

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8223 - L2 Version 2
Chandra X-Ray Center

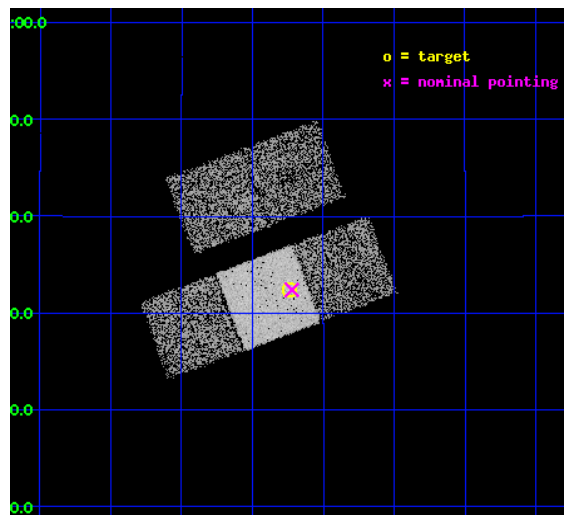
L2 Processing Date : Apr 26 2012

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1 Front

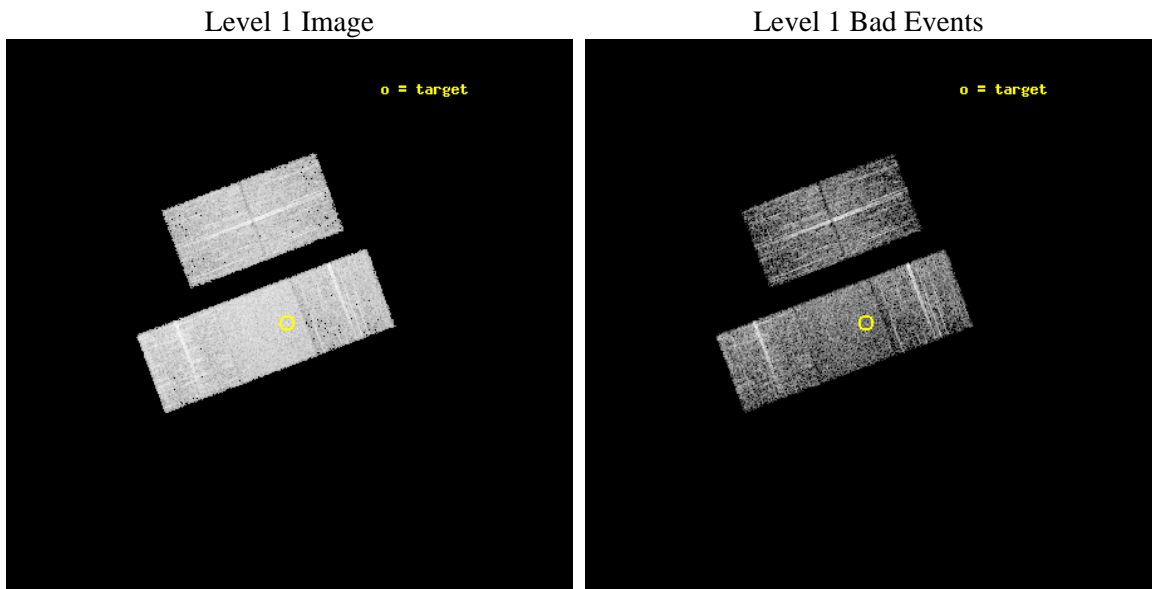
seq_num	900713	Sequence number
obs_id	8223	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J190814+0832	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.06	Observer's specified target RA [deg]
dec_targ	8.541	Observer's specified target Dec [deg]
ra_nom	287.05533927929	Nominal RA [deg]
dec_nom	8.5399585722513	Nominal Dec [deg]
roll_nom	159.45757011884	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3527.800027132	Sum of GTIs [s]
livetime	3481.706722649	Livetime [s]
ontime2	3527.800027132	Sum of GTIs [s]
ontime3	3527.800027132	Sum of GTIs [s]
ontime6	3527.800027132	Sum of GTIs [s]
ontime7	3527.800027132	Sum of GTIs [s]
ontime8	3527.800027132	Sum of GTIs [s]
l2events	33561	Number of level 2 events



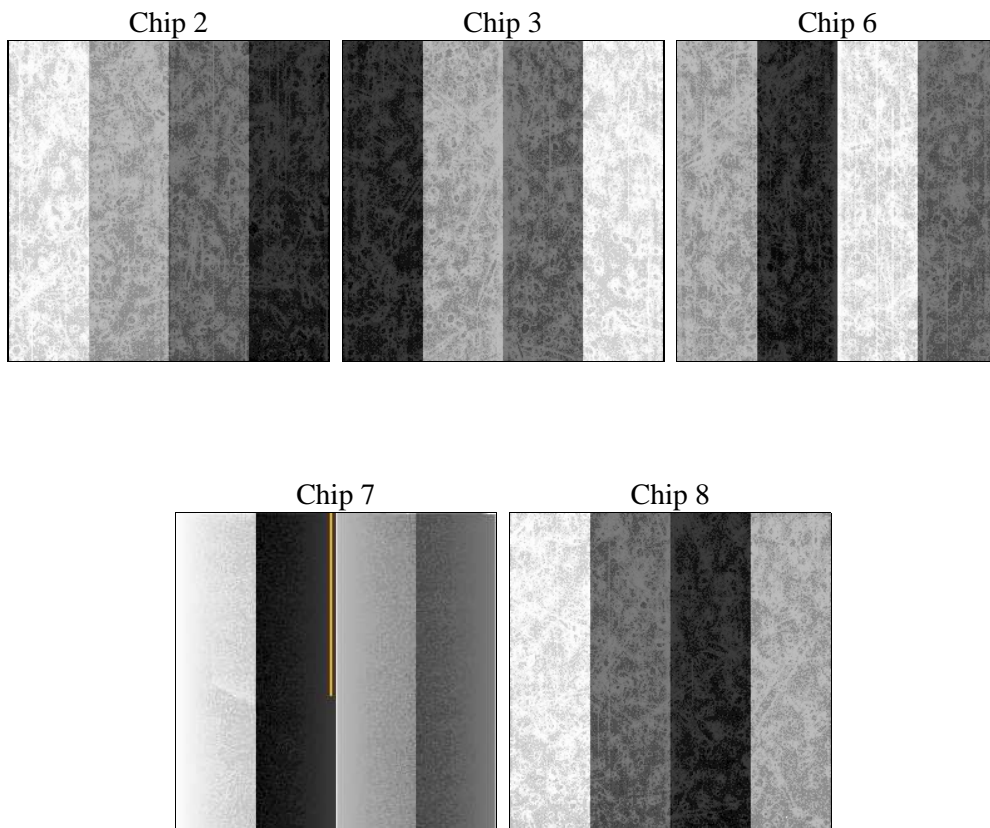
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3527.800027132	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3527.800027132	Sum of GTIs [s]
date	2012-04-27T01:49:06	Date and time of file creation	ontime3	3527.800027132	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3527.800027132	Sum of GTIs [s]
			ontime7	3527.800027132	Sum of GTIs [s]
			ontime8	3527.800027132	Sum of GTIs [s]
			l1events	225741	Number of level 1 events

2.1.4 Events

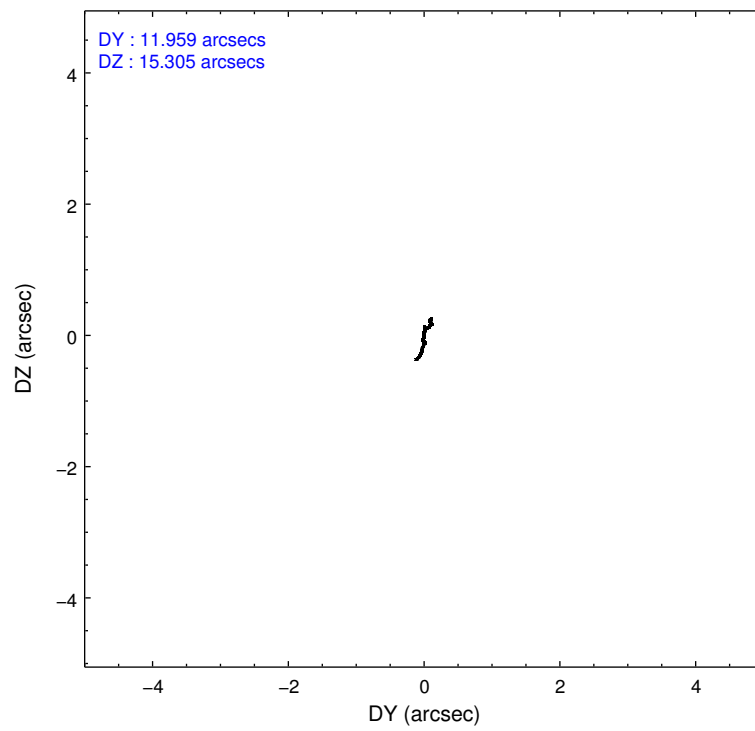
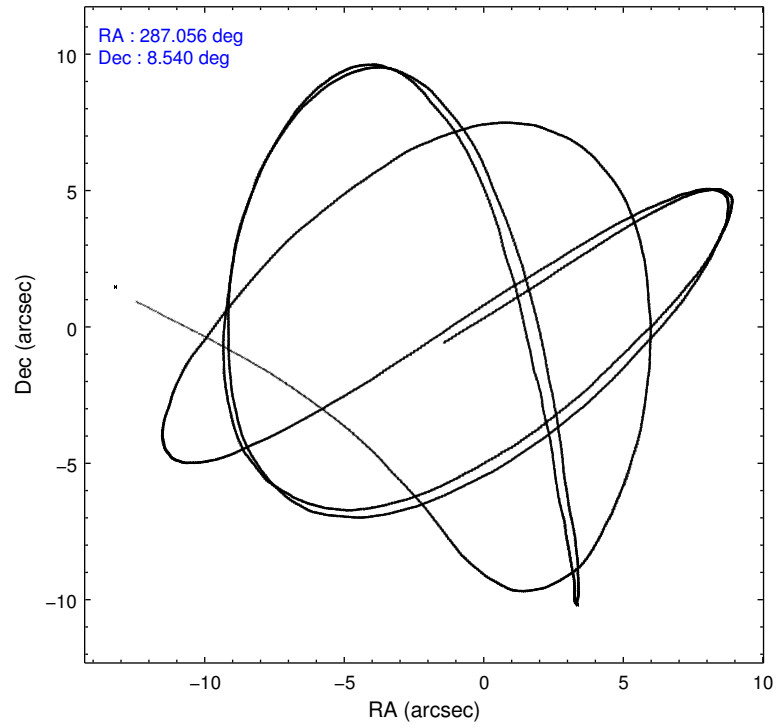
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	38437	39343	41458	54857	51646
rejected events	34464	35302	37398	35409	41954
rejected %	89%	89%	90%	64%	81%

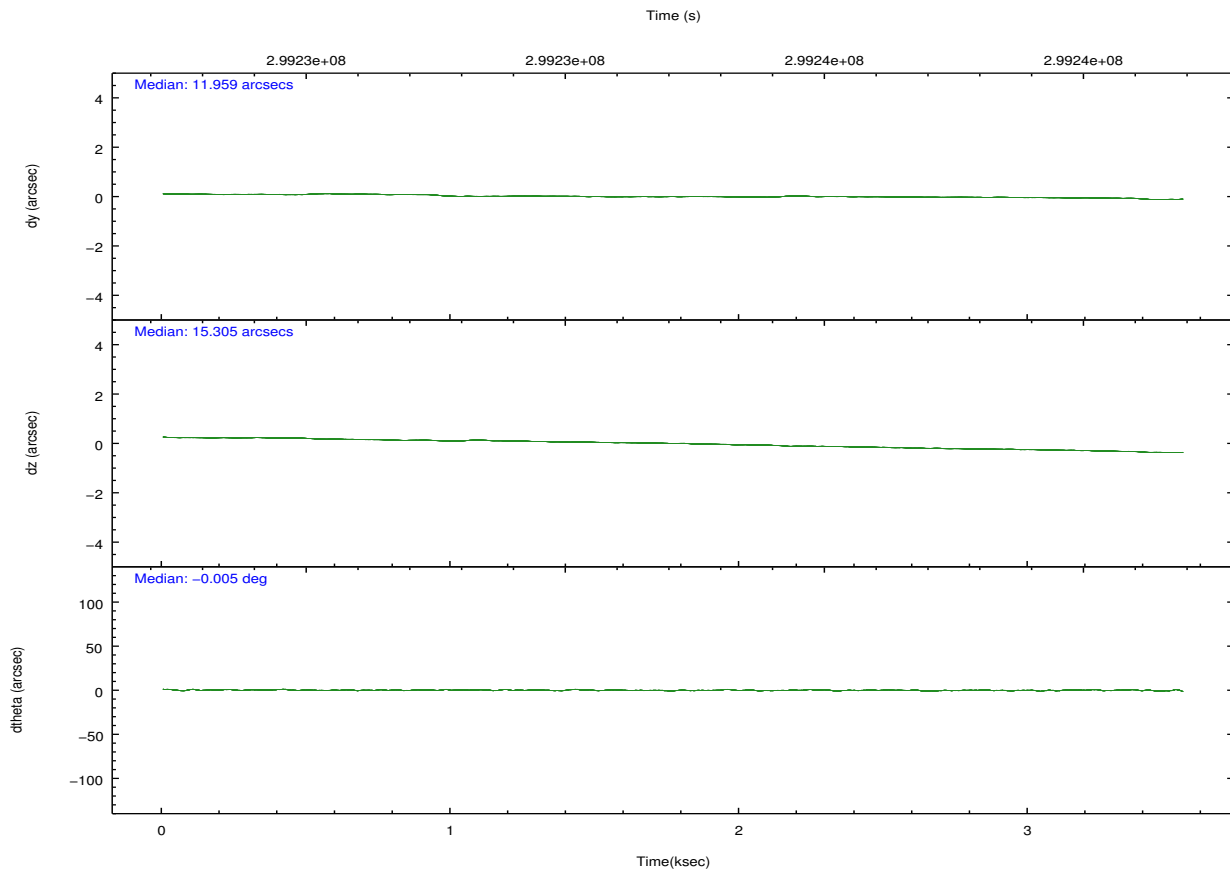
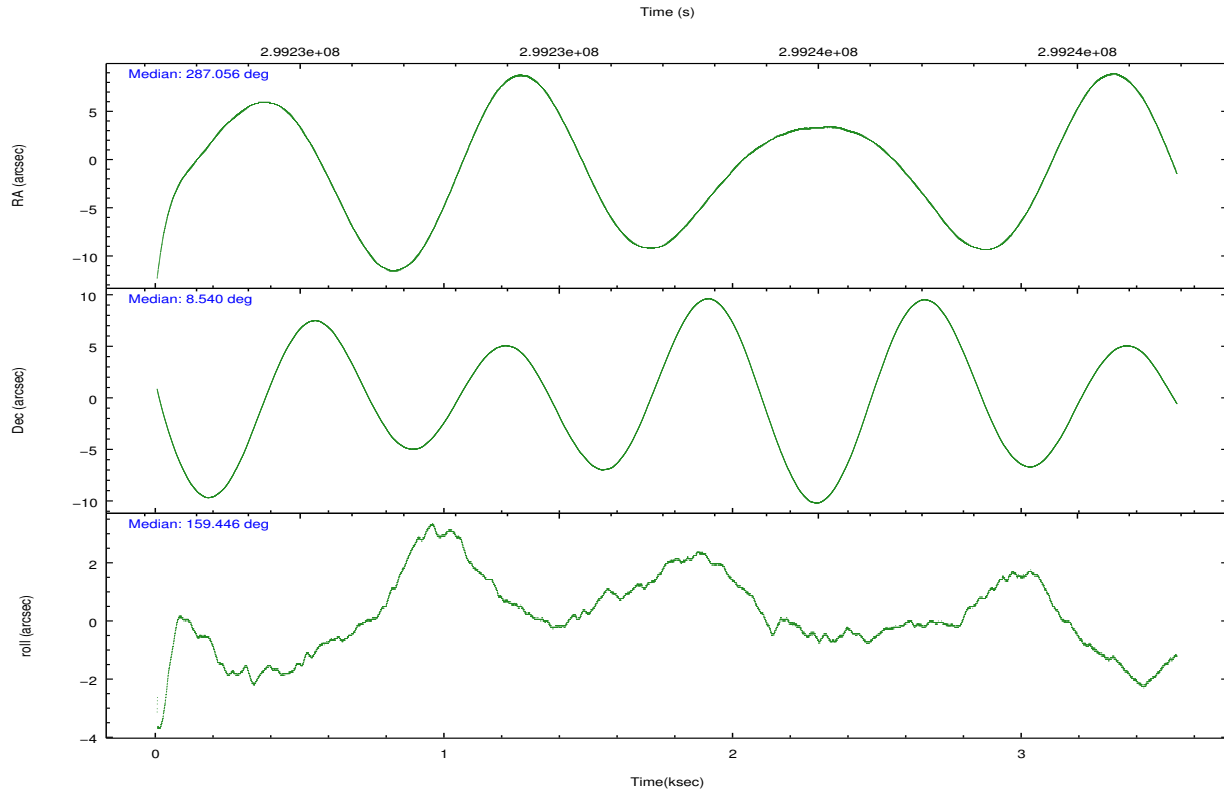
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2117	2052	1871	1867	3509
	5%	5%	4%	3%	6%
grade 1 events	21	28	26	46	35
	0%	0%	0%	0%	0%
grade 2 events	964	901	1026	4608	2685
	2%	2%	2%	8%	5%
grade 3 events	419	446	469	1905	1185
	1%	1%	1%	3%	2%
grade 4 events	409	462	439	2029	1033
	1%	1%	1%	3%	2%
grade 5 events	1533	1902	1872	5237	2616
	3%	4%	4%	9%	5%
grade 6 events	766	825	942	12345	2888
	1%	2%	2%	22%	5%
grade 7 events	32208	32727	34813	26820	37695
	83%	83%	83%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	287.082400	287.0553392792882	CCD I2 on	O2	Y
[deg] Pointing Dec	8.544925	8.539958572251305	CCD I3 on	O3	Y
[deg] Pointing Roll	159.296923	159.4575701188439	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	299232780.184000	299231513.493	CCD S5 on	N	N
Observation start date	2007-06-26T08:11:55	2007-06-26T07:51:53	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	299236180.184000	299236961.36827	On-chip summing requested	N	N
Observation end date	2007-06-26T09:08:35	2007-06-26T09:22:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



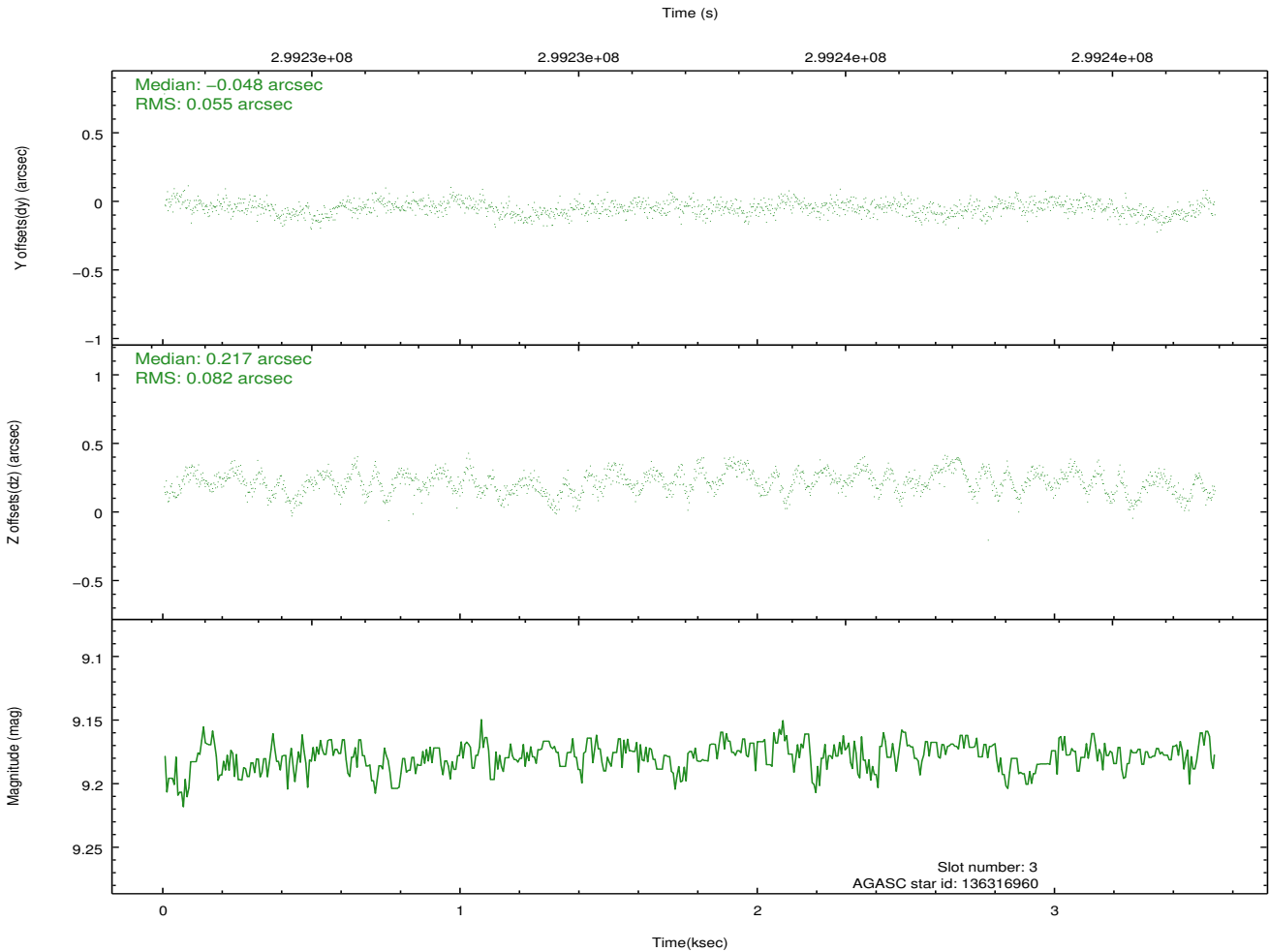
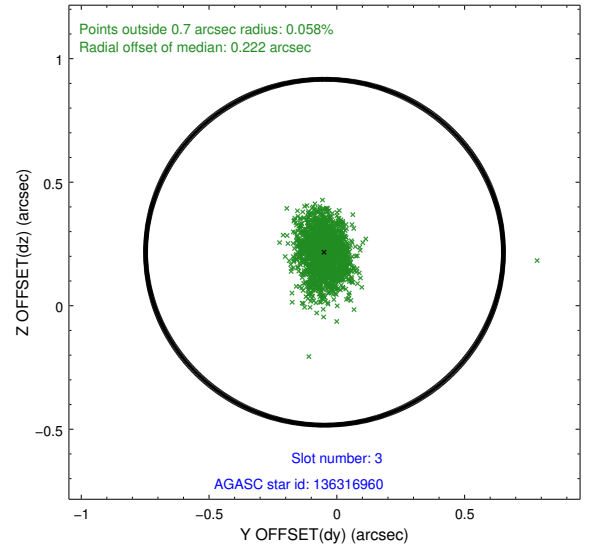
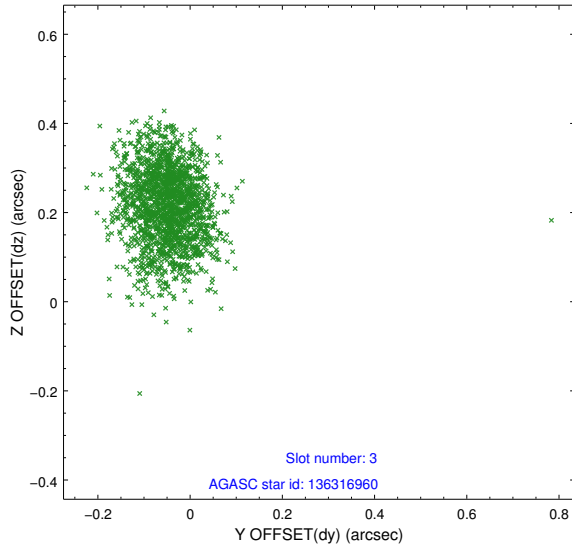


Slot Statistics

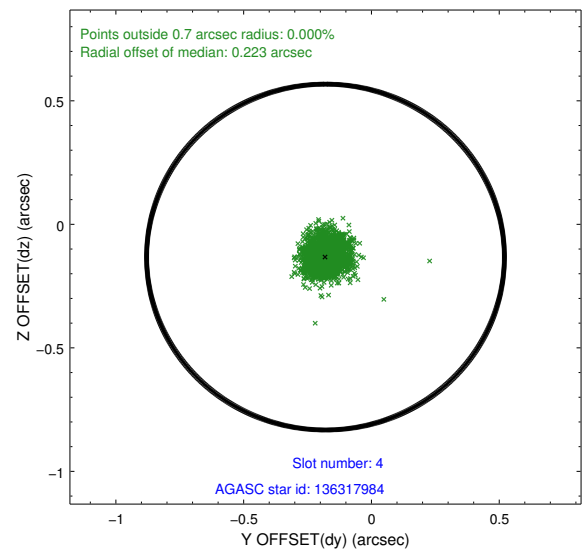
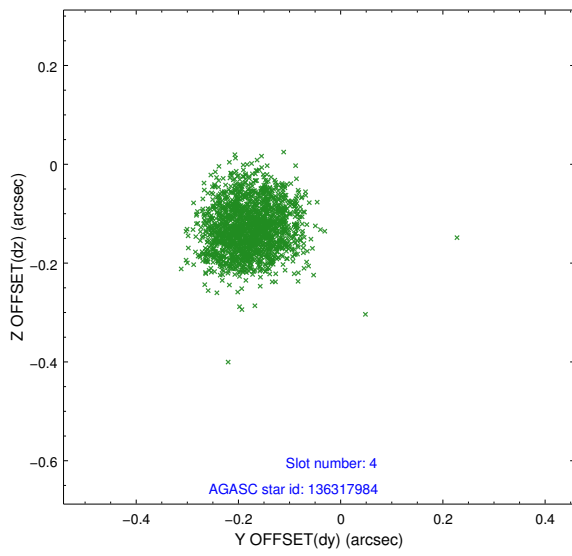
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	862	-0.051	-0.028	0.007	0.011	0.000000	0.000000	-764.88	-1736.65
1	FID	ACIS-S-4	7.19	862	0.143	0.032	0.006	0.010	0.000000	0.000000	2147.75	170.08
2	FID	ACIS-S-5	7.23	863	-0.122	0.004	0.007	0.012	0.000000	0.000000	-1815.53	165.69
3	GUIDE	136316960	9.18	1724	-0.048	0.217	0.101	0.170	287.104881	9.133555	675.58	-2010.28
4	GUIDE	136317984	8.49	1725	-0.180	-0.133	0.076	0.114	286.813953	8.124970	361.28	1750.76
5	GUIDE	136318600	9.17	1721	0.190	-0.038	0.082	0.127	287.193672	7.971966	-1099.43	1789.79
6	GUIDE	136323760	7.84	1725	-0.044	-0.101	0.056	0.091	286.241143	8.217392	2387.98	2160.99
7	GUIDE	136317344	9.23	1722	0.080	0.053	0.105	0.168	287.032148	8.921467	648.95	-1203.56

2.4 Star Slots

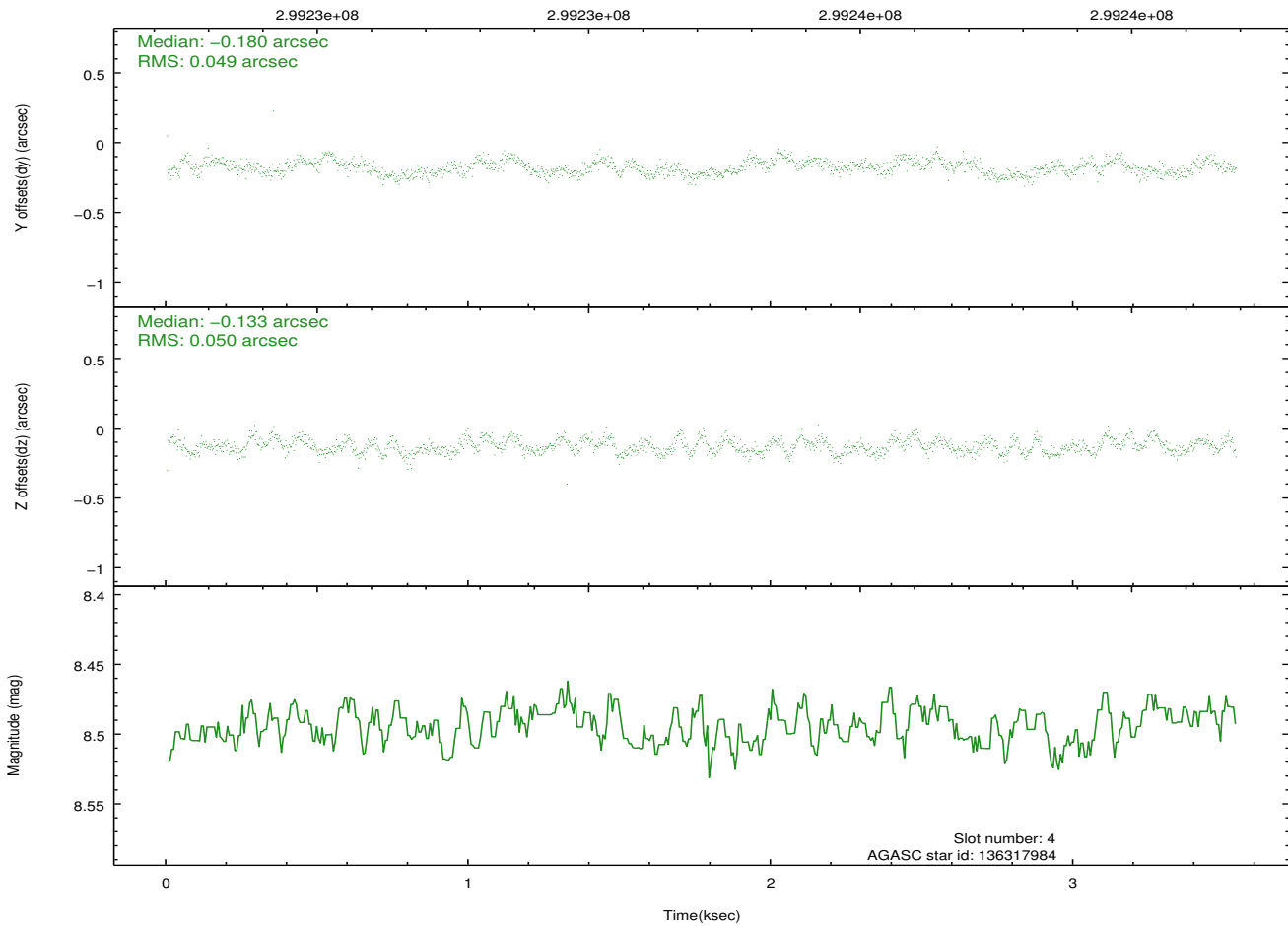
2.4.1 Slot 3



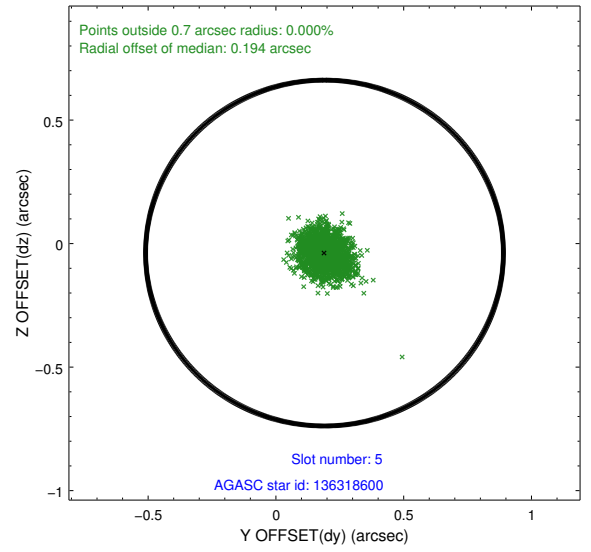
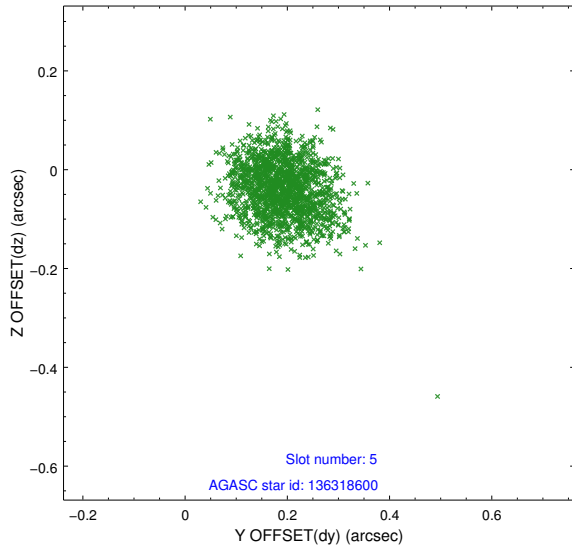
2.4.2 Slot 4



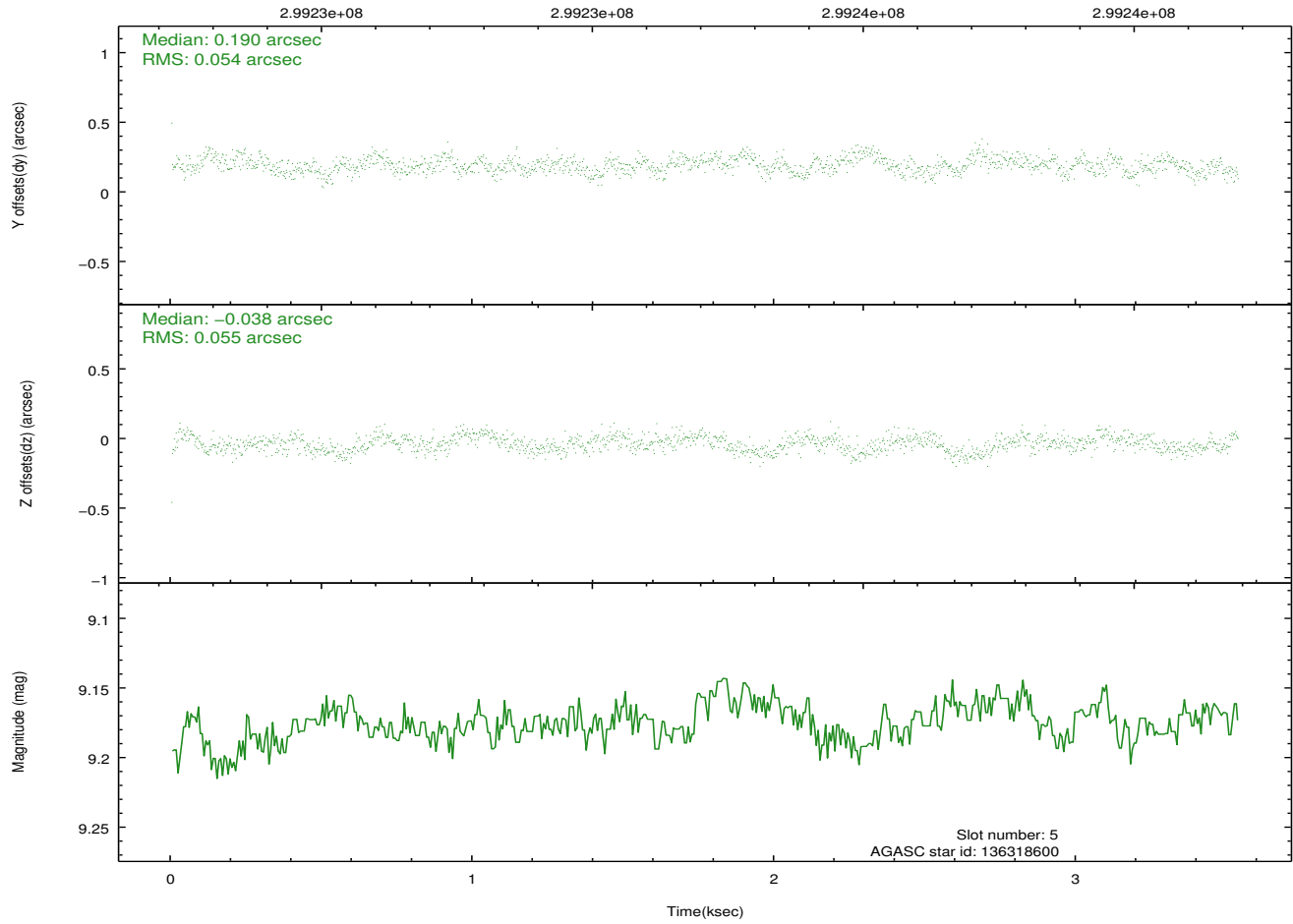
Time (s)



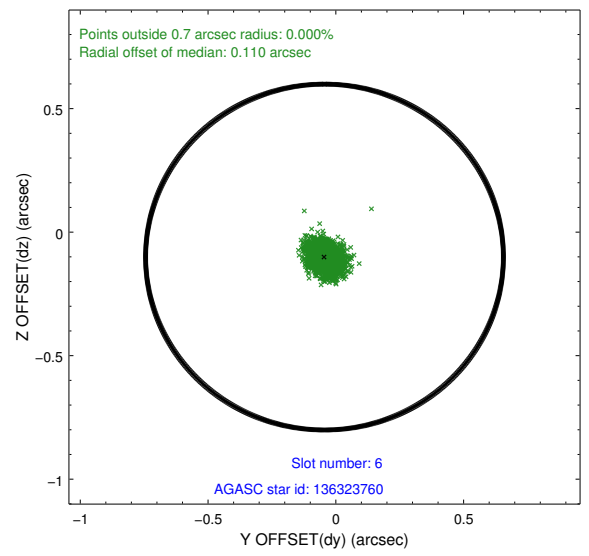
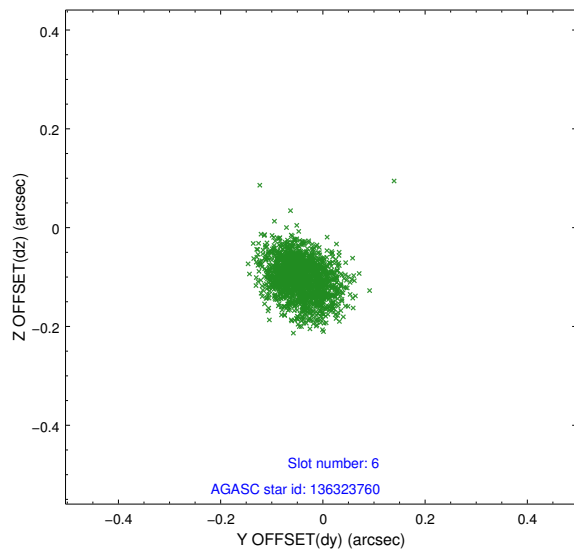
2.4.3 Slot 5



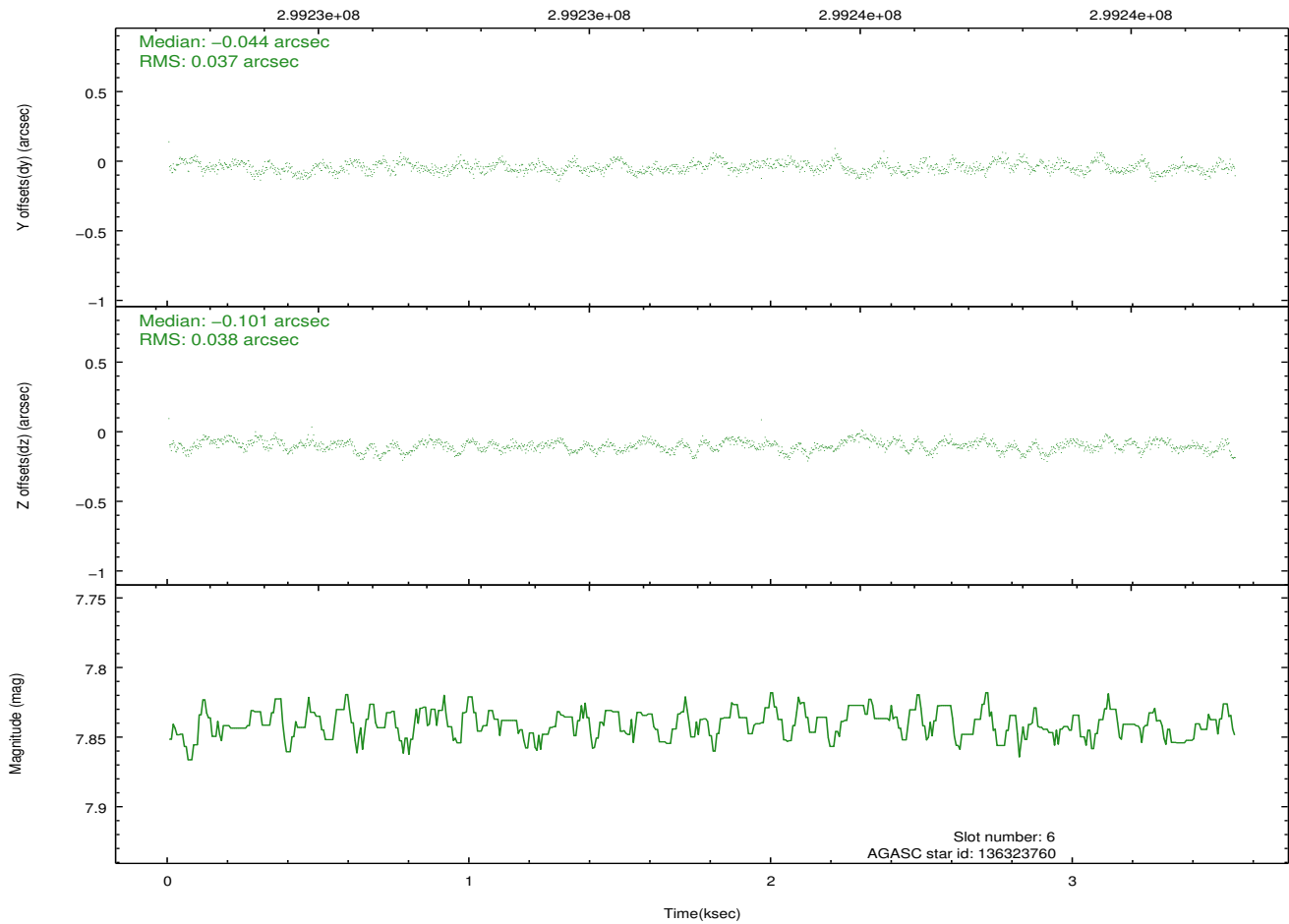
Time (s)



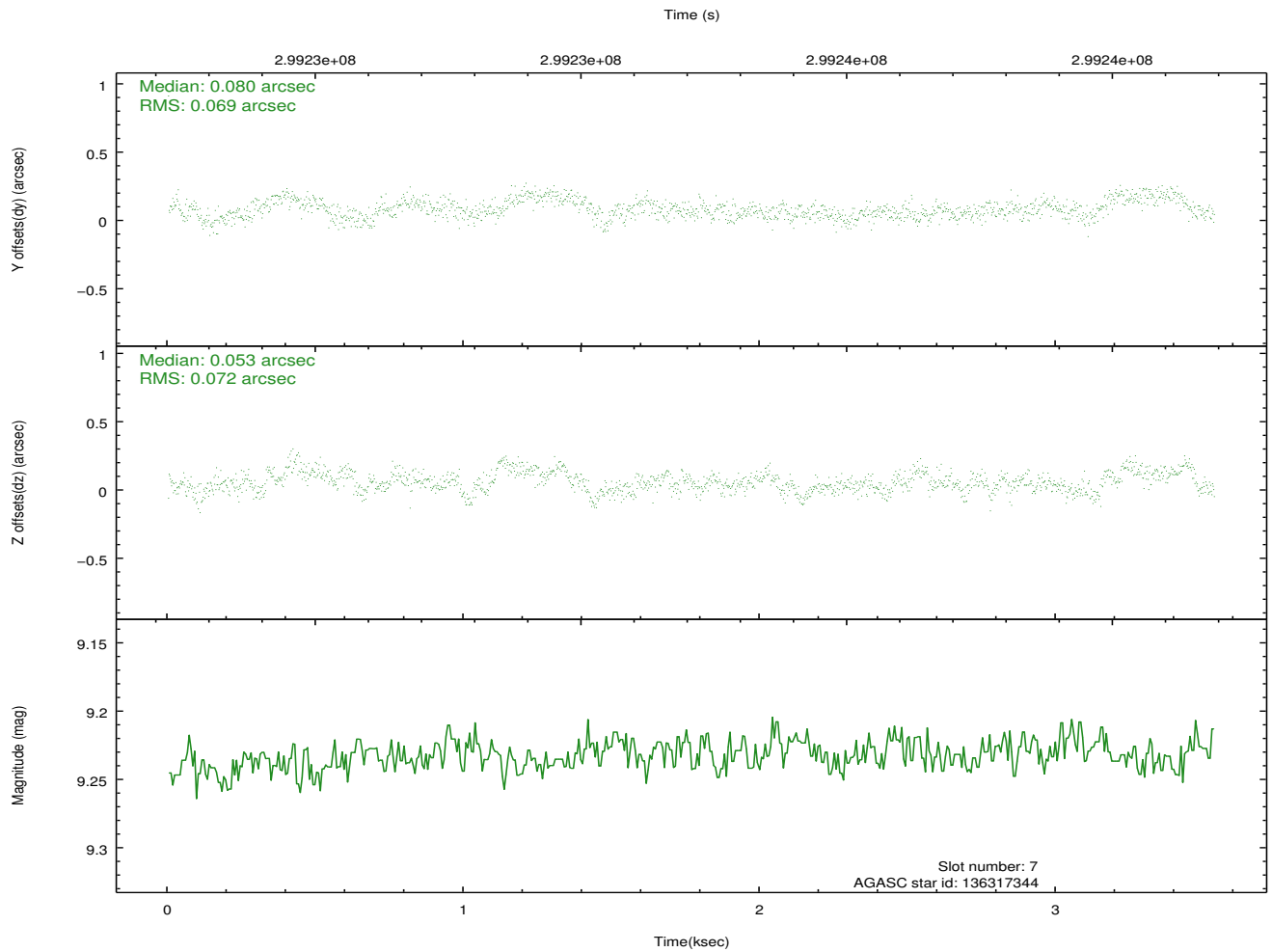
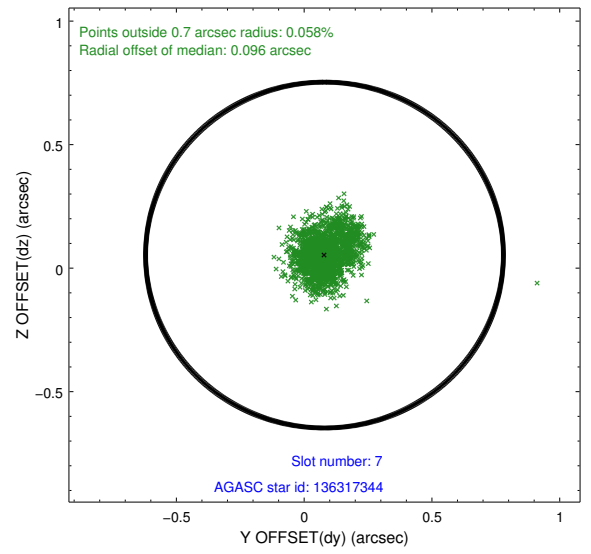
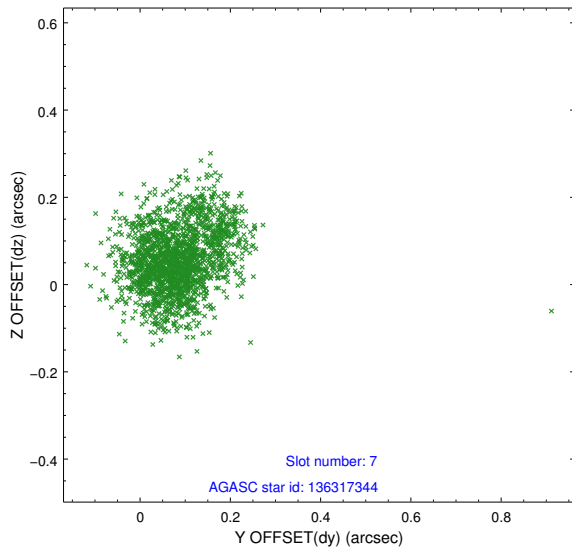
2.4.4 Slot 6



Time (s)

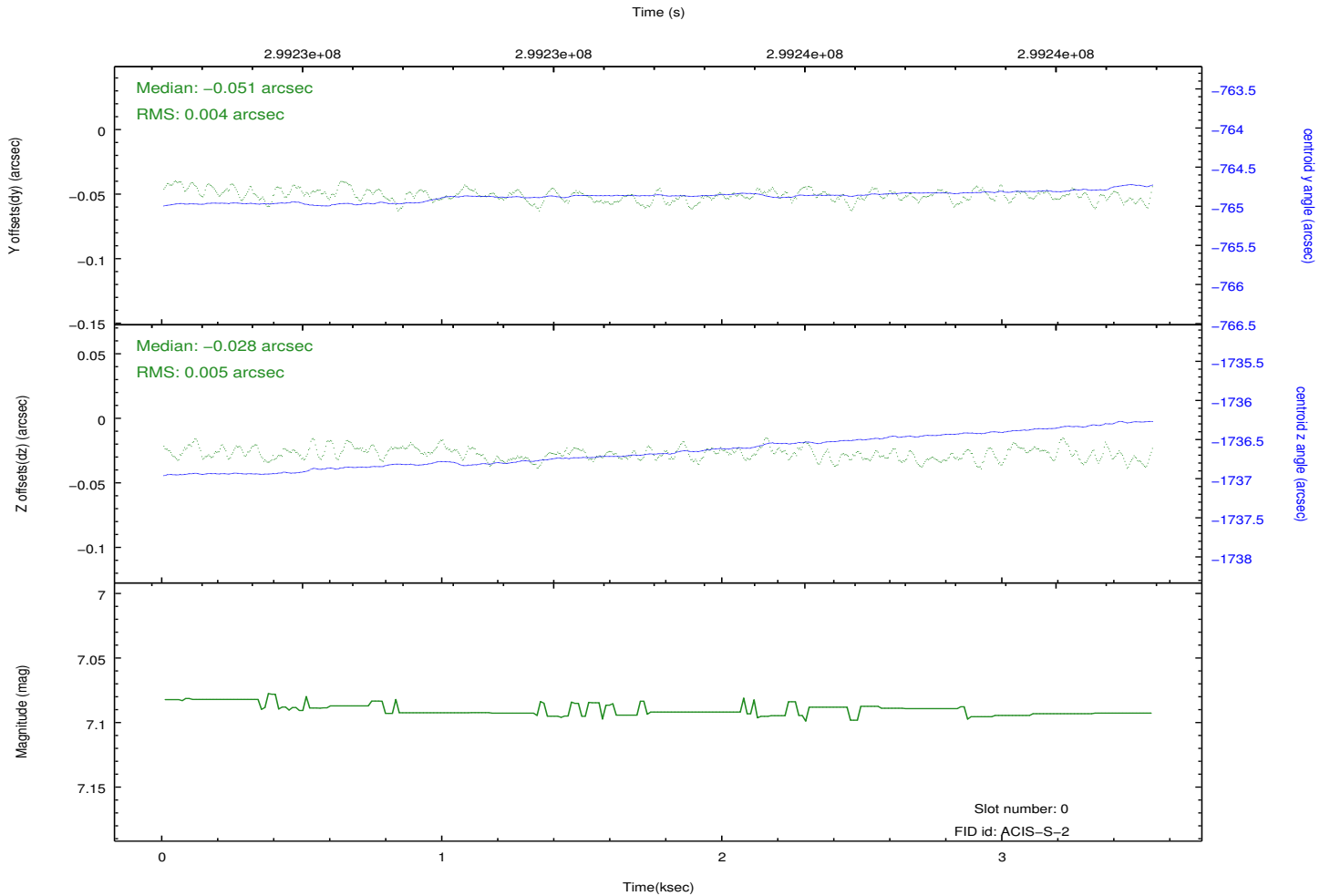
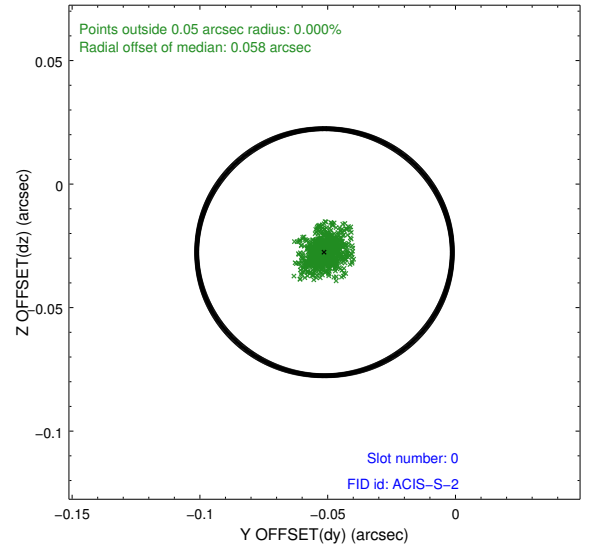
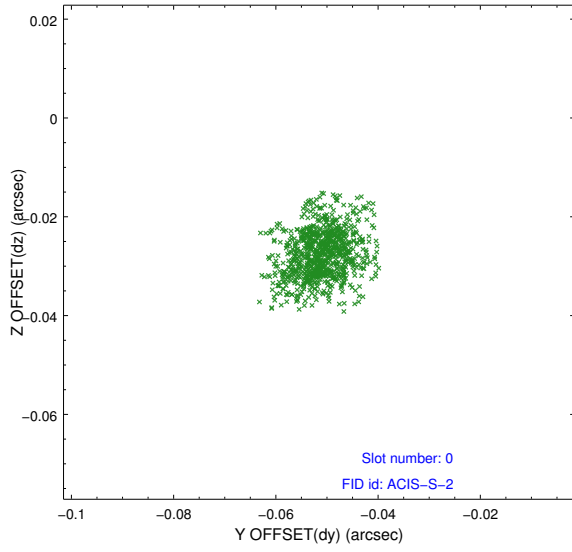


2.4.5 Slot 7

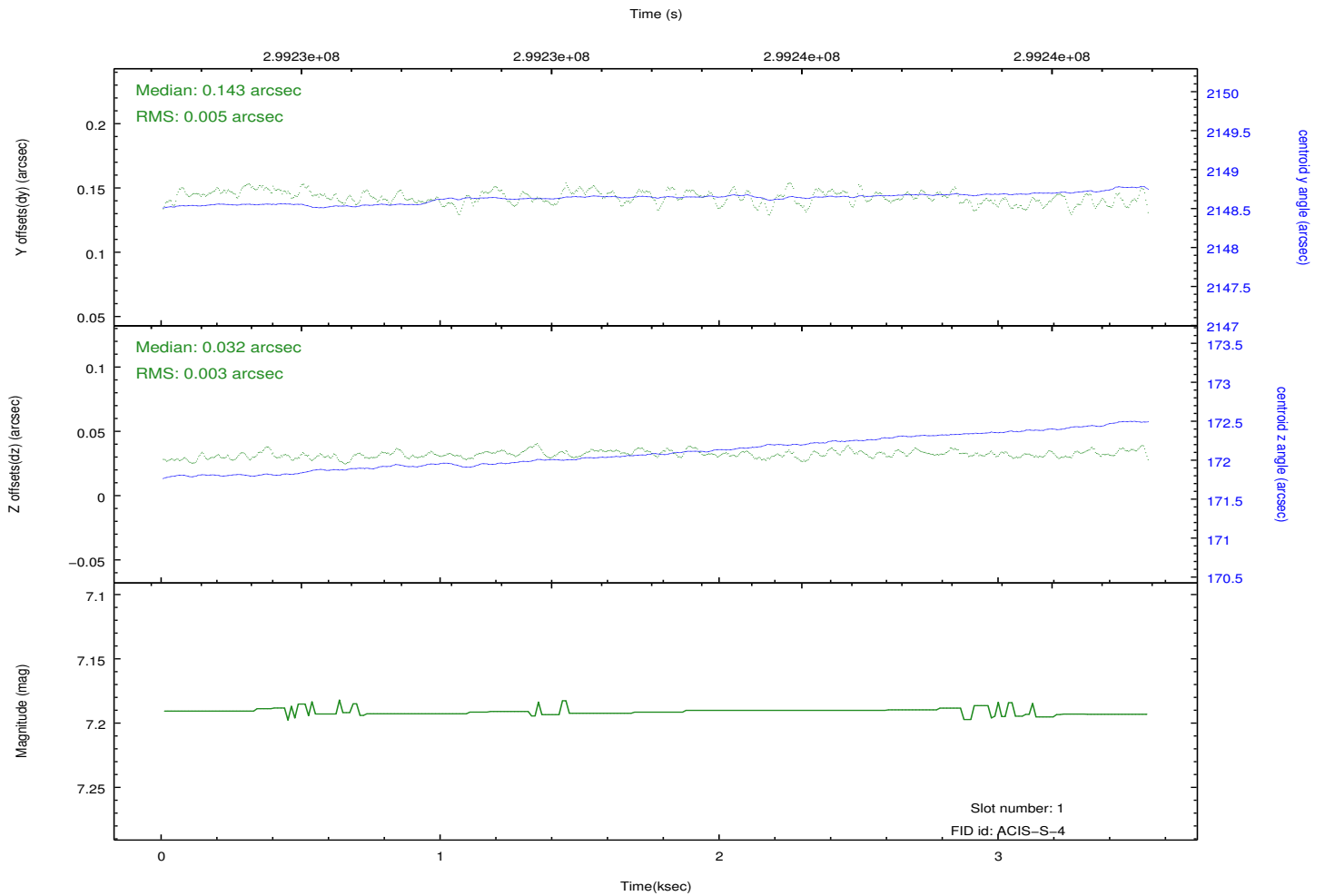
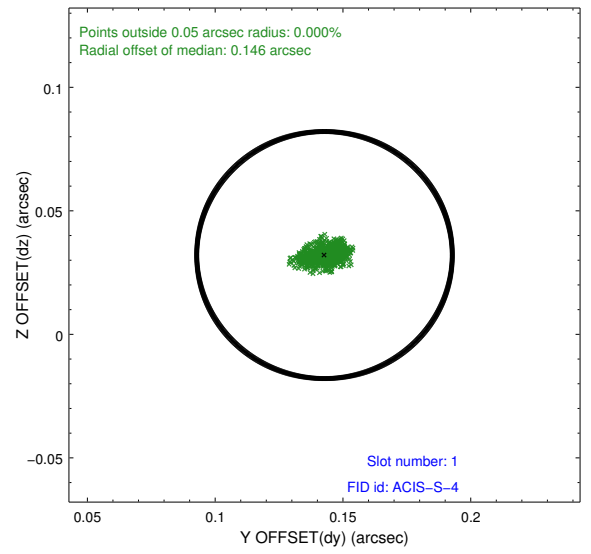
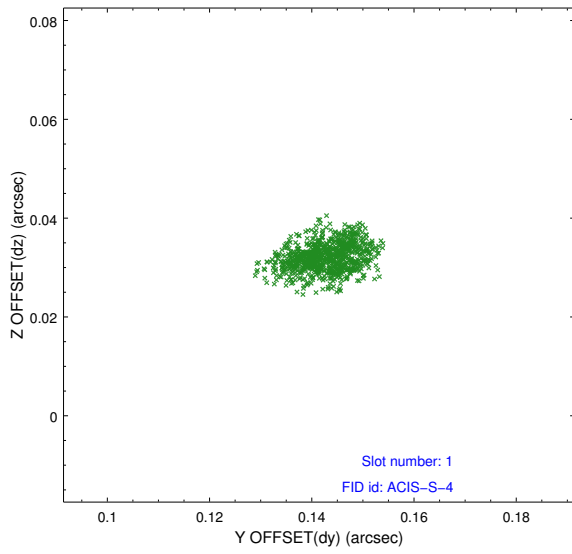


2.5 FID Slots

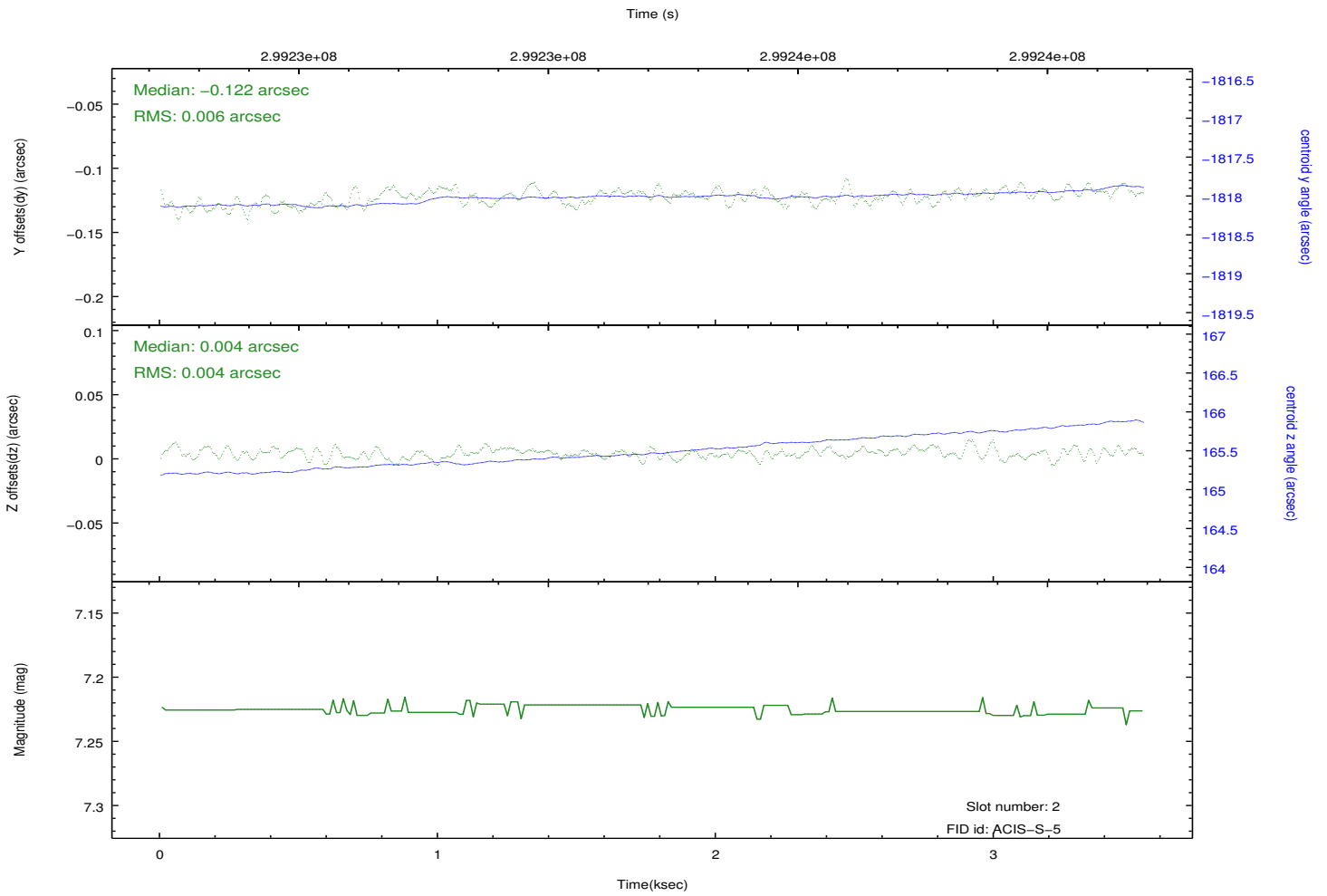
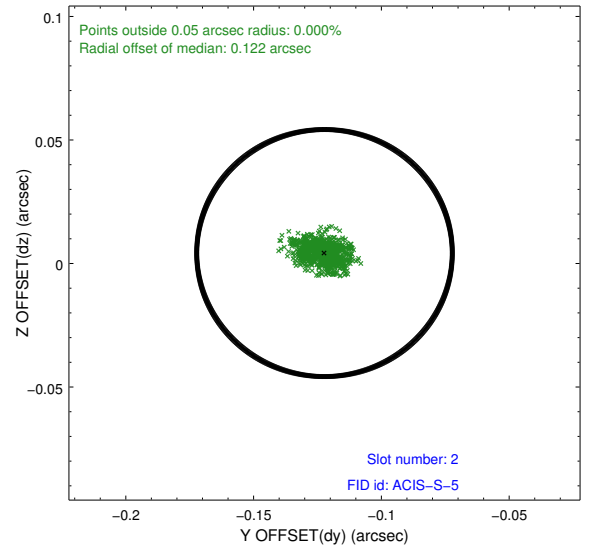
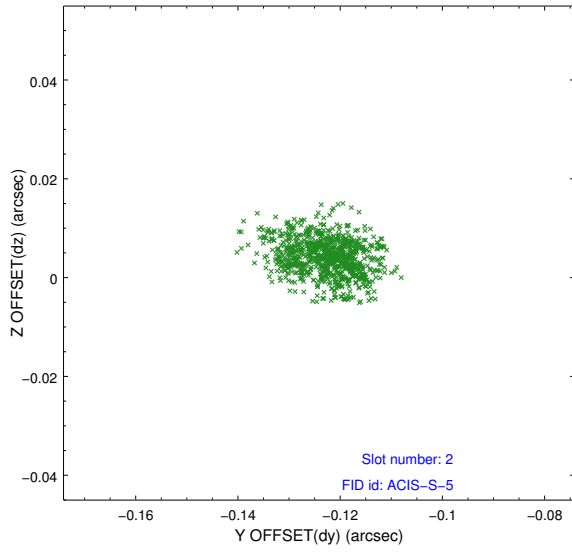
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.52780002

A.2 Comments