

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7263 - L2 Version 2
Chandra X-Ray Center

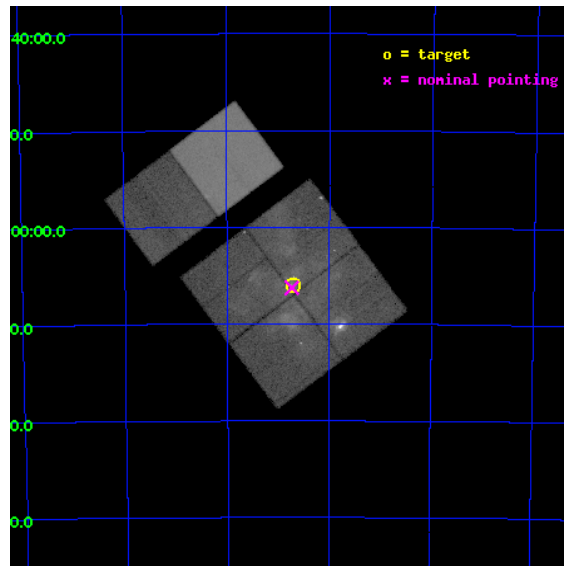
L2 Processing Date : Mar 24 2012

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1 Front

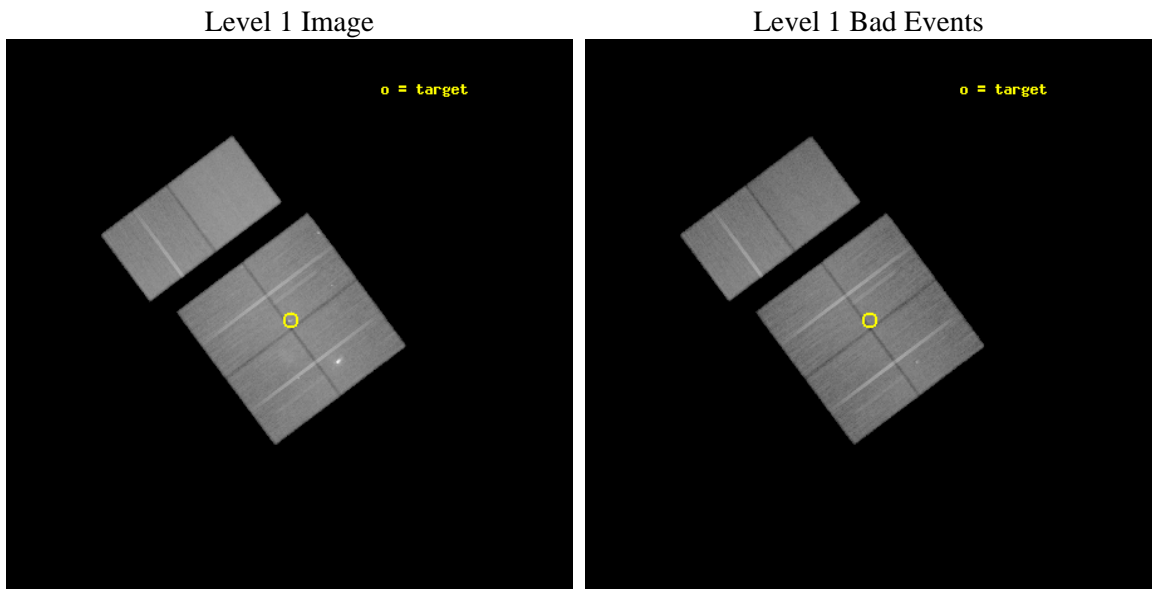
seq_num	600425	Sequence number
obs_id	7263	Observation id
title	30 Doradus: Our Starburst Microscope	Proposal title
observer	Dr. Leisa Townsley	Principal investigator
object	30 Doradus	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	84.676667	Observer's specified target RA [deg]
dec_targ	-69.100556	Observer's specified target Dec [deg]
ra_nom	84.683252874527	Nominal RA [deg]
dec_nom	-69.104573961116	Nominal Dec [deg]
roll_nom	323.21481592035	Nominal Roll [deg]
revision	2	Processing version of data
ontime	43073.761235833	Sum of GTIs [s]
livetime	42528.33533516	Livetime [s]
ontime0	43070.397245198	Sum of GTIs [s]
ontime1	43063.956235081	Sum of GTIs [s]
ontime2	43067.238374799	Sum of GTIs [s]
ontime3	43073.761235833	Sum of GTIs [s]
ontime6	43073.84331584	Sum of GTIs [s]
ontime7	43073.802275836	Sum of GTIs [s]
l2events	485807	Number of level 2 events



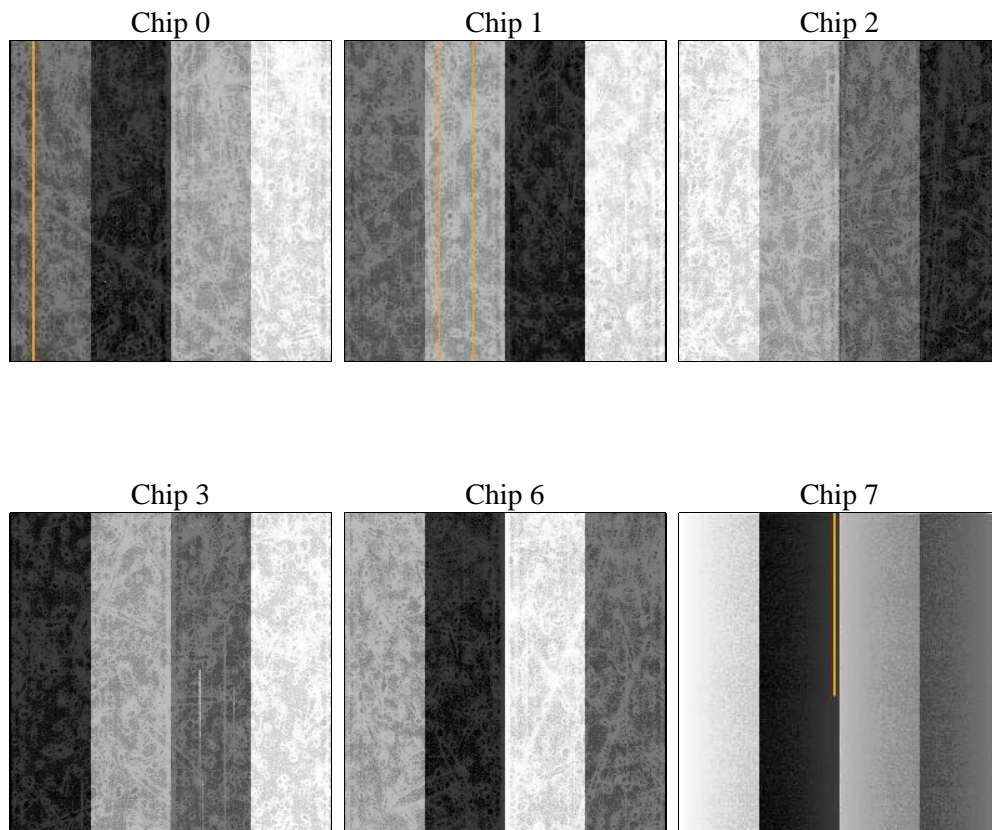
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	43000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	43073.761235833	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	43070.397245198	Sum of GTIs [s]
date	2012-03-24T07:29:11	Date and time of file creation	ontime1	43063.956235081	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	43067.238374799	Sum of GTIs [s]
			ontime3	43073.761235833	Sum of GTIs [s]
			ontime6	43073.84331584	Sum of GTIs [s]
			ontime7	43073.802275836	Sum of GTIs [s]
			l1events	2316353	Number of level 1 events

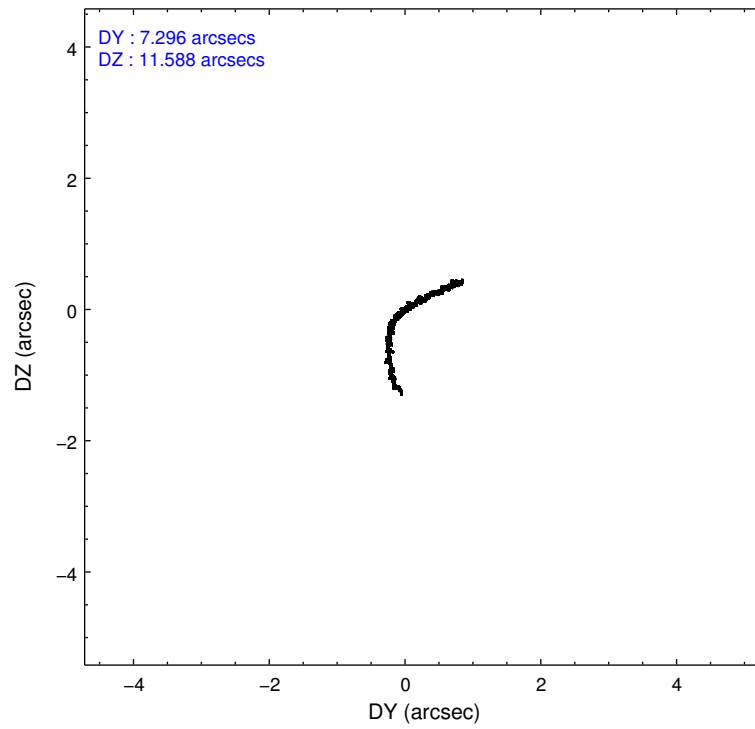
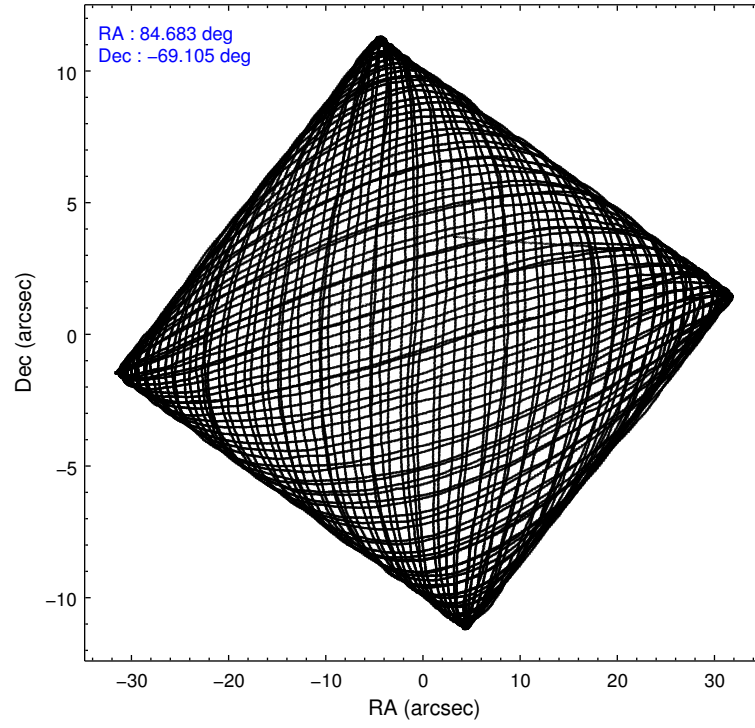
2.1.4 Events

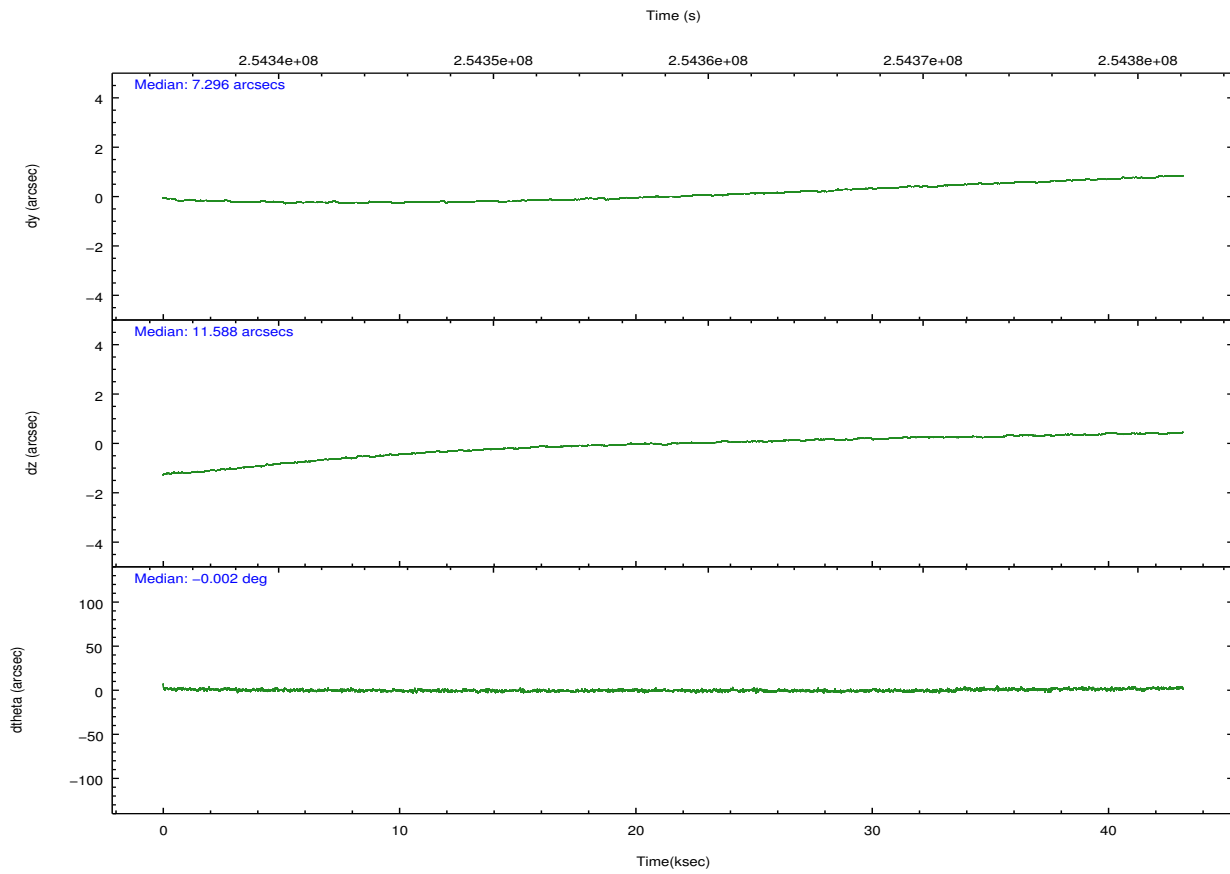
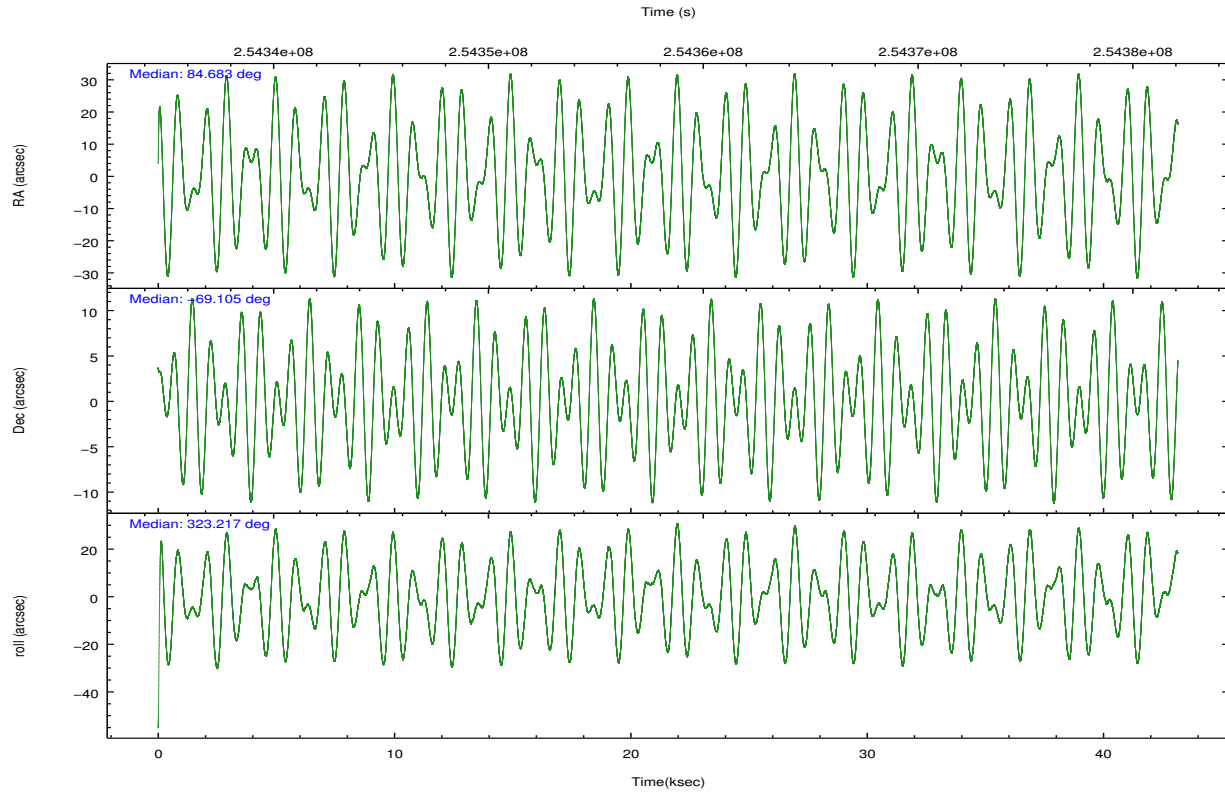
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	346193	367422	366733	373103	374363	488539	grade 0 events	33182	55022	31250	39294	21994	19378
rejected events	286138	277602	310626	307271	325890	282439		9%	14%	8%	10%	5%	3%
rejected %	82%	75%	84%	82%	87%	57%	grade 1 events	278	481	257	405	255	510
								0%	0%	0%	0%	0%	0%
							grade 2 events	10639	14270	9654	9971	9548	41628
								3%	3%	2%	2%	2%	8%
							grade 3 events	4448	5533	4049	4521	4131	18261
								1%	1%	1%	1%	1%	3%
							grade 4 events	4290	5379	4307	4469	4061	18230
								1%	1%	1%	1%	1%	3%
							grade 5 events	14004	15433	13621	16129	16964	46753
								4%	4%	3%	4%	4%	9%
							grade 6 events	7507	9634	6857	7580	8748	108644
								2%	2%	1%	2%	2%	22%
							grade 7 events	271845	261670	296738	290734	308662	235135
								78%	71%	80%	77%	82%	48%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	84.606949	84.68325287452676	Subarray requested	NONE	NONE
[deg] Pointing Dec	-69.101414	-69.10457396111582	Alternating exposures requested	N	N
[deg] Pointing Roll	322.934869	323.2148159203467	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	254336932.184000	254335911.75285			
Observation start date	2006-01-22T17:07:47	2006-01-22T16:51:51			
[s] Observation end time (MET)	254379932.184000	254380689.39242			
Observation end date	2006-01-23T05:04:27	2006-01-23T05:18:09			
Read mode	TIMED	TIMED			

2.3 Aspect



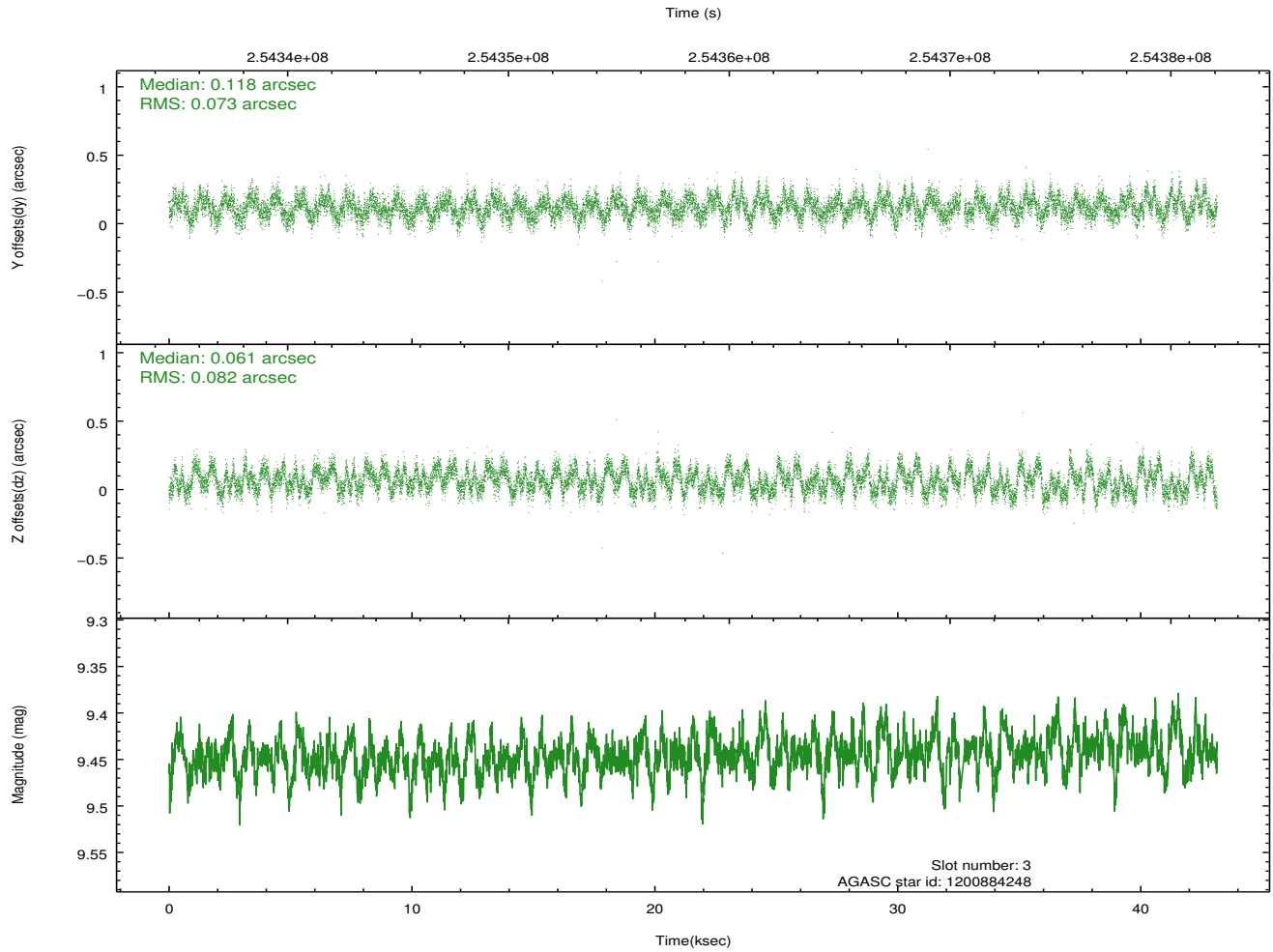
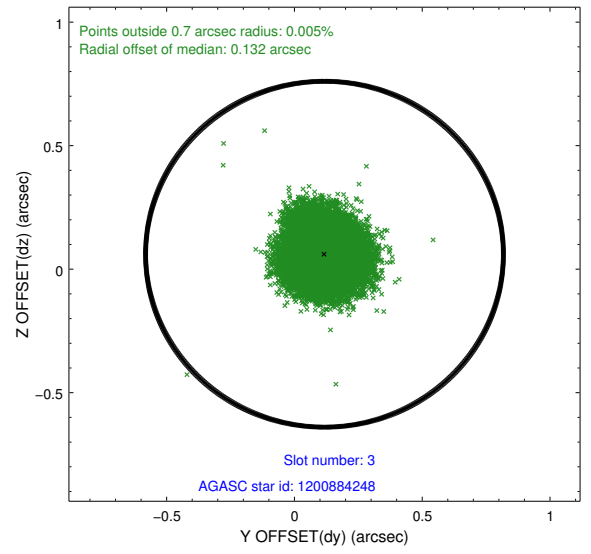
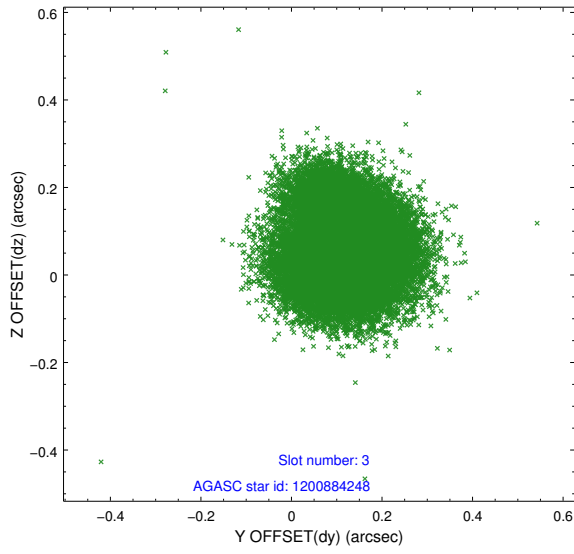


Slot Statistics

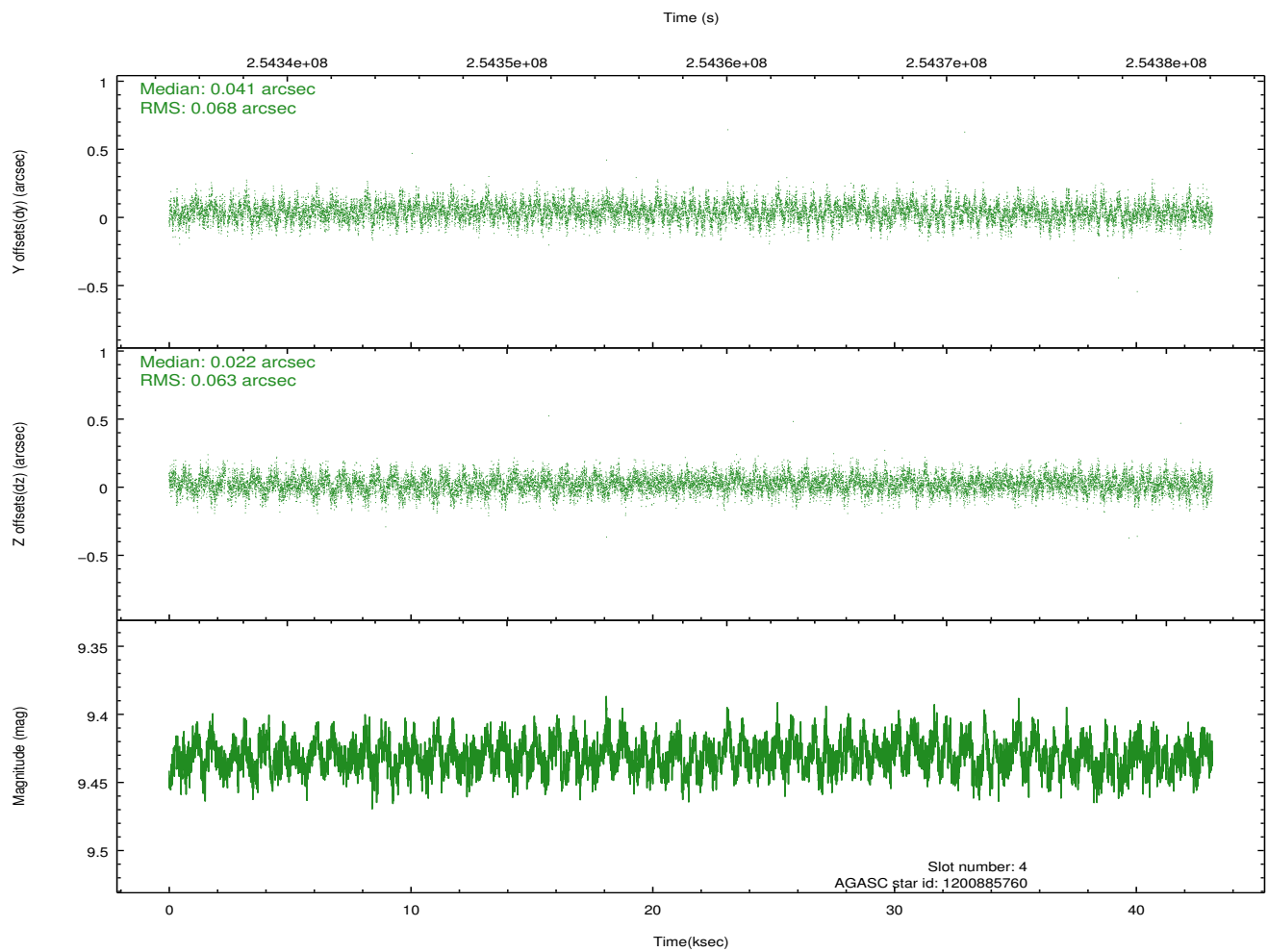
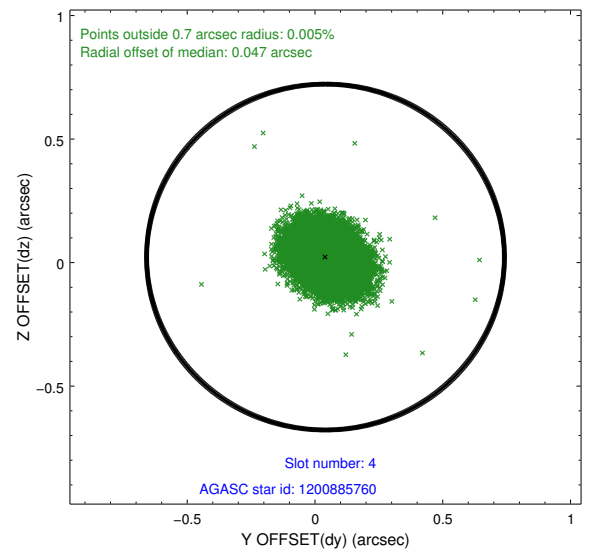
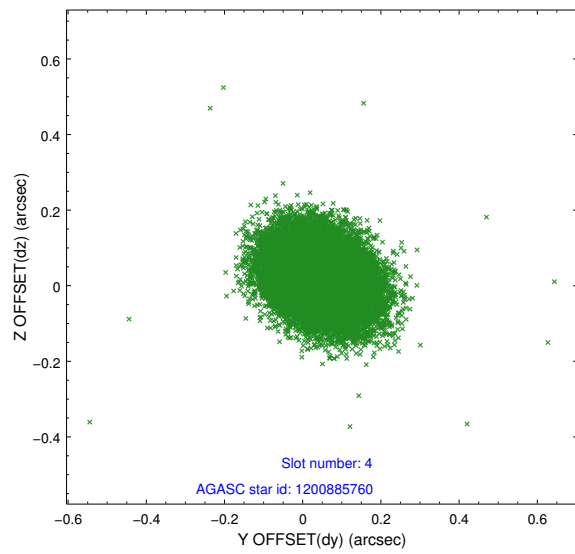
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	10525	-0.051	-0.004	0.016	0.051	0.000000	0.000000	932.20	-834.97
1	FID	ACIS-I-2	7.15	10525	-0.147	-0.061	0.022	0.033	0.000000	0.000000	-761.99	-841.47
2	FID	ACIS-I-4	7.17	10525	0.098	0.127	0.029	0.042	0.000000	0.000000	2152.24	1064.95
3	GUIDE	1200884248	9.45	20969	0.118	0.061	0.119	0.181	83.880915	-68.565170	-1922.23	960.78
4	GUIDE	1200885760	9.43	20993	0.041	0.022	0.099	0.161	83.723637	-68.777667	-1616.04	229.89
5	GUIDE	1201018312	9.56	21000	-0.083	0.081	0.261	0.351	86.298231	-69.115627	1780.39	1243.58
6	GUIDE	1201020040	8.59	21041	-0.092	-0.023	0.107	0.157	85.379163	-68.879396	321.28	1236.69
7	GUIDE	1201018384	9.08	21037	0.015	-0.138	0.129	0.200	85.801362	-68.593260	159.02	2393.73

2.4 Star Slots

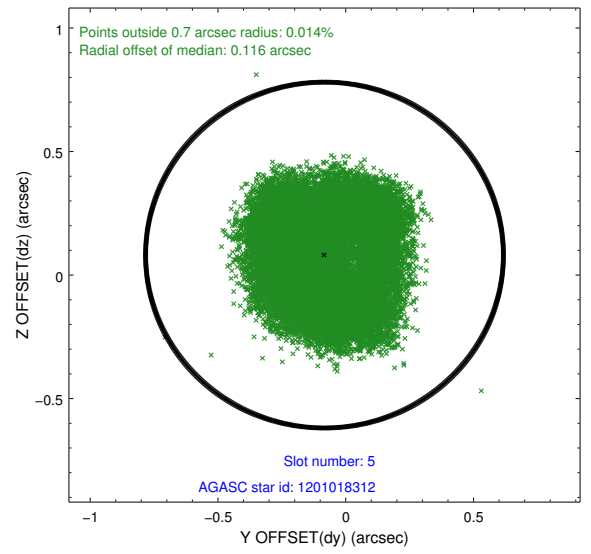
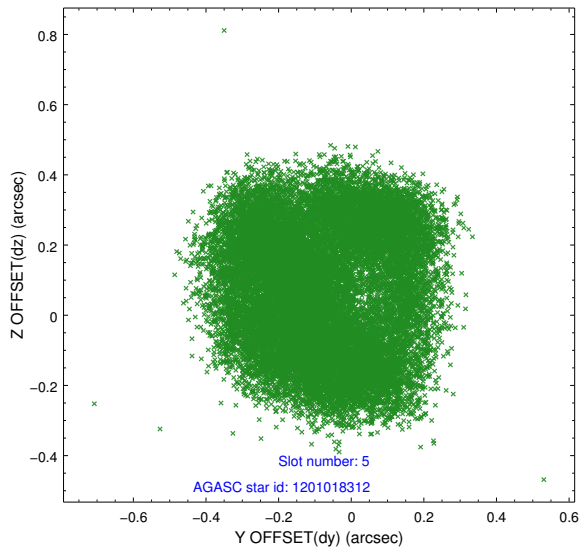
2.4.1 Slot 3



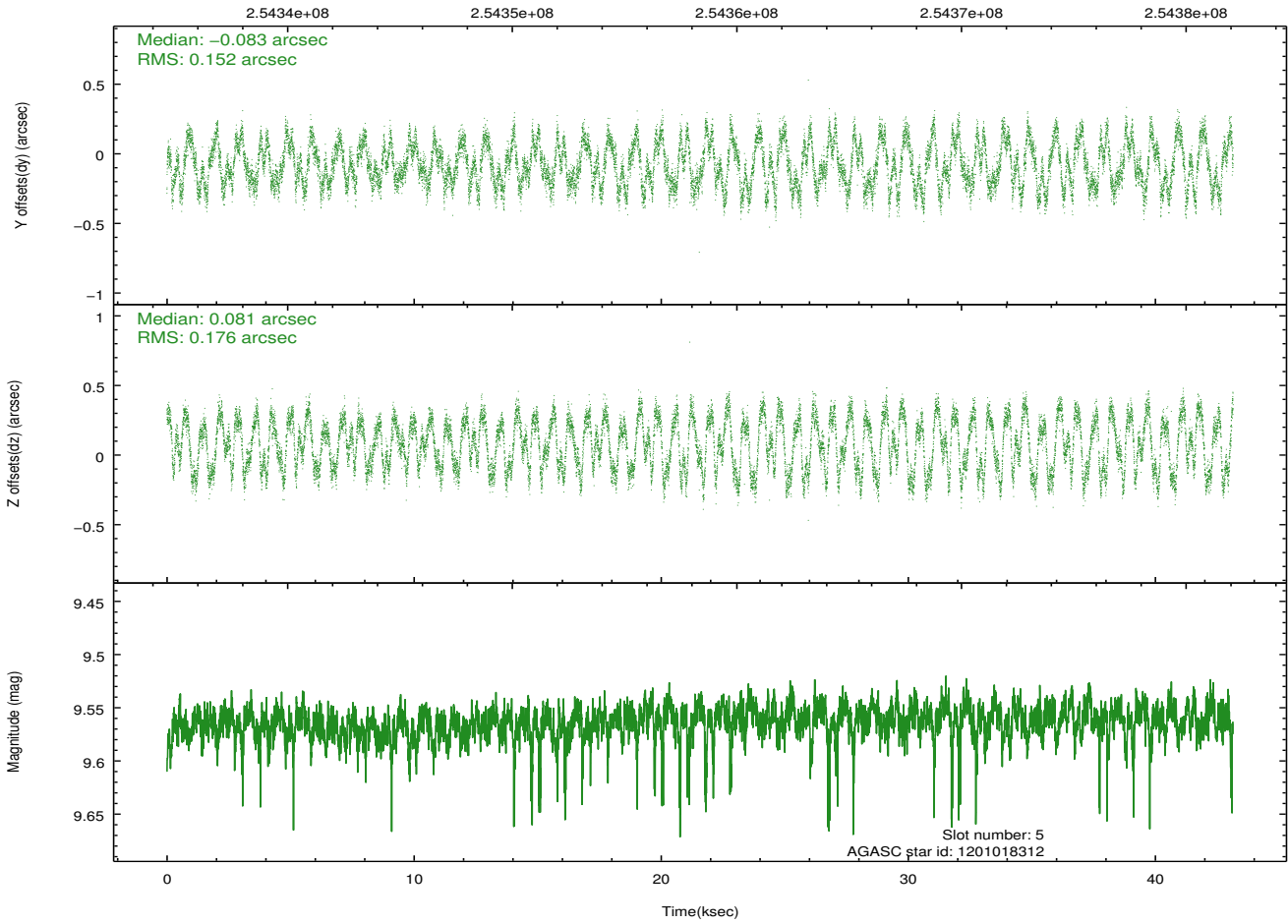
2.4.2 Slot 4



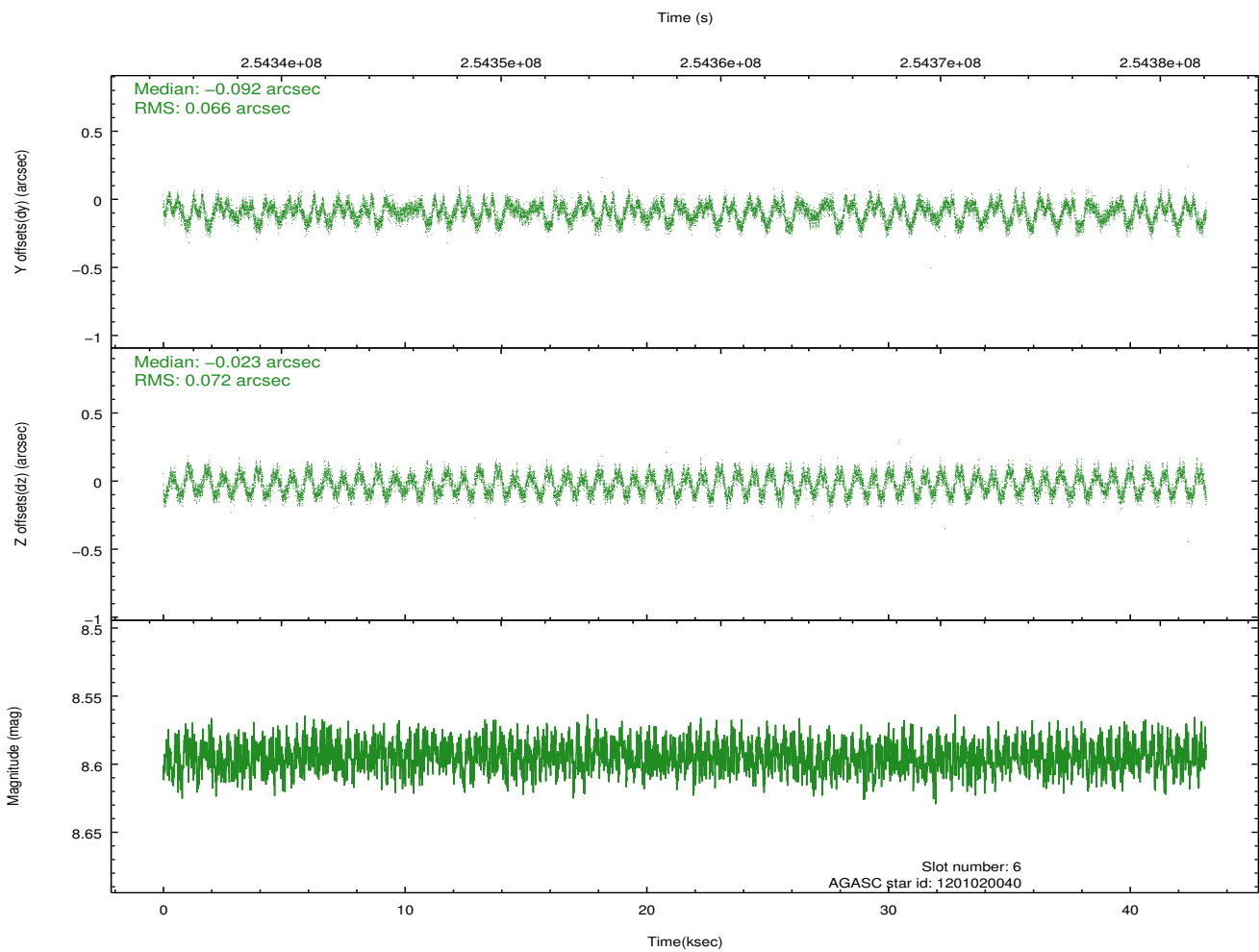
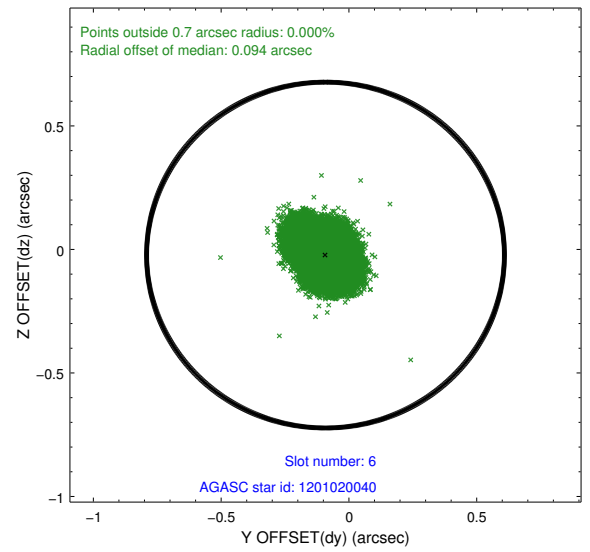
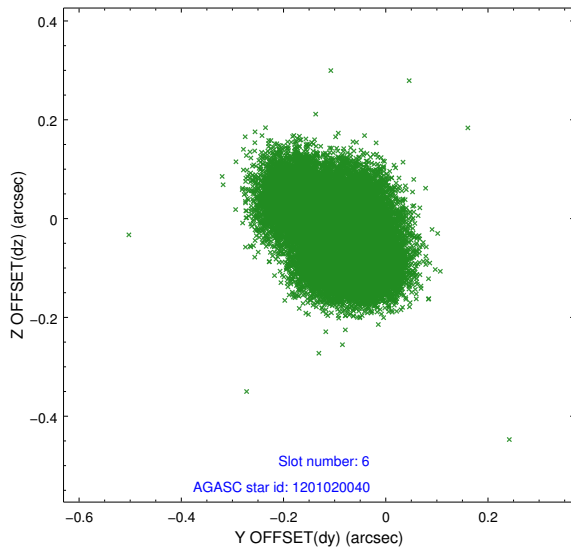
2.4.3 Slot 5



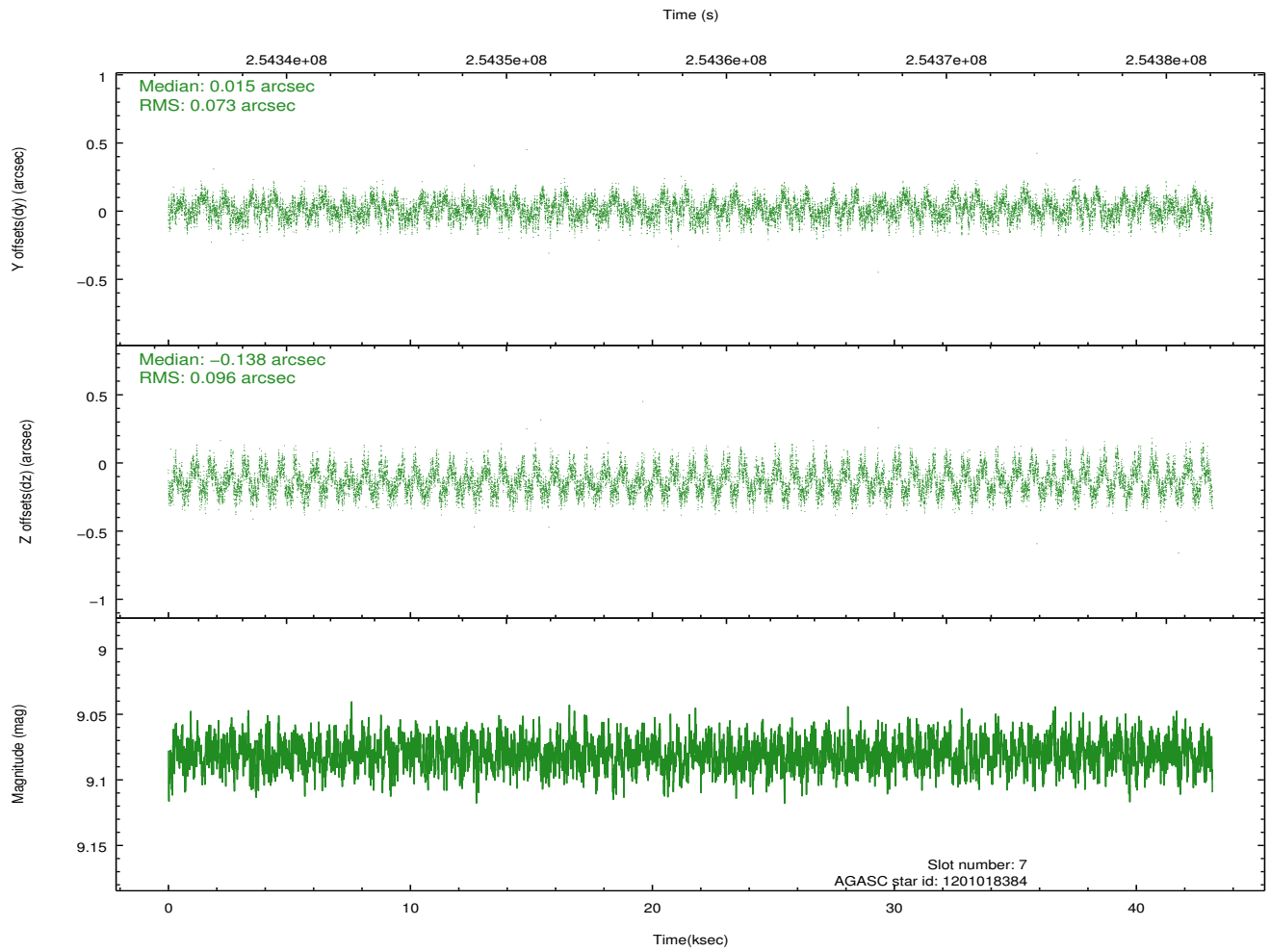
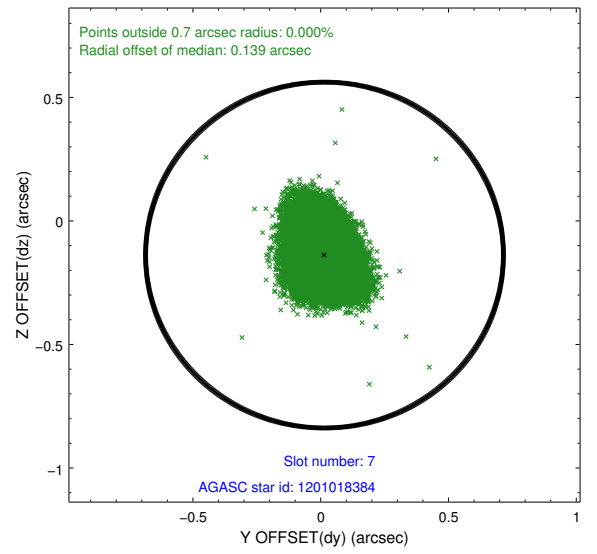
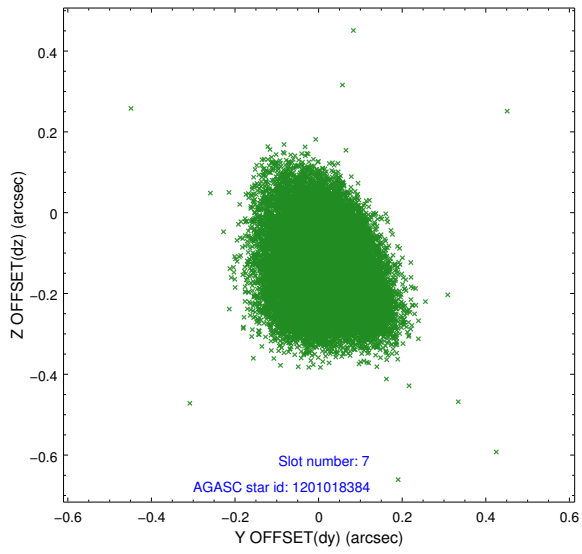
Time (s)



2.4.4 Slot 6

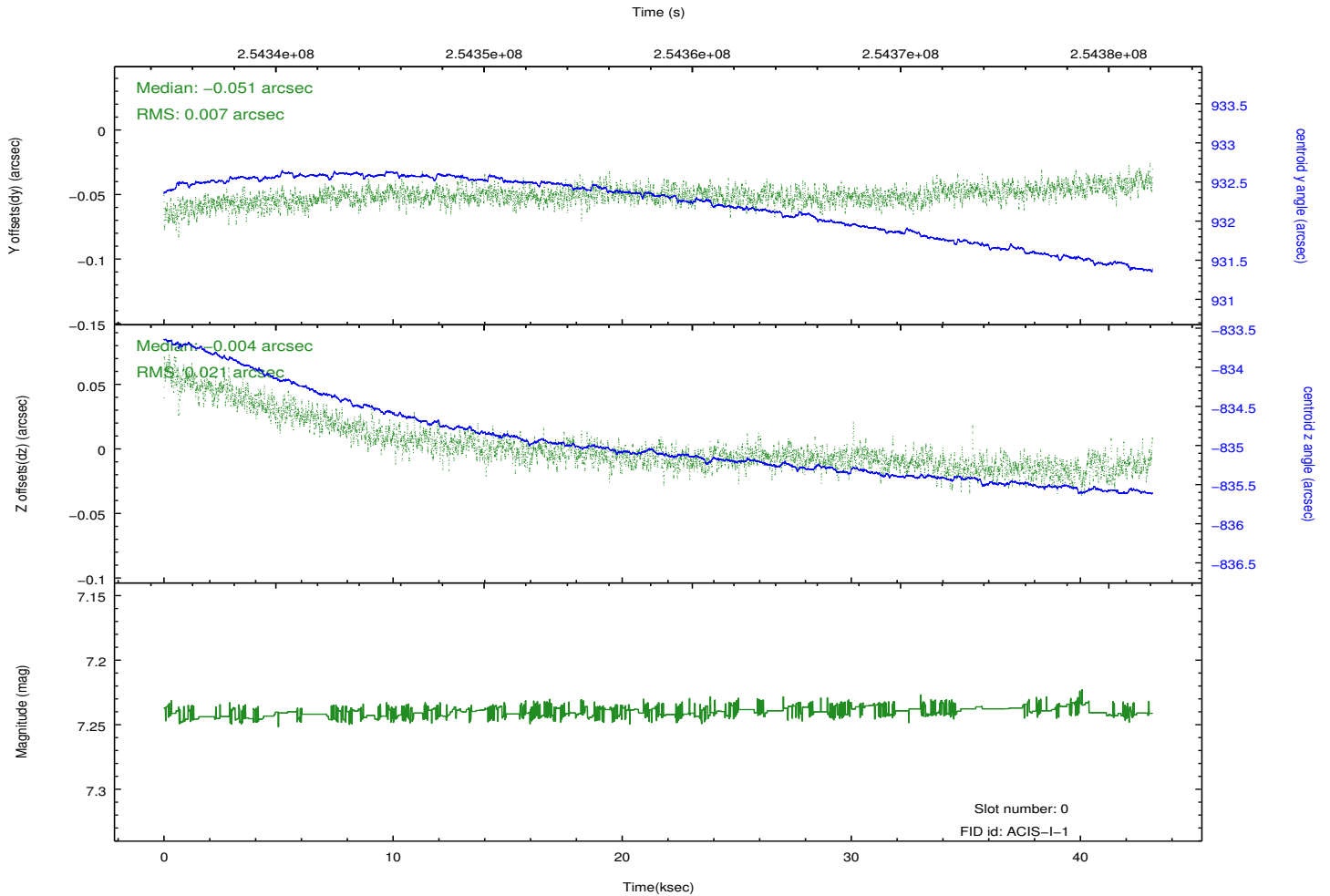
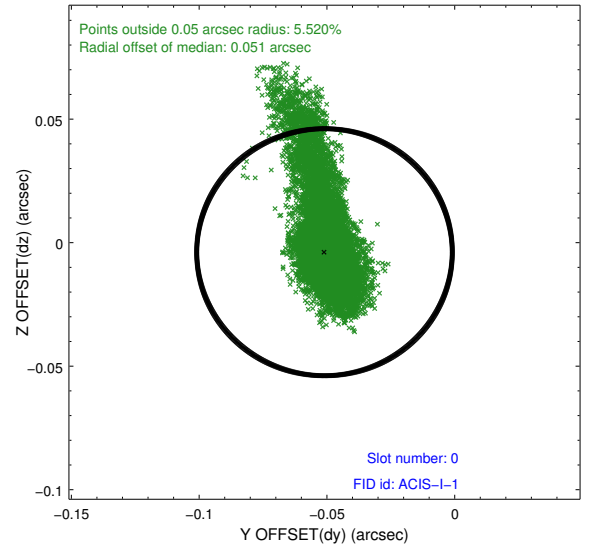
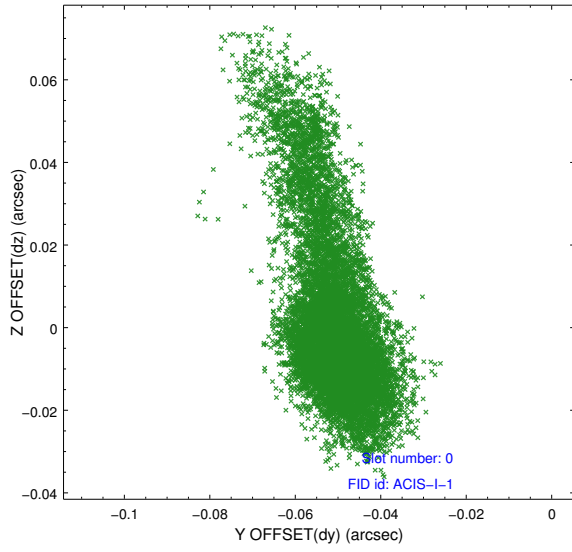


2.4.5 Slot 7

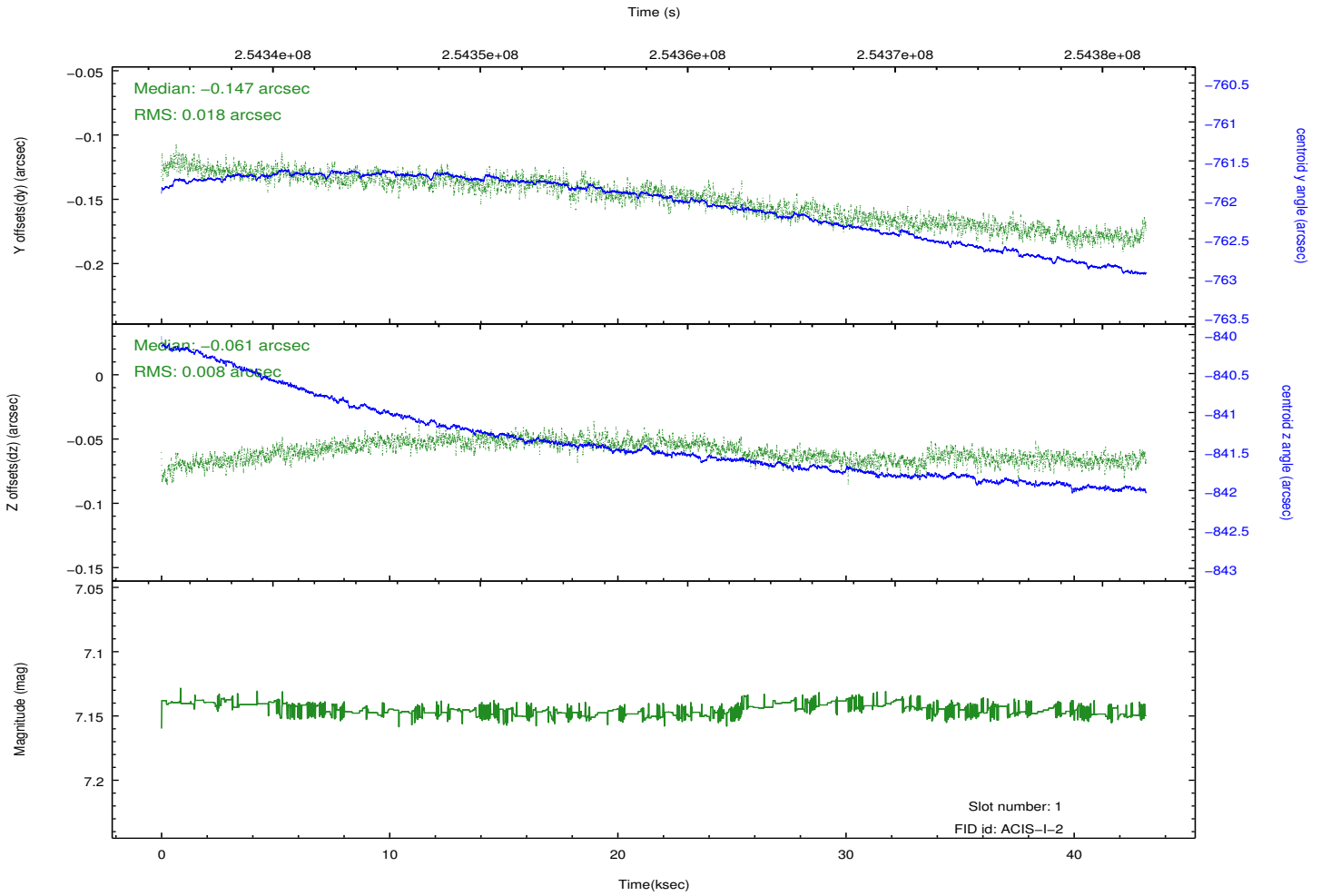
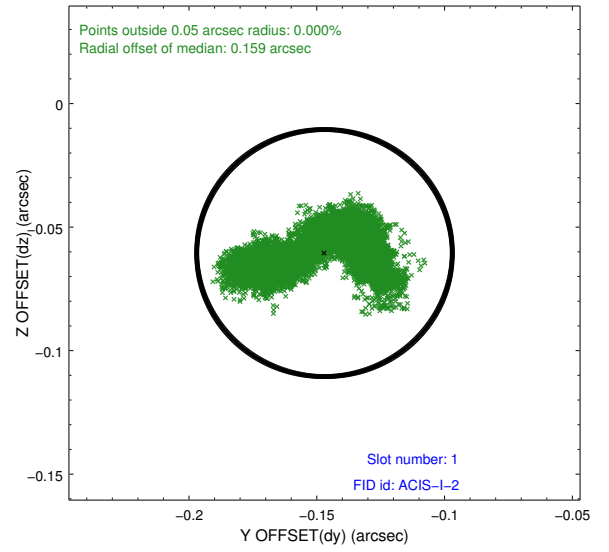
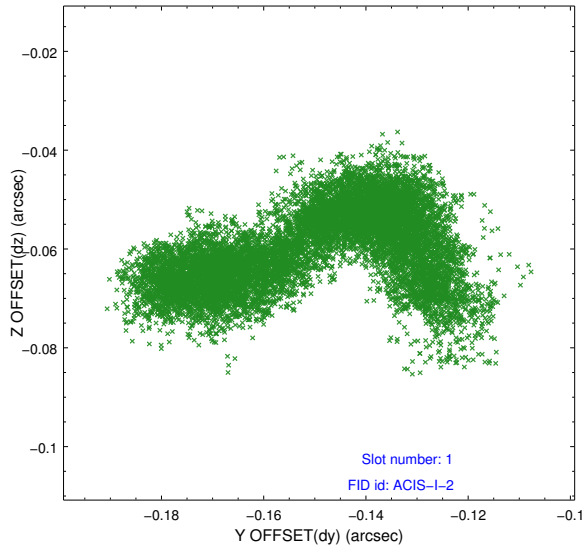


2.5 FID Slots

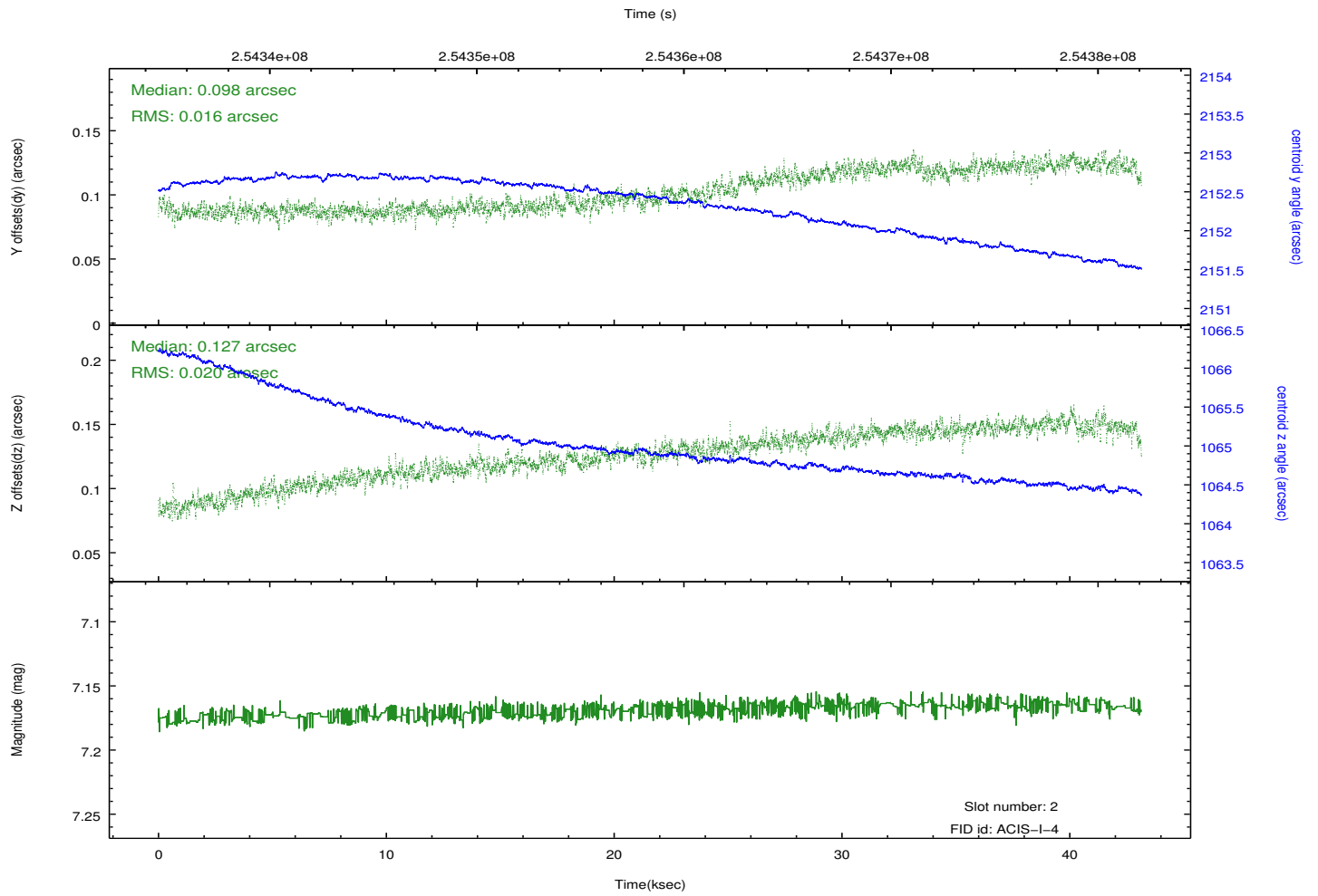
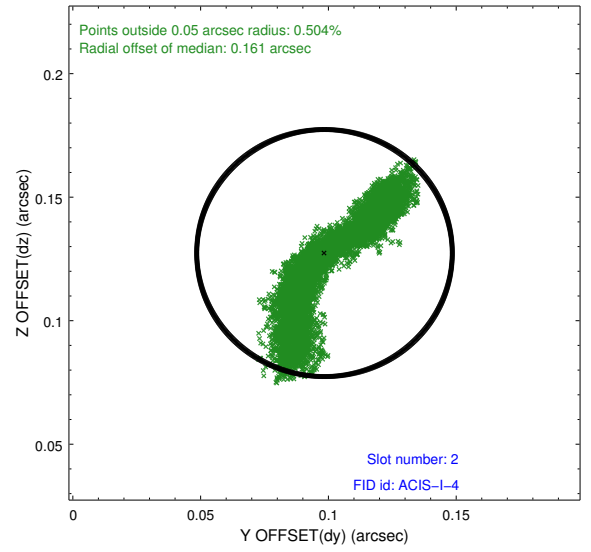
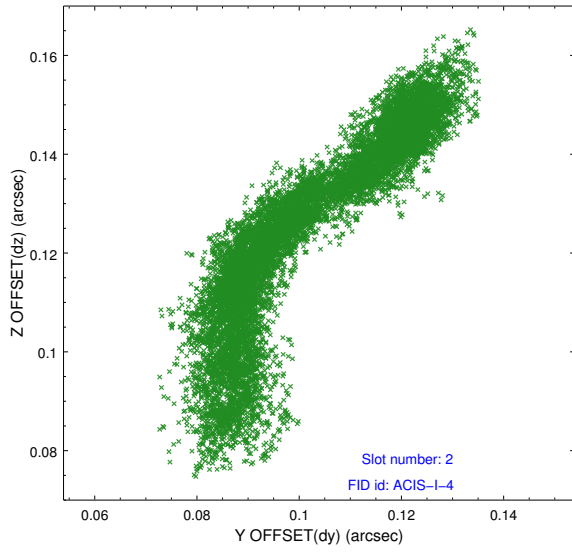
2.5.1 Slot 0



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)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.0751998

A.2 Comments

Preferred roll angle met.