

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2099 - L2 Version 3
Chandra X-Ray Center

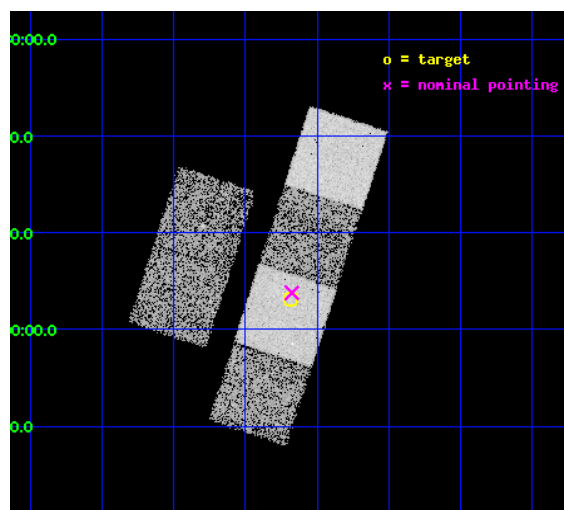
L2 Processing Date : Sep 22 2012

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1 Front

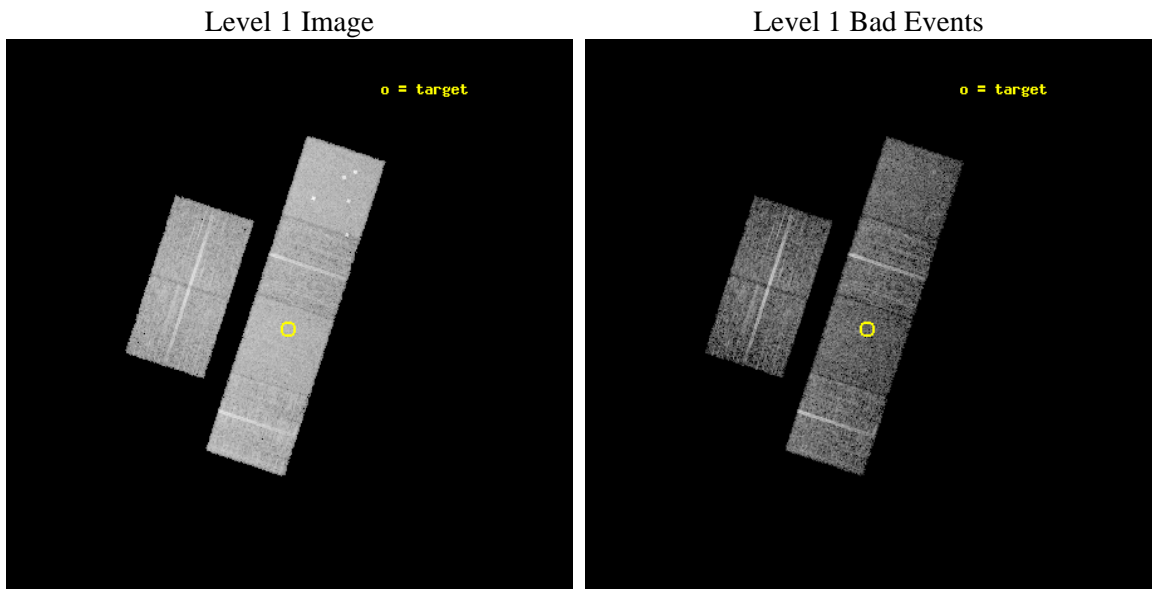
seq_num	700289	Sequence number
obs_id	2099	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOs FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 0021-0213	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.045417	Observer's specified target RA [deg]
dec_targ	-1.946444	Observer's specified target Dec [deg]
ra_nom	6.044093595588	Nominal RA [deg]
dec_nom	-1.936794102638	Nominal Dec [deg]
roll_nom	108.05997298387	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6832.0000063479	Sum of GTIs [s]
livetime	6745.489108531	Livetime [s]
ontime2	6828.7590361089	Sum of GTIs [s]
ontime3	6832.0000063479	Sum of GTIs [s]
ontime5	6832.0000063479	Sum of GTIs [s]
ontime6	6832.0000063479	Sum of GTIs [s]
ontime7	6832.0000063479	Sum of GTIs [s]
ontime8	6832.0000063479	Sum of GTIs [s]
l2events	76923	Number of level 2 events



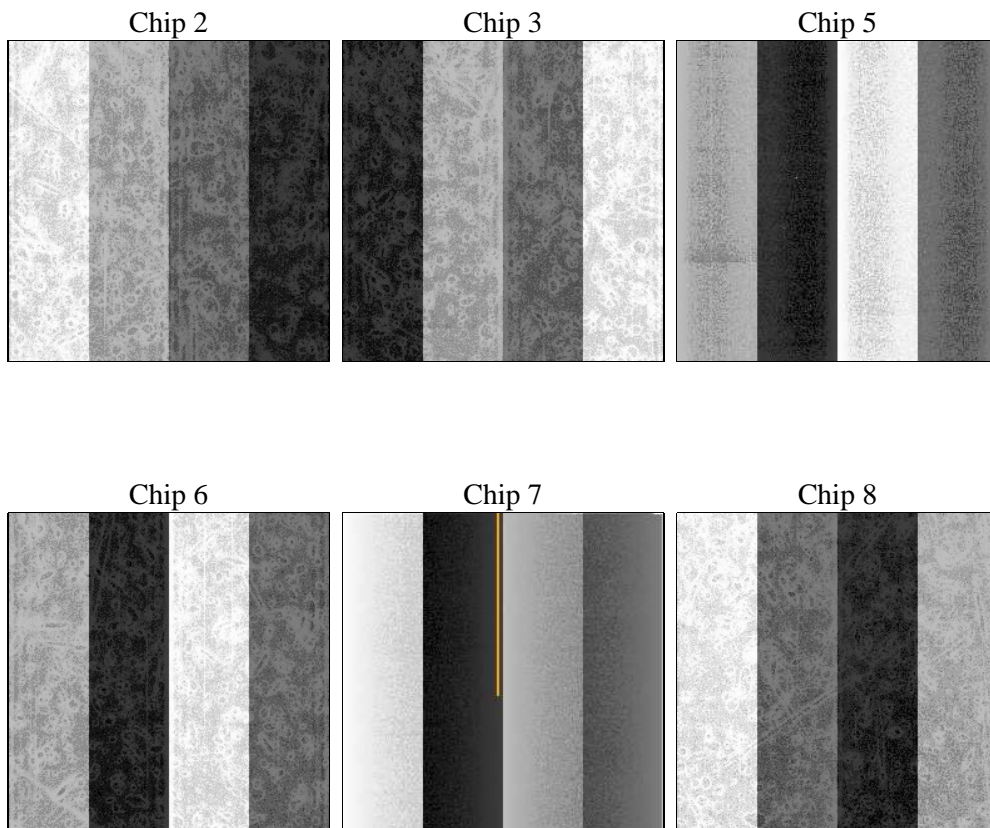
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6684.546000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6832.0000063479	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	6828.7590361089	Sum of GTIs [s]
date	2012-09-22T07:39:56	Date and time of file creation	ontime3	6832.0000063479	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6832.0000063479	Sum of GTIs [s]
			ontime6	6832.0000063479	Sum of GTIs [s]
			ontime7	6832.0000063479	Sum of GTIs [s]
			ontime8	6832.0000063479	Sum of GTIs [s]
			l1events	619554	Number of level 1 events

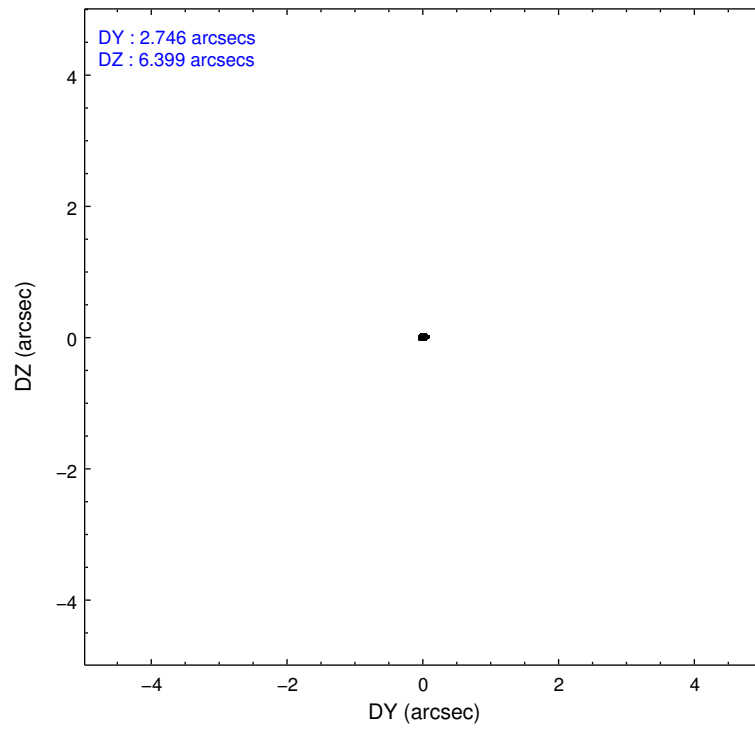
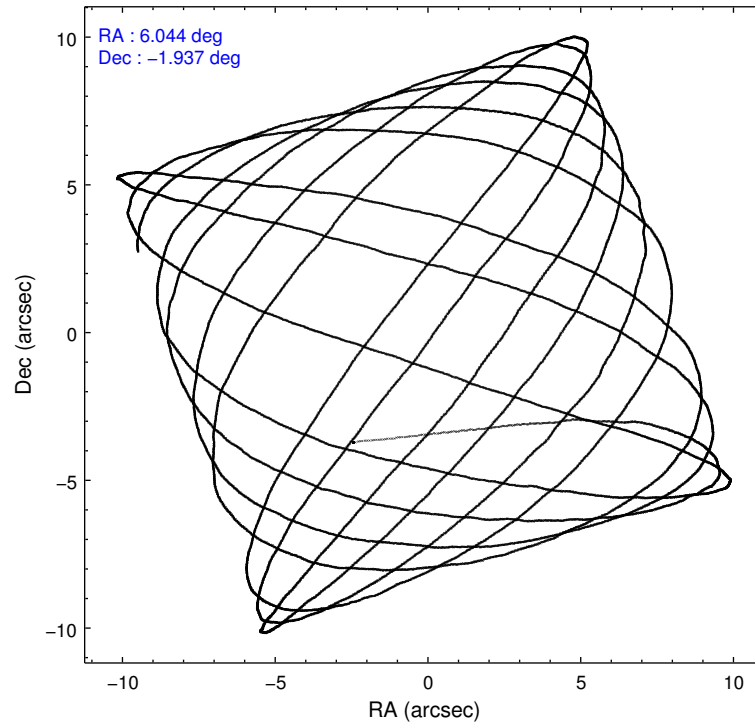
2.1.4 Events

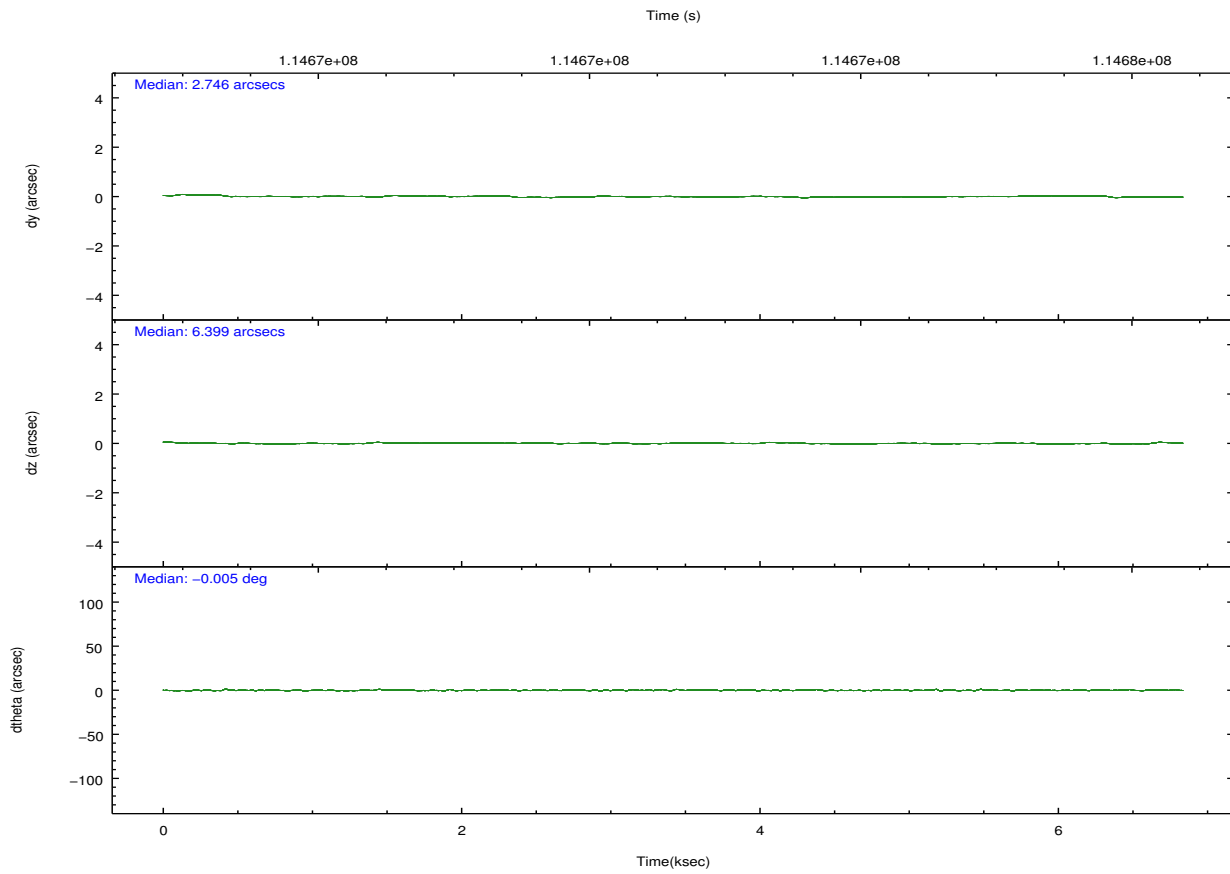
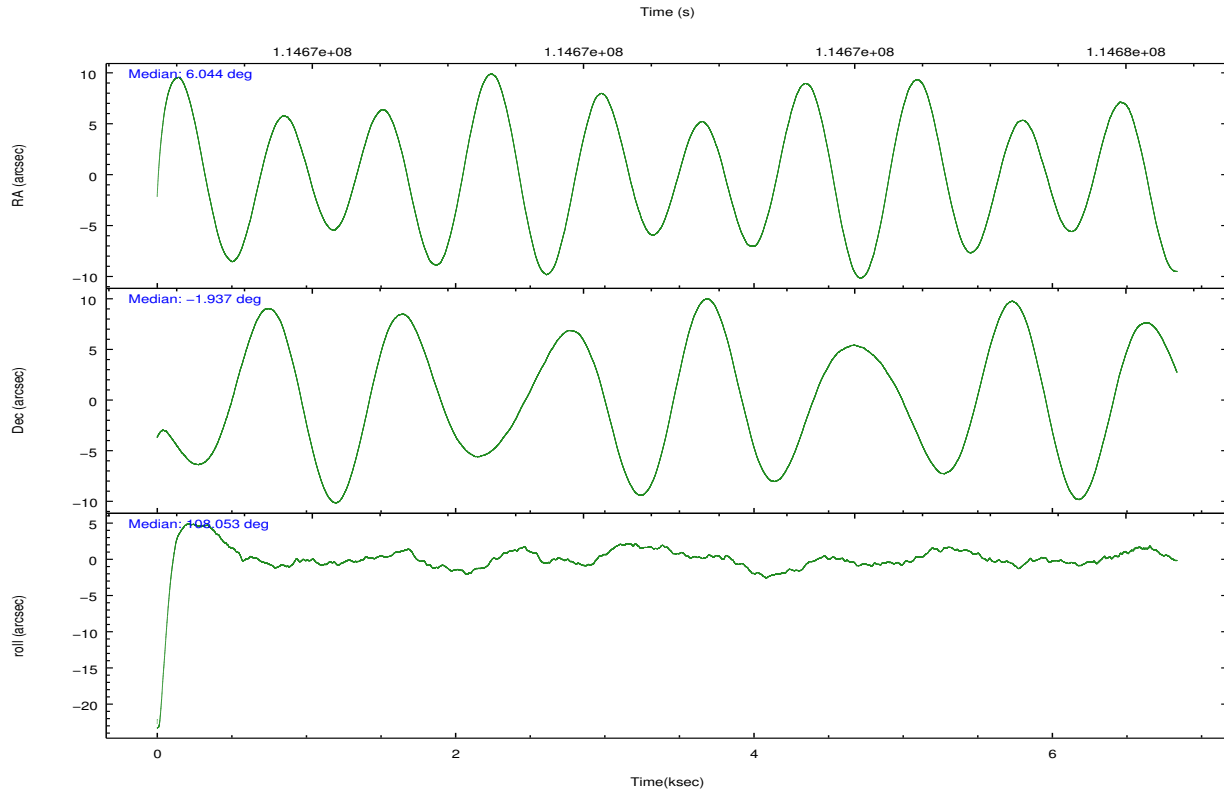
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	81648	80022	139080	84686	133524	100594	grade 0 events	18020	18266	19737	19520	19036	22389
rejected events	75506	73930	106450	78255	107269	84197		22%	22%	14%	23%	14%	22%
rejected %	92%	92%	76%	92%	80%	83%	grade 1 events	110	99	229	122	103	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	6189	6056	31360	6668	19916	8766
								7%	7%	22%	7%	14%	8%
							grade 3 events	2332	2317	5391	2380	9171	3828
								2%	2%	3%	2%	6%	3%
							grade 4 events	2312	2321	5362	2499	9054	3718
								2%	2%	3%	2%	6%	3%
							grade 5 events	1848	2037	6621	2333	6965	2794
								2%	2%	4%	2%	5%	2%
							grade 6 events	5016	5008	32729	5734	35270	8655
								6%	6%	23%	6%	26%	8%
							grade 7 events	45821	43918	37651	45430	34009	50318
								56%	54%	27%	53%	25%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	6.064593	6.044093595587981	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.954790	-1.936794102638045	Alternating exposures requested	N	N
[deg] Pointing Roll	107.904079	108.0599729838678	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	114669351.184000	114667437.21429			
Observation start date	2001-08-20T04:34:47	2001-08-20T04:03:57			
[s] Observation end time (MET)	114676036.184000	114676350.10214			
Observation end date	2001-08-20T06:26:12	2001-08-20T06:32:30			
Read mode	TIMED	TIMED			

2.3 Aspect



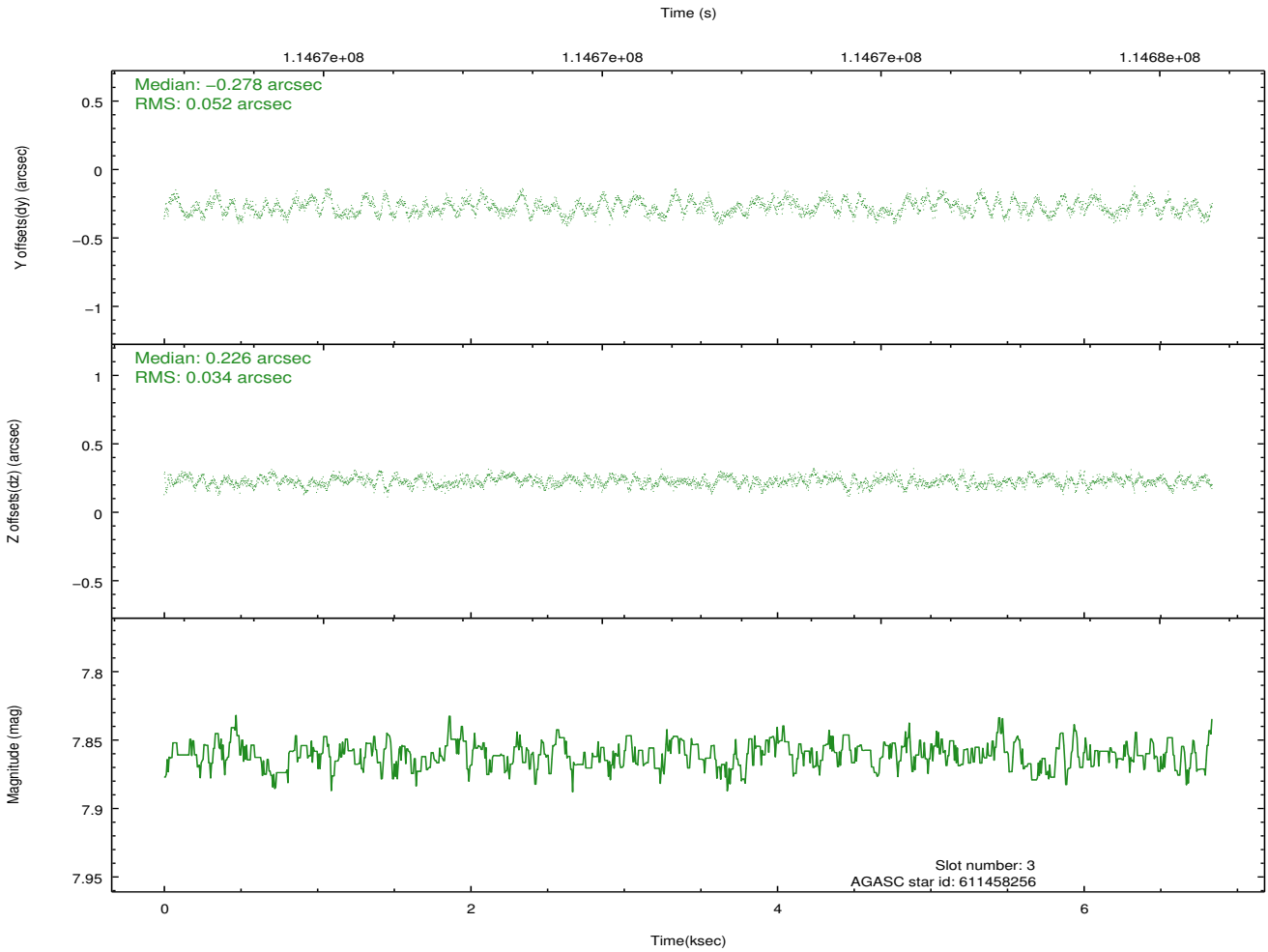
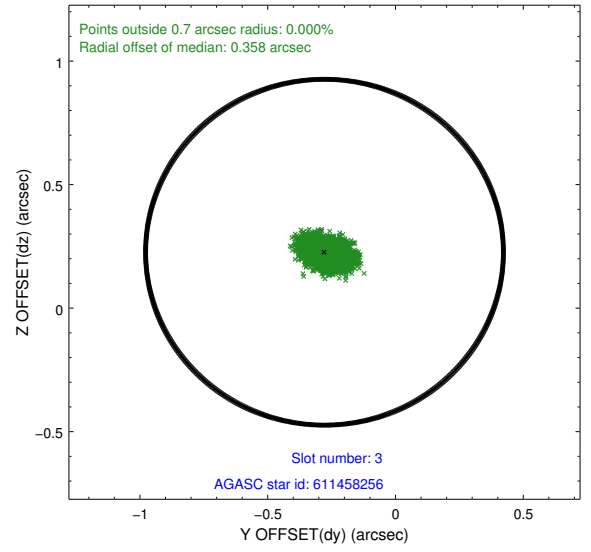
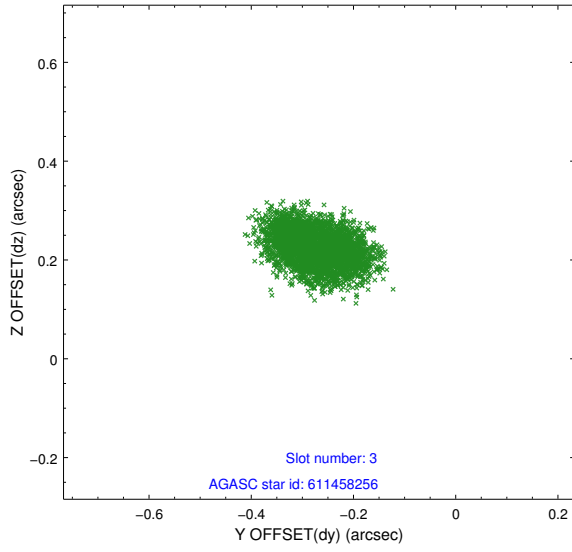


Slot Statistics

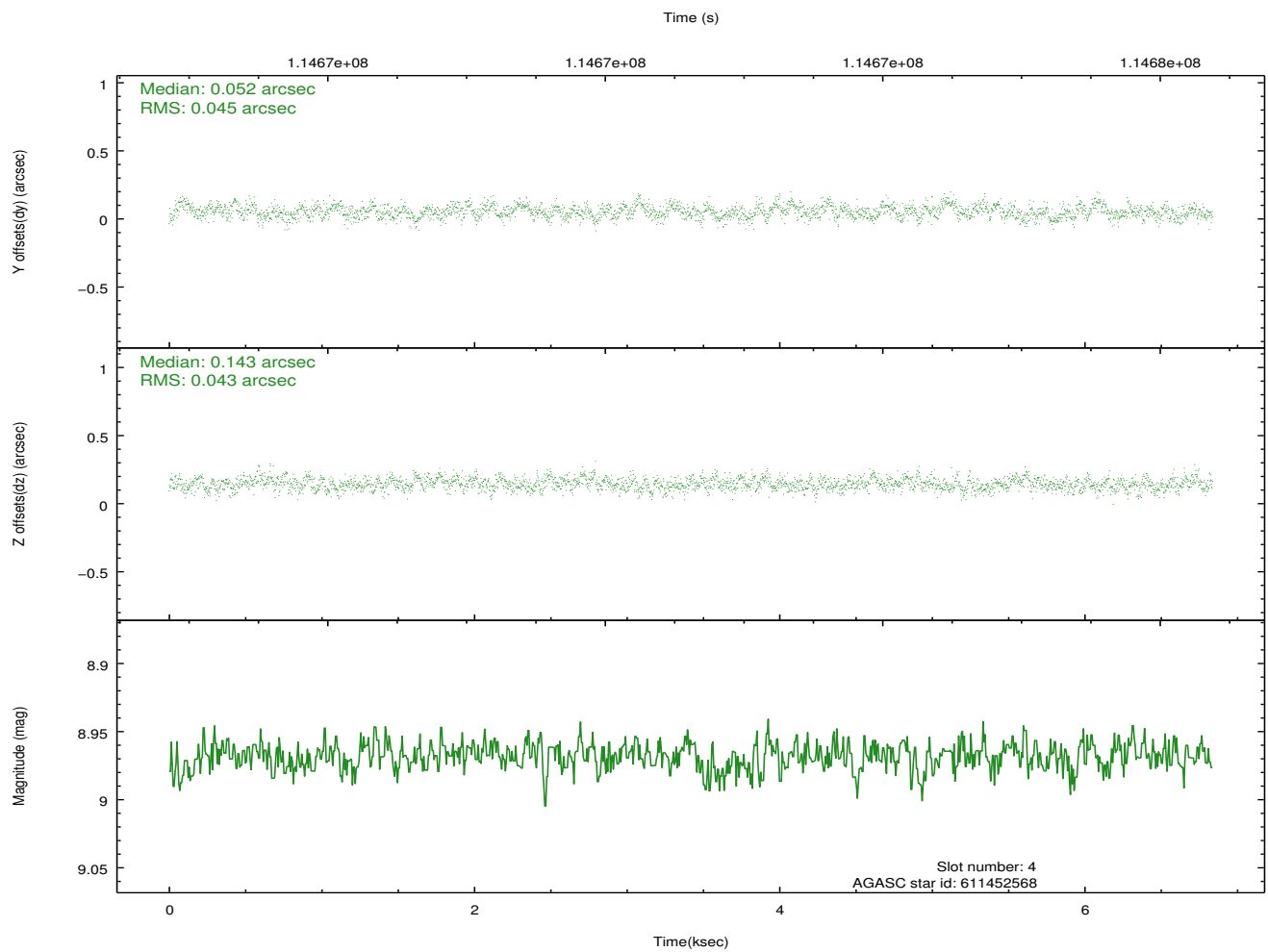
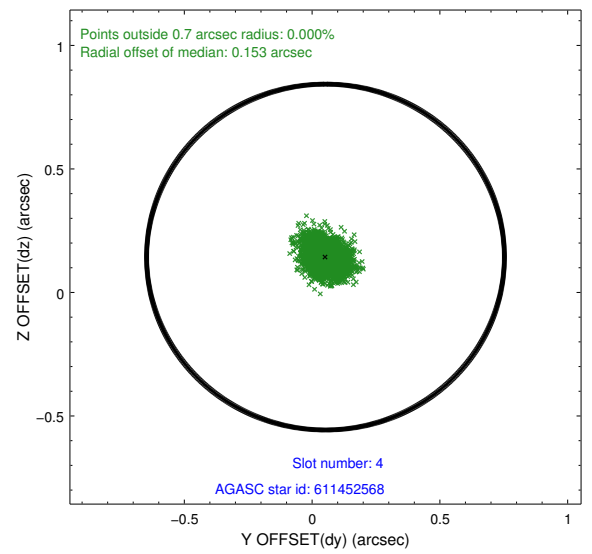
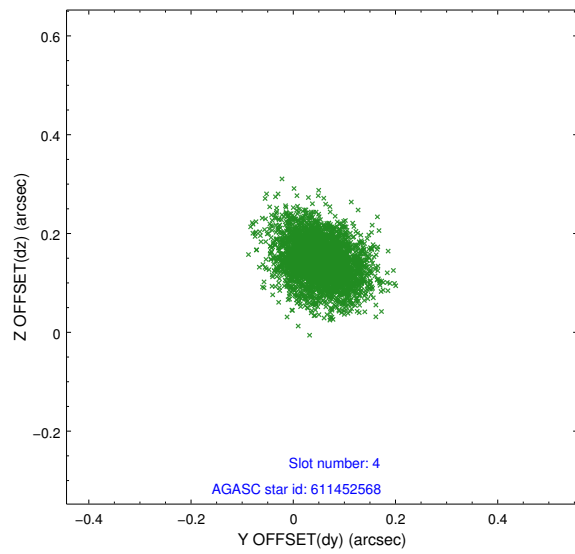
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1668	-0.022	0.014	0.007	0.011	0.000000	0.000000	-755.37	-1727.55
1	FID	ACIS-S-4	7.20	1668	-0.052	0.007	0.006	0.010	0.000000	0.000000	2157.46	180.10
2	FID	ACIS-S-5	7.24	1668	0.043	-0.012	0.007	0.011	0.000000	0.000000	-1807.09	174.65
3	GUIDE	611458256	7.86	3336	-0.278	0.226	0.068	0.104	6.076809	-1.241285	2429.68	-831.98
4	GUIDE	611452568	8.97	3336	0.052	0.143	0.066	0.107	6.308705	-1.833133	146.70	-971.49
5	GUIDE	611851872	9.44	3335	0.287	-0.246	0.108	0.177	5.618608	-2.590225	-1684.80	2227.94
6	GUIDE	611458248	8.98	3333	-0.061	-0.126	0.061	0.100	5.827673	-1.559564	1614.46	373.68
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

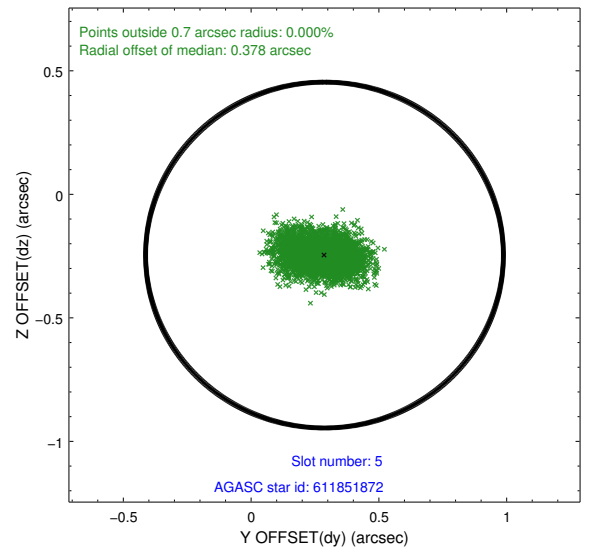
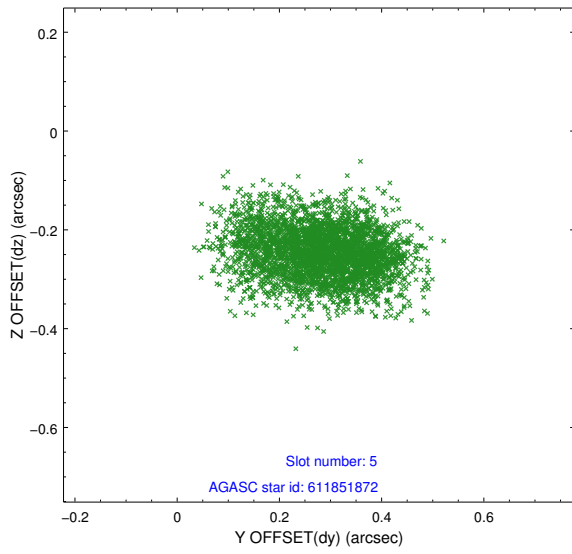
2.4.1 Slot 3



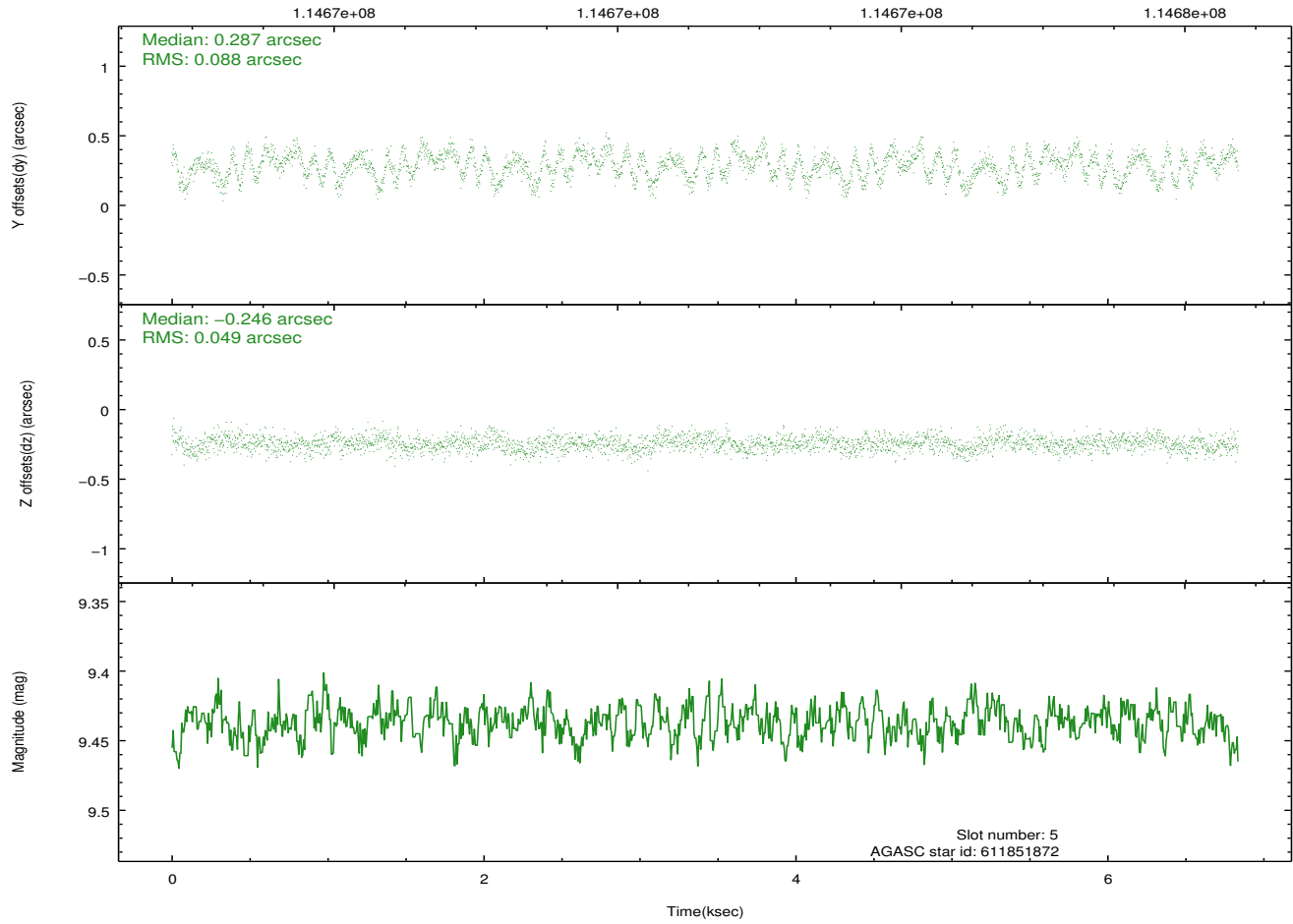
2.4.2 Slot 4



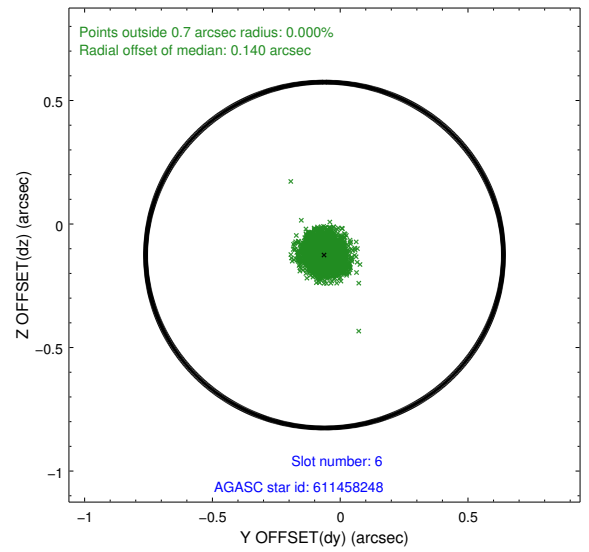
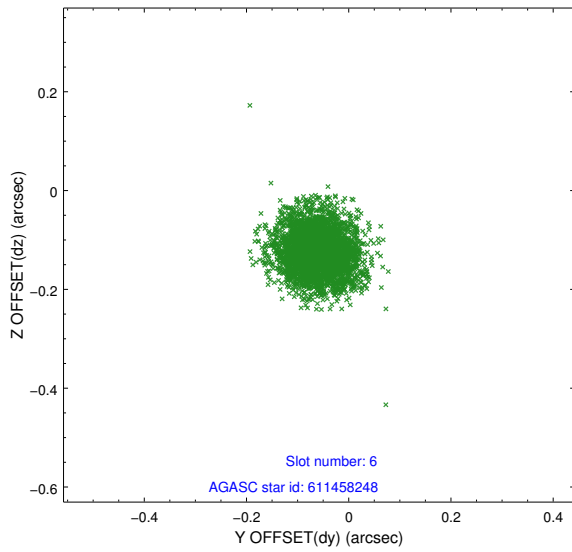
2.4.3 Slot 5



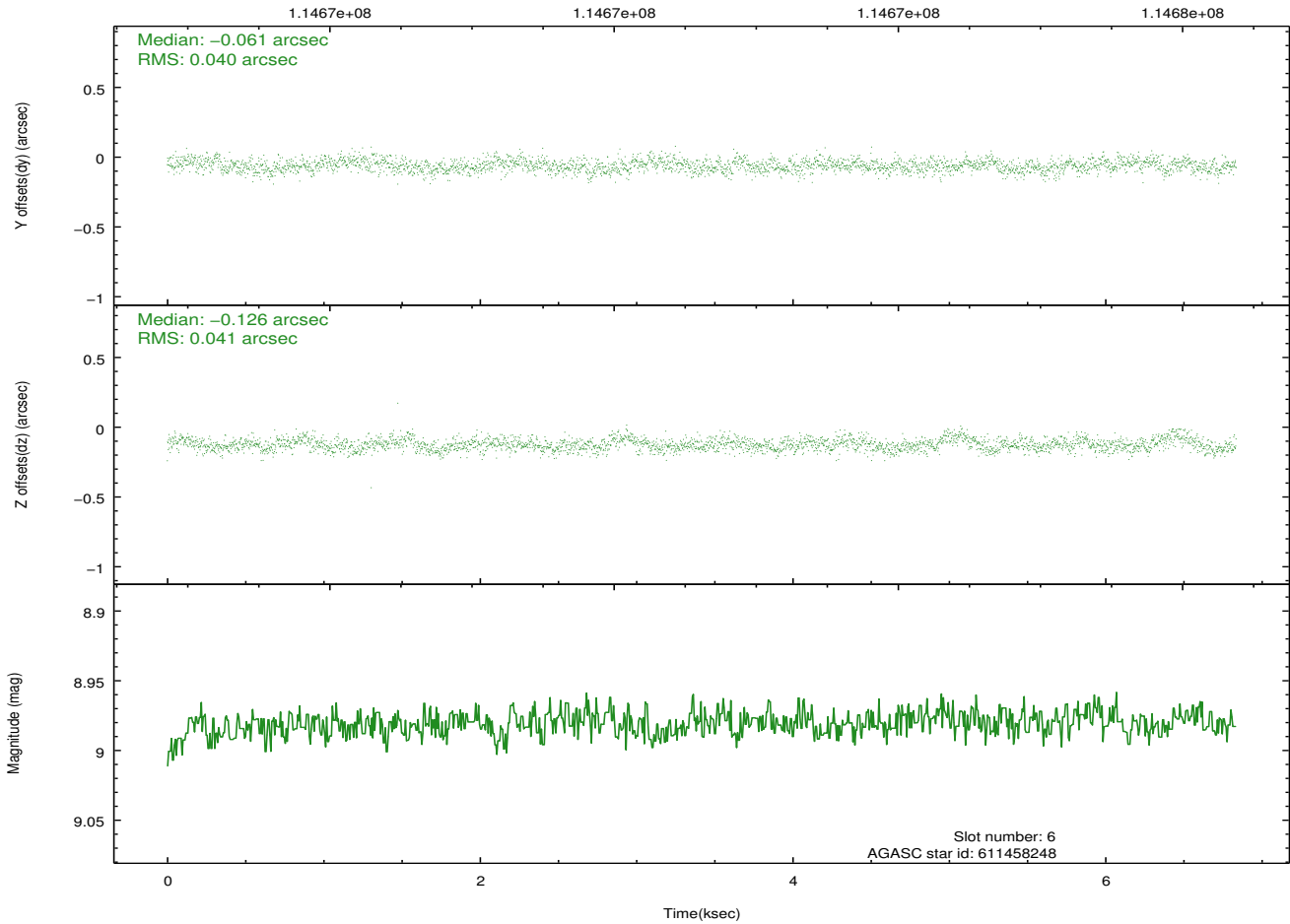
Time (s)



2.4.4 Slot 6

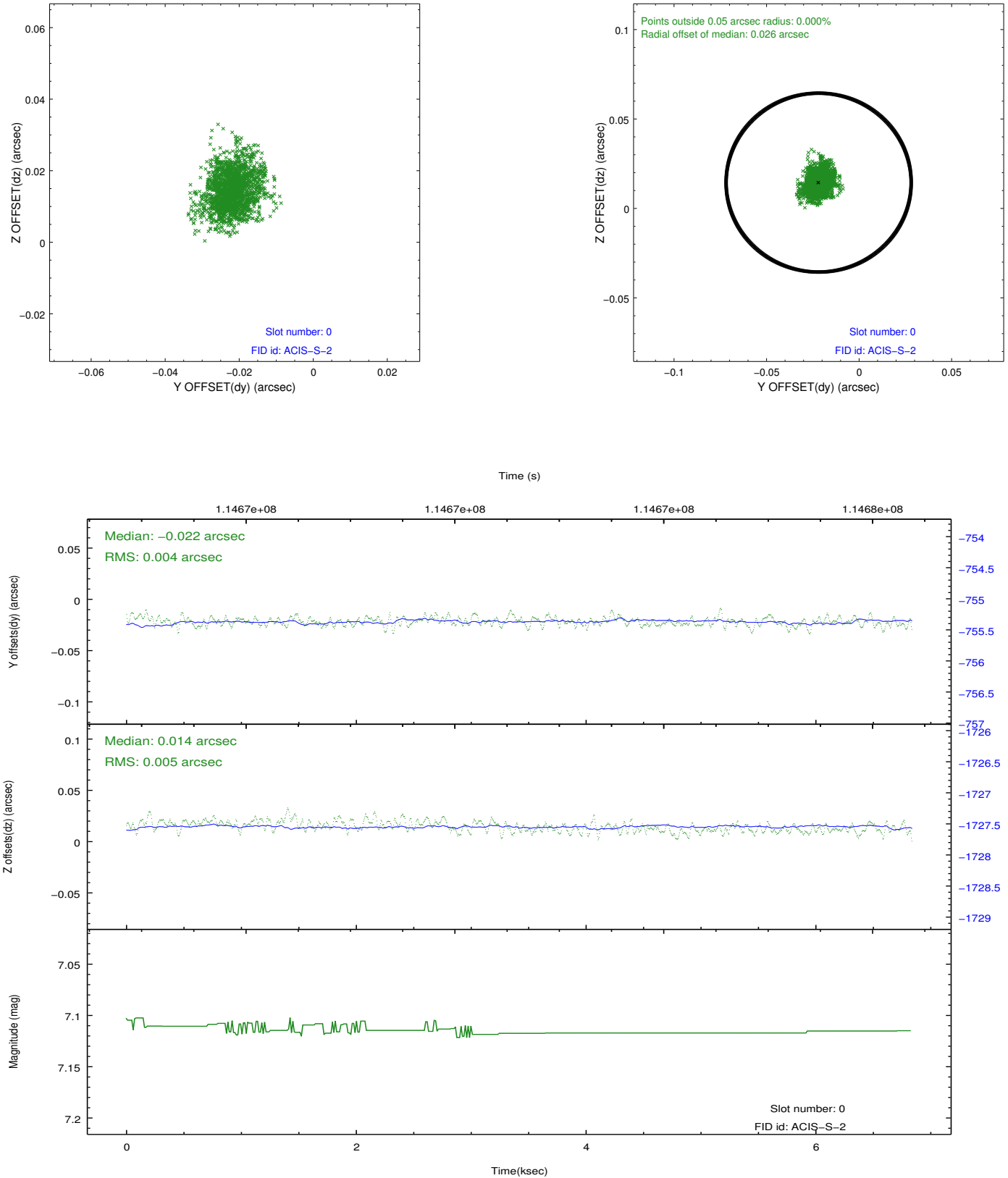


Time (s)

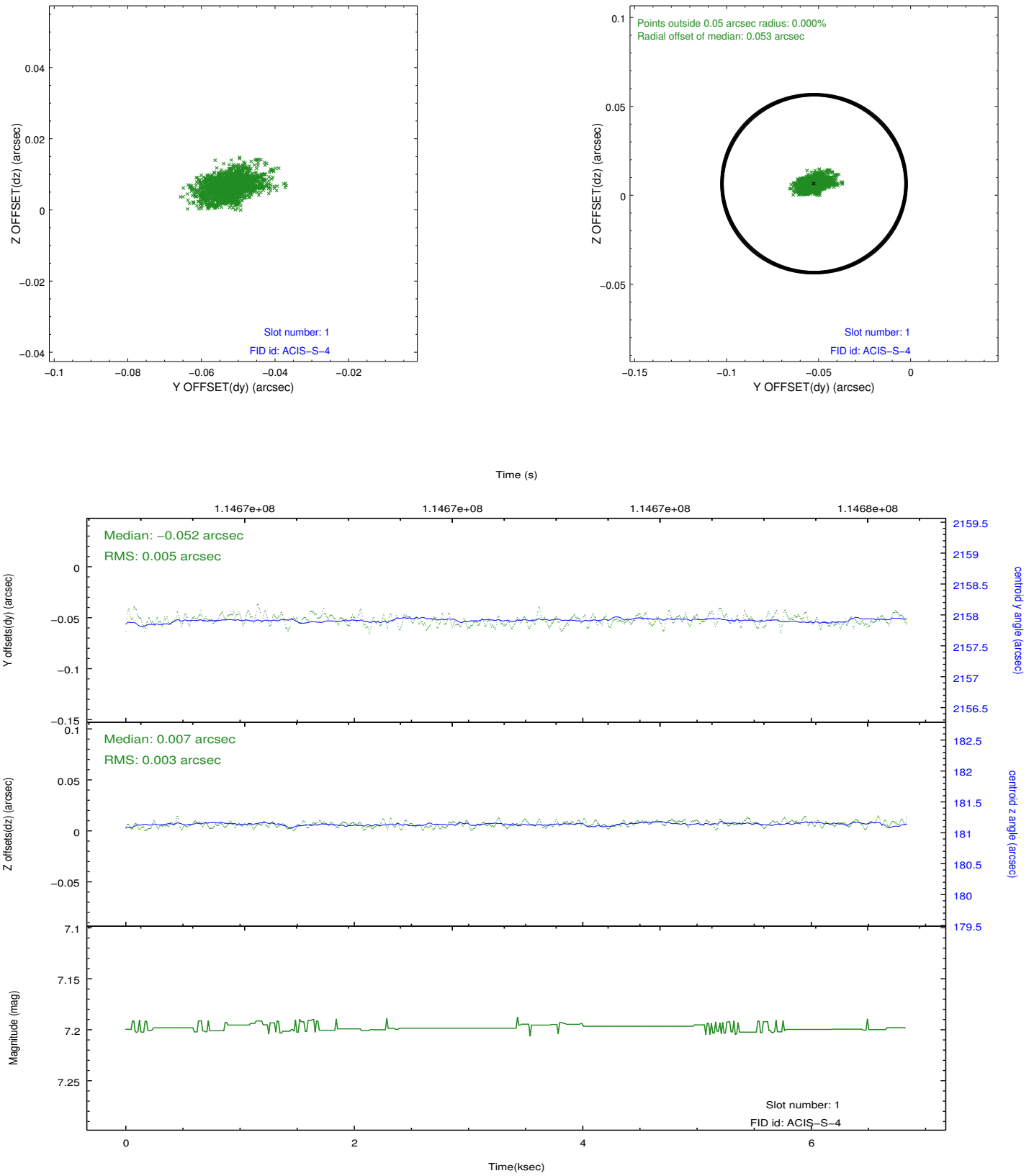


2.5 FID Slots

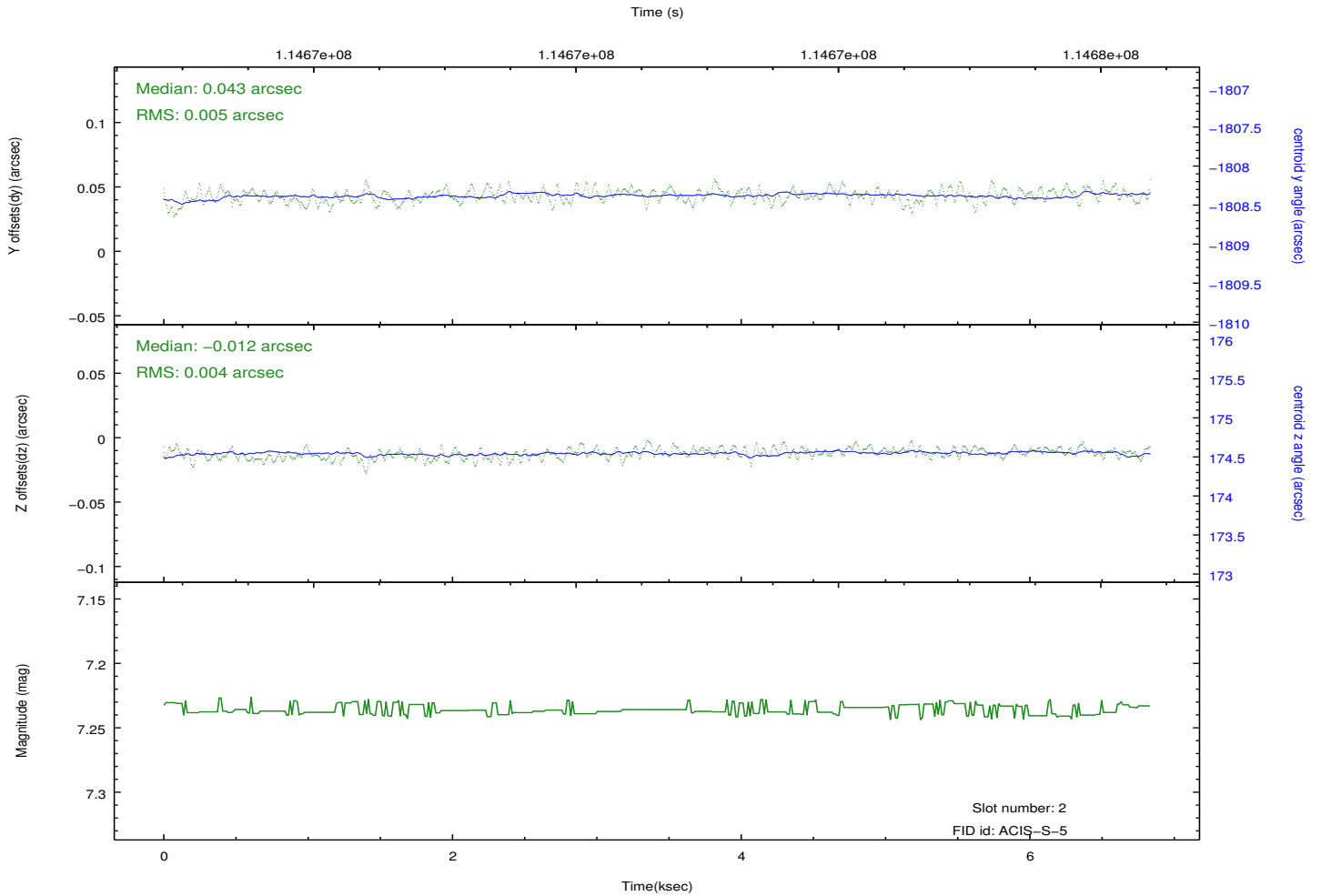
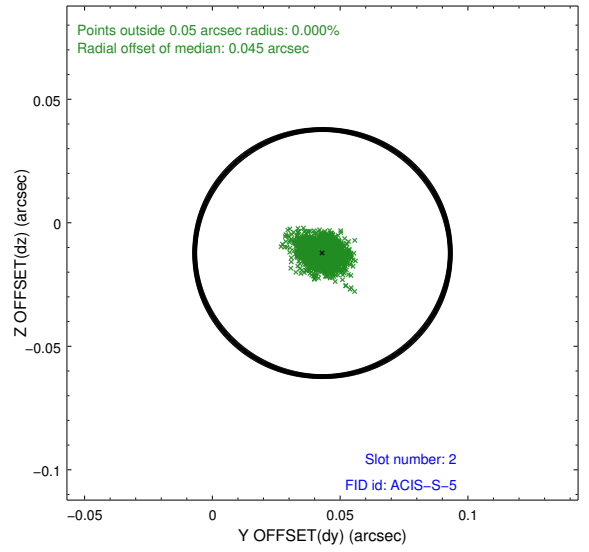
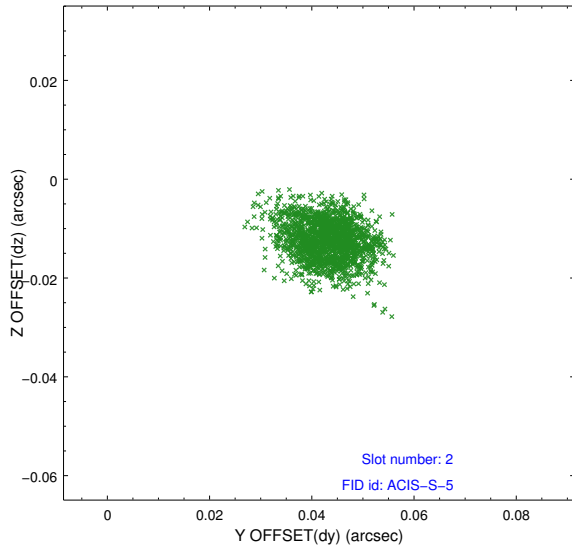
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.832

A.2 Comments

Slot 7 was not used in this observation.