

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2602 - L2 Version 4
Chandra X-Ray Center

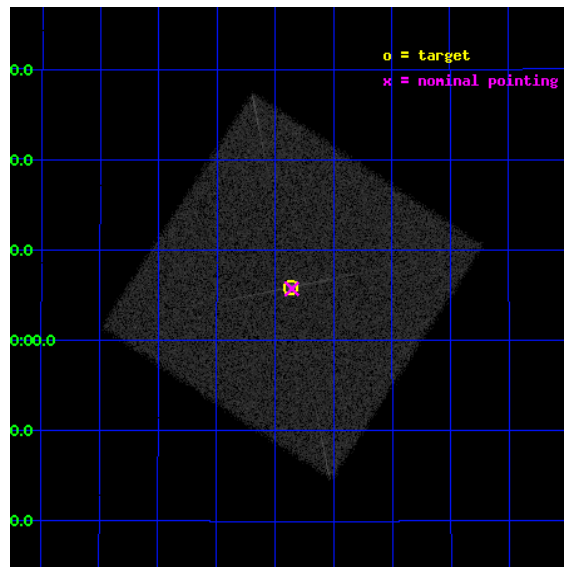
L2 Processing Date : Oct 11 2012

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1 Front

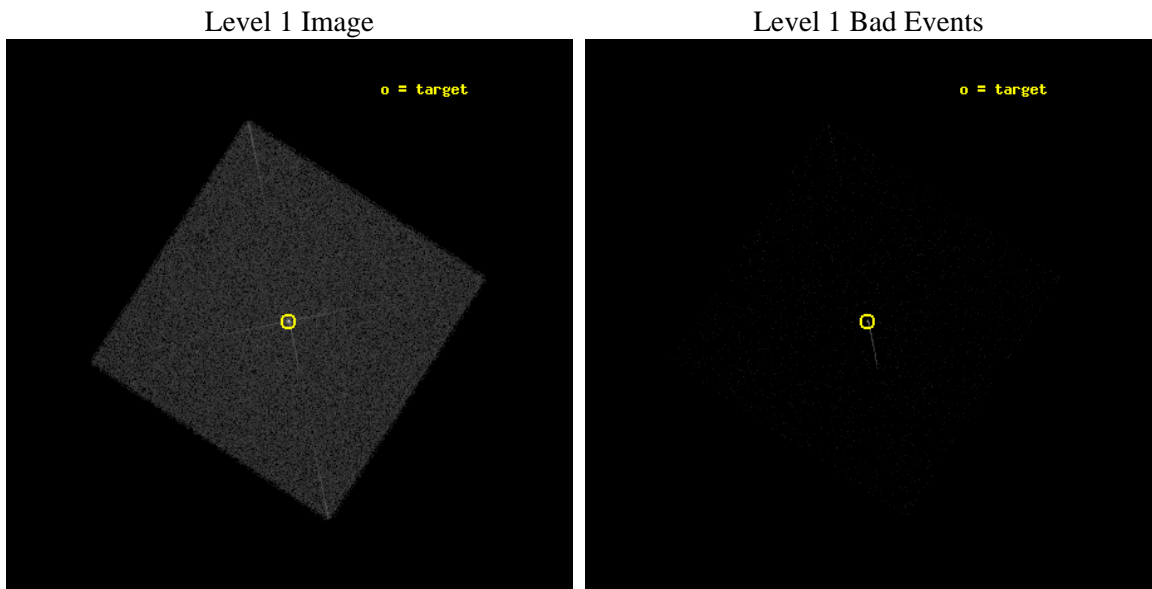
seq_num	290158	Sequence number
obs_id	2602	Observation id
title	AO3 LETG/HRC-I CALIBRATION OBSERVATIONS OF HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08911167878	Nominal RA [deg]
dec_nom	29.095622152161	Nominal Dec [deg]
roll_nom	258.2307854519	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1893.4313278794	[s]
livetime	1877.5110850484	Ontime multiplied by DTCOR
l2events	122334	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1893.4313278794	[s]
caldsver	4.5.2	 	l1events	189241	Number of level 1 events
date	2012-10-11T19:28:08	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

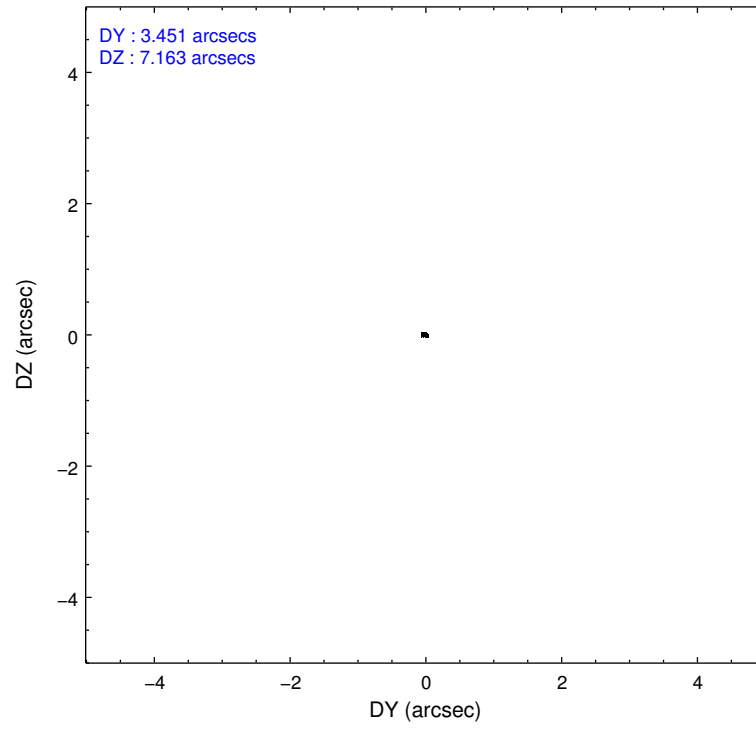
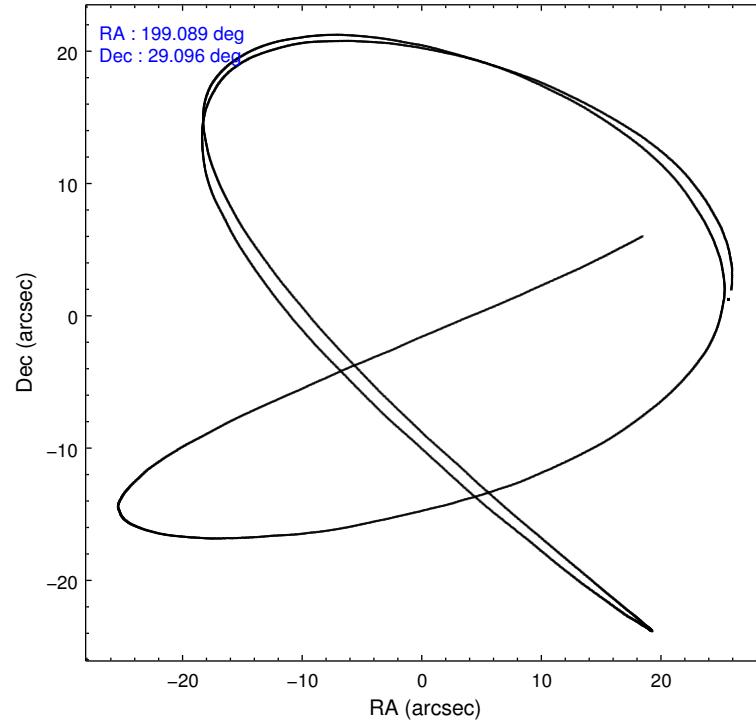
Level 1 Events

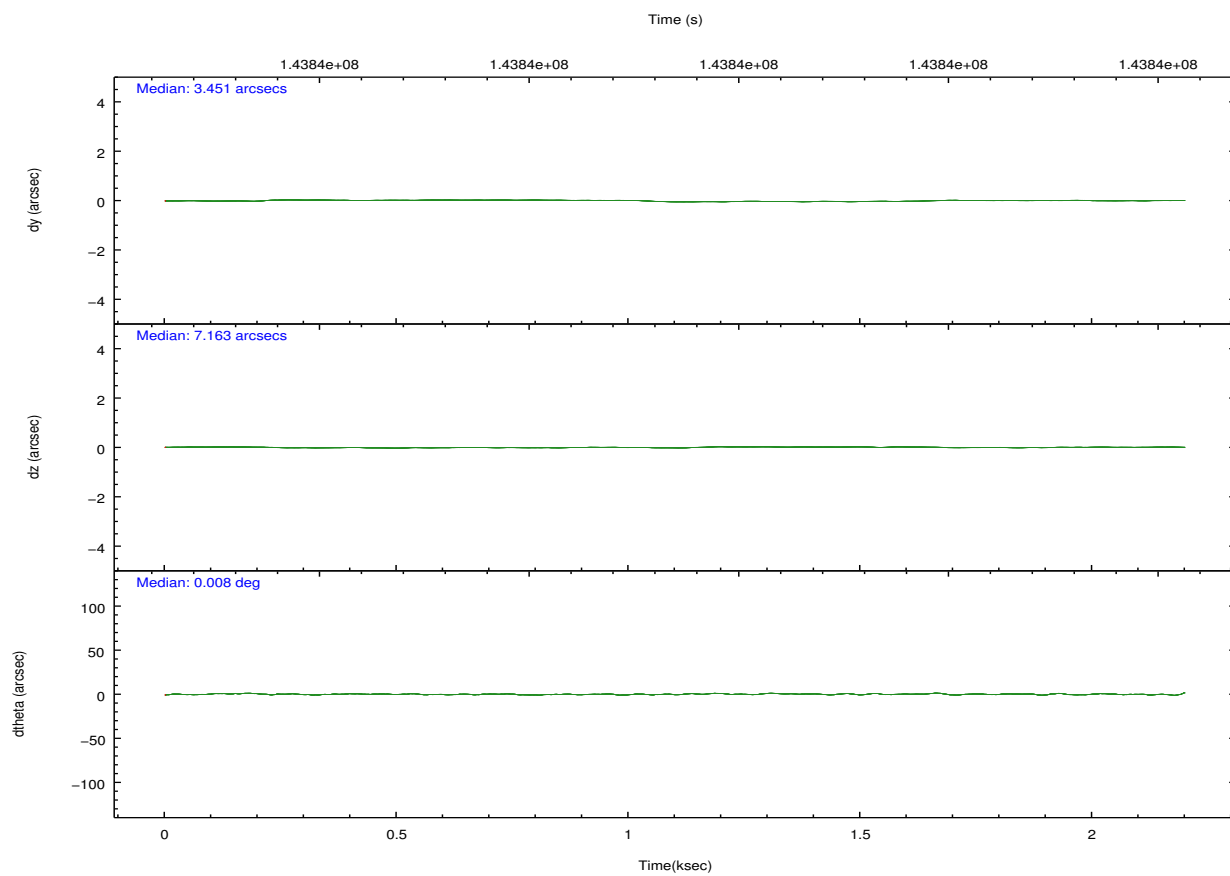
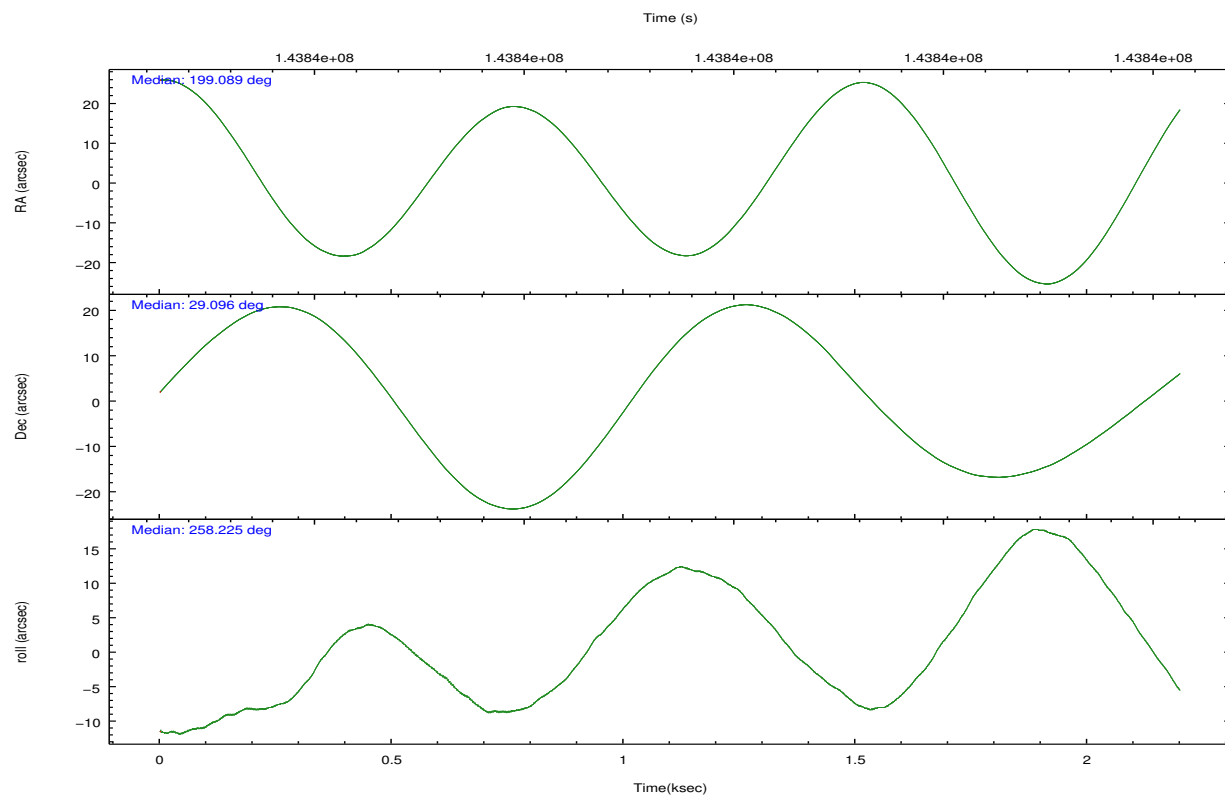
	segment 0
level 1 events	189241
rejected events	26318
rejected %	13%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	199.078998	199.0891116787761			
[deg] Pointing Dec	29.121109	29.09562215216109			
[deg] Pointing Roll	258.331211	258.2307854518994			
[s] Window start time (MET)	141868864.184000	141868864.184000			
[s] Window stop time (MET)	144460864.184000	144460864.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	143841946.184000	143841534.20247			
Observation start date	2002-07-23T20:04:42	2002-07-23T19:58:54			
[s] Observation end time (MET)	143843946.184000	143844101.31507			
Observation end date	2002-07-23T20:38:02	2002-07-23T20:41:41			

2.3 Aspect



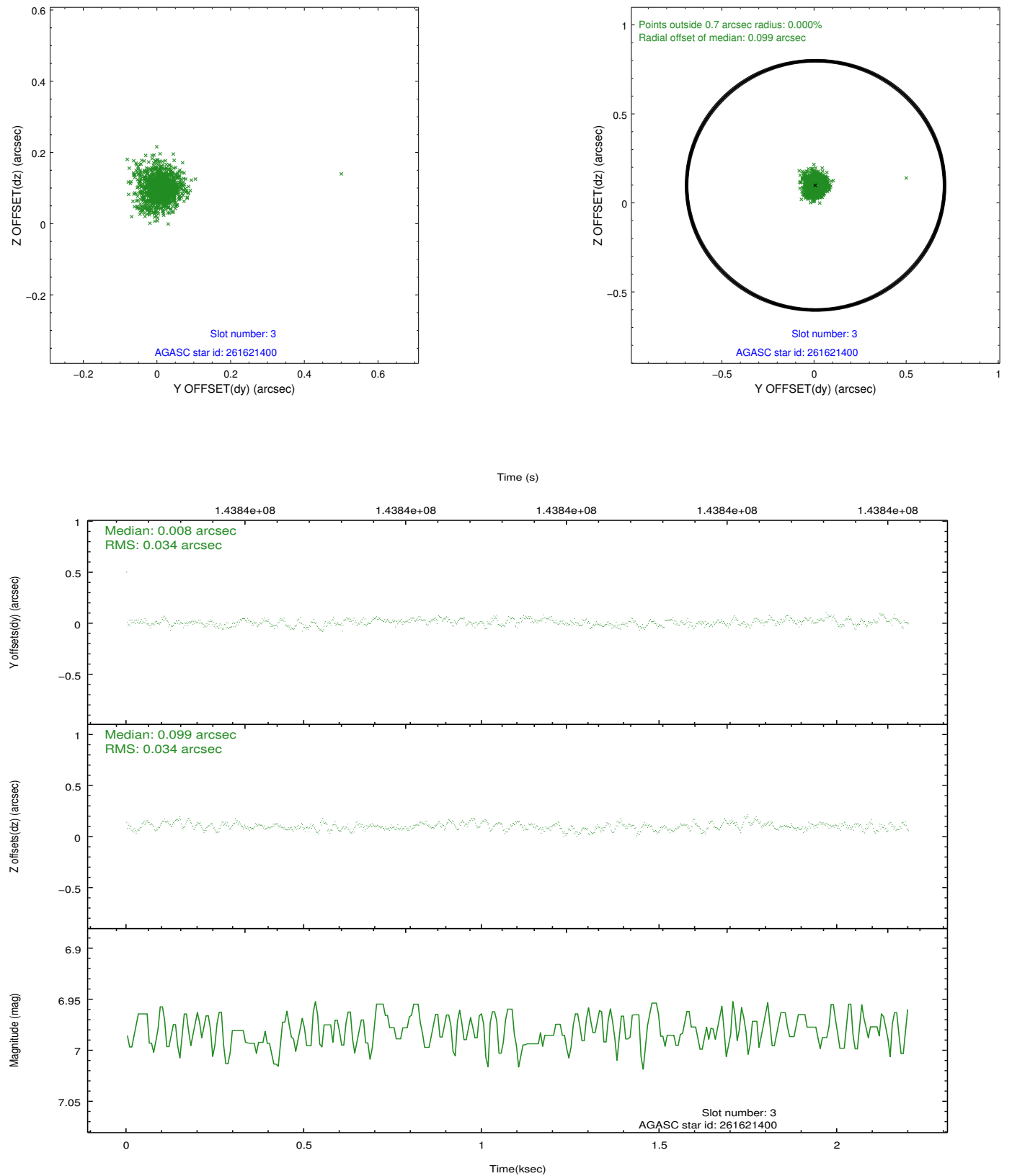


Slot Statistics

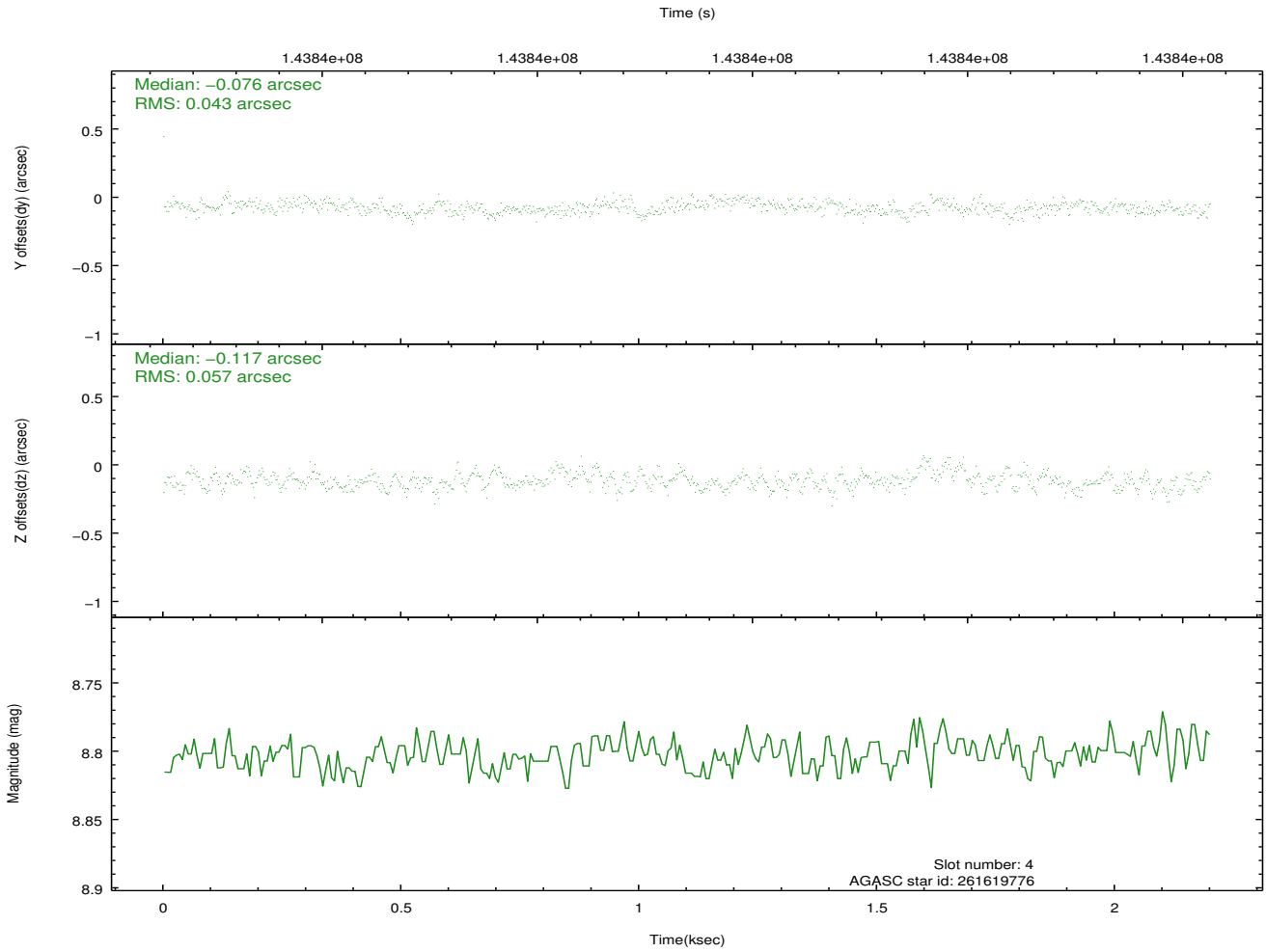
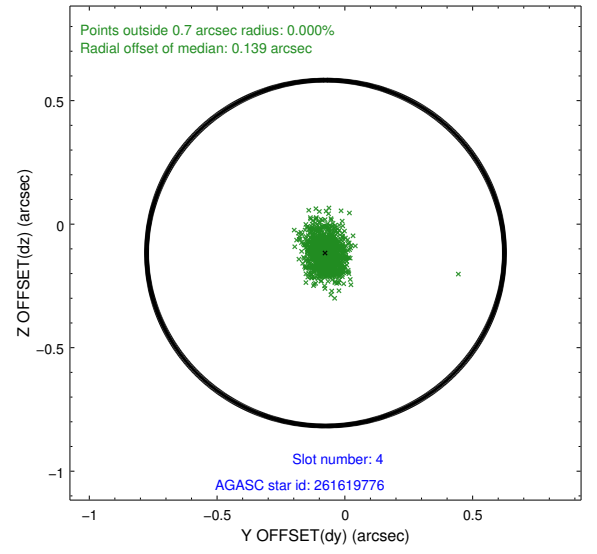
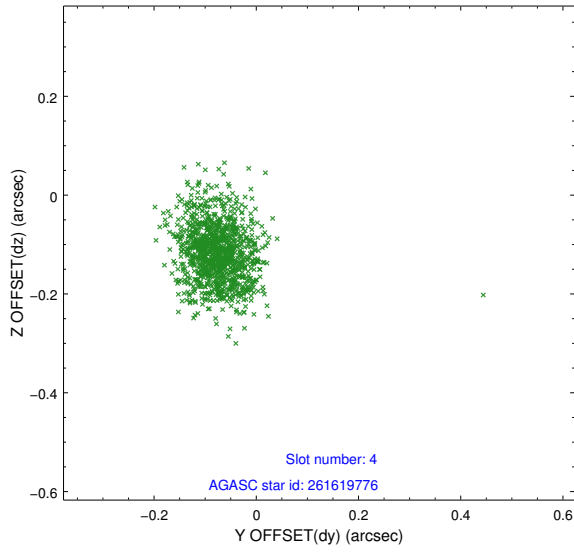
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	537	0.017	0.025	0.007	0.010	0.000000	0.000000	-758.90	-1295.05
1	FID	HRC-I-2	6.99	537	0.084	-0.067	0.005	0.009	0.000000	0.000000	852.39	-1299.10
2	FID	HRC-I-3	7.04	537	0.018	-0.048	0.006	0.010	0.000000	0.000000	-1185.82	1007.02
3	GUIDE	261621400	6.98	1074	0.008	0.099	0.048	0.079	198.901600	28.741982	1449.90	-271.03
4	GUIDE	261619776	8.80	1074	-0.076	-0.117	0.074	0.124	198.654383	29.401174	-718.56	-1507.66
5	GUIDE	261619992	9.33	1073	0.106	-0.030	0.091	0.148	198.395553	28.647634	2099.93	-1771.16
6	GUIDE	261623040	9.12	1072	-0.152	-0.021	0.070	0.117	198.792686	29.757643	-2062.00	-1340.68
7	GUIDE	261623624	9.13	1070	0.116	0.077	0.078	0.138	199.611555	28.454113	2005.31	2136.05

2.4 Star Slots

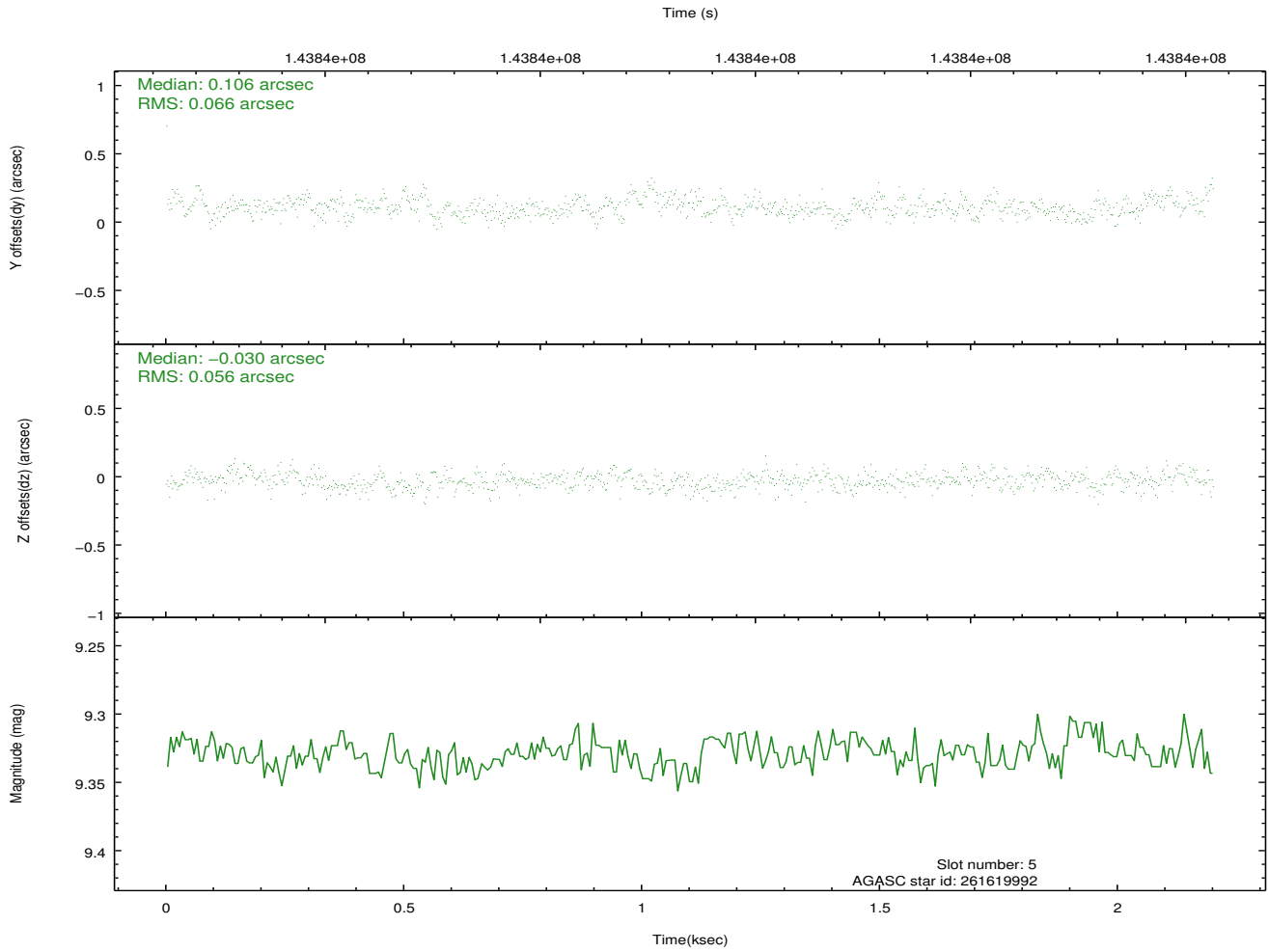
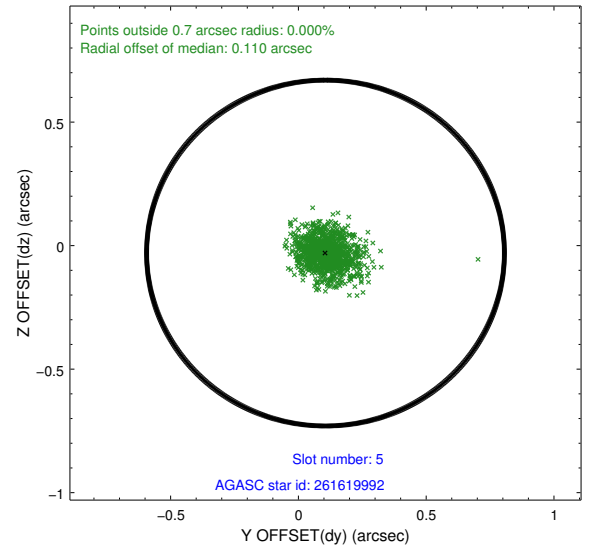
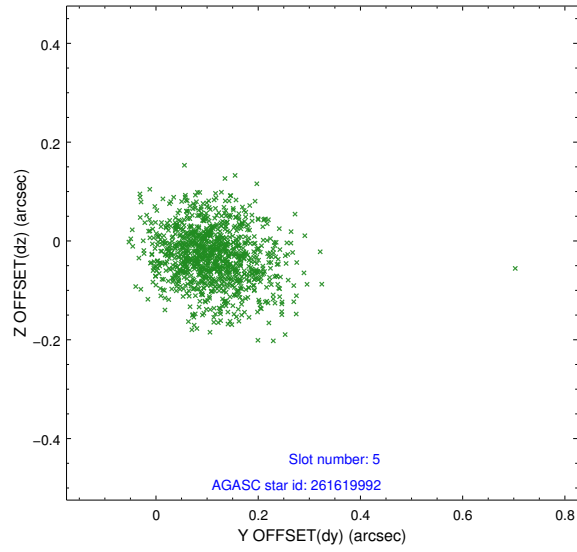
2.4.1 Slot 3



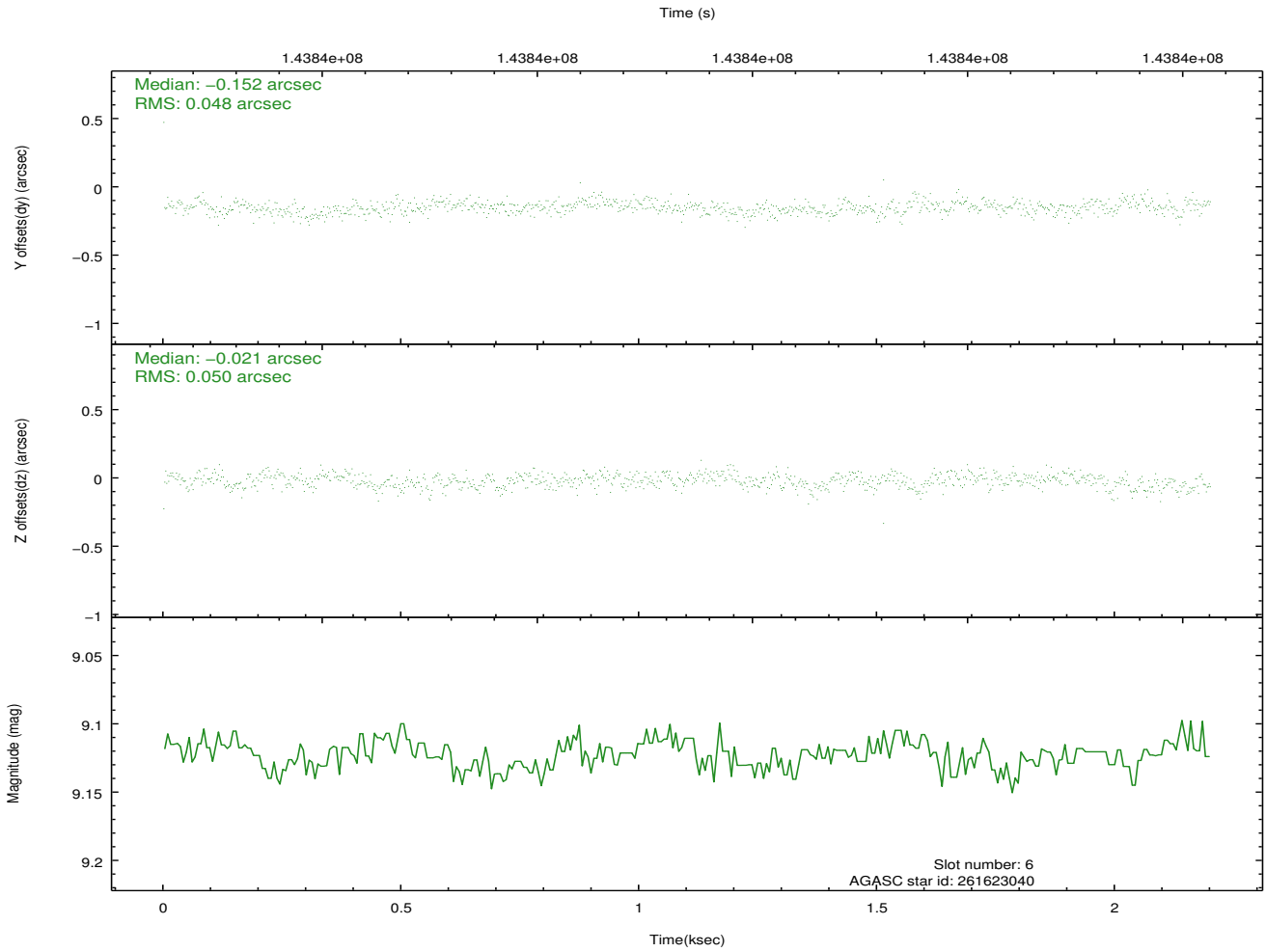
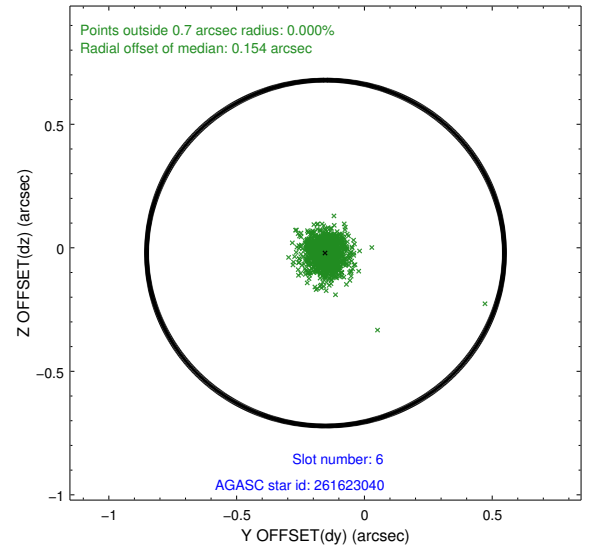
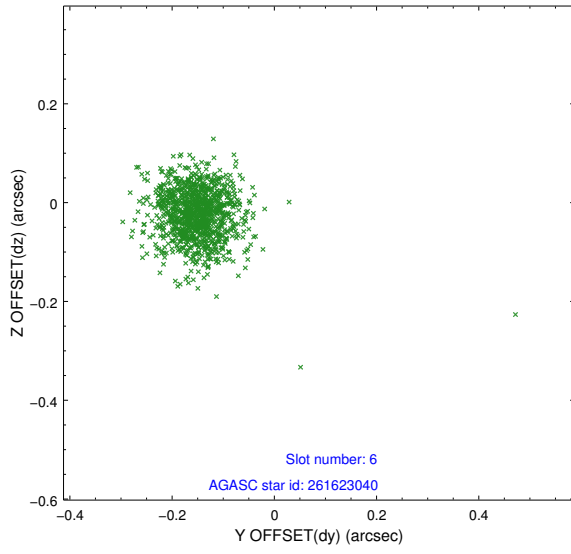
2.4.2 Slot 4



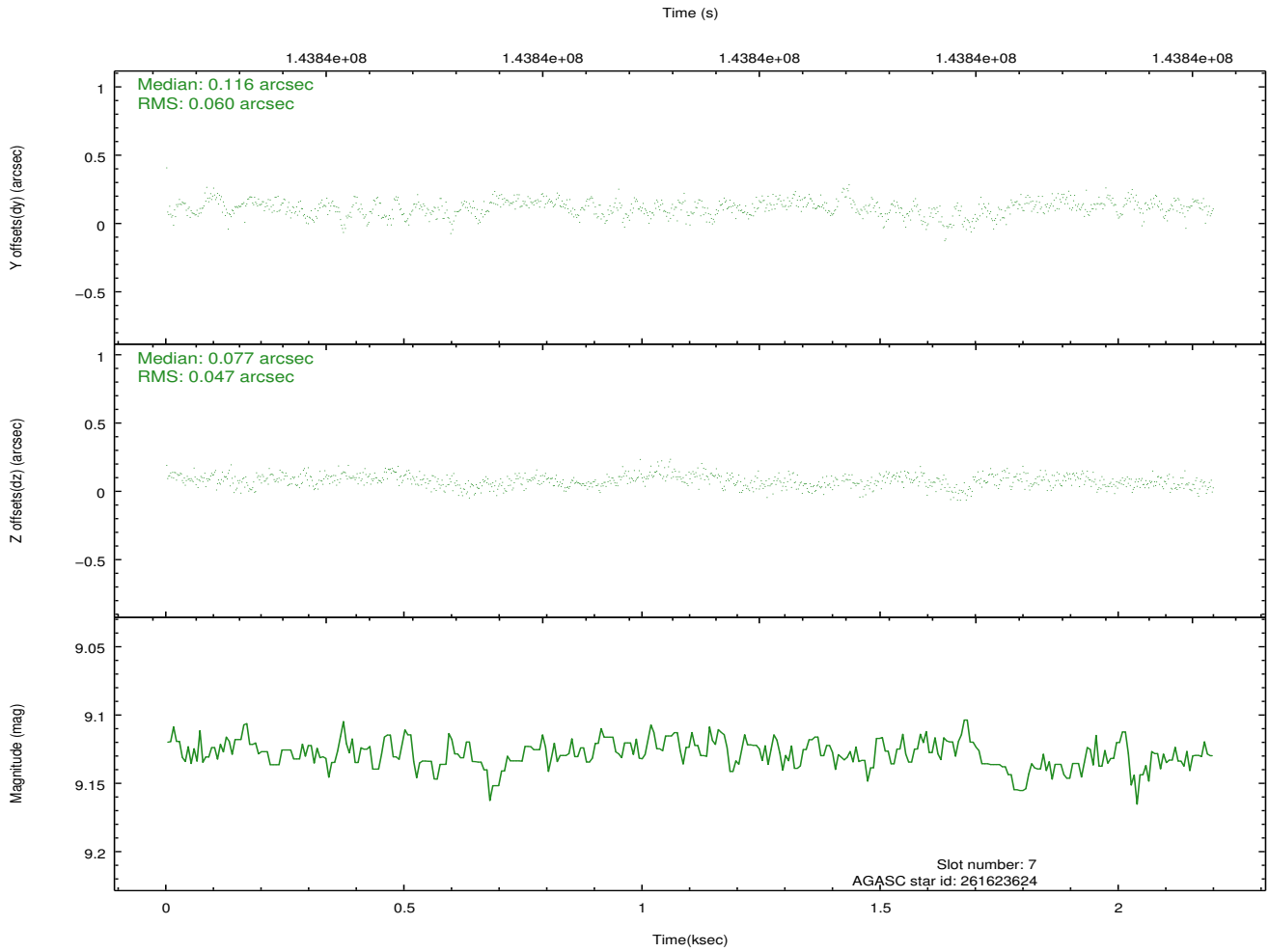
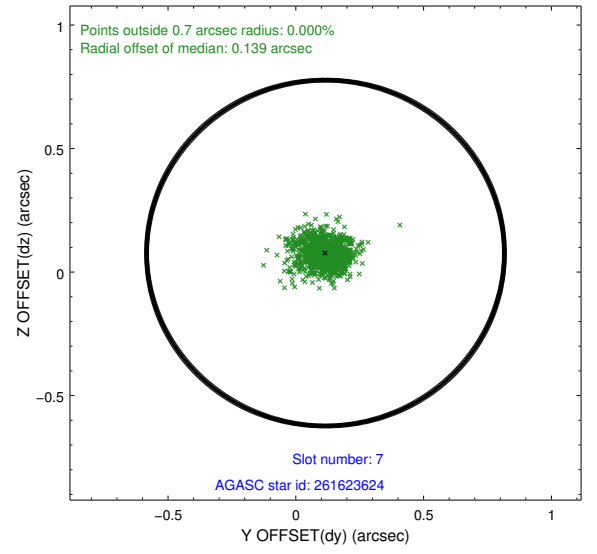
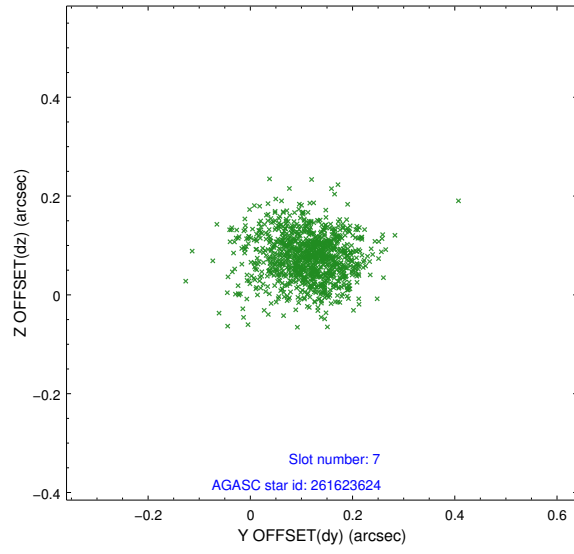
2.4.3 Slot 5



2.4.4 Slot 6

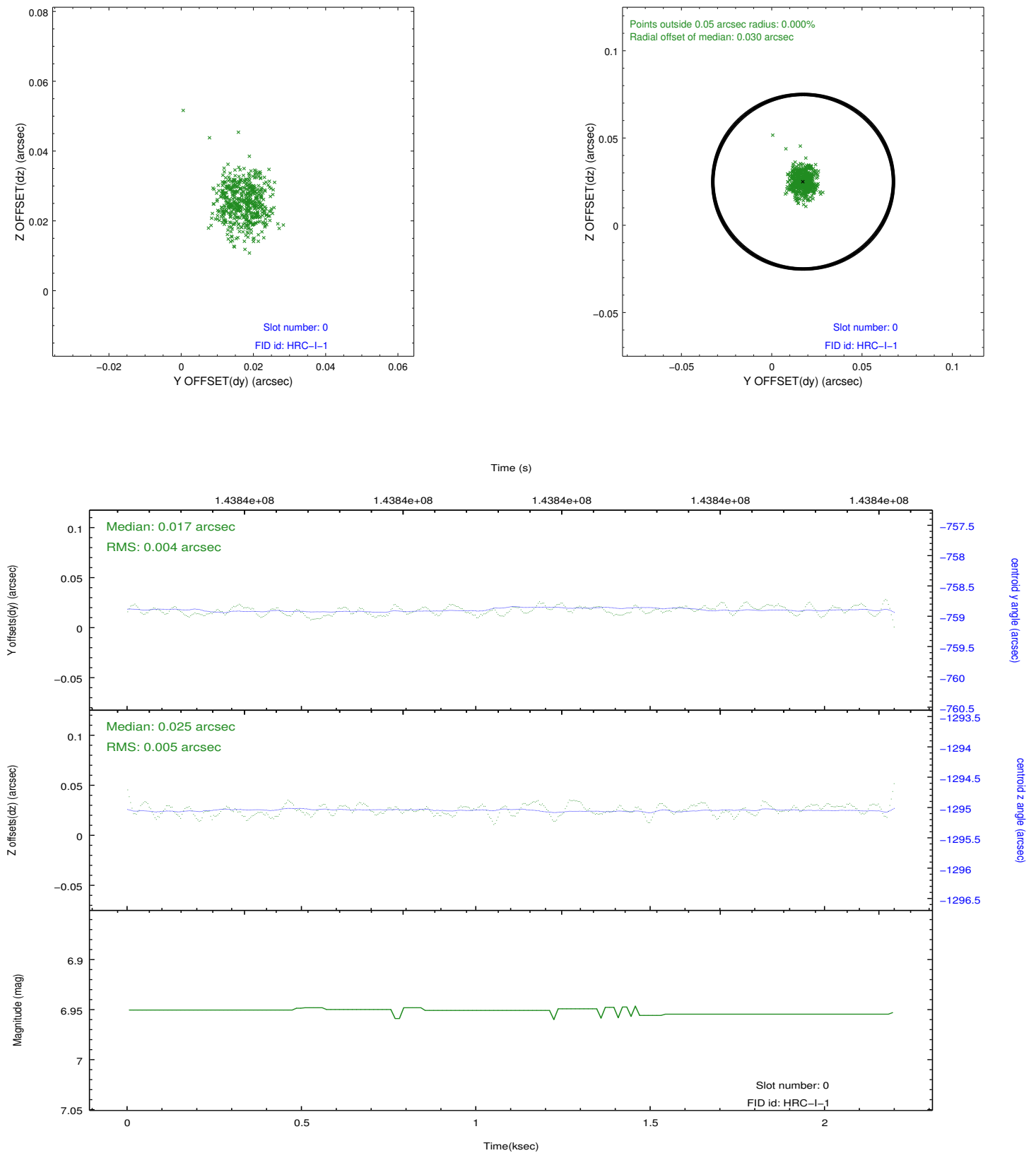


2.4.5 Slot 7

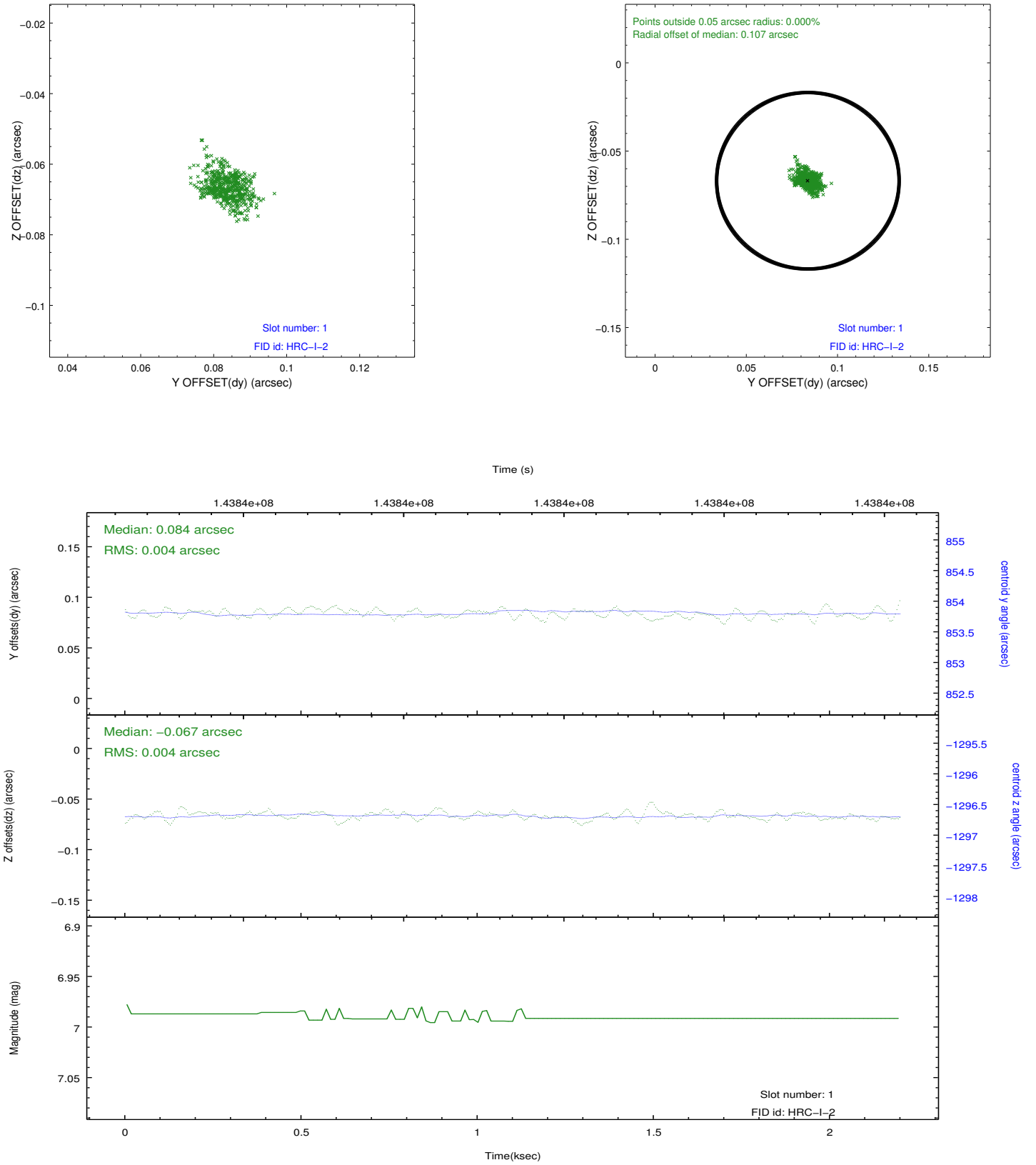


2.5 FID Slots

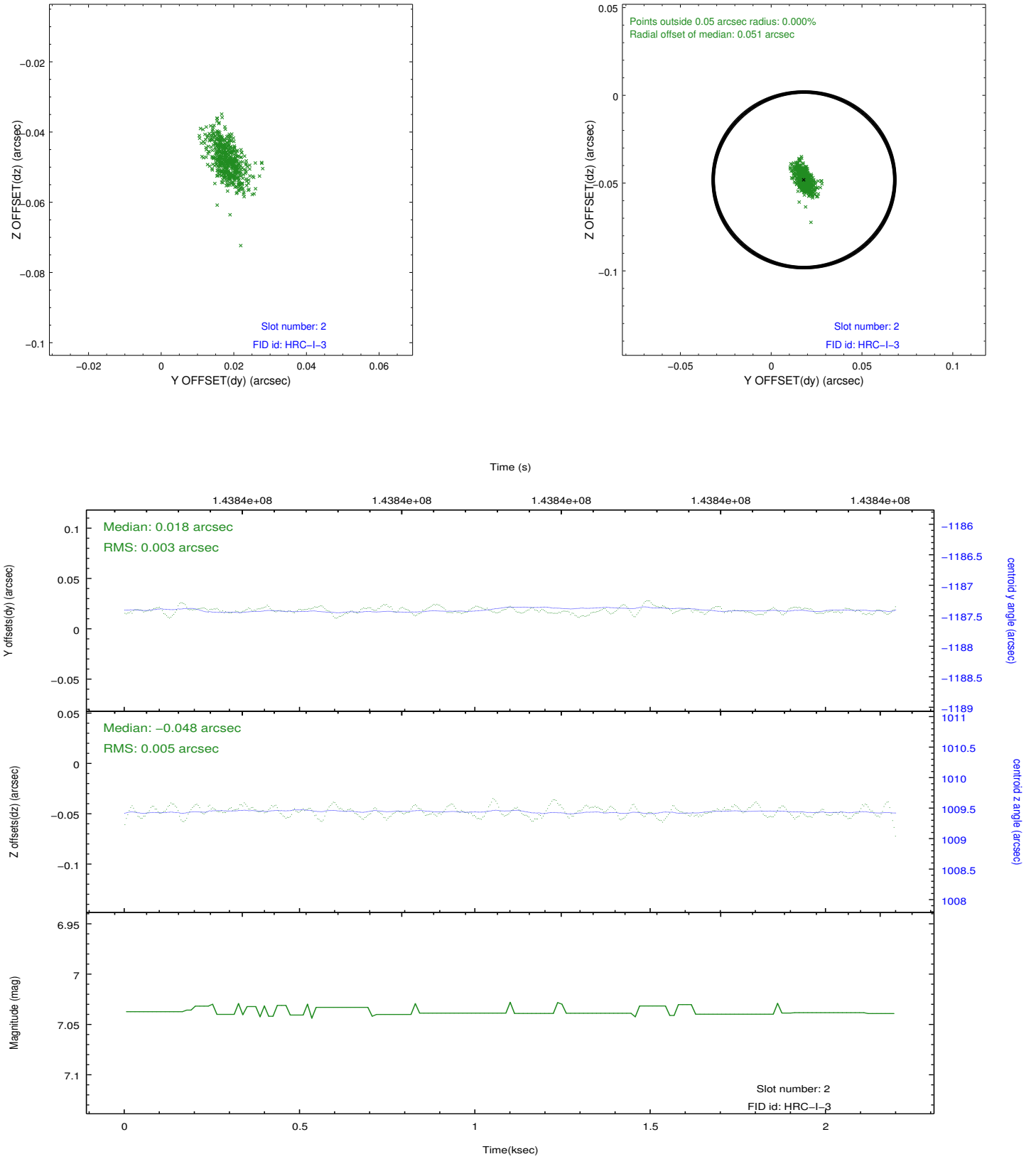
2.5.1 Slot 0



2.5.2 Slot 1

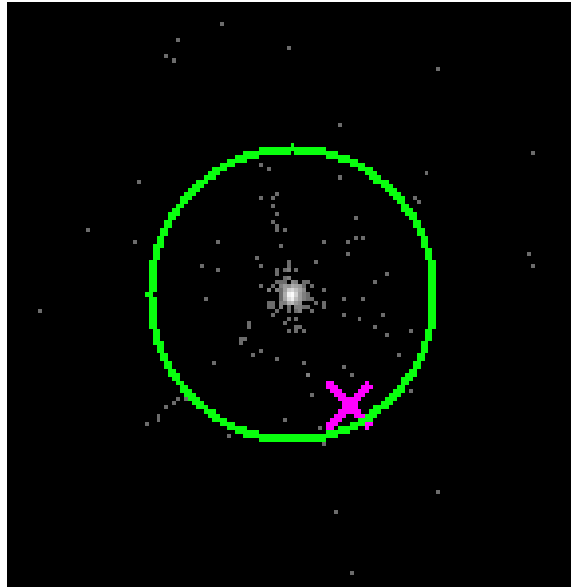


2.5.3 Slot 2

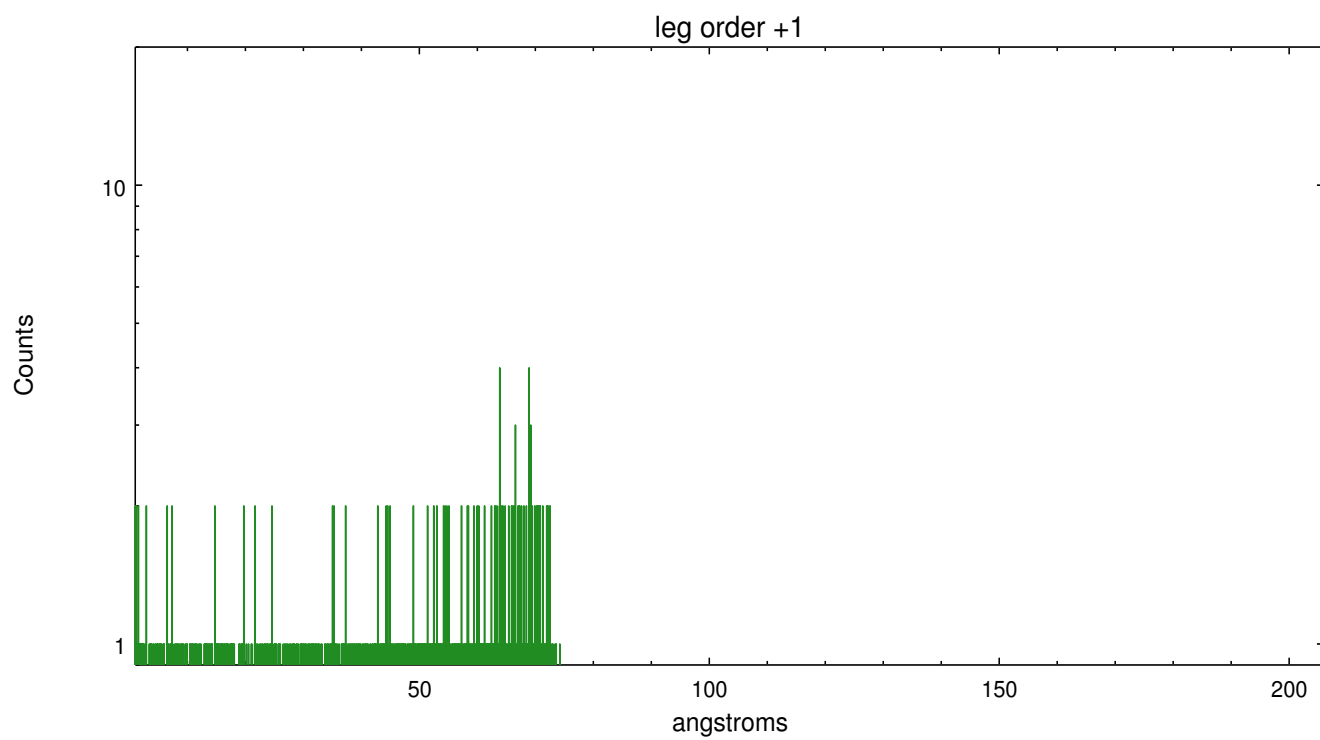
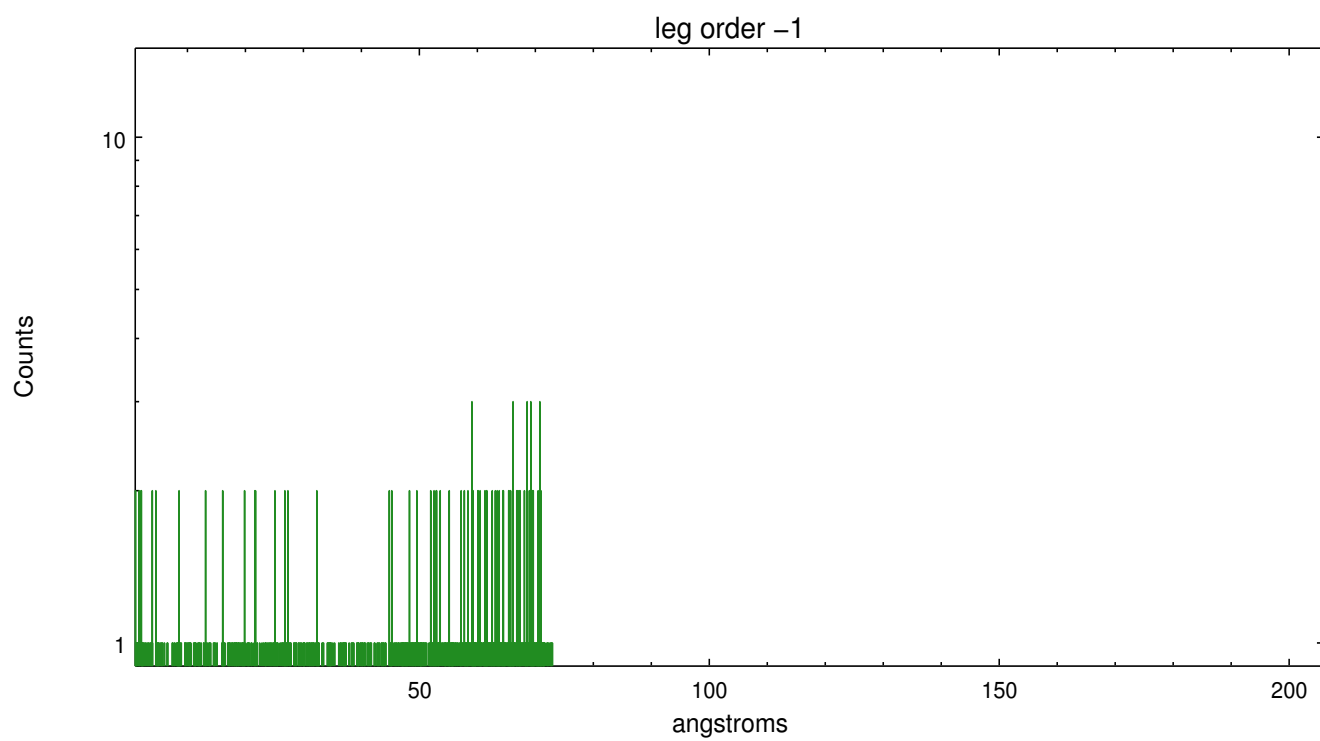


3 Gratings

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	1.893

A.2 Comments