

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7056 - L2 Version 2
Chandra X-Ray Center

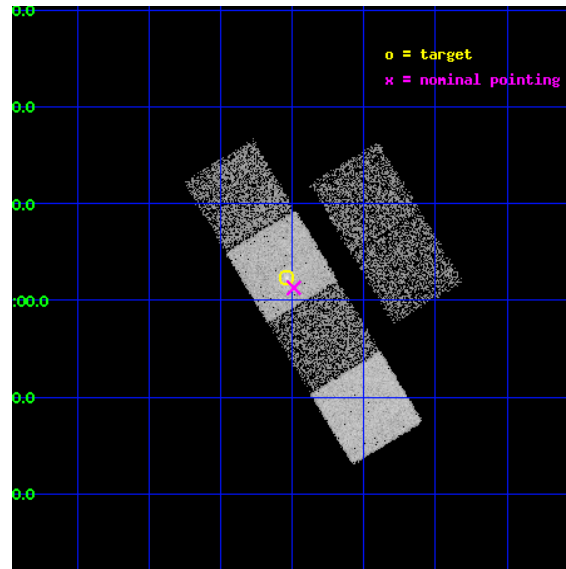
L2 Processing Date : Apr 4 2012

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1 Front

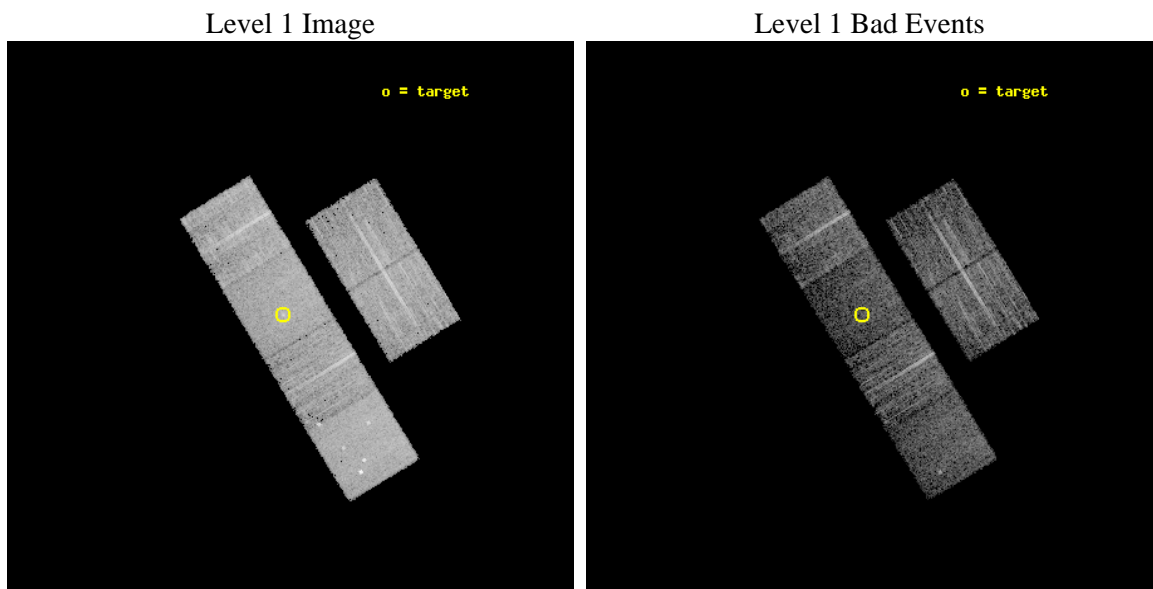
seq_num	600494	Sequence number
obs_id	7056	Observation id
title	Isolated Ellipticals	Proposal title
observer	Dr Stephen Murray	Principal investigator
object	UGC4956	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	140.009167	Observer's specified target RA [deg]
dec_targ	1.038333	Observer's specified target Dec [deg]
ra_nom	139.9969897054	Nominal RA [deg]
dec_nom	1.0215583849202	Nominal Dec [deg]
roll_nom	238.71993200762	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5145.5999808311	Sum of GTIs [s]
livetime	5080.4432955655	Livetime [s]
ontime2	5145.5999808311	Sum of GTIs [s]
ontime3	5145.5999808311	Sum of GTIs [s]
ontime5	5145.5999808311	Sum of GTIs [s]
ontime6	5145.5999808311	Sum of GTIs [s]
ontime7	5145.5999808311	Sum of GTIs [s]
ontime8	5145.5999808311	Sum of GTIs [s]
l2events	58290	Number of level 2 events



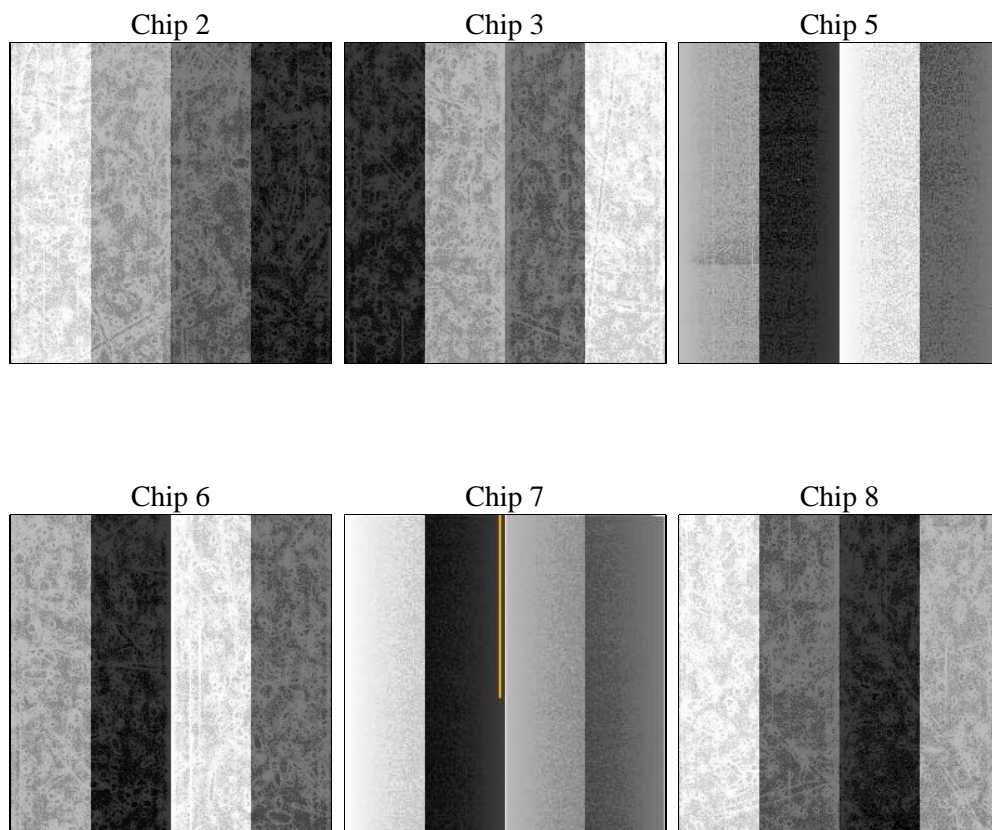
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4975.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5145.5999808311	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5145.5999808311	Sum of GTIs [s]
date	2012-04-04T01:16:23	Date and time of file creation	ontime3	5145.5999808311	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5145.5999808311	Sum of GTIs [s]
			ontime6	5145.5999808311	Sum of GTIs [s]
			ontime7	5145.5999808311	Sum of GTIs [s]
			ontime8	5145.5999808311	Sum of GTIs [s]
			l1events	281582	Number of level 1 events

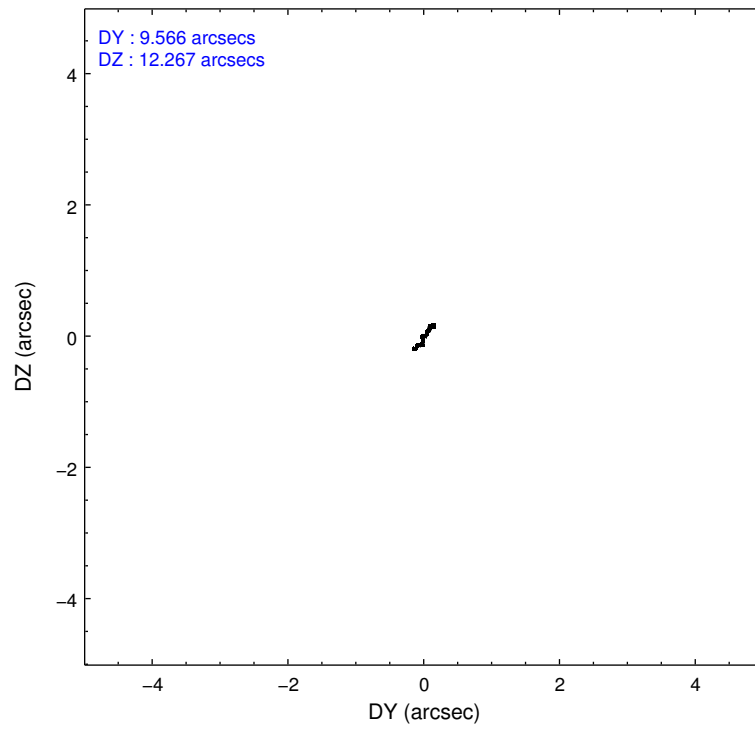
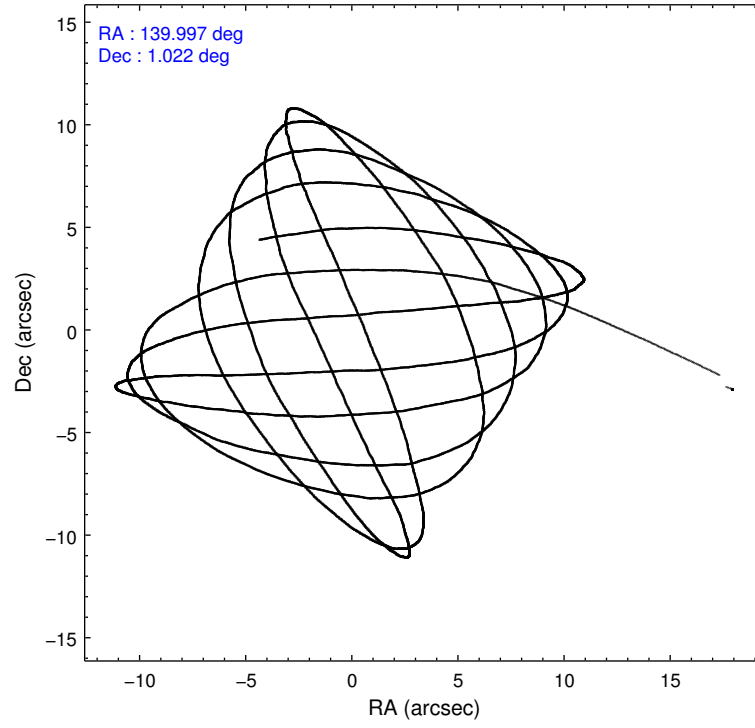
2.1.4 Events

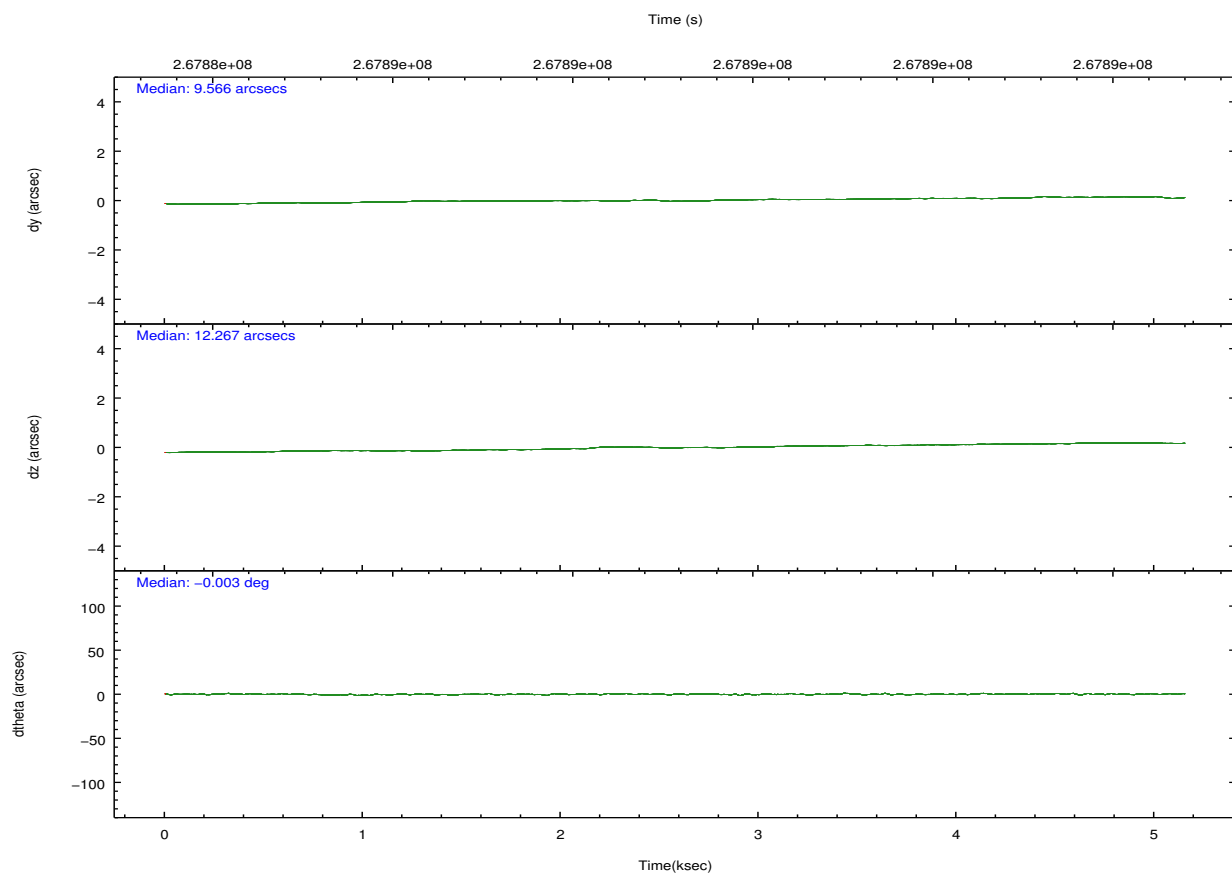
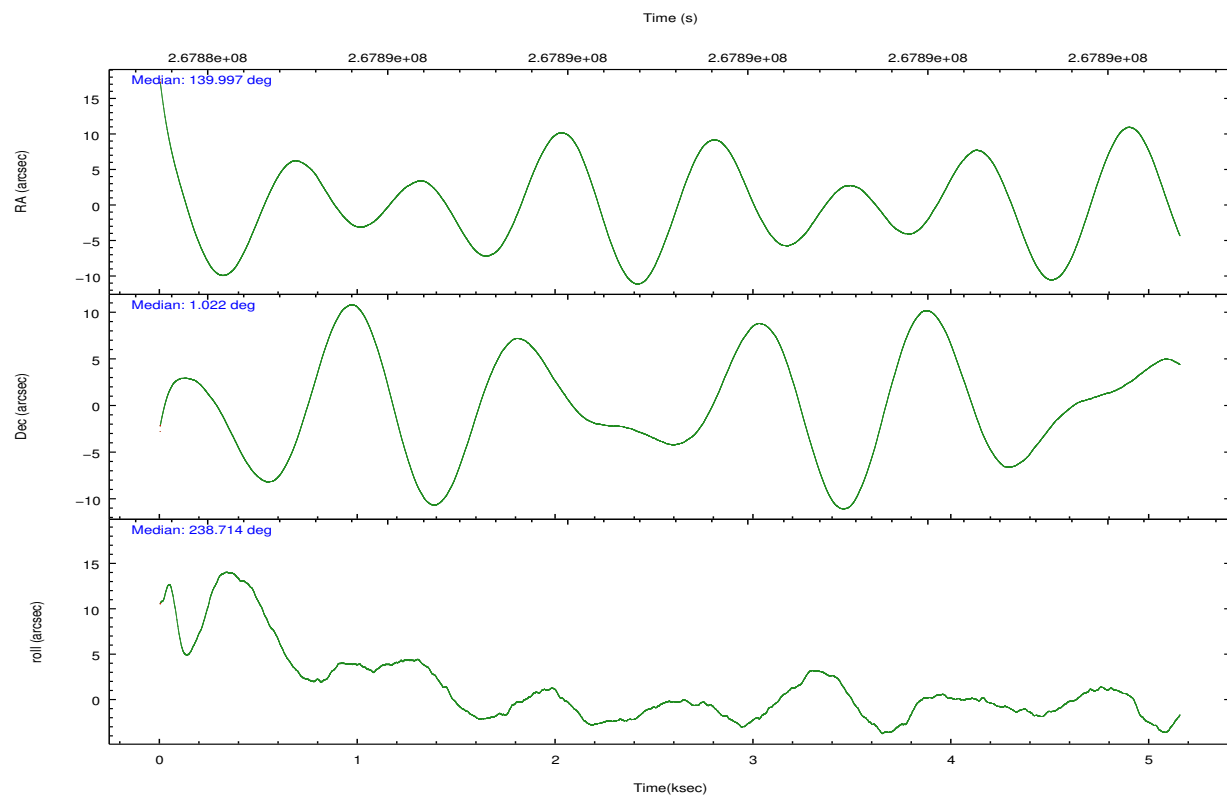
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46185	39515	57423	40406	46006	52047	grade 0 events	1412	1301	3477	1553	2141	3822
rejected events	42457	36019	30024	36291	25617	40031		3%	3%	6%	3%	4%	7%
rejected %	91%	91%	52%	89%	55%	76%	grade 1 events	23	21	133	24	29	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	976	785	8562	925	4471	2888
								2%	1%	14%	2%	9%	5%
							grade 3 events	404	430	1264	482	2059	1347
								0%	1%	2%	1%	4%	2%
							grade 4 events	413	429	1201	473	2020	1209
								0%	1%	2%	1%	4%	2%
							grade 5 events	1364	1610	4637	1646	4835	2311
								2%	4%	8%	4%	10%	4%
							grade 6 events	706	743	14400	912	10761	3493
								1%	1%	25%	2%	23%	6%
							grade 7 events	40887	34196	23749	34391	19690	36937
								88%	86%	41%	85%	42%	70%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	139.997185	139.996989705401	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.048778	1.021558384920192	Alternating exposures requested	N	N
[deg] Pointing Roll	238.563304	238.7199320076155	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	267885174.184000	267883967.24648			
Observation start date	2006-06-28T12:31:49	2006-06-28T12:12:47			
[s] Observation end time (MET)	267890149.184000	267890825.0093			
Observation end date	2006-06-28T13:54:44	2006-06-28T14:07:05			
Read mode	TIMED	TIMED			

2.3 Aspect



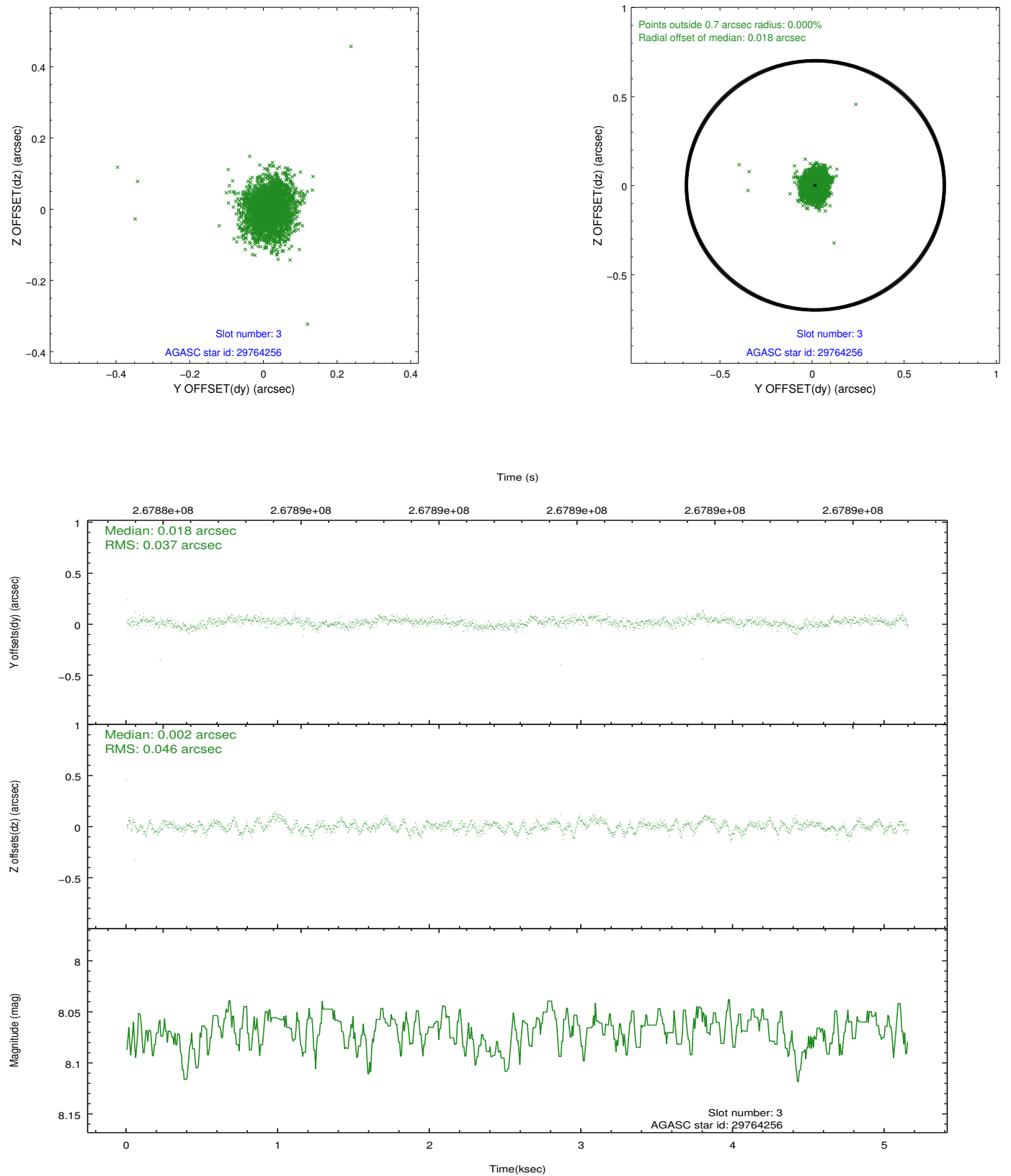


Slot Statistics

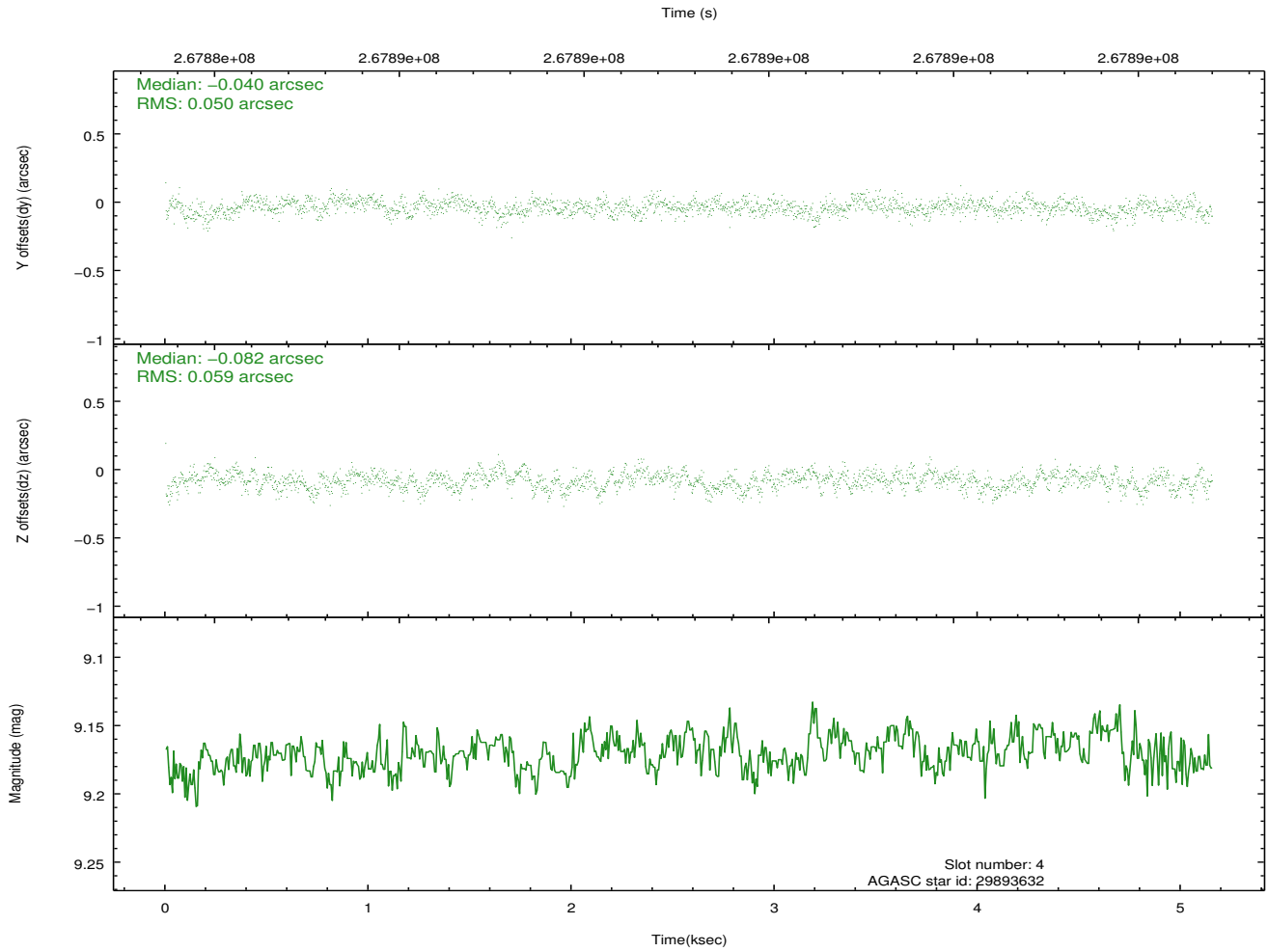
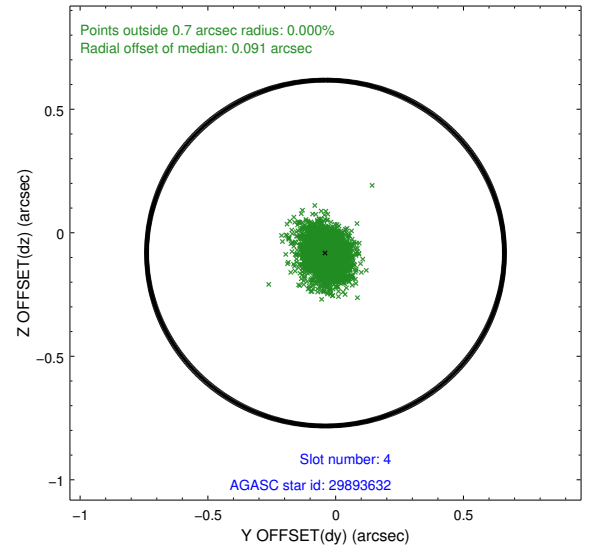
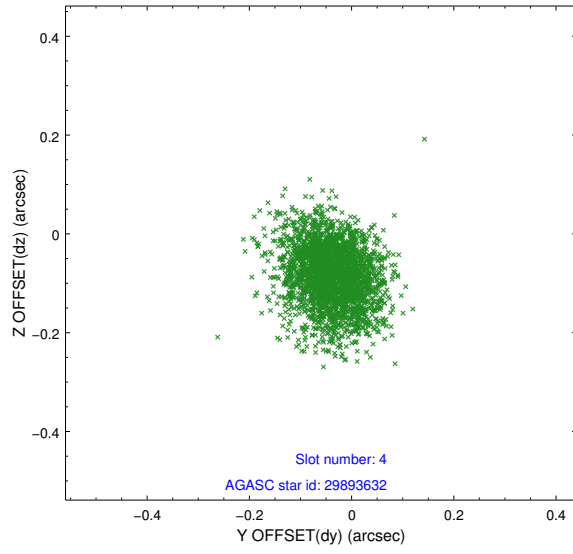
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1257	-0.078	-0.053	0.006	0.011	0.000000	0.000000	-762.51	-1733.55
1	FID	ACIS-S-4	7.21	1258	0.083	0.036	0.007	0.011	0.000000	0.000000	2150.43	173.76
2	FID	ACIS-S-6	7.35	1258	-0.032	0.024	0.007	0.012	0.000000	0.000000	401.07	812.50
3	GUIDE	29764256	8.07	2512	0.018	0.002	0.060	0.098	139.867975	0.897058	710.19	-112.22
4	GUIDE	29893632	9.17	2507	-0.040	-0.082	0.082	0.136	140.079929	0.722808	846.41	866.02
5	GUIDE	29896208	7.46	2514	-0.065	0.053	0.056	0.090	140.109662	0.283824	2139.00	1782.61
6	GUIDE	29900872	9.74	2510	-0.058	0.053	0.115	0.183	140.045360	1.420529	-1231.03	-549.41
7	GUIDE	29773528	9.75	2511	0.142	-0.019	0.123	0.201	139.728876	0.427418	2412.38	342.39

2.4 Star Slots

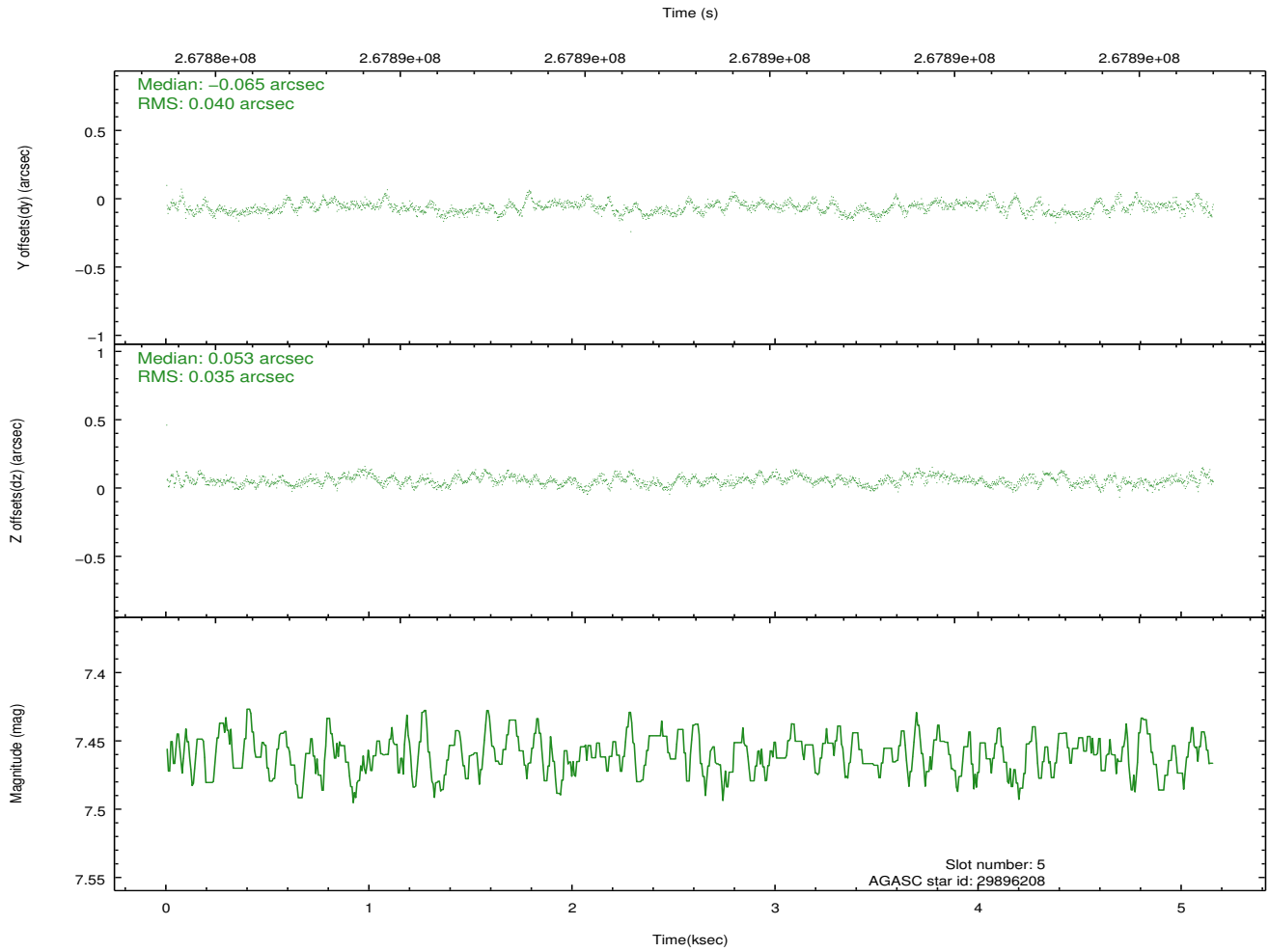
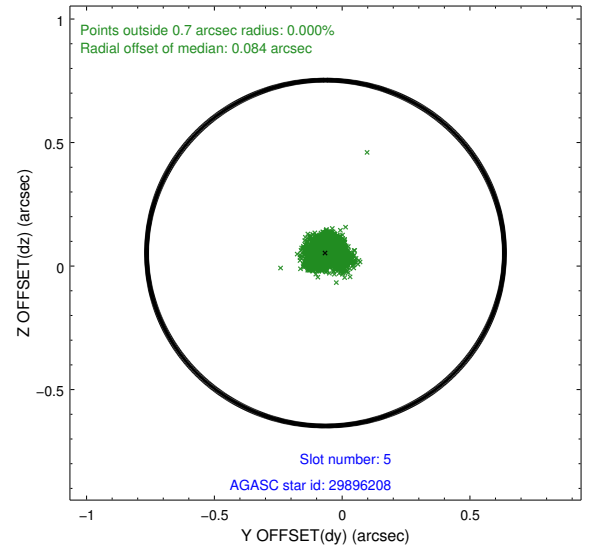
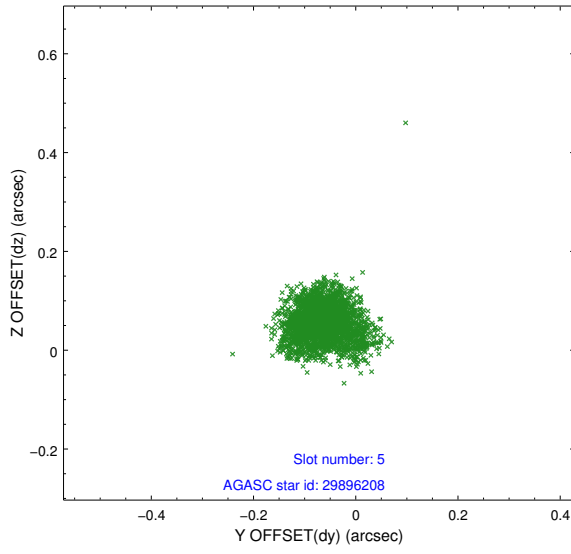
2.4.1 Slot 3



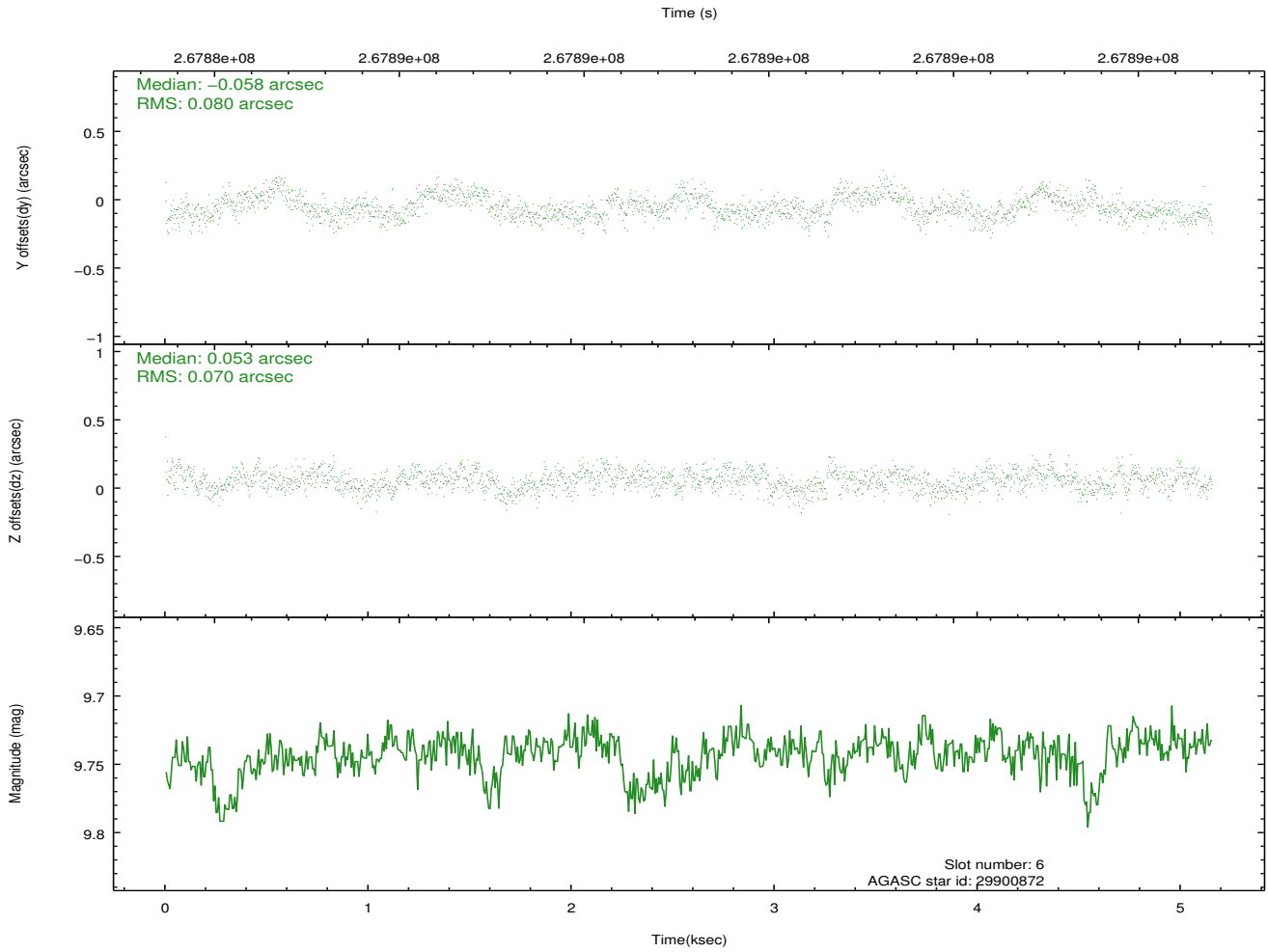
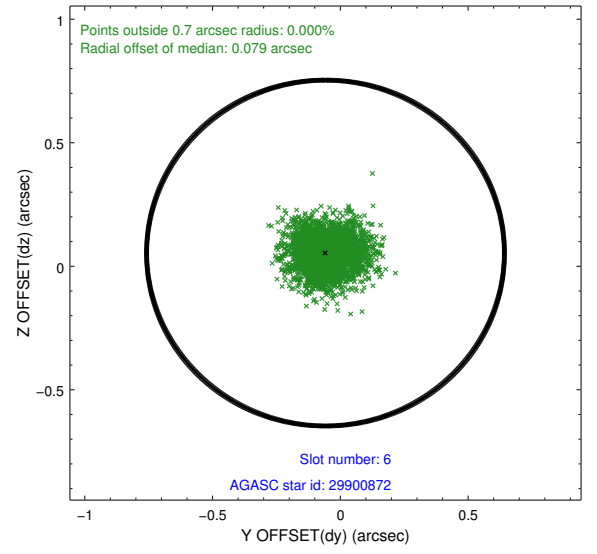
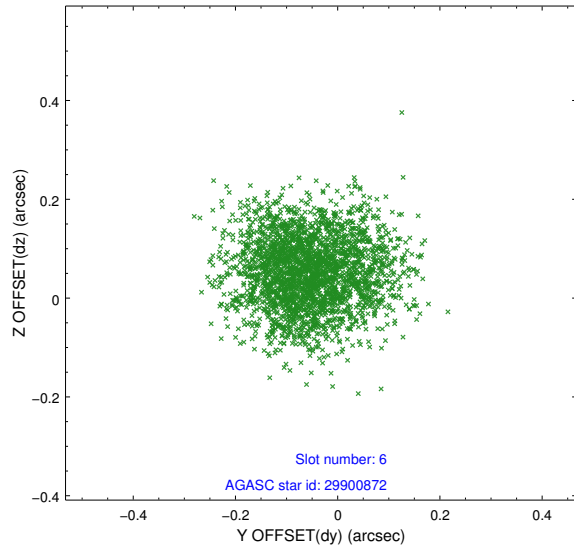
2.4.2 Slot 4



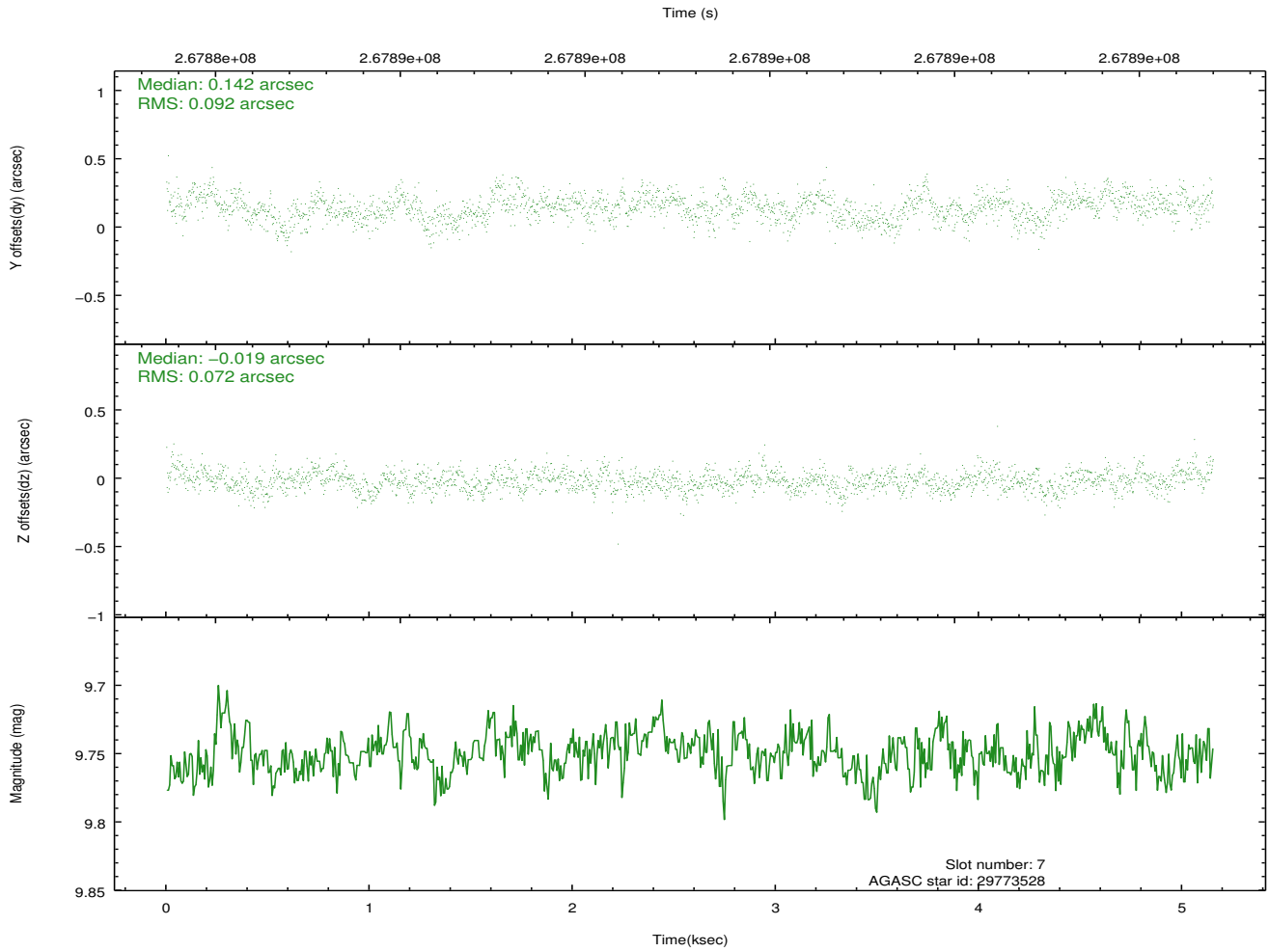
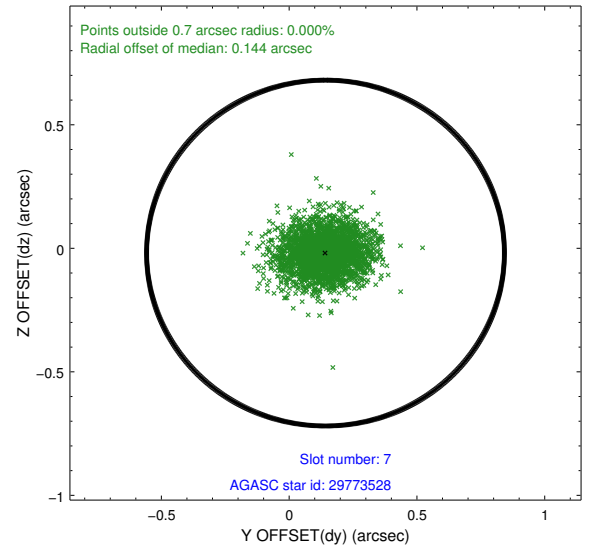
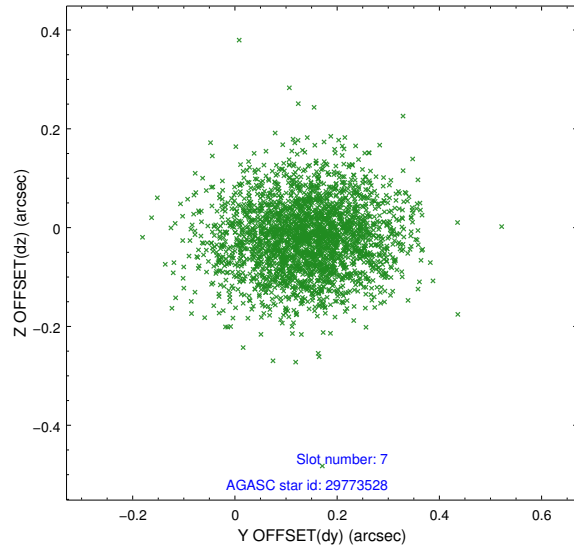
2.4.3 Slot 5



2.4.4 Slot 6

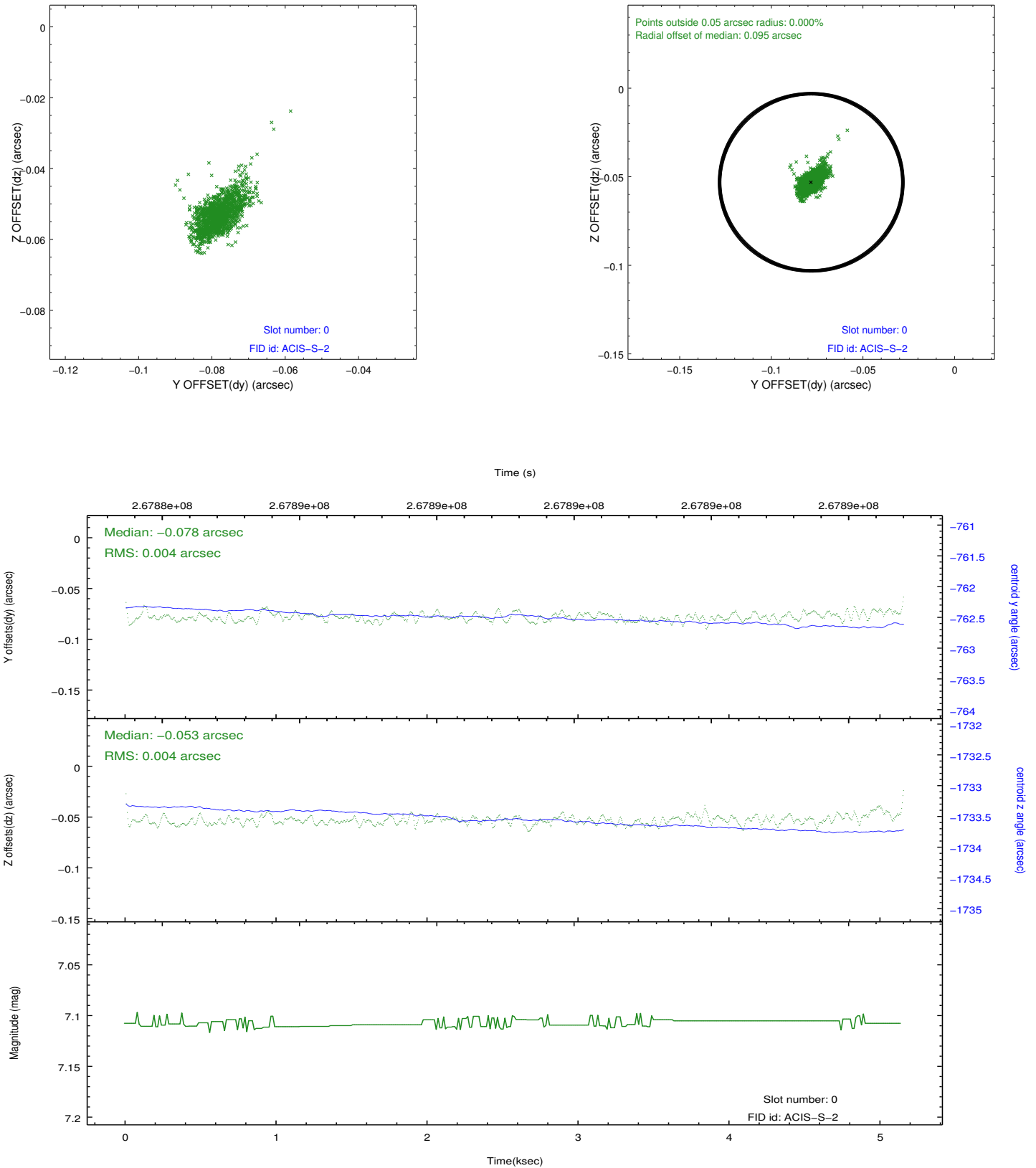


2.4.5 Slot 7

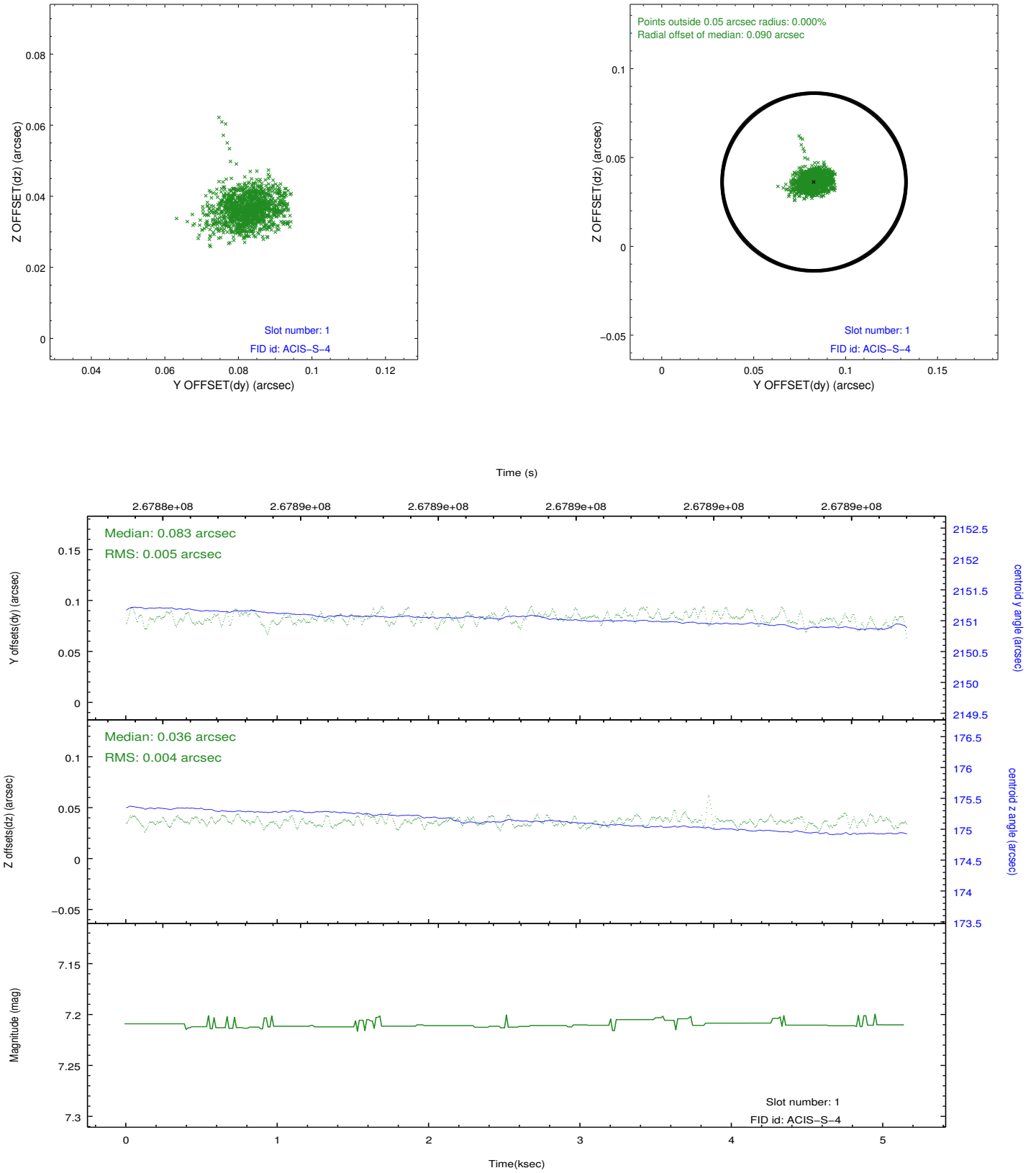


2.5 FID Slots

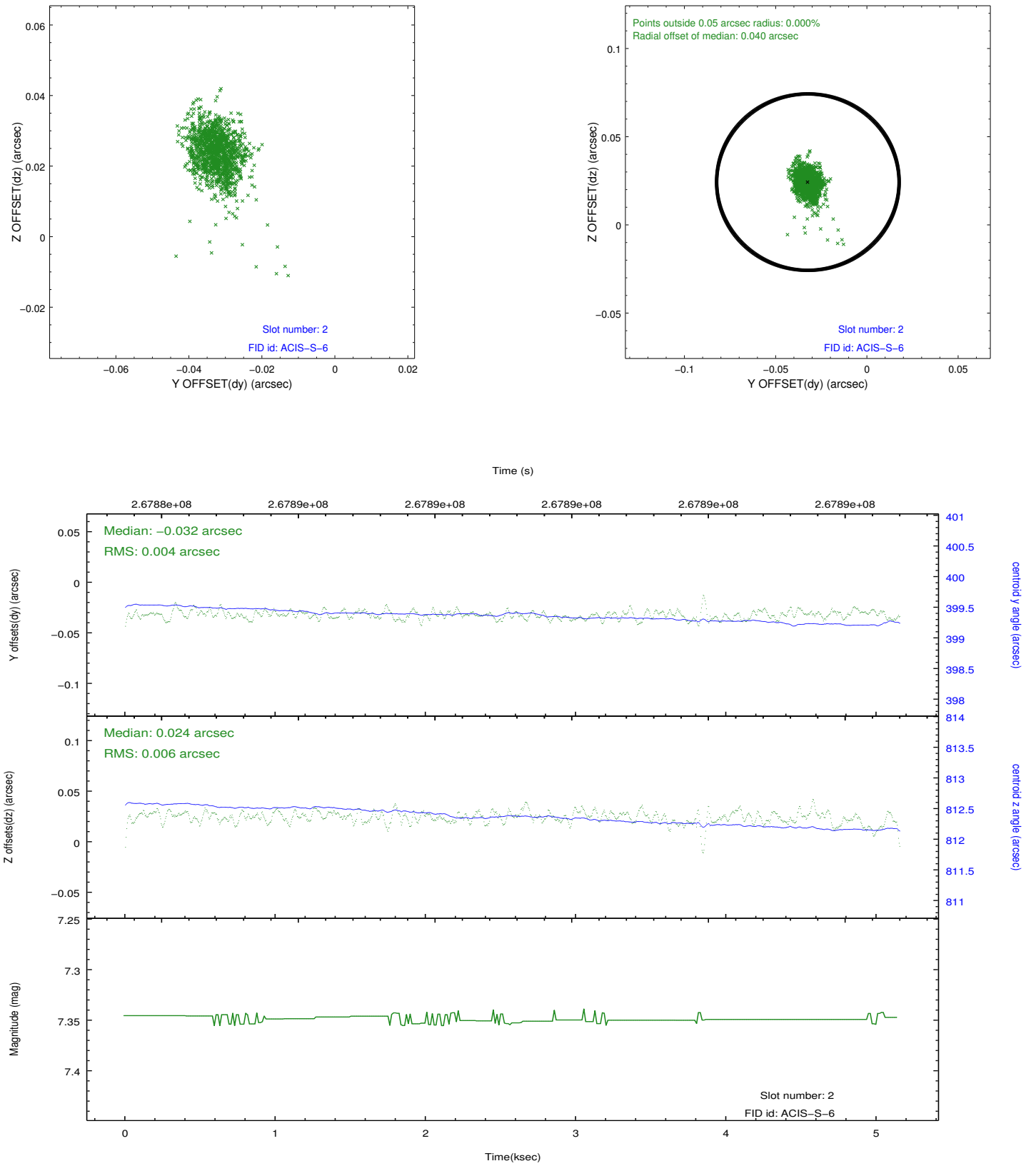
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14559998

A.2 Comments