

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3722 - L2 Version 4
Chandra X-Ray Center

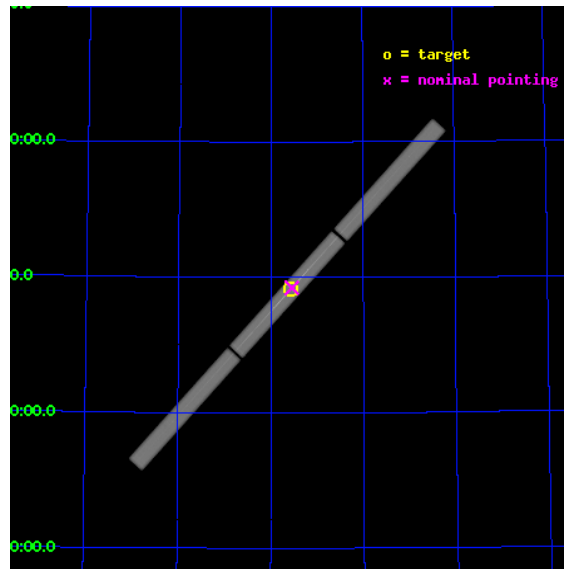
L2 Processing Date : Oct 12 2012

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1 Front

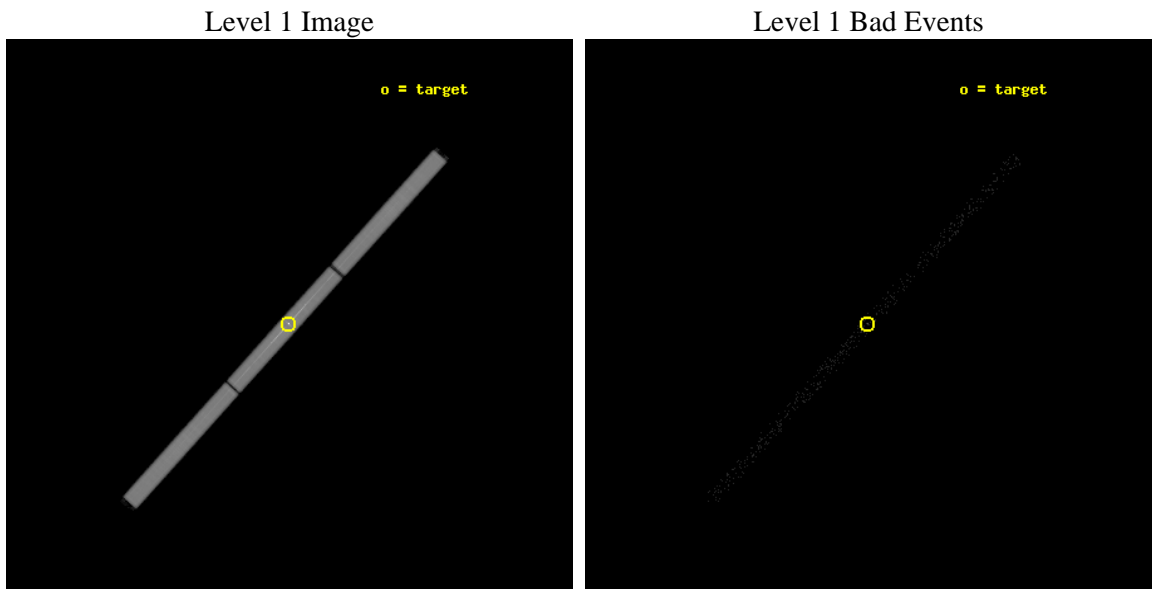
seq_num	200166	Sequence number
obs_id	3722	Observation id
title	HEAVY ION TRANSPORT: MULTI-TEMPERATURE ABUNDANCE STUDIES OF THE ACTIVE RS CVN LAMBDA AND	Proposal title
observer	Dr. Nancy Brickhouse	Principal investigator
object	LAMBDA AND	Source name
ra_targ	354.390833	Observer's specified target RA [deg]
dec_targ	46.458139	Observer's specified target Dec [deg]
ra_nom	354.38643310293	Nominal RA [deg]
dec_nom	46.46173727042	Nominal Dec [deg]
roll_nom	132.0792550223	Nominal Roll [deg]
revision	4	Processing version of data
ontime	49155.03014484	[s]
livetime	48819.873807614	Ontime multiplied by DTCOR
l2events	2833032	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	49300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49156.183270901	[s]
caldbver	4.5.2	 	l1events	3779974	Number of level 1 events
date	2012-10-11T20:33:43	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

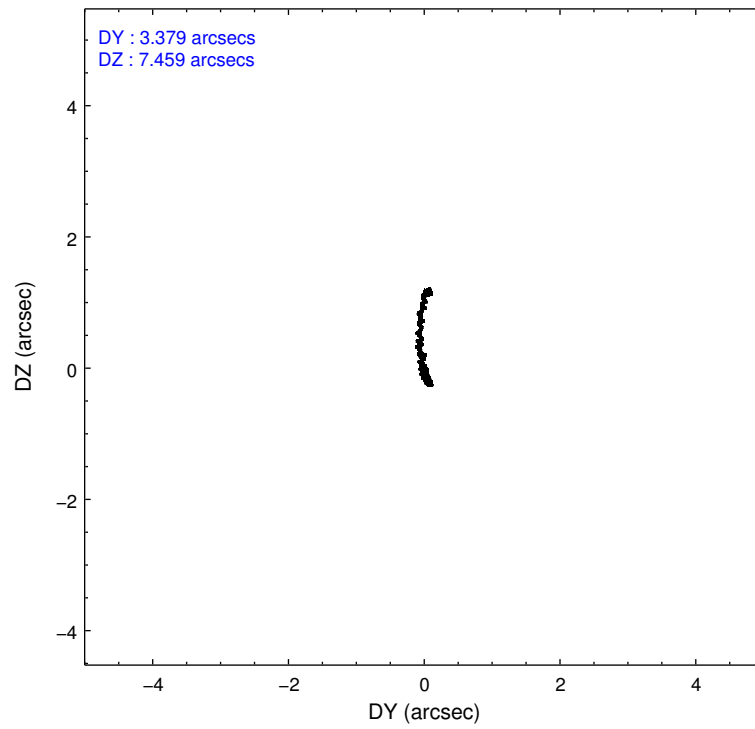
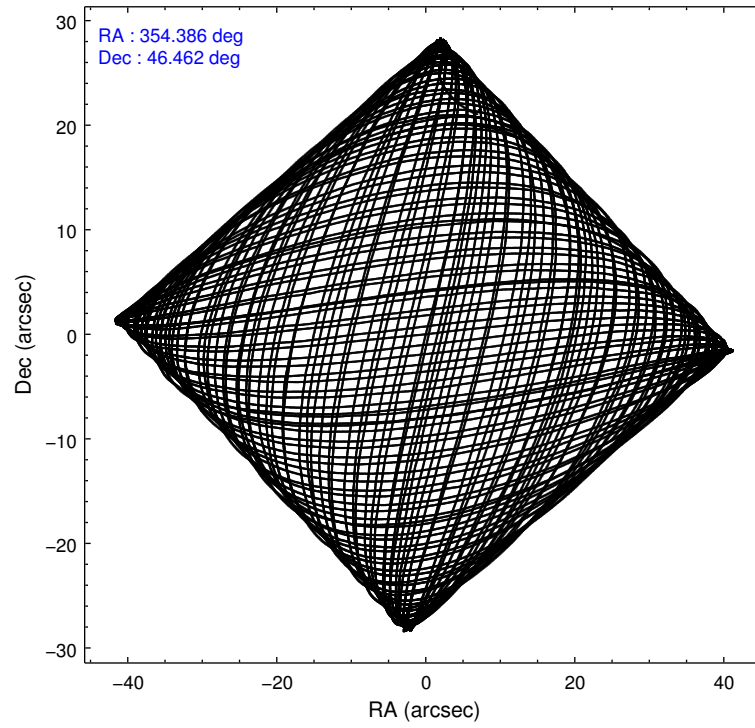
Level 1 Events

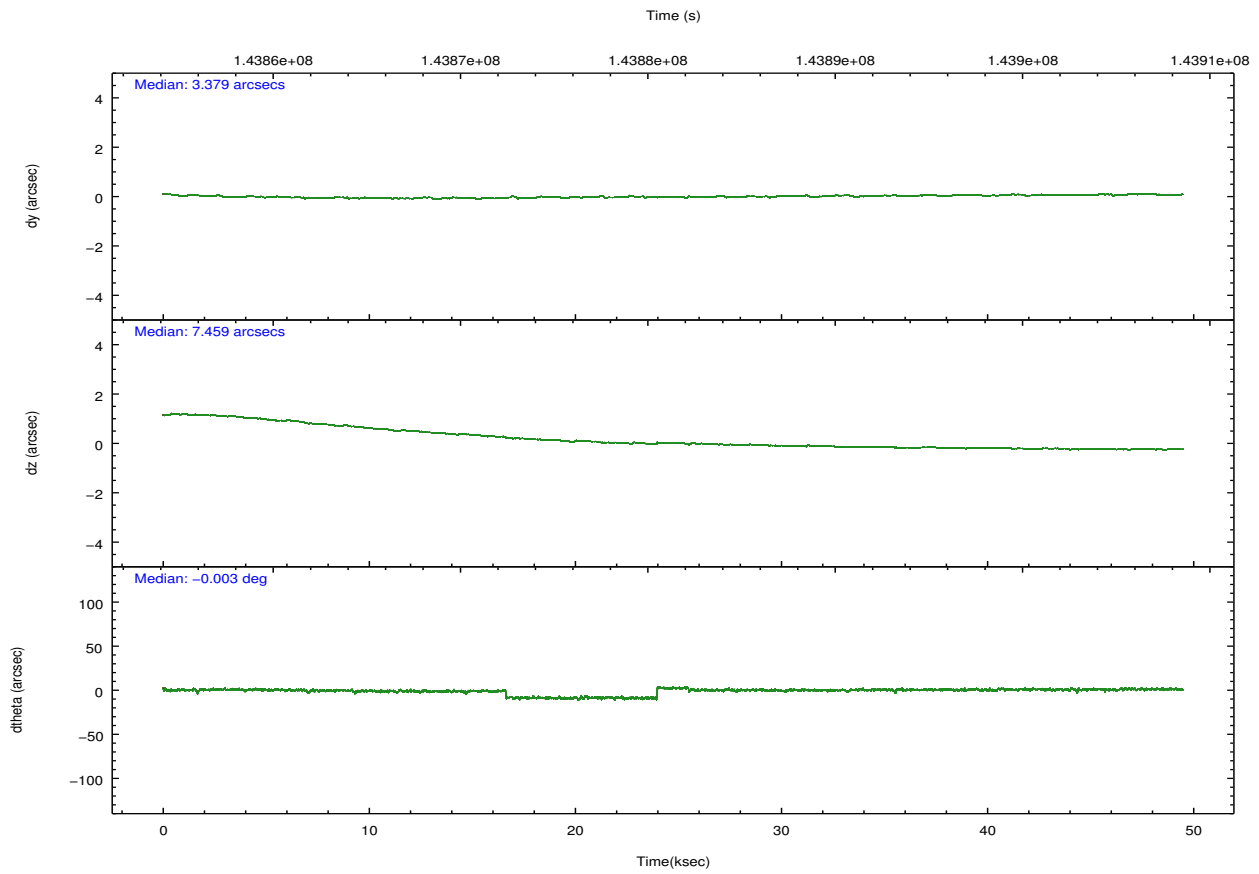
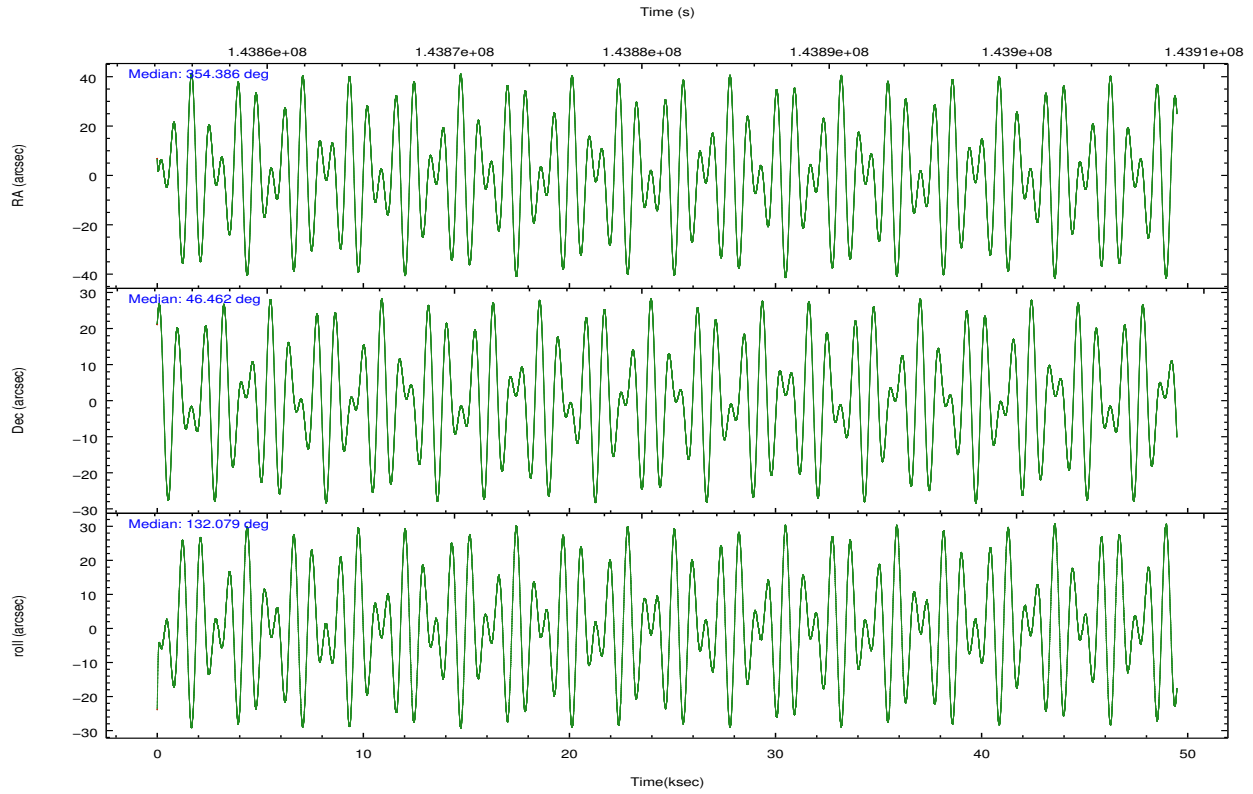
	segment 1	segment 2	segment 3
level 1 events	1203242	1378135	1198597
rejected events	2597	22555	2558
rejected %	0%	1%	0%

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	354.426516	354.3864331029279			
[deg] Pointing Dec	46.454250	46.46173727042039			
[deg] Pointing Roll	131.982866	132.0792550222976			
[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)	143856784.184000	143855520.84054			
Observation start date	2002-07-24T00:12:00	2002-07-23T23:52:00			
[s] Observation end time (MET)	143906084.184000	143907638.50518			
Observation end date	2002-07-24T13:53:40	2002-07-24T14:20:38			

2.3 Aspect



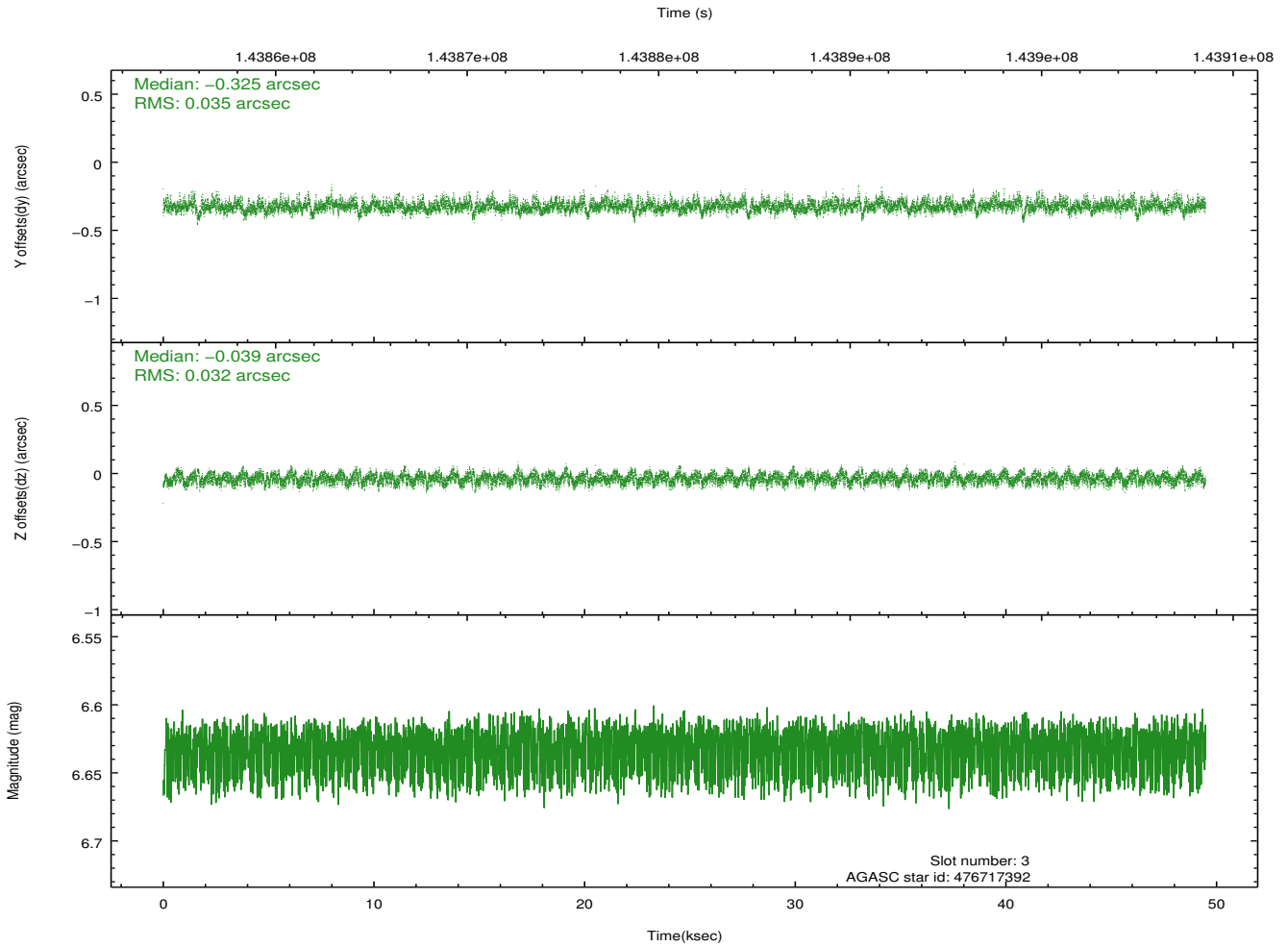
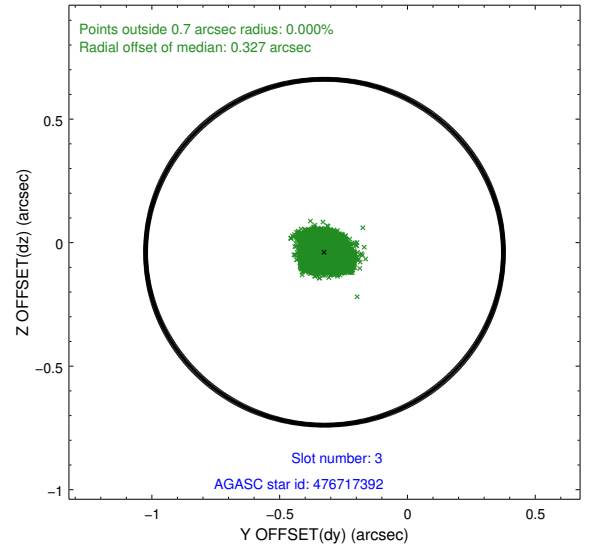
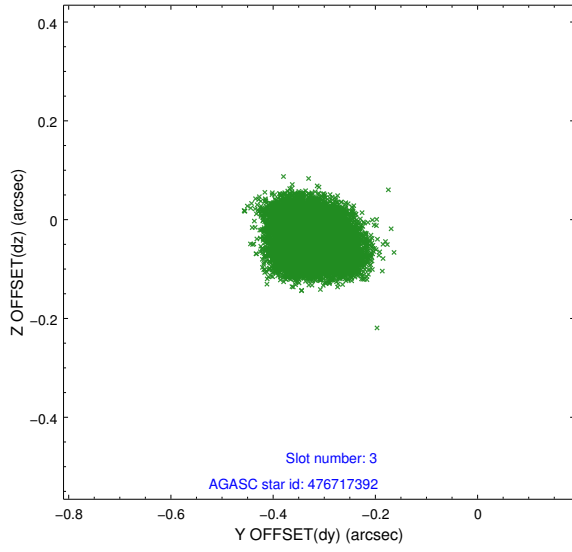


Slot Statistics

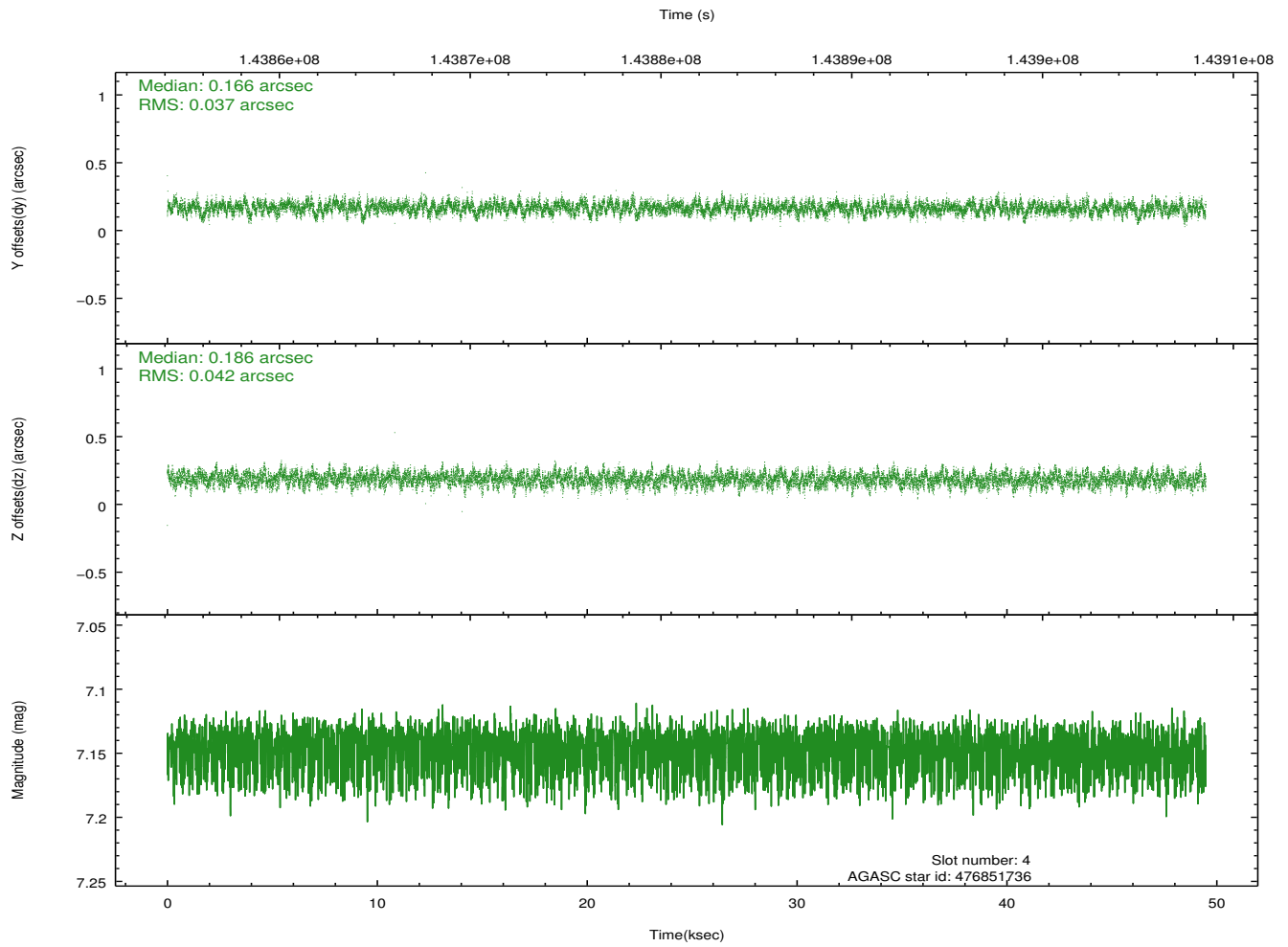
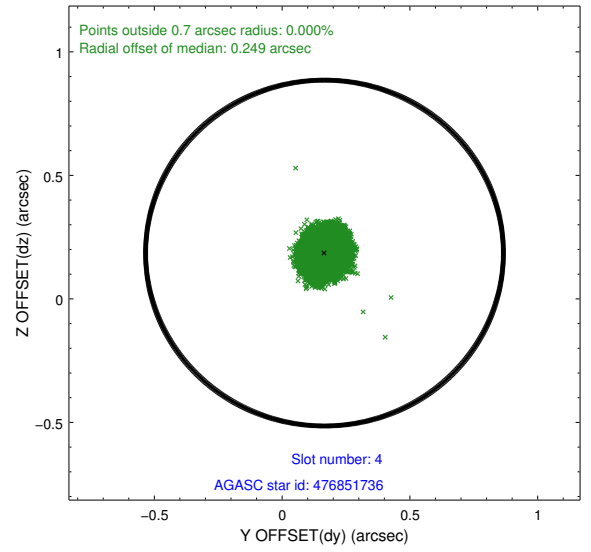
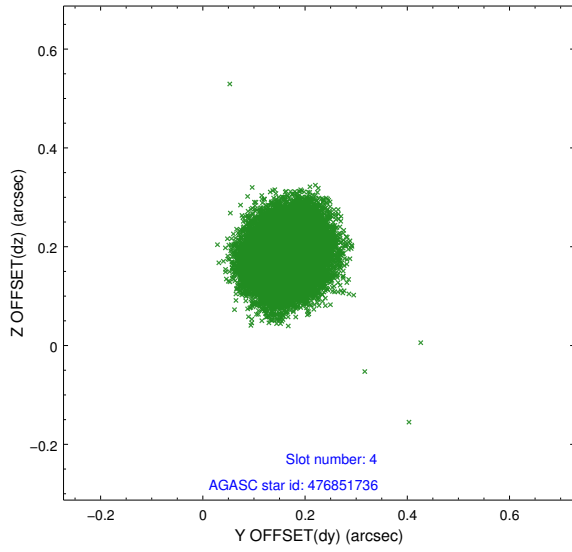
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.98	12069	0.080	-0.035	0.014	0.095	0.000000	0.000000	1242.19	-448.79
1	FID	HRC-S-3	7.00	12069	0.133	-0.122	0.012	0.036	0.000000	0.000000	-1160.04	573.29
2	FID	HRC-S-4	6.96	12068	0.194	-0.139	0.019	0.102	0.000000	0.000000	1240.79	575.91
3	GUIDE	476717392	6.63	24137	-0.325	-0.039	0.050	0.084	353.455117	46.680994	2221.22	1227.84
4	GUIDE	476851736	7.15	24137	0.166	0.186	0.060	0.096	355.272674	46.218265	-2033.48	-1005.22
5	GUIDE	476718520	7.42	24138	-0.306	-0.004	0.047	0.076	353.709867	46.860116	2270.81	328.95
6	GUIDE	476709736	8.51	24134	0.218	-0.125	0.079	0.125	354.343069	45.728505	-1802.44	1903.68
7	GUIDE	476848200	8.91	24126	0.247	-0.018	0.068	0.114	354.898689	46.018108	-1954.85	170.78

2.4 Star Slots

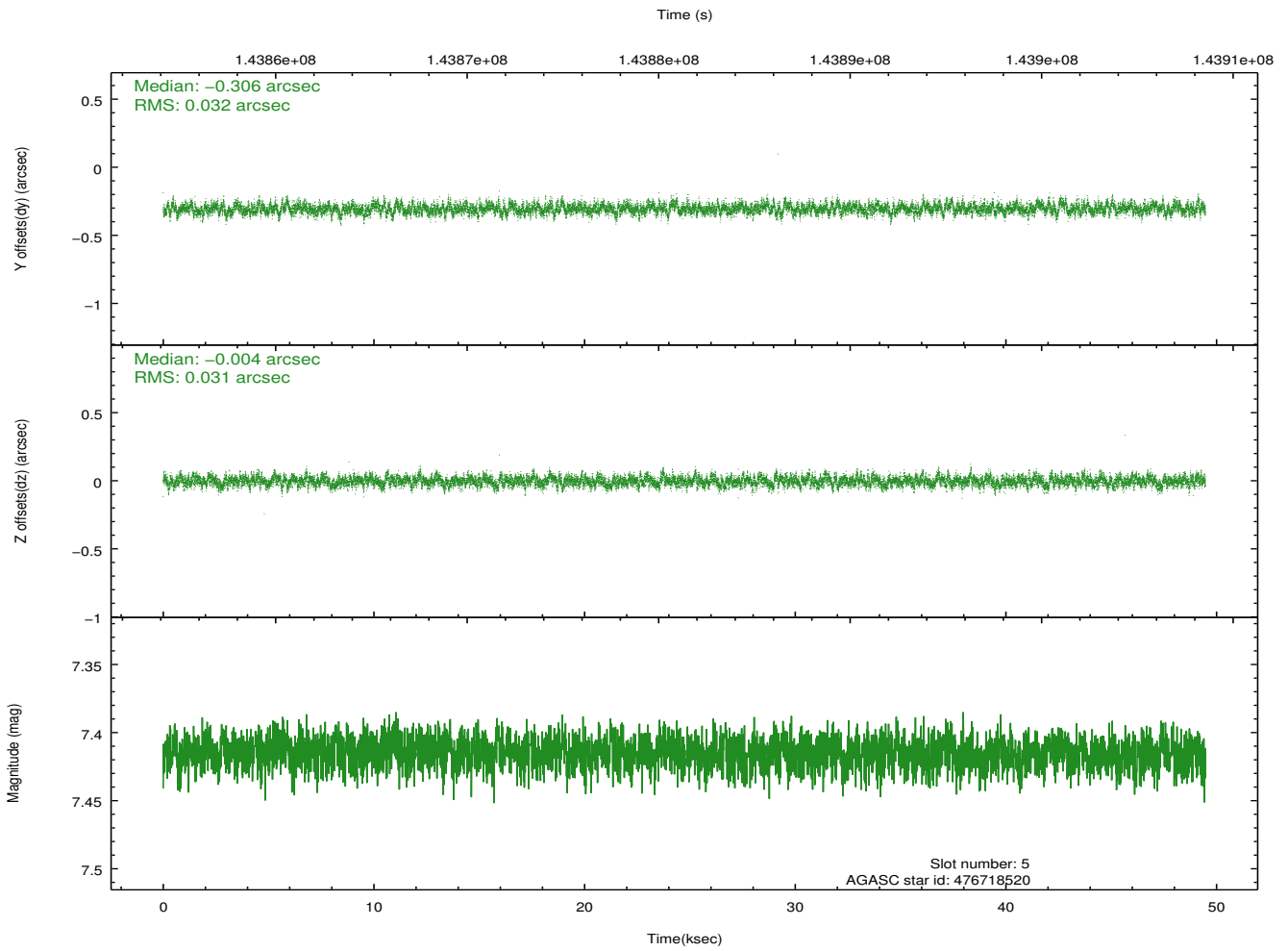
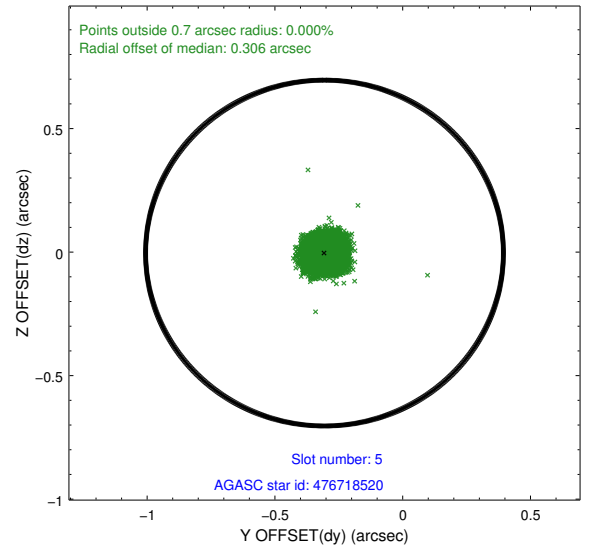
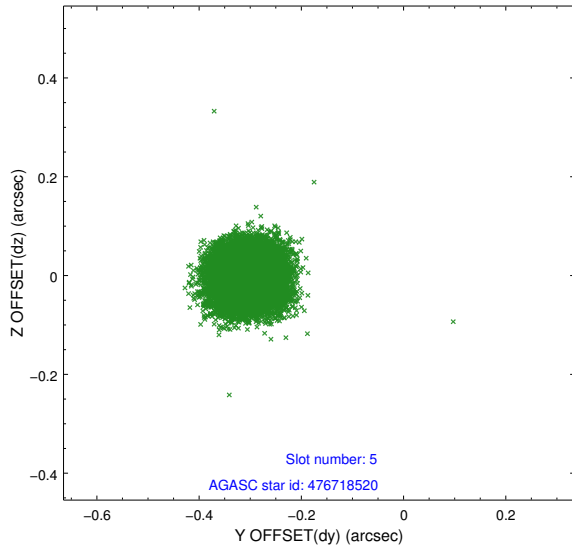
2.4.1 Slot 3



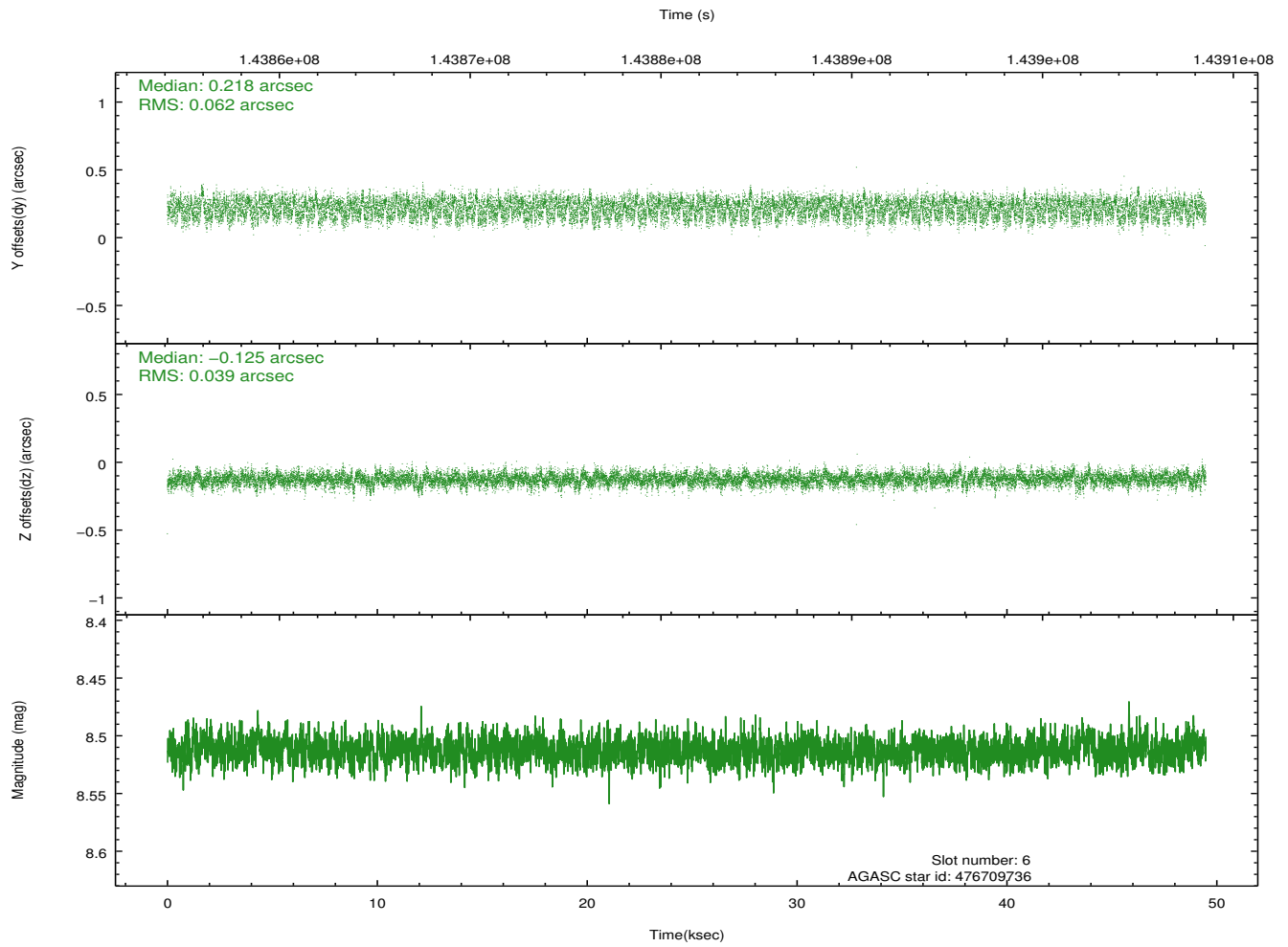
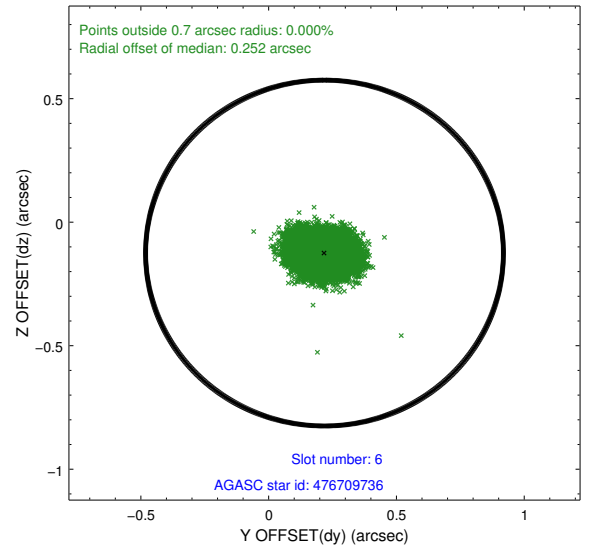
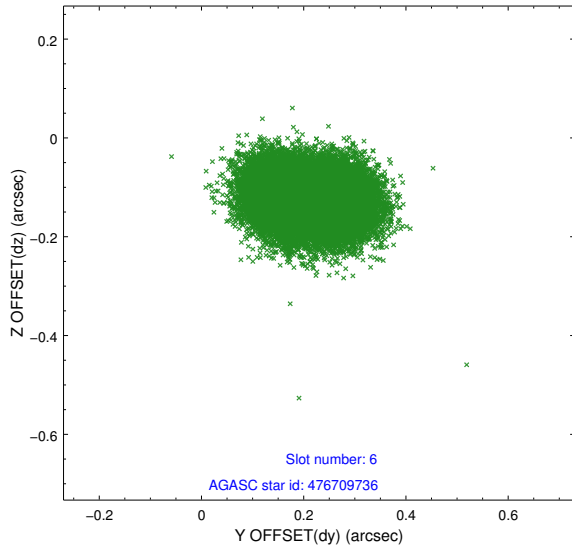
2.4.2 Slot 4



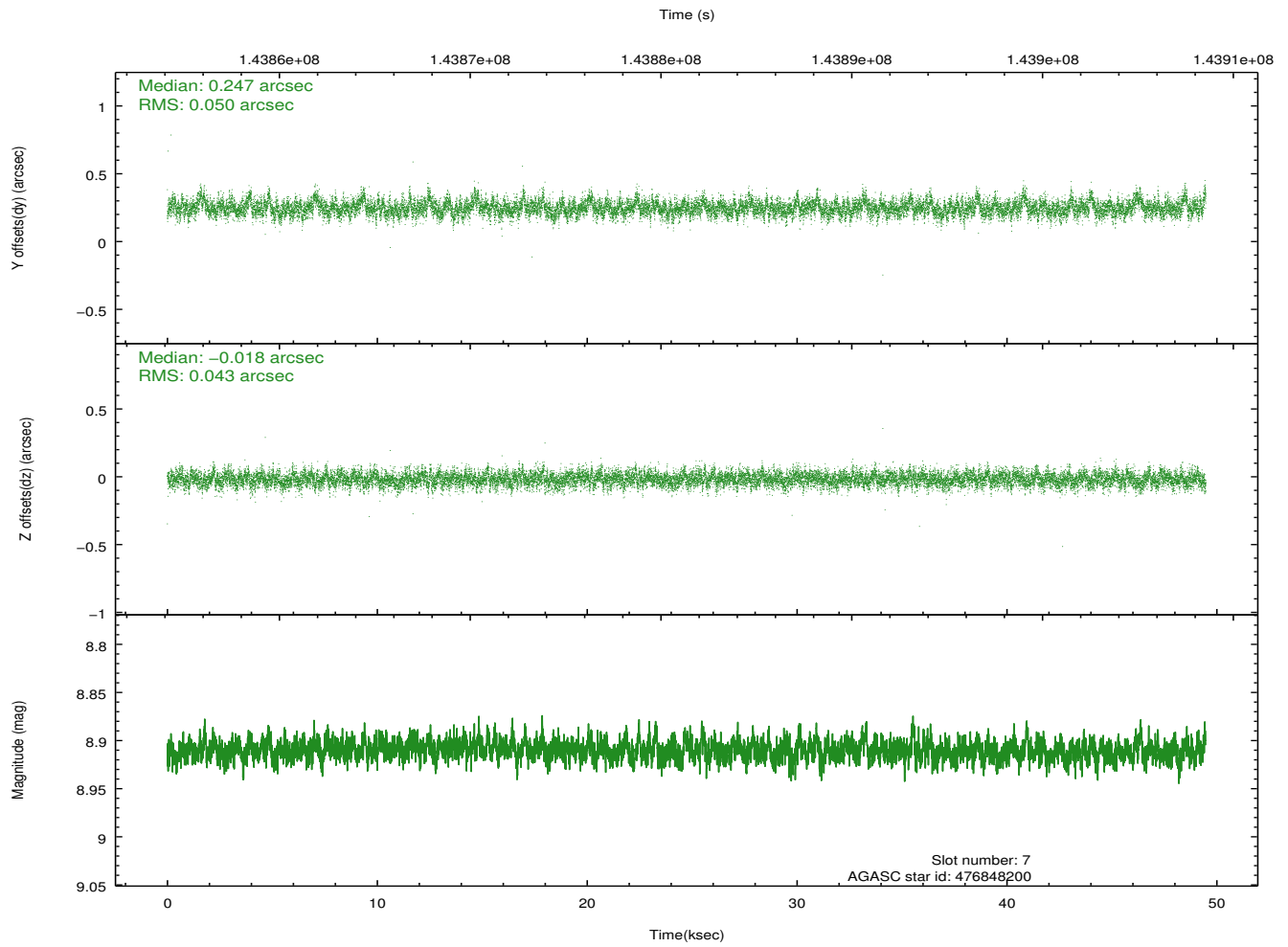
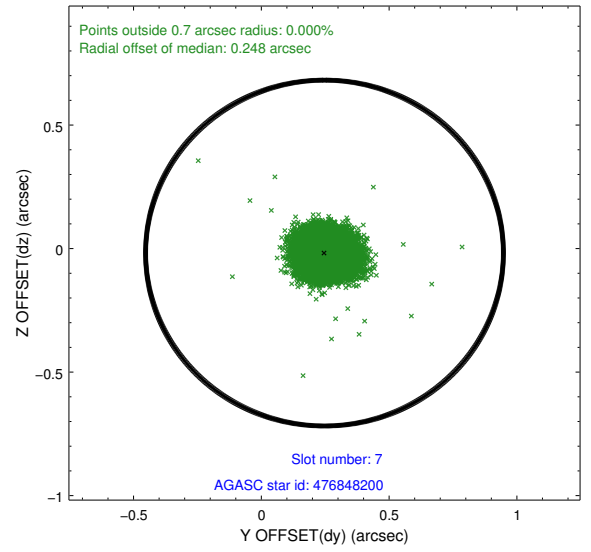
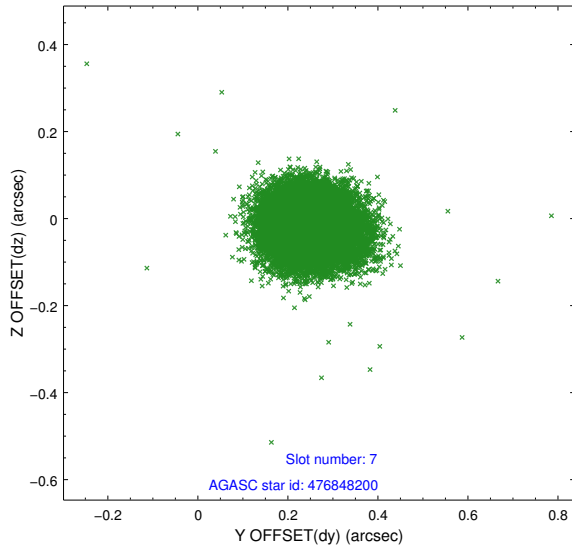
2.4.3 Slot 5



2.4.4 Slot 6

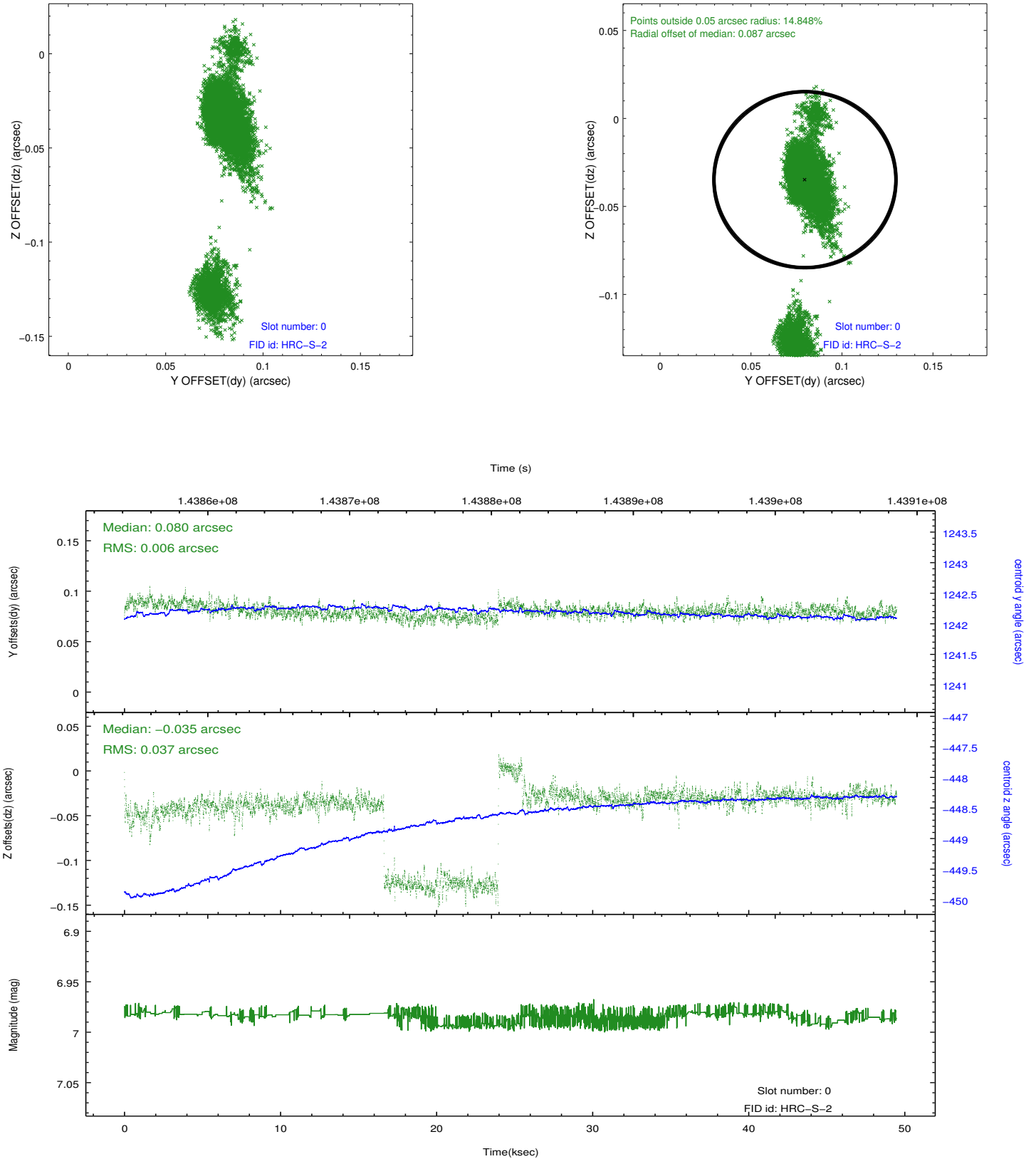


2.4.5 Slot 7

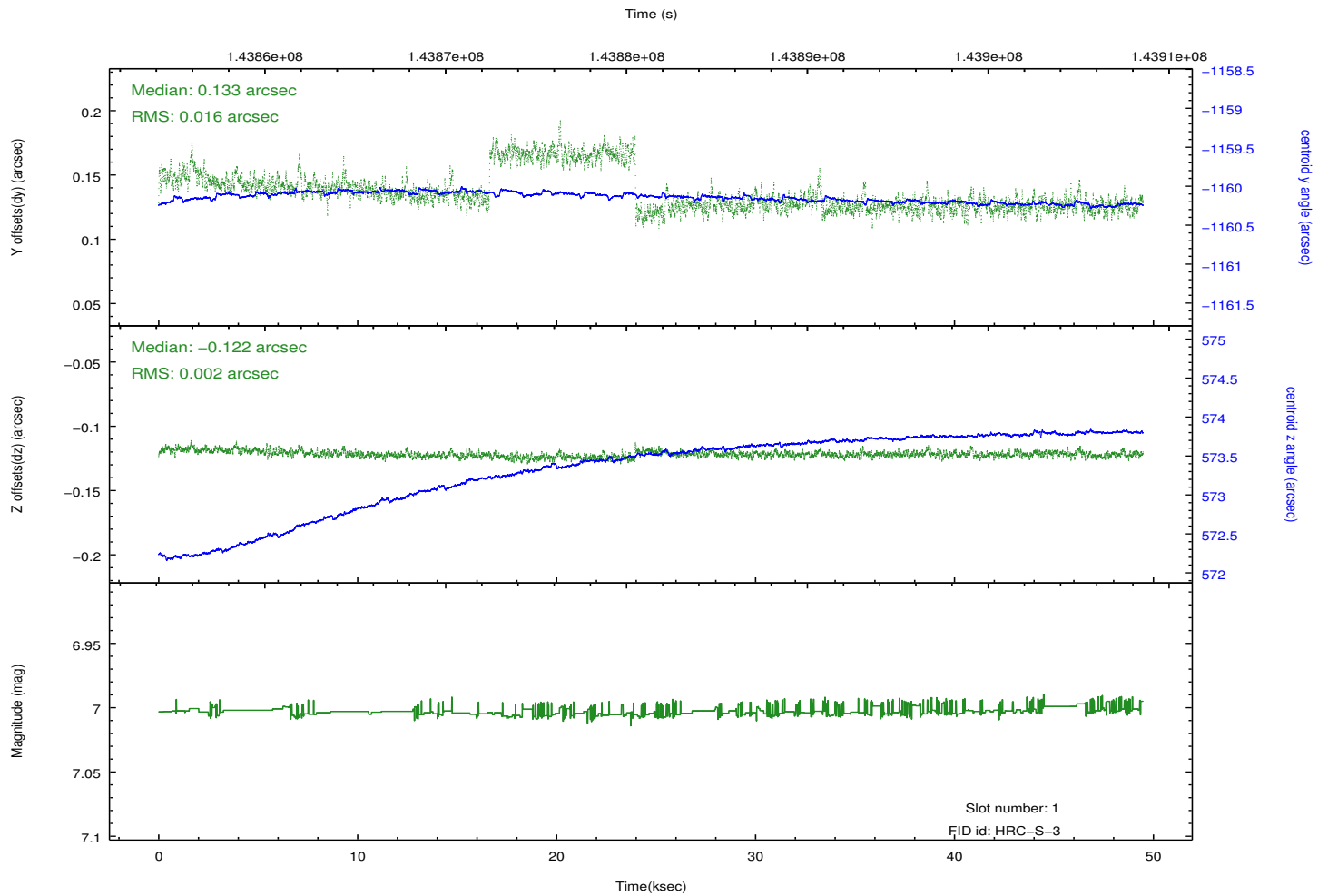
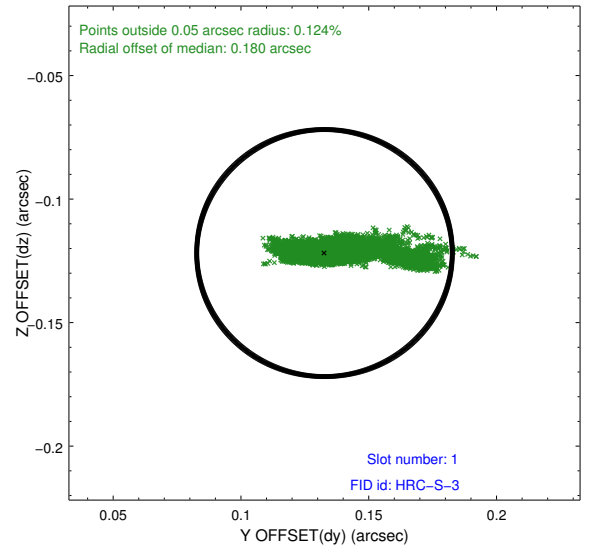
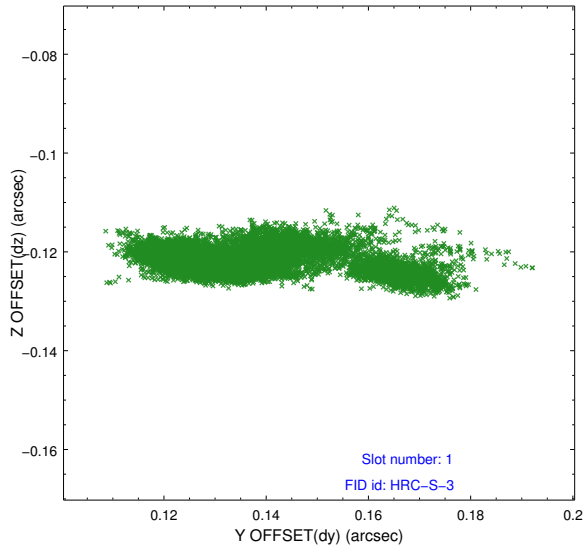


2.5 FID Slots

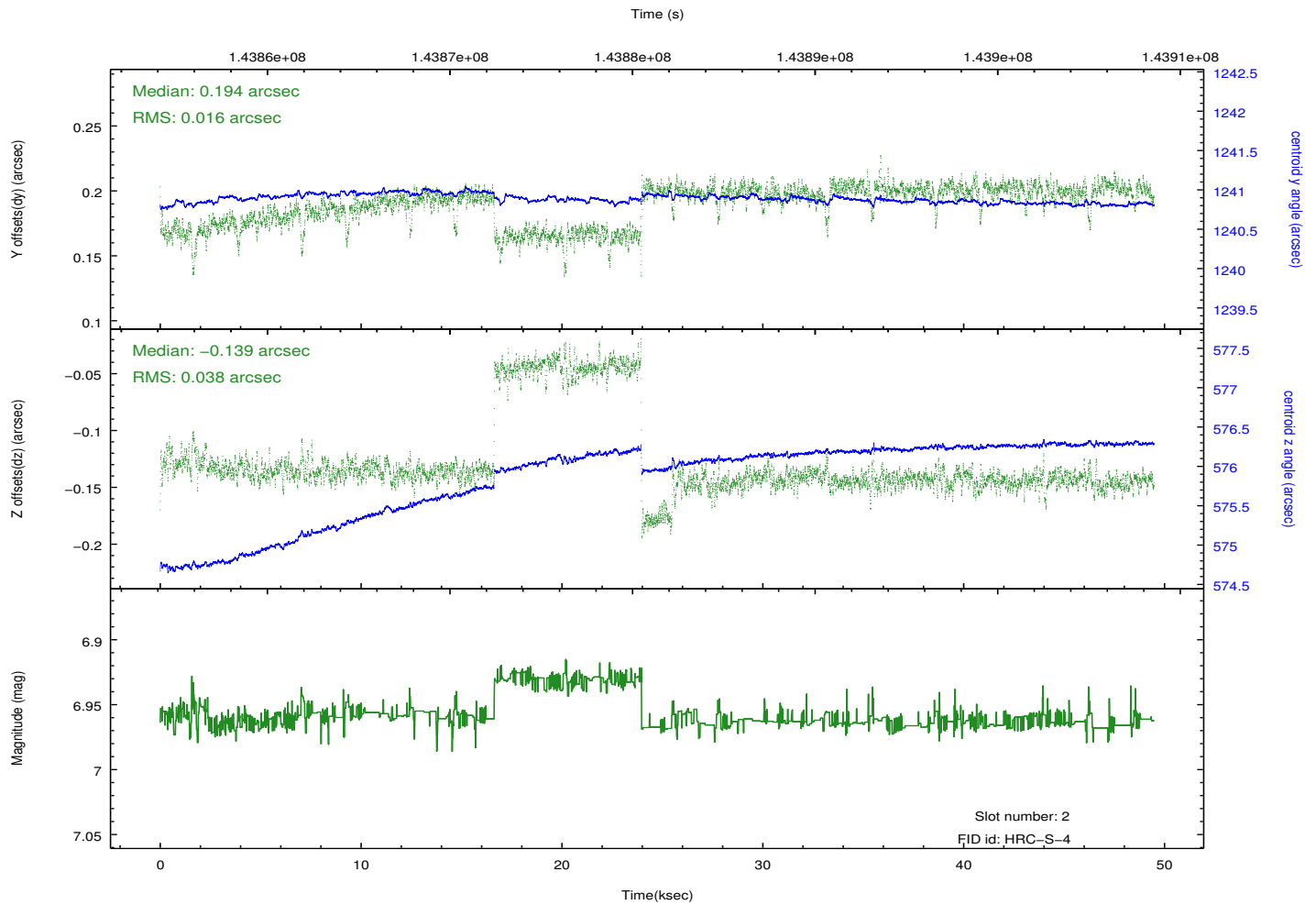
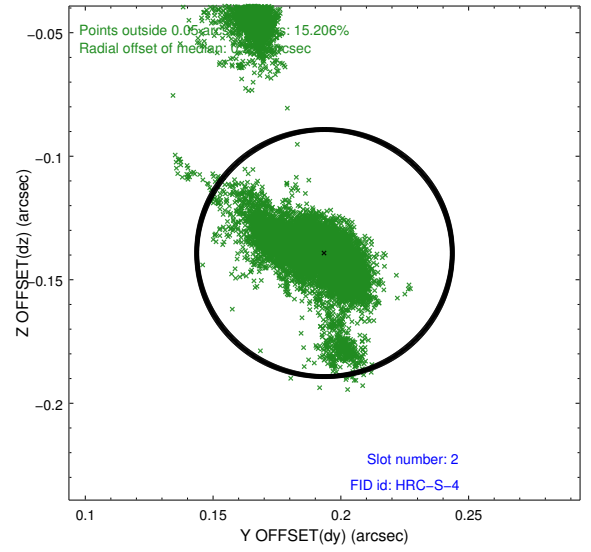
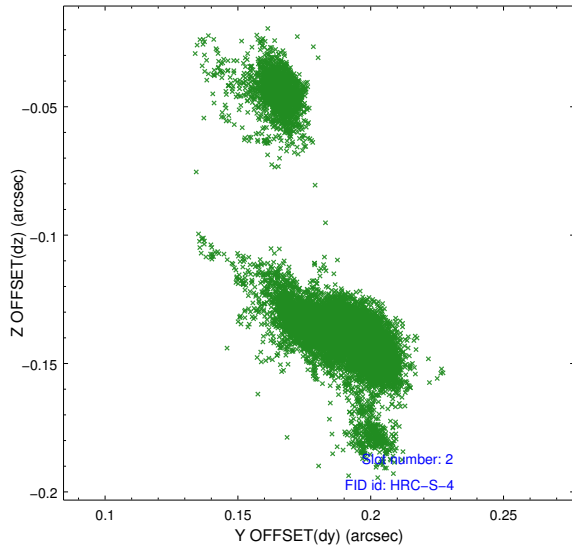
2.5.1 Slot 0



2.5.2 Slot 1

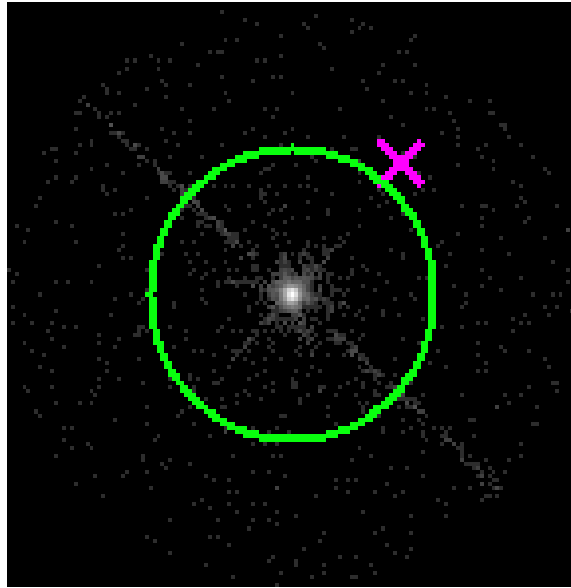


2.5.3 Slot 2

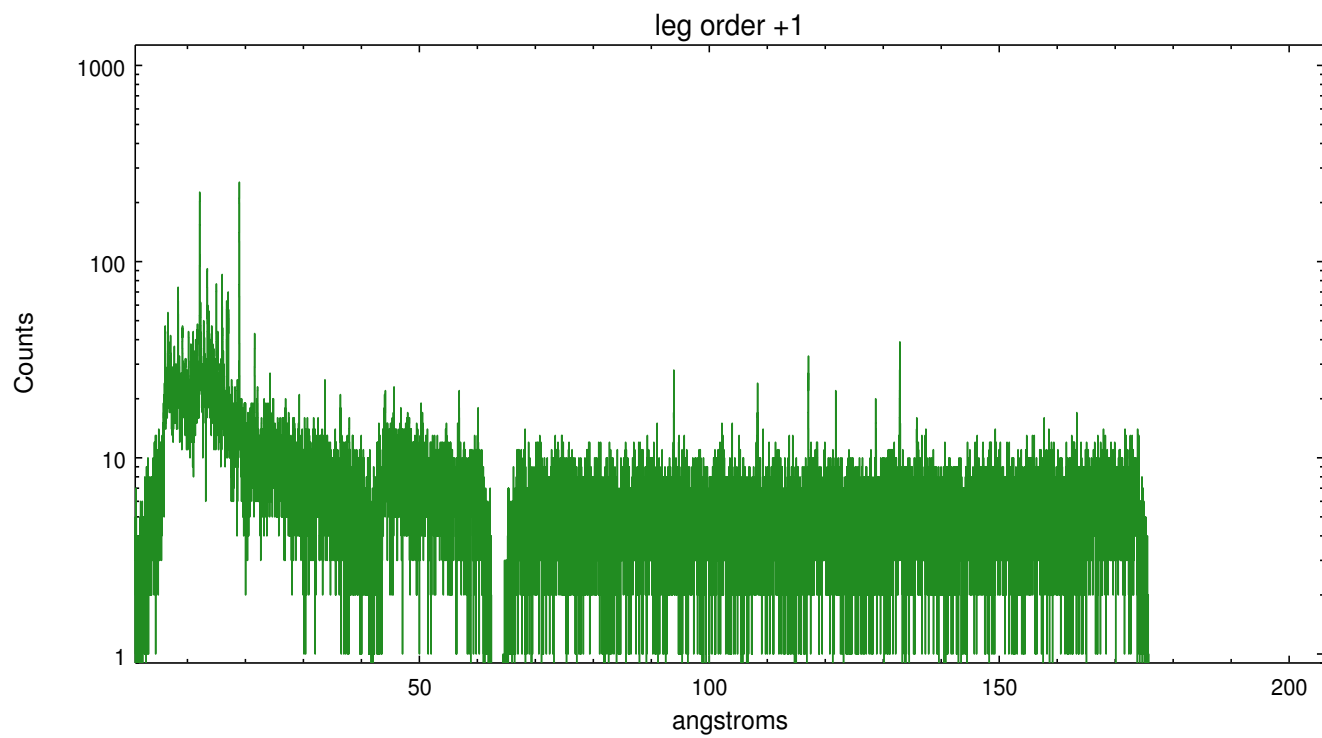
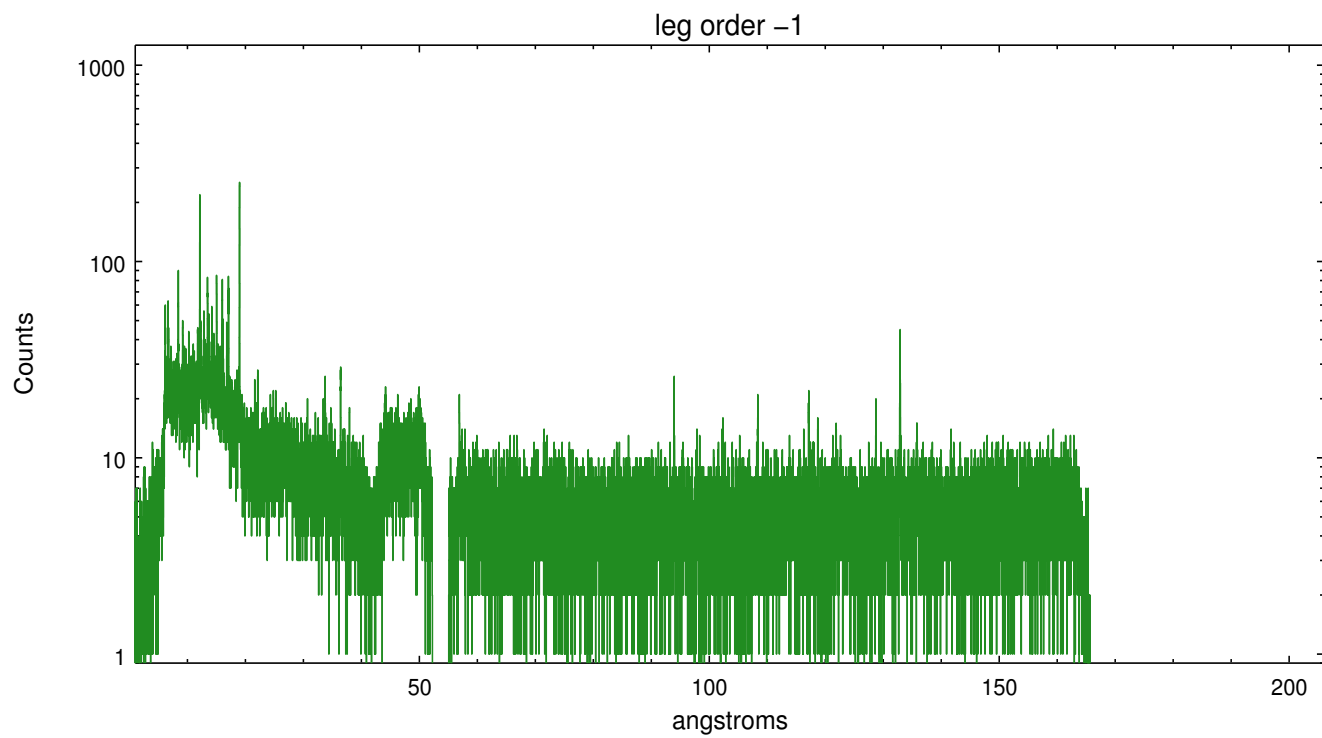


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.154

A.2 Comments