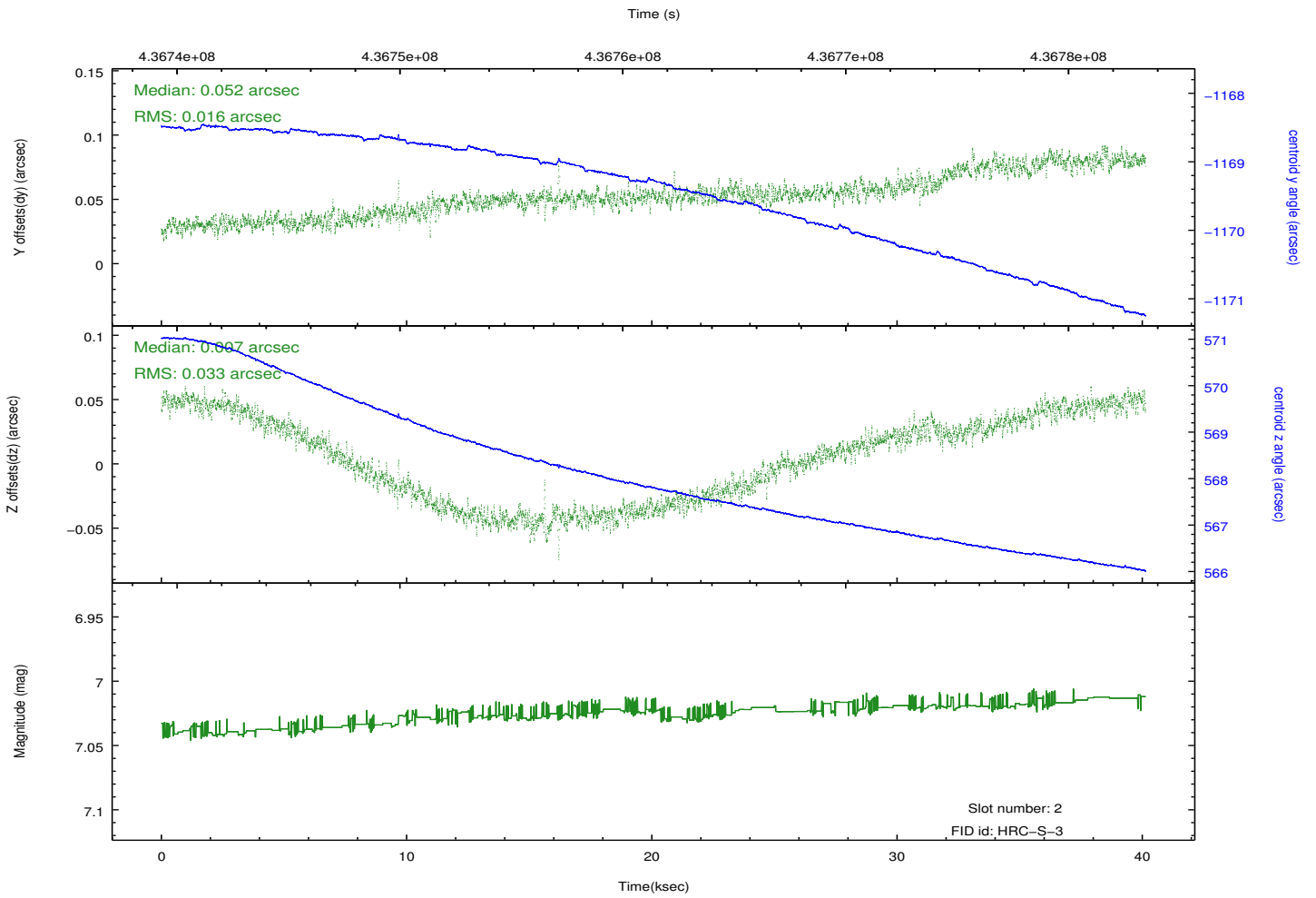
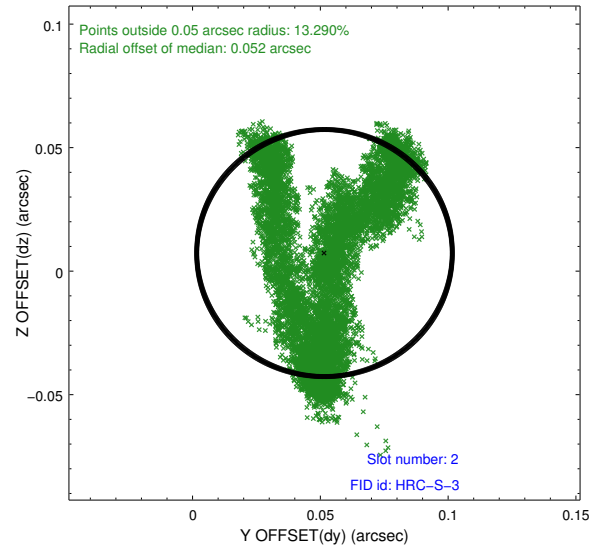
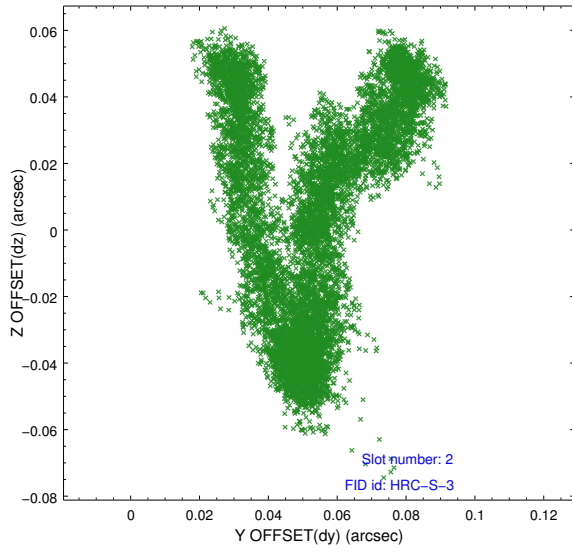
2.5.1 Slot 0



2.5.2 Slot 1

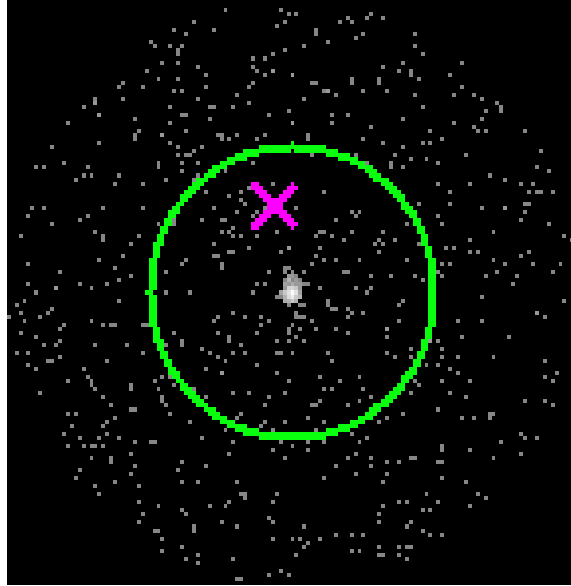


2.5.3 Slot 2

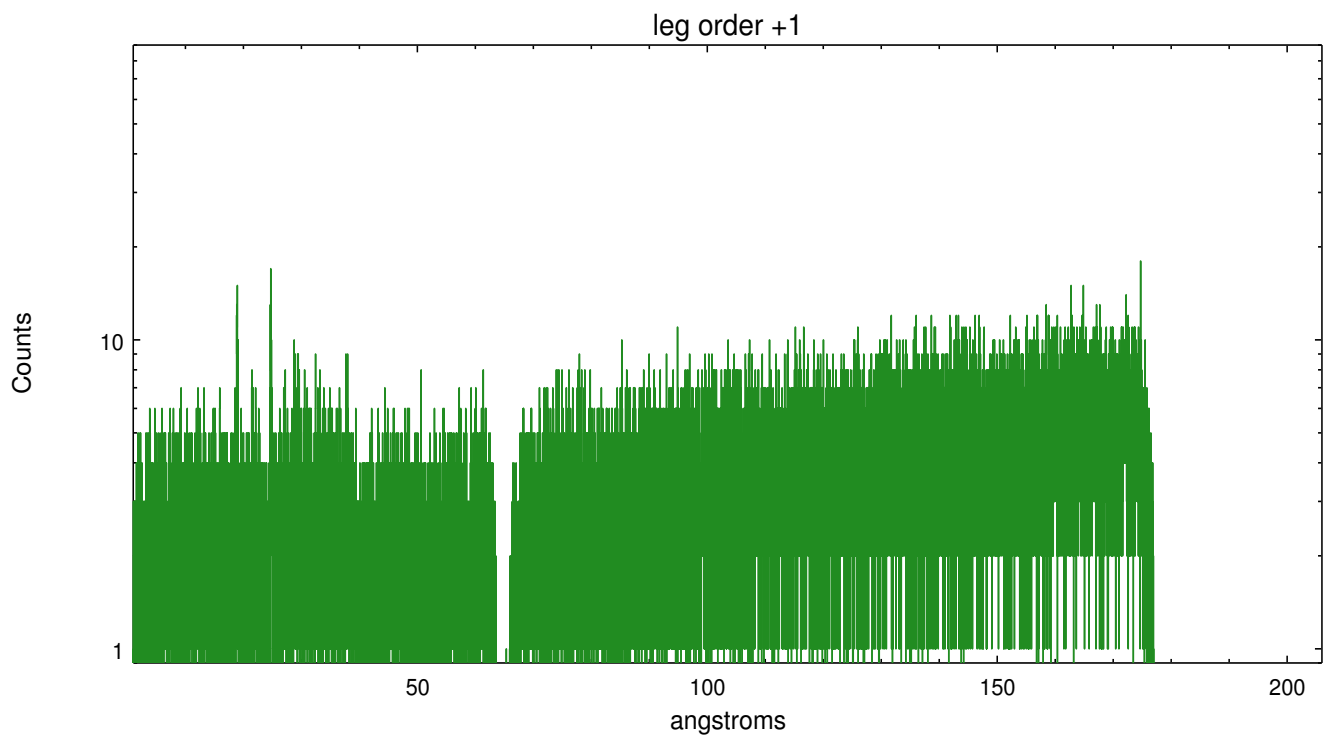
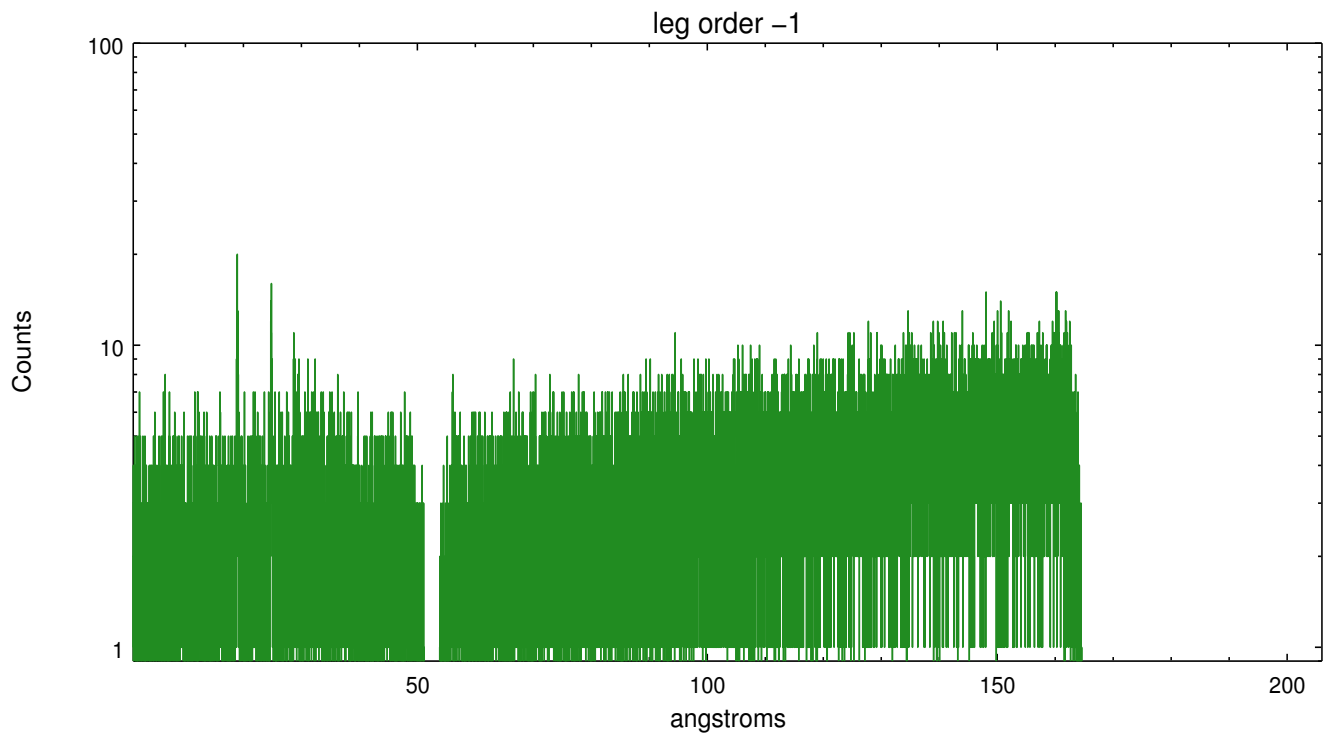


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.134133356512

A.2 Comments

Zeroth order is well centered in the X-ray source, but is not necessarily at the brightest X-ray position.