

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10665 - L2 Version 2
Chandra X-Ray Center

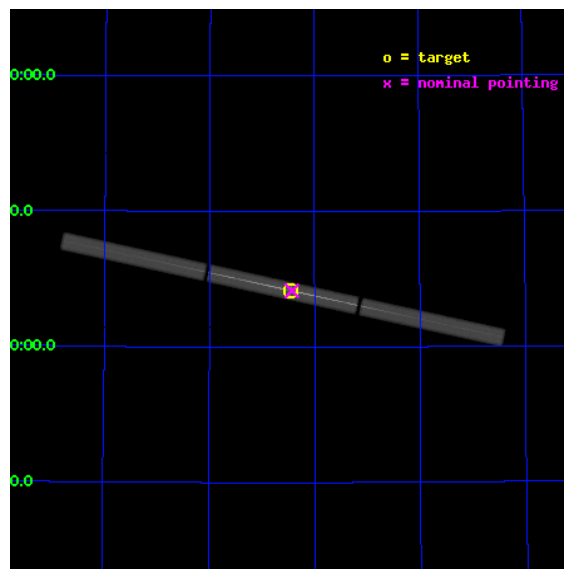
L2 Processing Date : Jun 27 2012

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1 Front

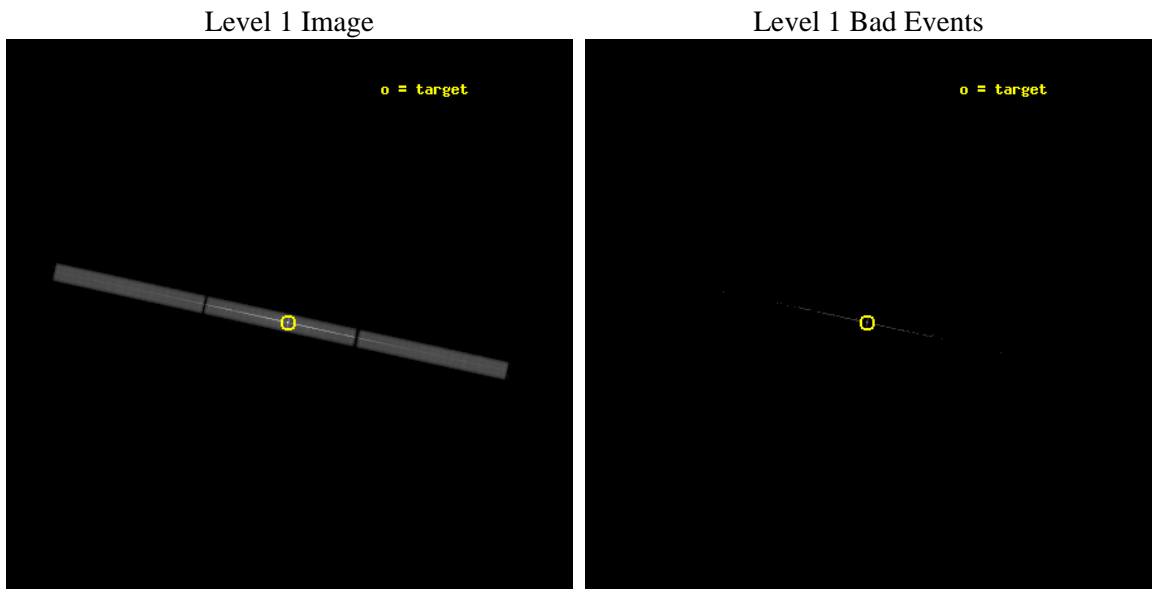
seq_num	790202	Sequence number
obs_id	10665	Observation id
title	AO-10 Calibration Observations of PKS2155-304	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Mkn421	Source name
ra_targ	166.113333	Observer's specified target RA [deg]
dec_targ	38.208806	Observer's specified target Dec [deg]
ra_nom	166.10719420695	Nominal RA [deg]
dec_nom	38.207852287049	Nominal Dec [deg]
roll_nom	192.16239238377	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10146.731764853	[s]
livetime	10011.201422427	Ontime multiplied by DTCOR
l2events	1342936	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10146.731764853	[s]
caldsver	4.5.0	 	l1events	1604254	Number of level 1 events
date	2012-06-27T18:12:57	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

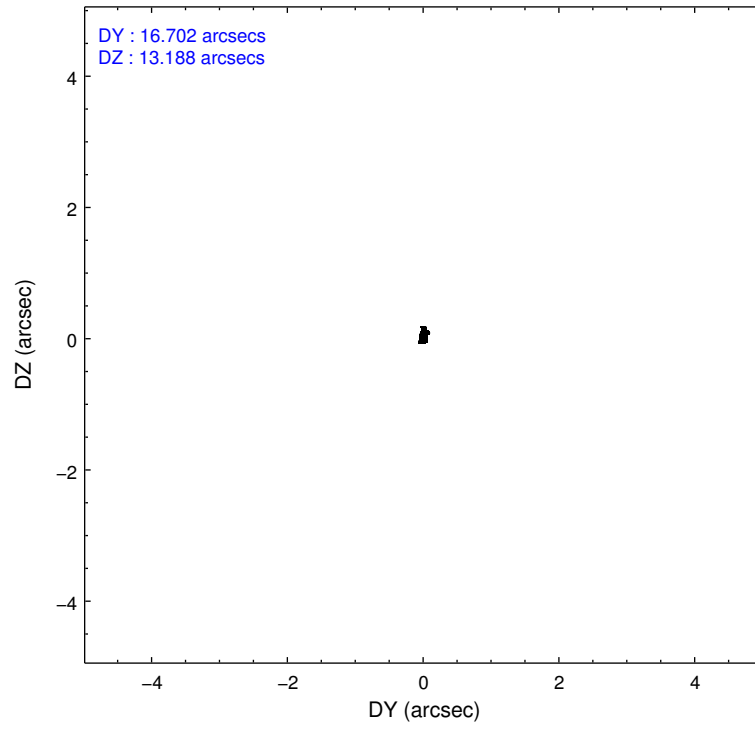
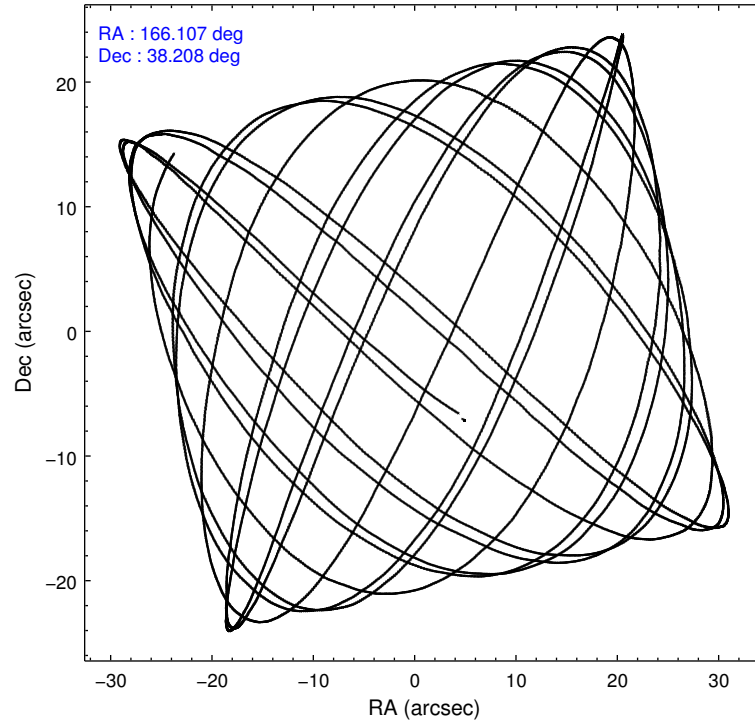
Level 1 Events

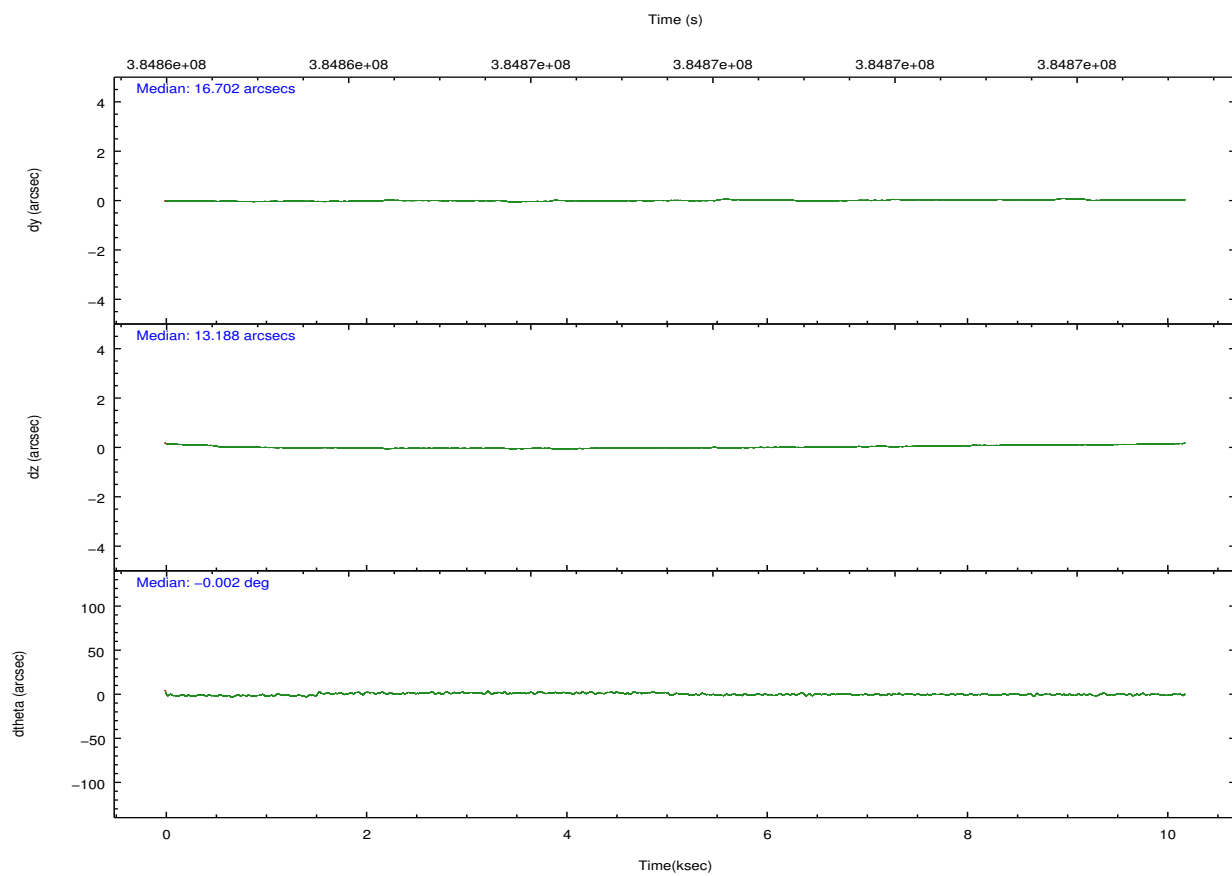
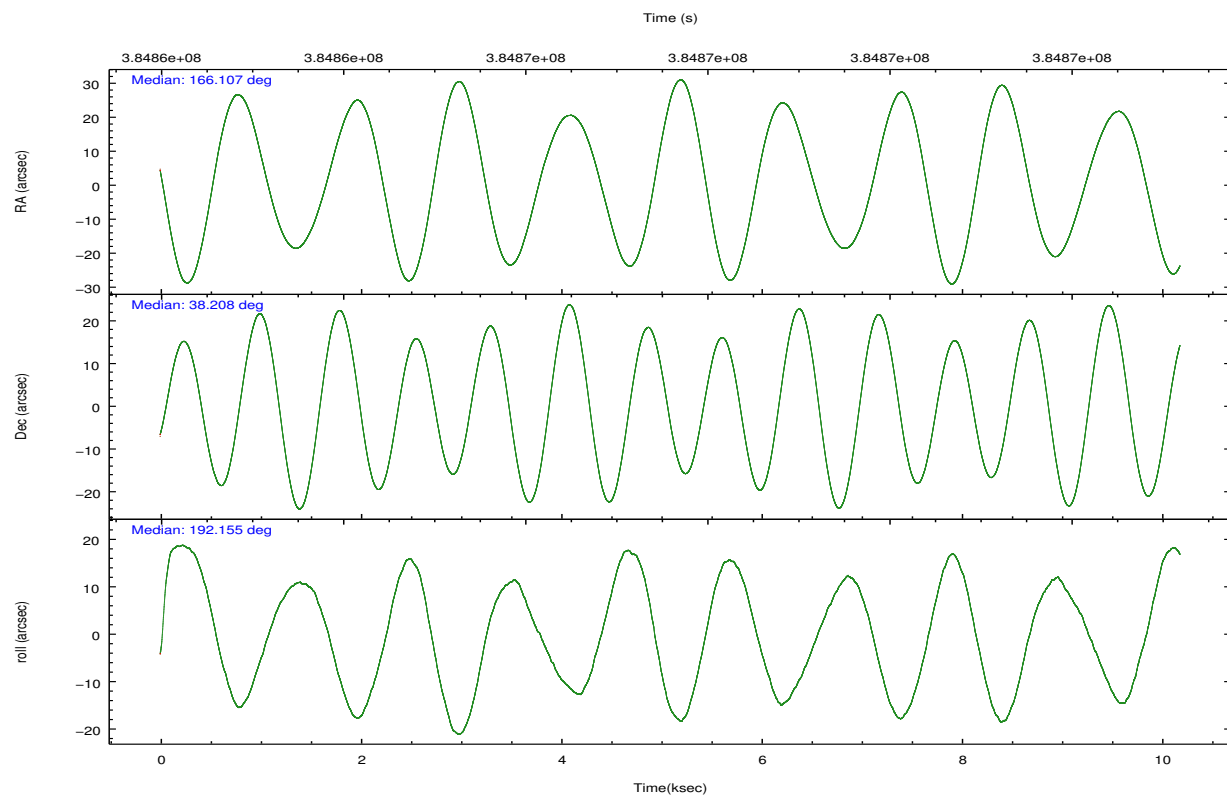
	segment 1	segment 2	segment 3
level 1 events	389489	816210	398555
rejected events	2123	4336	2347
rejected %	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	166.133226	166.1071942069534			
[deg] Pointing Dec	38.228170	38.20785228704911			
[deg] Pointing Roll	192.078962	192.1623923837728			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	384862667.184000	384862201.76181			
Observation start date	2010-03-13T10:16:41	2010-03-13T10:10:01			
[s] Observation end time (MET)	384872667.184000	384872929.41236			
Observation end date	2010-03-13T13:03:21	2010-03-13T13:08:49			

2.3 Aspect



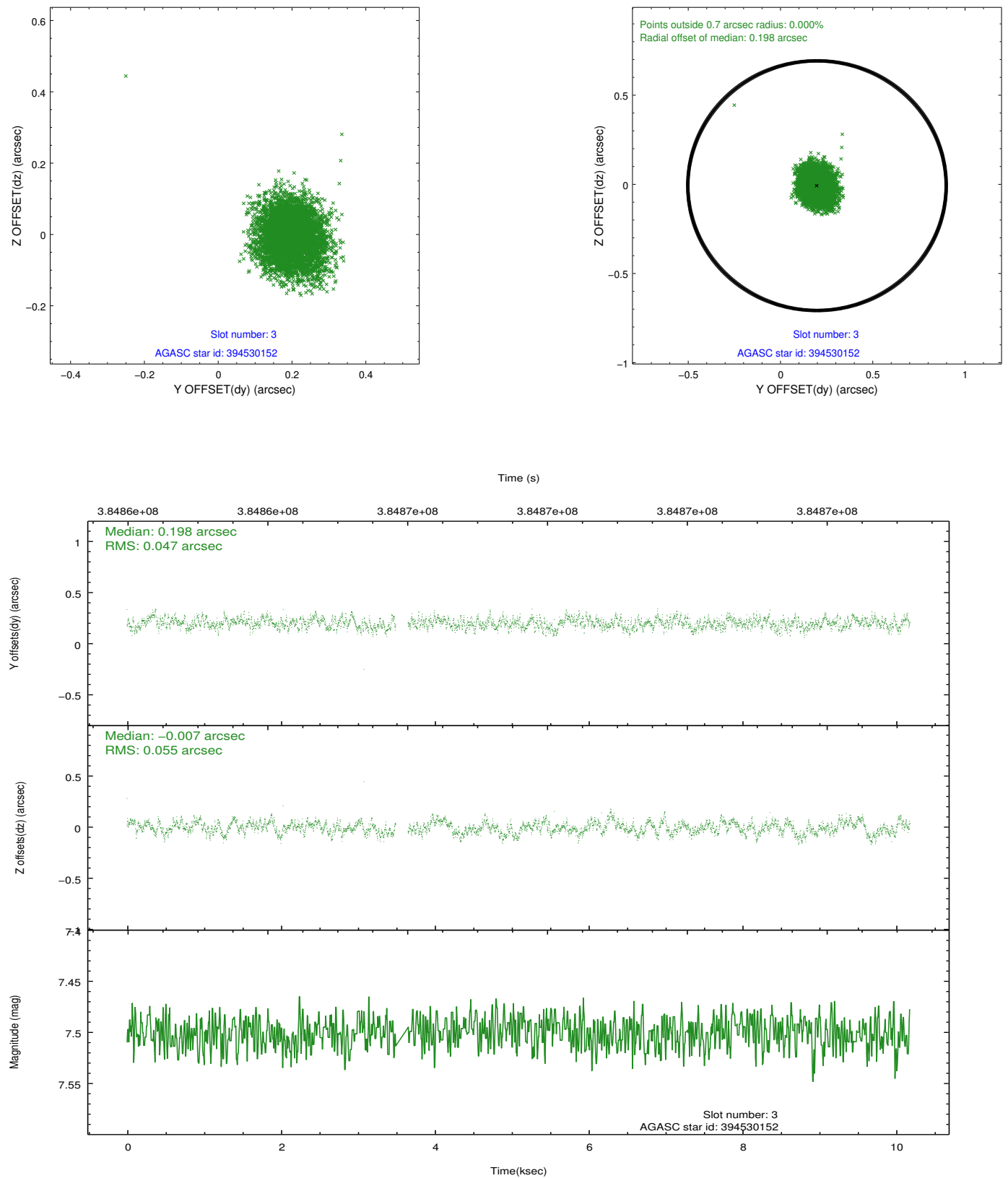


Slot Statistics

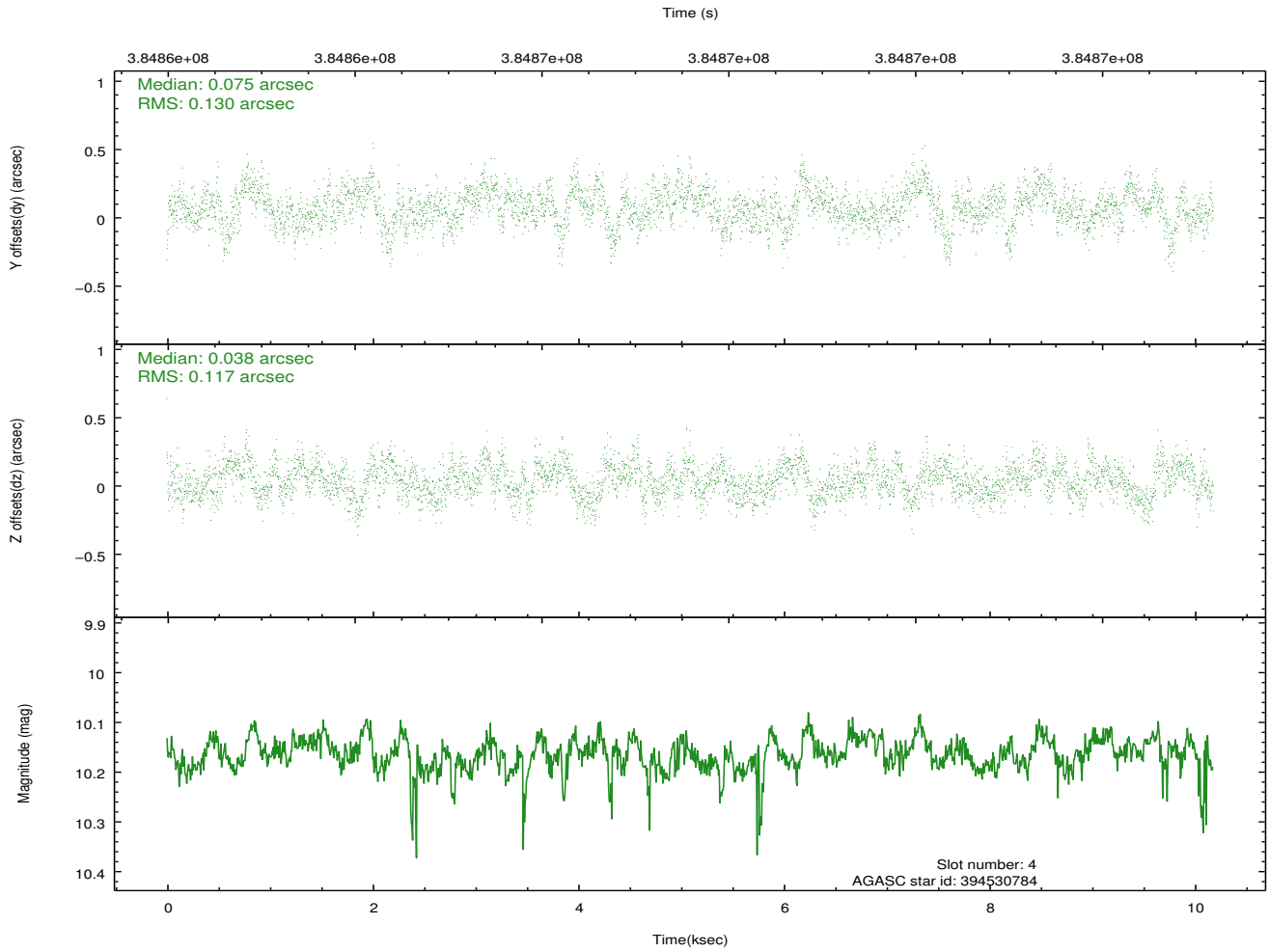
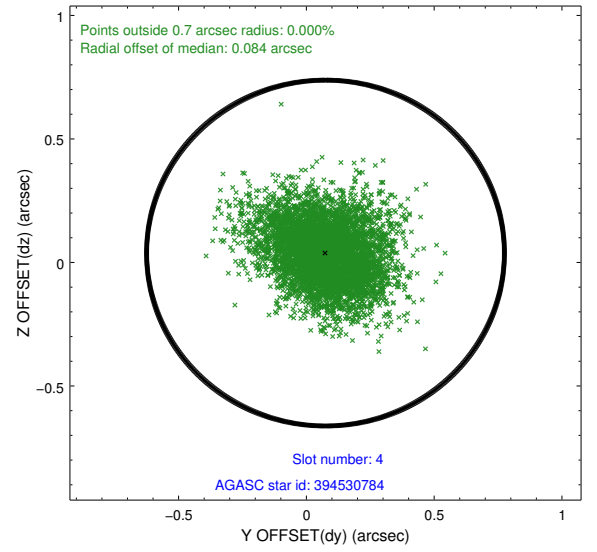
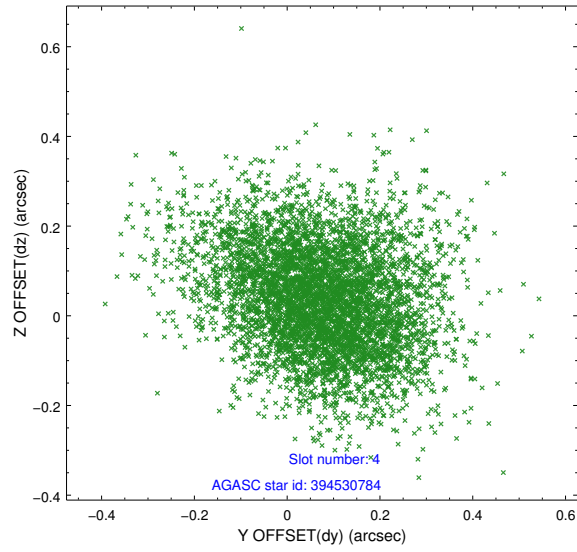
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.99	2484	0.206	-0.069	0.020	0.033	0.000000	0.000000	1228.63	-454.54
1	FID	HRC-S-3	7.03	2484	-0.045	-0.068	0.008	0.014	0.000000	0.000000	-1173.51	567.50
2	FID	HRC-S-4	6.96	2484	0.244	-0.159	0.021	0.034	0.000000	0.000000	1226.80	570.32
3	GUIDE	394530152	7.50	4891	0.198	-0.007	0.078	0.123	166.075805	38.868252	-324.21	-2286.54
4	GUIDE	394530784	10.16	4964	0.075	0.038	0.184	0.308	165.569172	38.418674	1411.18	-1008.21
5	GUIDE	394543960	9.80	4960	0.042	0.003	0.132	0.216	165.802757	37.787371	1251.16	1353.68
6	GUIDE	394546712	6.62	4968	-0.261	0.206	0.090	0.145	166.451462	38.394357	-1002.86	-397.92
7	GUIDE	394528824	10.04	4950	-0.059	-0.240	0.200	0.310	165.824970	38.140431	918.82	124.98

2.4 Star Slots

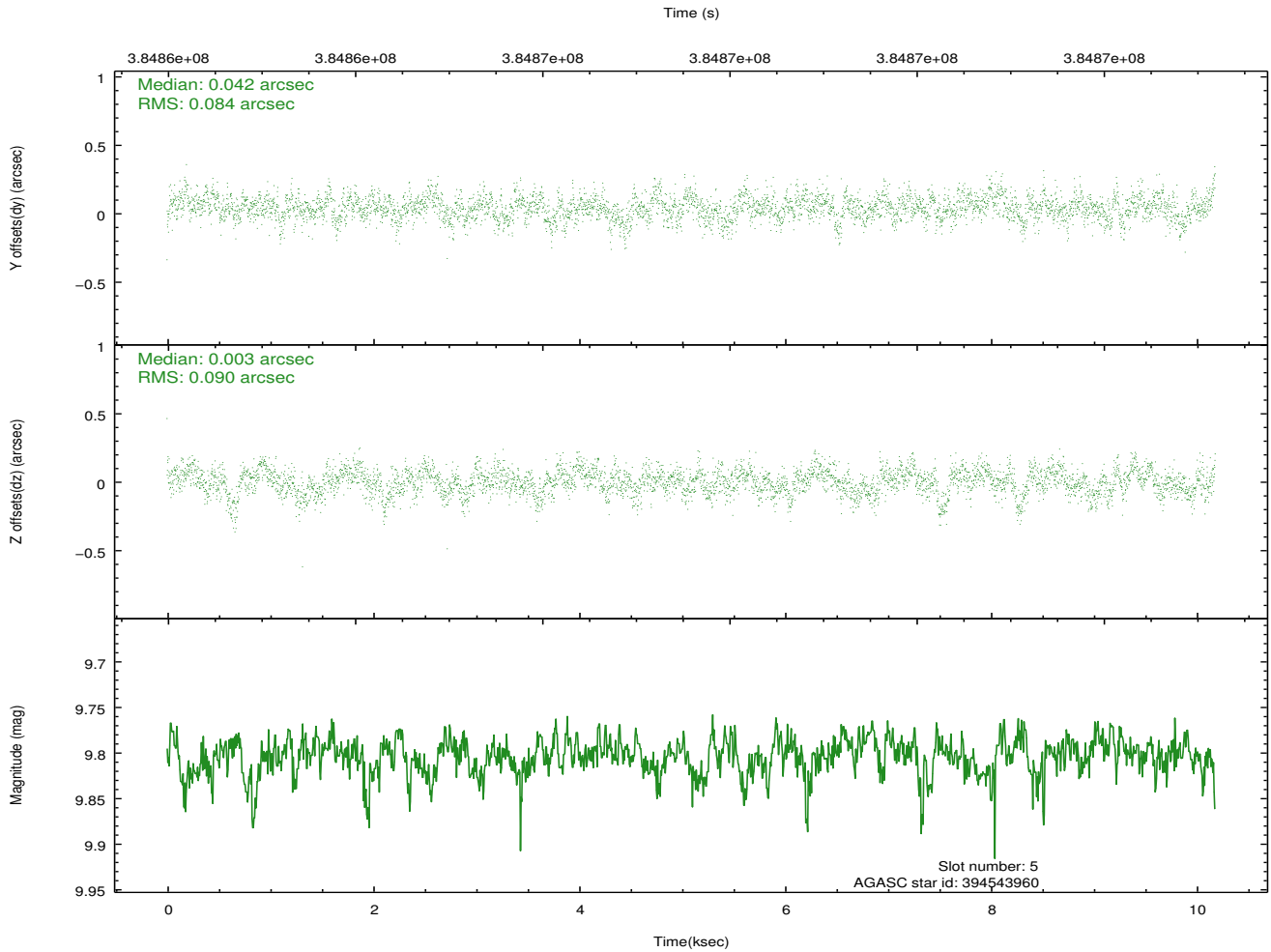
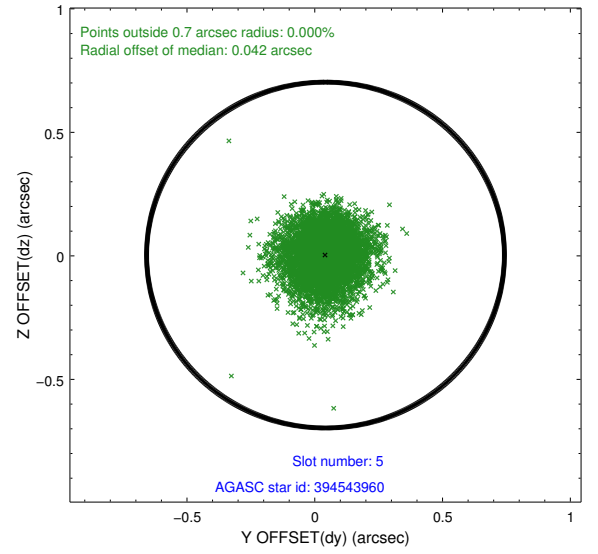
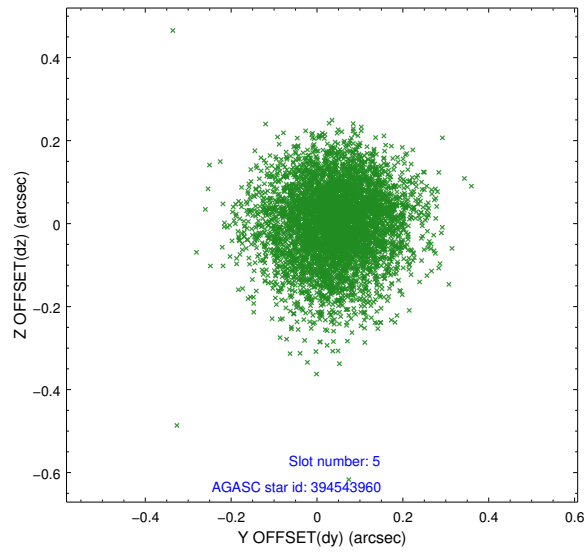
2.4.1 Slot 3



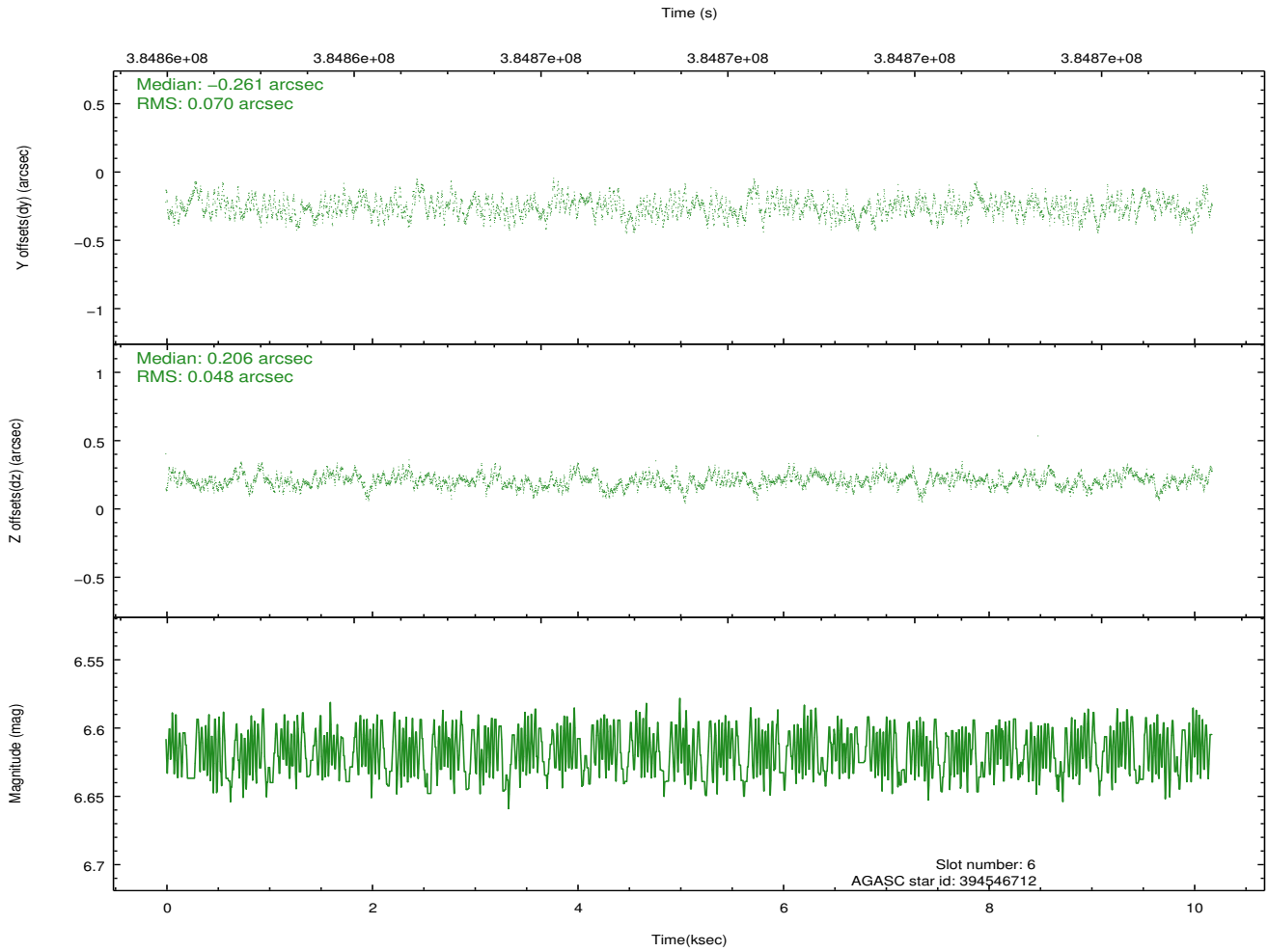
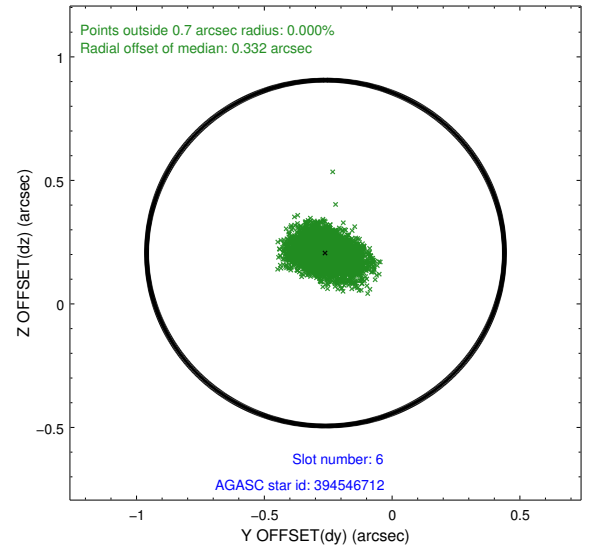
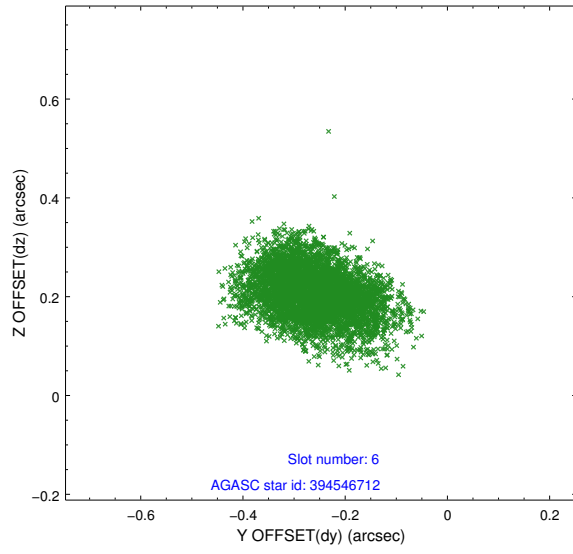
2.4.2 Slot 4



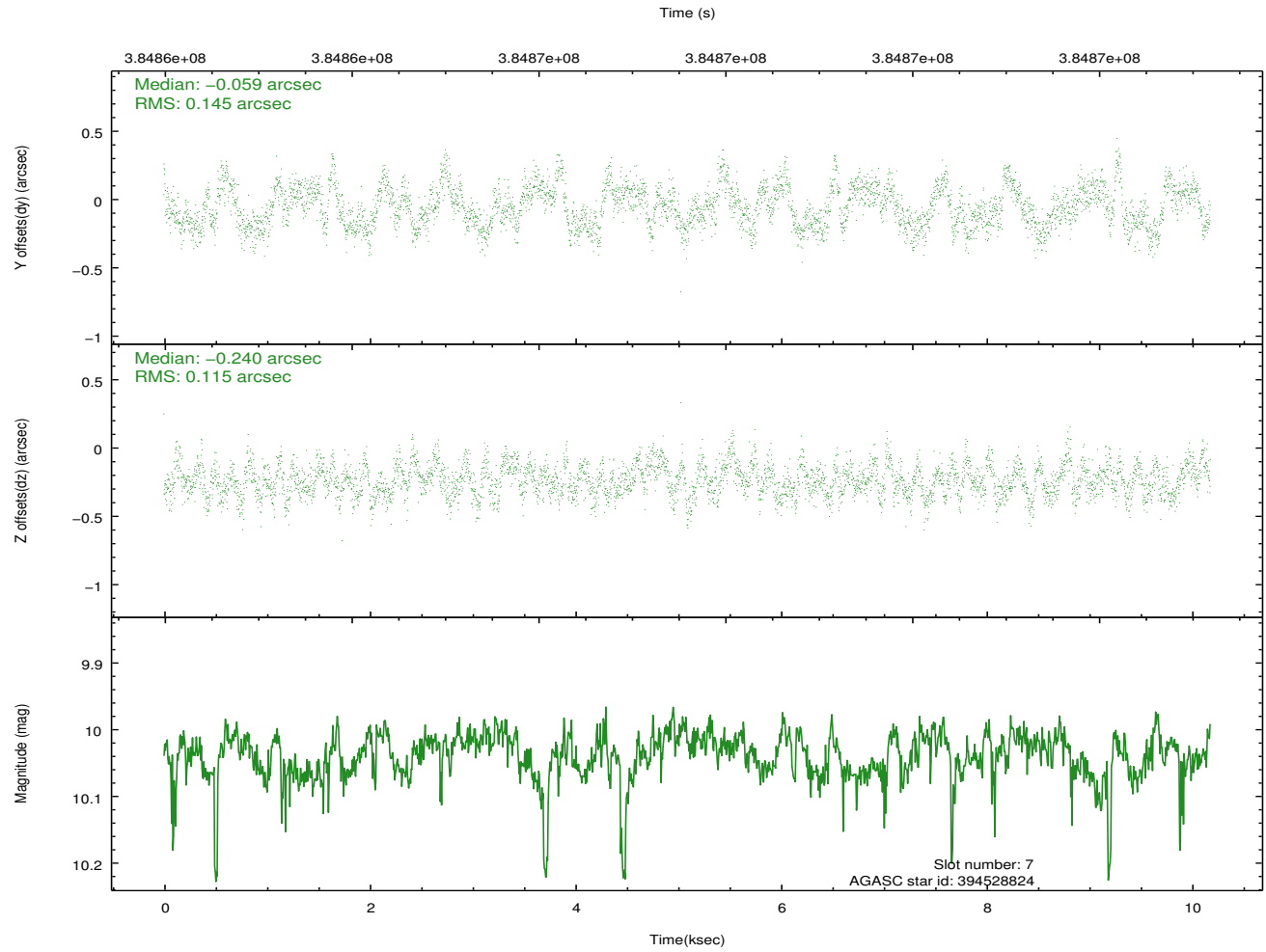
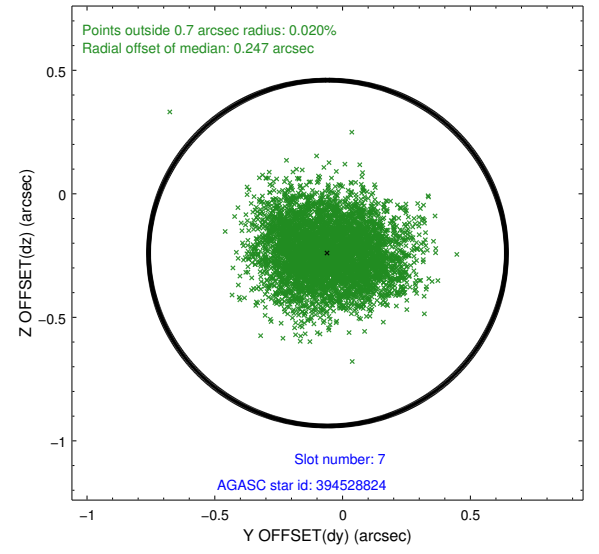
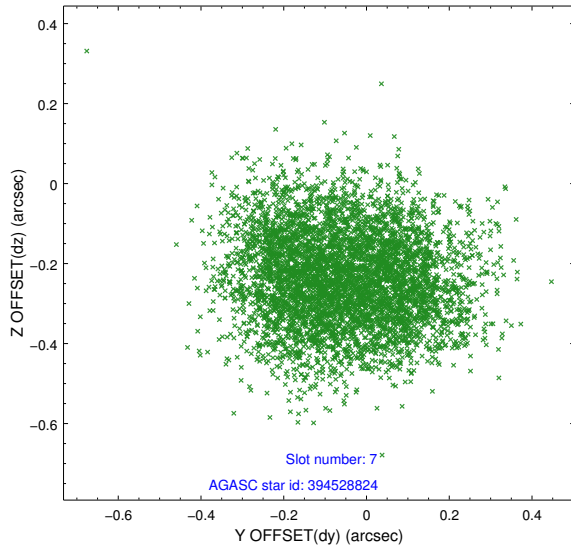
2.4.3 Slot 5



2.4.4 Slot 6

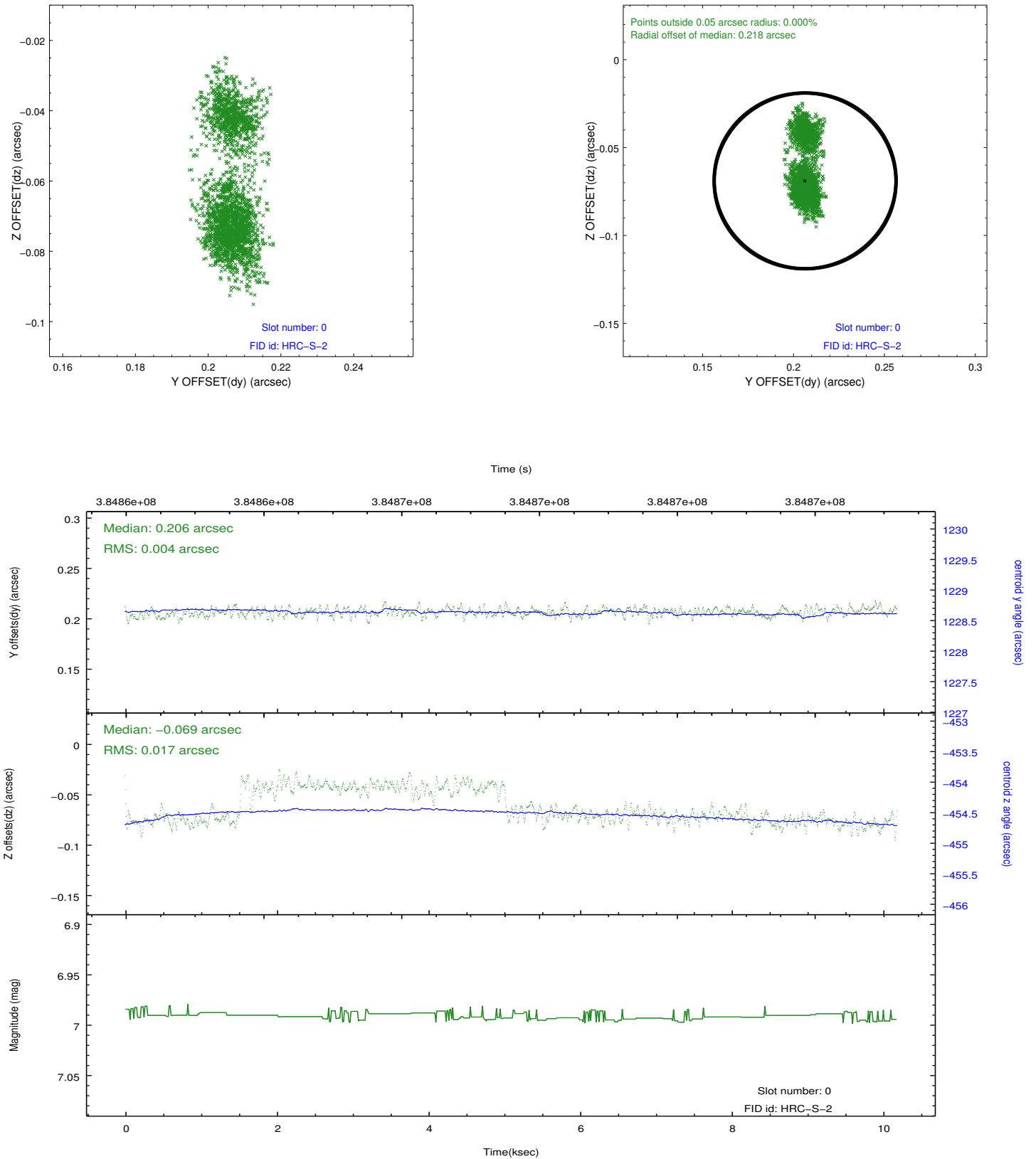


2.4.5 Slot 7

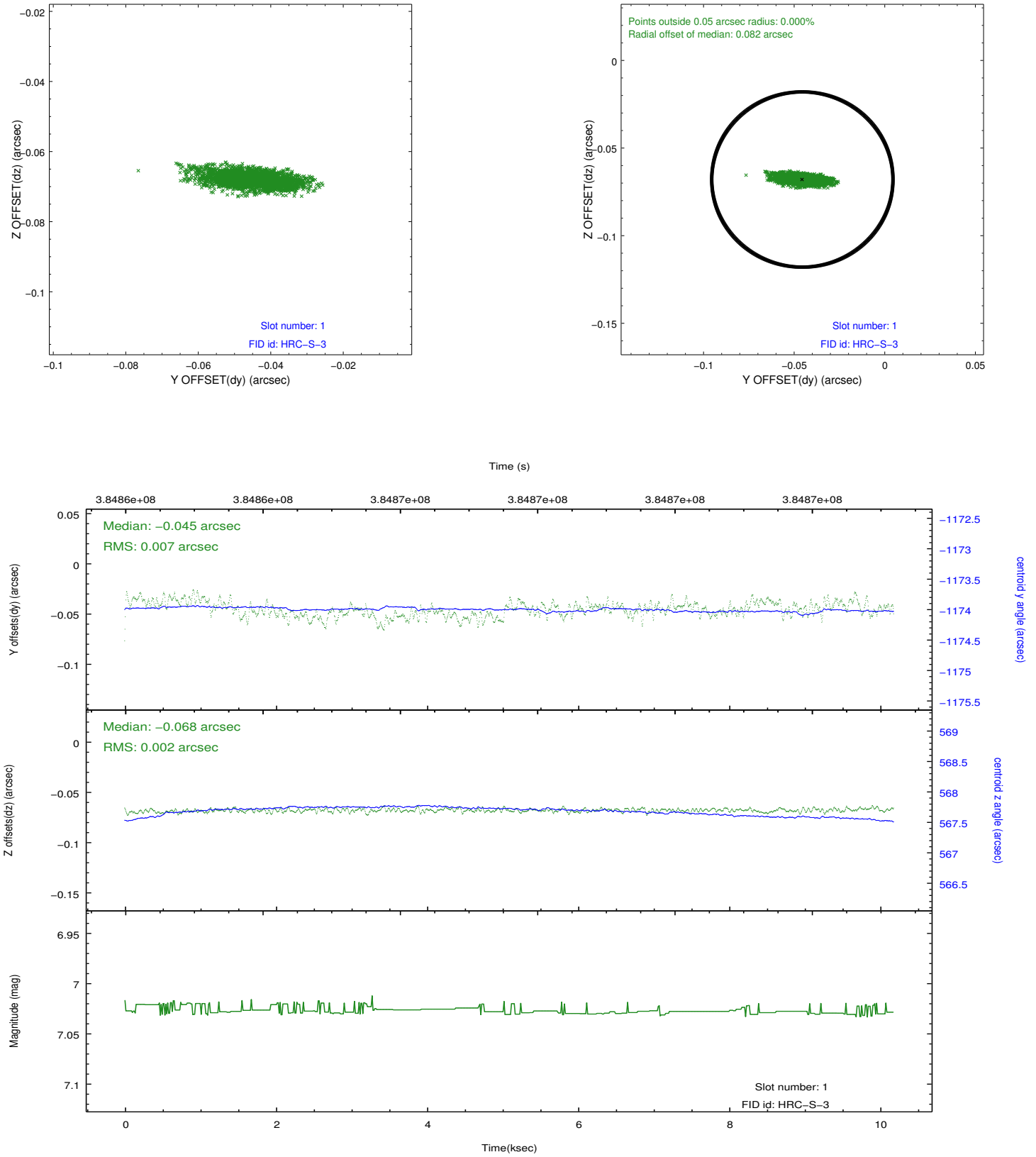


2.5 FID Slots

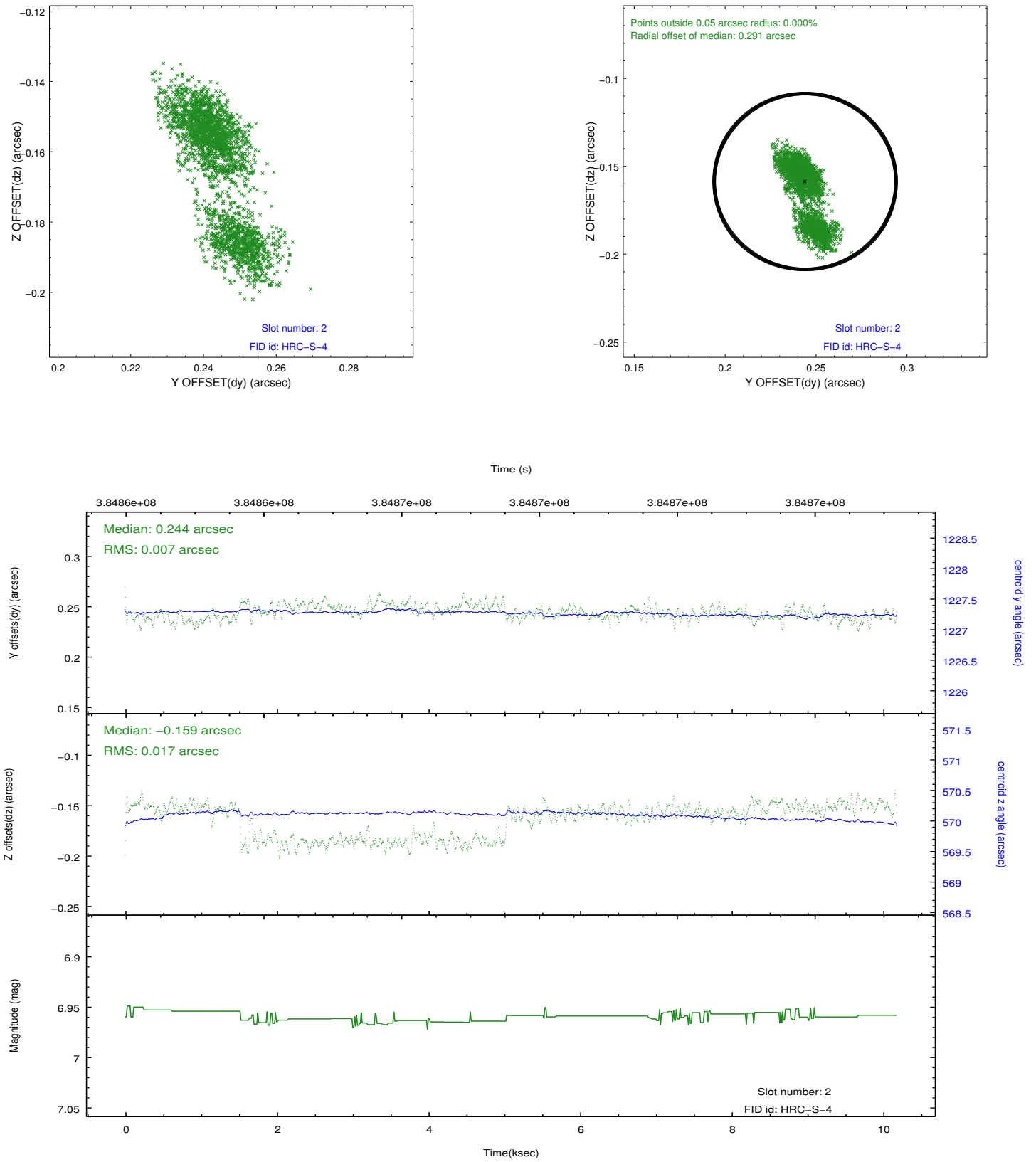
2.5.1 Slot 0



2.5.2 Slot 1

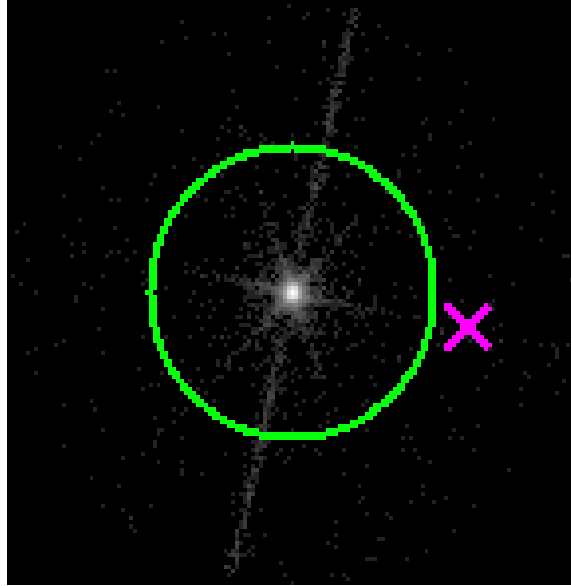


2.5.3 Slot 2

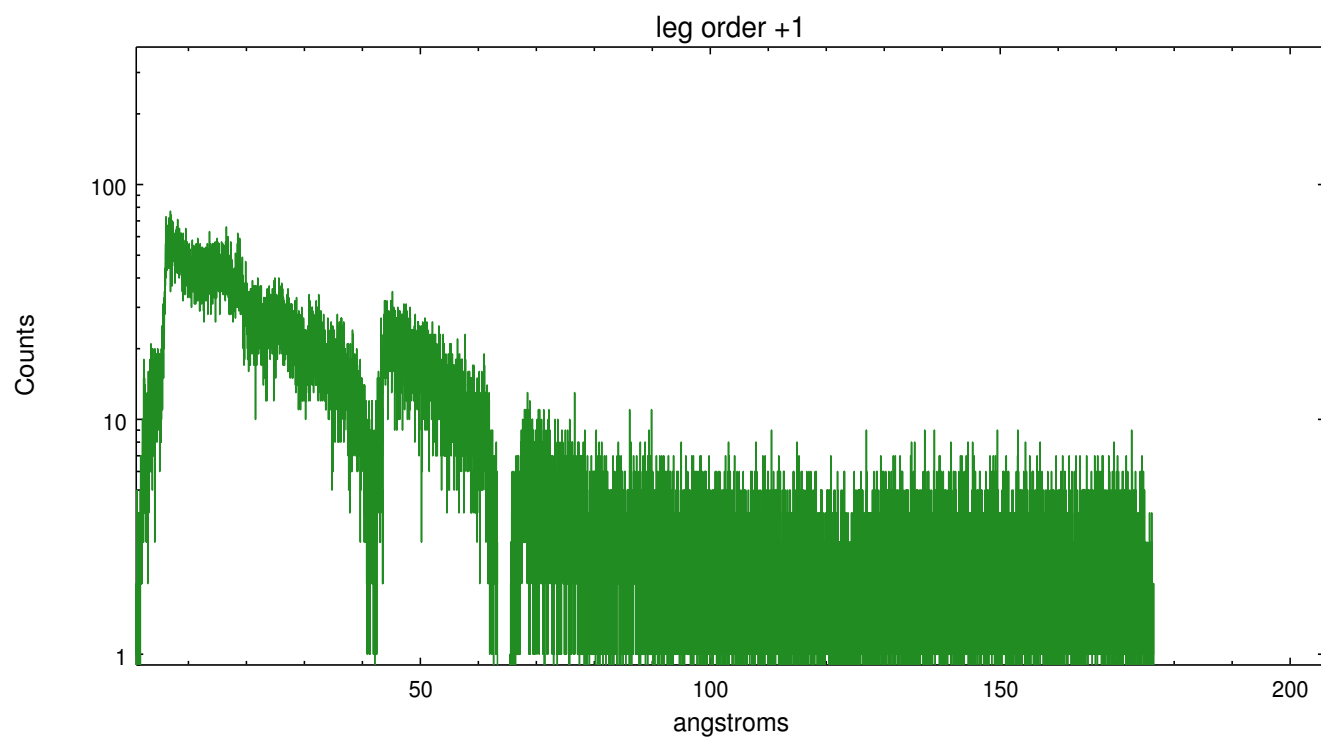
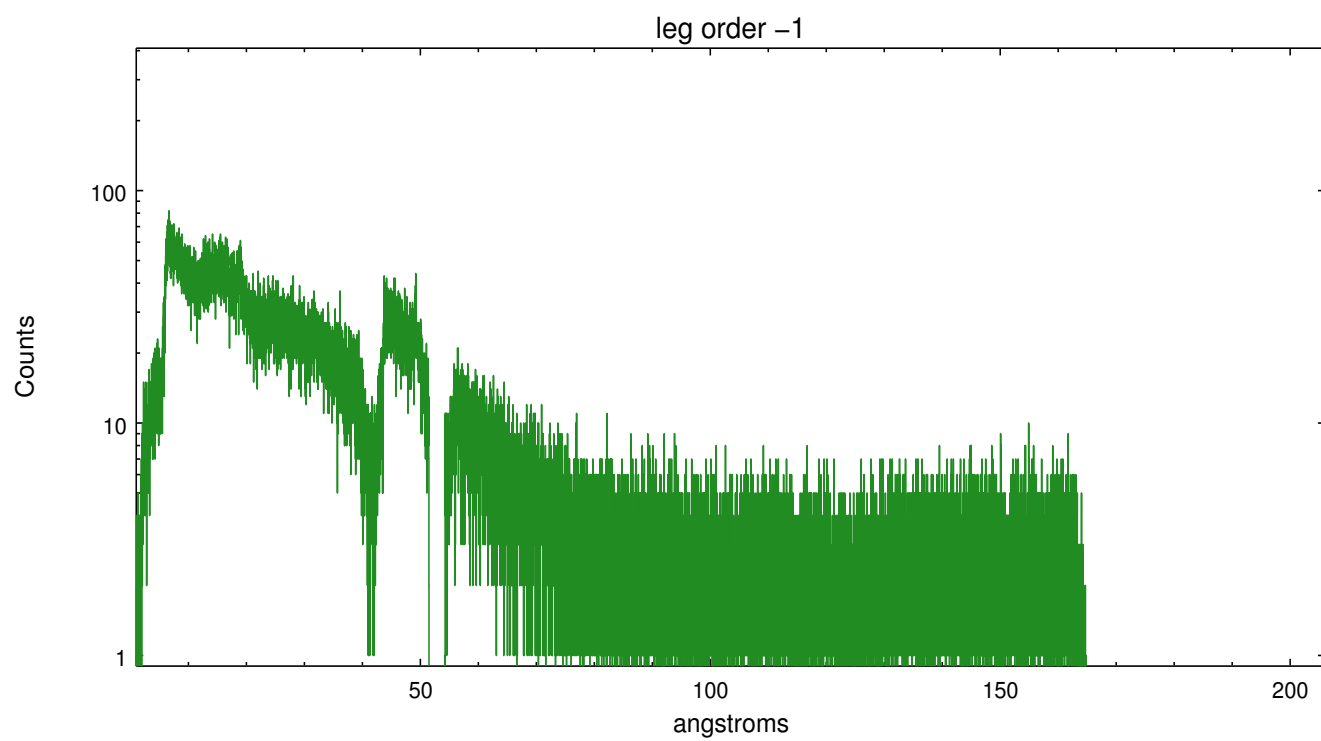


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.14673176527

A.2 Comments