

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 16691 - L2 Version 1
Chandra X-Ray Center

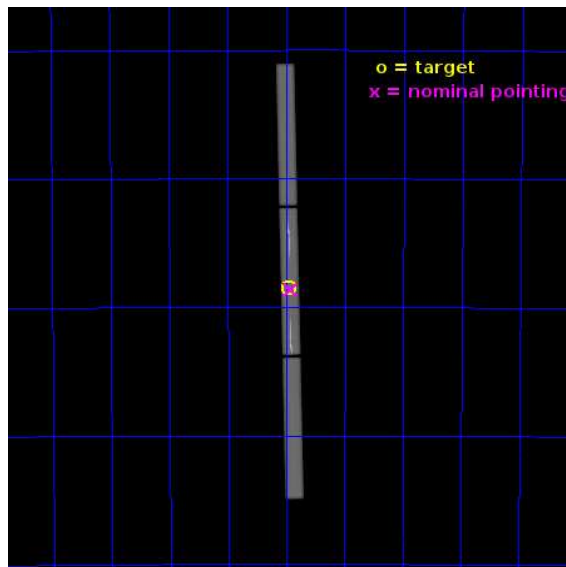
L2 Processing Date : Nov 13 2015

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1 Front

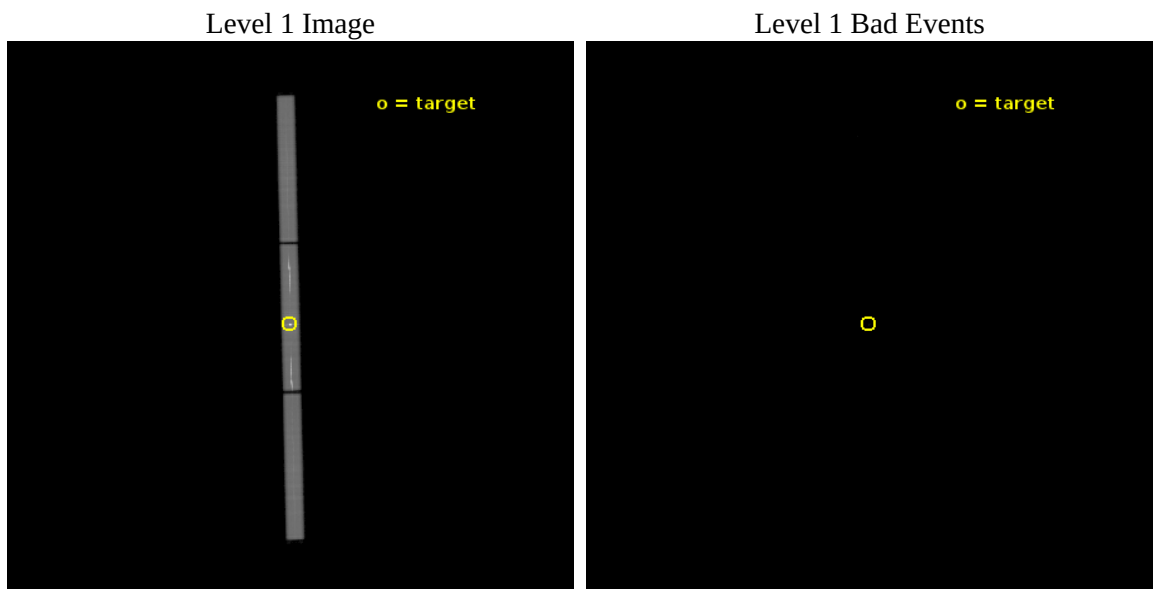
seq_num	300335	Sequence number
obs_id	16691	Observation id
title	Probing mass ejection in novae with X-ray grating spectroscopy	Pro
observer	Dr Thomas Nelson	Principal investigator
object	V5668 Sgr	Source name
ra_targ	279.236958	Observer's specified target RA [deg]
dec_targ	-28.927583	Observer's specified target Dec [deg]
ra_nom	279.23683202039	Nominal RA [deg]
dec_nom	-28.932523313369	Nominal Dec [deg]
roll_nom	268.72953170143	Nominal Roll [deg]
revision	1	Processing version of data
ontime	50189.384092689	[s]
livetime	49809.8559638	Ontime multiplied by DTCOR
l2events	3518081	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	50000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	50189.384092689	[s]
caldbver	4.6.10a	 	l1events	4409097	Number of level 1 events
date	2015-11-13T14:30:08	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	1	Processing version of data	zo_pos	(32766.62, 32903.36)	src1a sky pixel position

2.1.3 Events

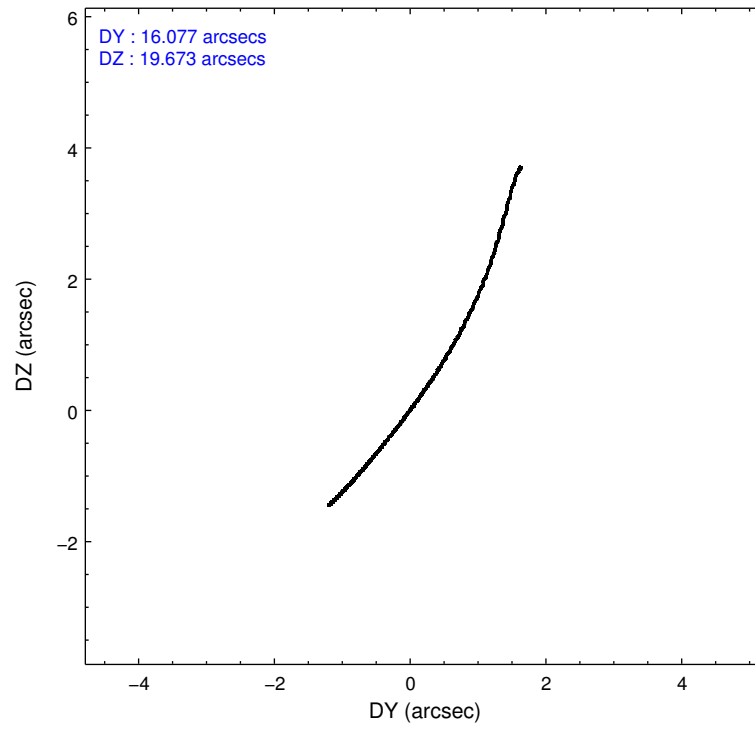
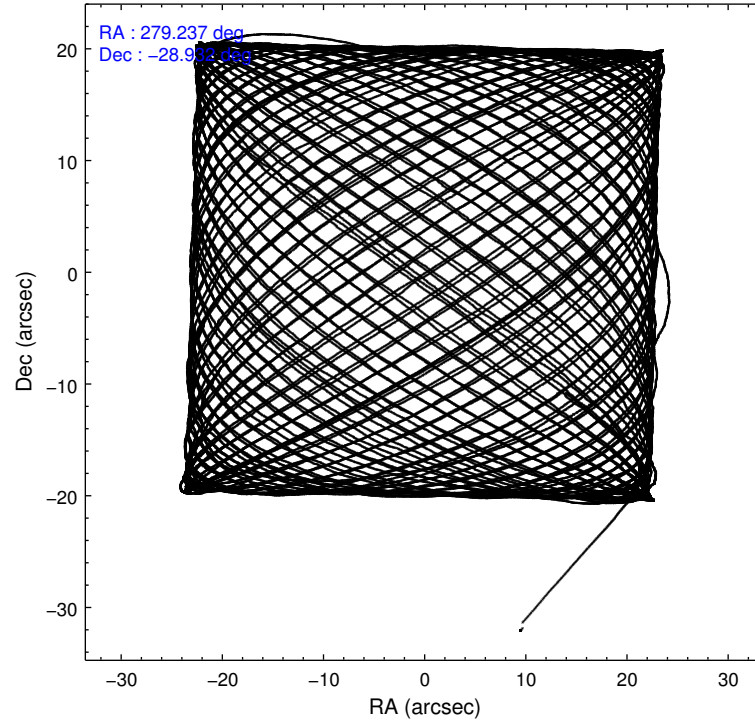
Level 1 Events

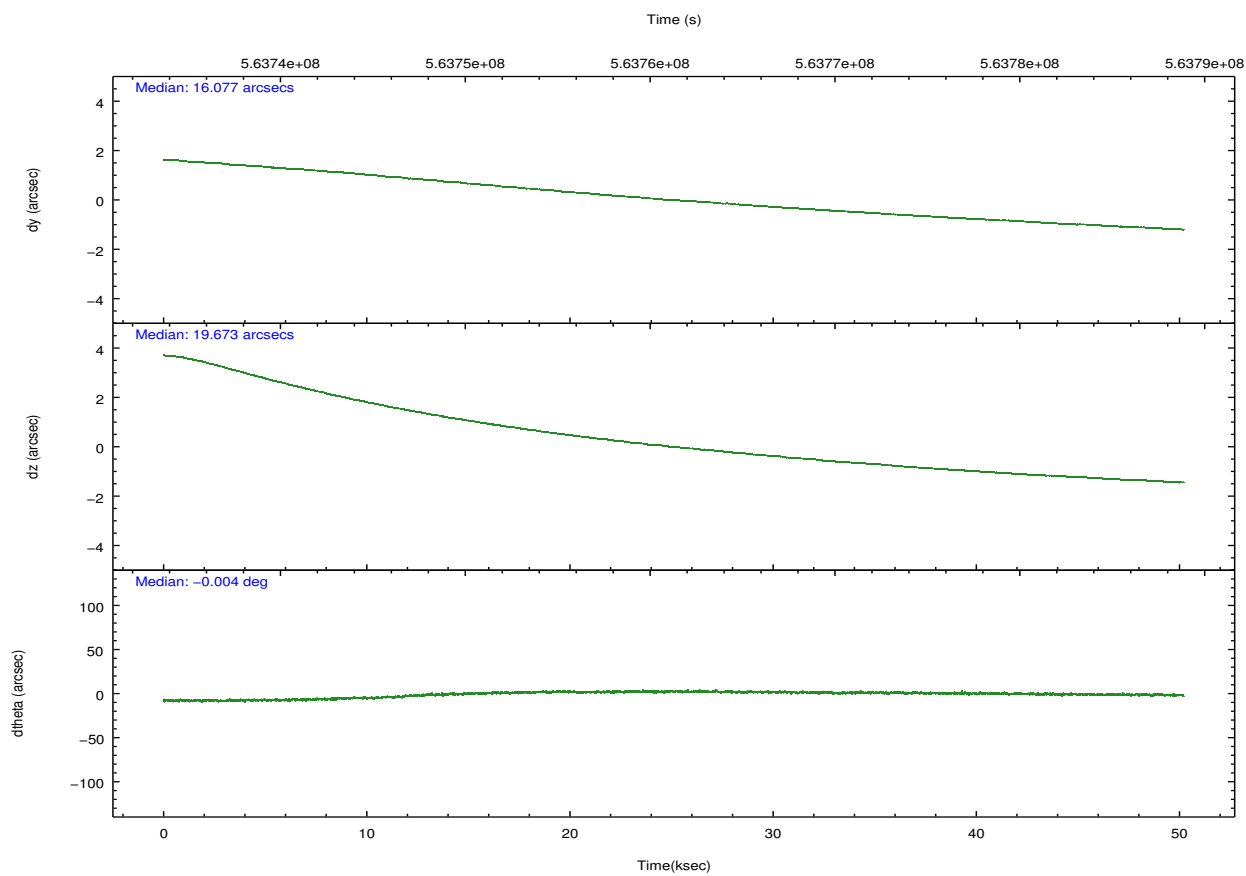
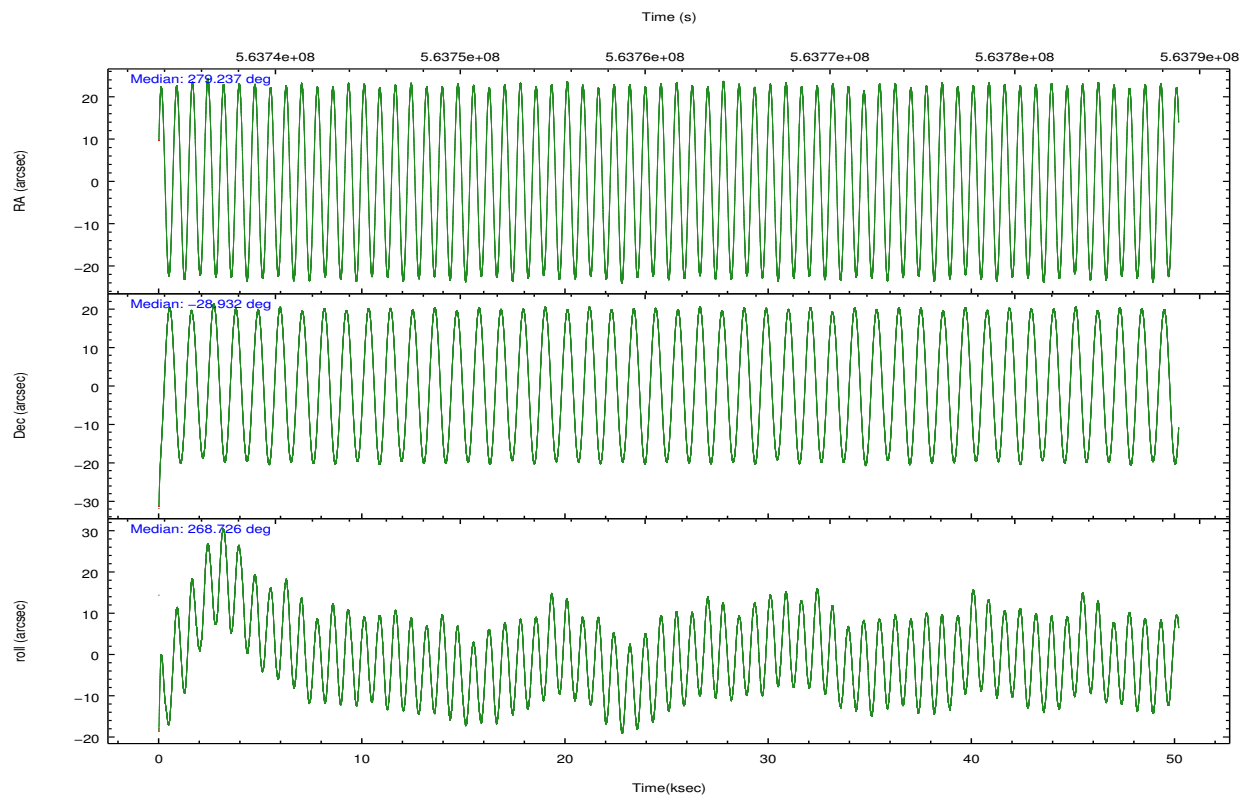
	segment 1	segment 2	segment 3
level 1 events	1295434	1819183	1294480
rejected events	25434	27112	25643
rejected %	1%	1%	1%

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	279.219586	279.2368320203857			
[deg] Pointing Dec	-28.907889	-28.93252331336851			
[deg] Pointing Roll	268.653865	268.729531701434			
[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)	563736397.184000	563735233.72349			
Observation start date	2015-11-12T17:25:29	2015-11-12T17:07:13			
[s] Observation end time (MET)	563786397.184000	563787437.48895			
Observation end date	2015-11-13T07:18:49	2015-11-13T07:37:17			

2.3 Aspect



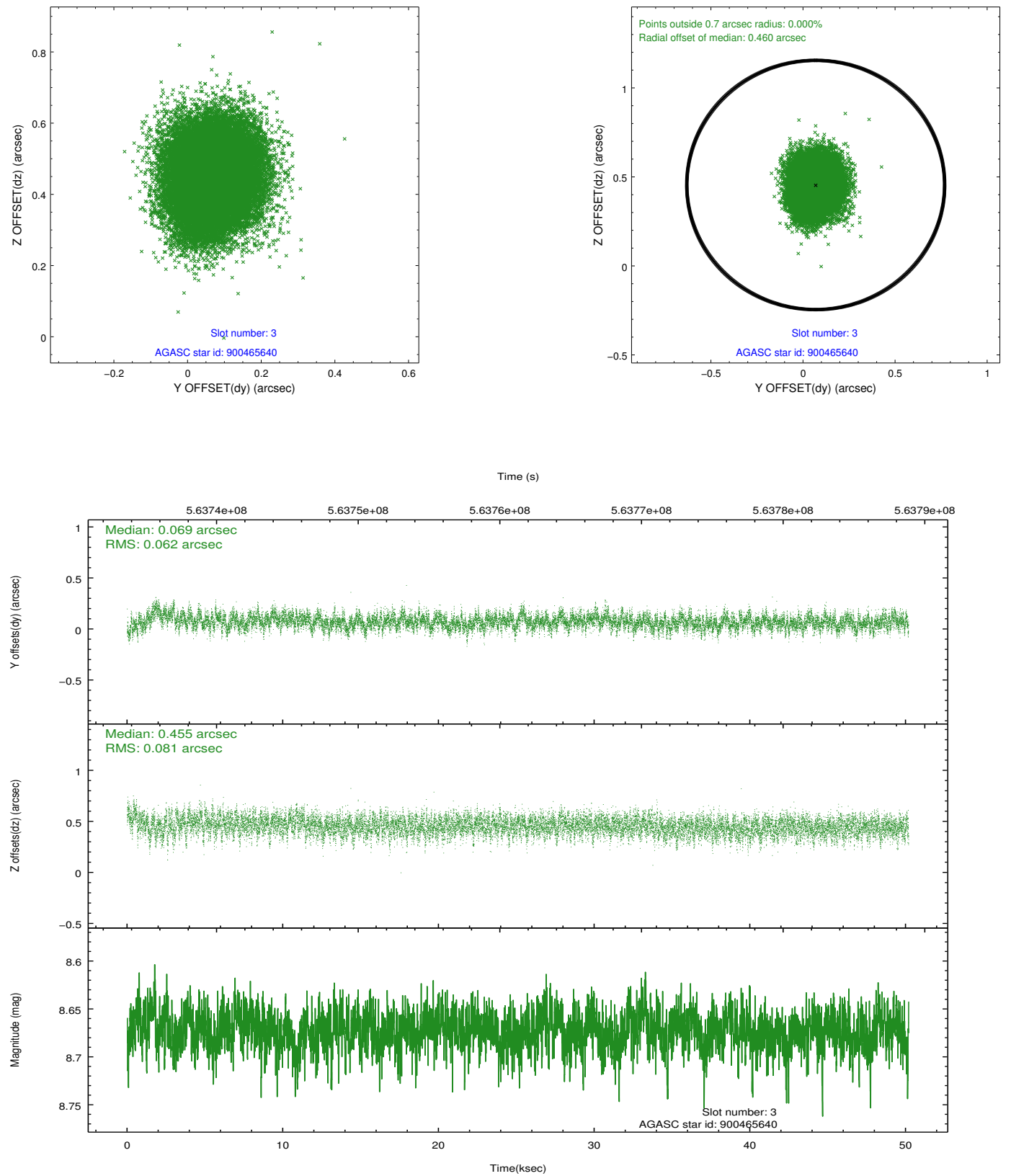


Slot Statistics

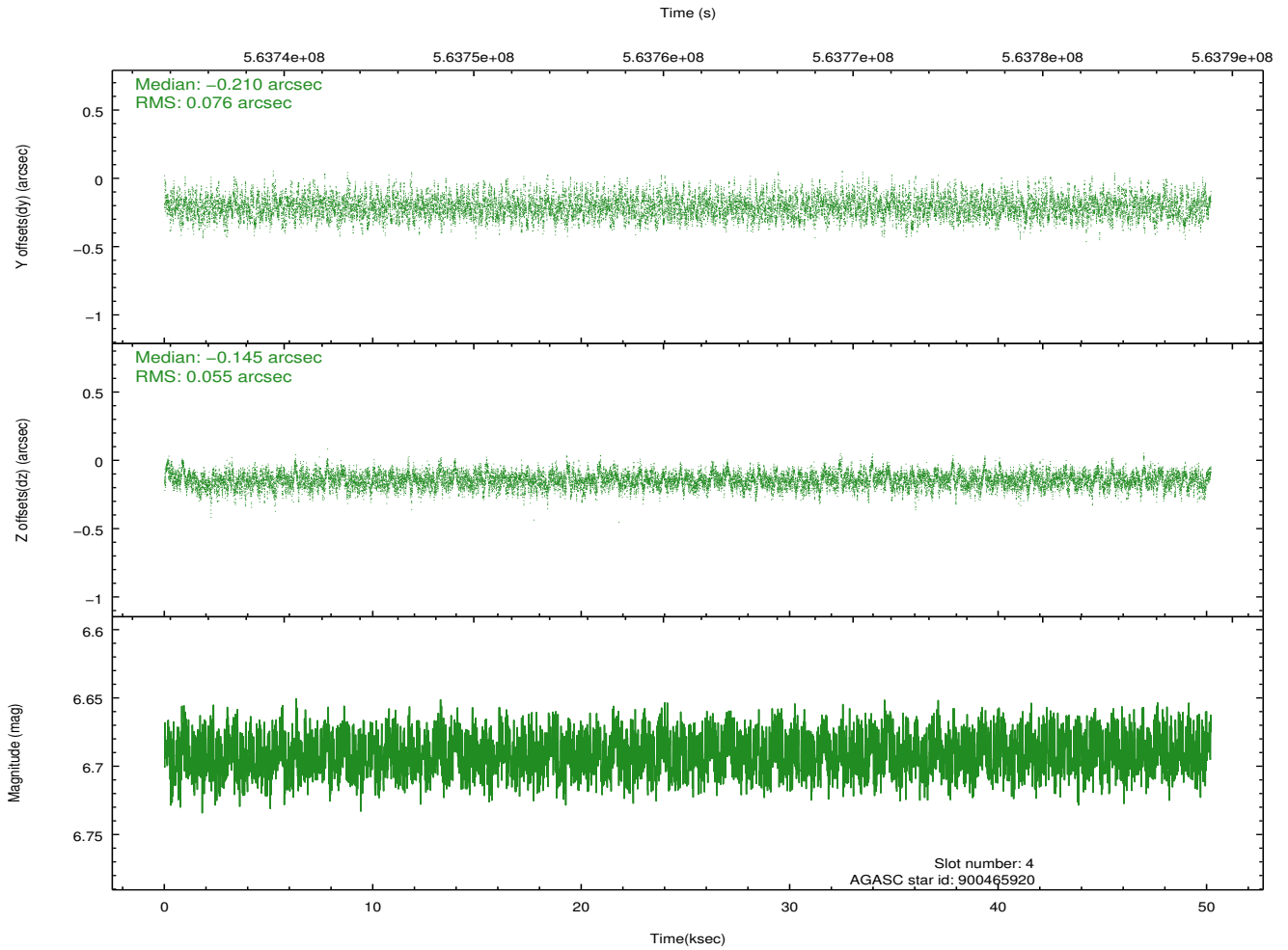
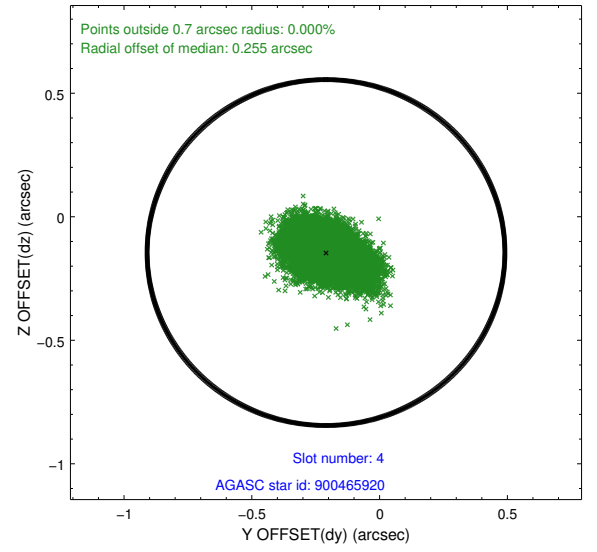
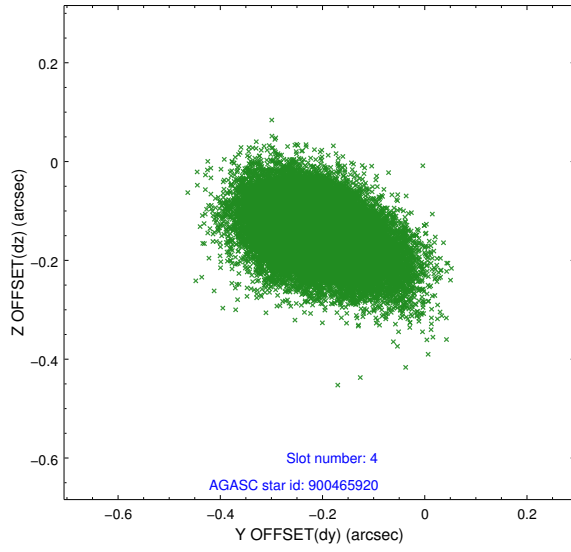
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.06	12241	-0.021	-0.239	0.027	0.065	0.000000	0.000000	-1170.68	-469.16
1	FID		HRC-S-2	7.03	12242	0.343	-0.126	0.023	0.035	0.000000	0.000000	1229.27	-461.67
2	FID		HRC-S-3	7.05	12240	0.068	0.061	0.037	0.064	0.000000	0.000000	-1173.23	560.62
3	GUIDE	used	900465640	8.67	24471	0.069	0.455	0.108	0.177	278.553405	-28.345852	-1966.83	-2157.06
4	GUIDE	used	900465920	6.69	24483	-0.210	-0.145	0.099	0.167	279.263681	-28.513059	-1422.10	106.08
5	GUIDE	used	900466560	7.98	24479	-0.058	-0.168	0.086	0.144	279.809808	-28.514071	-1456.55	1833.34
6	GUIDE	used	900467552	7.98	24470	0.215	0.019	0.078	0.129	278.701472	-28.667544	-822.42	-1656.11
7	GUIDE	used	900469752	8.16	24478	-0.019	-0.157	0.093	0.154	279.292143	-29.237377	1180.91	255.62

2.4 Star Slots

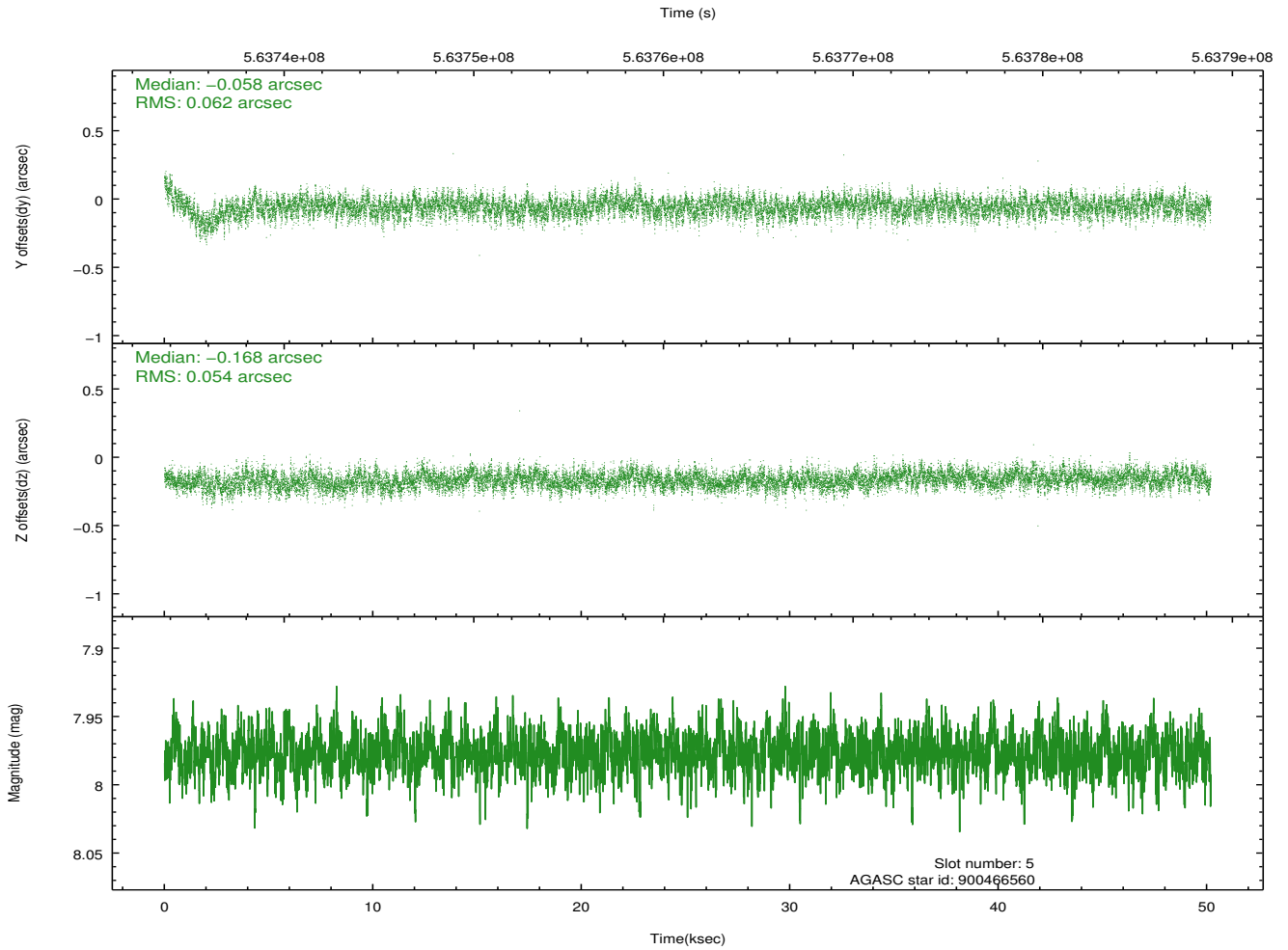
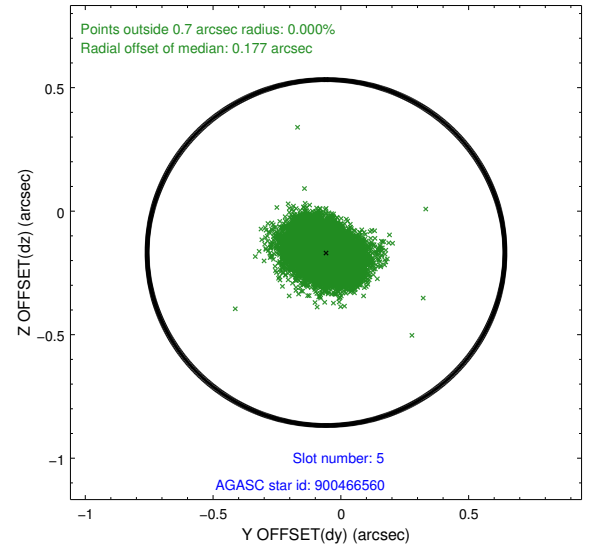
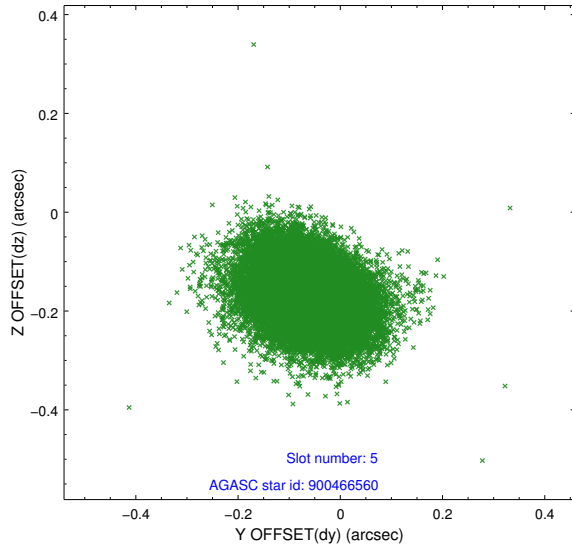
2.4.1 Slot 3



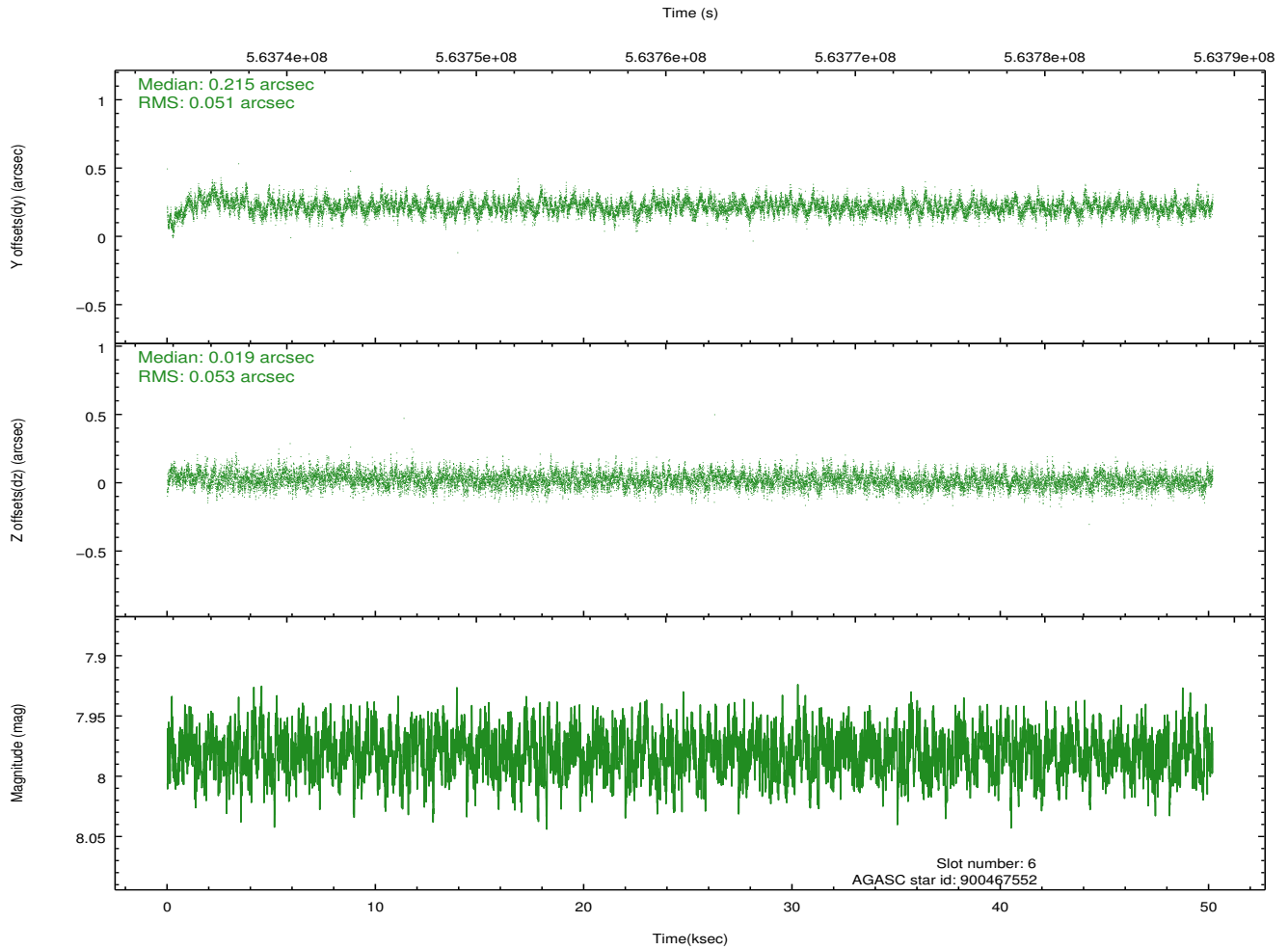
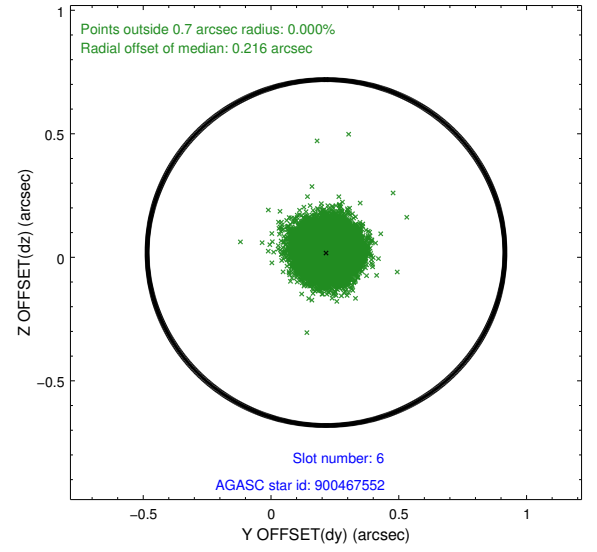
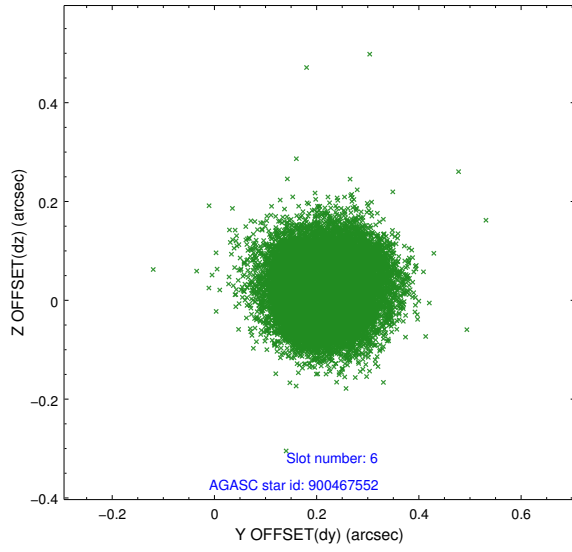
2.4.2 Slot 4



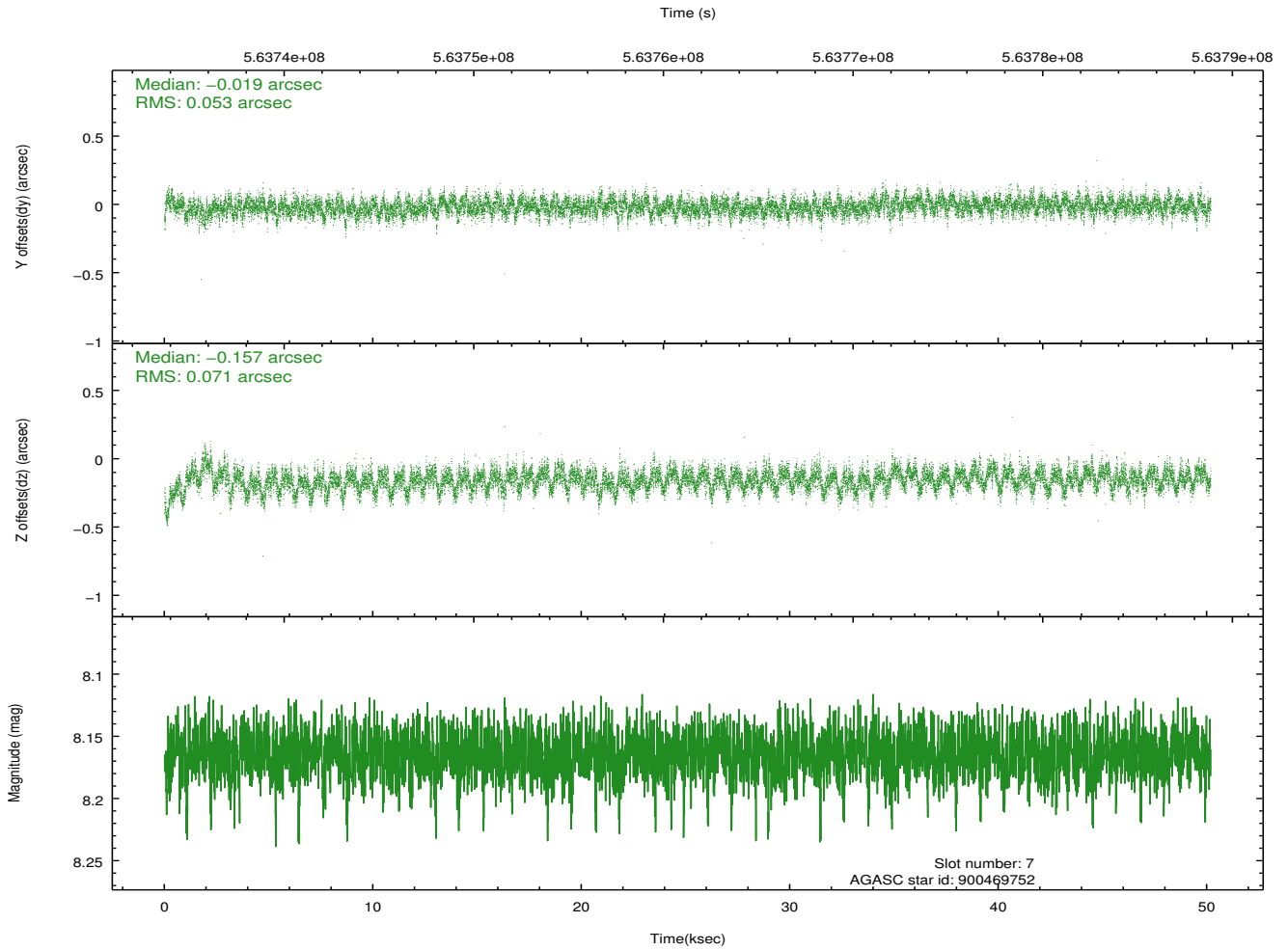
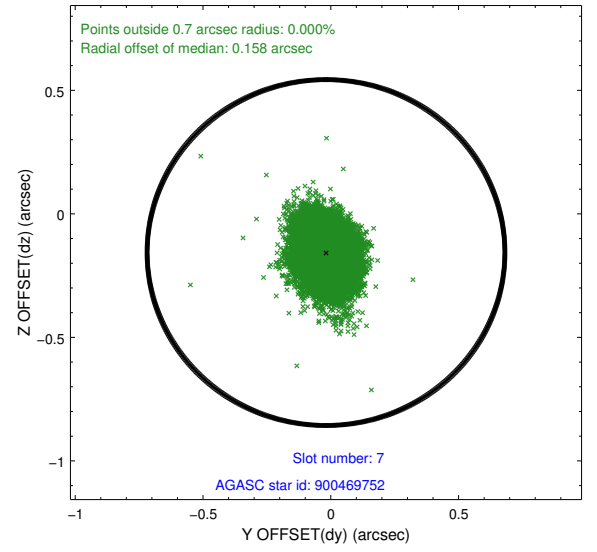
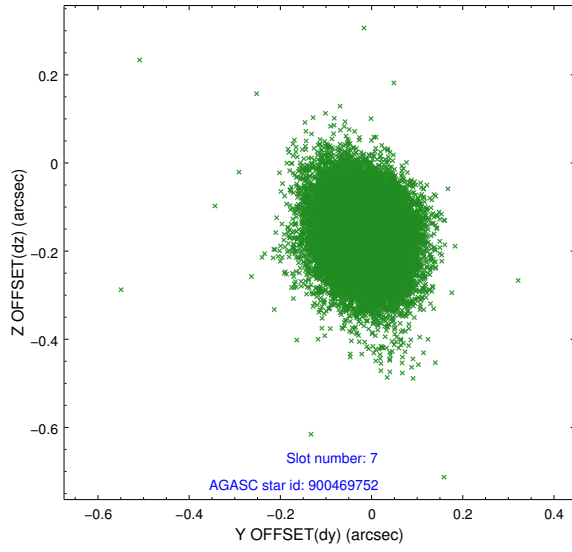
2.4.3 Slot 5



2.4.4 Slot 6

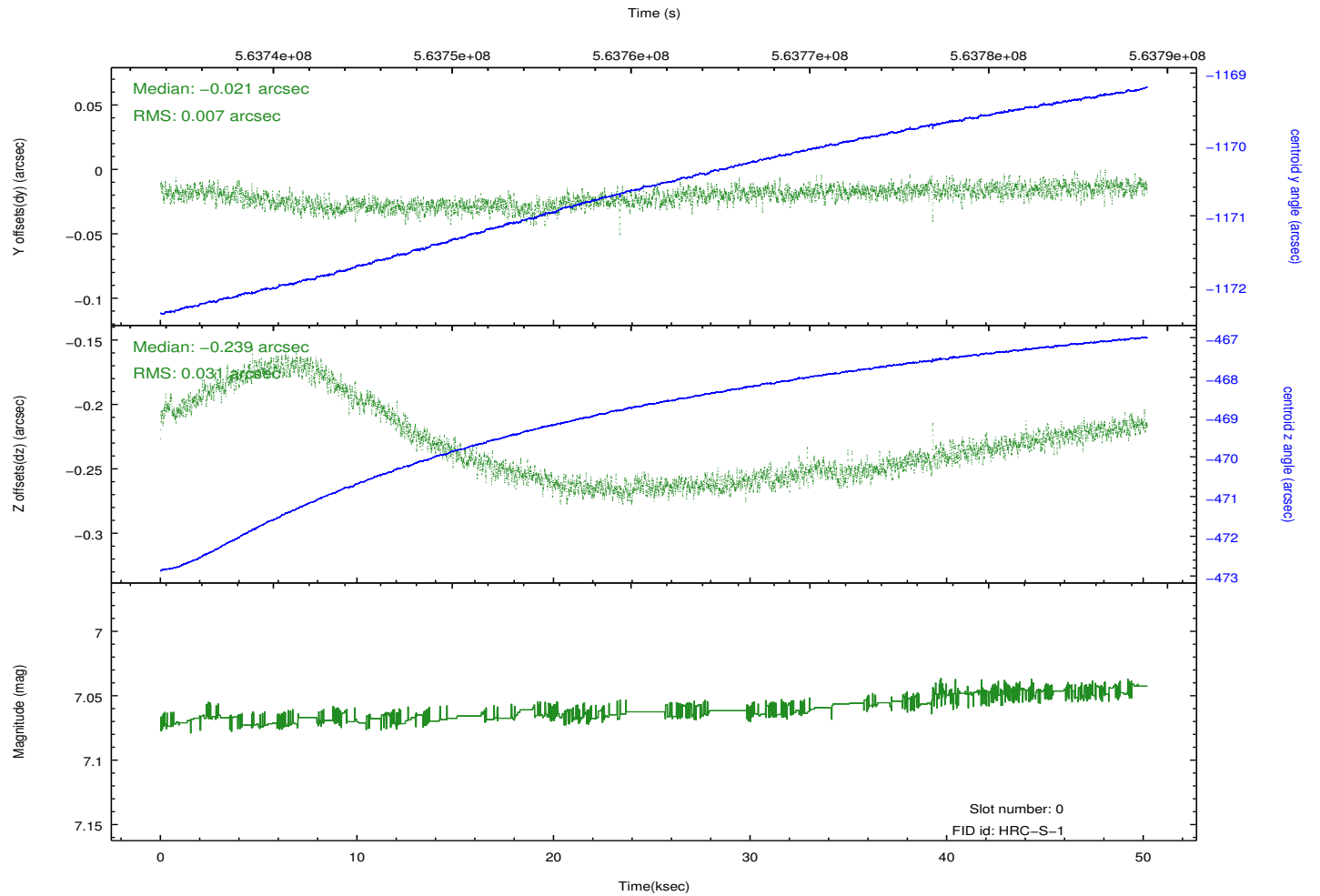
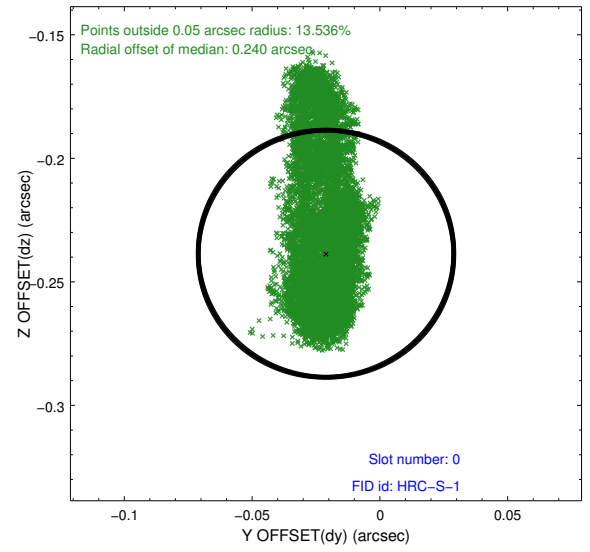
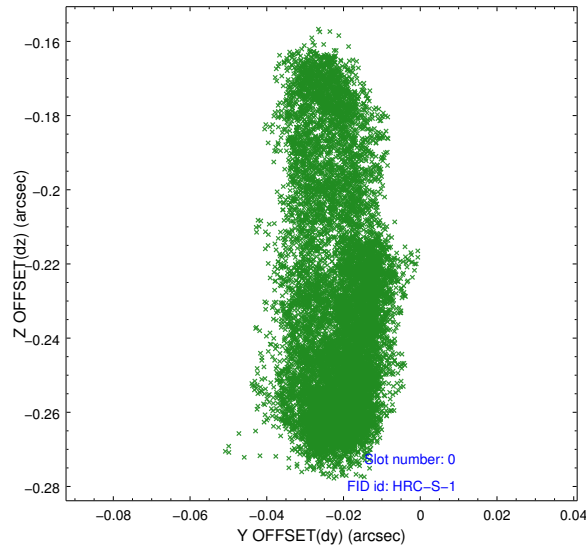


2.4.5 Slot 7

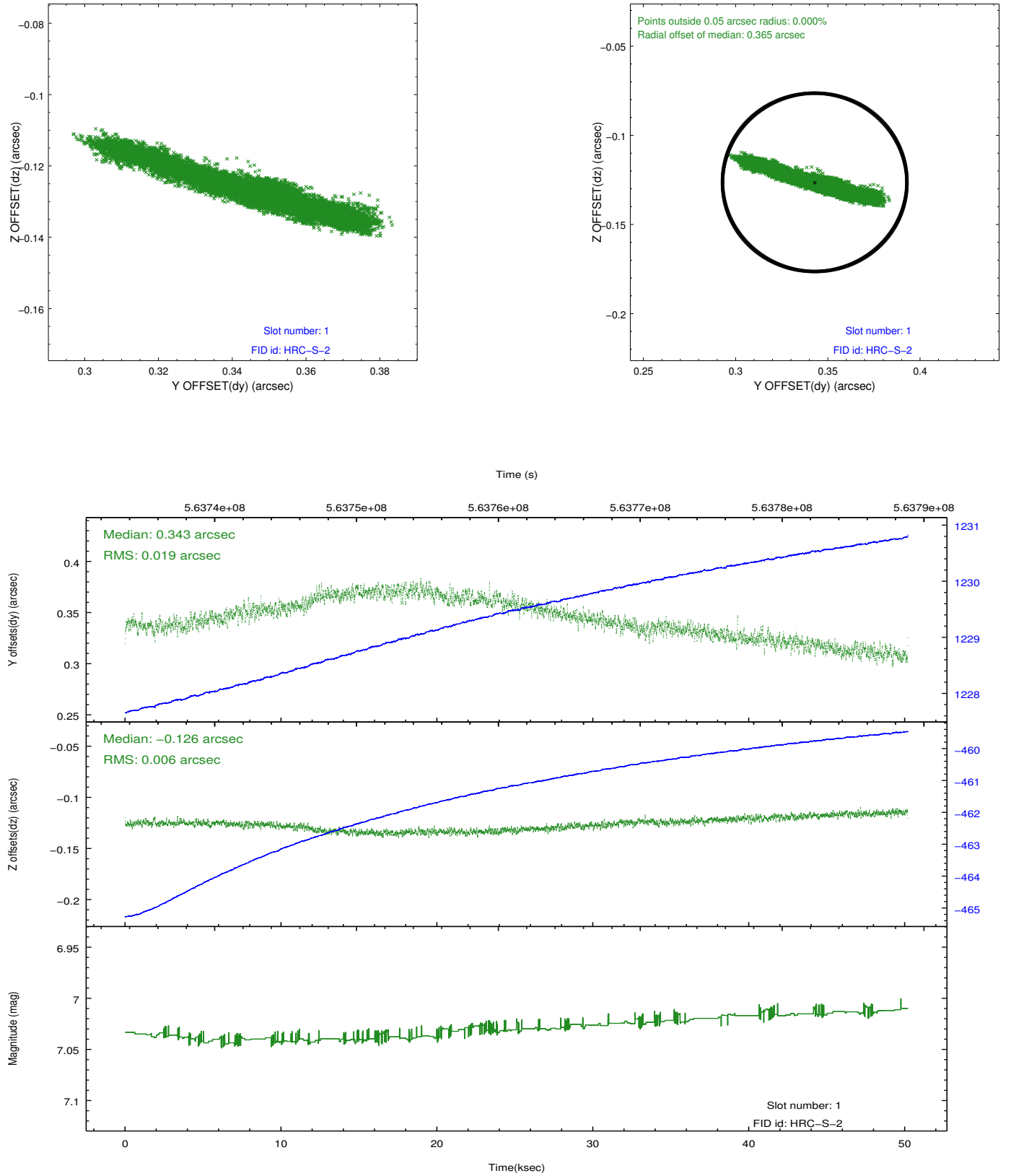


2.5 FID Slots

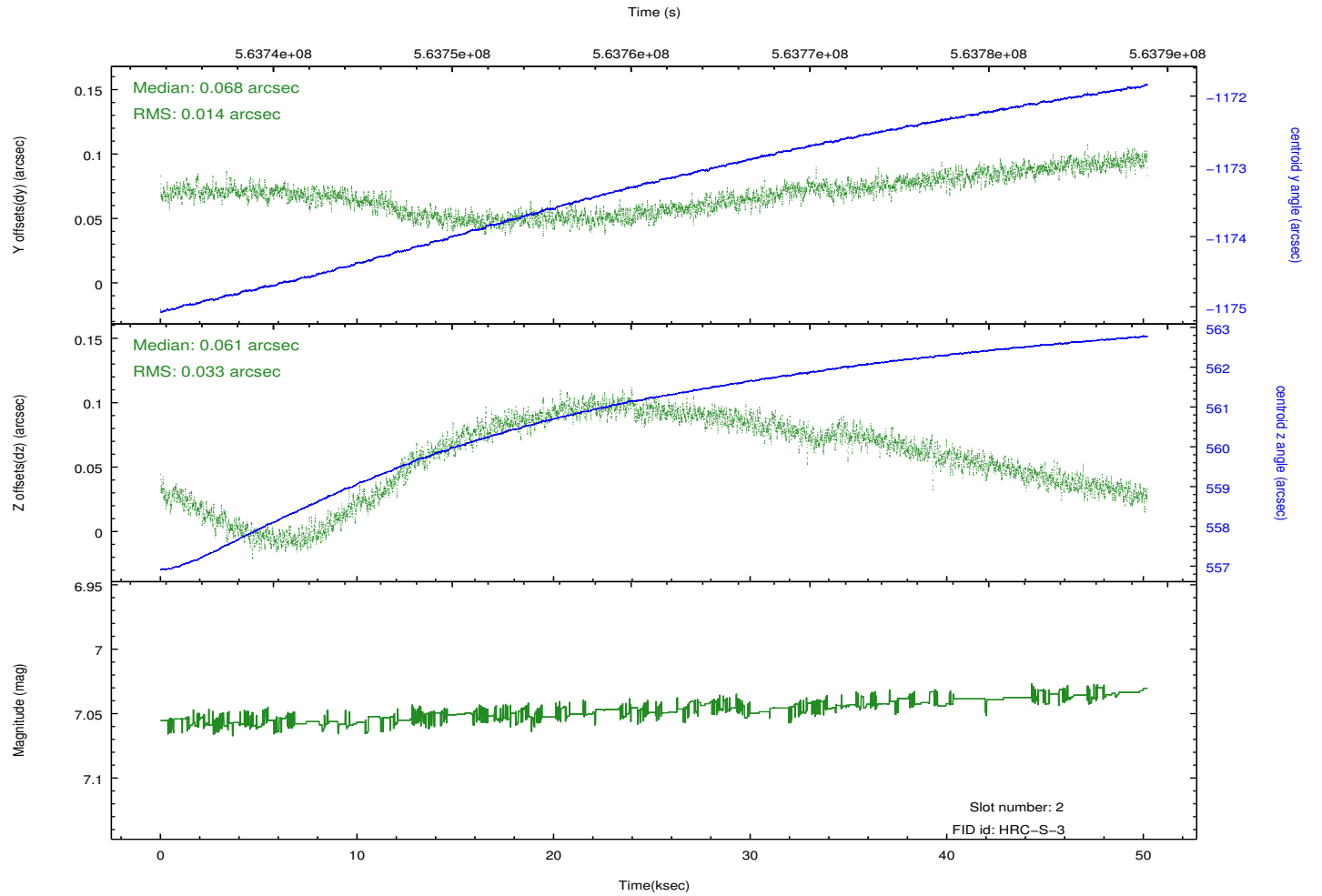
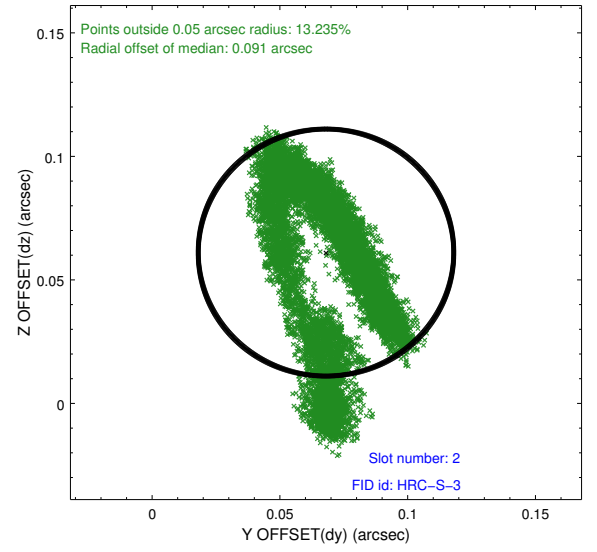
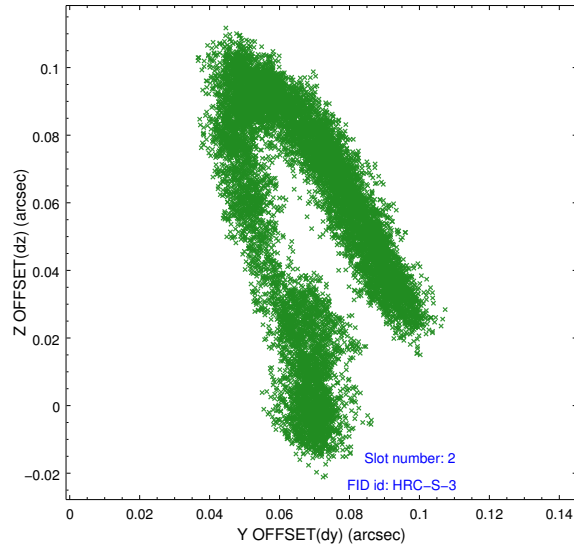
2.5.1 Slot 0



2.5.2 Slot 1

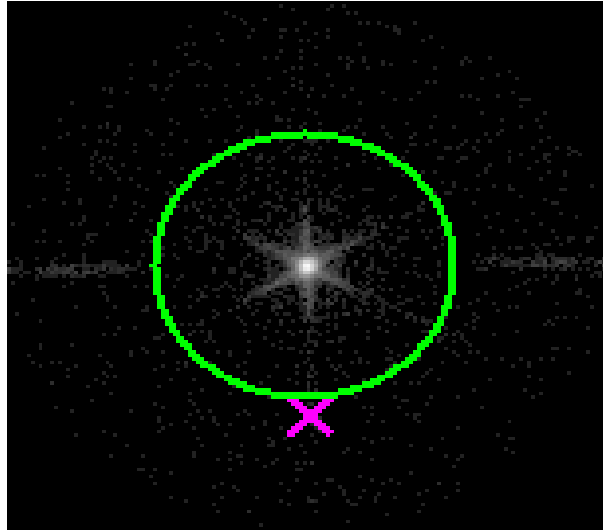


2.5.3 Slot 2

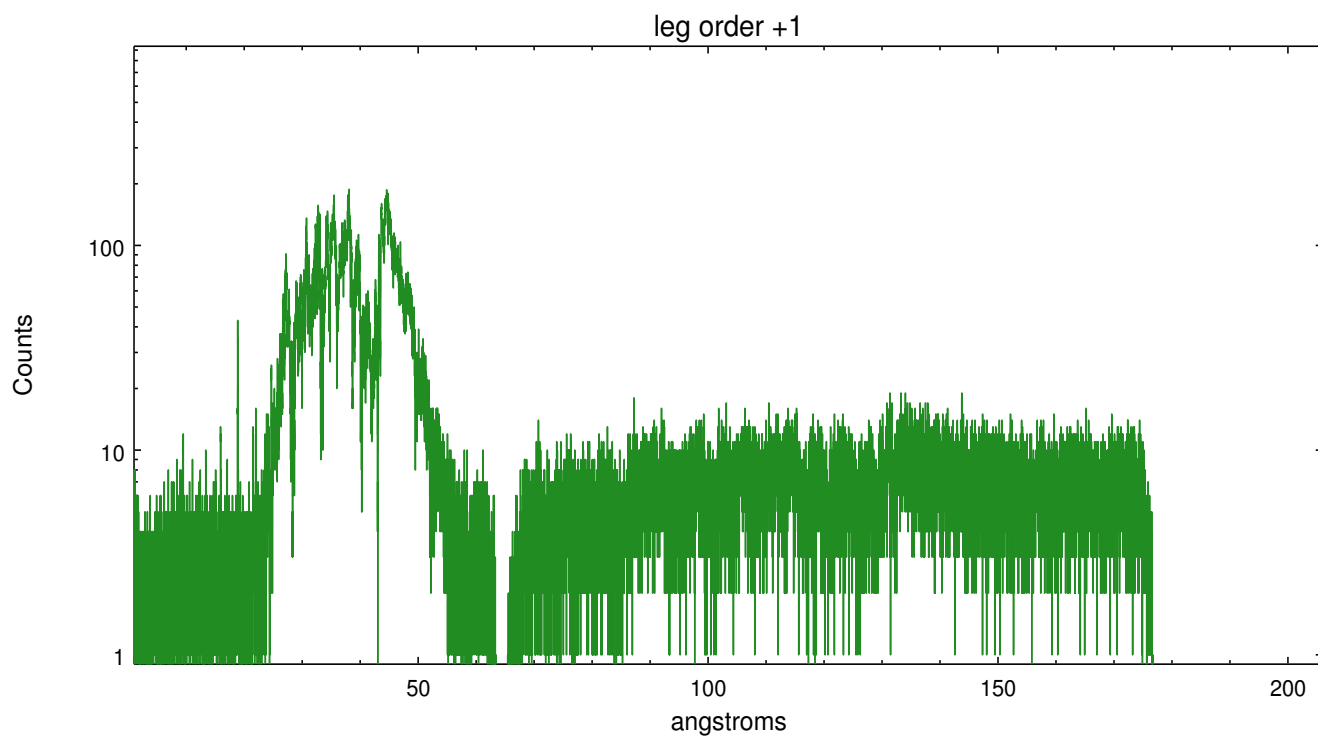
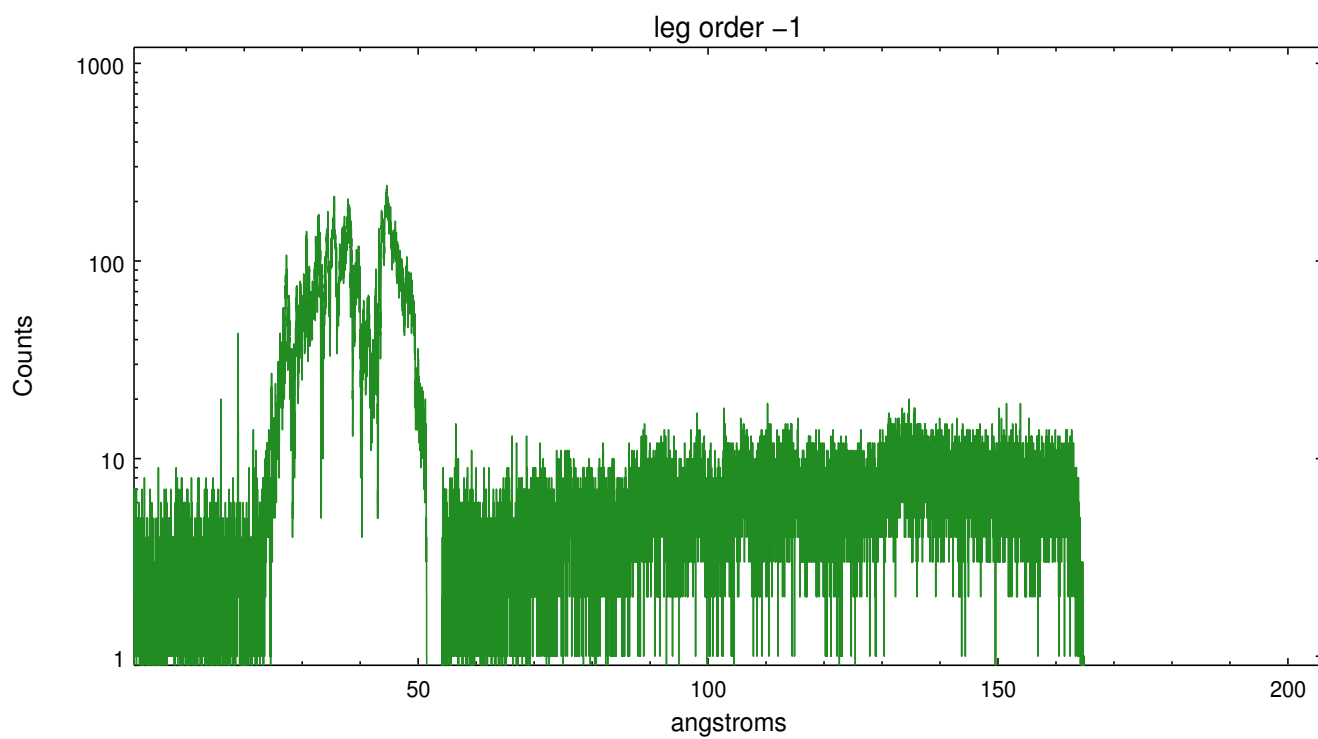


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.189384092689

A.2 Comments