

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5043 - L2 Version 4
Chandra X-Ray Center

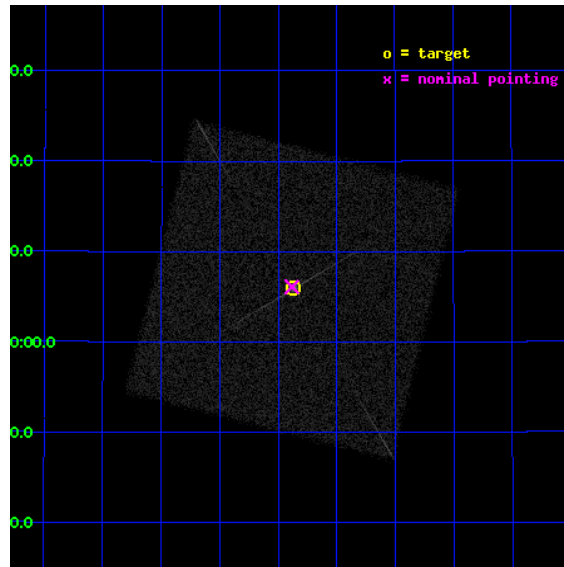
L2 Processing Date : Nov 9 2012

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1 Front

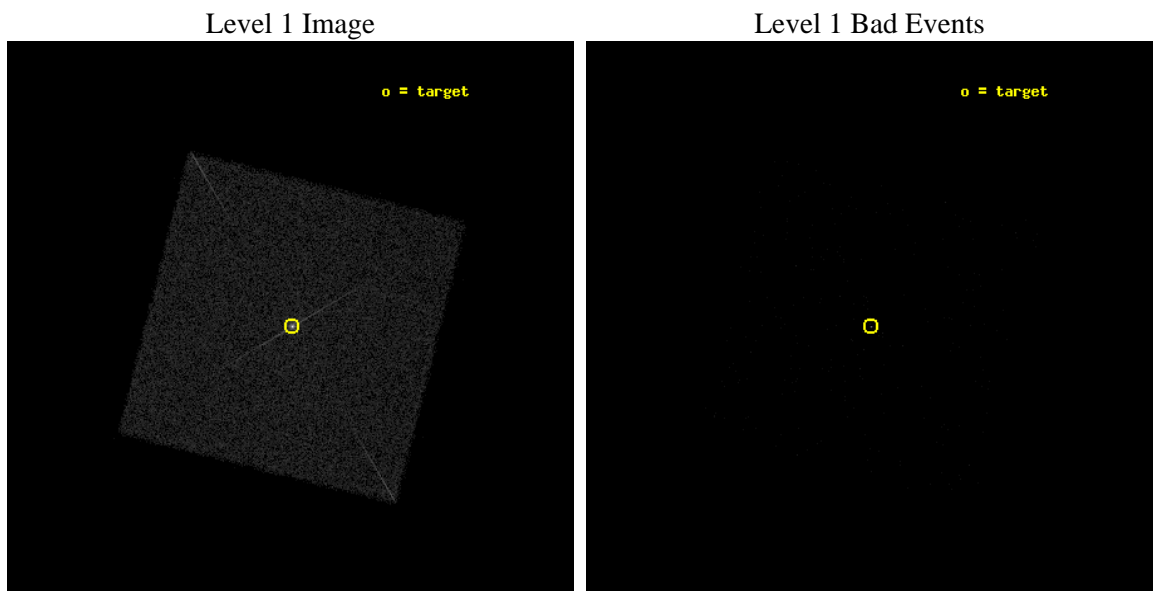
seq_num	290316	Sequence number
obs_id	5043	Observation id
title	AO5 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.09577932934	Nominal RA [deg]
dec_nom	29.101571917102	Nominal Dec [deg]
roll_nom	59.193104736829	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1981.5813361704	[s]
livetime	1970.4840090398	Ontime multiplied by DTCOR
l2events	65763	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	1981.5813361704	[s]
caldbver	4.5.2	 	l1events	97573	Number of level 1 events
date	2012-11-09T07:35:10	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

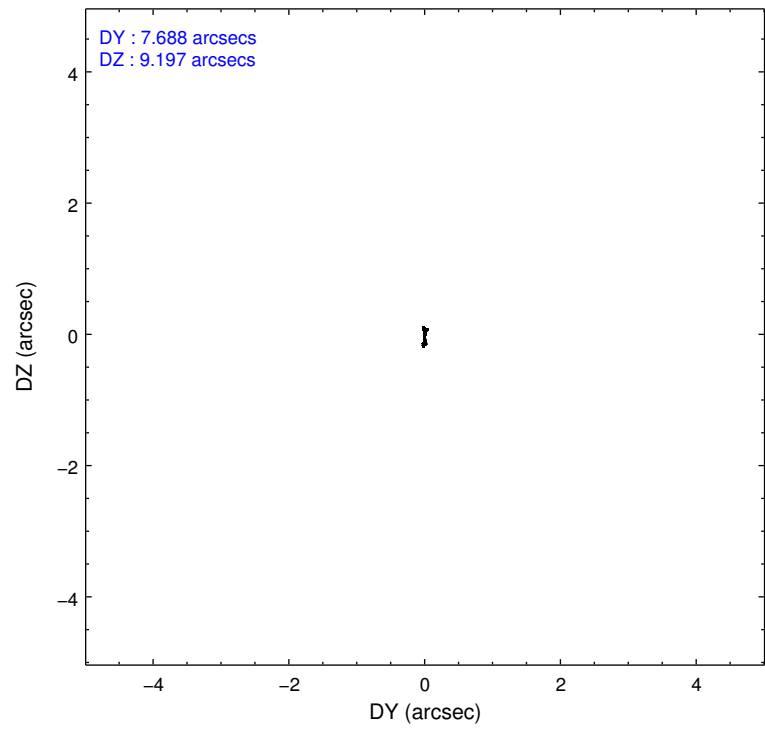
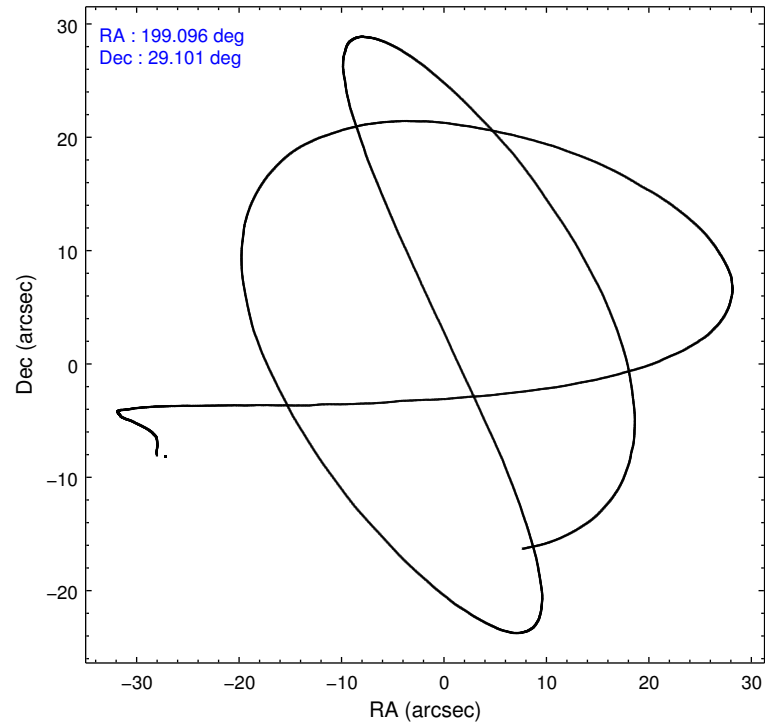
Level 1 Events

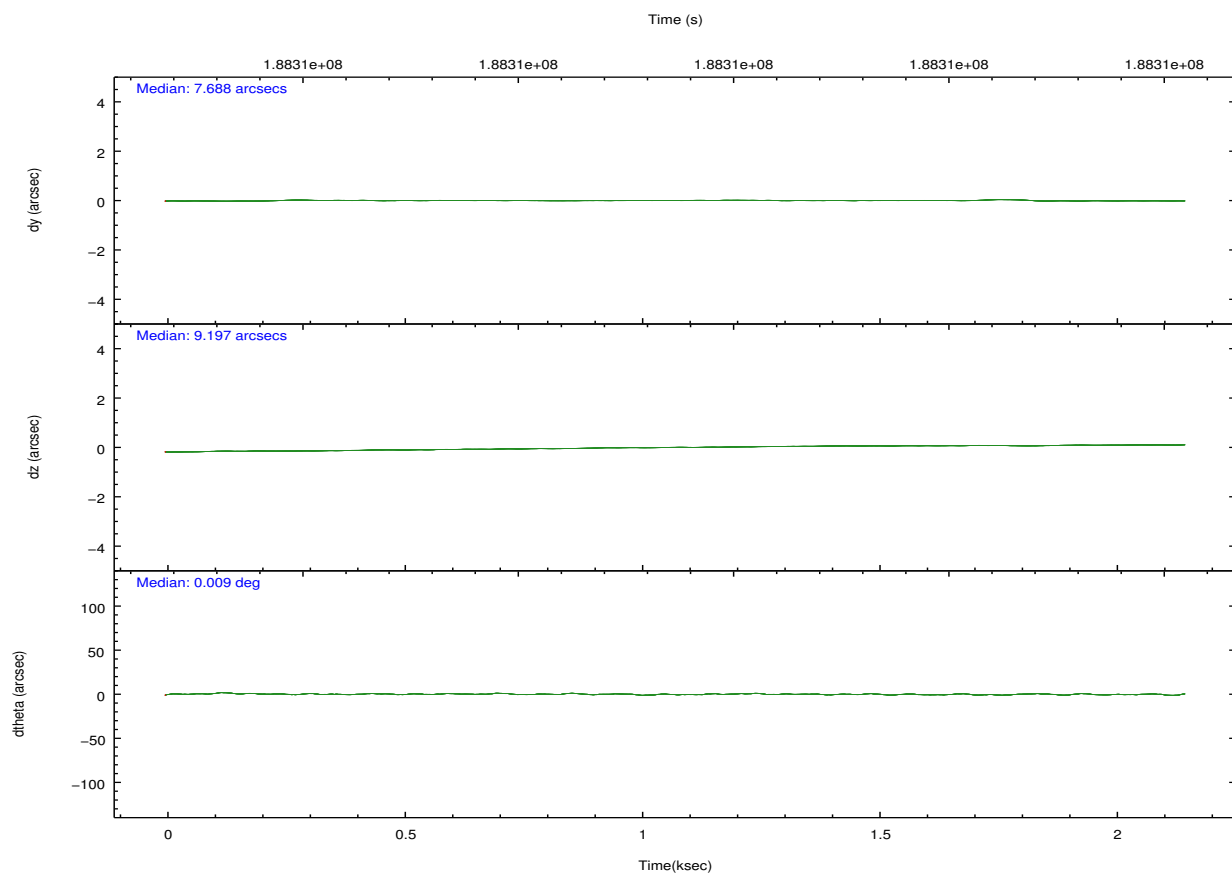
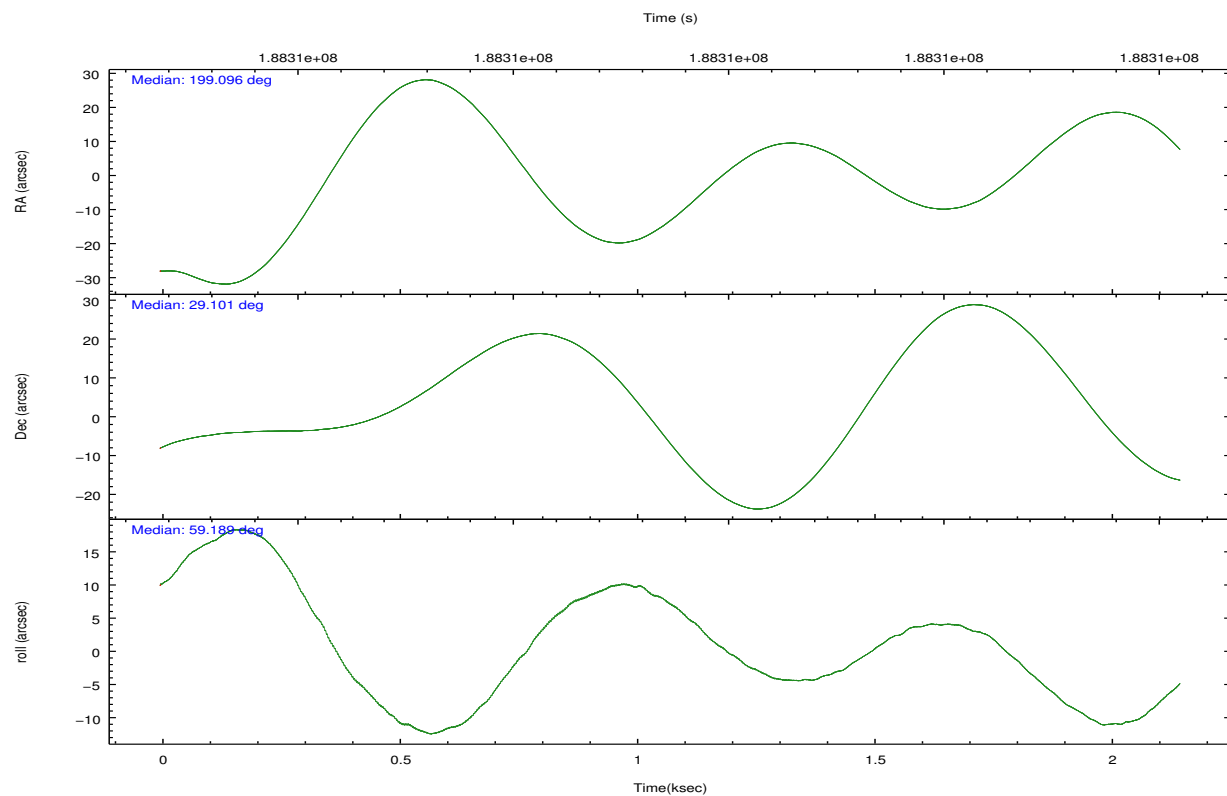
	segment 0
level 1 events	97573
rejected events	5086
rejected %	5%

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	199.096200	199.0957793293427			
[deg] Pointing Dec	29.074375	29.10157191710204			
[deg] Pointing Roll	59.288415	59.19310473682938			
[s] Window start time (MET)	186624064.184000	186624064.184000			
[s] Window stop time (MET)	191894464.184000	191894464.184000			
[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)	188309936.184000	188309102.87977			
Observation start date	2003-12-20T12:17:52	2003-12-20T12:05:02			
[s] Observation end time (MET)	188311936.184000	188312793.39243			
Observation end date	2003-12-20T12:51:12	2003-12-20T13:06:33			

2.3 Aspect



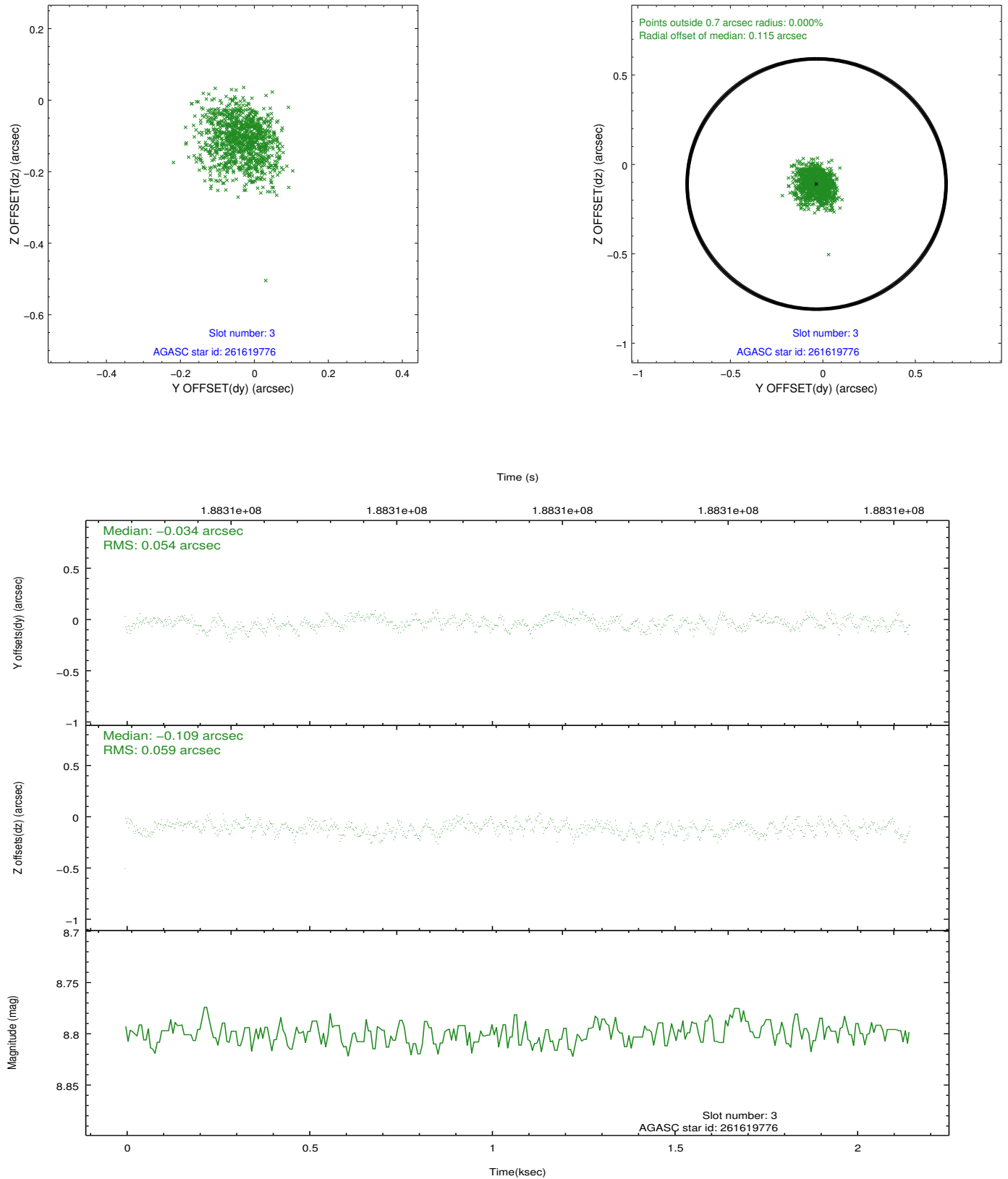


Slot Statistics

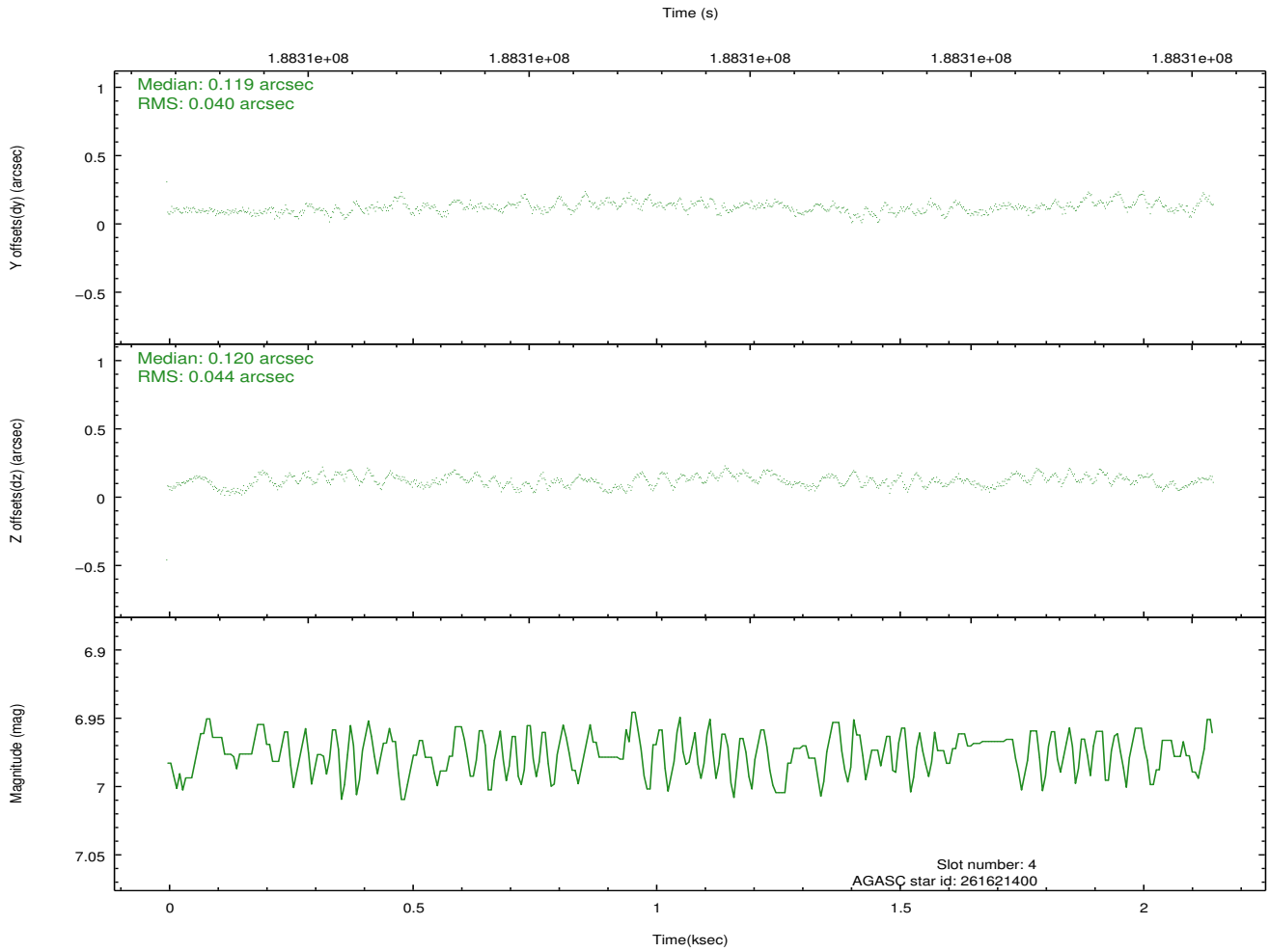
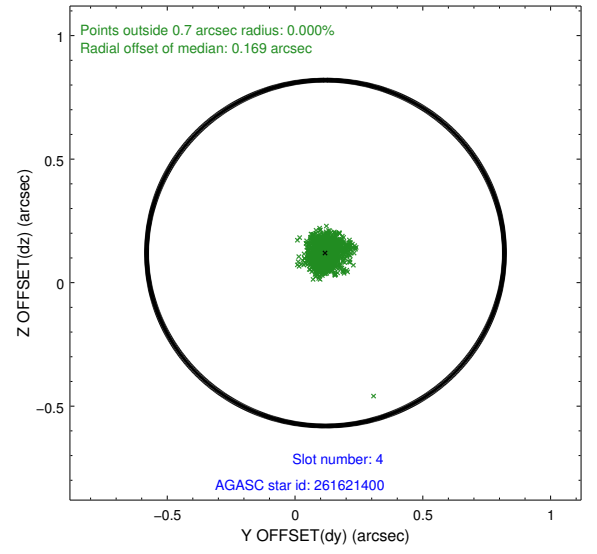
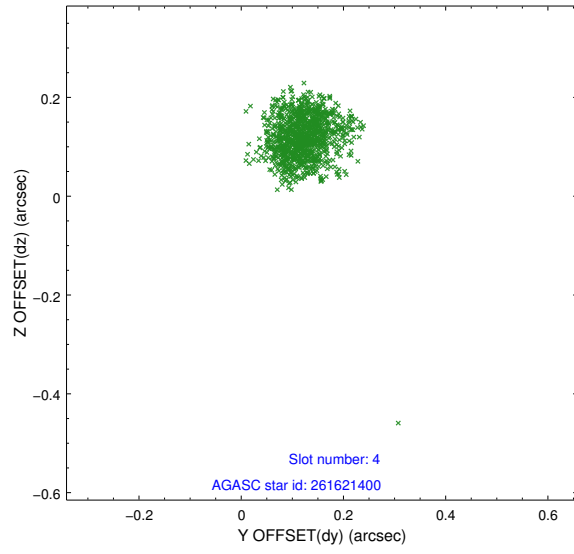
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	525	-0.010	0.059	0.007	0.011	0.000000	0.000000	-763.30	-1297.03
1	FID	HRC-I-2	7.03	525	0.125	-0.089	0.006	0.013	0.000000	0.000000	848.01	-1301.22
2	FID	HRC-I-3	7.09	525	0.005	-0.060	0.007	0.015	0.000000	0.000000	-1190.15	1004.94
3	GUIDE	261619776	8.80	1049	-0.034	-0.109	0.084	0.137	198.654383	29.401174	305.89	1792.64
4	GUIDE	261621400	6.98	1049	0.119	0.120	0.062	0.096	198.901600	28.741982	-1341.63	-81.45
5	GUIDE	261623040	9.13	1048	-0.195	-0.151	0.088	0.134	198.792686	29.757643	1629.86	2071.80
6	GUIDE	261626376	9.71	1048	0.061	-0.031	0.103	0.174	198.947288	29.347445	608.37	905.58
7	GUIDE	261629720	8.10	1048	0.047	0.187	0.061	0.103	199.236176	29.044452	133.32	-433.13

2.4 Star Slots

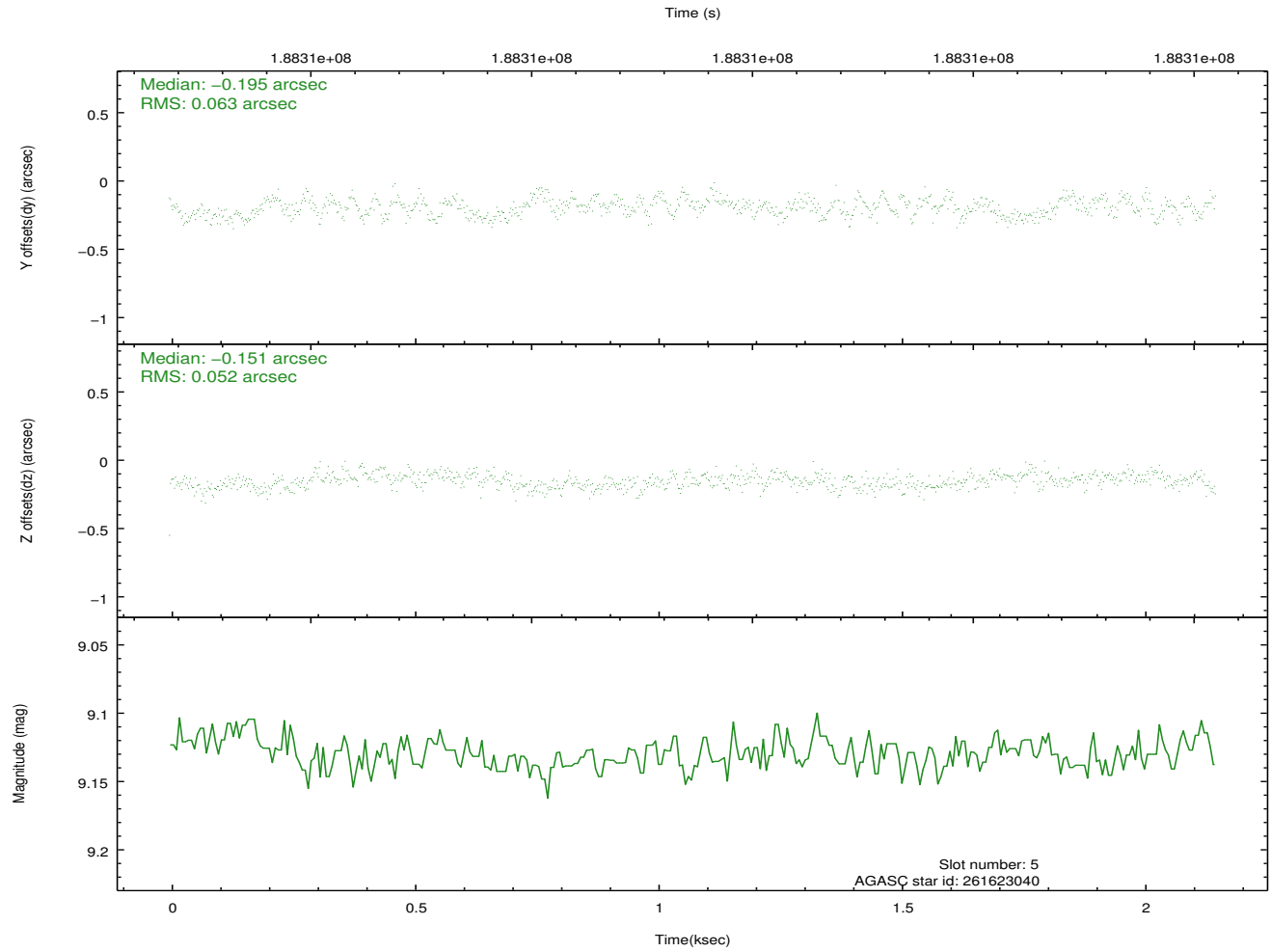
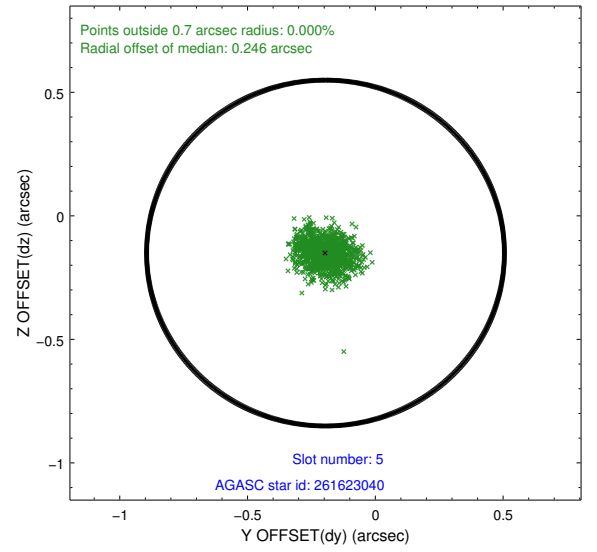
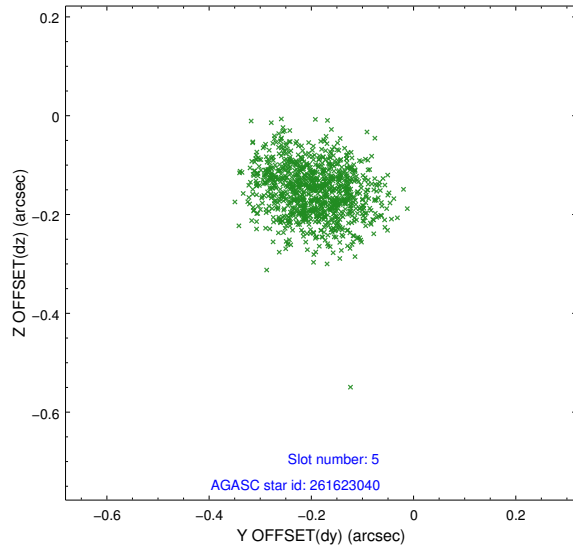
2.4.1 Slot 3



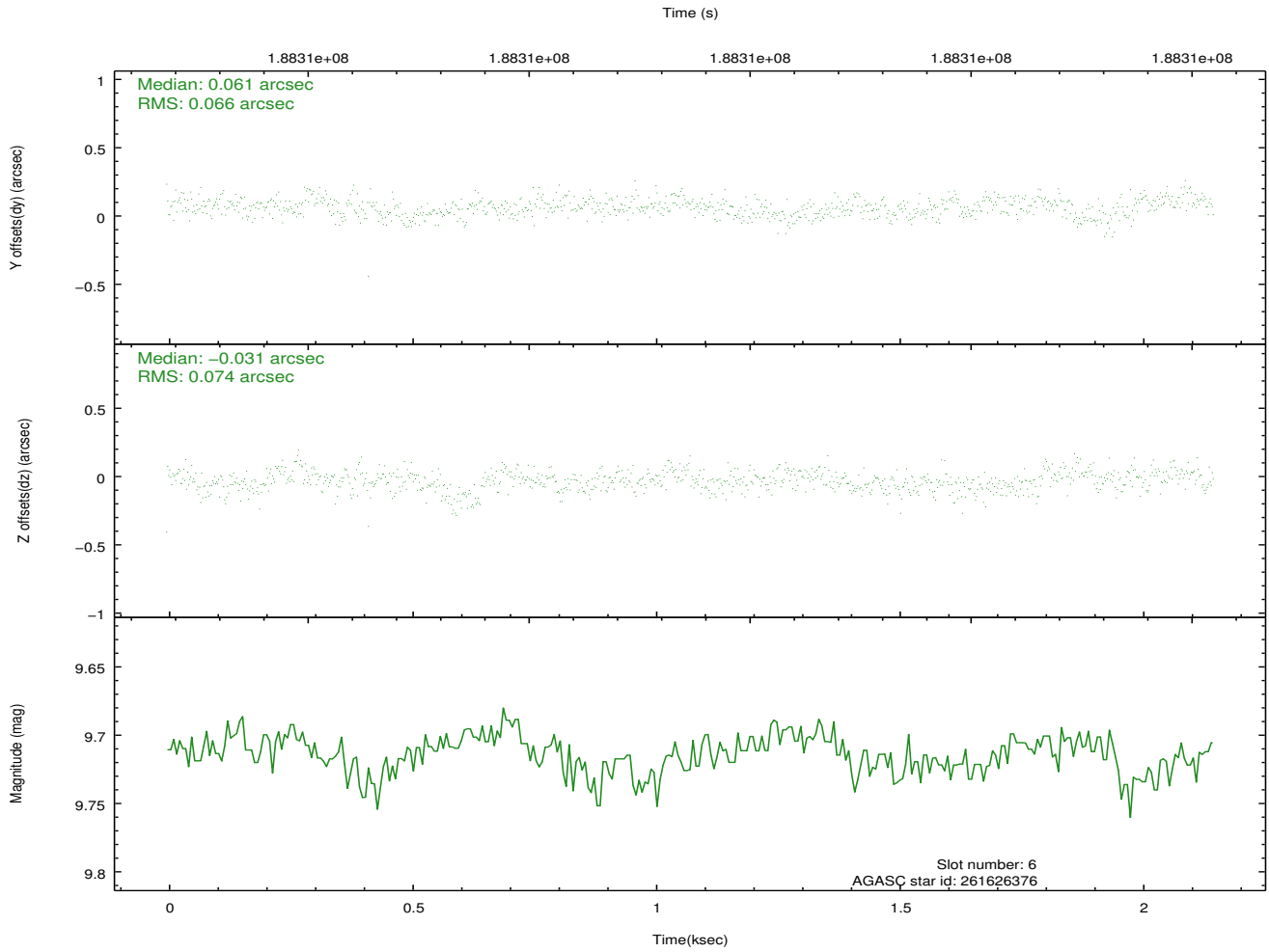
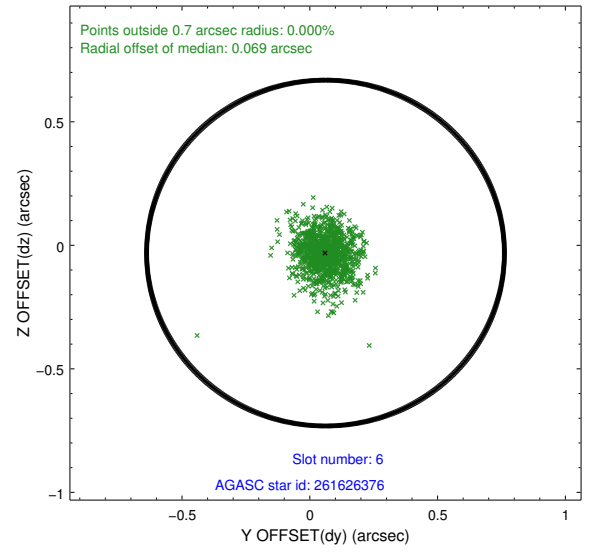
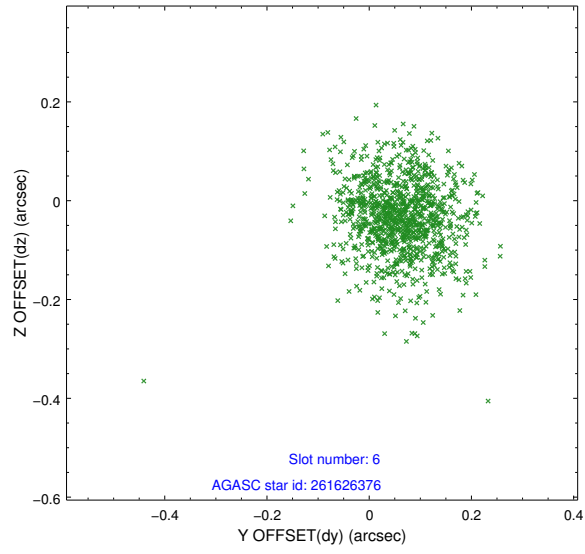
2.4.2 Slot 4



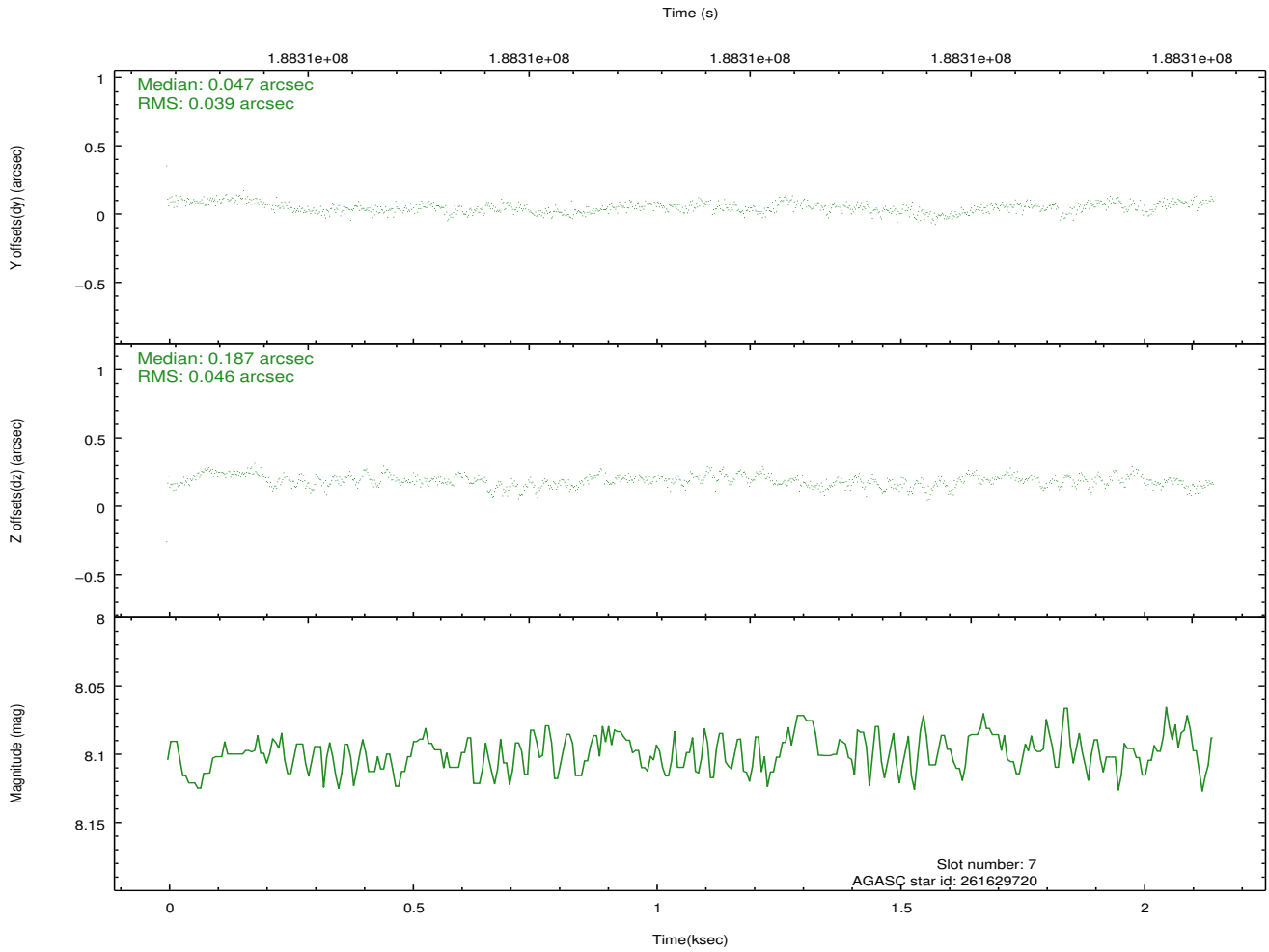
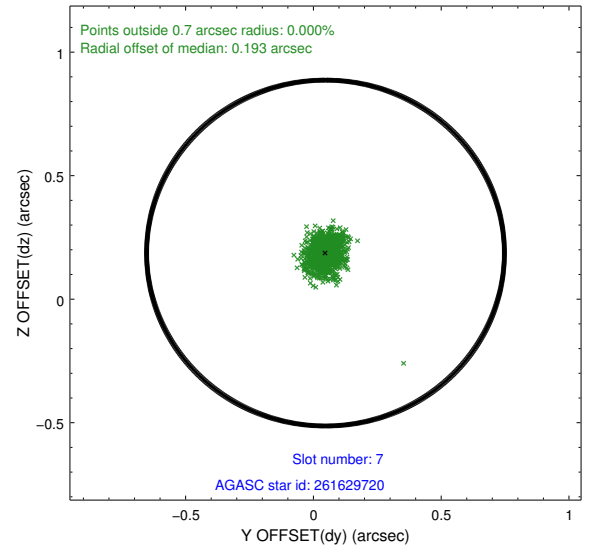
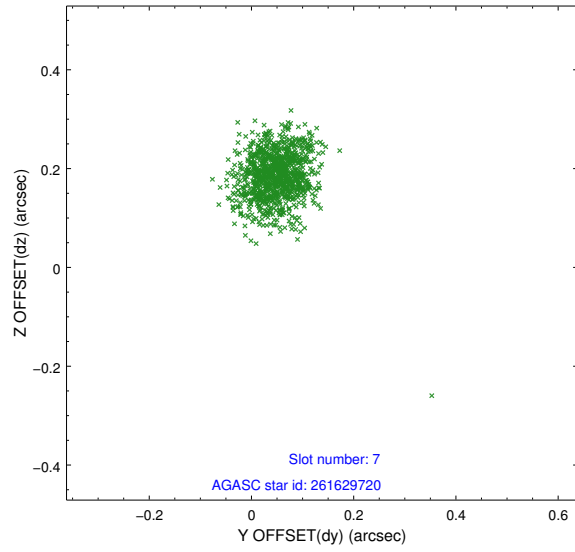
2.4.3 Slot 5



2.4.4 Slot 6

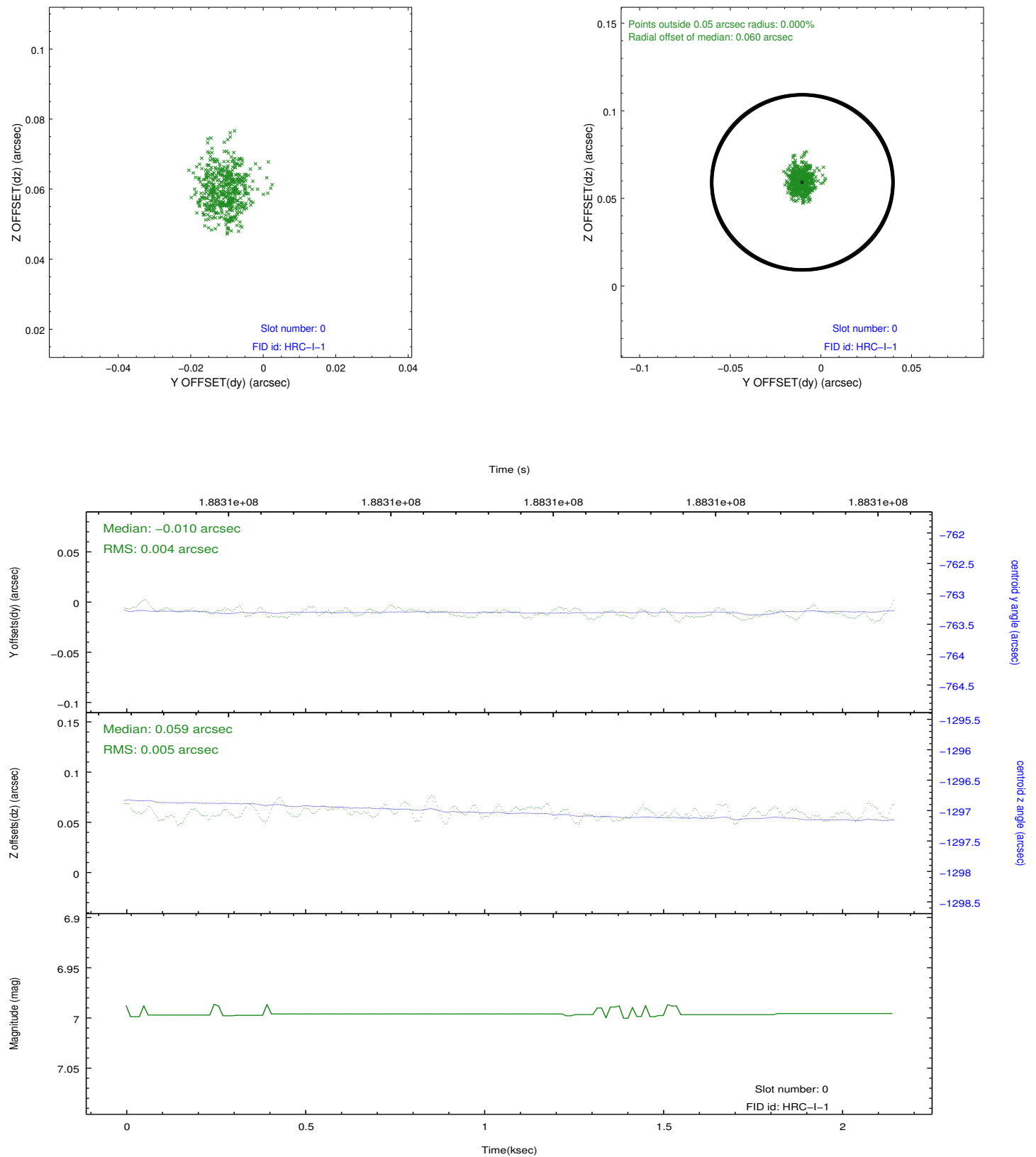


2.4.5 Slot 7

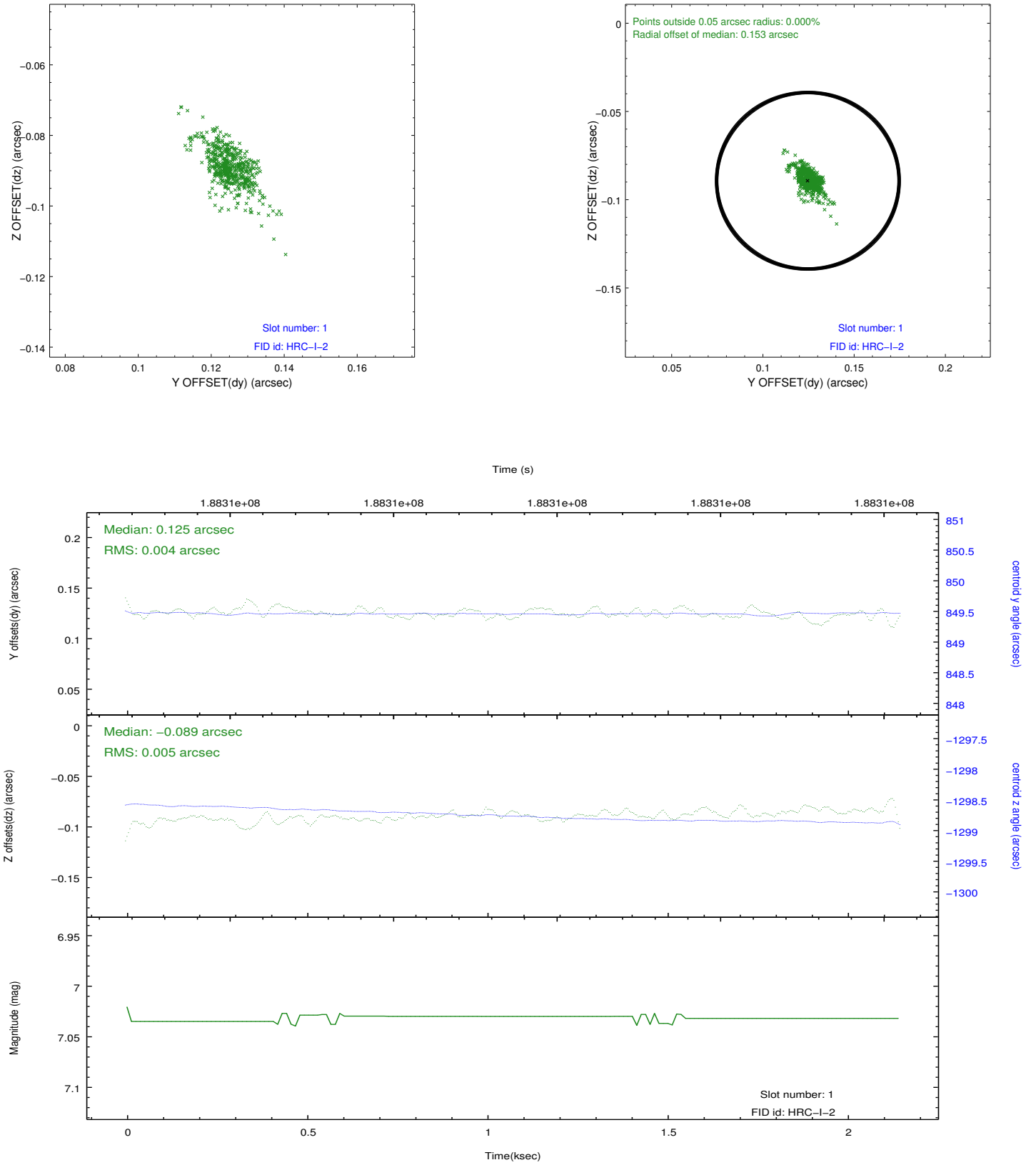


2.5 FID Slots

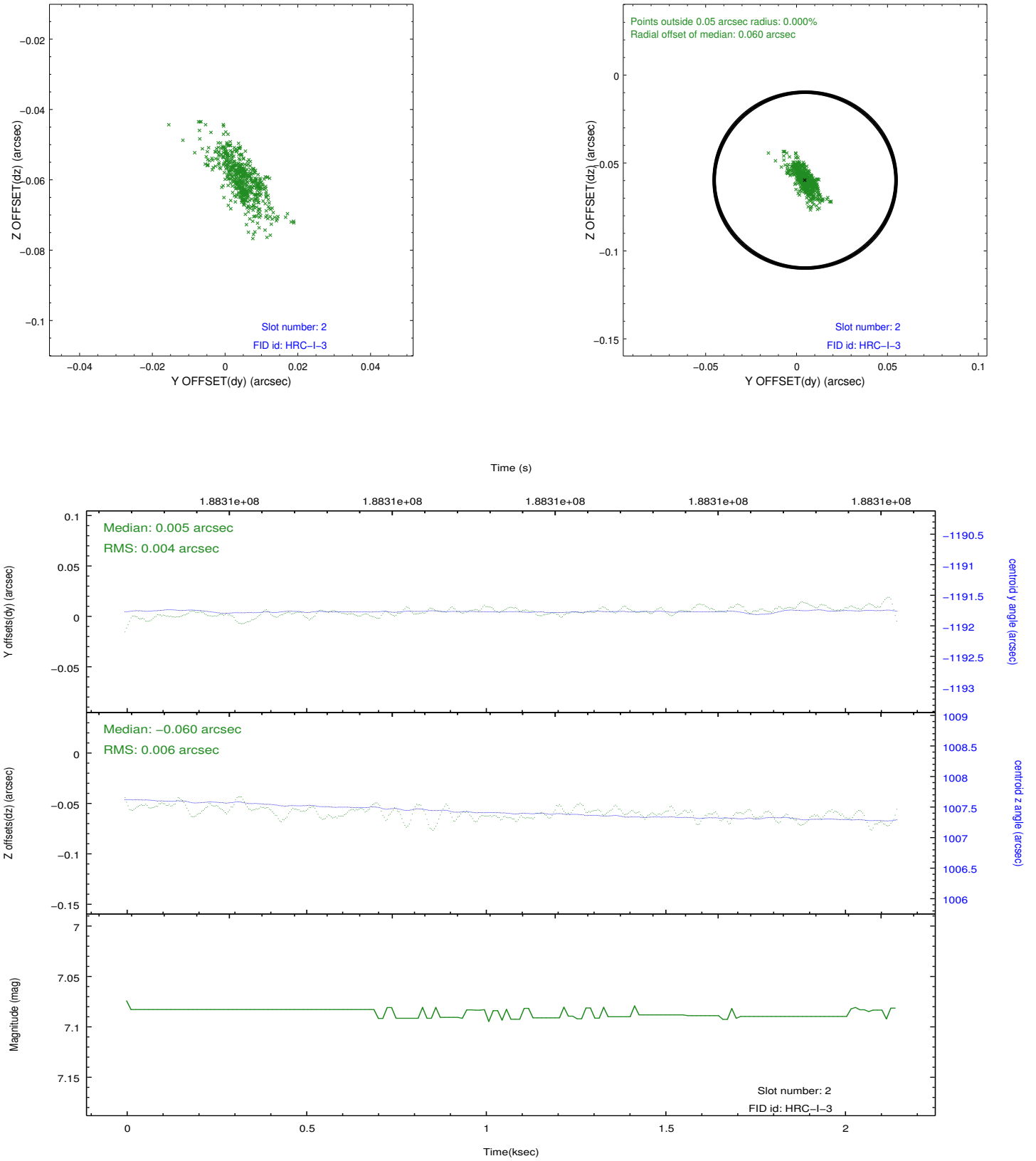
2.5.1 Slot 0



2.5.2 Slot 1

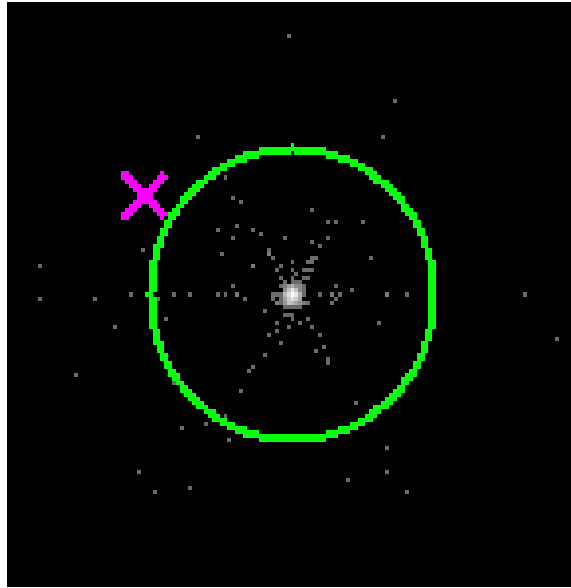


2.5.3 Slot 2

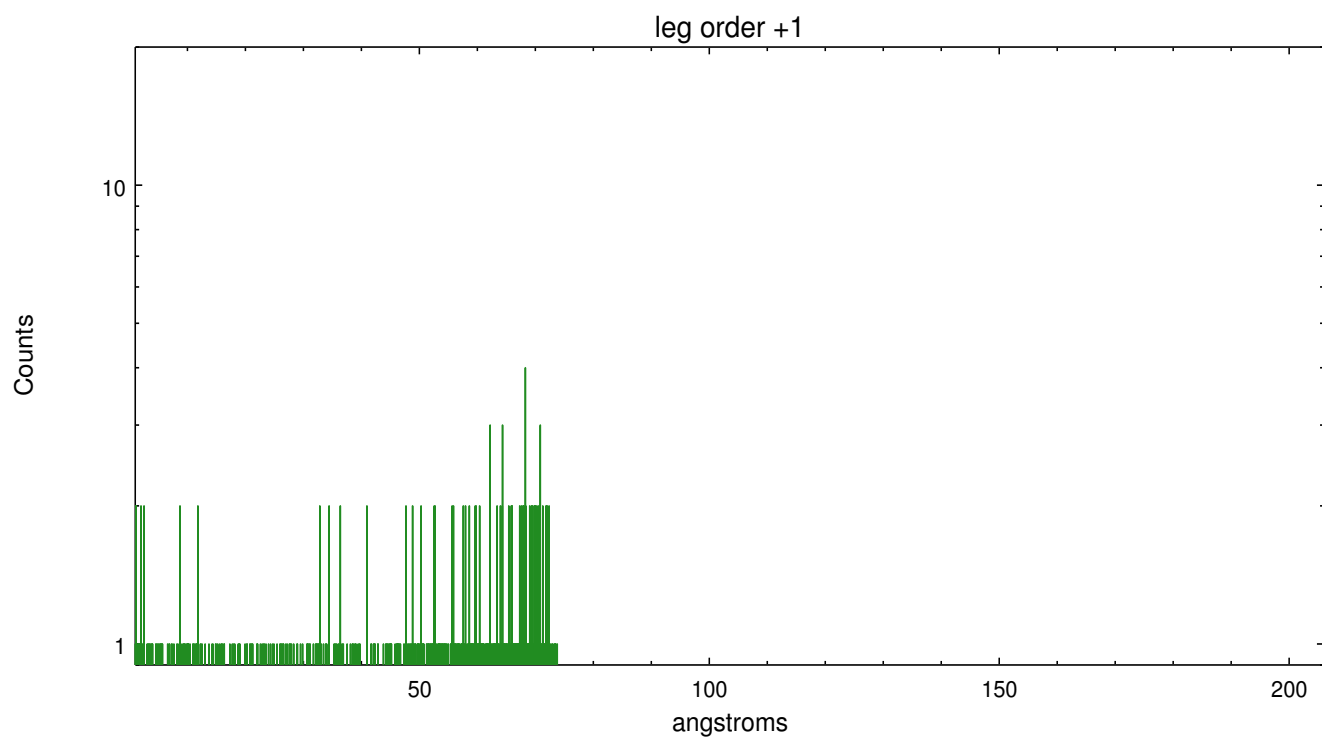
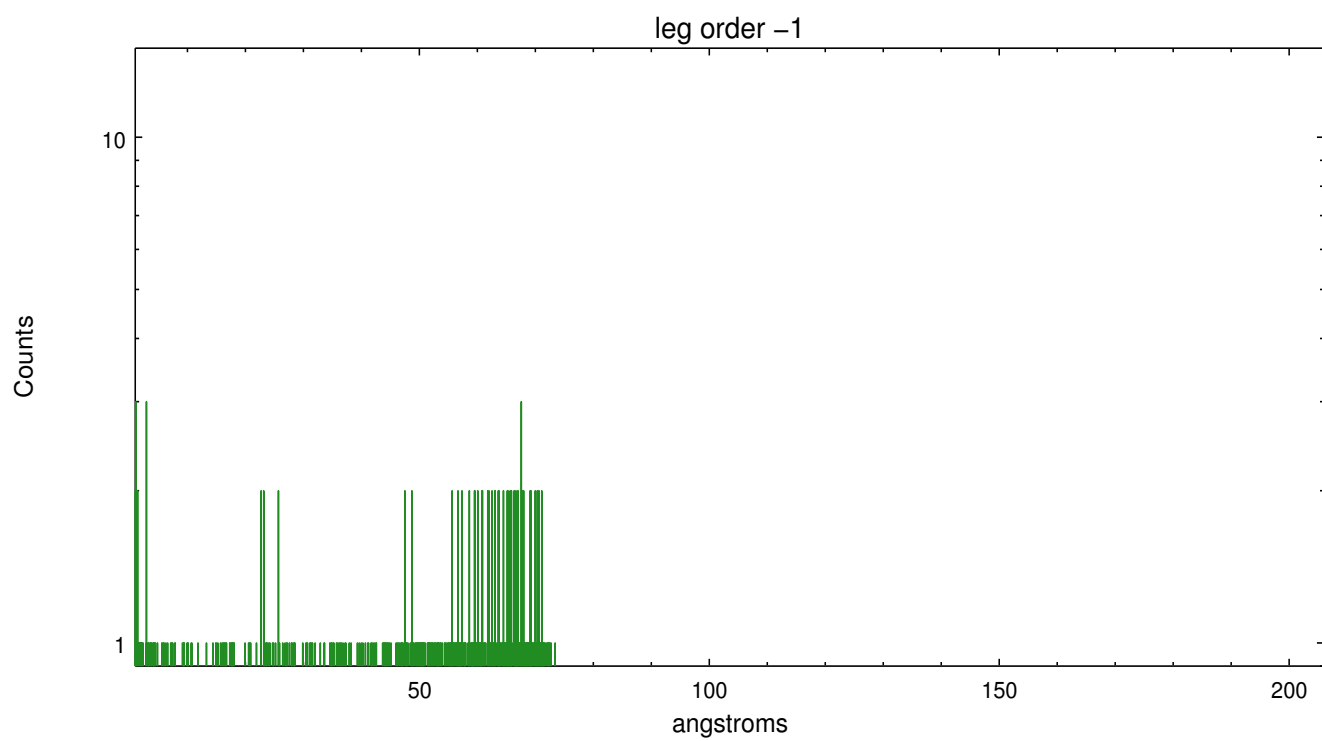


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.981

A.2 Comments