

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5045 - L2 Version 4
Chandra X-Ray Center

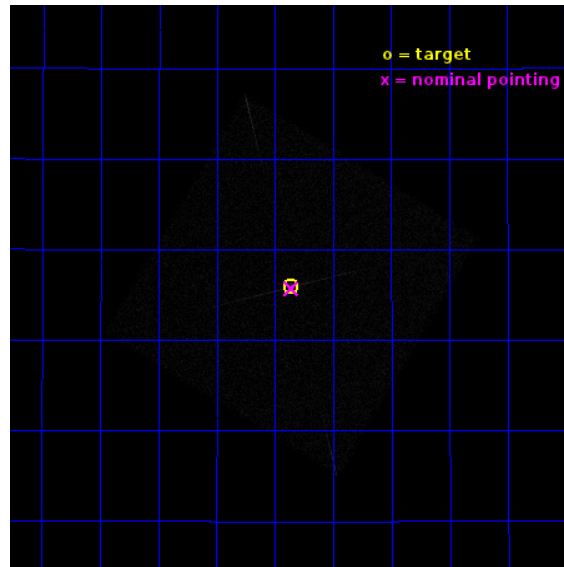
L2 Processing Date : Dec 6 2012

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1 Front

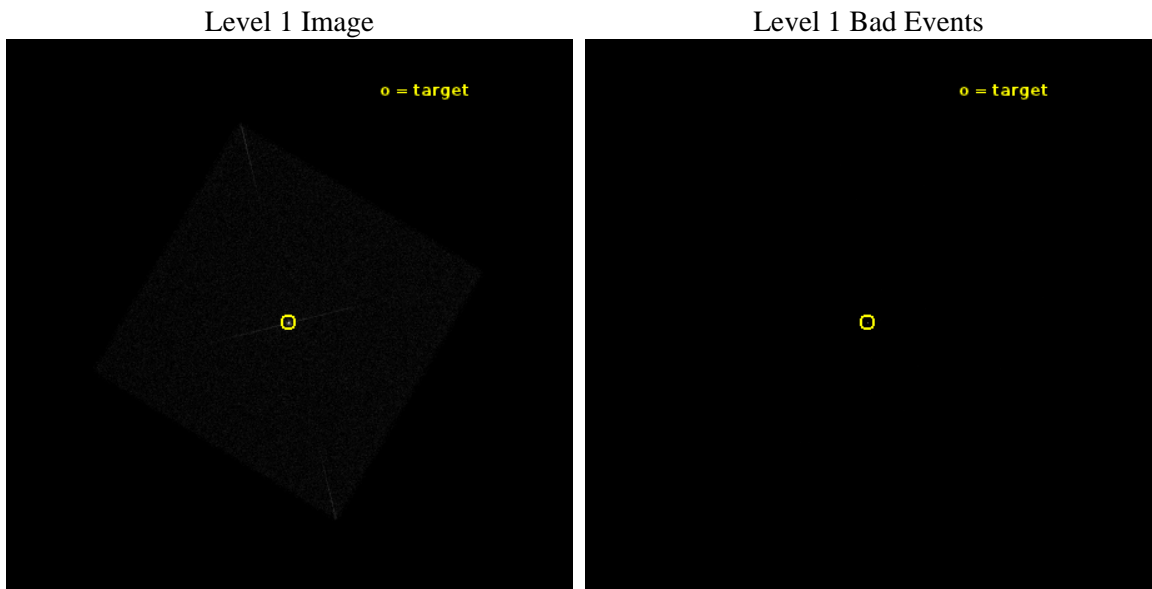
seq_num	290318	Sequence number
obs_id	5045	Observation id
title	AO5 Calibration Observations of HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08961067914	Nominal RA [deg]
dec_nom	29.095540110026	Nominal Dec [deg]
roll_nom	256.00368382827	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2147.3750953674	[s]
livetime	2133.0842702412	Ontime multiplied by DTCOR
l2events	79988	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	1969.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	2147.3750953674	[s]
caldbver	4.5.4	 	l1events	164246	Number of level 1 events
date	2012-12-06T09:36:33	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

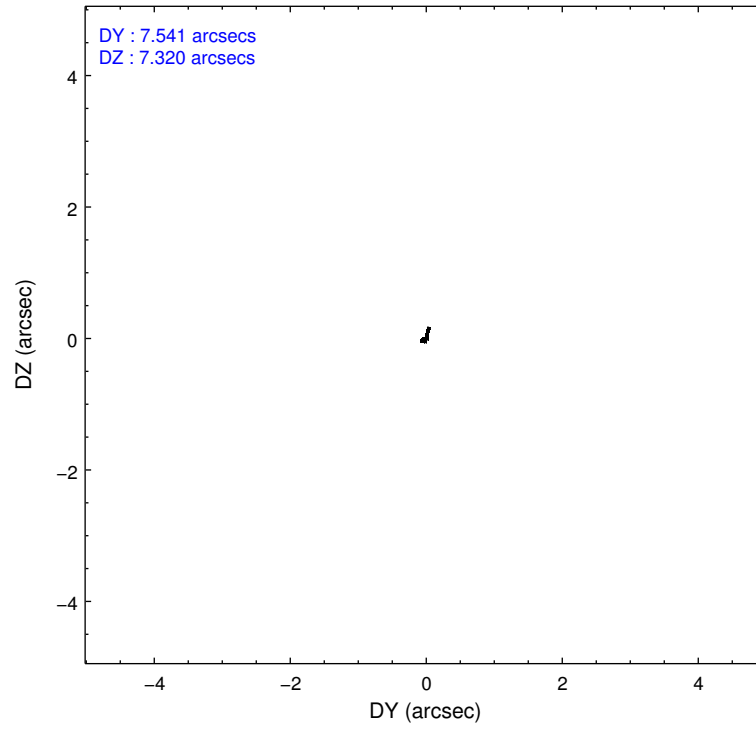
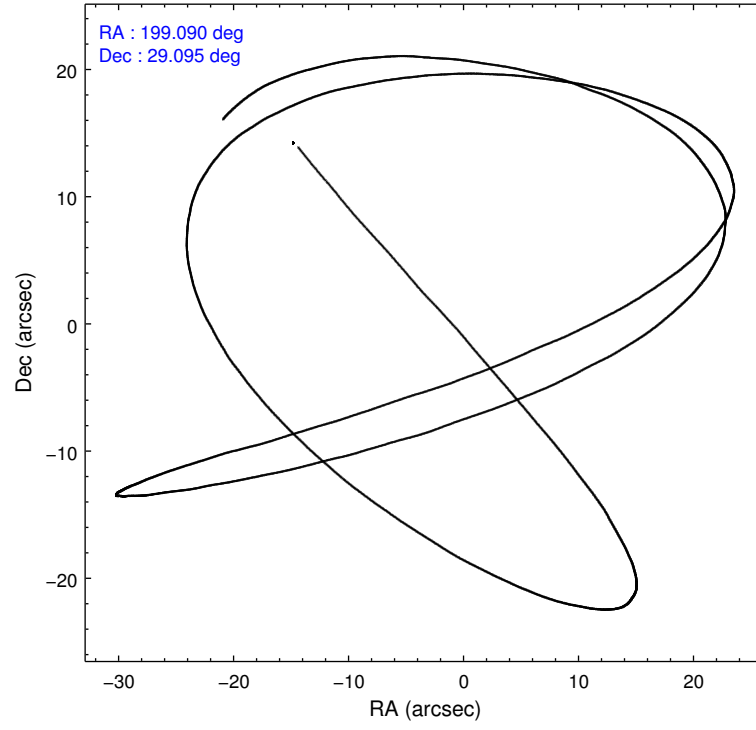
Level 1 Events

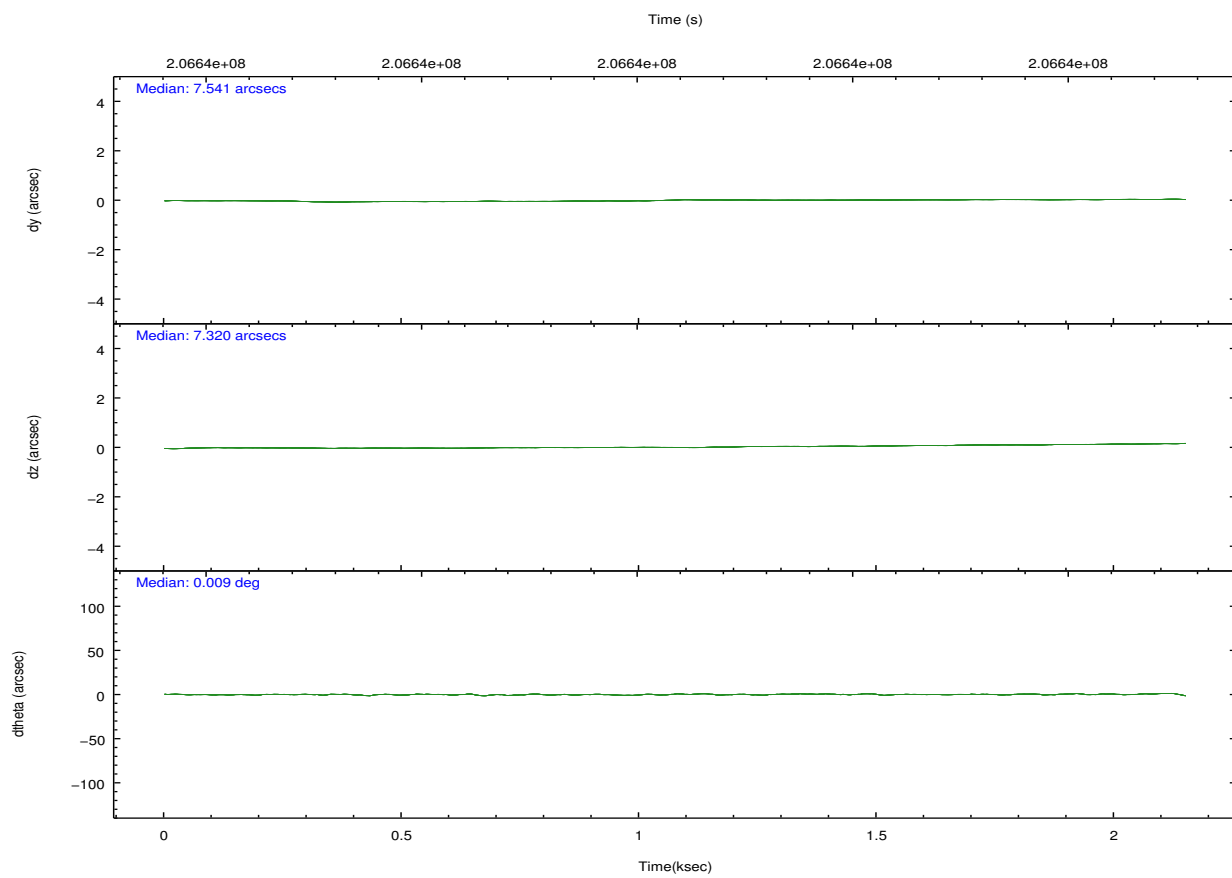
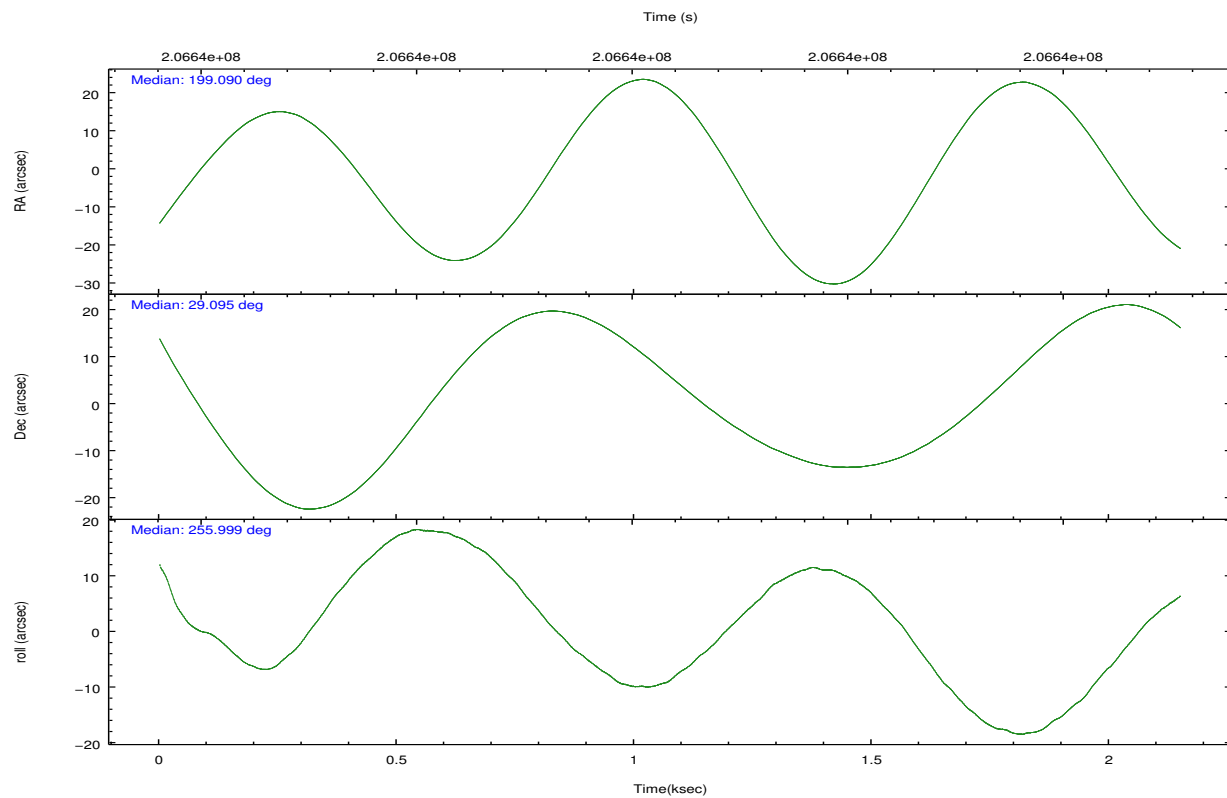
	segment 0
level 1 events	164246
rejected events	48819
rejected %	29%

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	199.079994	199.0896106791426			
[deg] Pointing Dec	29.121530	29.09554011002554			
[deg] Pointing Roll	256.103858	256.0036838282707			
[s] Window start time (MET)	202435264.184000	202435264.184000			
[s] Window stop time (MET)	207619264.184000	207619264.184000			
[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)	206642199.184000	206641053.41055			
Observation start date	2004-07-19T16:35:35	2004-07-19T16:17:33			
[s] Observation end time (MET)	206644168.184000	206644303.1732			
Observation end date	2004-07-19T17:08:24	2004-07-19T17:11:43			

2.3 Aspect



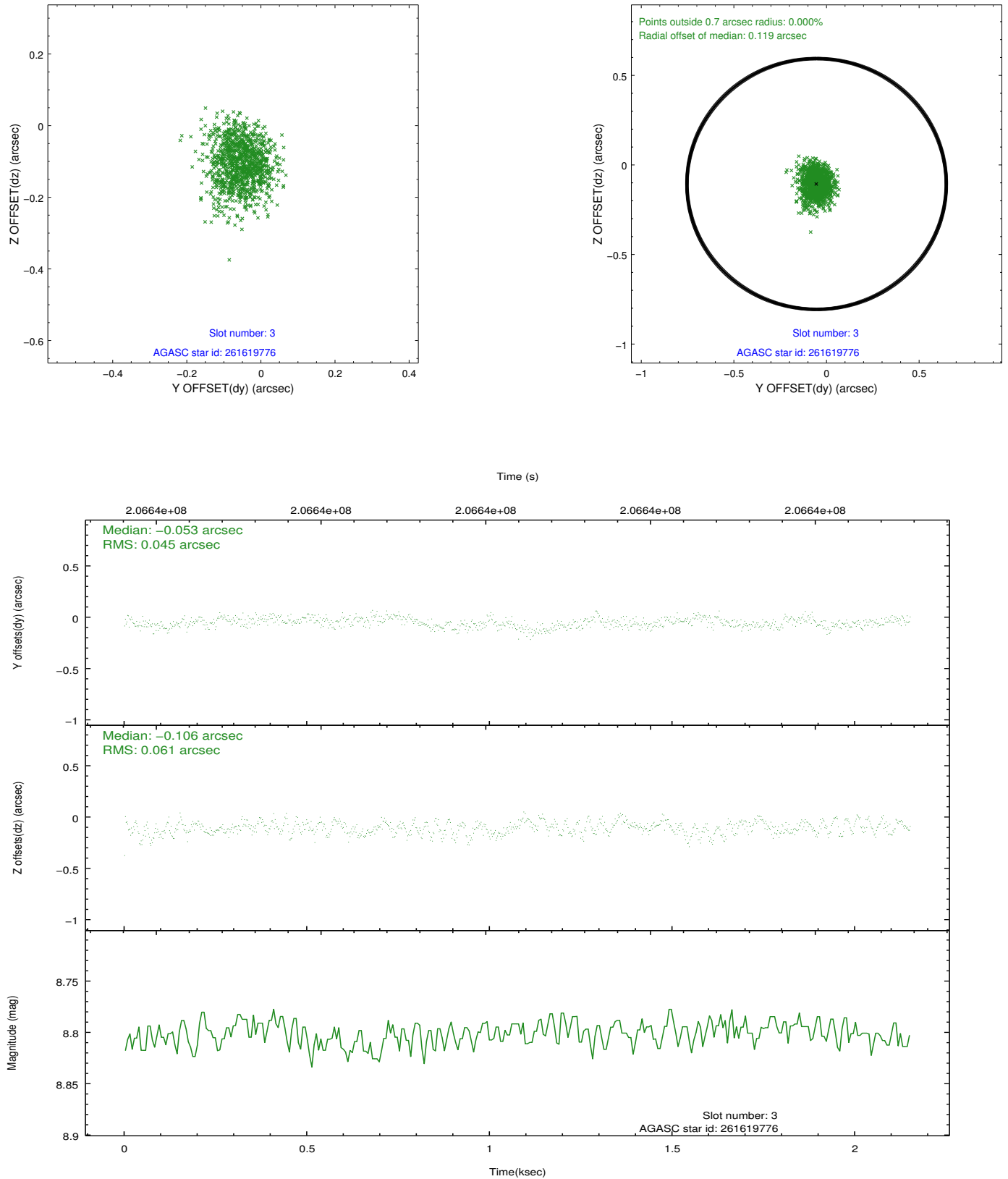


Slot Statistics

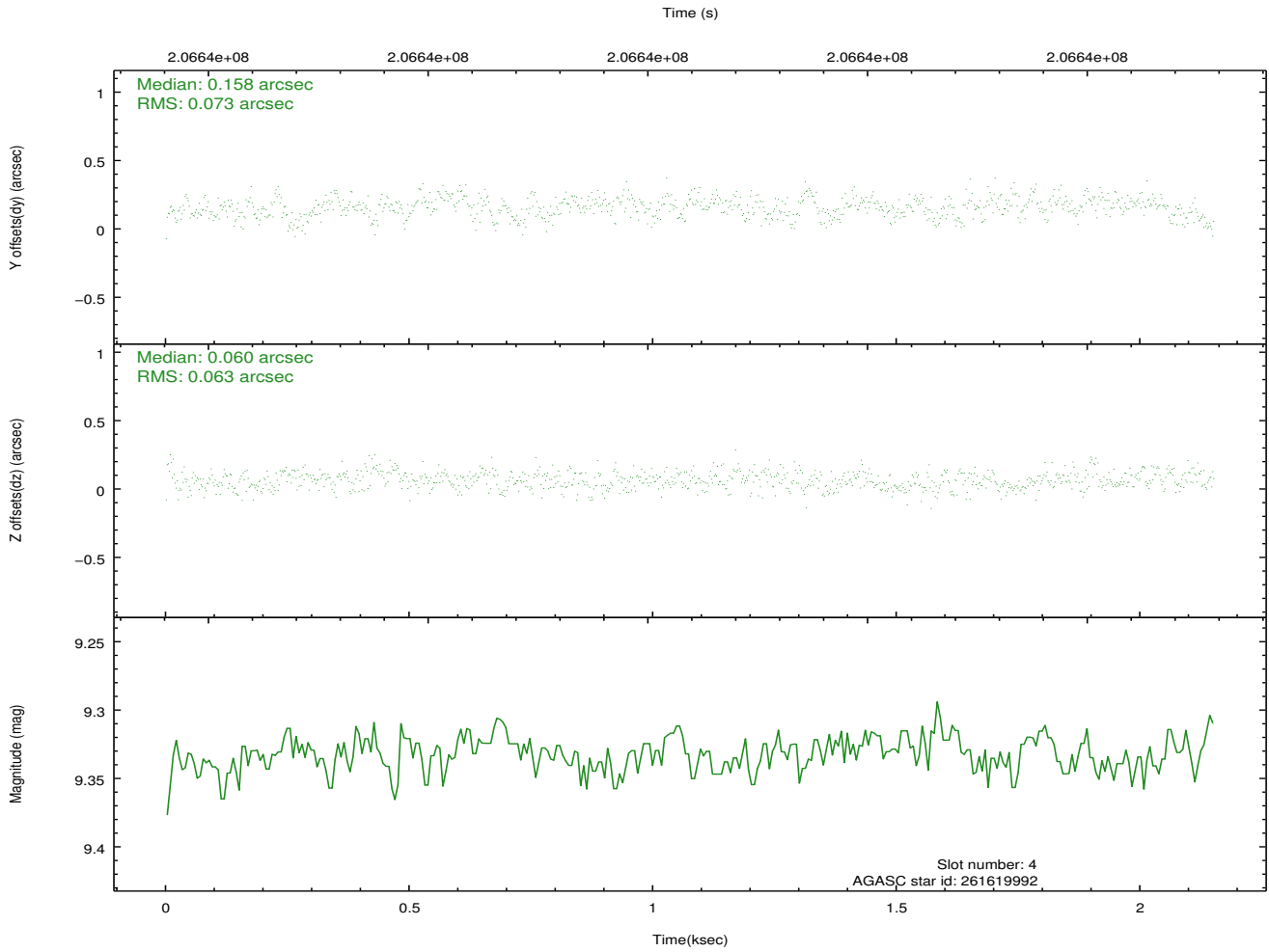
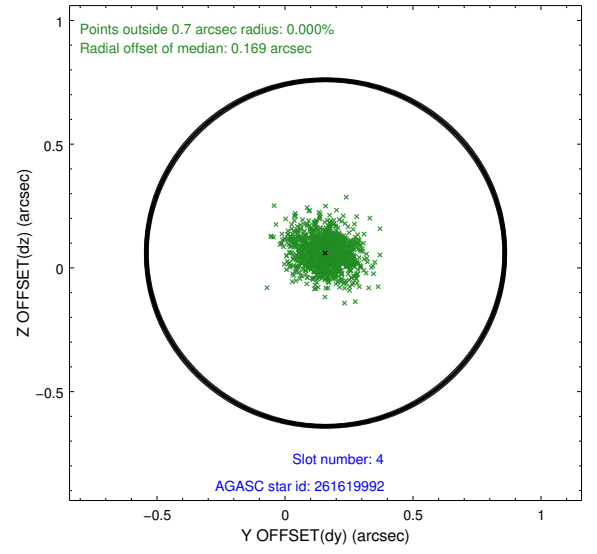
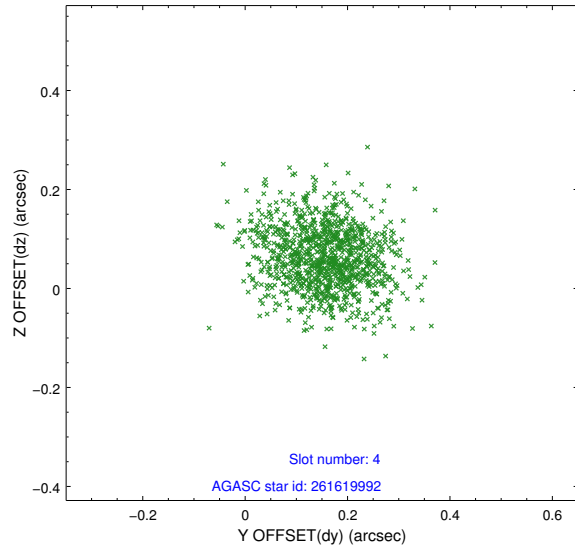
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	525	0.070	-0.032	0.007	0.012	0.000000	0.000000	849.55	-1296.82
1	FID	HRC-I-3	7.04	525	-0.051	-0.000	0.007	0.011	0.000000	0.000000	-1190.04	1006.91
2	FID	HRC-I-4	6.99	525	0.099	-0.056	0.006	0.010	0.000000	0.000000	1277.51	1008.81
3	GUIDE	261619776	8.80	1050	-0.053	-0.106	0.081	0.131	198.654383	29.401174	-658.55	-1539.24
4	GUIDE	261619992	9.33	1050	0.158	0.060	0.100	0.165	198.395553	28.647634	2169.35	-1693.36
5	GUIDE	261623040	9.12	1050	-0.136	0.026	0.070	0.120	198.792686	29.757643	-2006.10	-1424.88
6	GUIDE	261623624	9.12	1048	0.133	0.055	0.075	0.127	199.611555	28.454113	1923.06	2207.09
7	GUIDE	261629720	8.10	1049	-0.093	-0.039	0.058	0.098	199.236176	29.044452	152.97	544.58

2.4 Star Slots

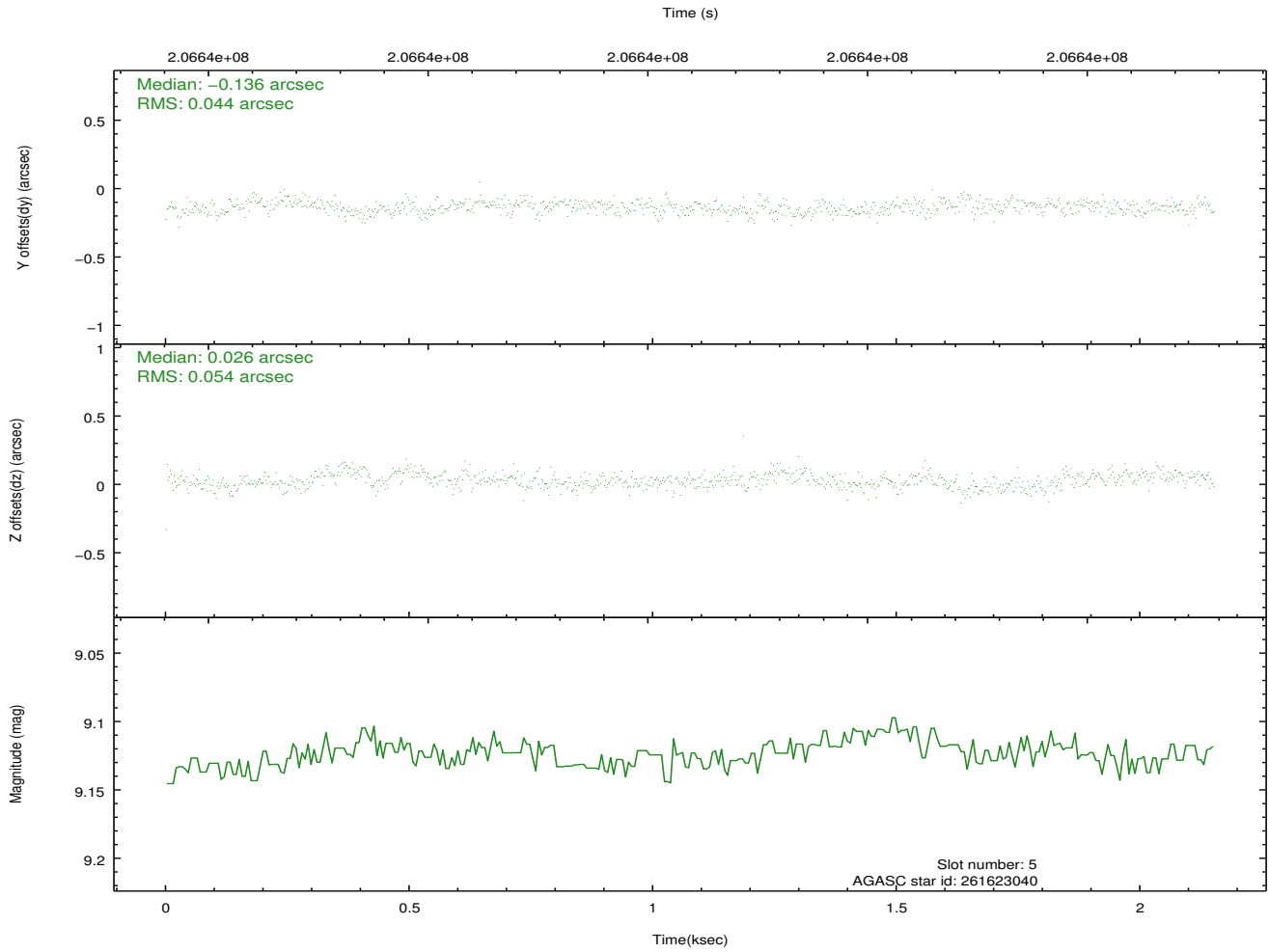
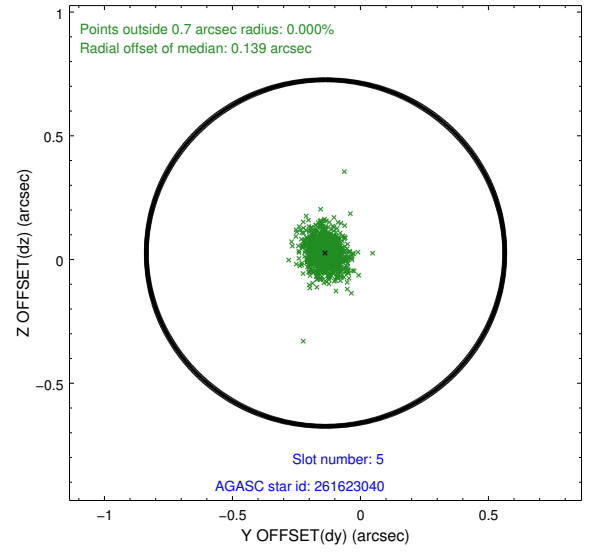
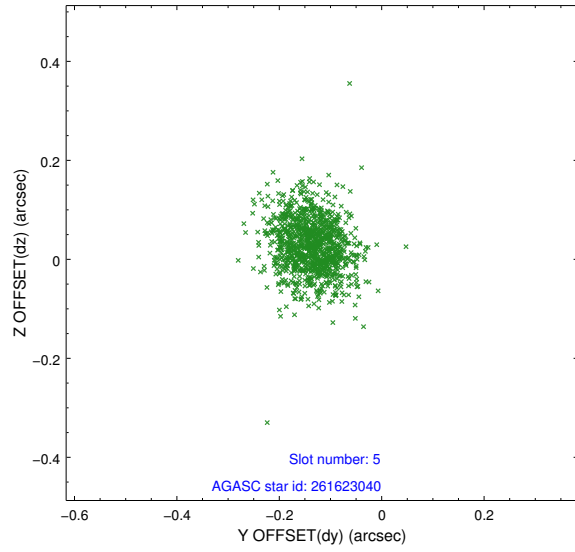
2.4.1 Slot 3



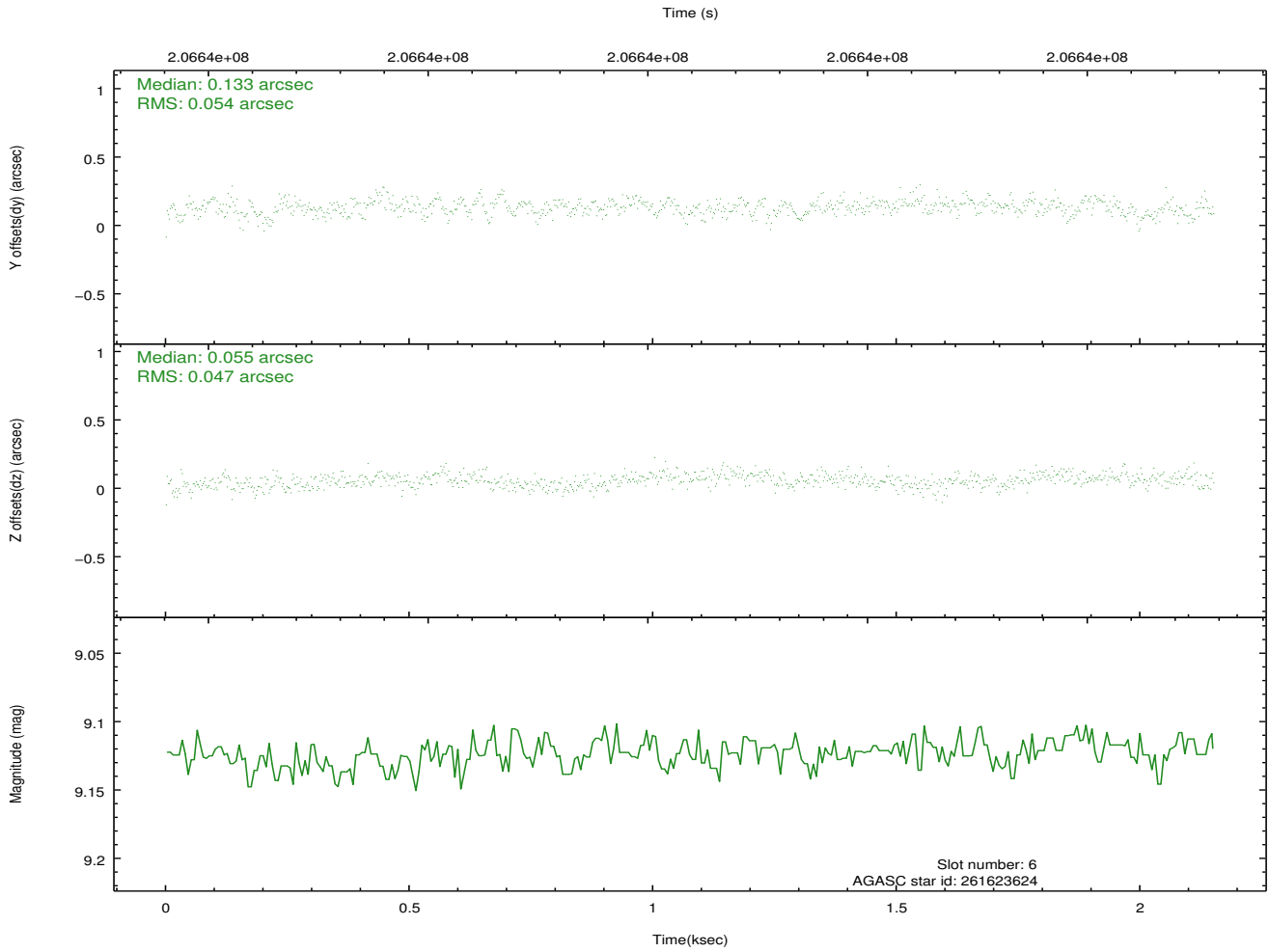
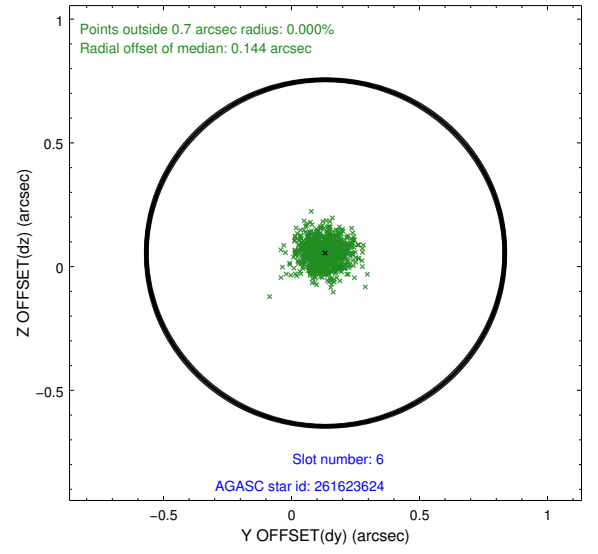
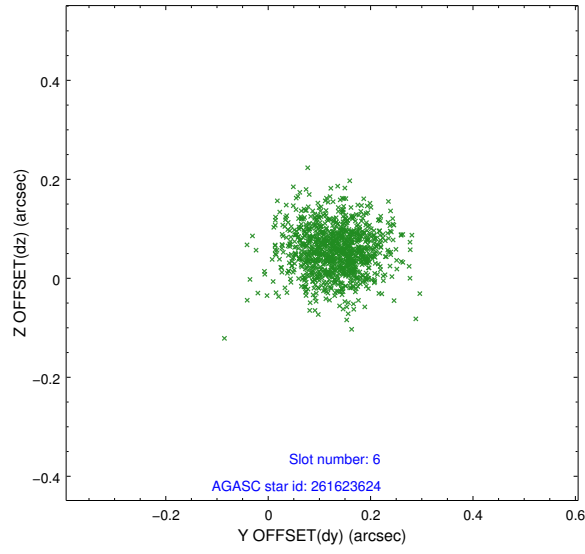
2.4.2 Slot 4



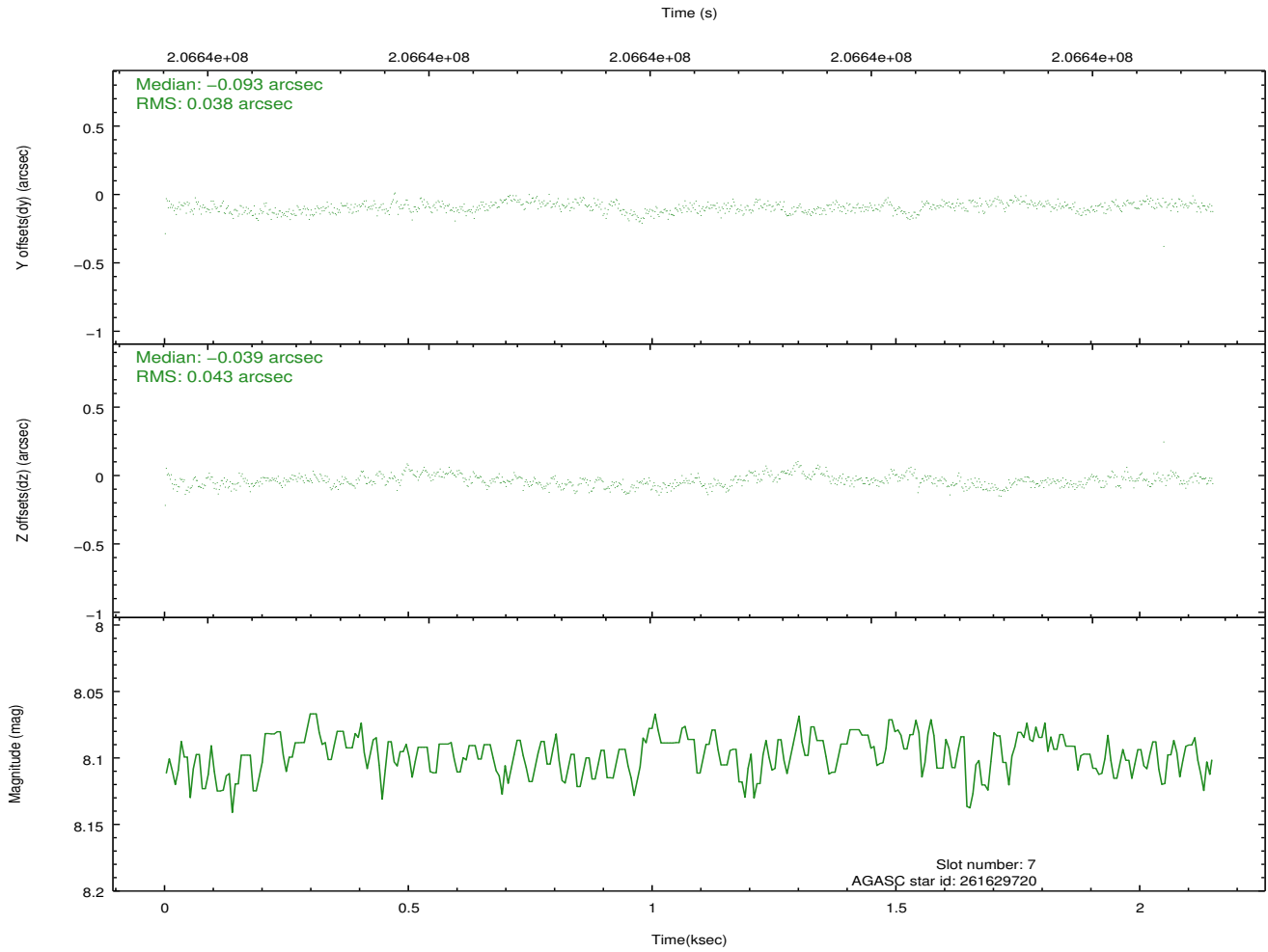
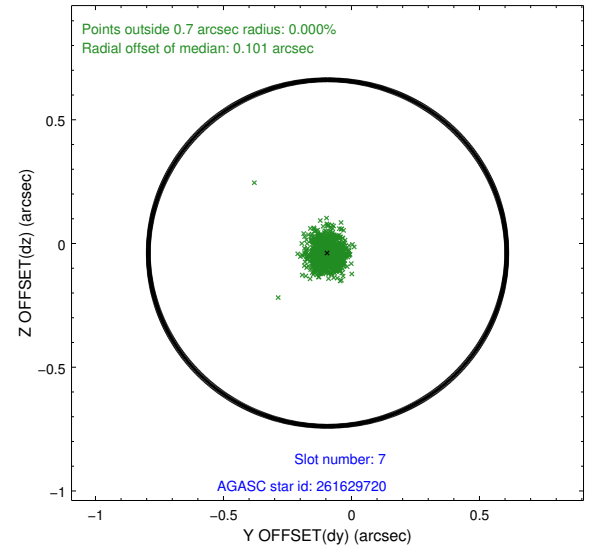
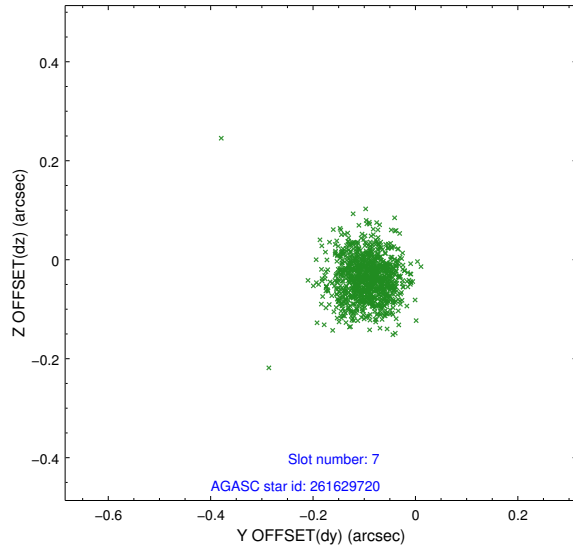
2.4.3 Slot 5



2.4.4 Slot 6

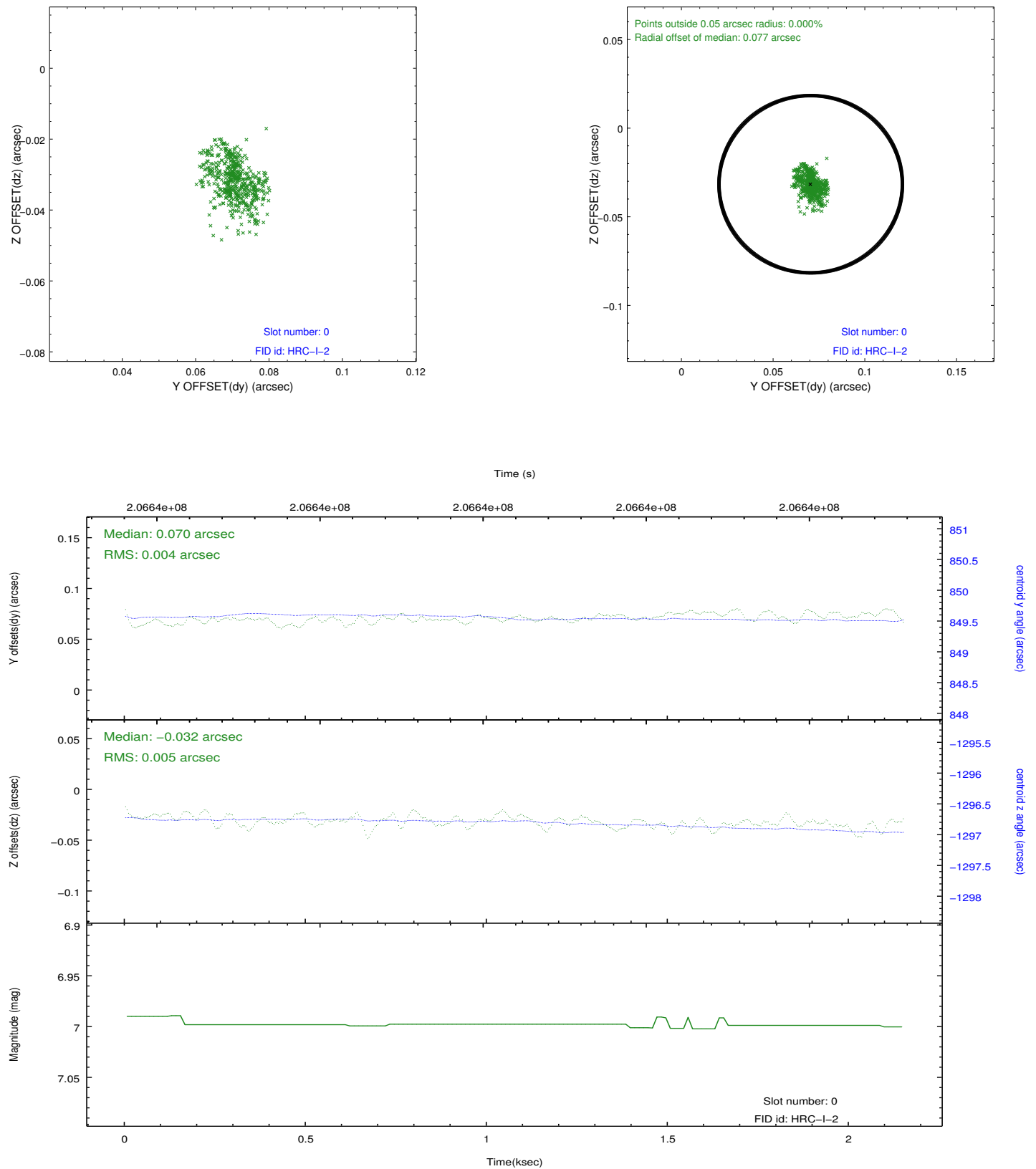


2.4.5 Slot 7

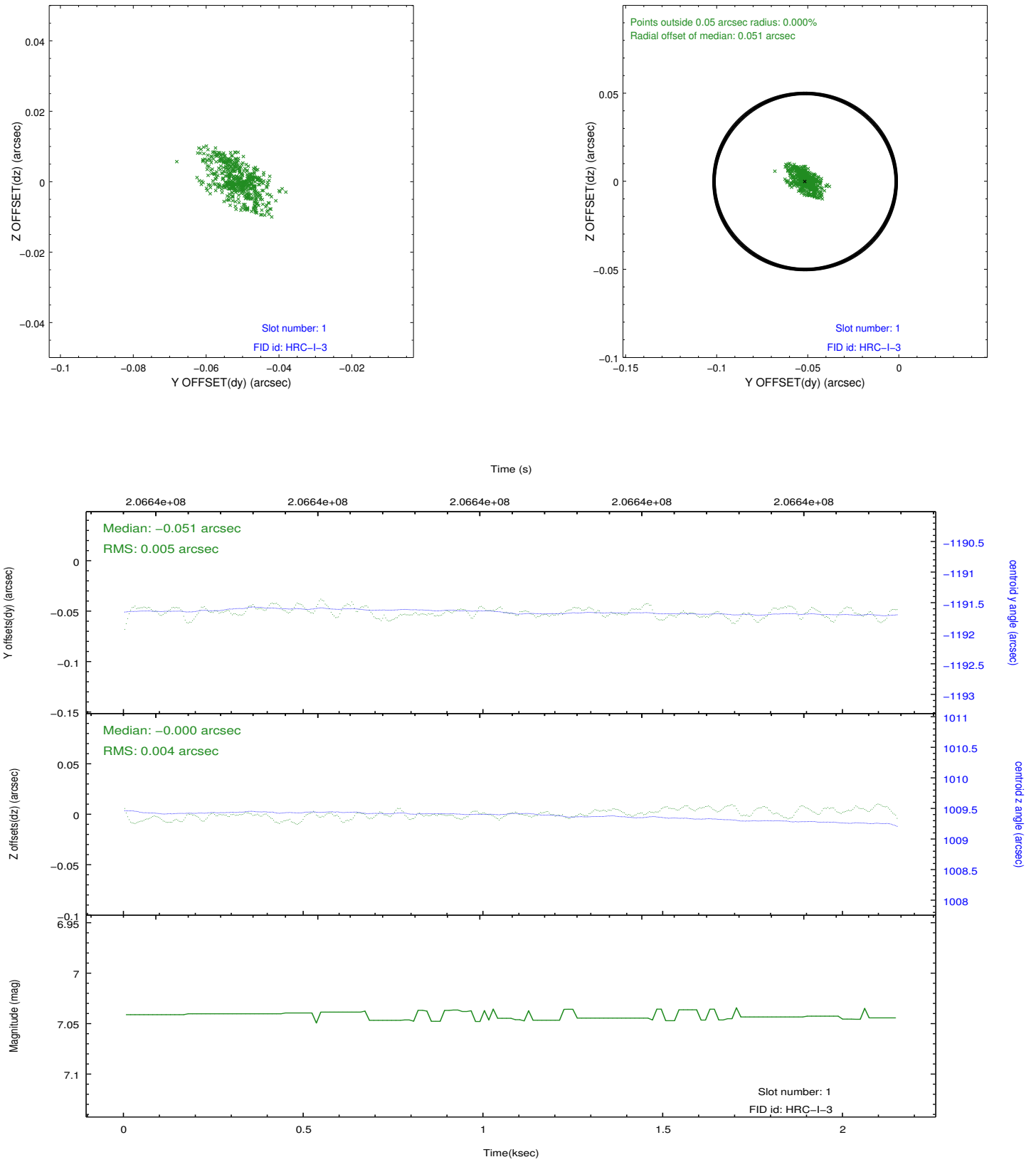


2.5 FID Slots

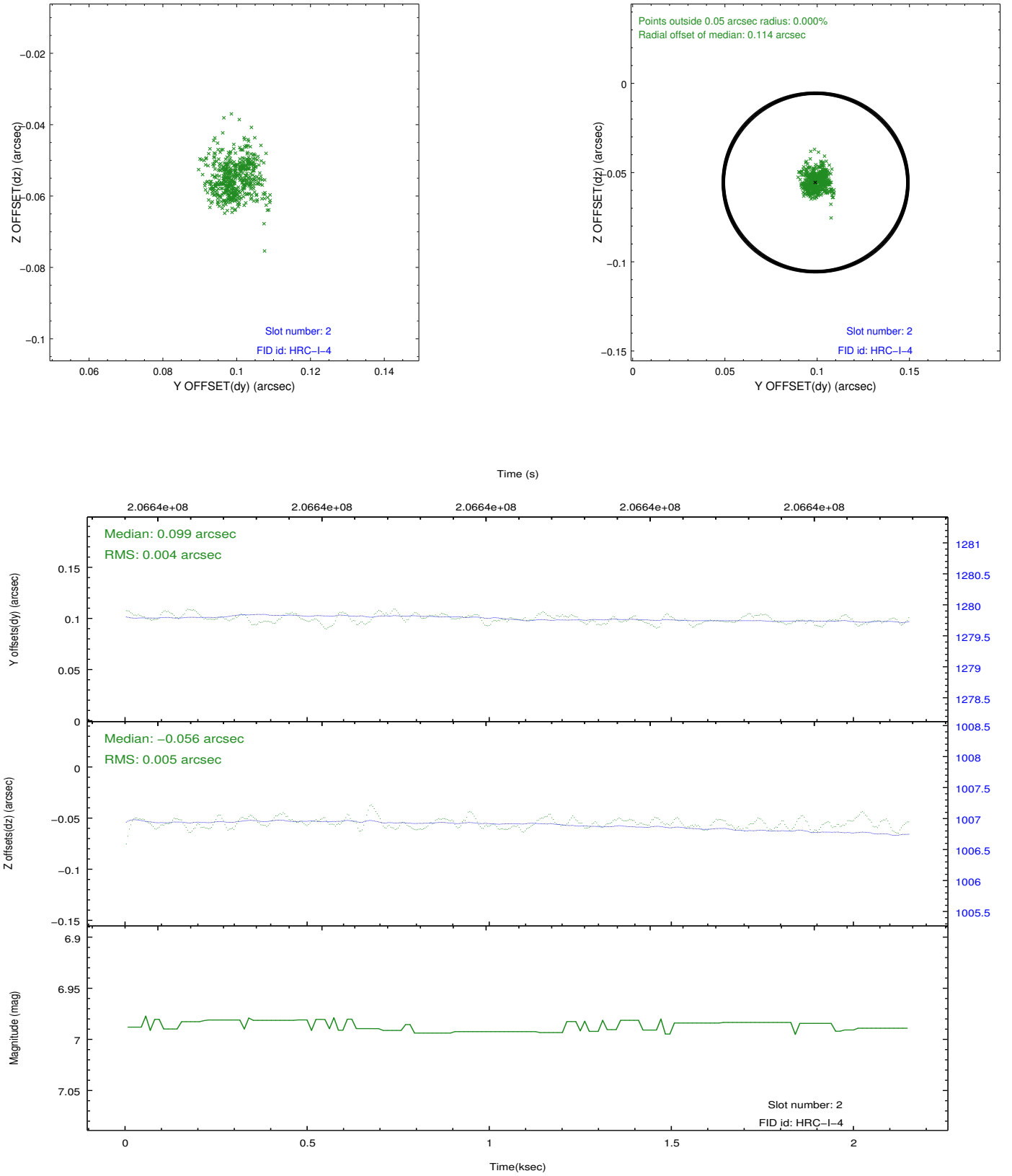
2.5.1 Slot 0



2.5.2 Slot 1

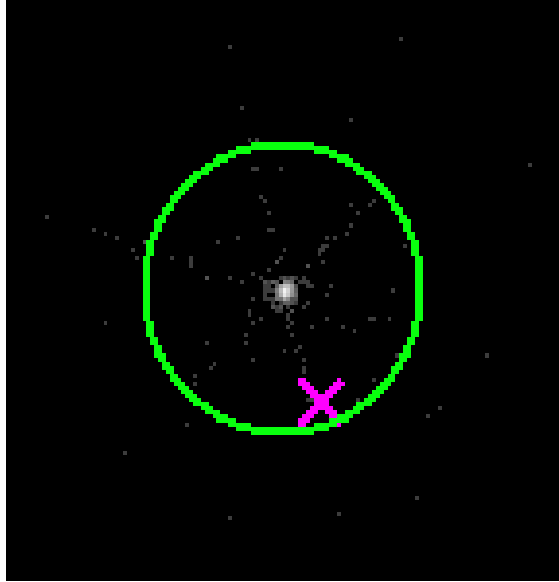


2.5.3 Slot 2

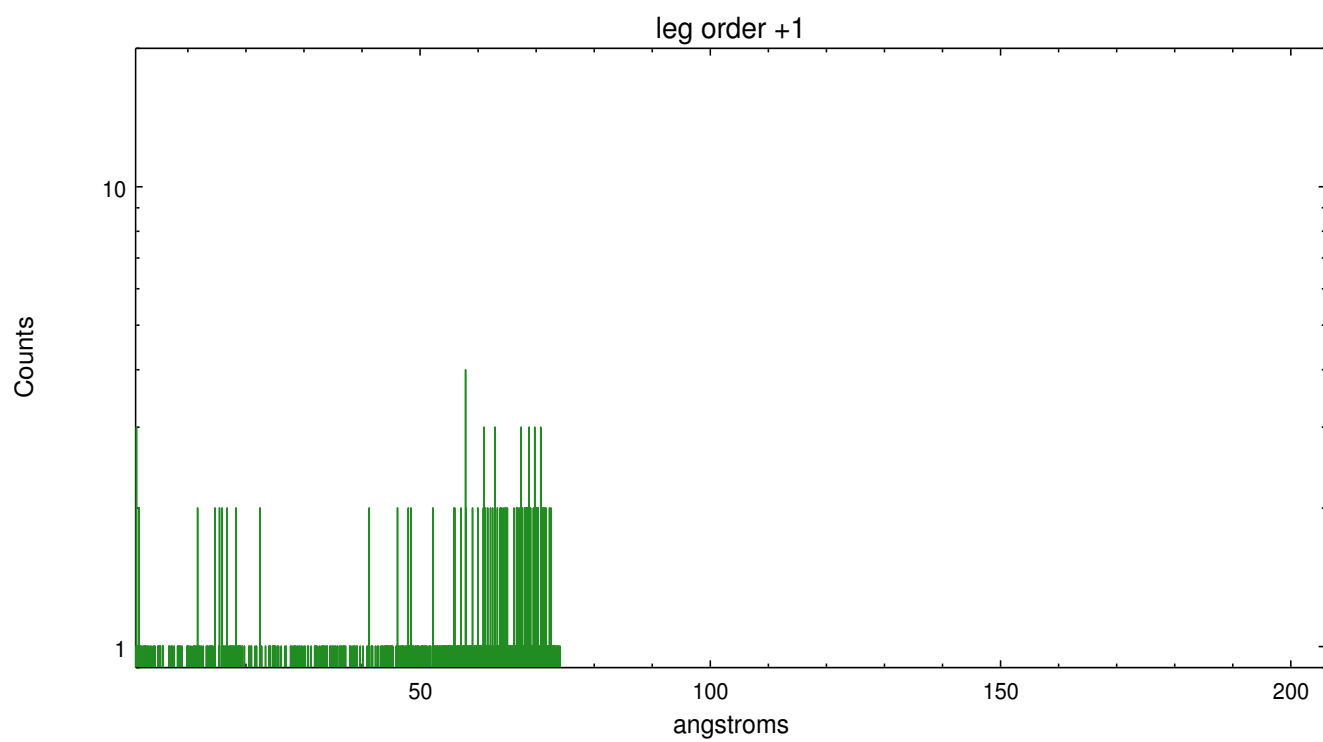
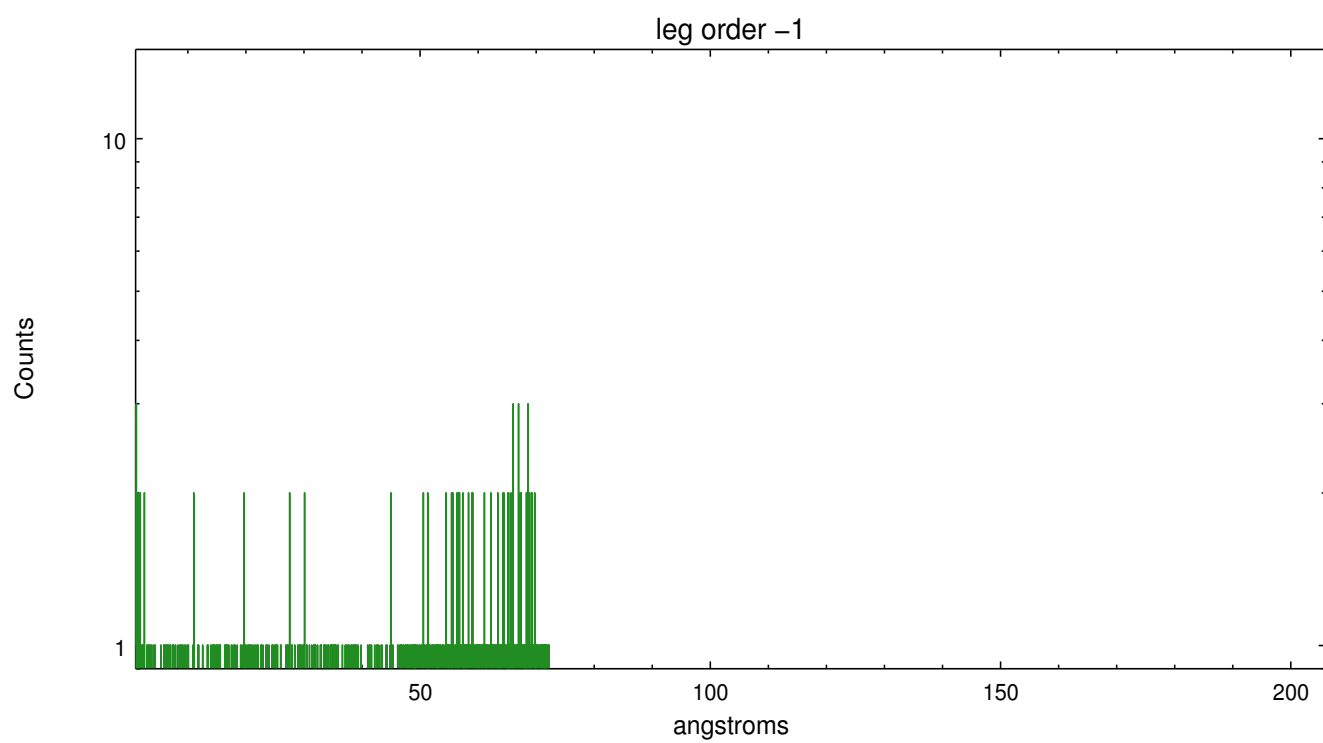


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.147

A.2 Comments