

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5960 - L2 Version 4
Chandra X-Ray Center

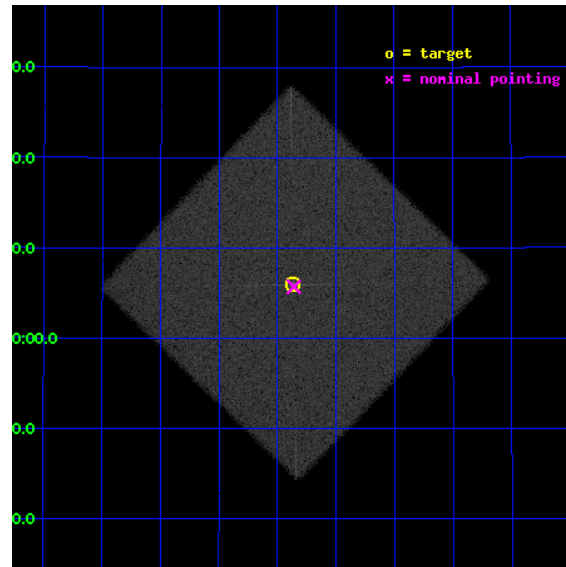
L2 Processing Date : Dec 27 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

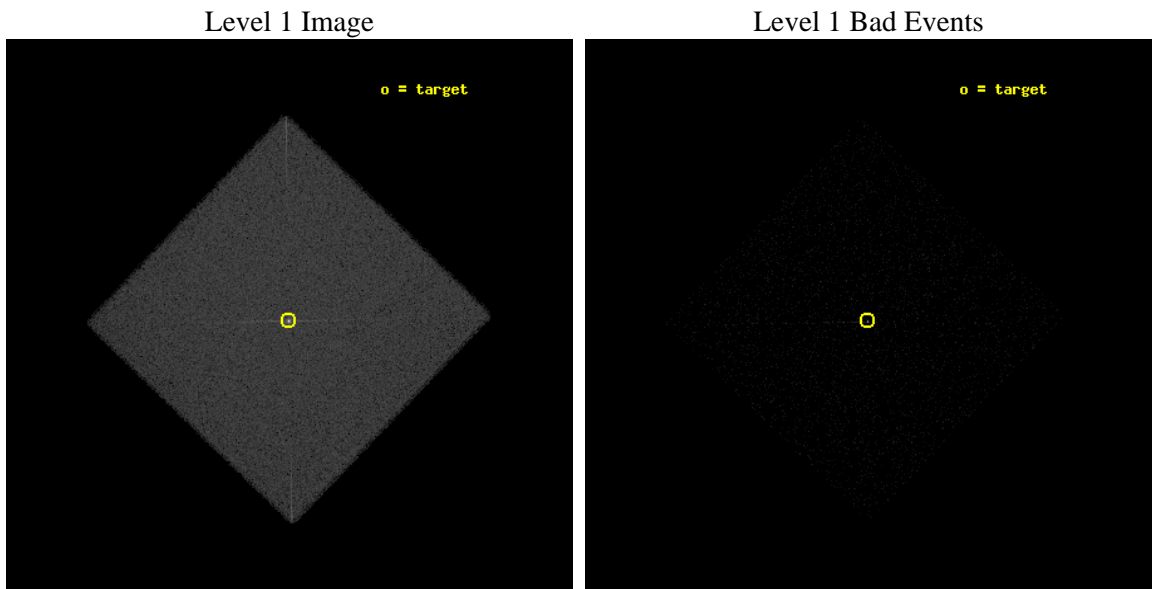
seq_num	290452	Sequence number
obs_id	5960	Observation id
title	AO6 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08987685671	Nominal RA [deg]
dec_nom	29.095167066991	Nominal Dec [deg]
roll_nom	268.92151599611	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2172.2313495576	[s]
livetime	2132.6774070229	Ontime multiplied by DTCOR
l2events	261372	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1998.709000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	2172.2313495576	[s]
caldsver	4.5.5	 	l1events	464187	Number of level 1 events
date	2012-12-27T04:01:17	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

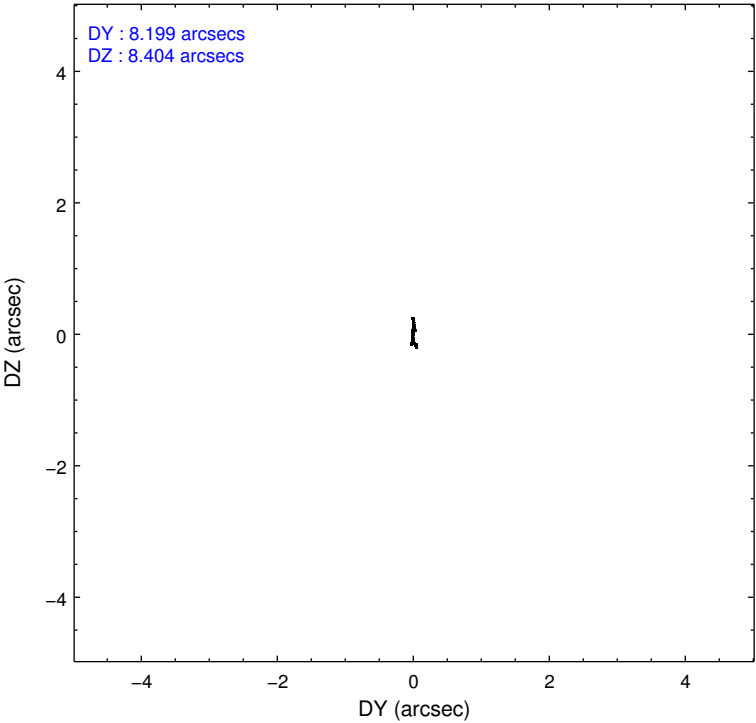
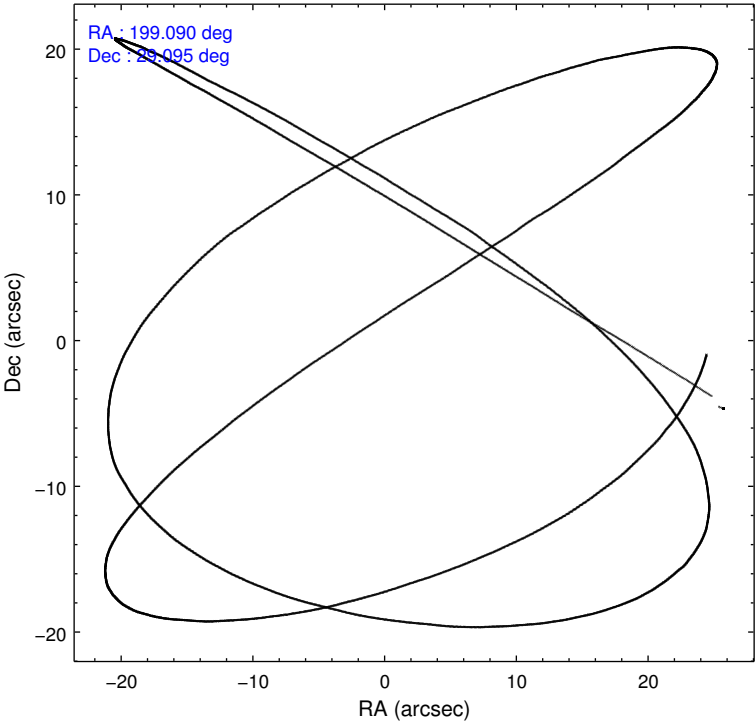
Level 1 Events

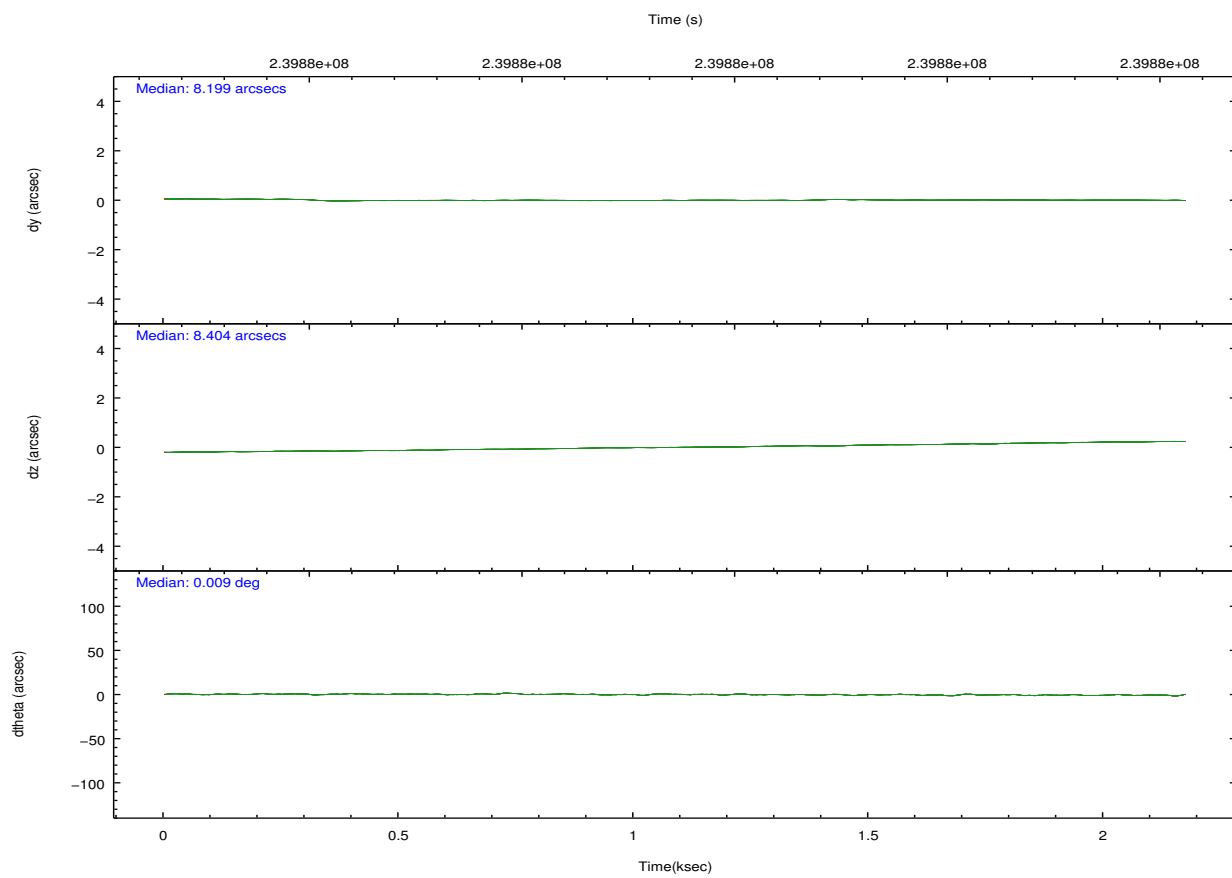
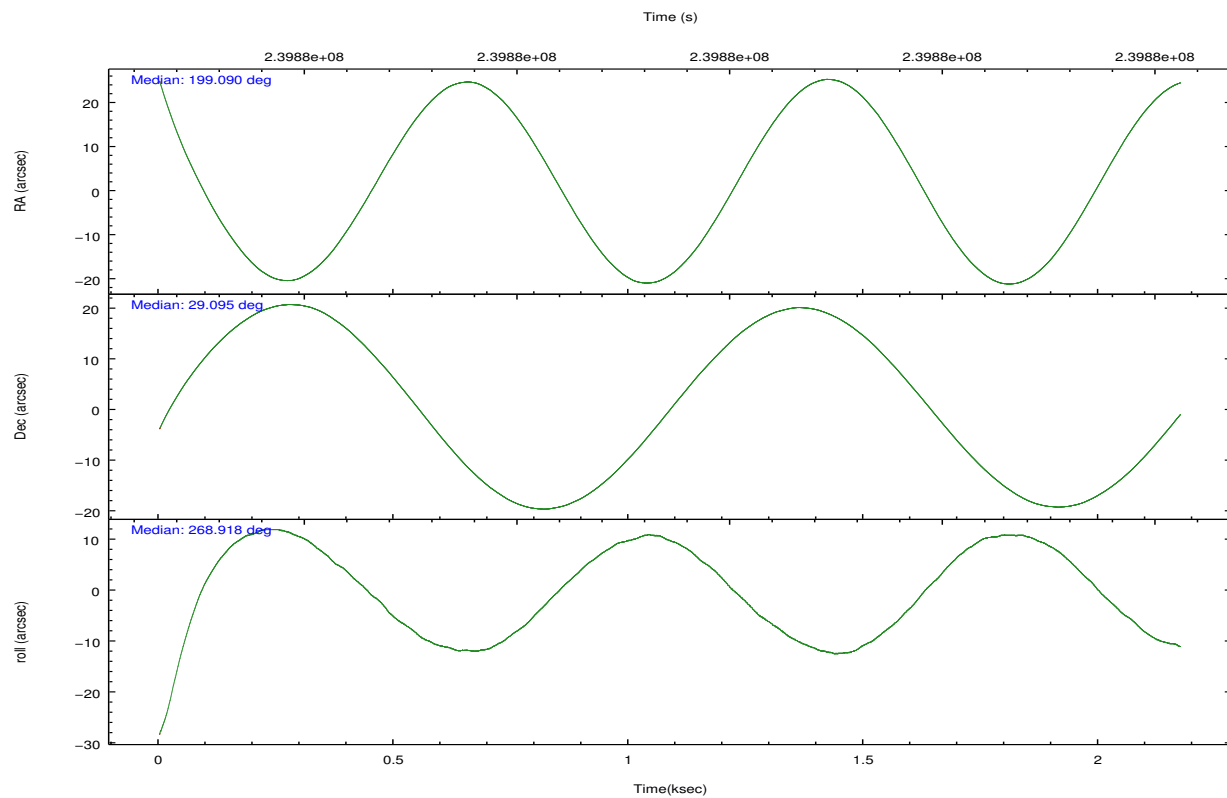
	segment 0
level 1 events	464187
rejected events	142814
rejected %	30%

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	199.074532	199.0898768567092			
[deg] Pointing Dec	29.118598	29.09516706699098			
[deg] Pointing Roll	269.024592	268.9215159961109			
[s] Window start time (MET)	233971264.184000	233971264.184000			
[s] Window stop time (MET)	241833664.184000	241833664.184000			
[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)	239876450.184000	239875460.67357			
Observation start date	2005-08-08T08:19:46	2005-08-08T08:04:20			
[s] Observation end time (MET)	239878449.184000	239878643.29872			
Observation end date	2005-08-08T08:53:05	2005-08-08T08:57:23			

2.3 Aspect



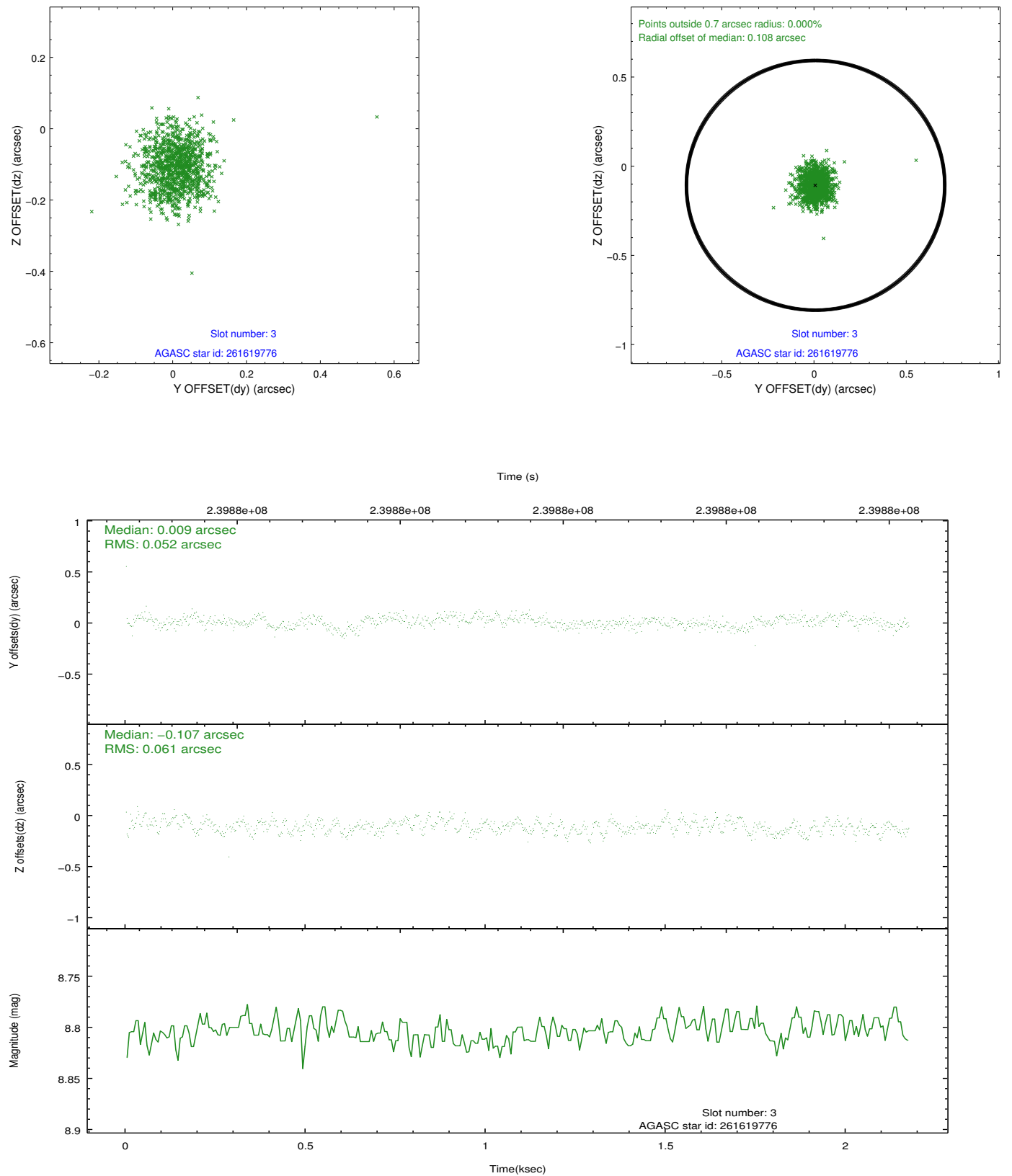


Slot Statistics

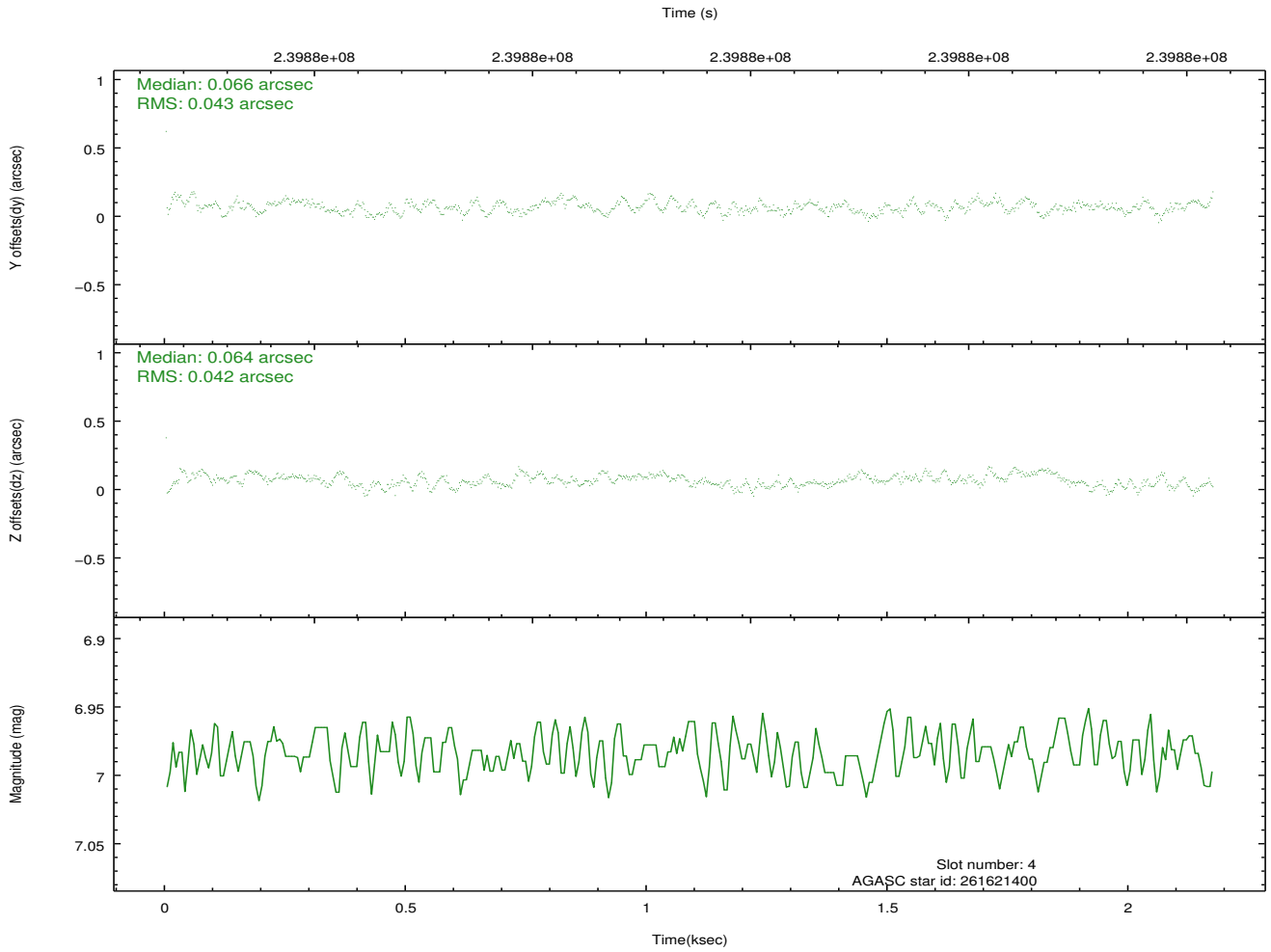
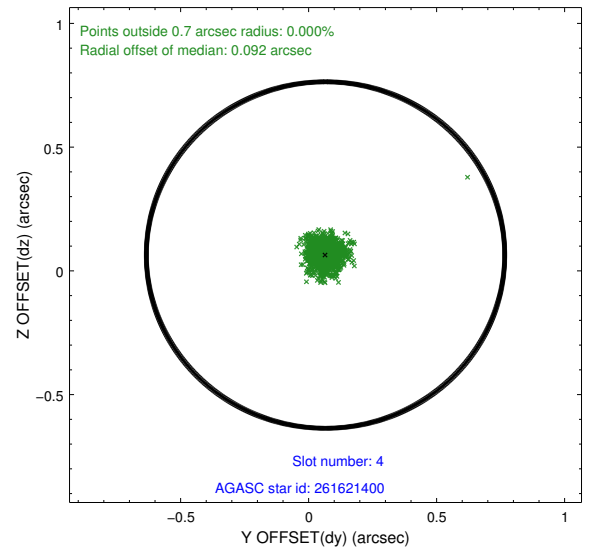
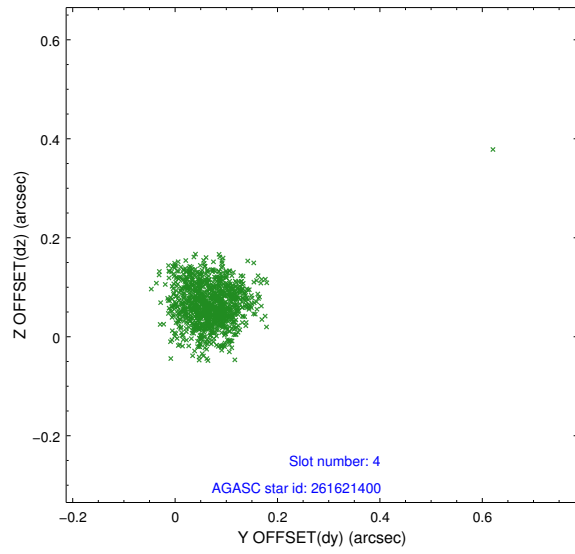
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	531	0.091	-0.065	0.008	0.011	0.000000	0.000000	848.89	-1297.94
1	FID	HRC-I-3	7.05	531	-0.065	0.025	0.007	0.012	0.000000	0.000000	-1190.77	1005.85
2	FID	HRC-I-4	6.99	531	0.093	-0.047	0.006	0.009	0.000000	0.000000	1276.83	1007.71
3	GUIDE	261619776	8.80	1060	0.009	-0.107	0.084	0.134	198.654383	29.401174	-996.54	-1333.77
4	GUIDE	261621400	6.98	1061	0.066	0.064	0.062	0.098	198.901600	28.741982	1363.88	-522.99
5	GUIDE	261624456	7.31	1060	0.099	0.110	0.064	0.098	199.758056	28.567828	1940.42	2194.86
6	GUIDE	261626352	8.60	1061	-0.209	-0.096	0.078	0.125	198.417097	29.781420	-2355.14	-2092.60
7	GUIDE	261623040	9.12	1060	0.034	0.032	0.086	0.145	198.792686	29.757643	-2288.21	-920.99

2.4 Star Slots

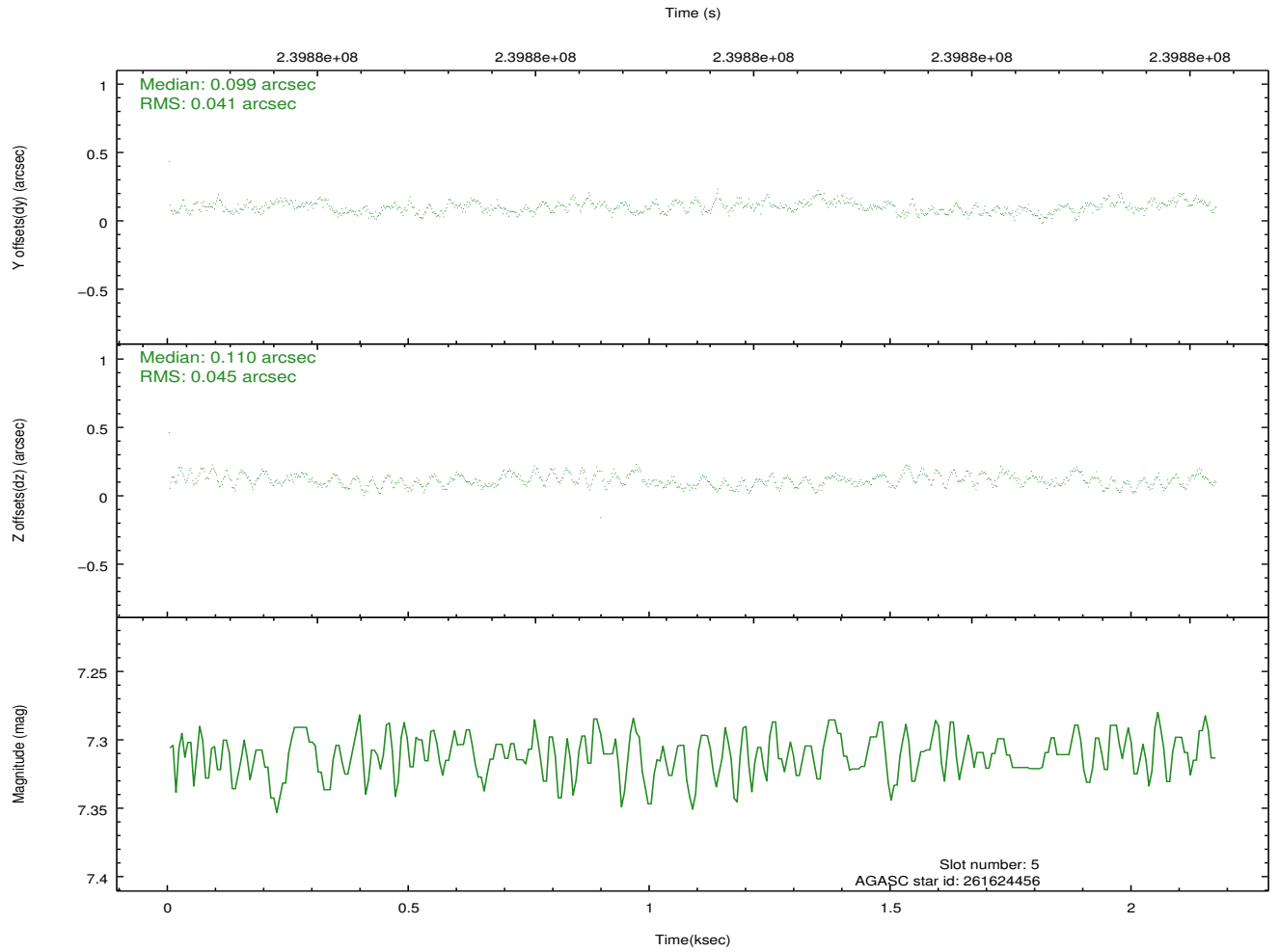
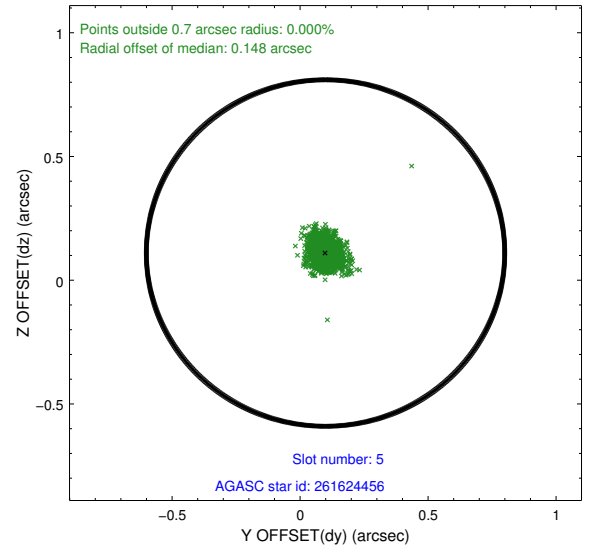
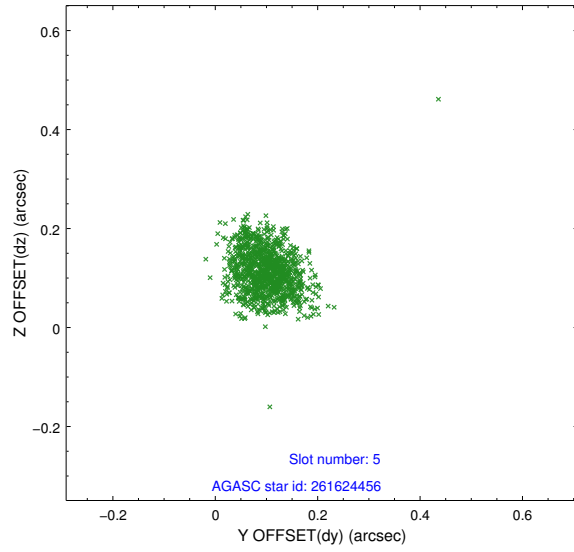
2.4.1 Slot 3



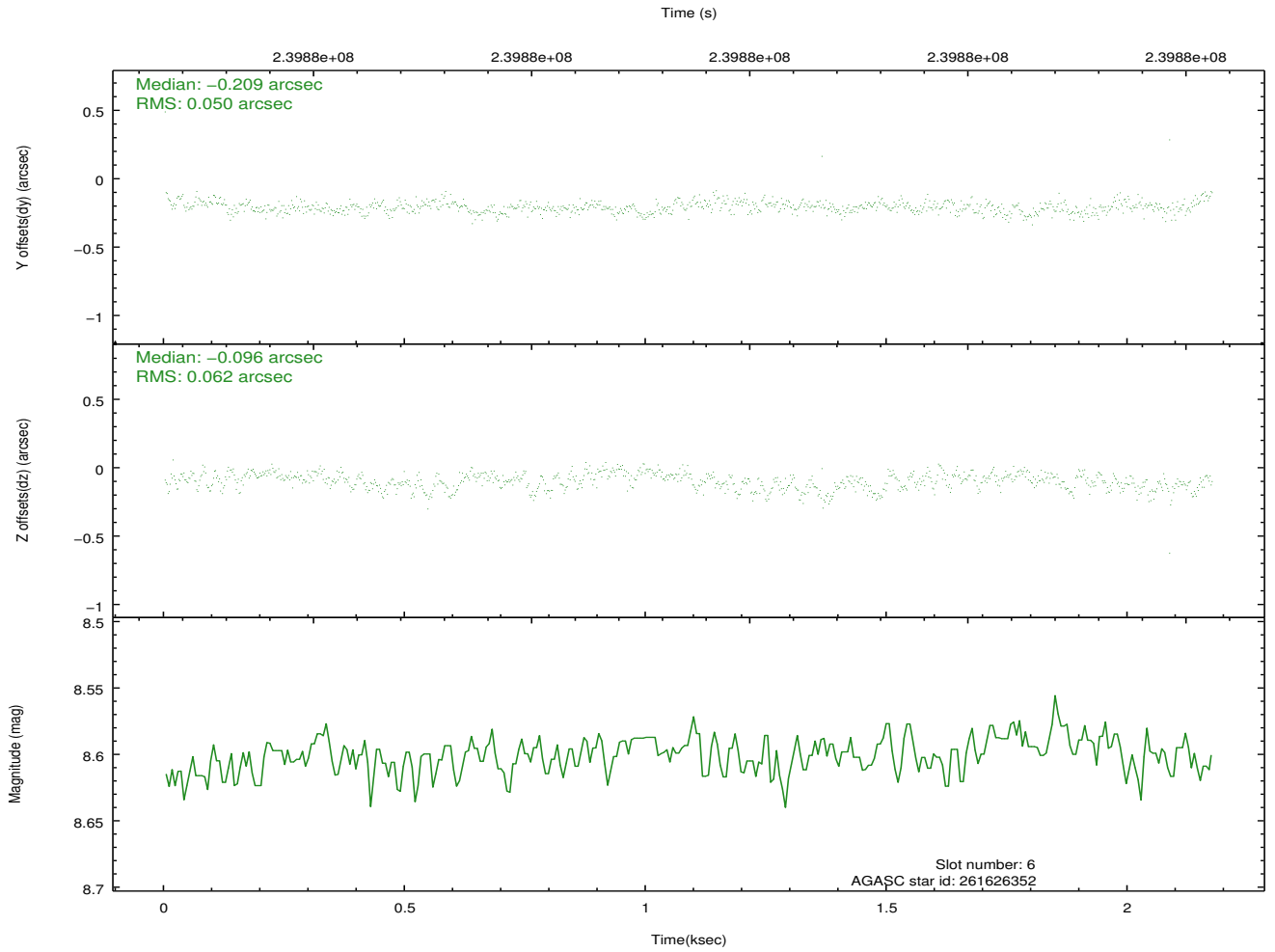
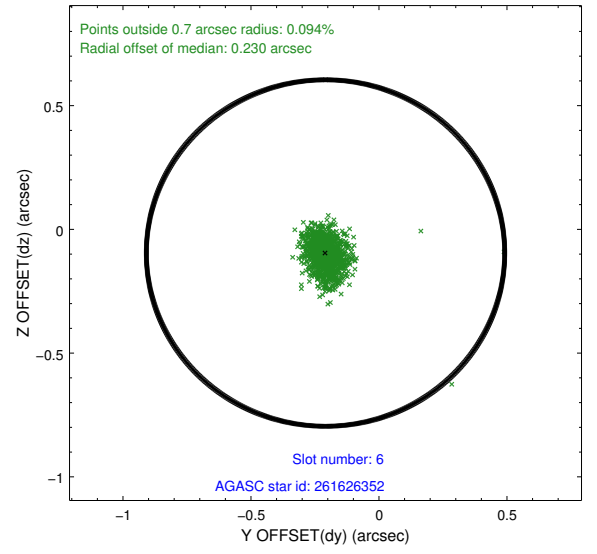
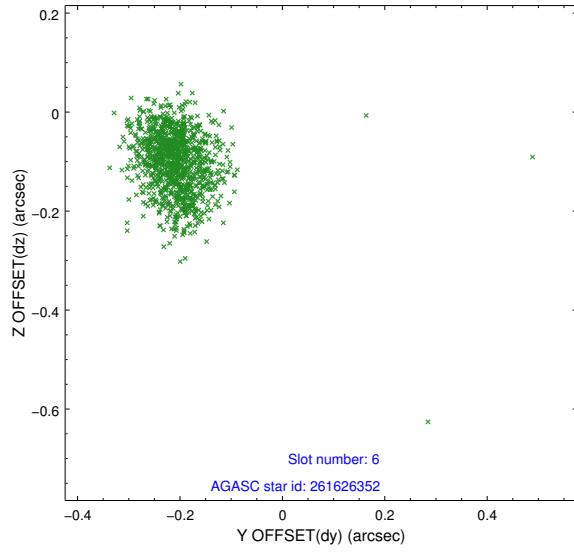
2.4.2 Slot 4



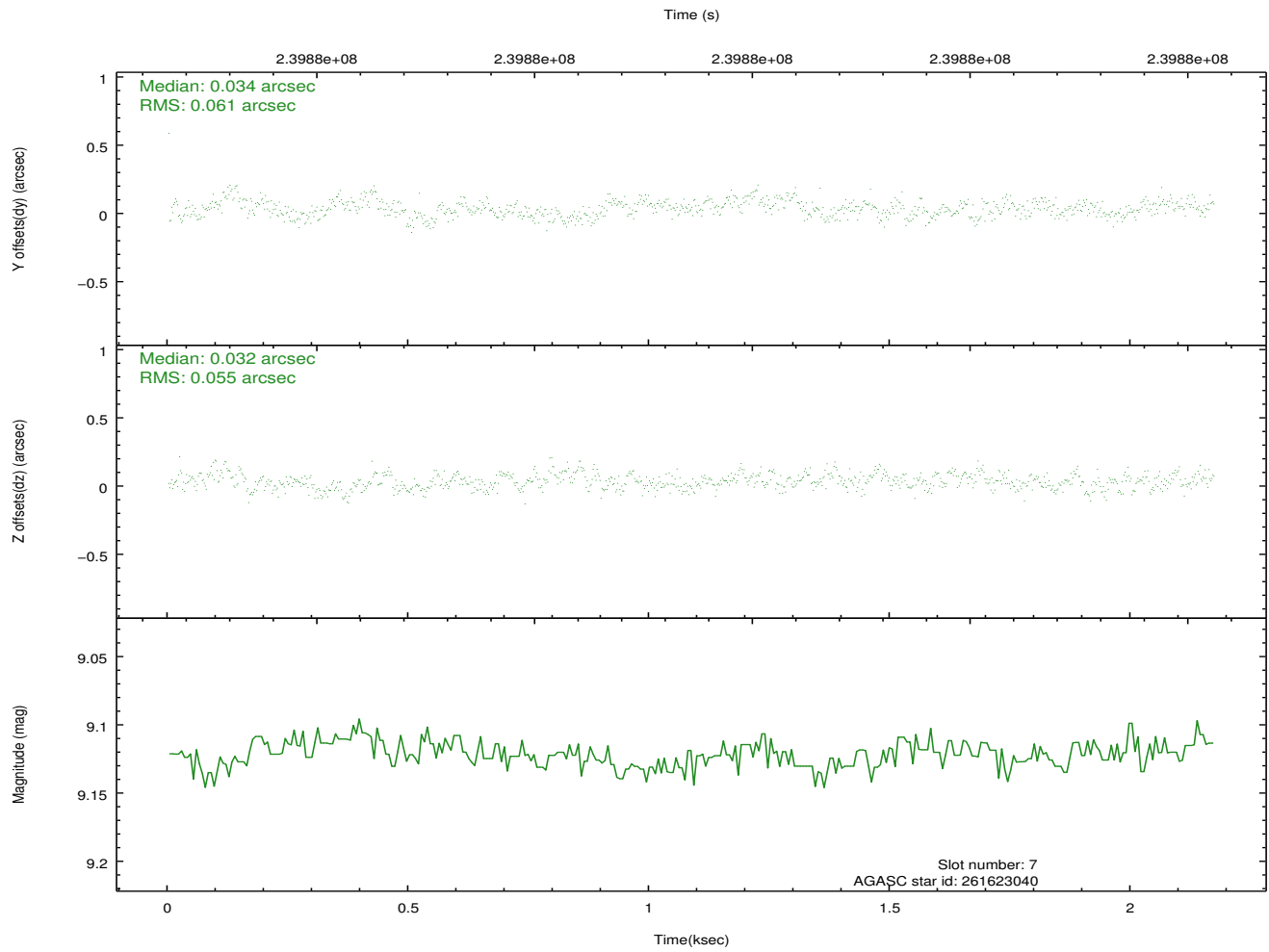
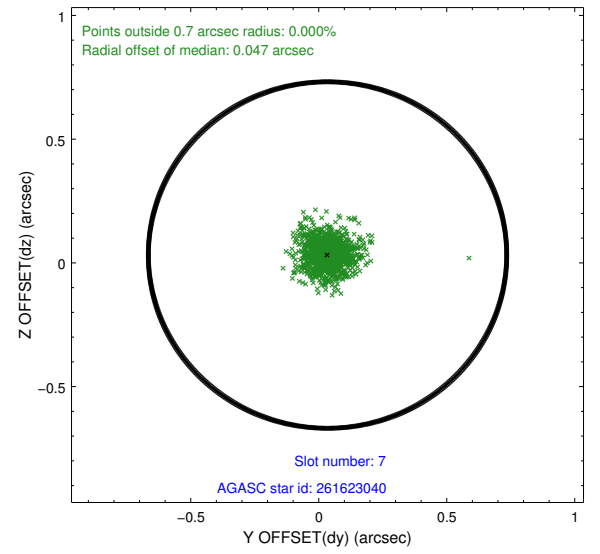
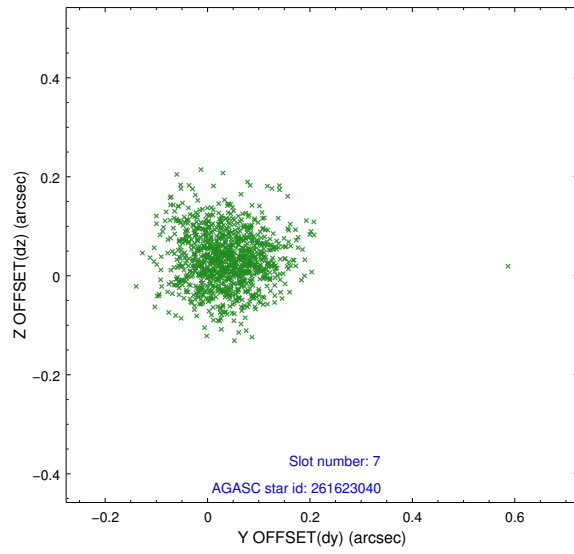
2.4.3 Slot 5



2.4.4 Slot 6

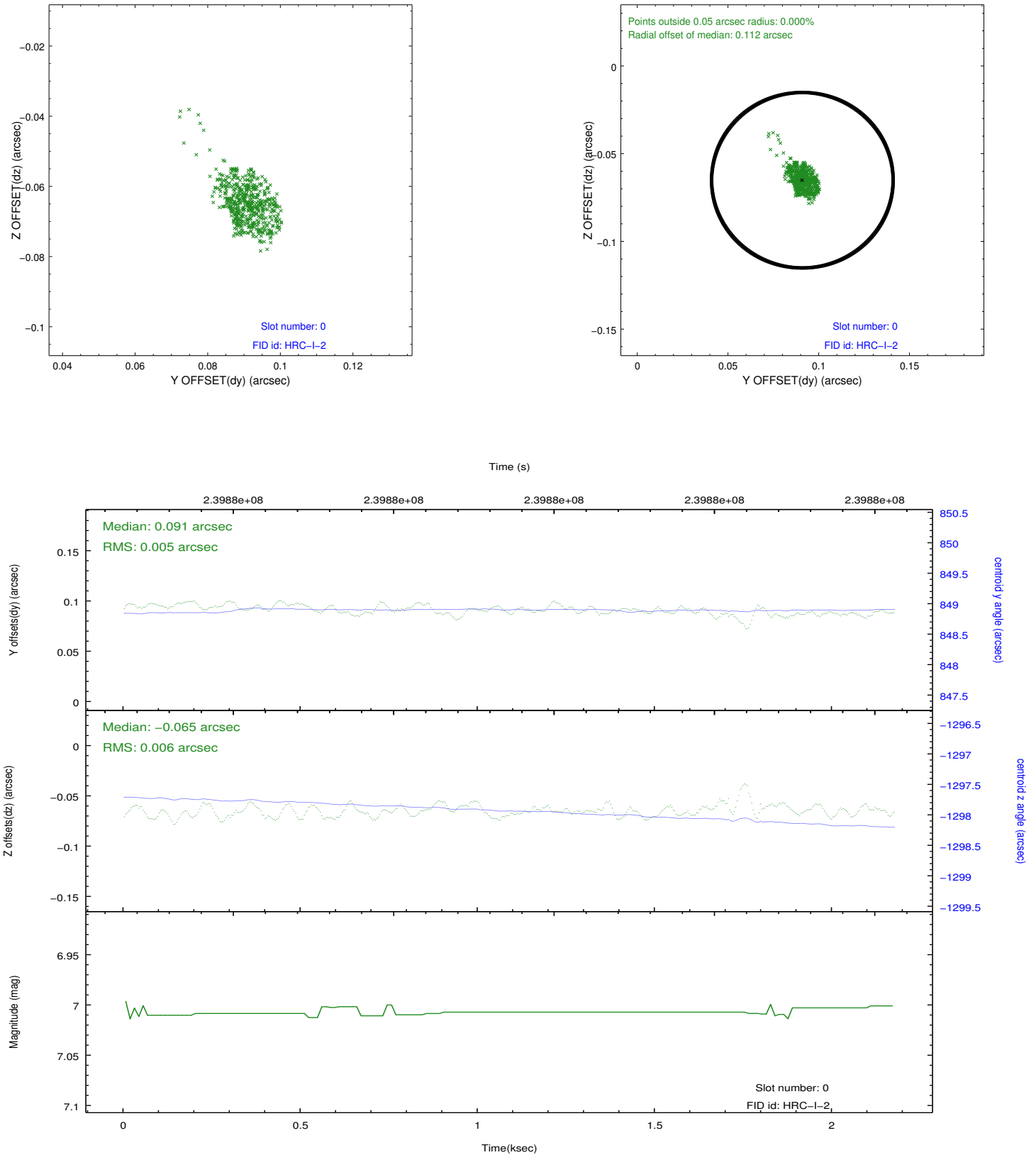


2.4.5 Slot 7

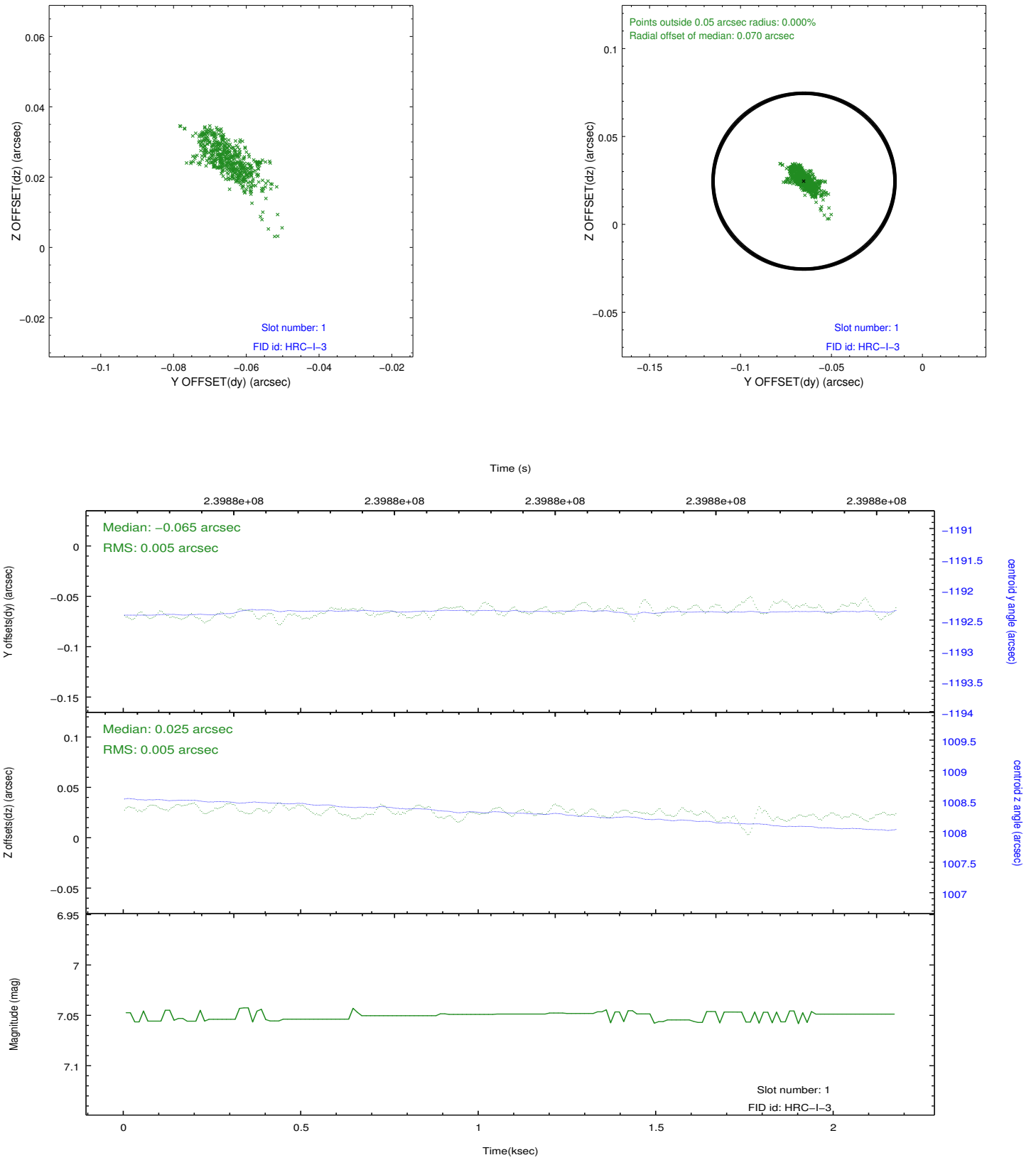


2.5 FID Slots

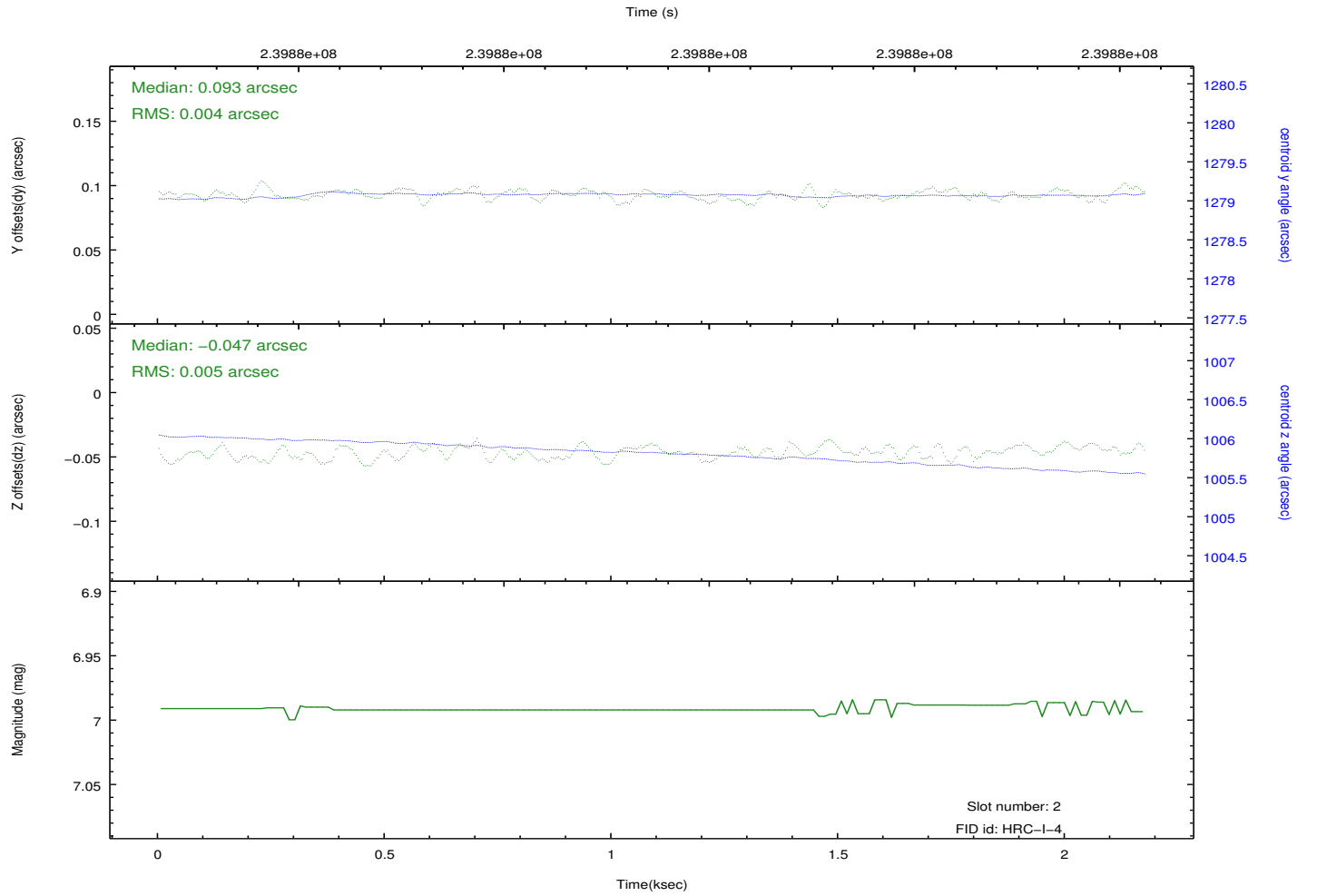
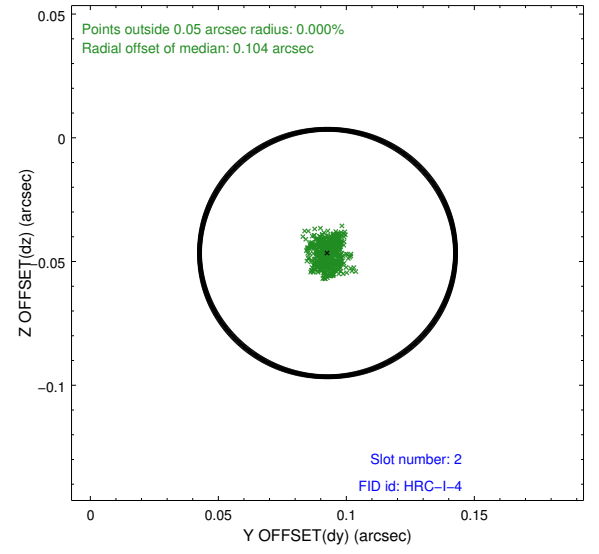
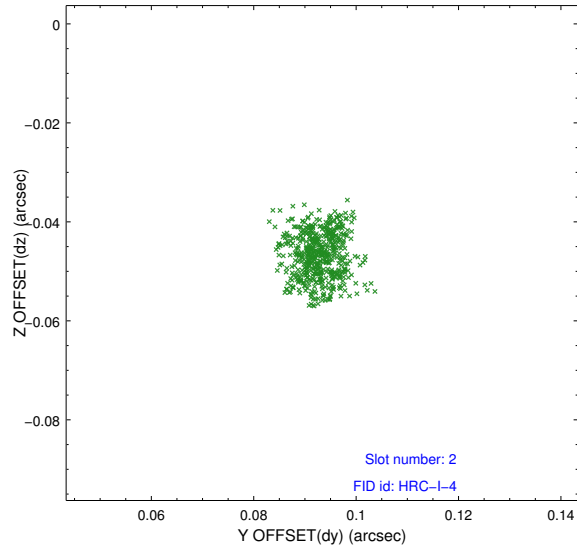
2.5.1 Slot 0



2.5.2 Slot 1

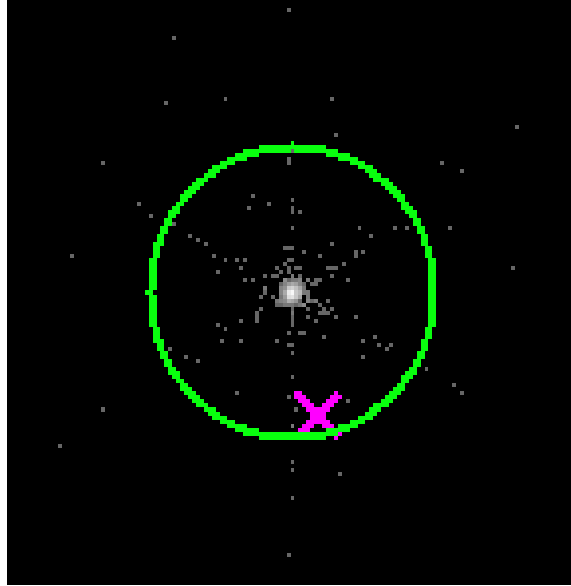


2.5.3 Slot 2

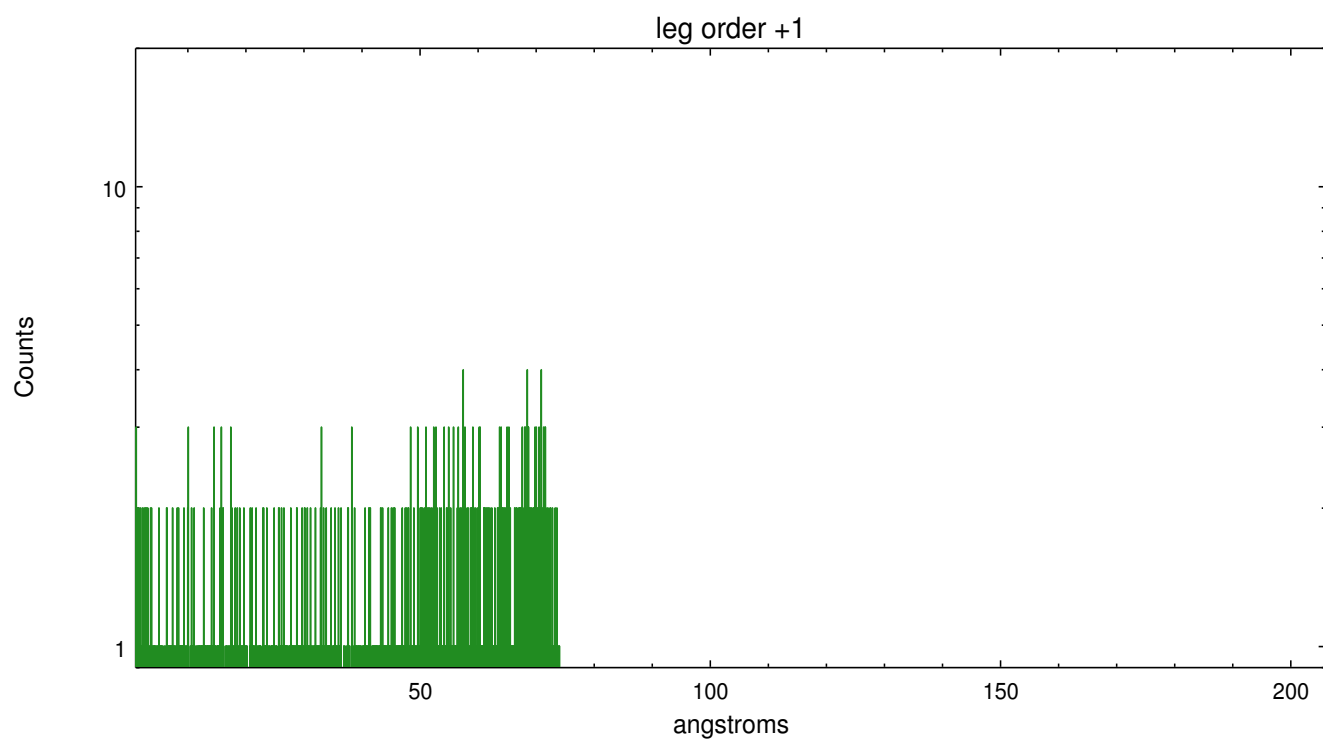
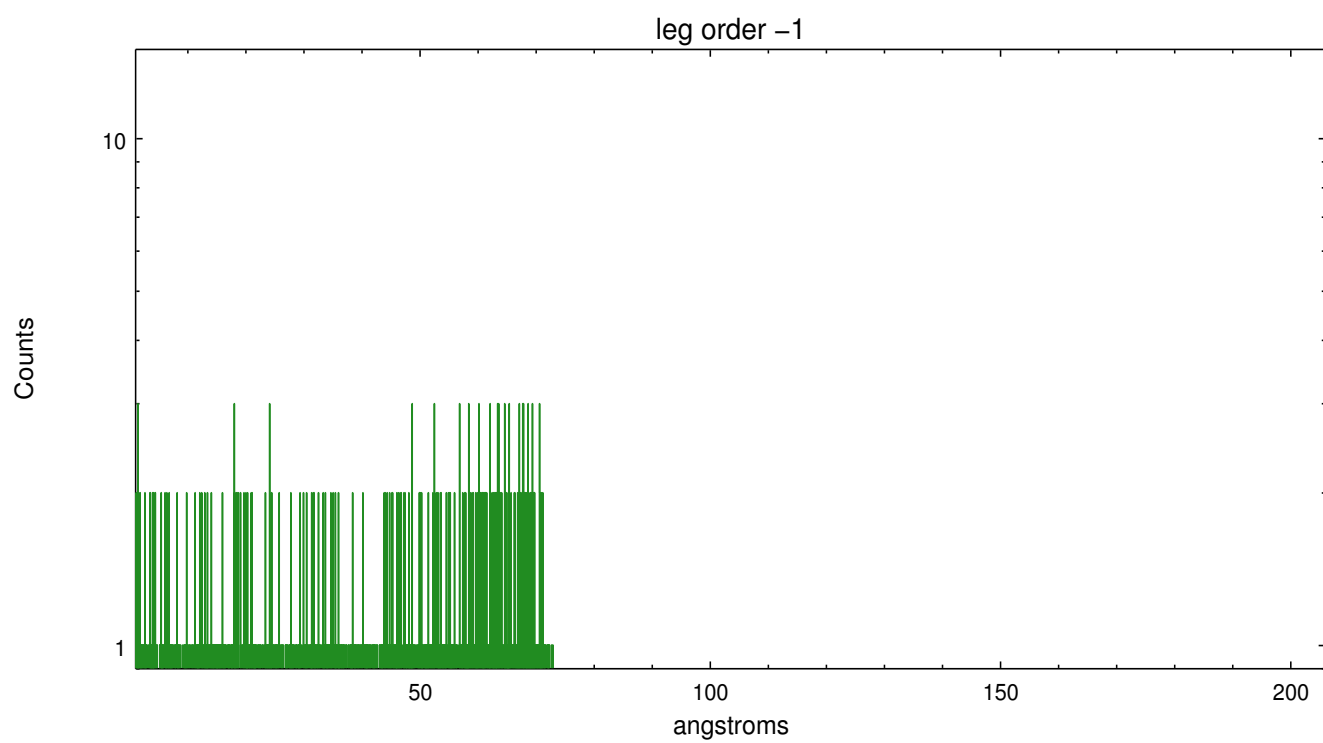


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17223

A.2 Comments