

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7036 - L2 Version 2
Chandra X-Ray Center

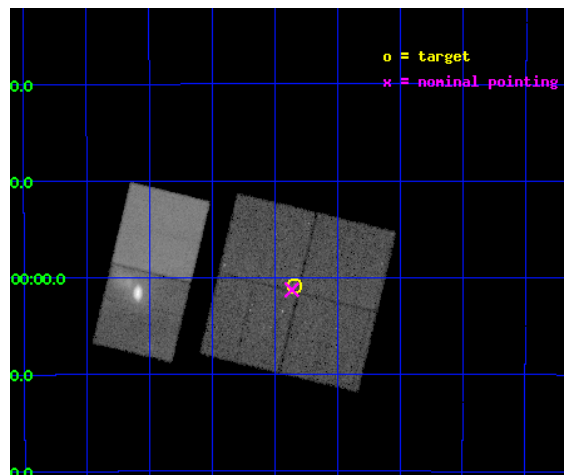
L2 Processing Date : Apr 27 2012

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1 Front

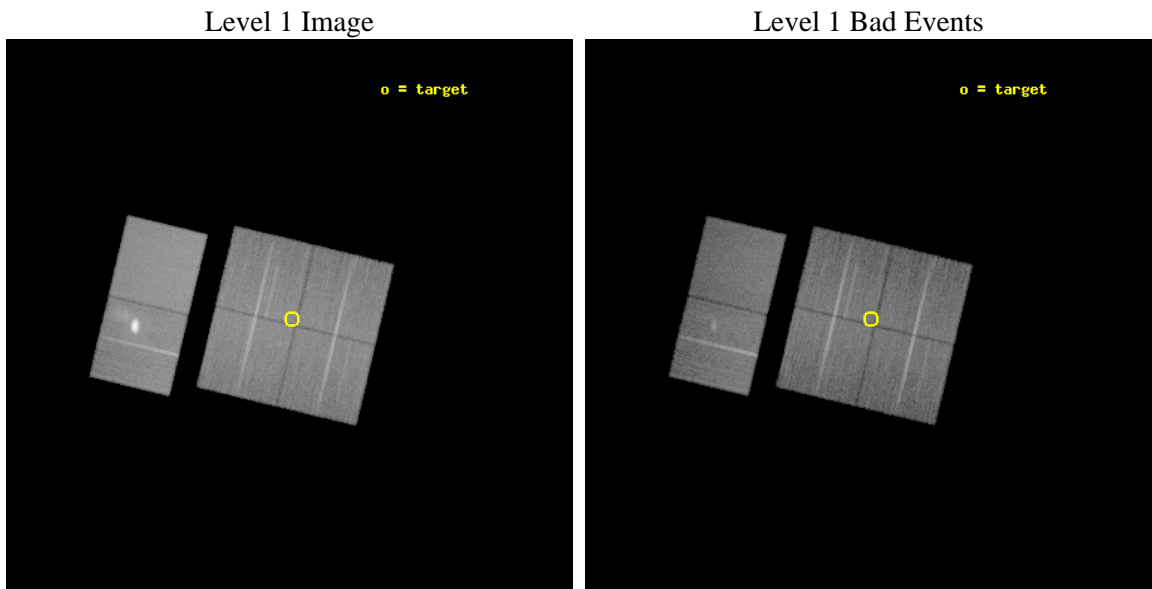
seq_num	900452	Sequence number
obs_id	7036	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.08625	Observer's specified target RA [deg]
dec_targ	-29.014194	Observer's specified target Dec [deg]
ra_nom	266.09095711492	Nominal RA [deg]
dec_nom	-29.021143172922	Nominal Dec [deg]
roll_nom	283.47395934959	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20150.399924994	Sum of GTIs [s]
livetime	19895.243428029	Livetime [s]
ontime0	20150.399924994	Sum of GTIs [s]
ontime1	20150.399924994	Sum of GTIs [s]
ontime2	20150.399924994	Sum of GTIs [s]
ontime3	20150.399924994	Sum of GTIs [s]
ontime6	20150.399924994	Sum of GTIs [s]
ontime7	20150.399924994	Sum of GTIs [s]
l2events	320638	Number of level 2 events



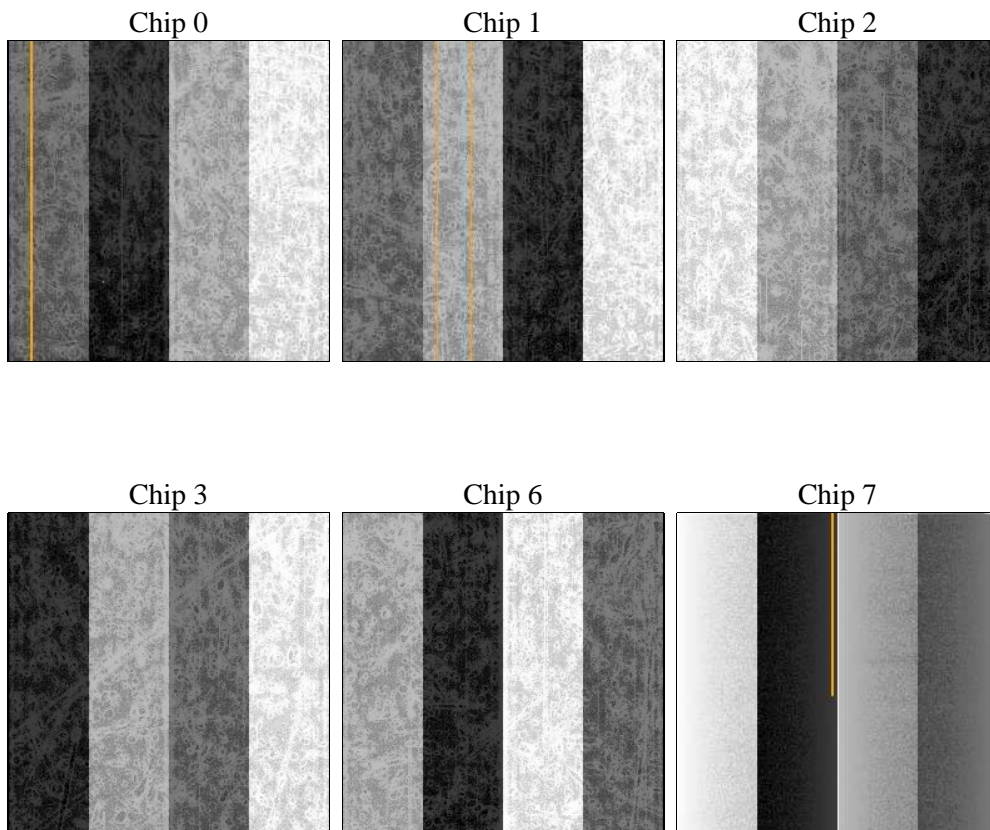
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20150.399924994	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	20150.399924994	Sum of GTIs [s]
date	2012-04-27T14:43:21	Date and time of file creation	ontime1	20150.399924994	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20150.399924994	Sum of GTIs [s]
			ontime3	20150.399924994	Sum of GTIs [s]
			ontime6	20150.399924994	Sum of GTIs [s]
			ontime7	20150.399924994	Sum of GTIs [s]
			l1events	1366129	Number of level 1 events

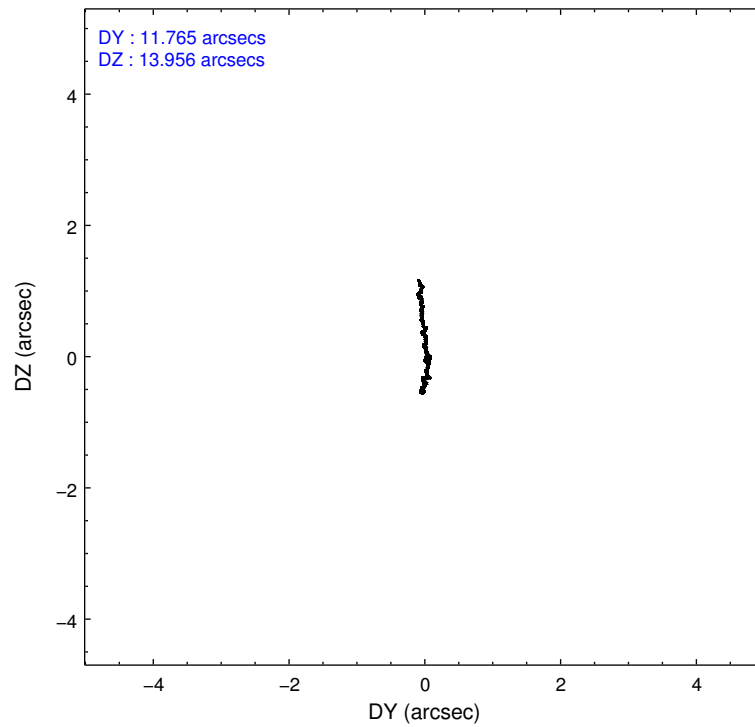
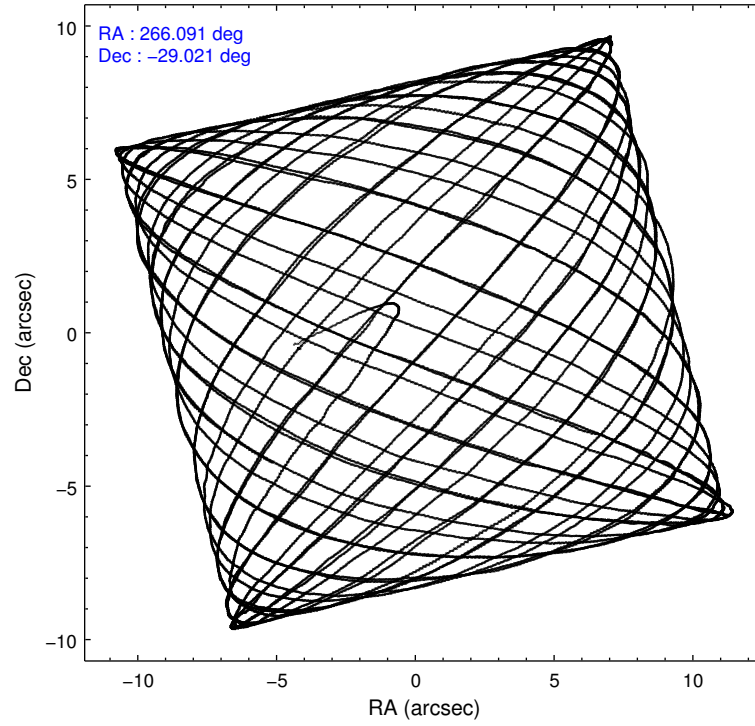
2.1.4 Events

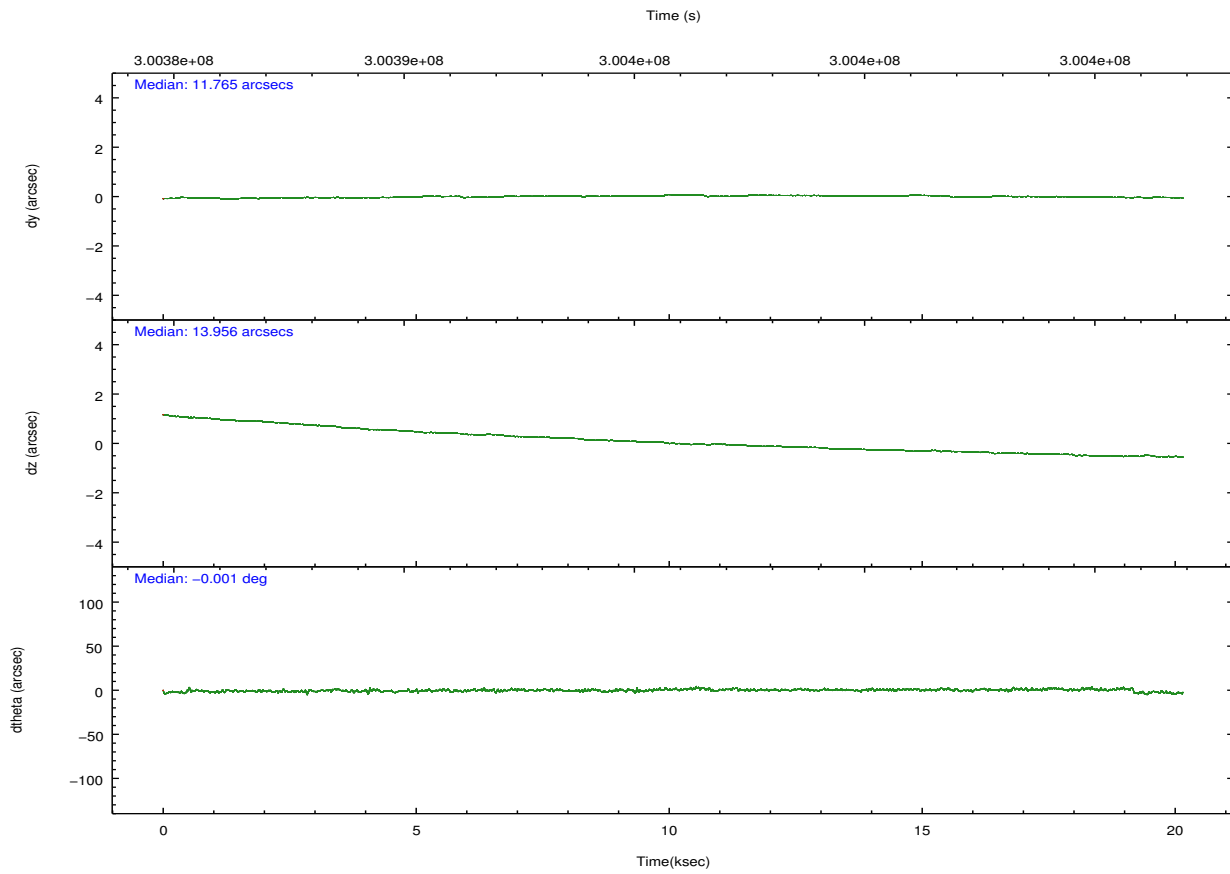
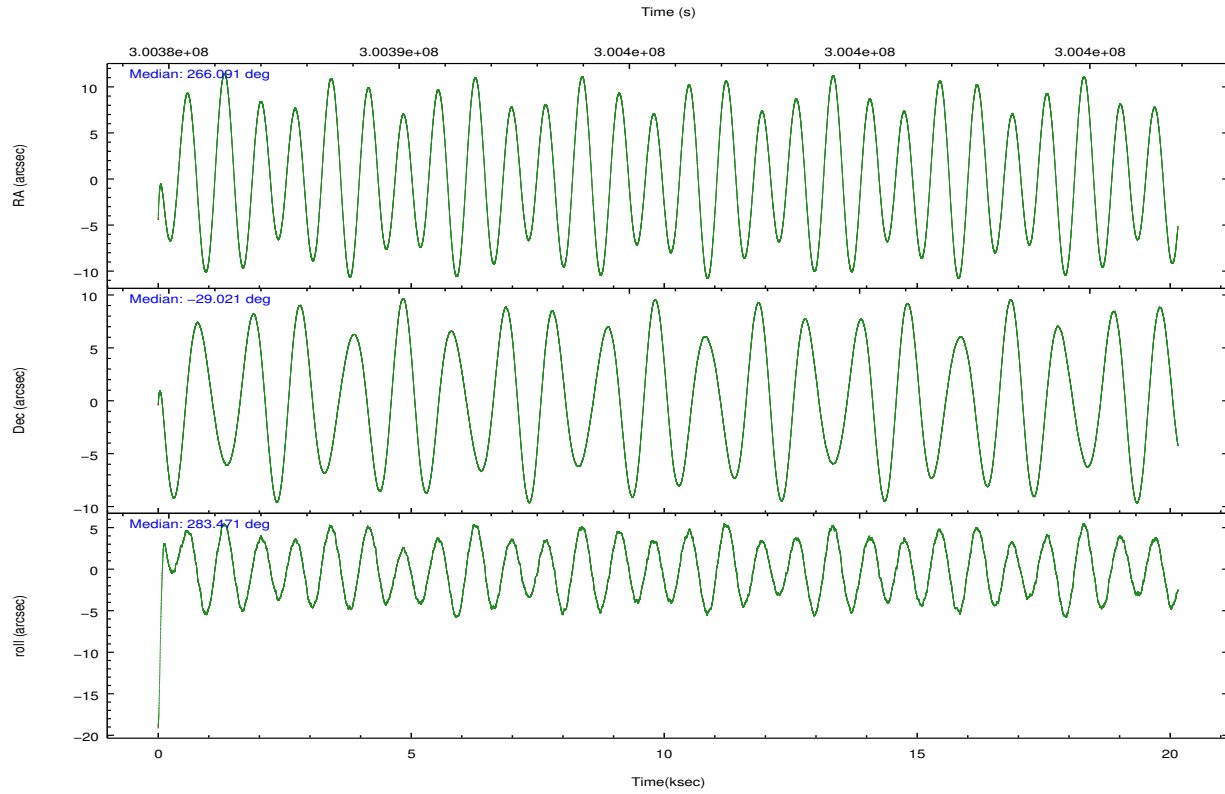
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	187997	188681	209344	203306	290147	286654	grade 0 events	13289	12301	15360	13545	60969	12107
rejected events	159952	160256	178963	175150	185645	161398		7%	6%	7%	6%	21%	4%
rejected %	85%	84%	85%	86%	63%	56%	grade 1 events	150	126	188	169	542	306
								0%	0%	0%	0%	0%	0%
							grade 2 events	5792	6251	5790	5385	18031	25641
								3%	3%	2%	2%	6%	8%
							grade 3 events	2412	2535	2527	2527	6764	11214
								1%	1%	1%	1%	2%	3%
							grade 4 events	2318	2522	2618	2452	6538	10918
								1%	1%	1%	1%	2%	3%
							grade 5 events	8102	8678	7653	9097	9764	26015
								4%	4%	3%	4%	3%	9%
							grade 6 events	4583	5163	4409	4572	13074	66868
								2%	2%	2%	2%	4%	23%
							grade 7 events	151351	151105	170799	165559	174465	133585
								80%	80%	81%	81%	60%	46%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.069259	266.0909571149218	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.001260	-29.02114317292183	Alternating exposures requested	N	N
[deg] Pointing Roll	283.254762	283.4739593495933	[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)	300385914.184000	300384733.3607			
Observation start date	2007-07-09T16:30:49	2007-07-09T16:12:13			
[s] Observation end time (MET)	300405914.184000	300406679.12425			
Observation end date	2007-07-09T22:04:09	2007-07-09T22:17:59			
Read mode	TIMED	TIMED			

2.3 Aspect





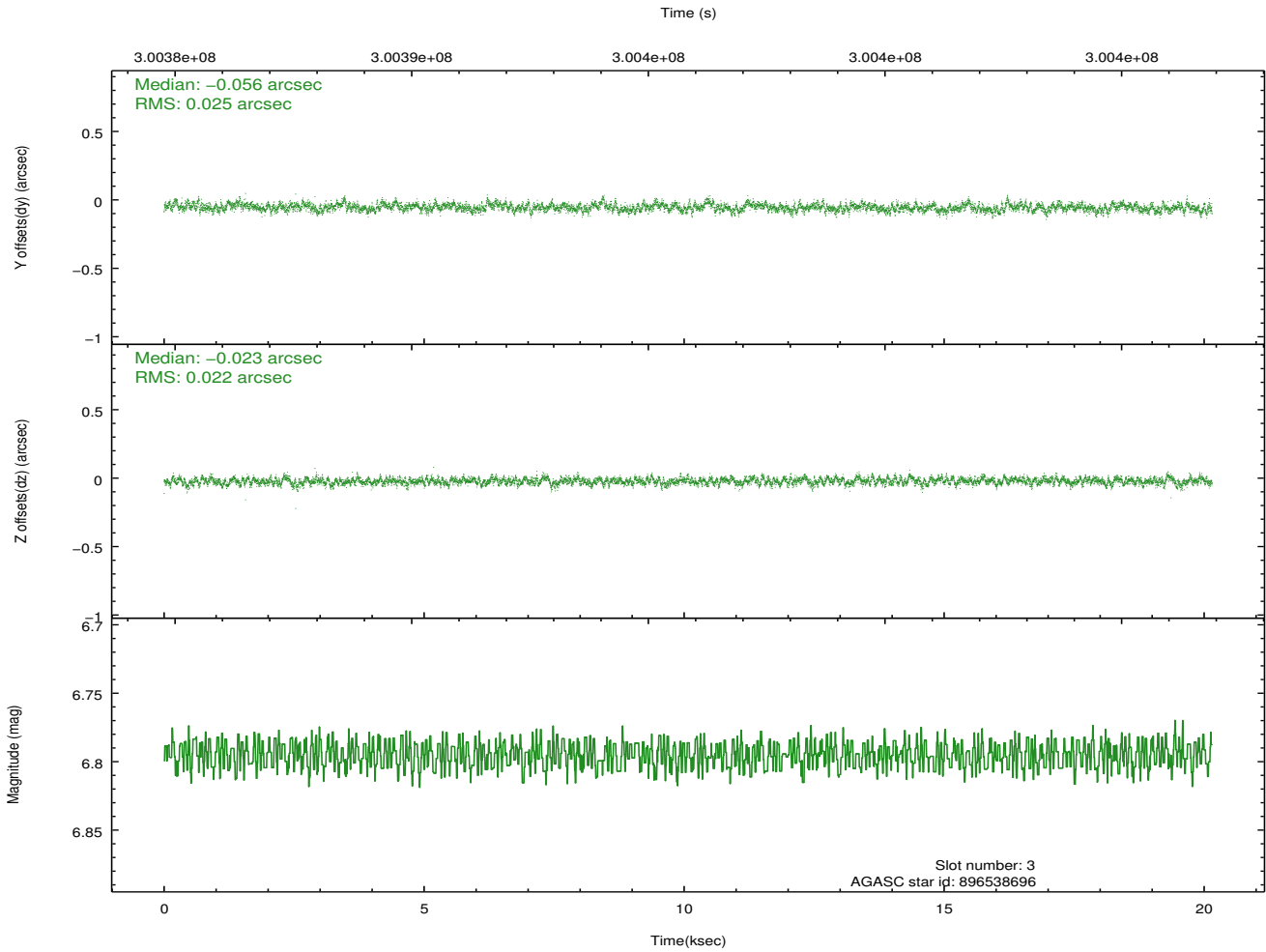
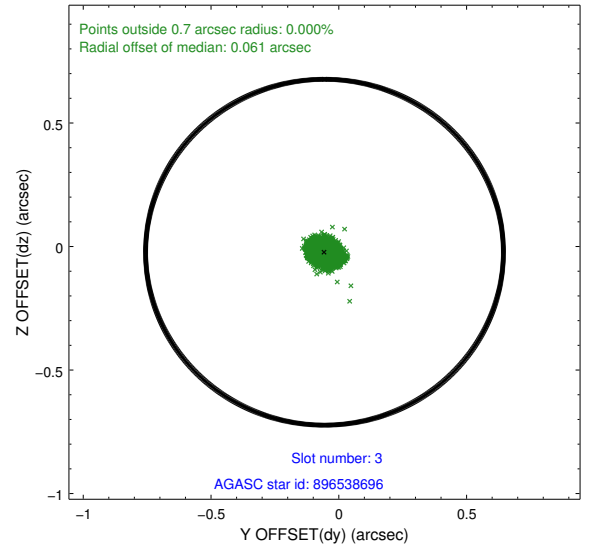
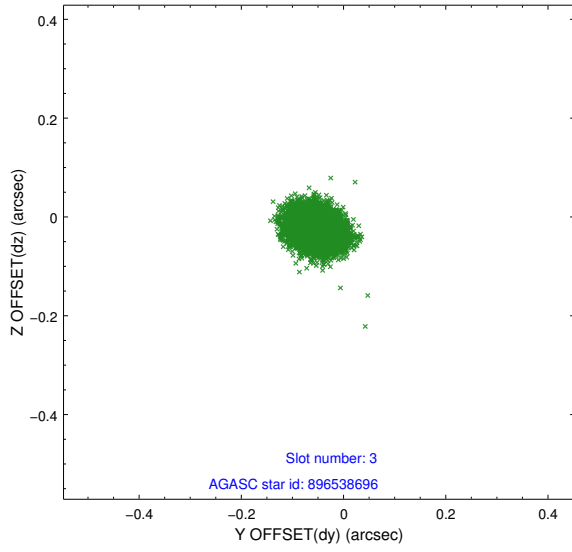
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4915	-0.057	0.079	0.012	0.028	0.000000	0.000000	927.72	-837.58
1	FID	ACIS-I-2	7.13	4915	-0.142	-0.091	0.012	0.020	0.000000	0.000000	-766.36	-844.25
2	FID	ACIS-I-4	7.16	4915	0.101	0.080	0.010	0.023	0.000000	0.000000	2147.71	1062.11
3	GUIDE	896538696	6.80	9830	-0.056	-0.023	0.034	0.057	266.298470	-28.325572	-2200.49	1264.65
4	GUIDE	896403224	8.26	9831	0.168	0.013	0.062	0.101	265.612825	-29.438915	1208.53	-1754.41
5	GUIDE	896404568	7.86	9831	0.007	0.155	0.054	0.085	265.687293	-28.431080	-2273.06	-706.87
6	GUIDE	896533888	7.02	9831	-0.079	-0.106	0.047	0.073	266.666434	-29.392757	1805.69	1499.07
7	GUIDE	896541360	7.71	9825	-0.042	-0.038	0.049	0.080	266.684478	-29.453744	2032.84	1502.95

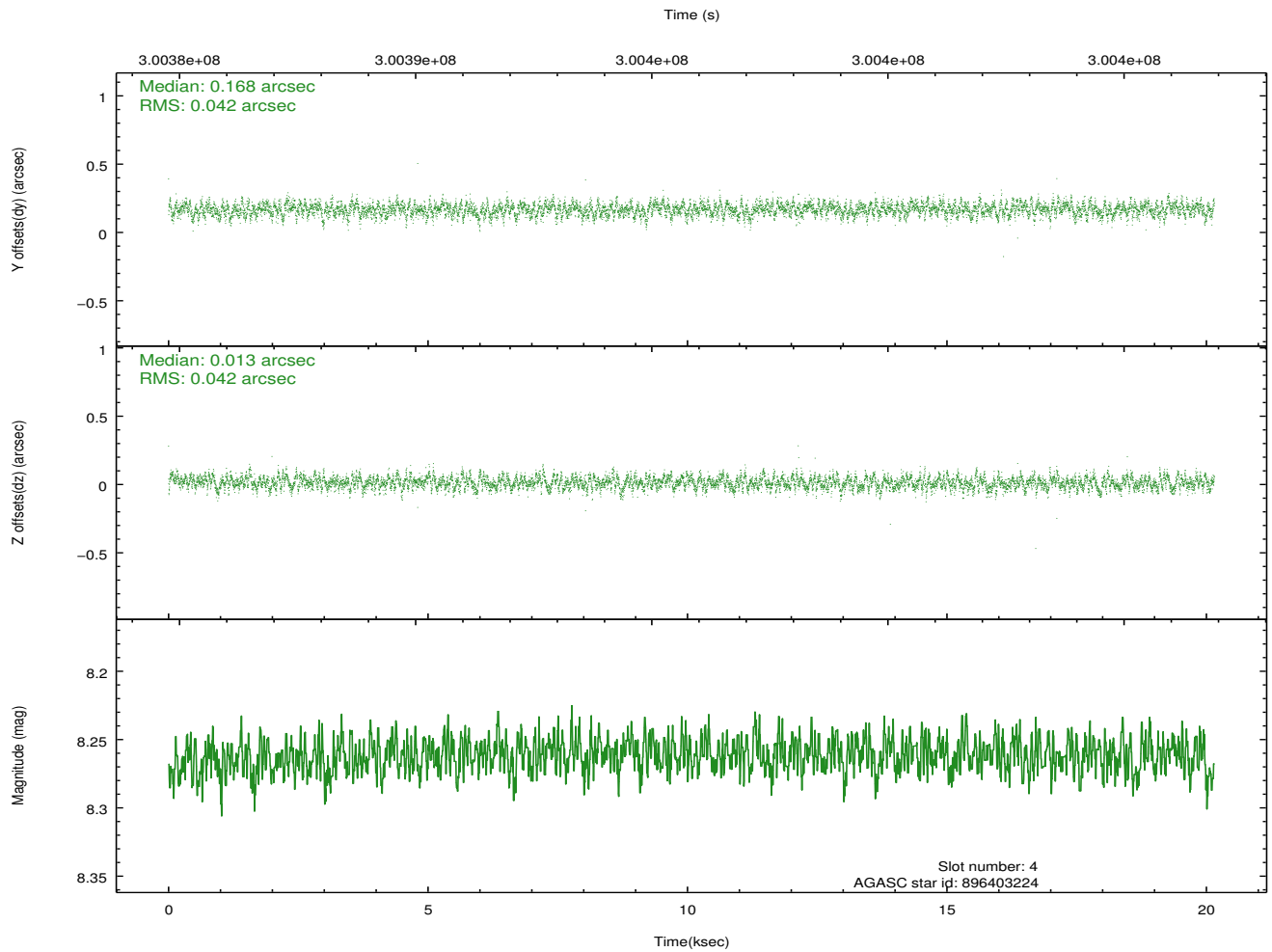
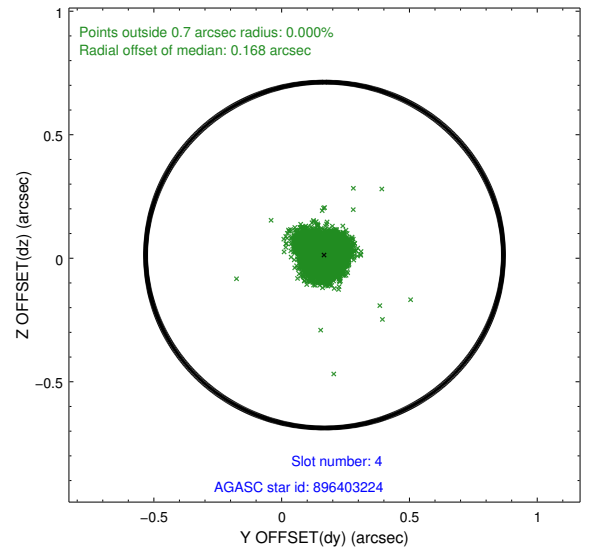
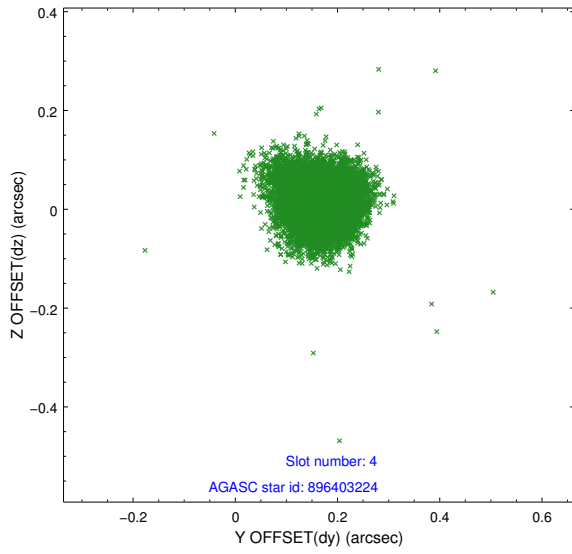
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2.4 Star Slots

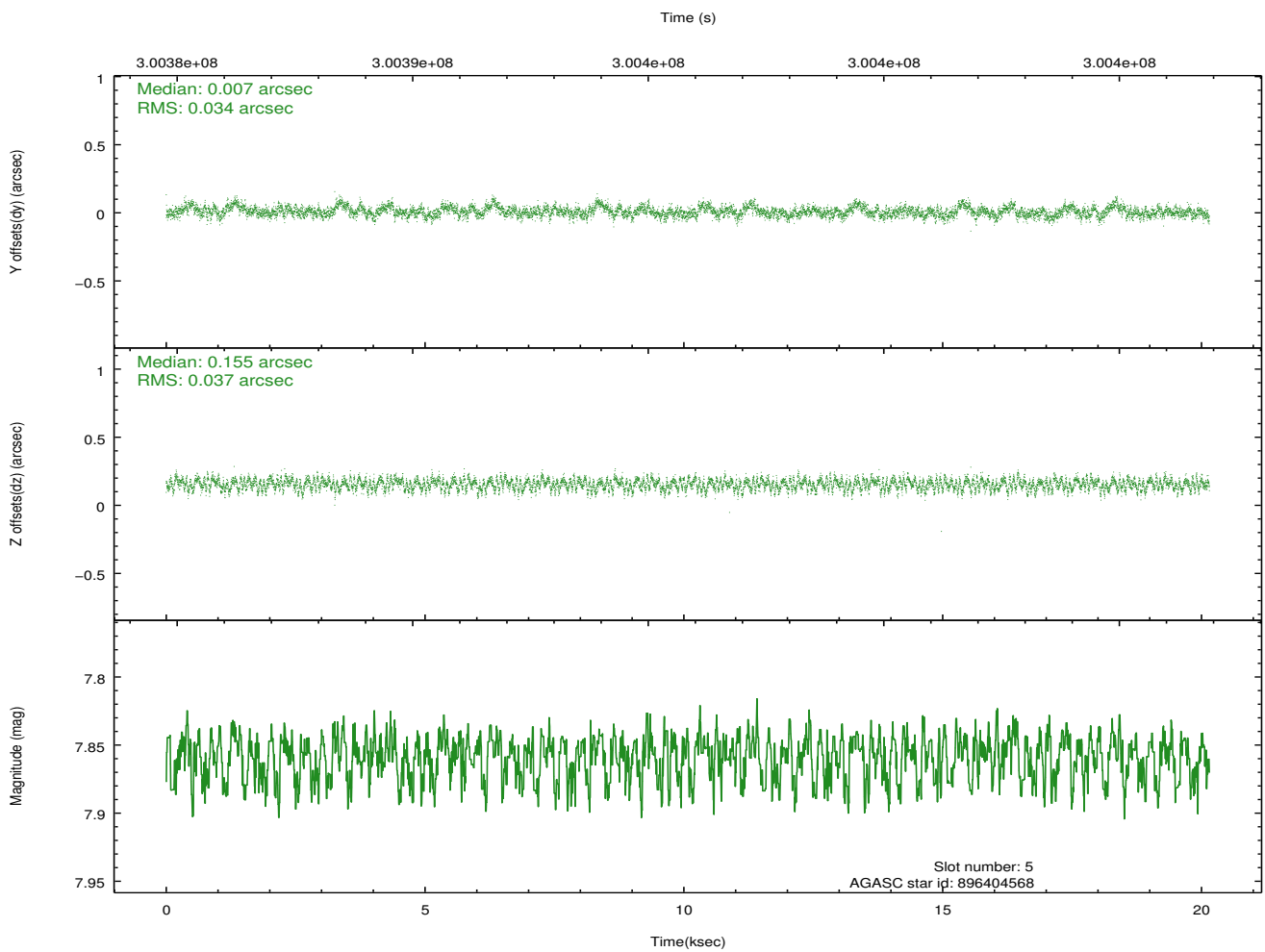
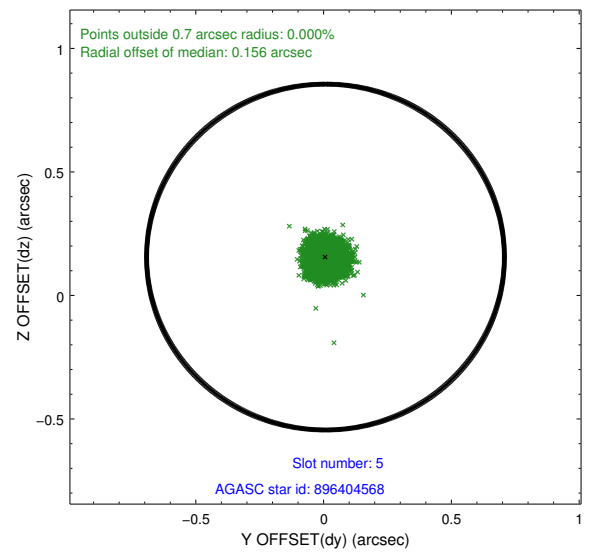
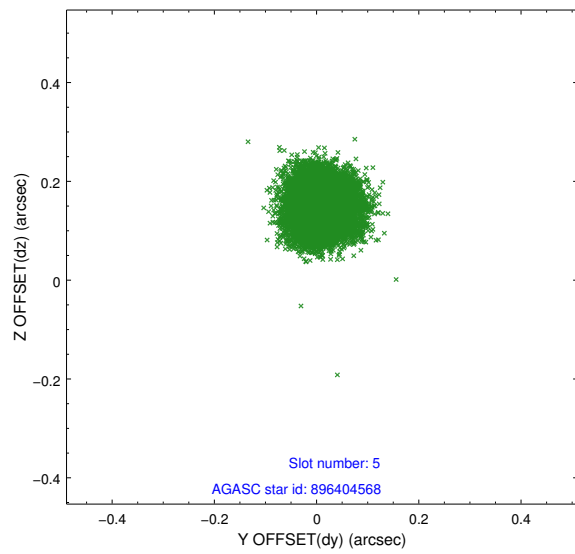
2.4.1 Slot 3



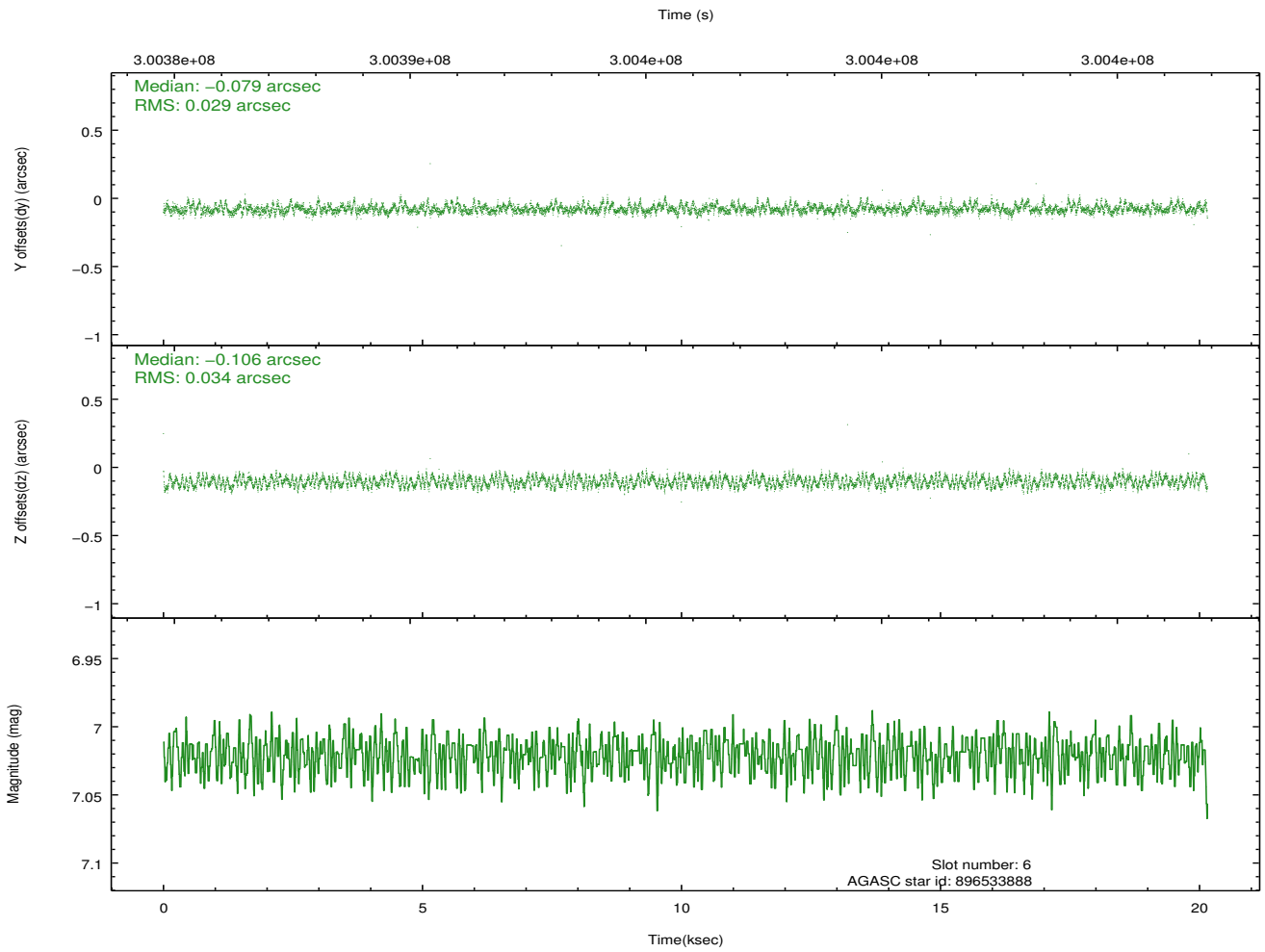
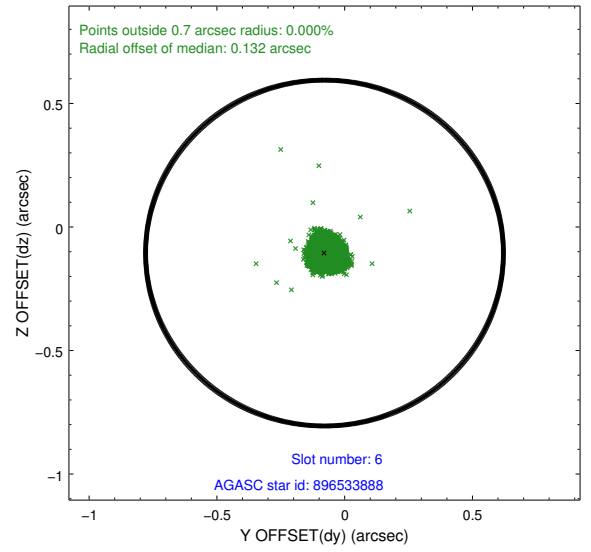
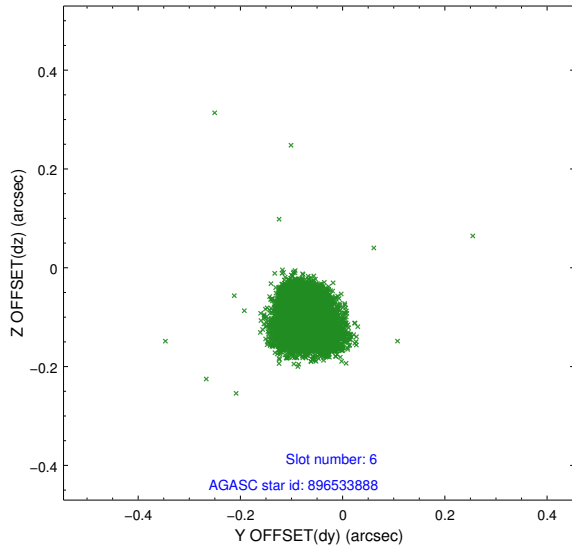
2.4.2 Slot 4



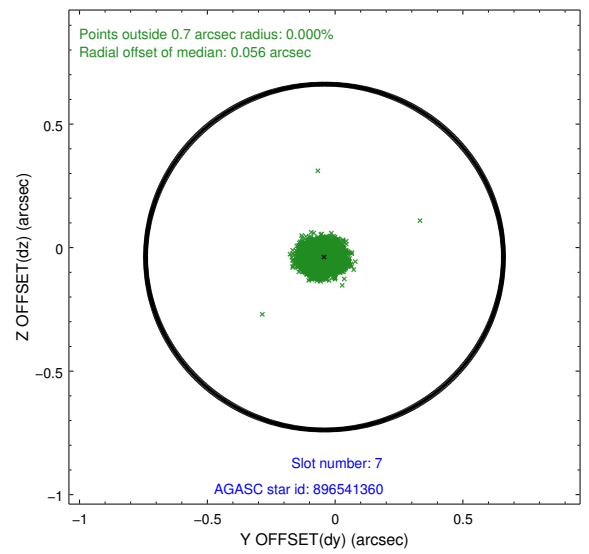
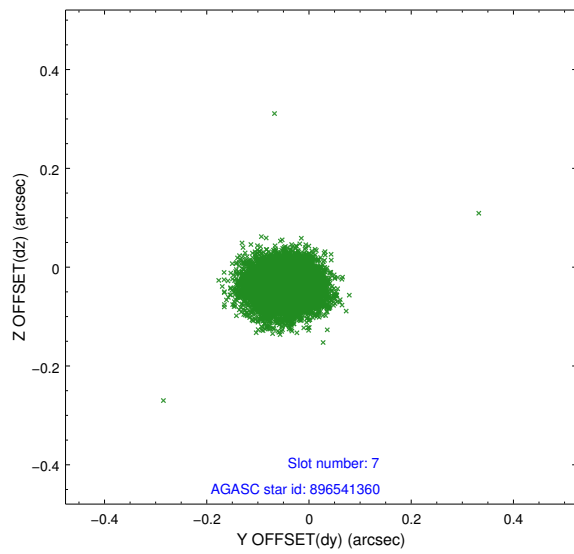
2.4.3 Slot 5



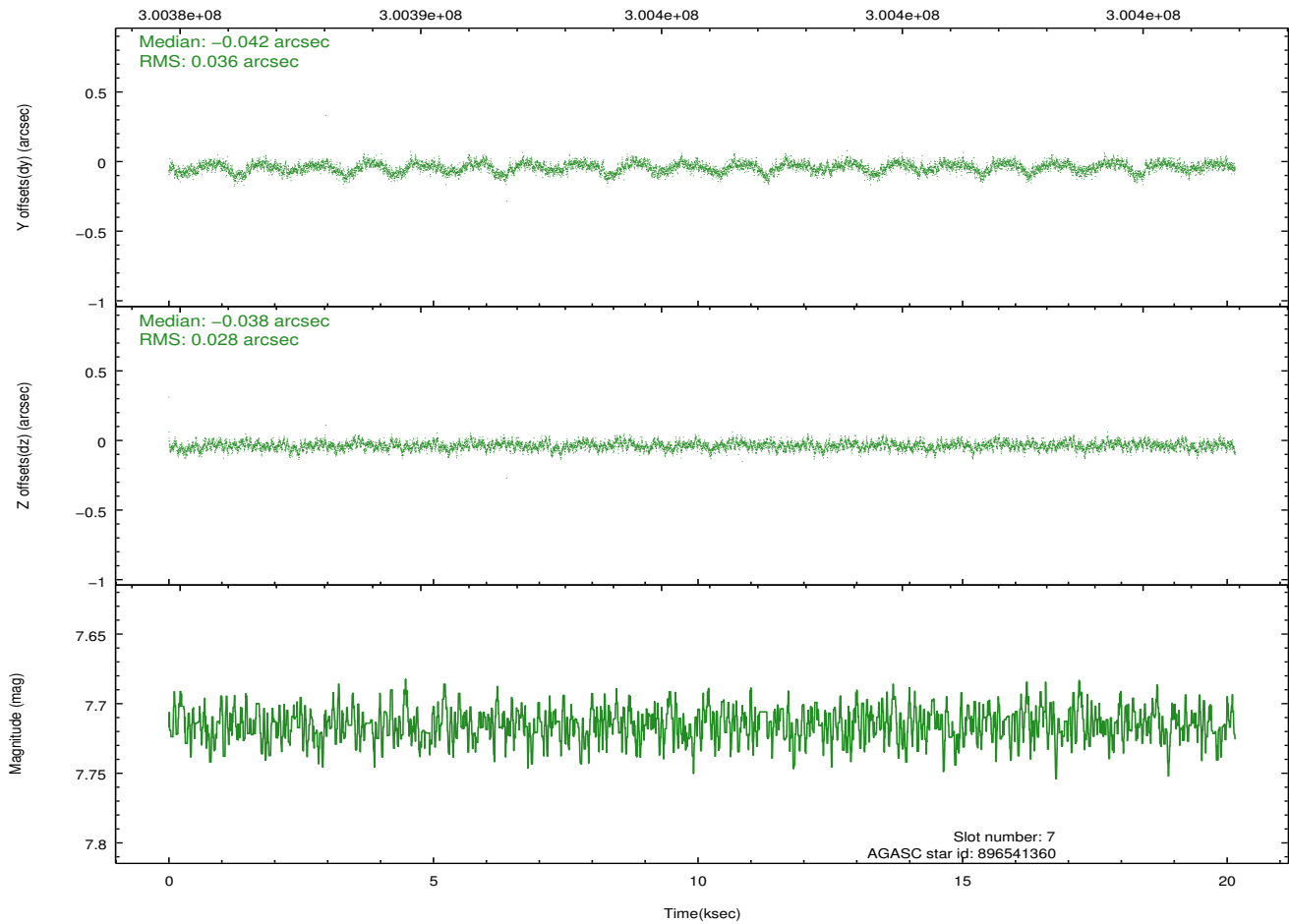
2.4.4 Slot 6



2.4.5 Slot 7

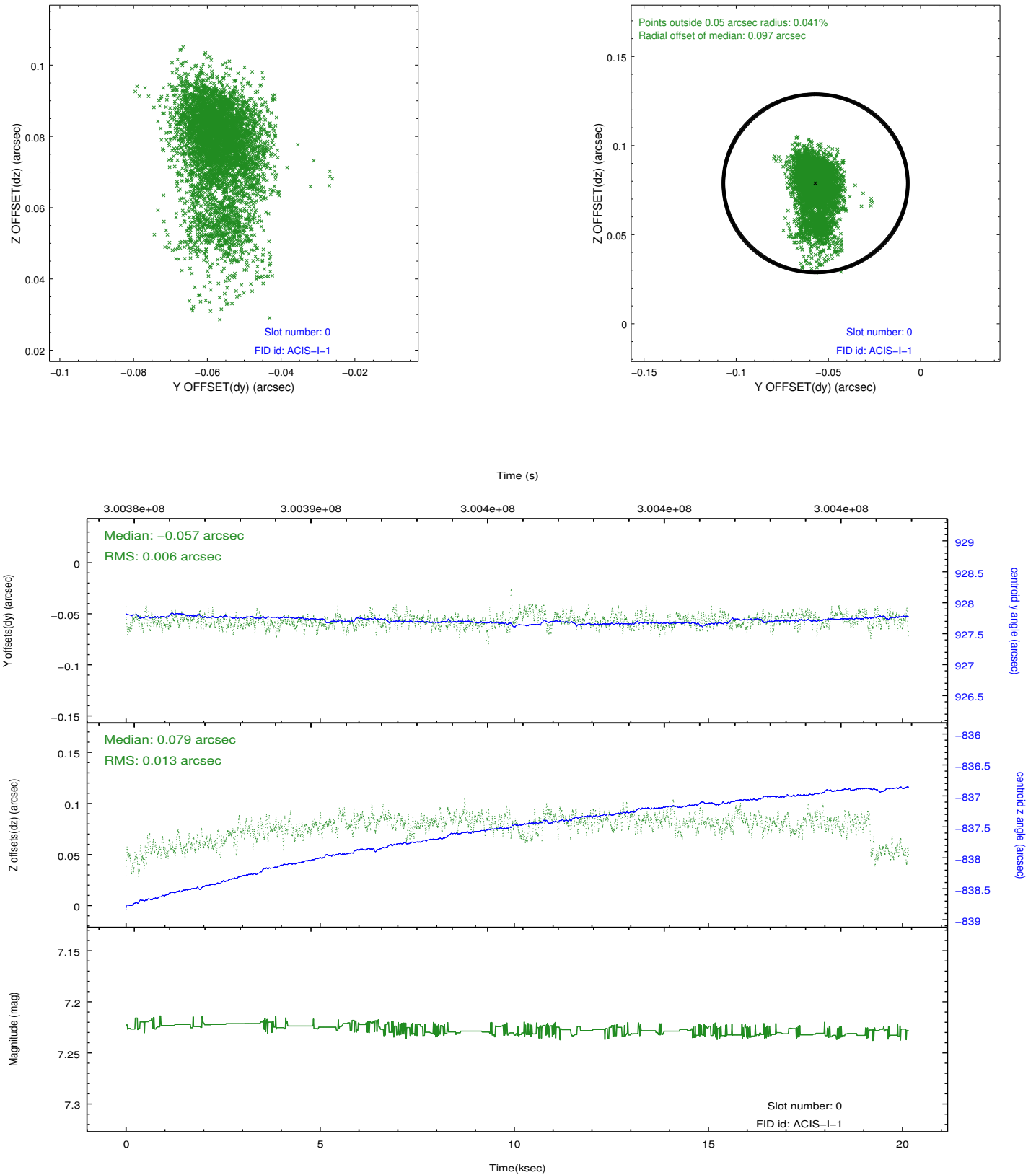


Time (s)

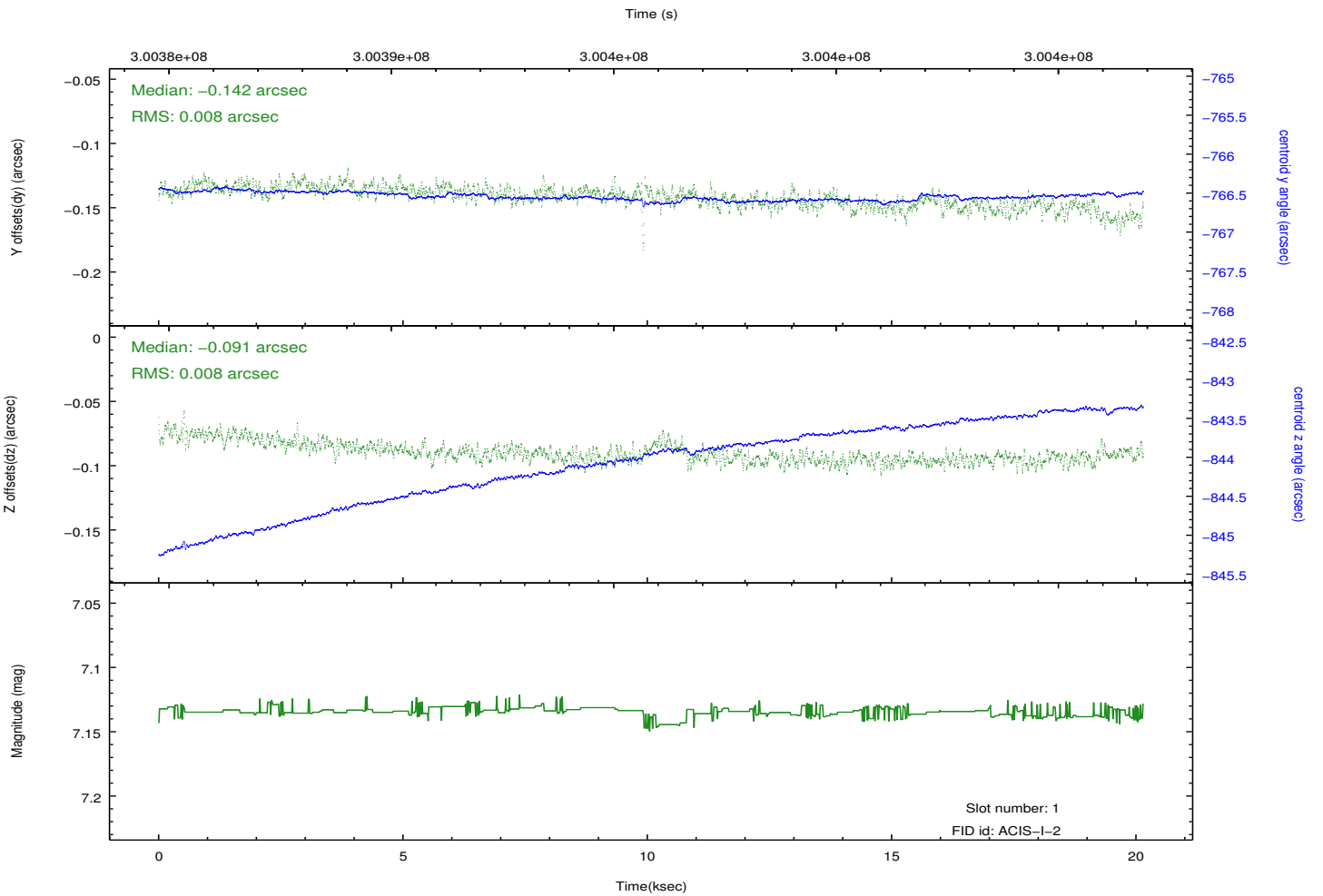
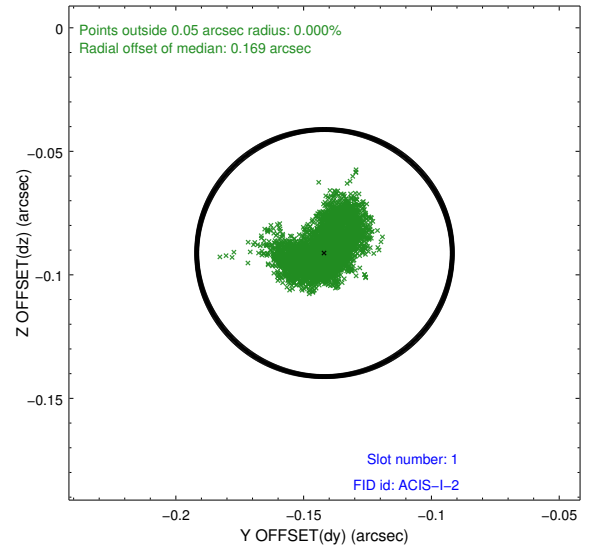
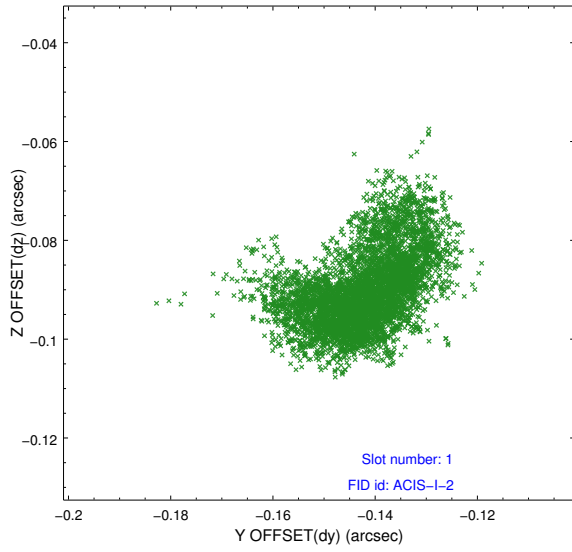


2.5 FID Slots

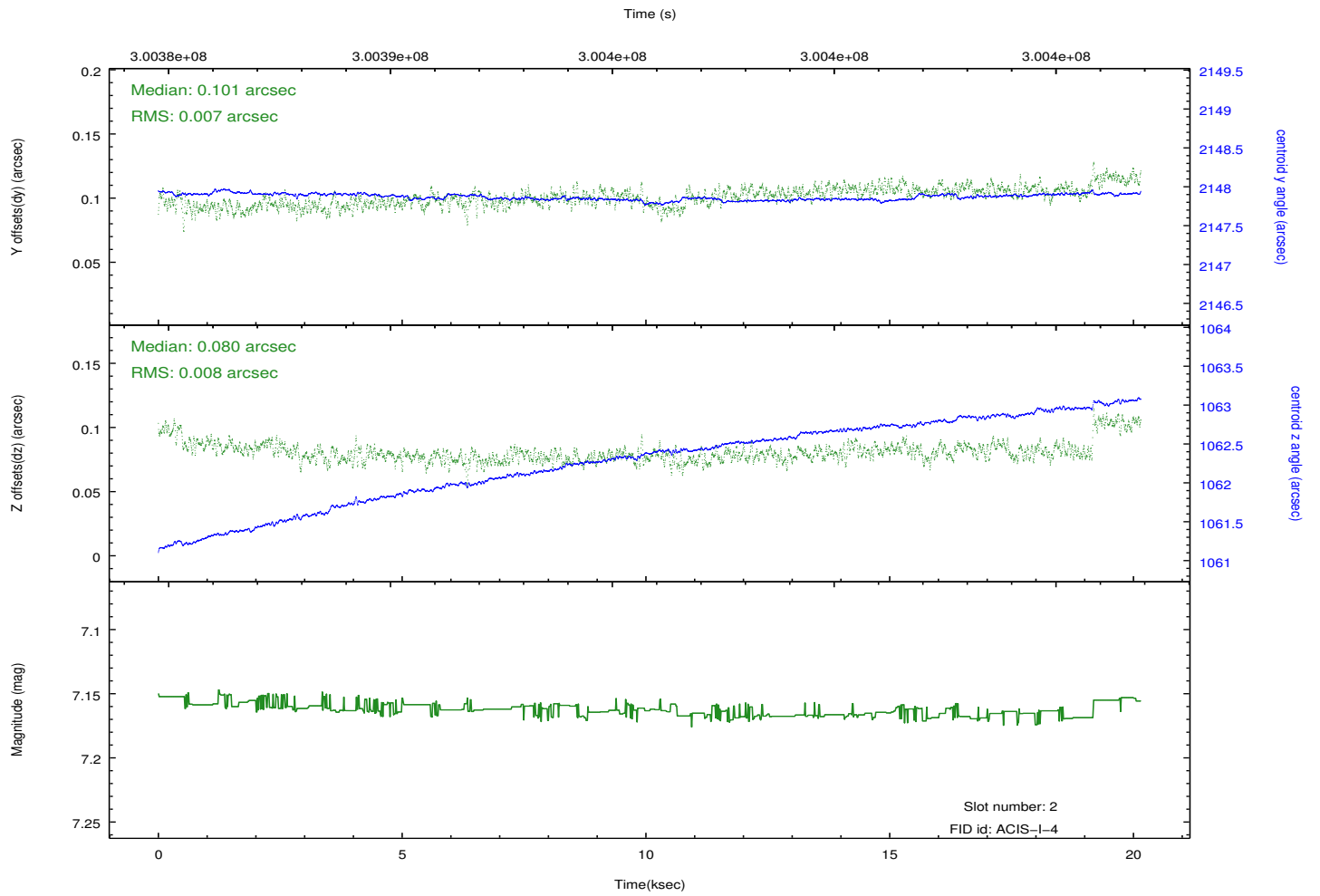
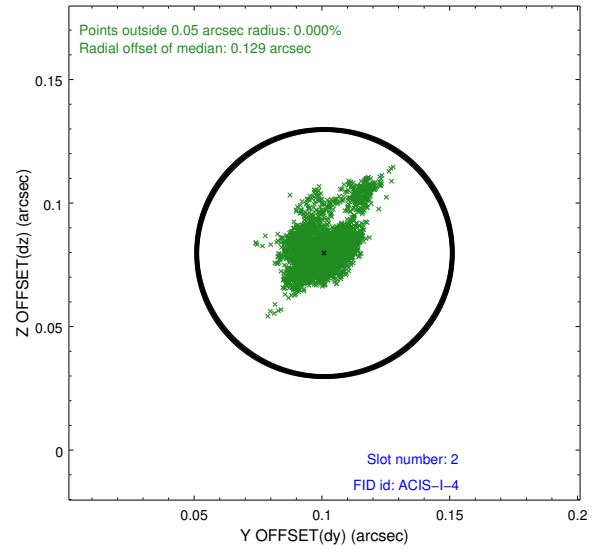
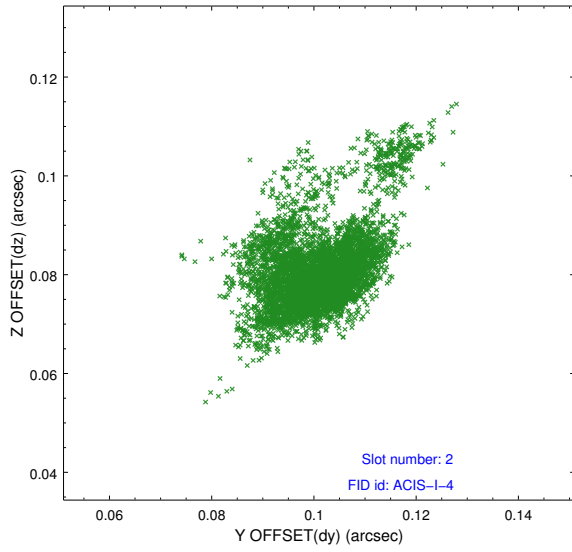
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1503999

A.2 Comments

Roll preference met.