

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12512 - L2 Version 2
Chandra X-Ray Center

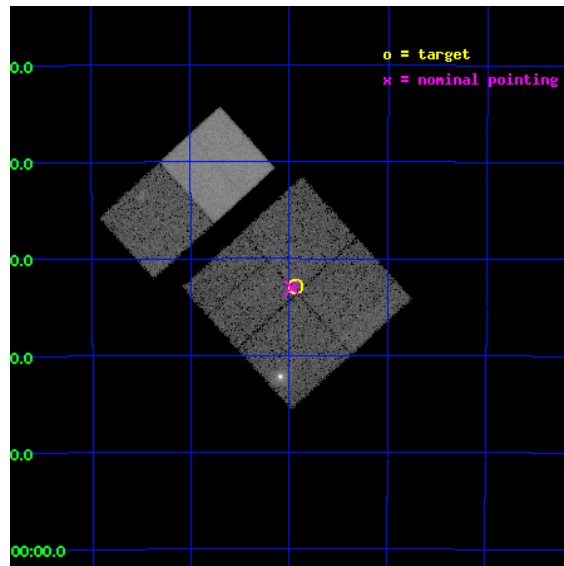
L2 Processing Date : Feb 13 2012

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1 Front

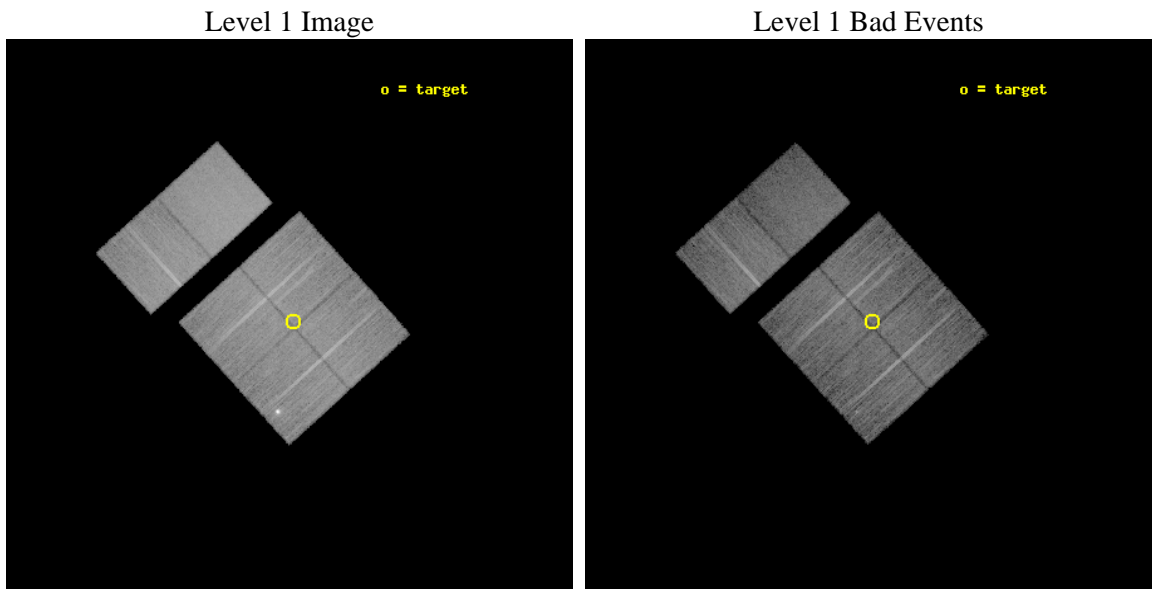
seq_num	401253	Sequence number
obs_id	12512	Observation id
title	Census of the Normal Spiral Arm Region	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	Norma Region	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.732741	Observer's specified target RA [deg]
dec_targ	-46.546999	Observer's specified target Dec [deg]
ra_nom	249.743369615	Nominal RA [deg]
dec_nom	-46.550407451062	Nominal Dec [deg]
roll_nom	317.71641765122	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20716.799922884	Sum of GTIs [s]
livetime	20454.471328101	Livetime [s]
ontime0	20716.799922884	Sum of GTIs [s]
ontime1	20716.799922884	Sum of GTIs [s]
ontime2	20716.799922884	Sum of GTIs [s]
ontime3	20716.799922884	Sum of GTIs [s]
ontime6	20716.799922884	Sum of GTIs [s]
ontime7	20716.799922884	Sum of GTIs [s]
l2events	143275	Number of level 2 events



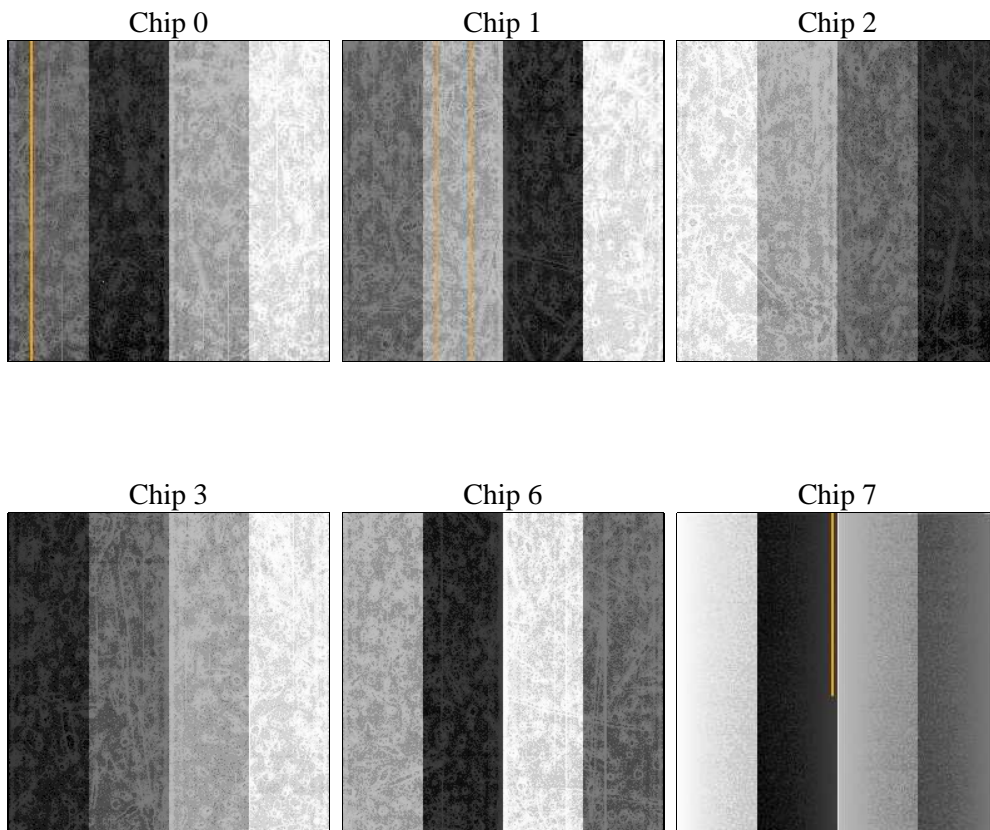
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20661.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	20716.799922884	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	20716.799922884	Sum of GTIs [s]
date	2012-02-13T11:59:58	Date and time of file creation	ontime1	20716.799922884	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20716.799922884	Sum of GTIs [s]
			ontime3	20716.799922884	Sum of GTIs [s]
			ontime6	20716.799922884	Sum of GTIs [s]
			ontime7	20716.799922884	Sum of GTIs [s]
			l1events	759789	Number of level 1 events

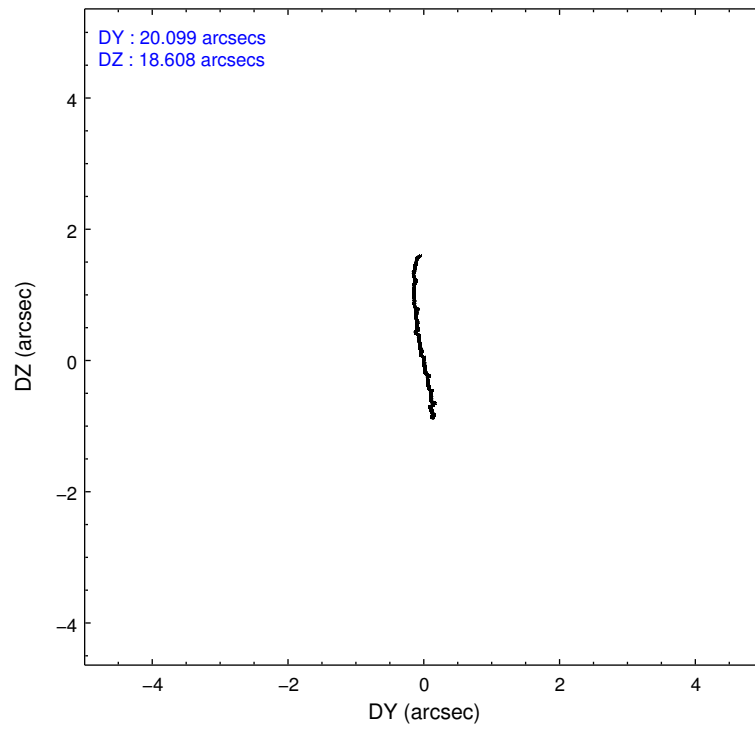
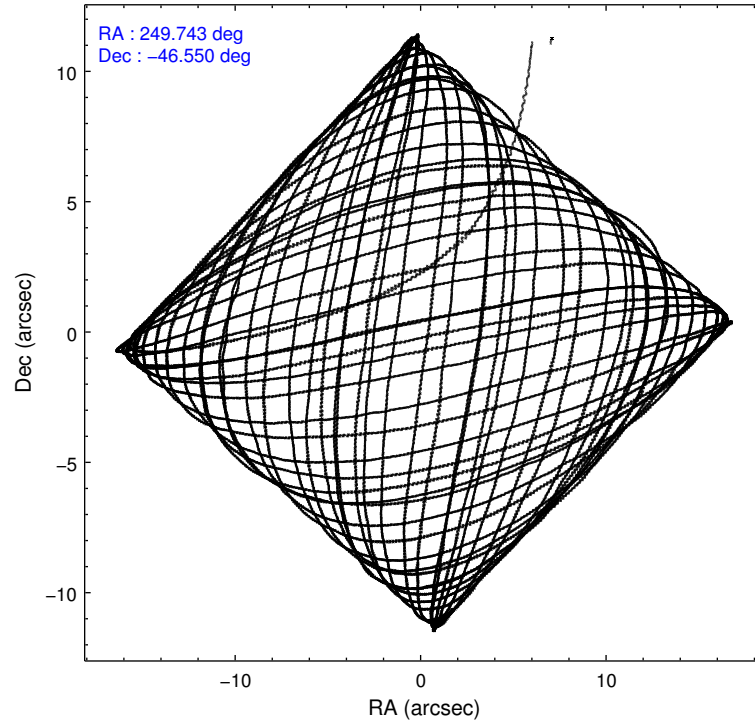
2.1.4 Events

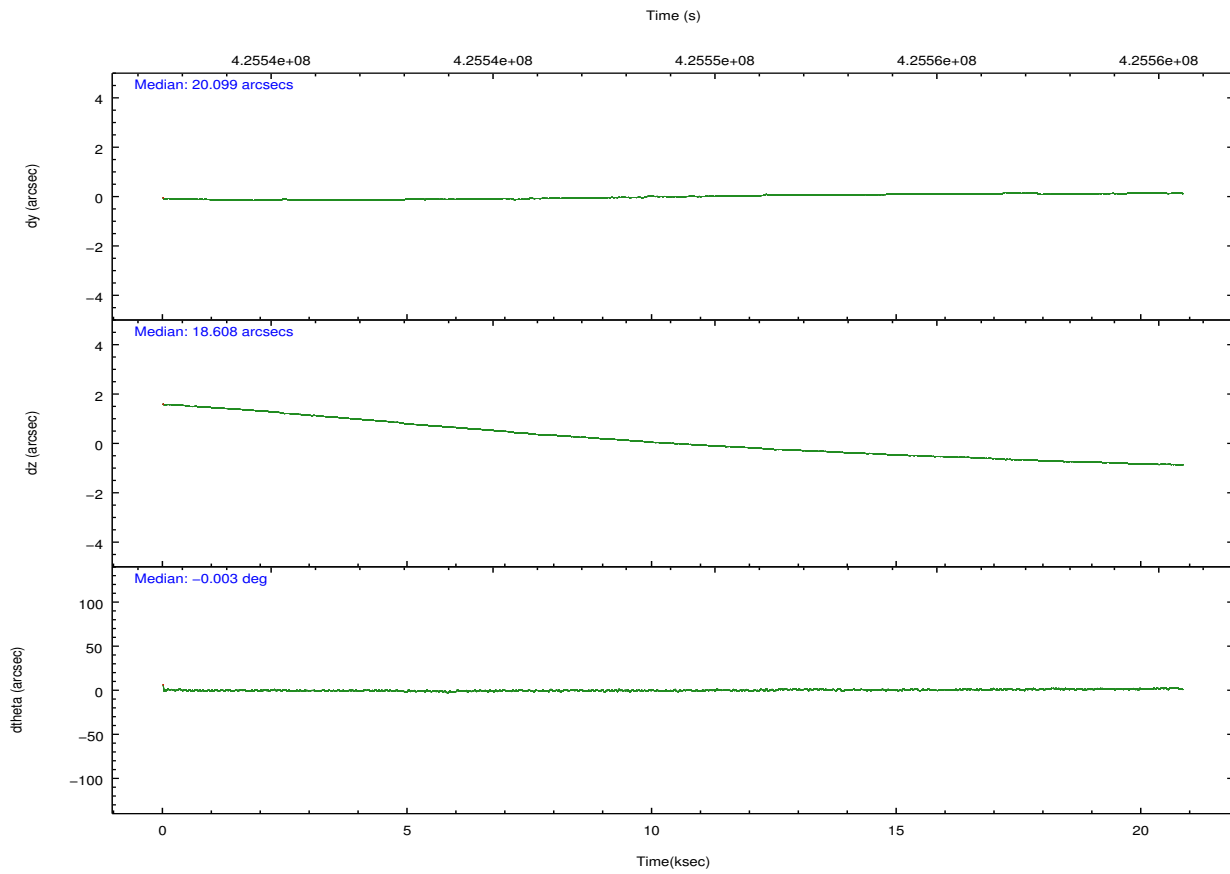
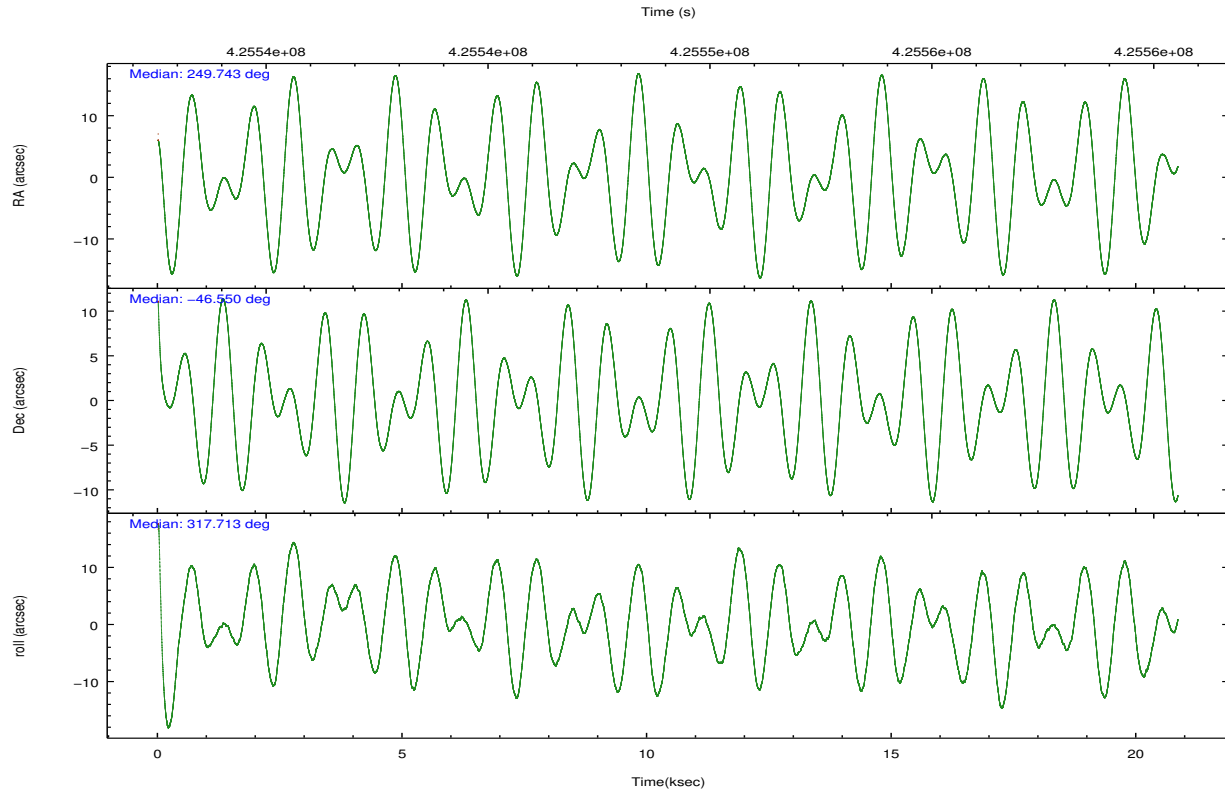
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	119491	114107	120970	120102	127480	157639	grade 0 events	9904	6800	6289	5620	6776	6508
rejected events	97260	96868	105654	105777	110614	86897		8%	5%	5%	4%	5%	4%
rejected %	81%	84%	87%	88%	86%	55%	grade 1 events	110	81	76	86	68	164
								0%	0%	0%	0%	0%	0%
							grade 2 events	4827	3821	3446	3035	3633	14484
								4%	3%	2%	2%	2%	9%
							grade 3 events	1885	1695	1385	1447	1630	6222
								1%	1%	1%	1%	1%	3%
							grade 4 events	1876	1694	1466	1512	1518	6360
								1%	1%	1%	1%	1%	4%
							grade 5 events	5115	5582	4923	5906	6106	16495
								4%	4%	4%	4%	4%	10%
							grade 6 events	3749	3235	2733	2717	3312	37196
								3%	2%	2%	2%	2%	23%
							grade 7 events	92025	91199	100652	99779	104437	70210
								77%	79%	83%	83%	81%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	249.704296	249.7433696149953	CCD I2 on	Y	Y
[deg] Pointing Dec	-46.544670	-46.55040745106171	CCD I3 on	Y	Y
[deg] Pointing Roll	317.479354	317.7164176512167	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	425538826.184000	425537575.59138	CCD S5 on	N	N
Observation start date	2011-06-27T05:12:40	2011-06-27T04:52:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	425559487.184000	425559621.29253	On-chip summing requested	N	N
Observation end date	2011-06-27T10:57:01	2011-06-27T11:00:21	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



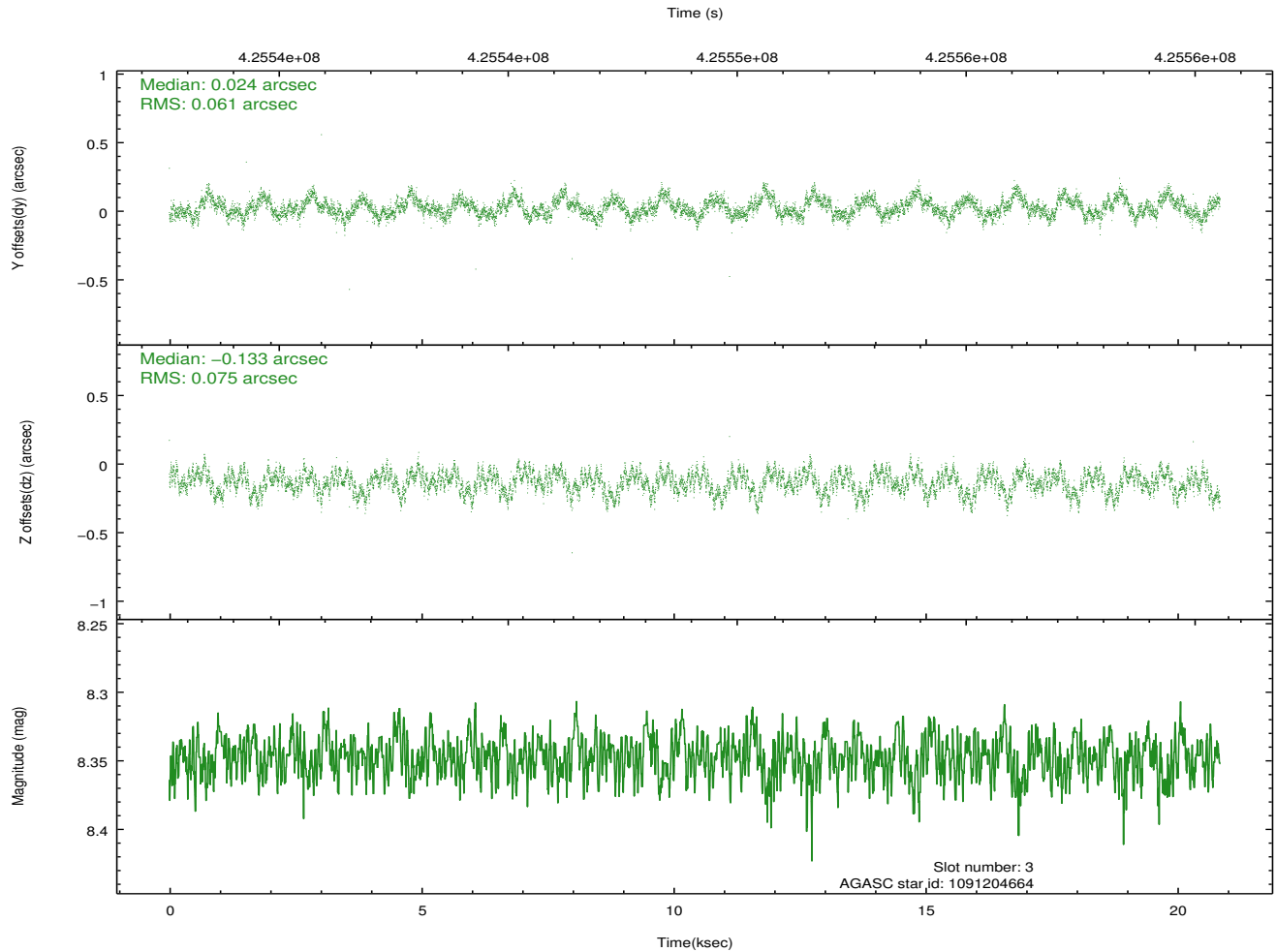
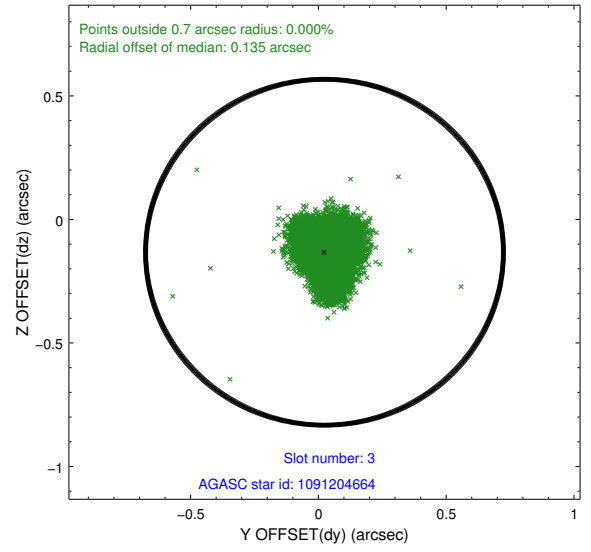
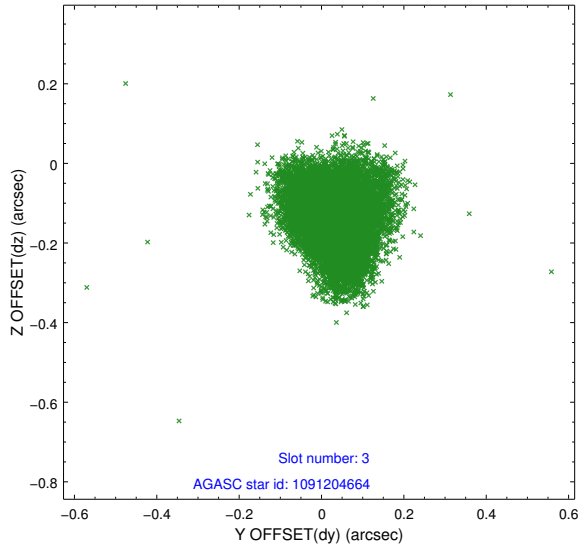


Slot Statistics

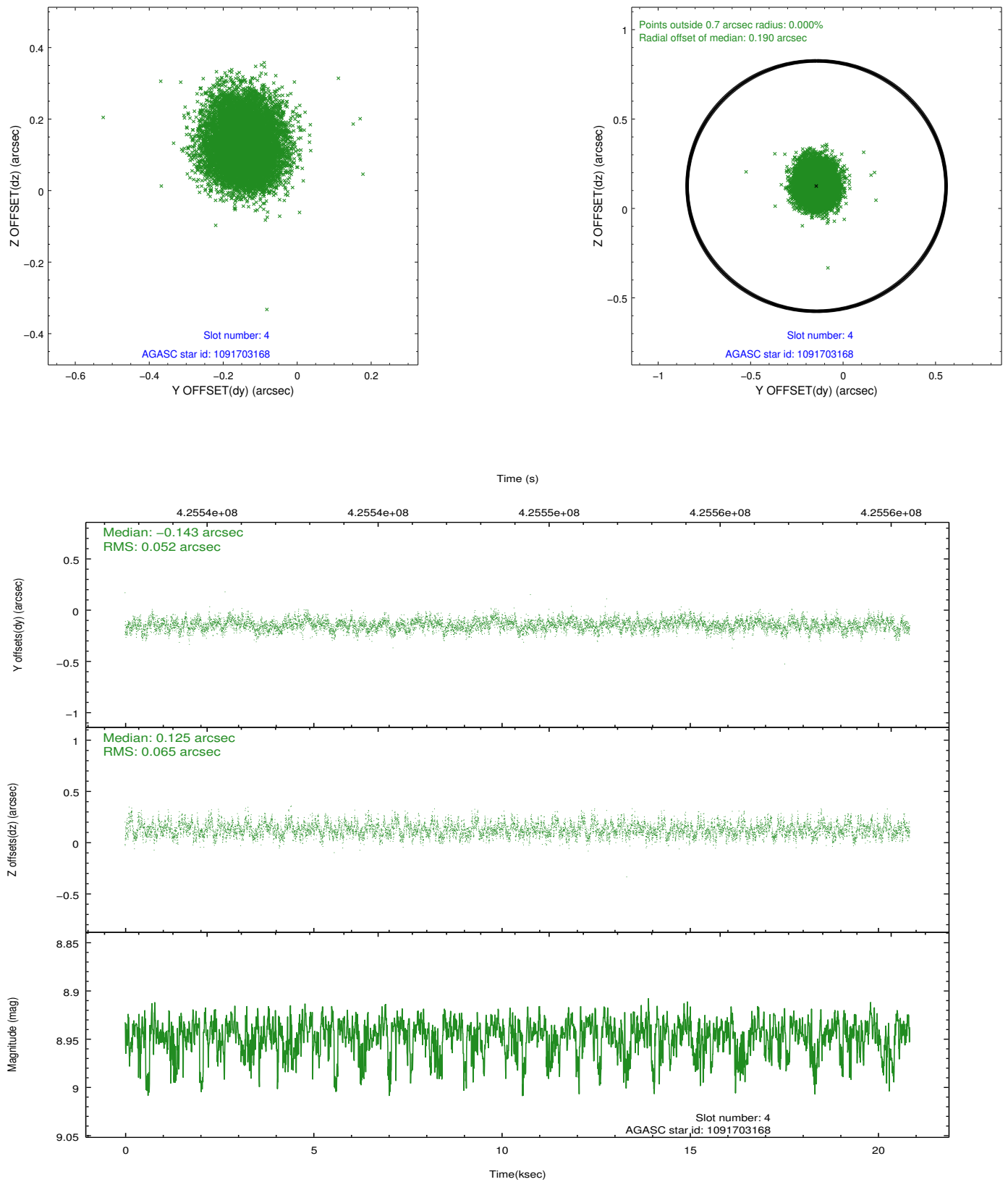
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	6.96	5083	0.114	0.063	0.015	0.024	0.000000	0.000000	2139.28	1057.55
1	FID	ACIS-I-5	7.01	5084	-0.271	0.034	0.010	0.015	0.000000	0.000000	-1828.84	1055.31
2	FID	ACIS-I-6	7.04	5083	0.058	-0.031	0.020	0.028	0.000000	0.000000	384.60	1699.63
3	GUIDE	1091204664	8.35	10167	0.024	-0.133	0.104	0.164	248.658352	-46.526357	-1941.55	-1714.90
4	GUIDE	1091703168	8.95	10162	-0.143	0.125	0.089	0.143	249.174634	-47.078871	346.16	-2297.94
5	GUIDE	1091709800	9.17	10142	-0.000	-0.009	0.136	0.211	249.801955	-47.310212	2040.41	-1871.00
6	GUIDE	1091197728	9.35	10157	-0.025	0.116	0.133	0.240	248.676222	-46.686919	-1512.97	-2105.37
7	GUIDE	1091705272	9.63	10117	0.149	-0.099	0.161	0.259	249.477650	-47.308944	1453.20	-2402.31

2.4 Star Slots

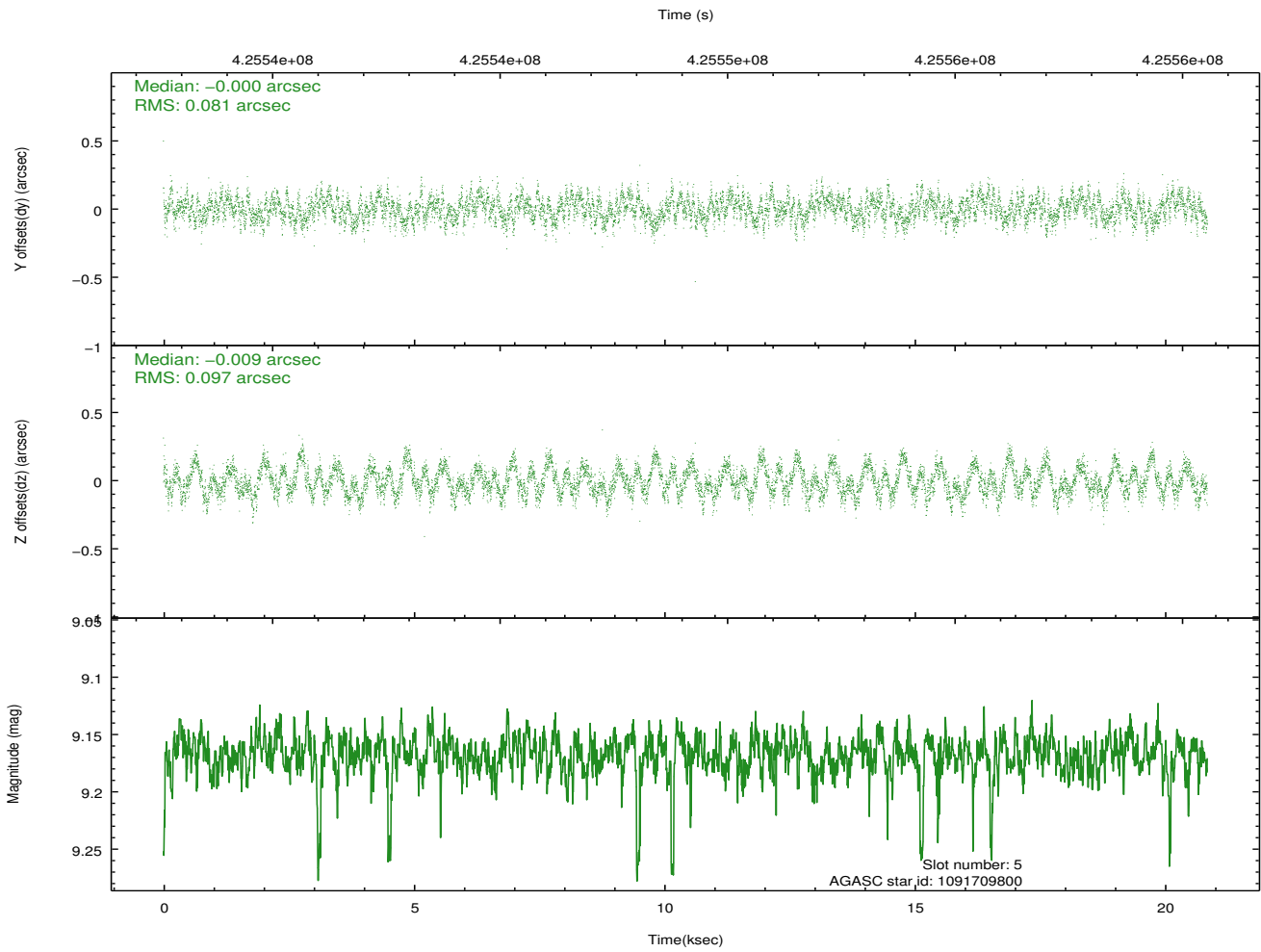
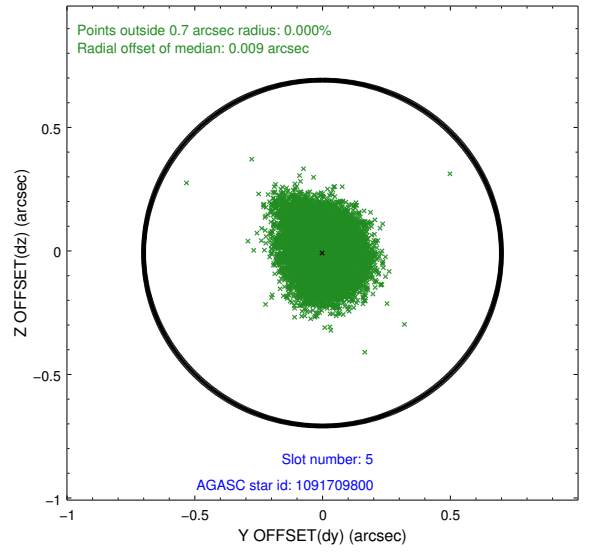
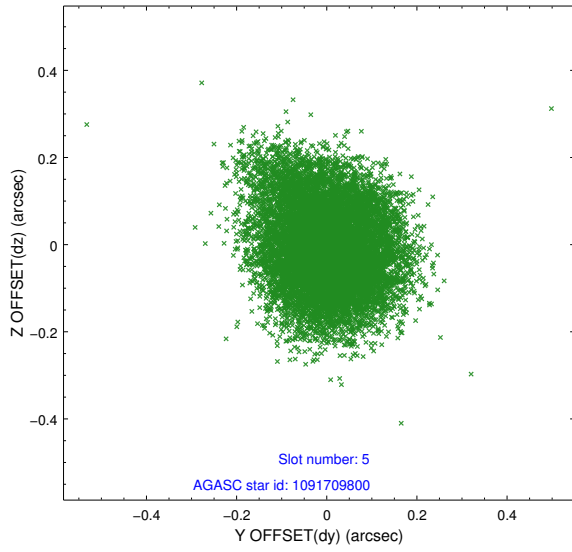
2.4.1 Slot 3



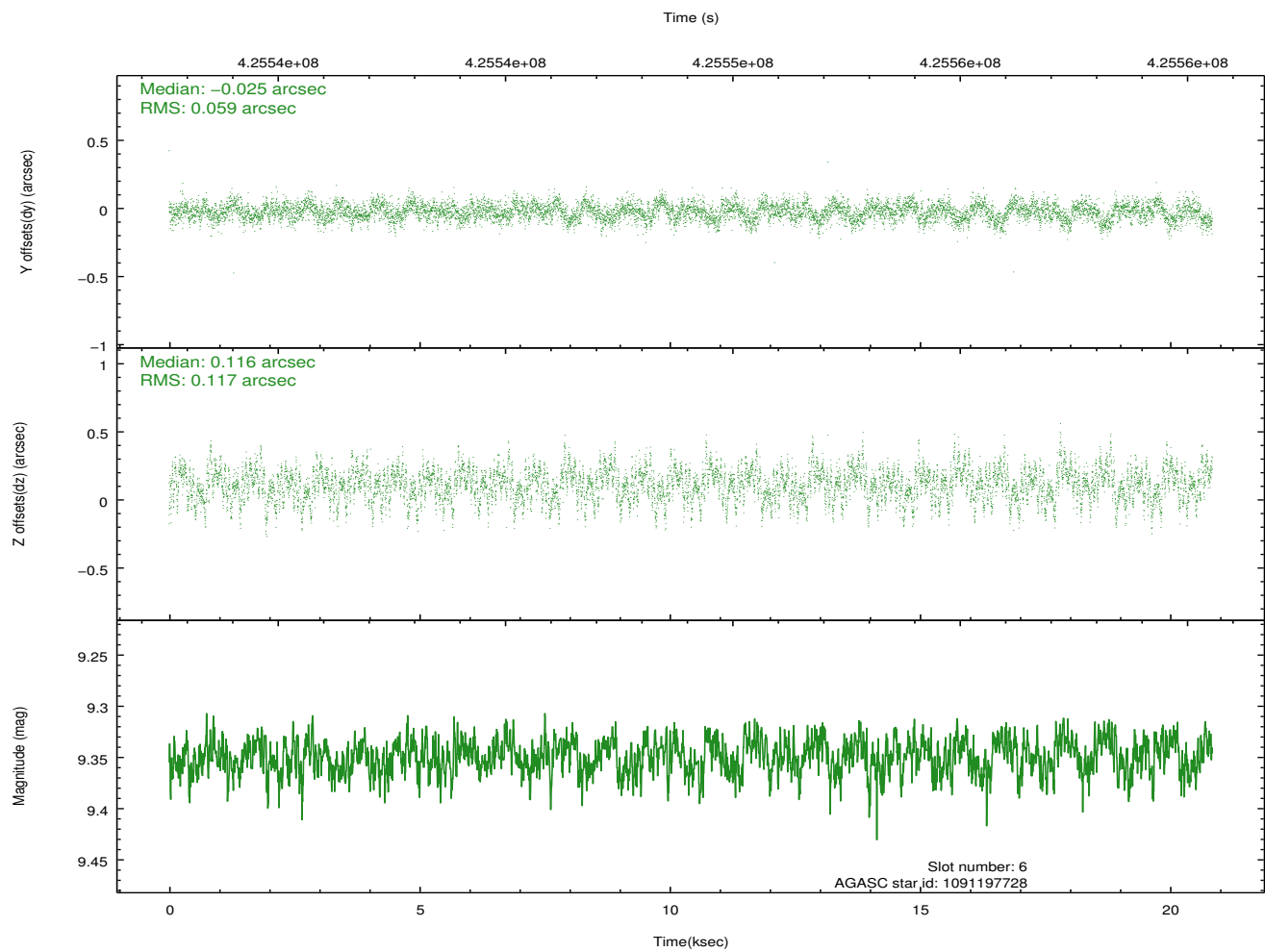
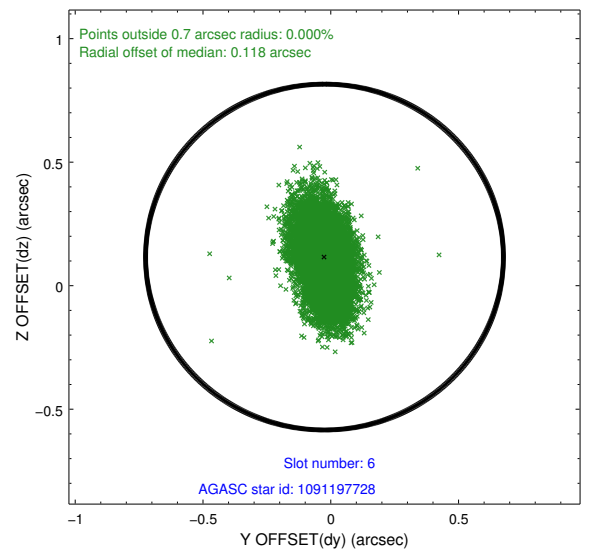
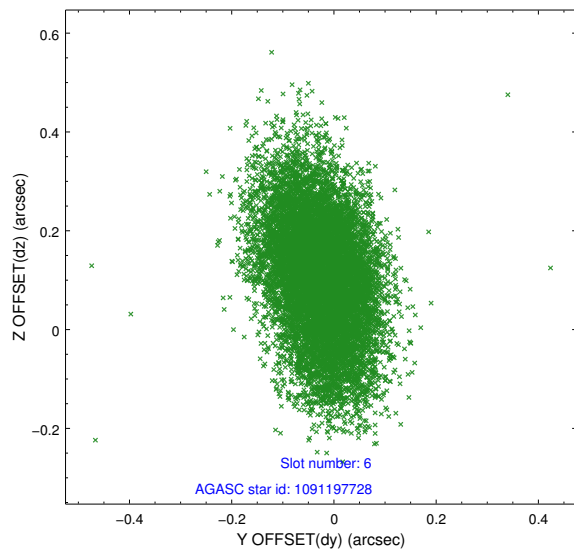
2.4.2 Slot 4



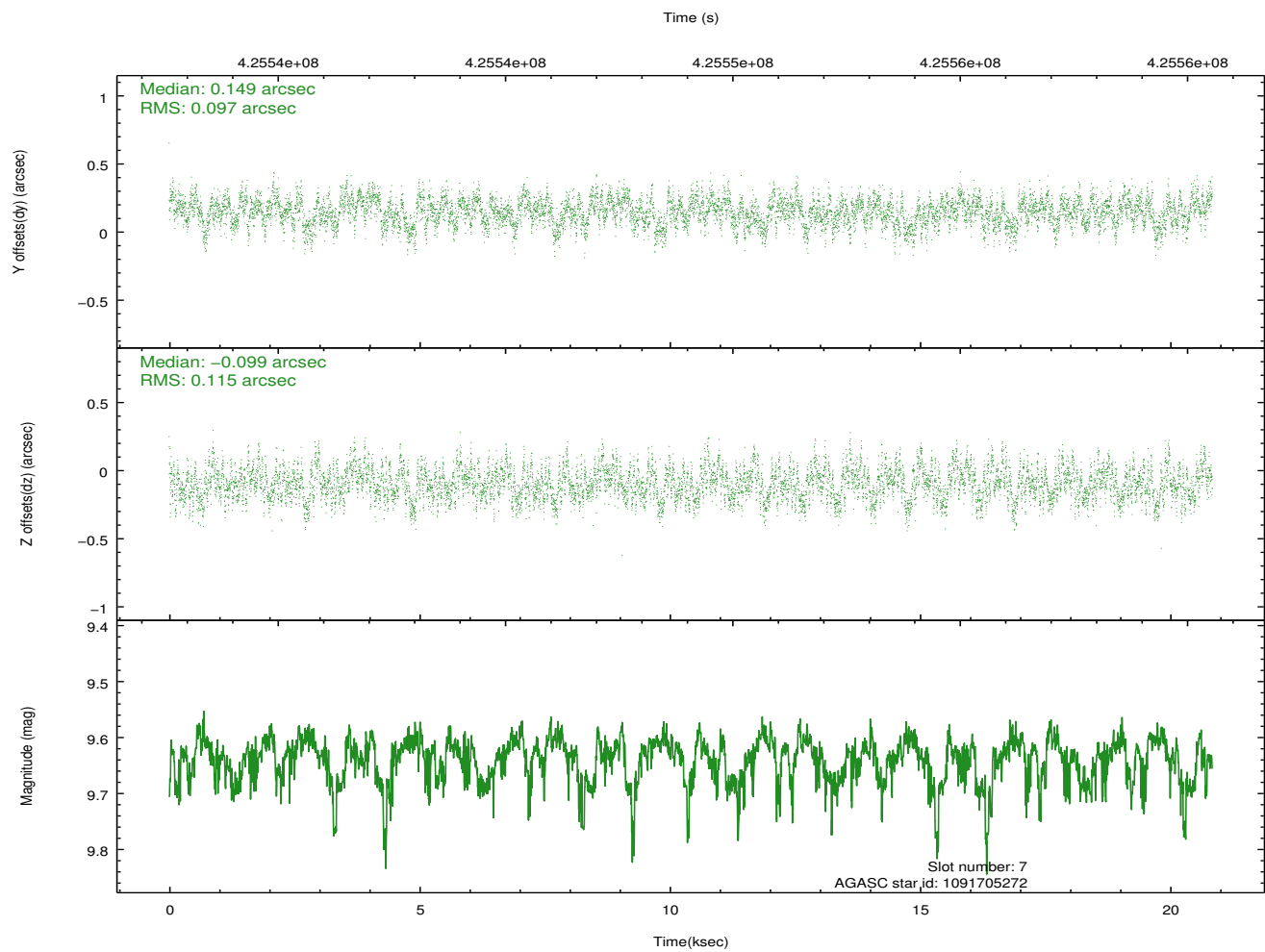
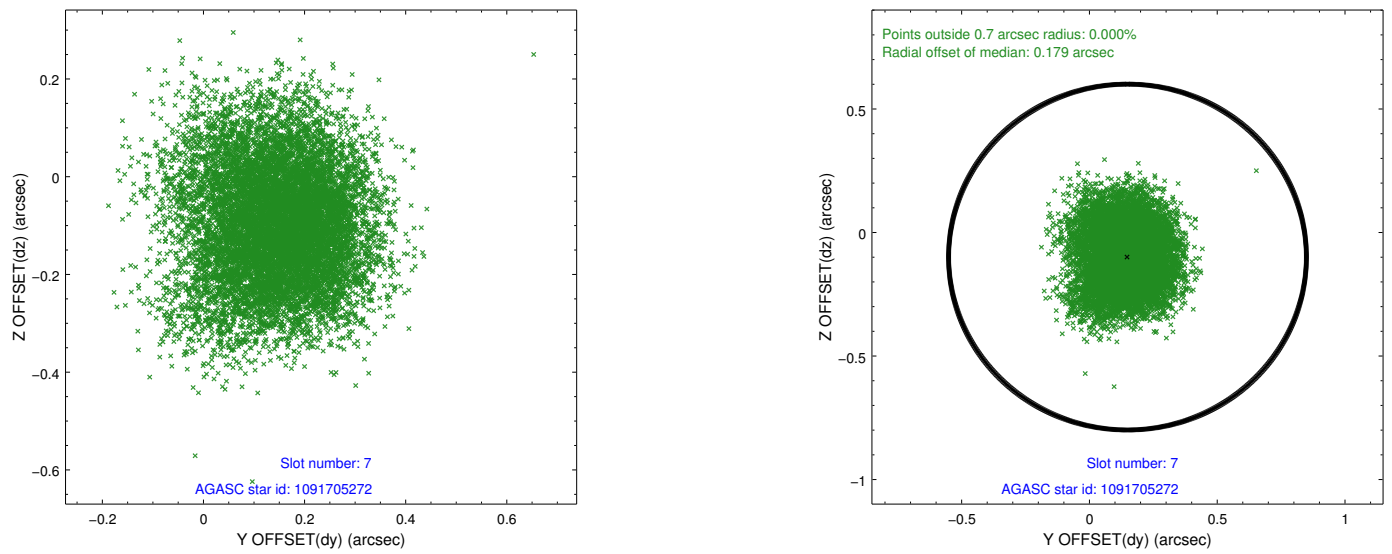
2.4.3 Slot 5



2.4.4 Slot 6

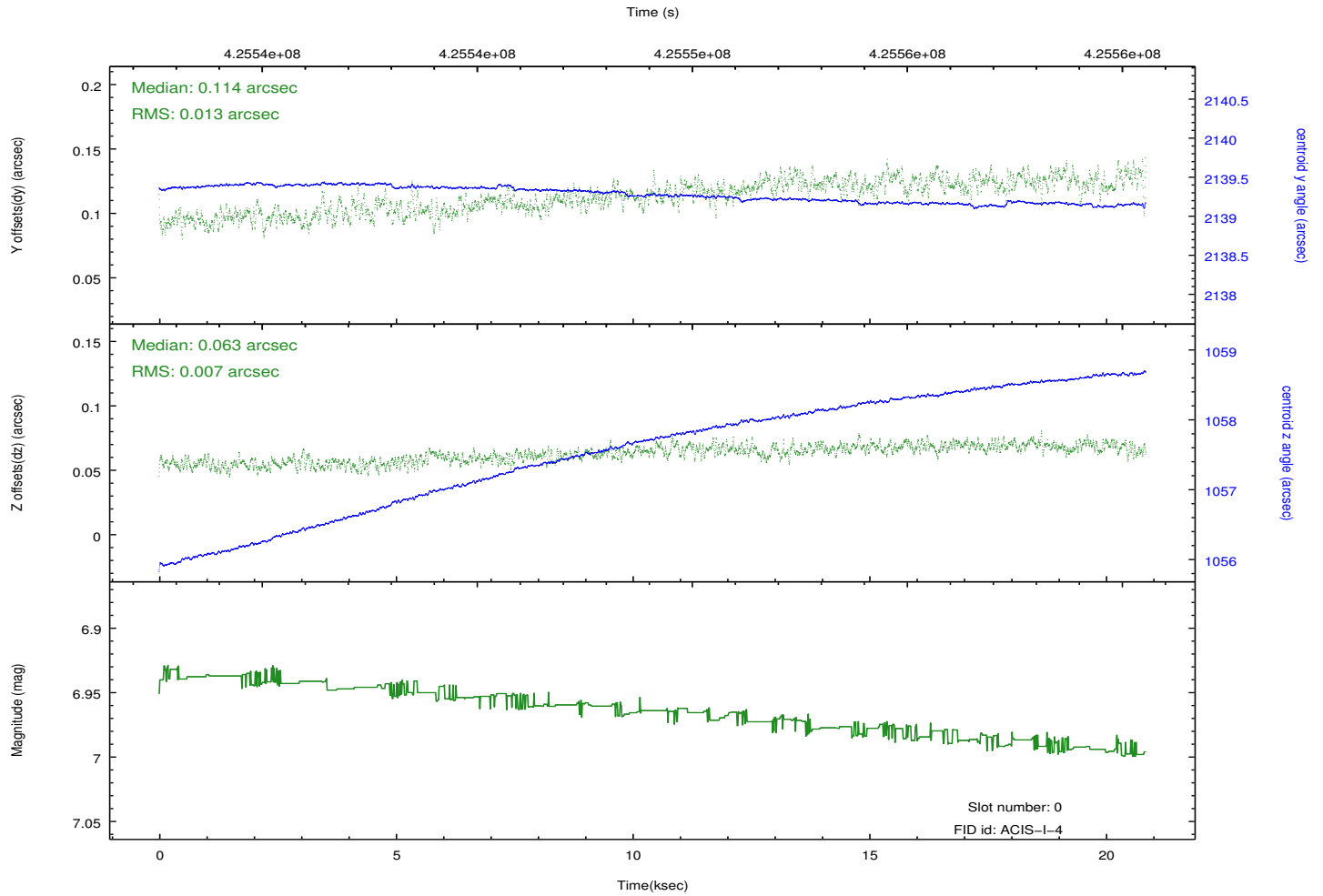
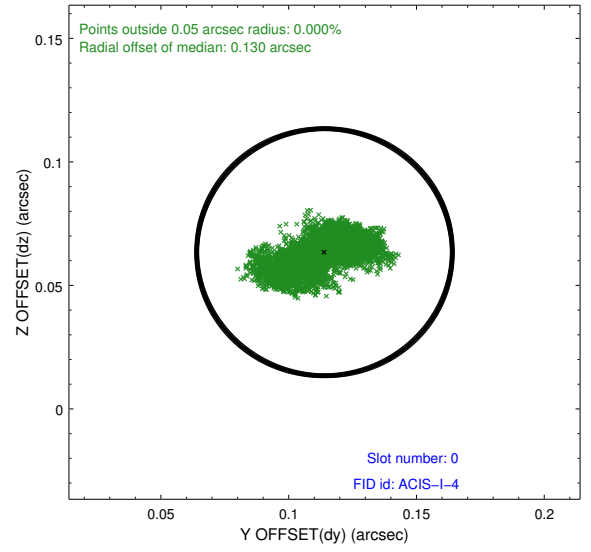
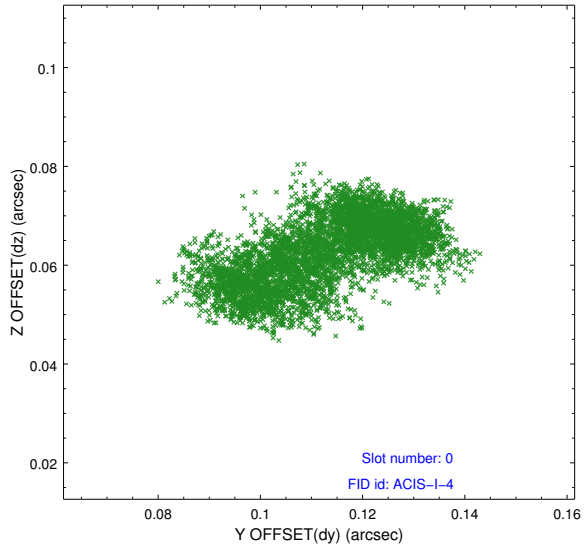


2.4.5 Slot 7

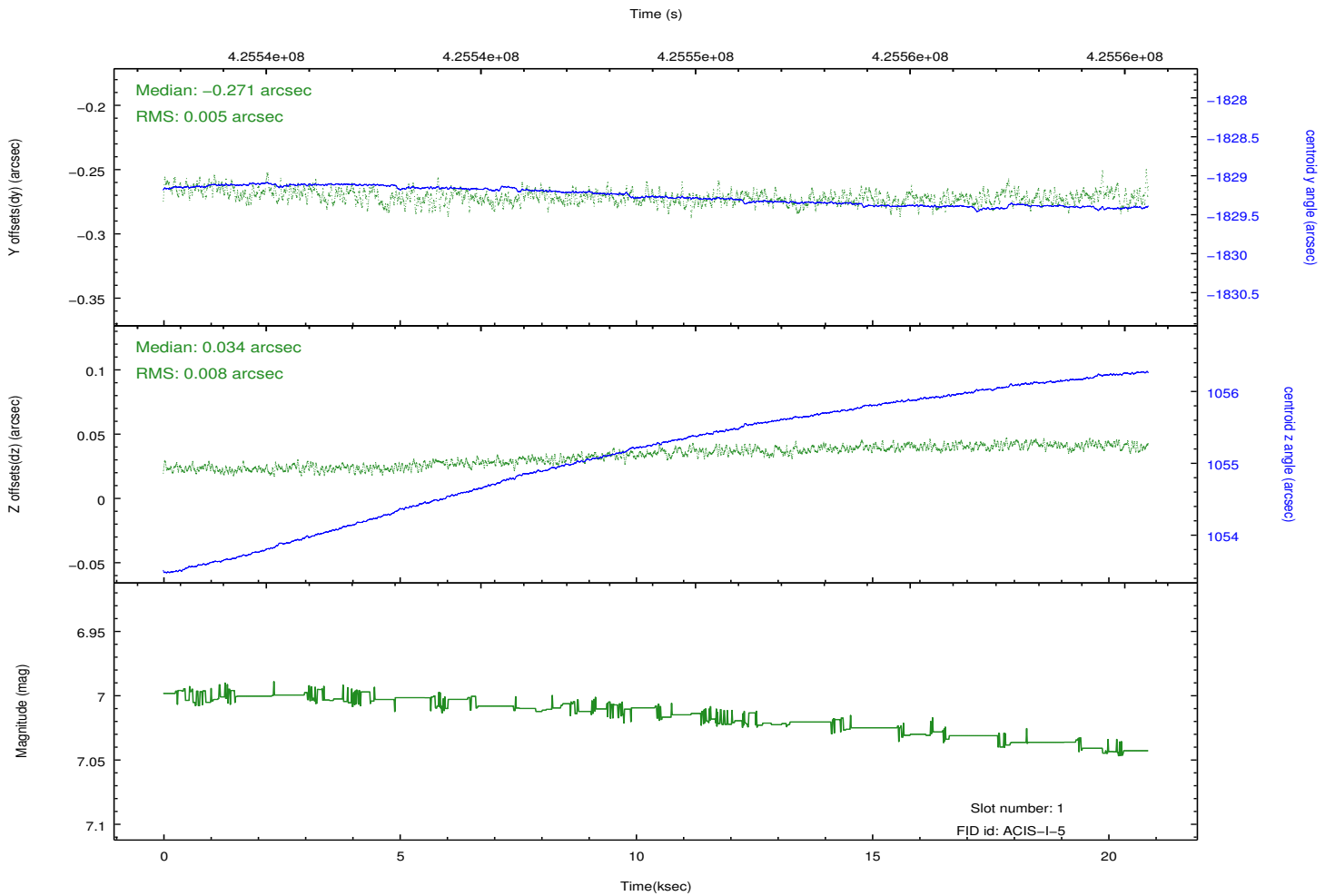
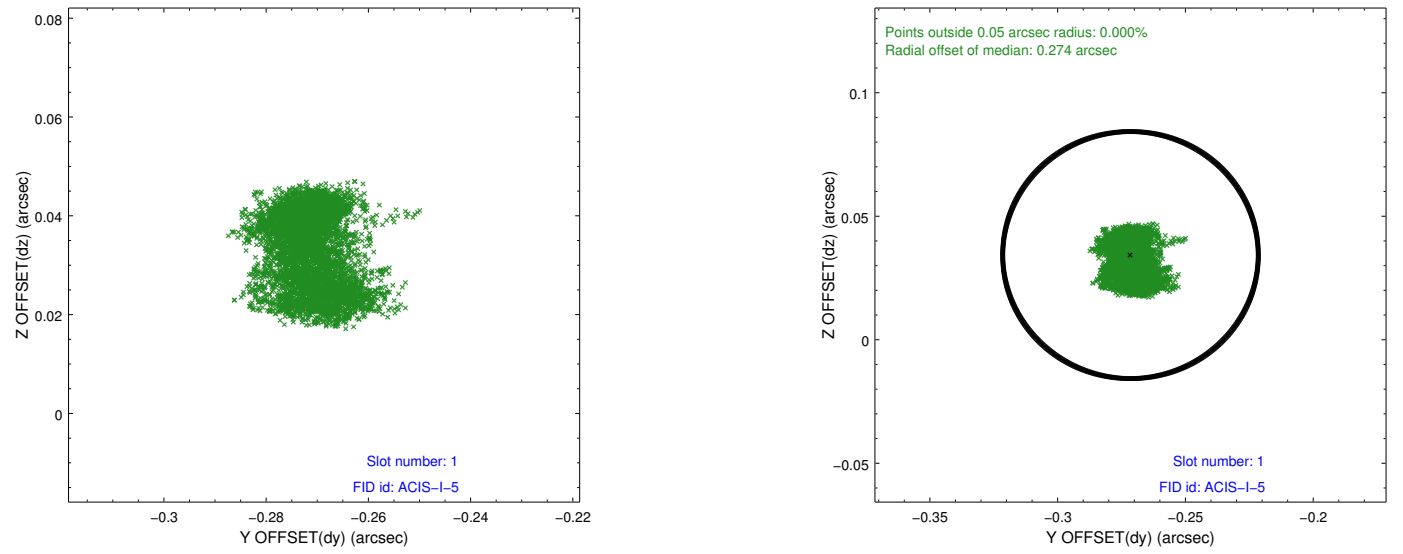


2.5 FID Slots

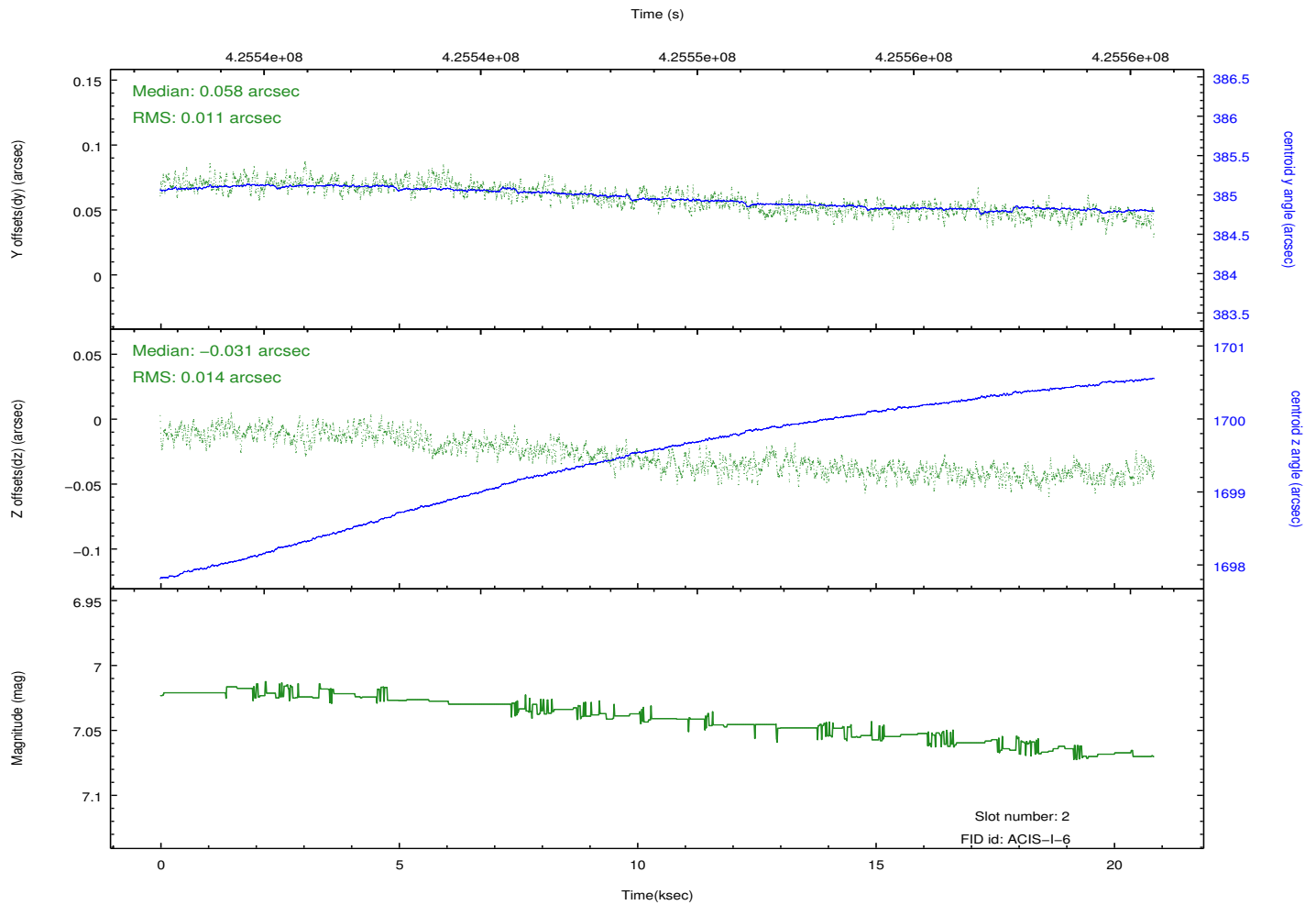
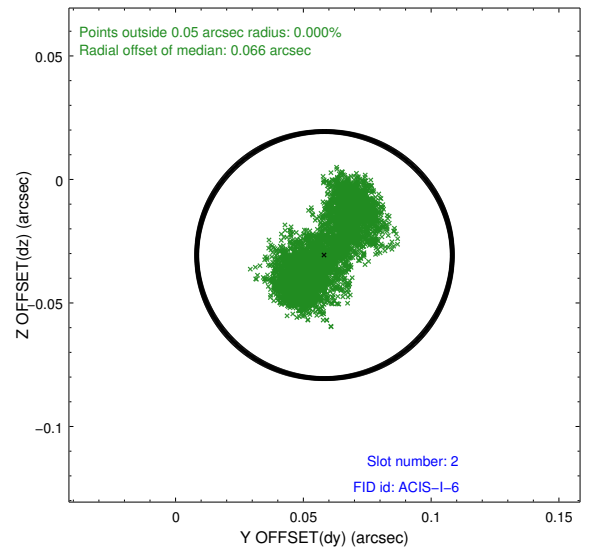
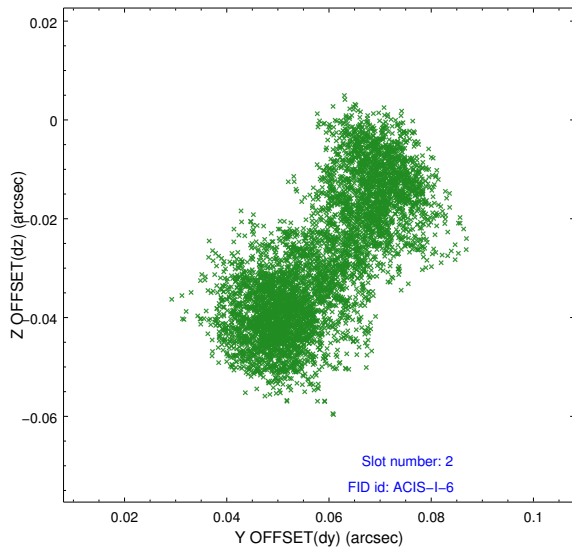
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.716799922884

A.2 Comments

Joint Proposal: NOAO