

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14255 - L2 Version 2
Chandra X-Ray Center

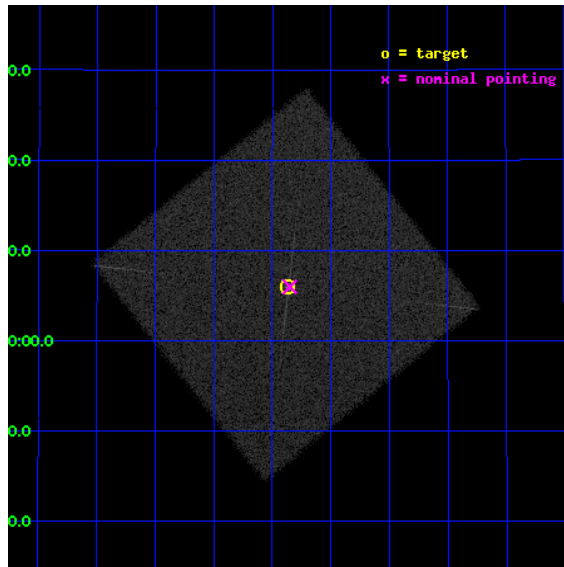
L2 Processing Date : Jul 28 2012

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1 Front

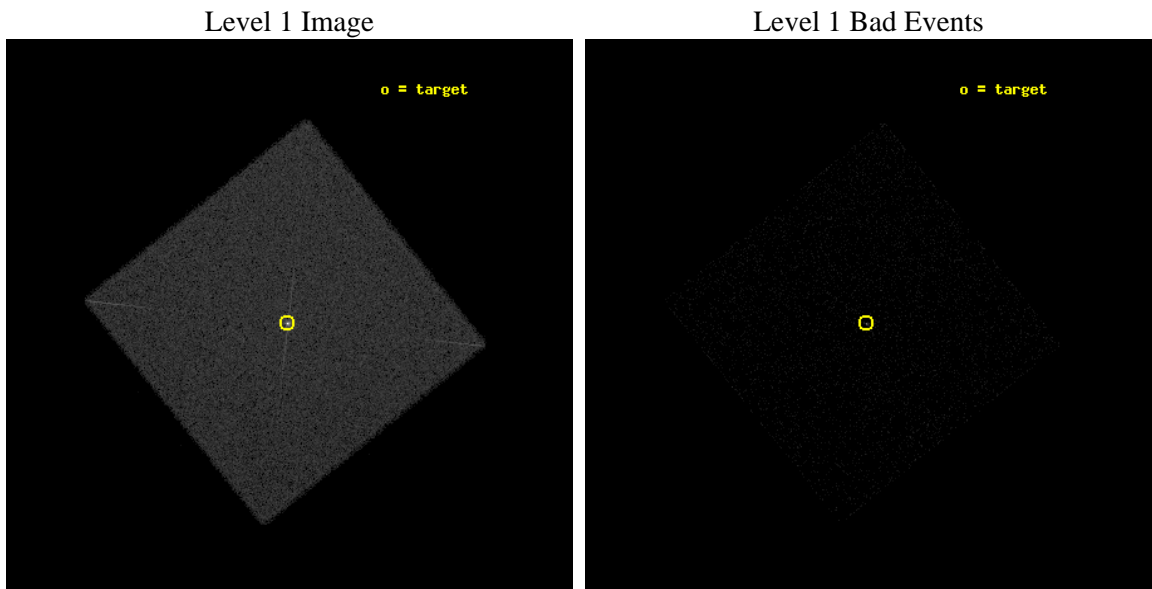
seq_num	291028	Sequence number
obs_id	14255	Observation id
title	AO-13 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08737159052	Nominal RA [deg]
dec_nom	29.099993709978	Nominal Dec [deg]
roll_nom	186.21908789212	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2176.3313655257	[s]
livedtime	2155.9183770889	Ontime multiplied by DTCOR
l2events	150854	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	2176.3313655257	[s]
caldbver	4.5.1	 	l1events	344820	Number of level 1 events
date	2012-07-28T10:33:47	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

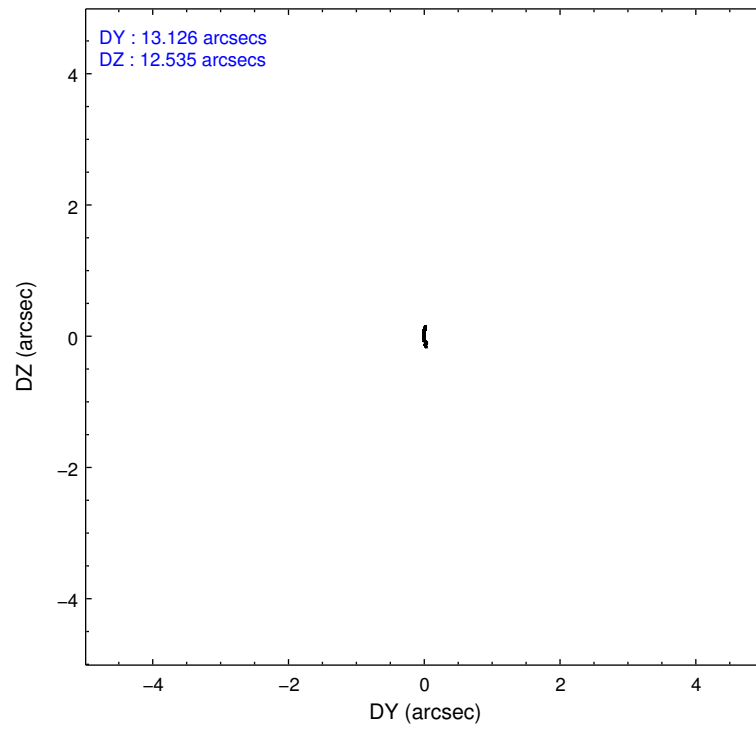
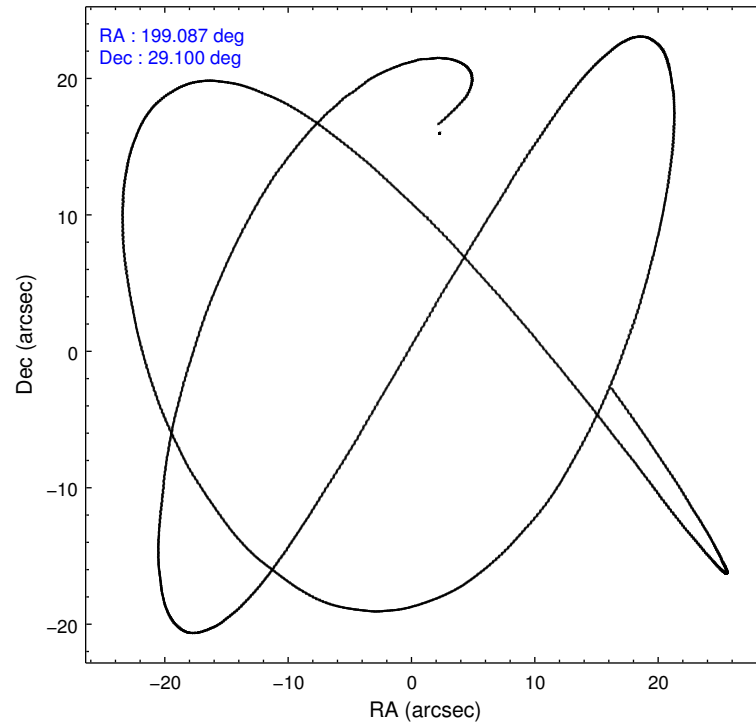
Level 1 Events

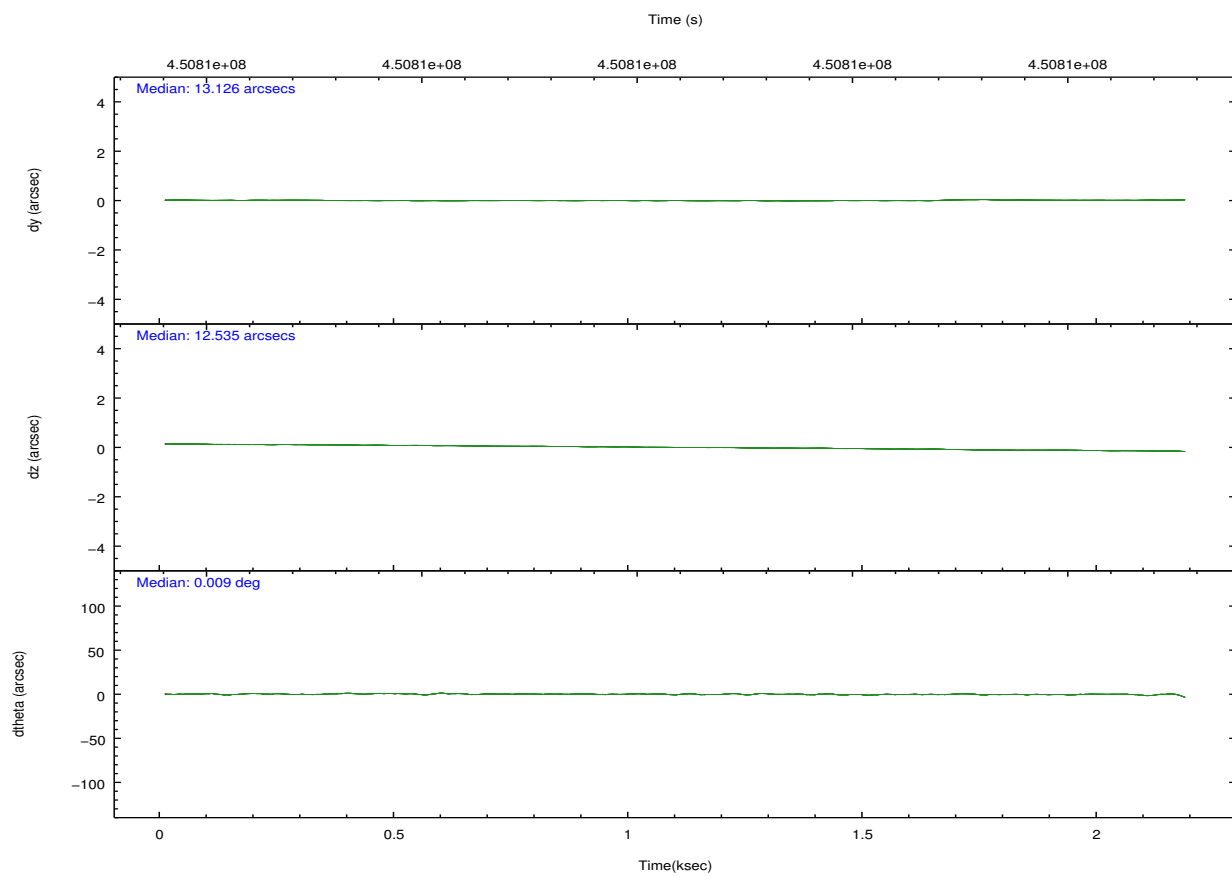
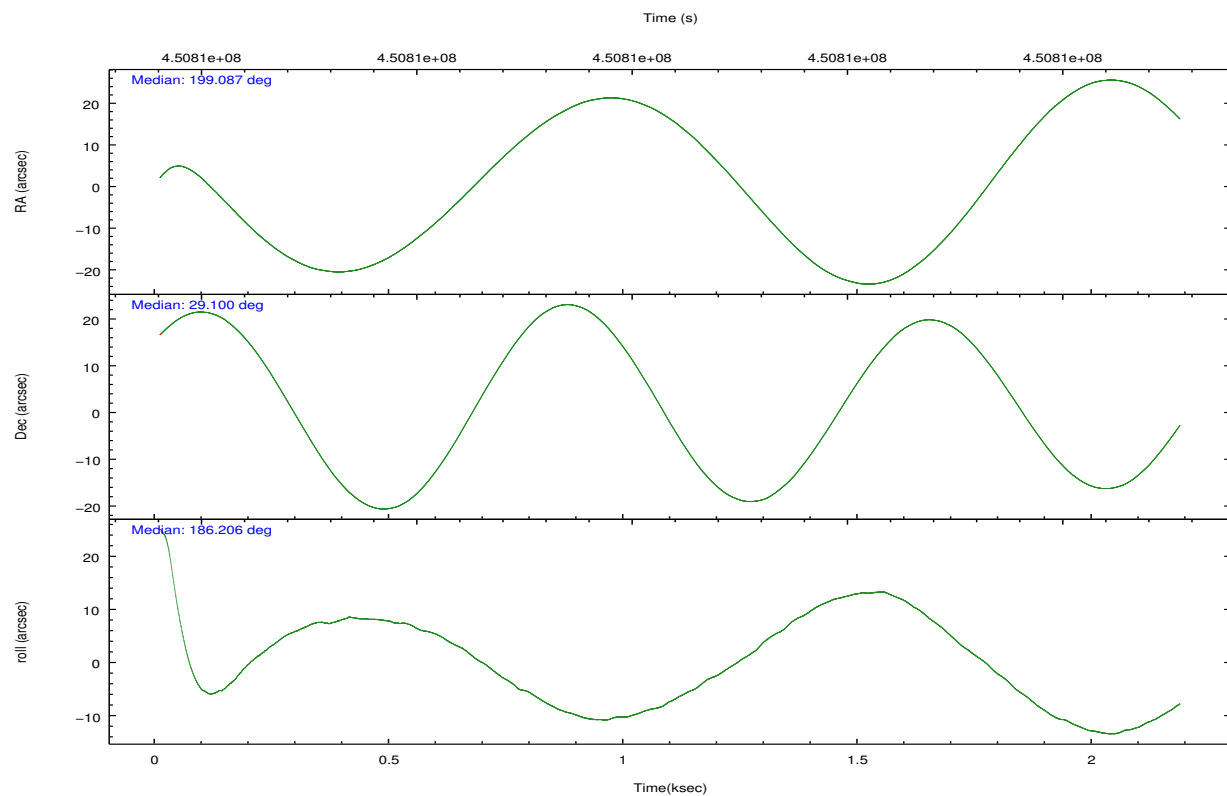
	segment 0
level 1 events	344820
rejected events	139502
rejected %	40%

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	199.112101	199.0873715905157			
[deg] Pointing Dec	29.116698	29.09999370997826			
[deg] Pointing Roll	186.302337	186.2190878921191			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	450812189.184000	450810760.97491			
Observation start date	2012-04-14T17:35:23	2012-04-14T17:12:40			
[s] Observation end time (MET)	450814189.184000	450814739.51262			
Observation end date	2012-04-14T18:08:43	2012-04-14T18:18:59			

2.3 Aspect



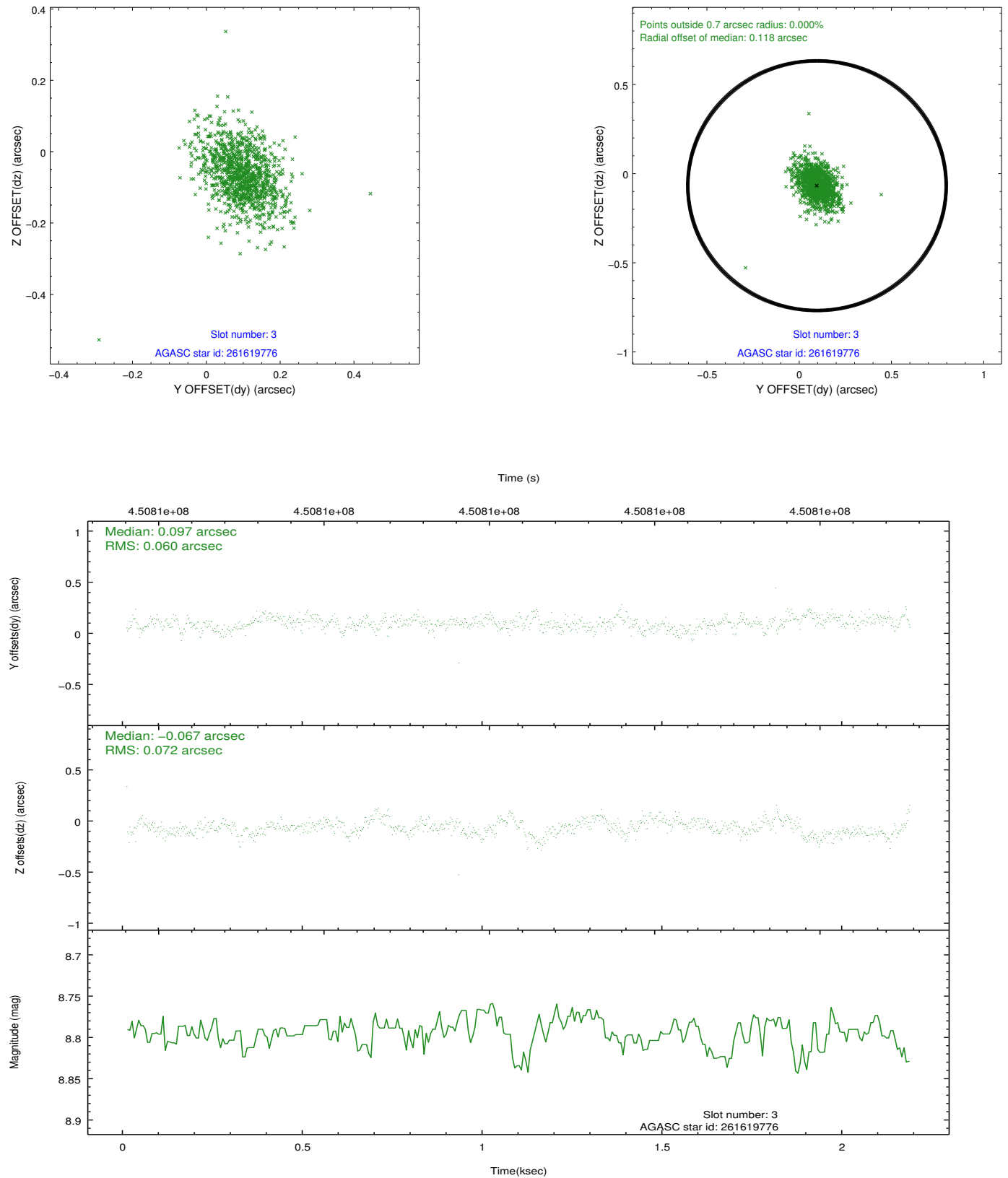


Slot Statistics

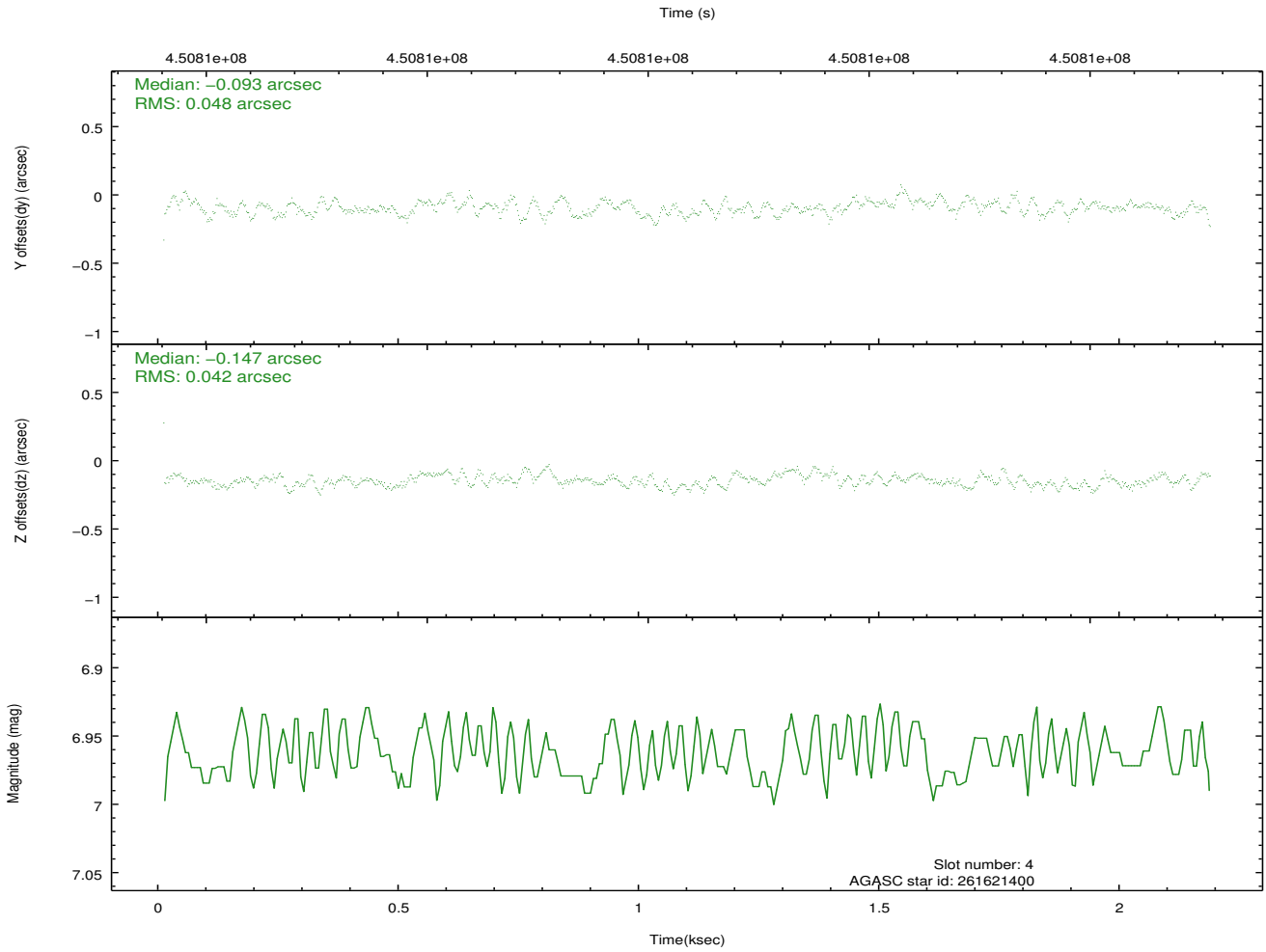
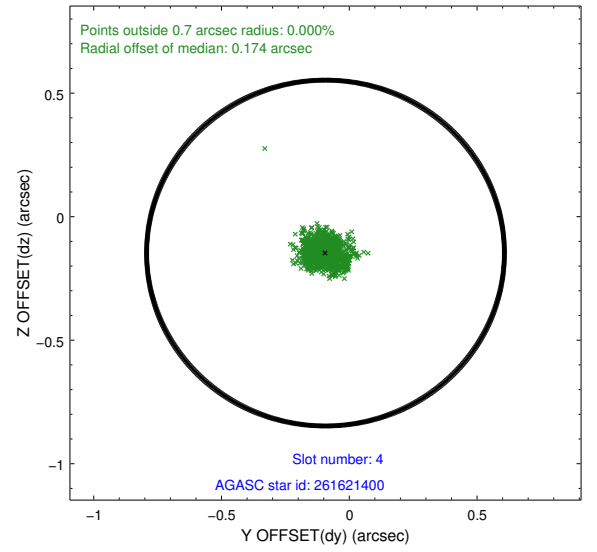
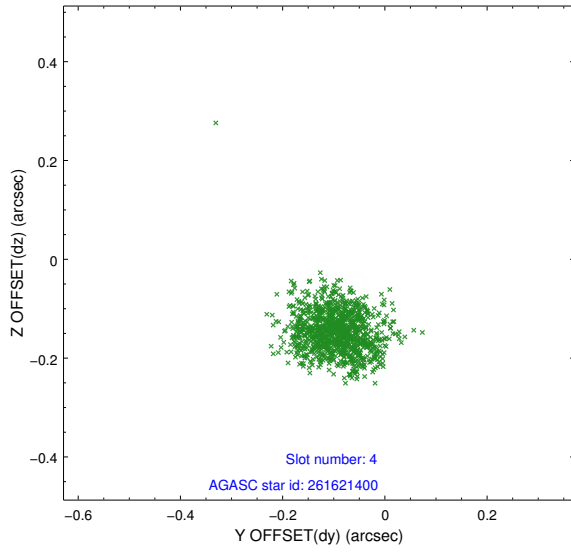
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	532	-0.070	0.039	0.008	0.013	0.000000	0.000000	-768.97	-1300.49
1	FID	HRC-I-2	6.99	532	0.256	-0.165	0.007	0.012	0.000000	0.000000	842.54	-1304.73
2	FID	HRC-I-3	7.04	532	-0.066	0.036	0.005	0.011	0.000000	0.000000	-1195.84	1001.62
3	GUIDE	261619776	8.79	1063	0.097	-0.067	0.094	0.165	198.654383	29.401174	1314.06	-1177.72
4	GUIDE	261621400	6.96	1063	-0.093	-0.147	0.067	0.105	198.901600	28.741982	809.86	1265.90
5	GUIDE	261624456	7.32	1063	-0.077	-0.034	0.085	0.132	199.758056	28.567828	-1812.71	2181.80
6	GUIDE	261629720	8.10	1063	0.247	-0.079	0.075	0.118	199.236176	29.044452	-361.00	302.87
7	GUIDE	261623040	9.12	1062	-0.178	0.322	0.110	0.185	198.792686	29.757643	738.96	-2403.84

2.4 Star Slots

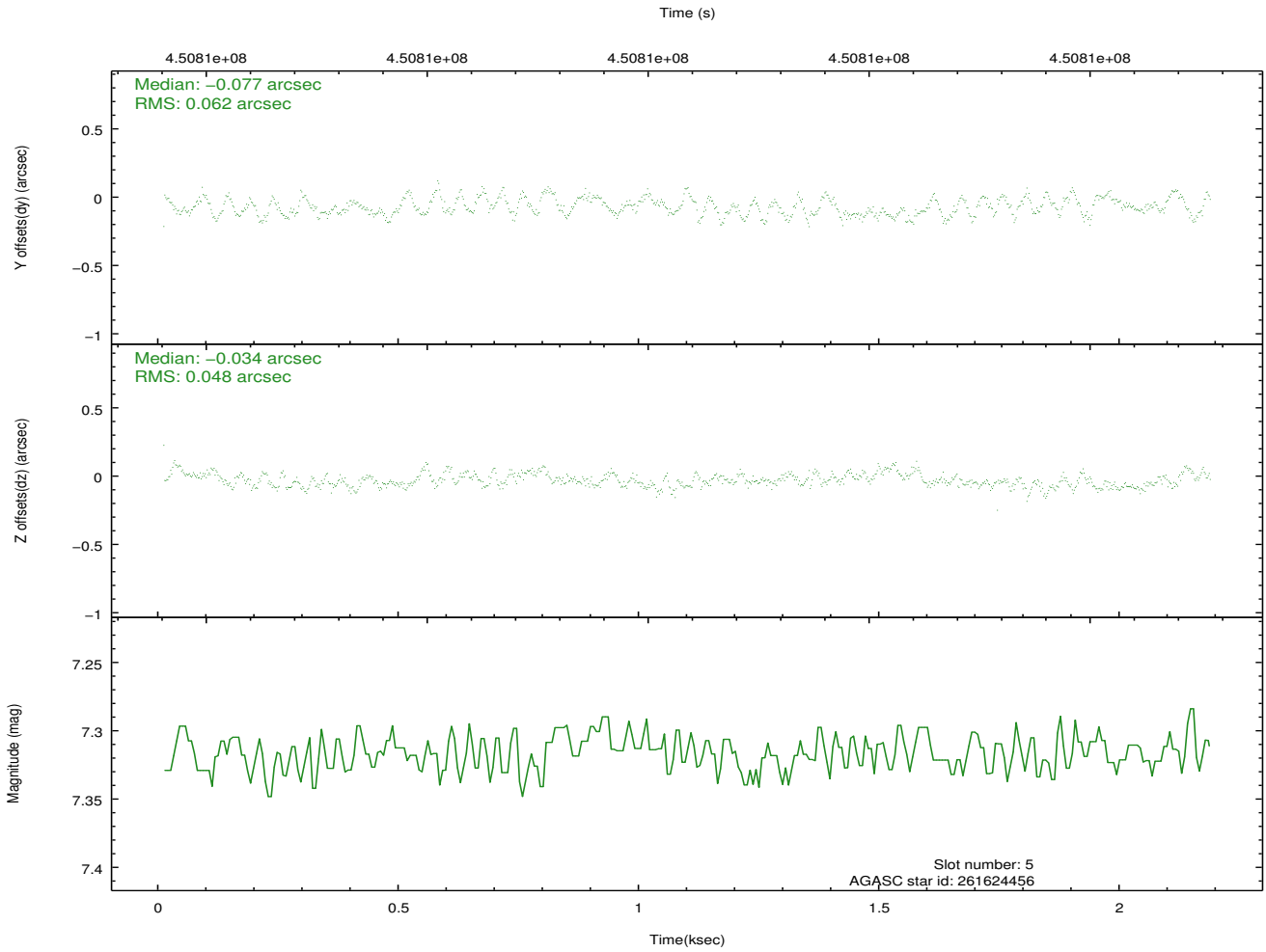
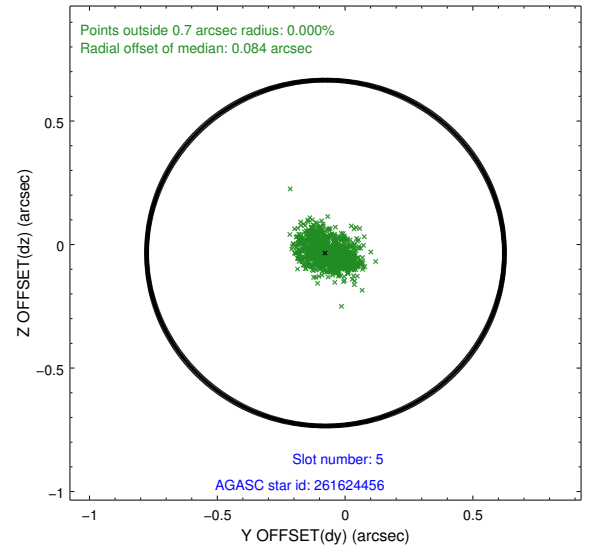
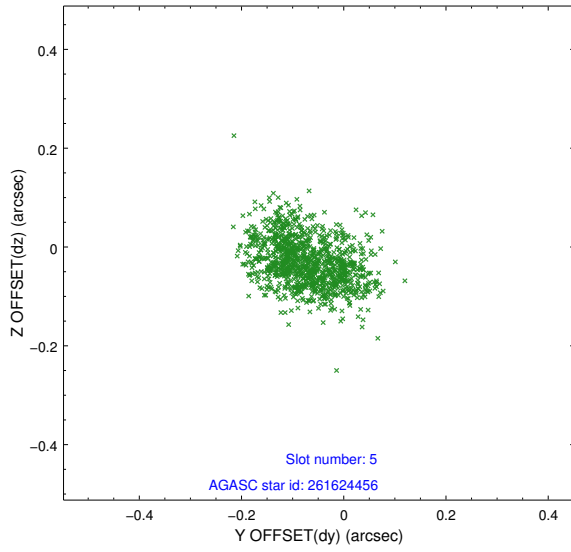
2.4.1 Slot 3



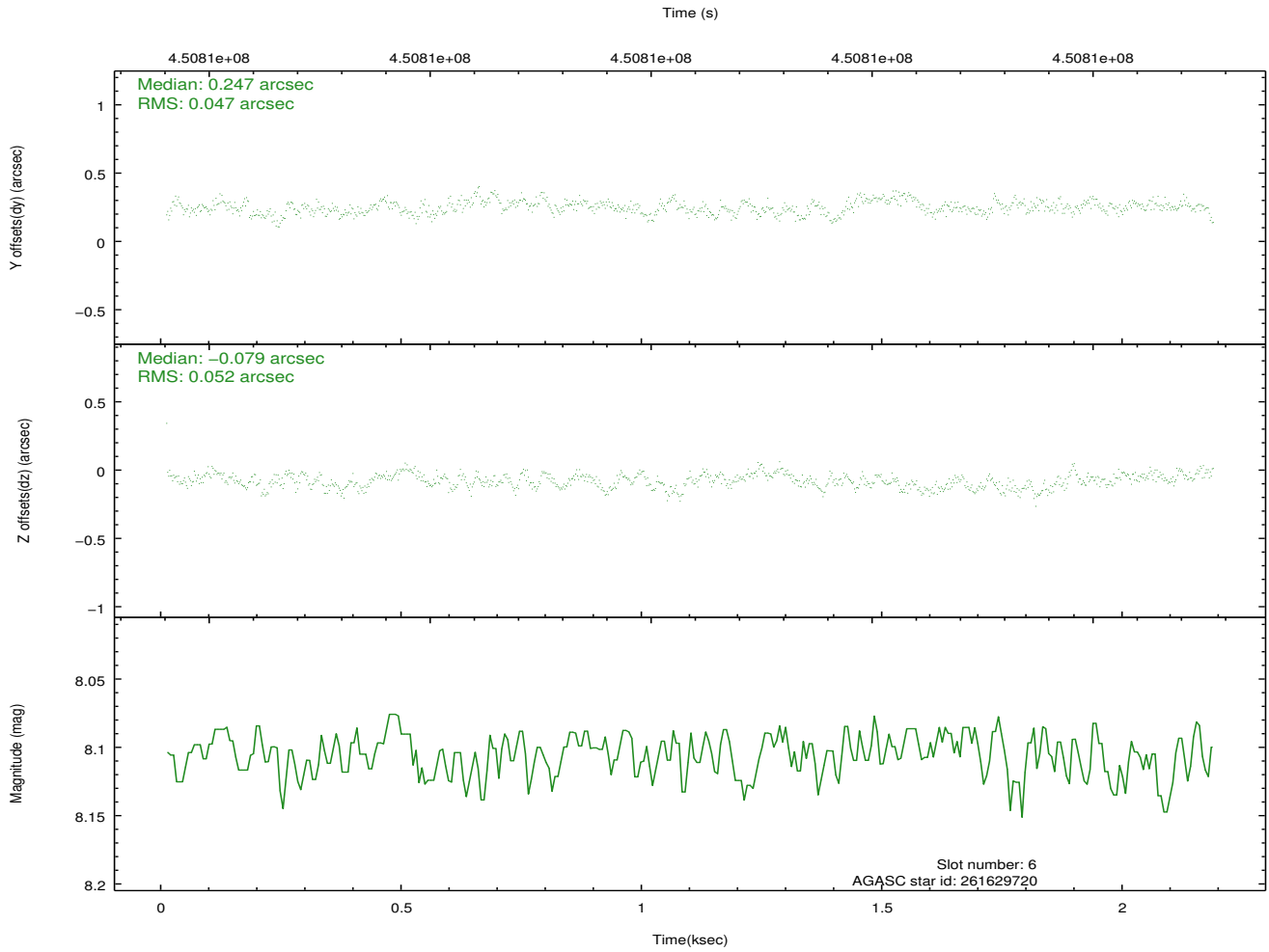
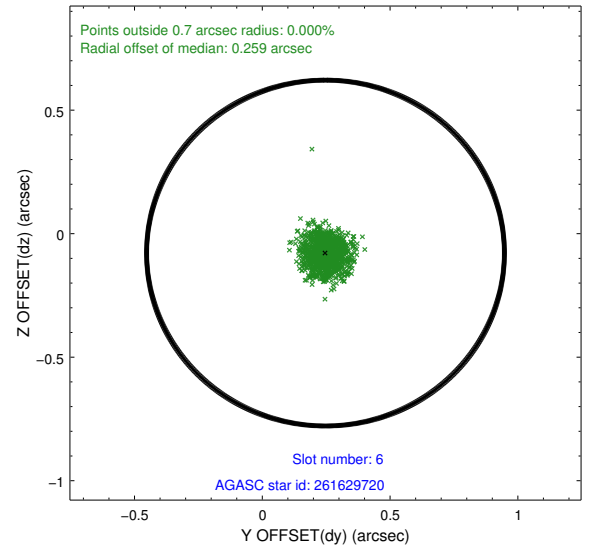
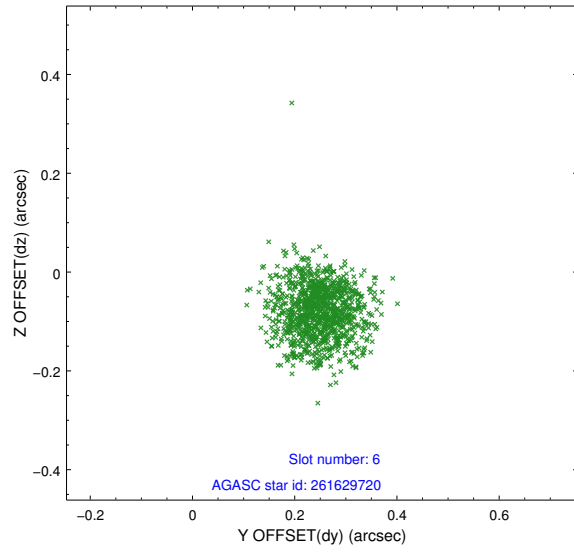
2.4.2 Slot 4



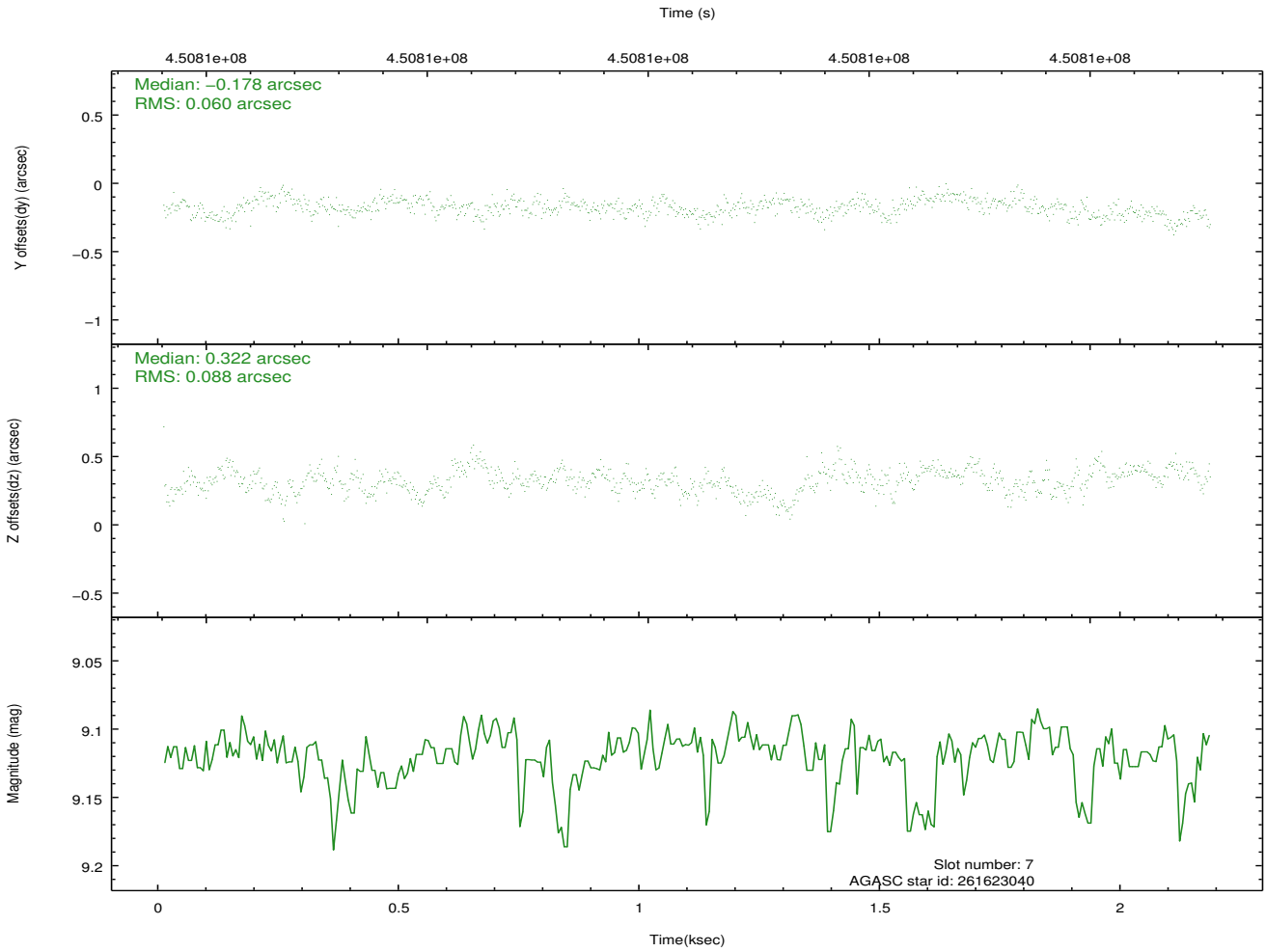
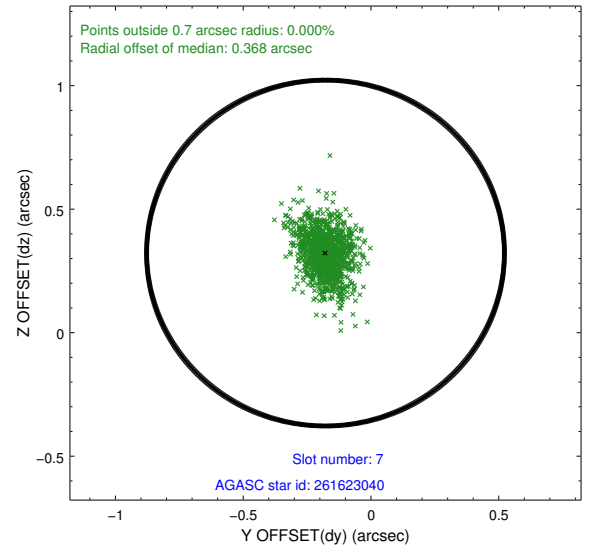
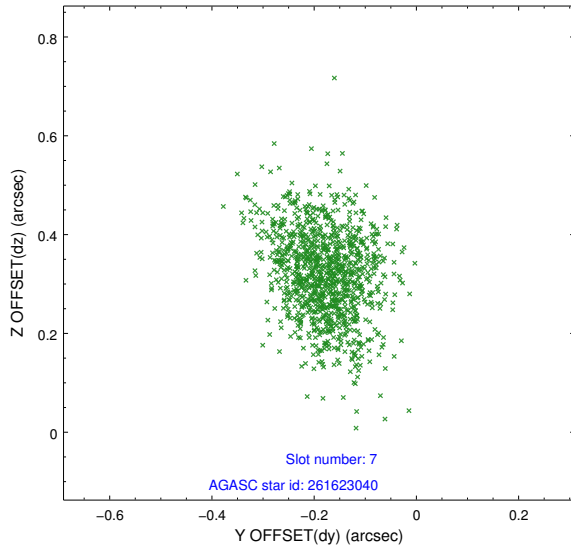
2.4.3 Slot 5



2.4.4 Slot 6

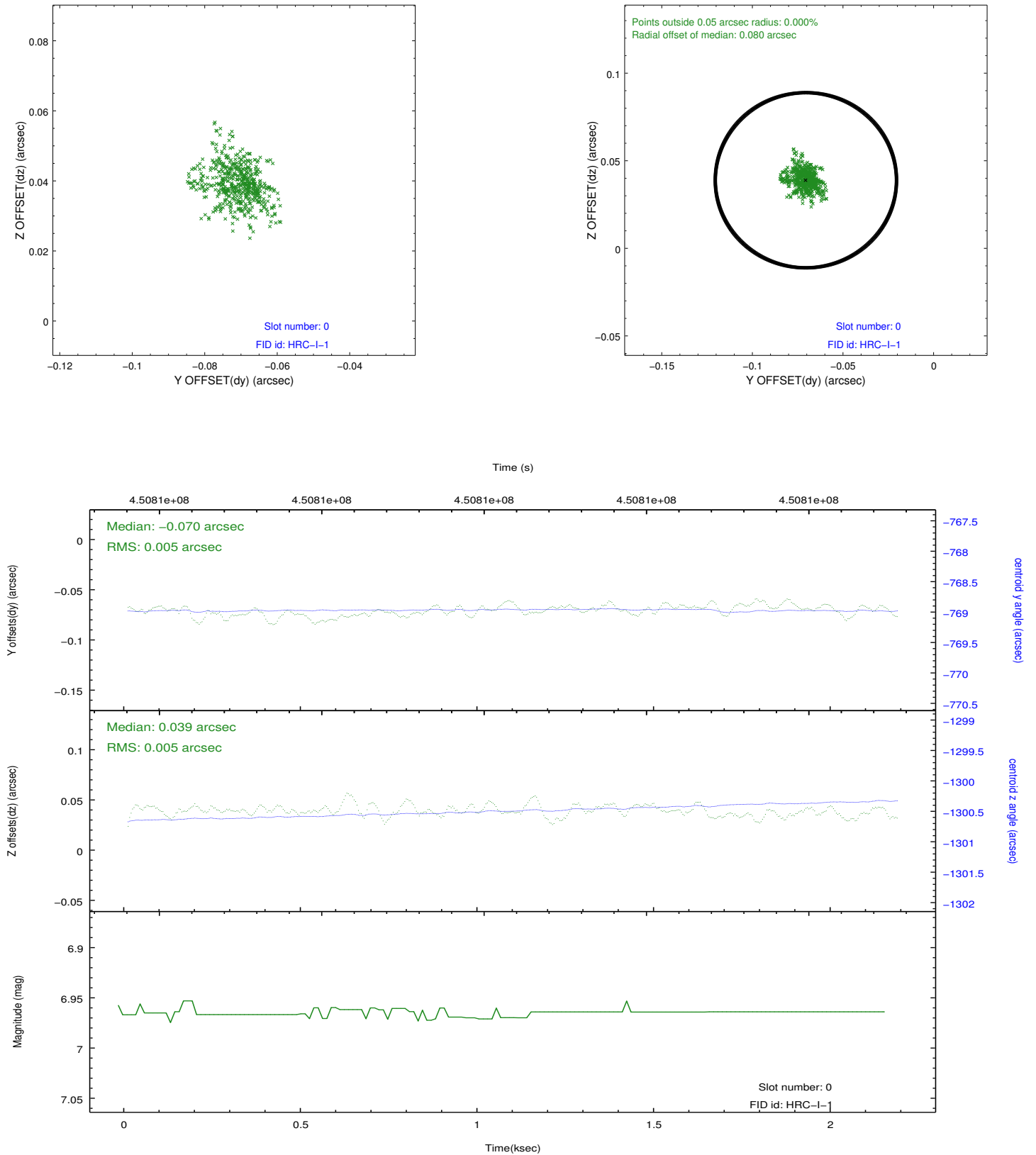


2.4.5 Slot 7

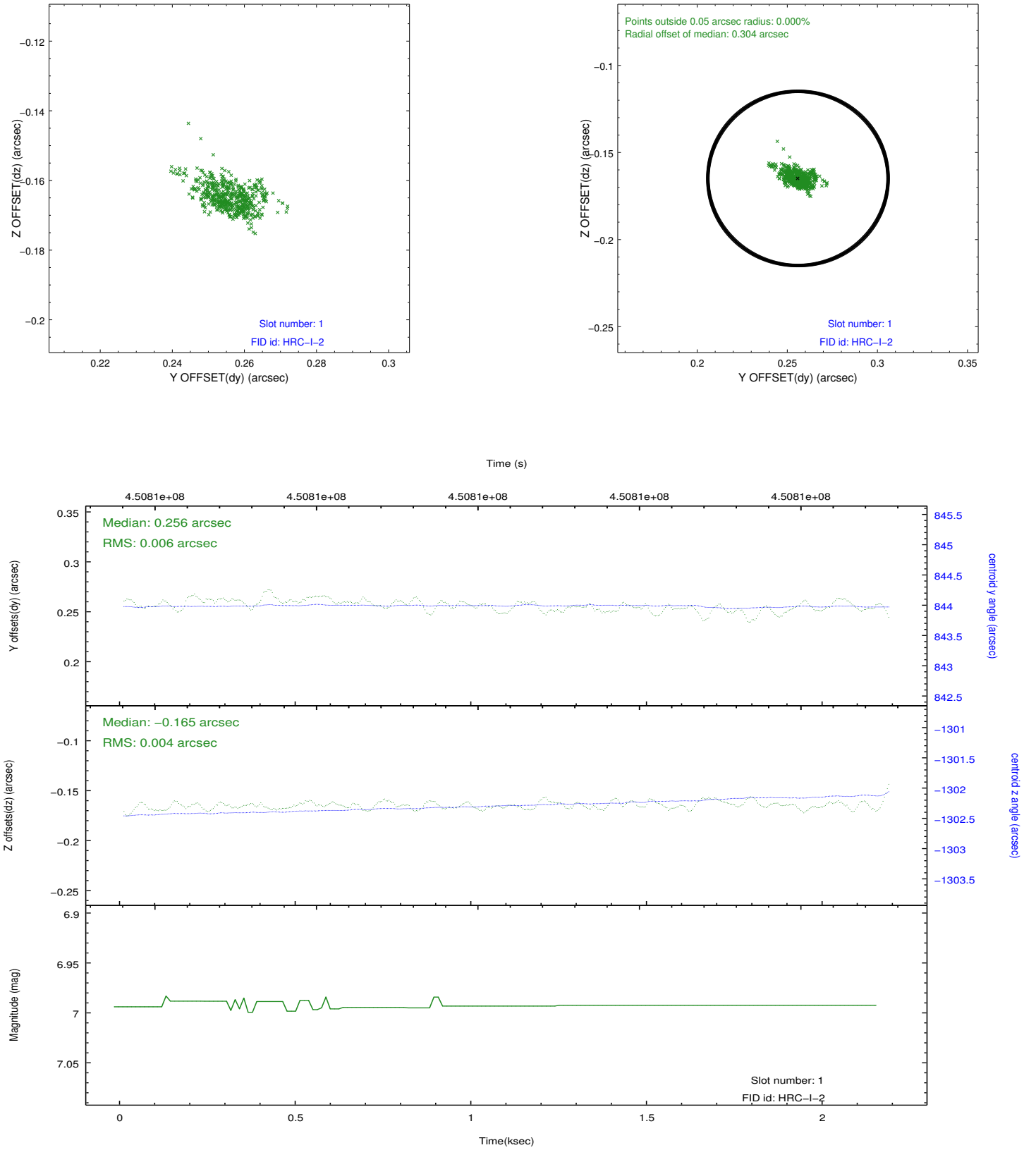


2.5 FID Slots

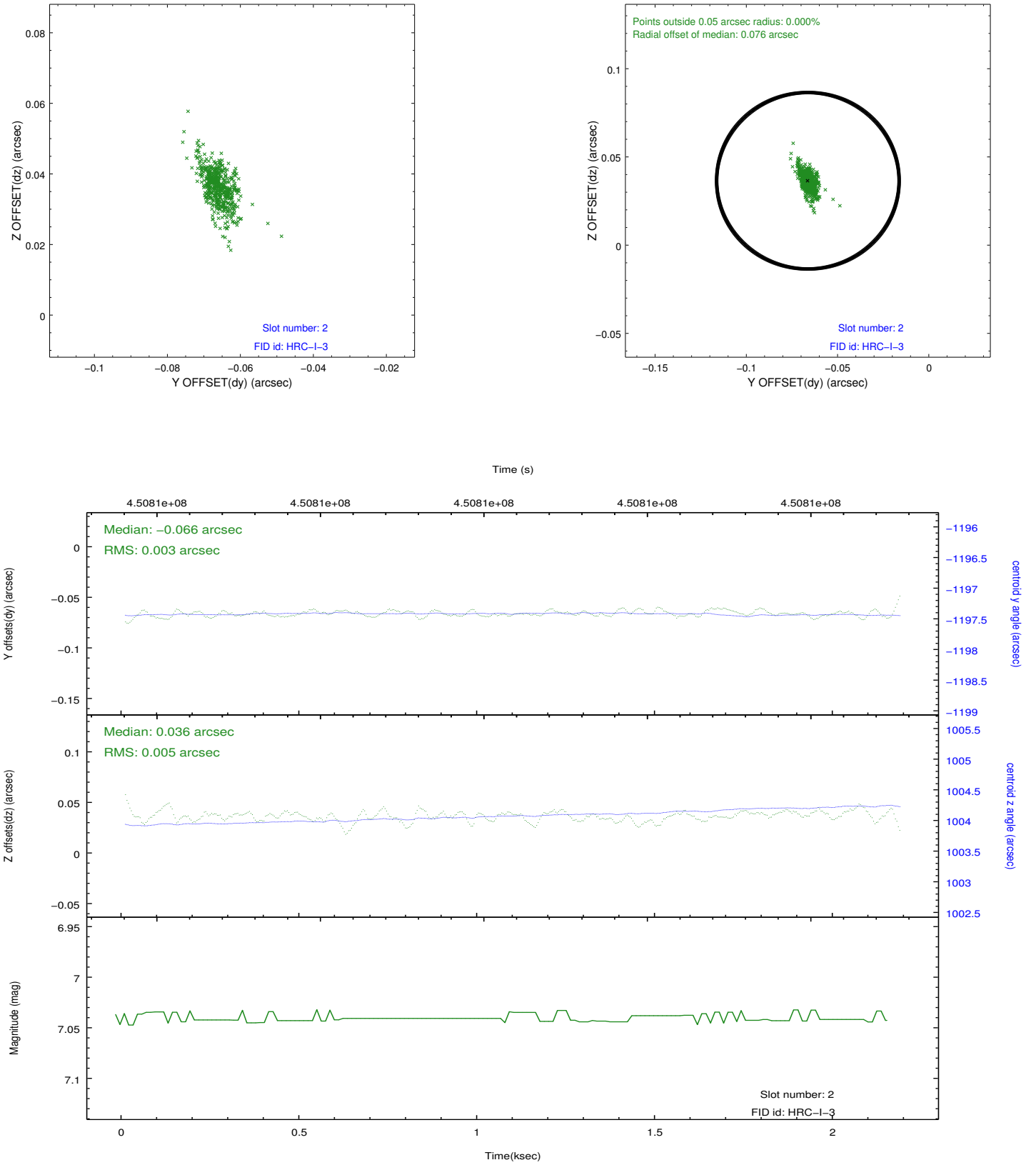
2.5.1 Slot 0



2.5.2 Slot 1

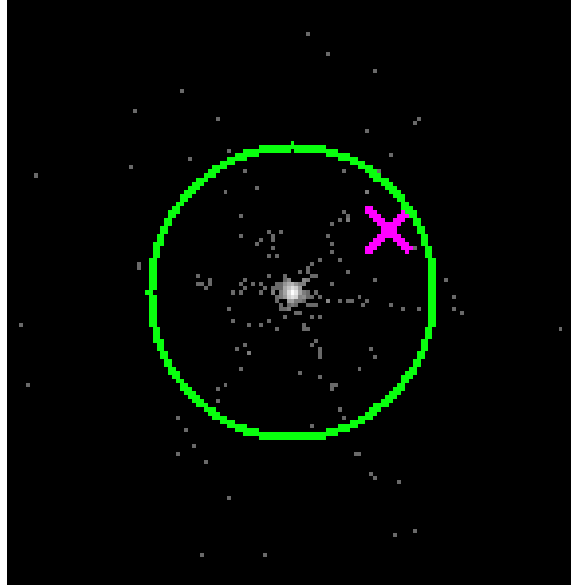


2.5.3 Slot 2

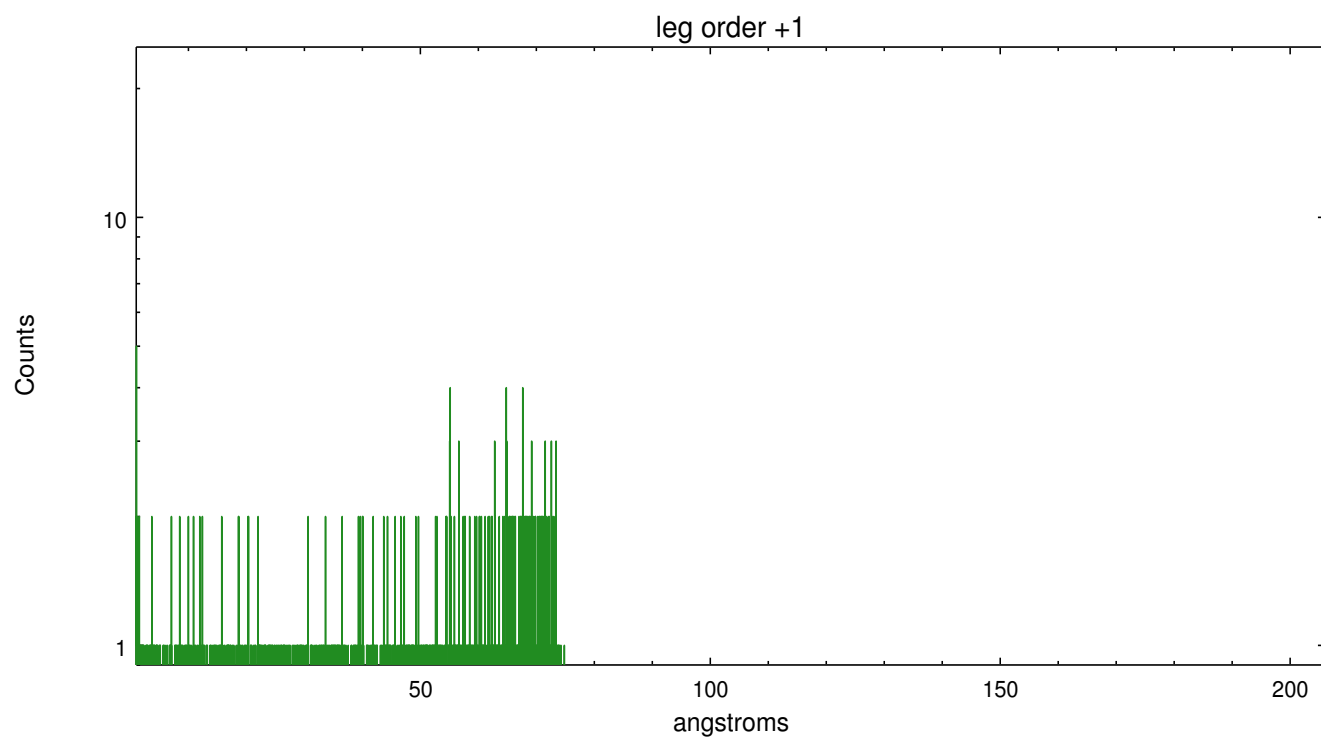
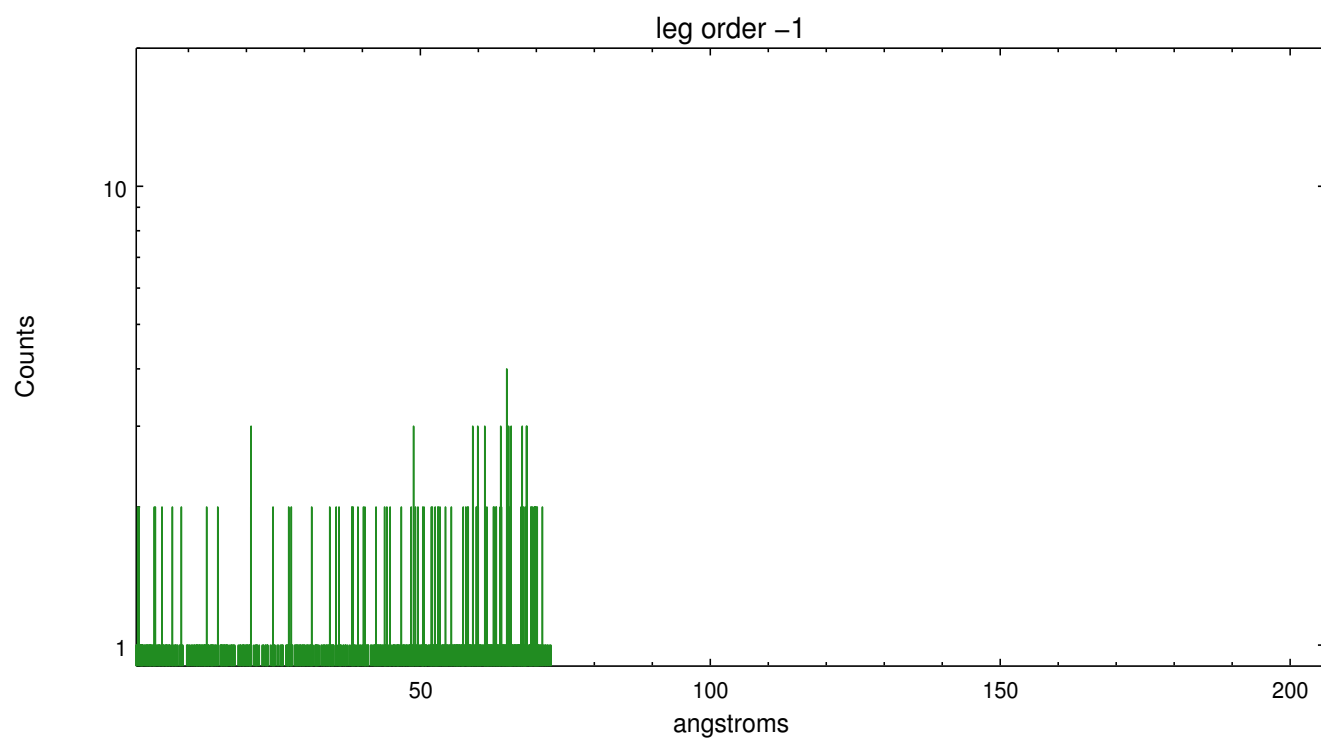


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1763313655257

A.2 Comments

Warning: non-standard grating/detector combination. Standard processing programs may not work, calibrations may not exist.