

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11008 - L2 Version 2
Chandra X-Ray Center

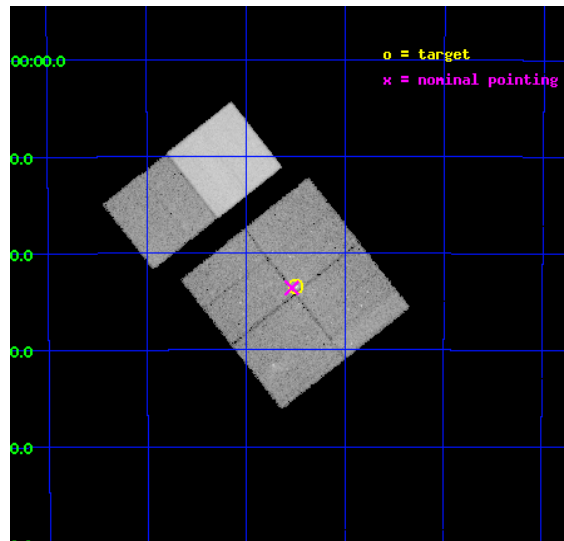
L2 Processing Date : Jun 28 2012

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1 Front

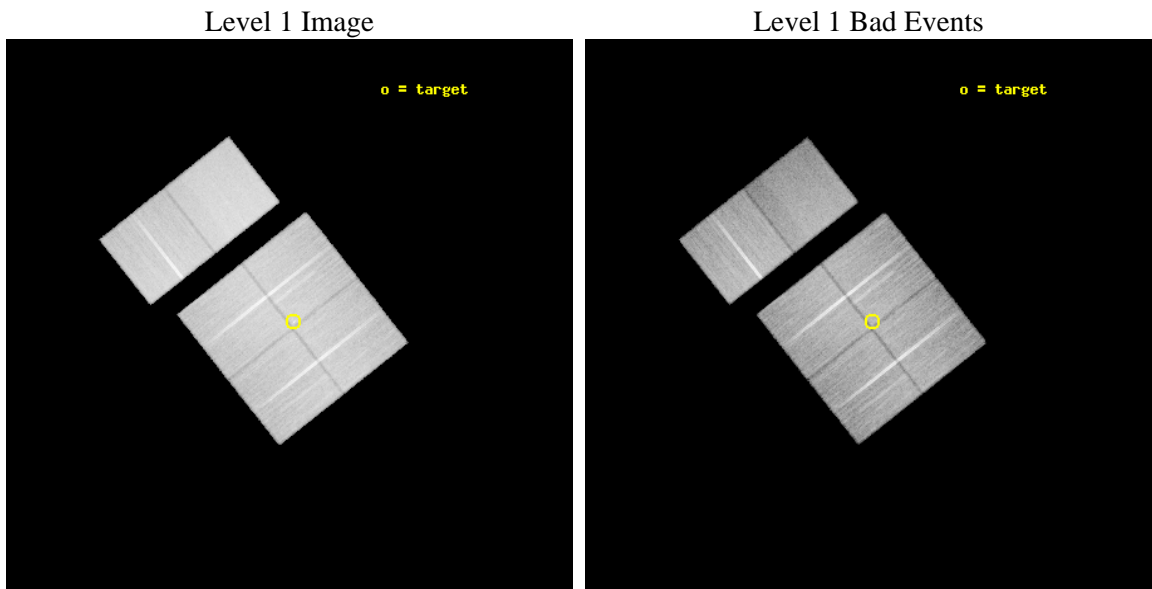
seq_num	200639	Sequence number
obs_id	11008	Observation id
title	The nature of GLIMPSE 81: a star cluster to rival Westerlund 1?	Pr
observer	Prof Donald Figer	Principal investigator
object	GLIMPSE81	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.123333	Observer's specified target RA [deg]
dec_targ	-46.3905	Observer's specified target Dec [deg]
ra_nom	250.13428689934	Nominal RA [deg]
dec_nom	-46.393394465353	Nominal Dec [deg]
roll_nom	321.71365553304	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40059.574919641	Sum of GTIs [s]
livetime	39552.316461028	Livetime [s]
ontime0	40056.210749328	Sum of GTIs [s]
ontime1	40056.251809418	Sum of GTIs [s]
ontime2	40059.533879638	Sum of GTIs [s]
ontime3	40059.574919641	Sum of GTIs [s]
ontime6	40059.656999648	Sum of GTIs [s]
ontime7	40059.615959644	Sum of GTIs [s]
l2events	318063	Number of level 2 events



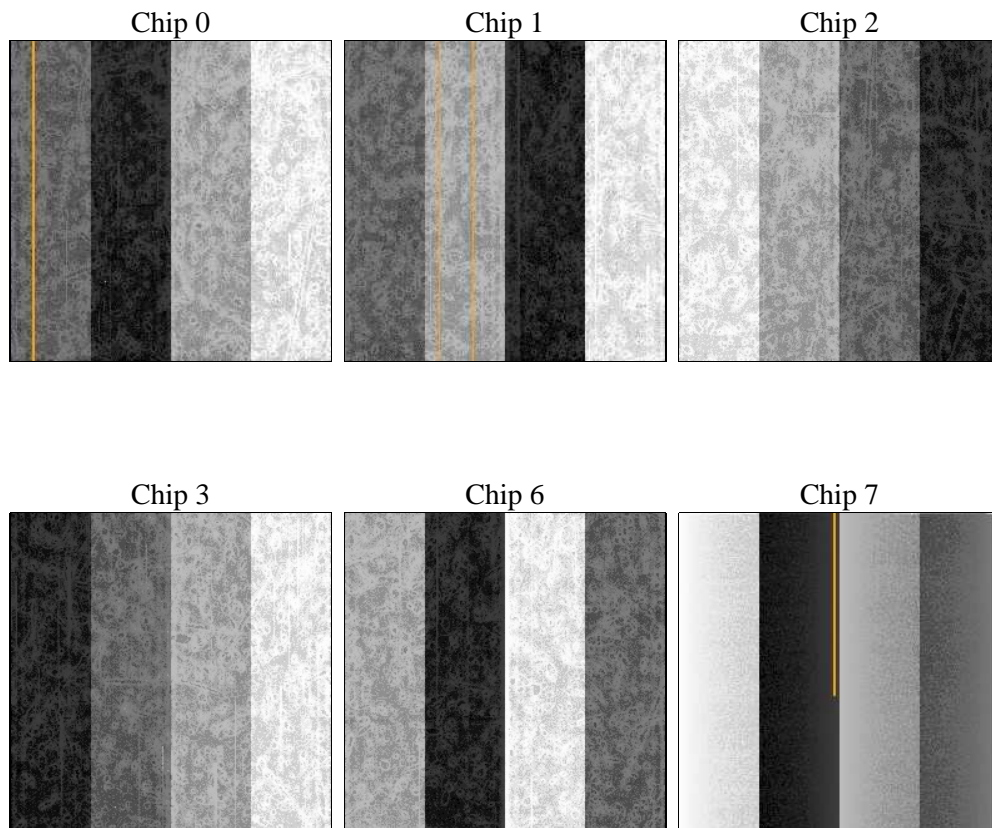
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40009.233000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40059.574919641	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	40056.210749328	Sum of GTIs [s]
date	2012-06-28T21:55:06	Date and time of file creation	ontime1	40056.251809418	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40059.533879638	Sum of GTIs [s]
			ontime3	40059.574919641	Sum of GTIs [s]
			ontime6	40059.656999648	Sum of GTIs [s]
			ontime7	40059.615959644	Sum of GTIs [s]
			l1events	1847258	Number of level 1 events

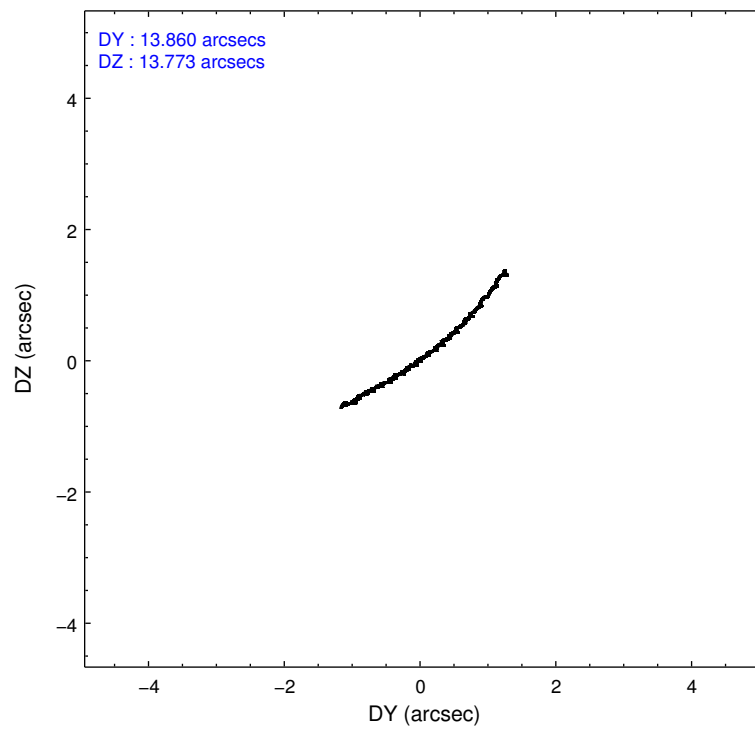
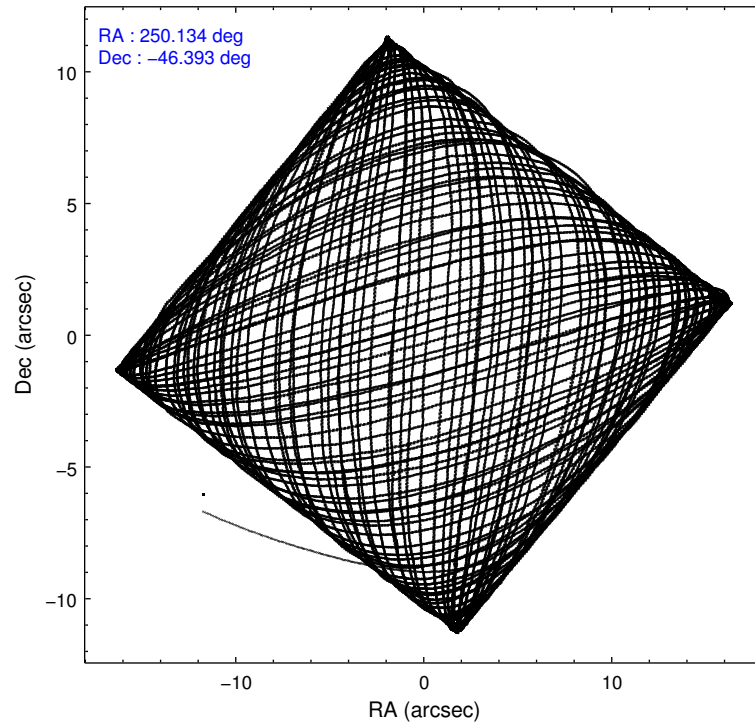
2.1.4 Events

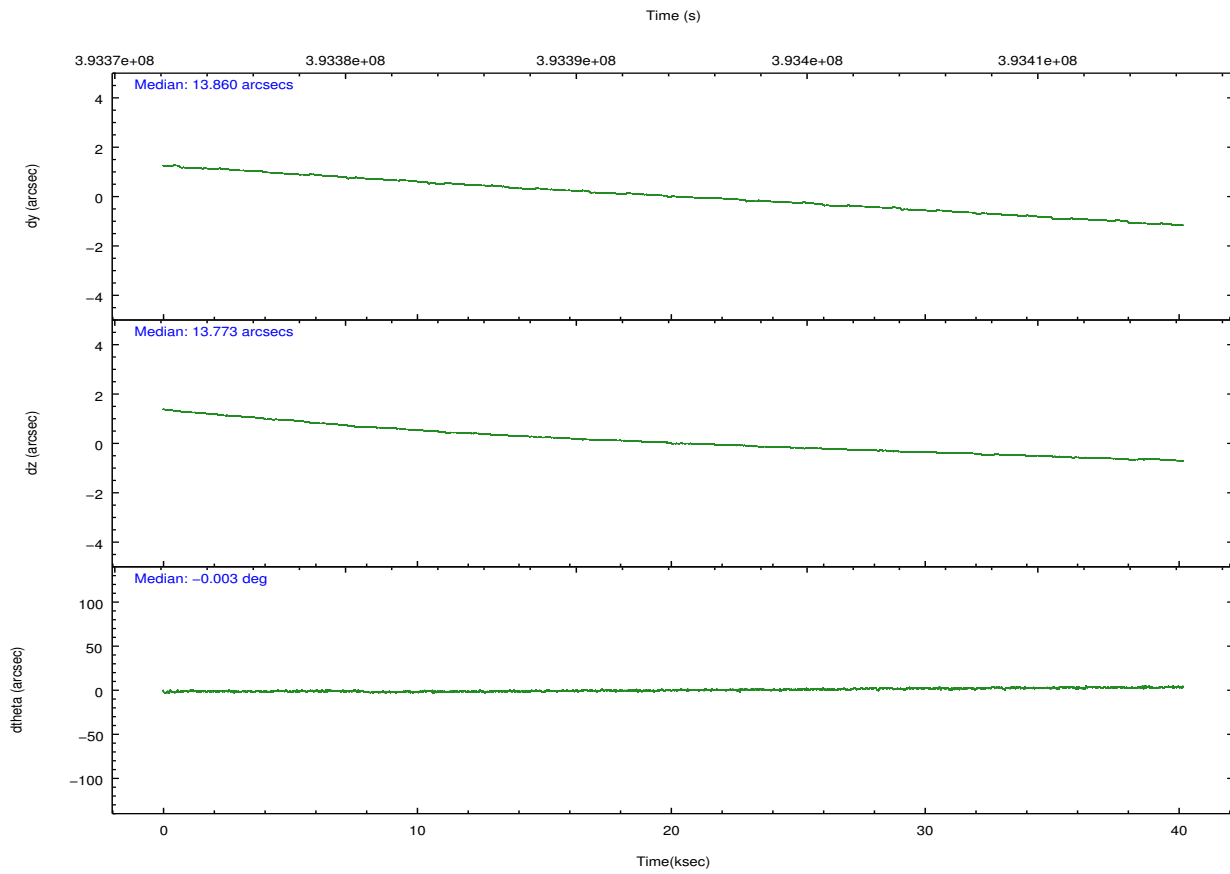
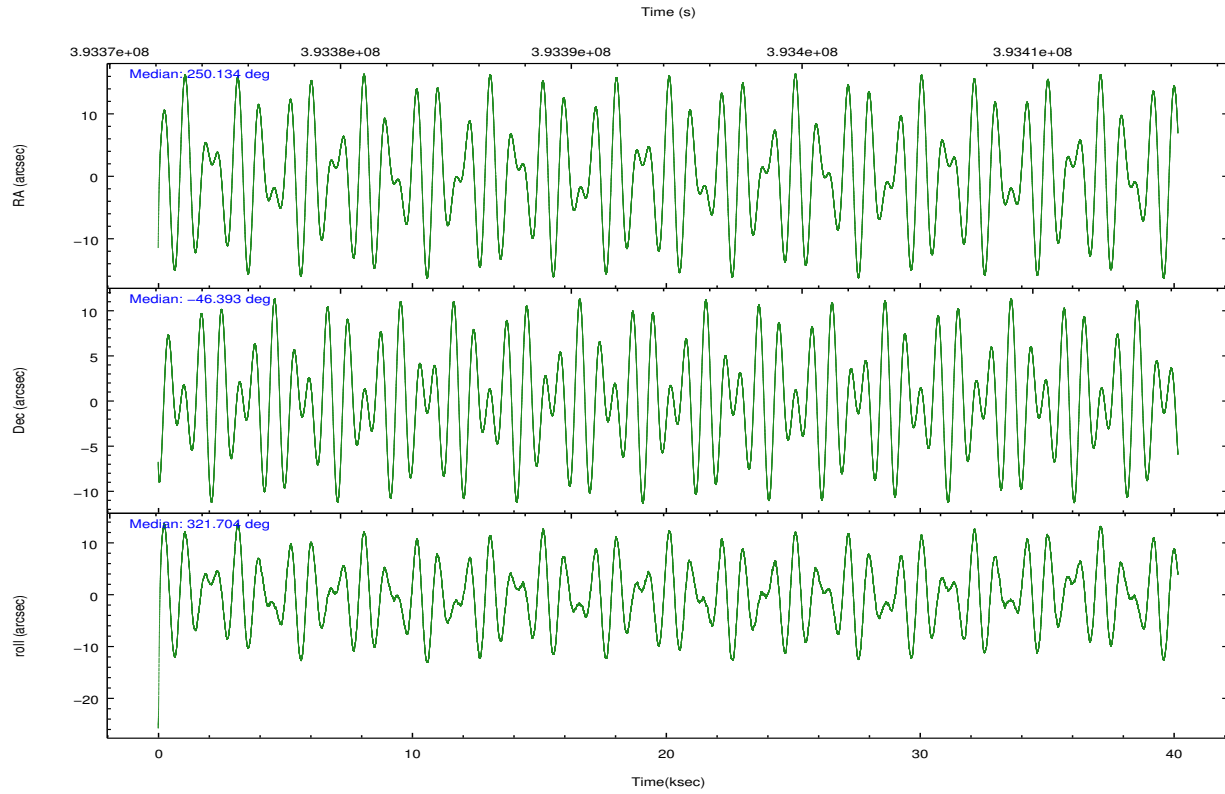
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	277082	279275	310228	298967	315169	366537	grade 0 events	15258	15654	14554	13543	13783	15298
rejected events	239415	239799	274354	264874	278688	200024		5%	5%	4%	4%	4%	4%
rejected %	86%	85%	88%	88%	88%	54%	grade 1 events	151	187	175	214	179	493
								0%	0%	0%	0%	0%	0%
							grade 2 events	8533	8741	8226	7119	7977	34057
								3%	3%	2%	2%	2%	9%
							grade 3 events	3821	3888	3447	3463	3672	14859
								1%	1%	1%	1%	1%	4%
							grade 4 events	3406	3826	3384	3481	3491	14827
								1%	1%	1%	1%	1%	4%
							grade 5 events	11761	12675	11209	13788	13835	38283
								4%	4%	3%	4%	4%	10%
							grade 6 events	6658	7374	6268	6496	7571	87497
								2%	2%	2%	2%	2%	23%
							grade 7 events	227494	226930	262965	250863	264661	161223
								82%	81%	84%	83%	83%	43%

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	250.094809	250.1342868993425	CCD I2 on	Y	Y
[deg] Pointing Dec	-46.389535	-46.39339446535317	CCD I3 on	Y	Y
[deg] Pointing Roll	321.476389	321.7136555330438	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)	393374253.184000	393372619.85723	CCD S5 on	N	N
Observation start date	2010-06-19T22:36:27	2010-06-19T22:10:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	393414263.184000	393414501.35937	On-chip summing requested	N	N
Observation end date	2010-06-20T09:43:17	2010-06-20T09:48:21	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





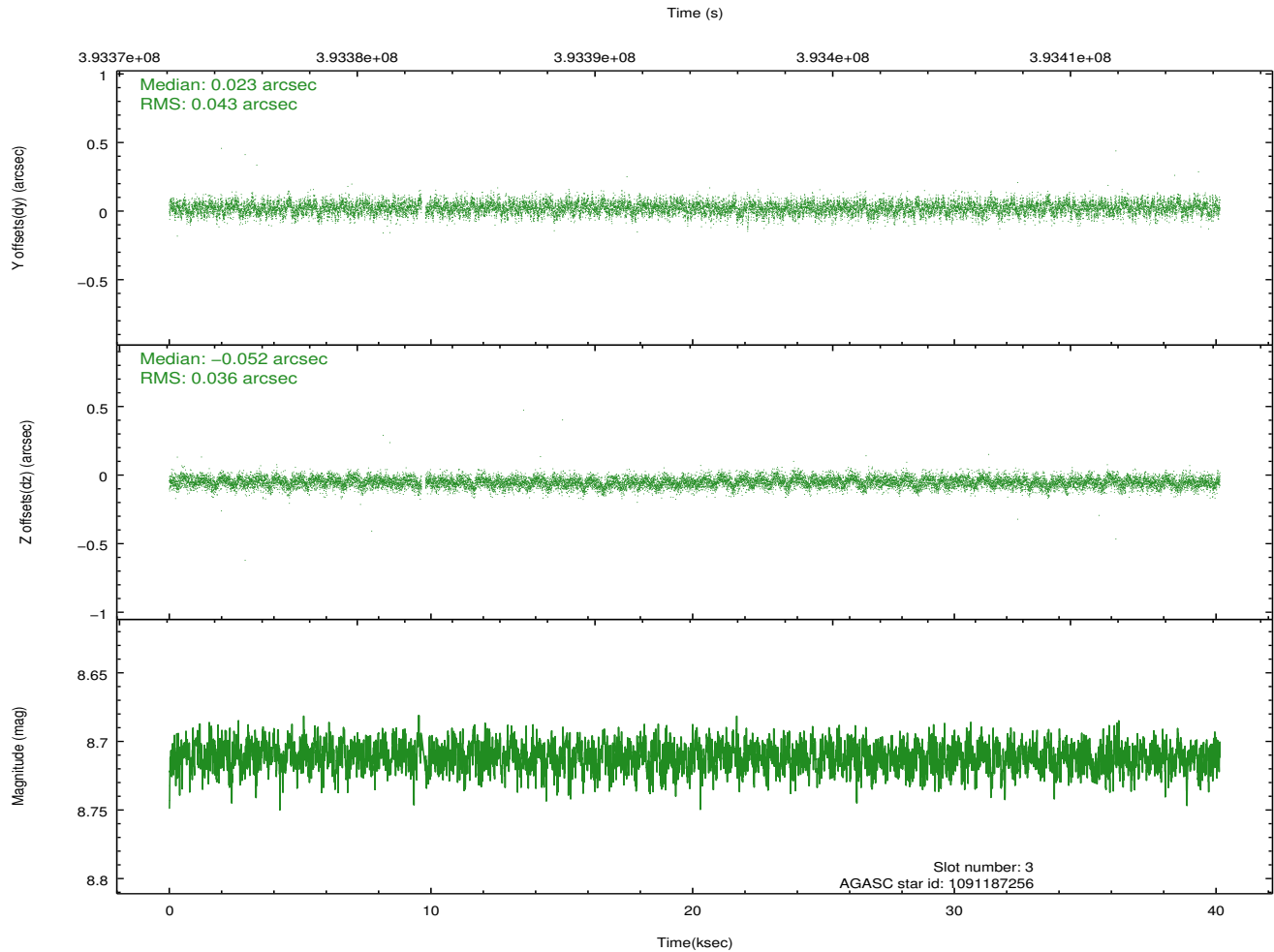
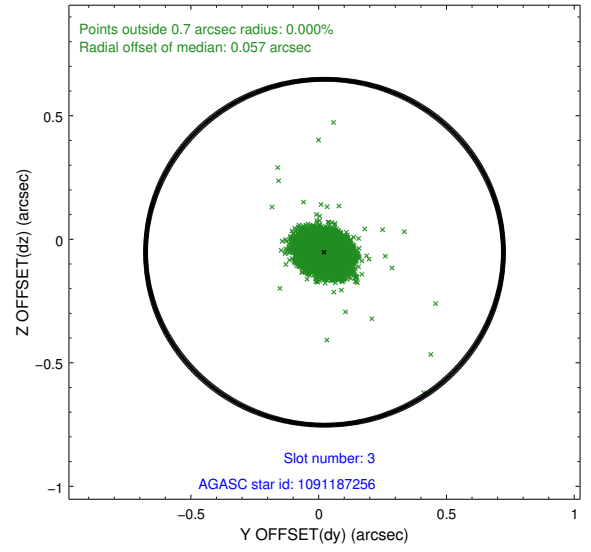
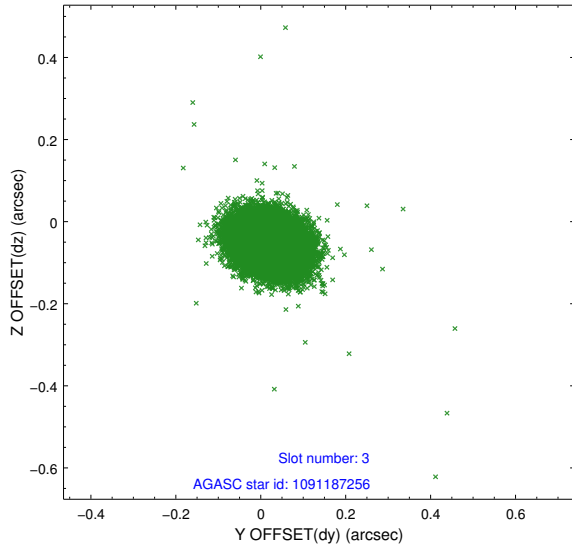
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	9796	-0.006	0.014	0.013	0.025	0.000000	0.000000	925.61	-837.44
1	FID	ACIS-I-4	6.96	9796	0.184	0.018	0.022	0.037	0.000000	0.000000	2145.83	1062.37
2	FID	ACIS-I-5	7.03	9796	-0.273	0.039	0.019	0.030	0.000000	0.000000	-1822.65	1060.23
3	GUIDE	1091187256	8.71	19505	0.023	-0.052	0.058	0.096	249.979379	-45.772253	-1610.76	1557.81
4	GUIDE	1091187584	9.56	19568	0.022	0.179	0.120	0.201	249.154381	-46.614366	-1305.95	-2092.18
5	GUIDE	1091193912	8.91	19508	-0.017	-0.011	0.077	0.127	250.208472	-45.834358	-1021.79	1741.02
6	GUIDE	1091334688	6.11	19591	-0.048	-0.165	0.078	0.117	250.764858	-46.070295	597.70	1936.18
7	GUIDE	1091703920	9.71	19567	0.023	0.051	0.145	0.244	249.858992	-46.910499	715.52	-1828.66

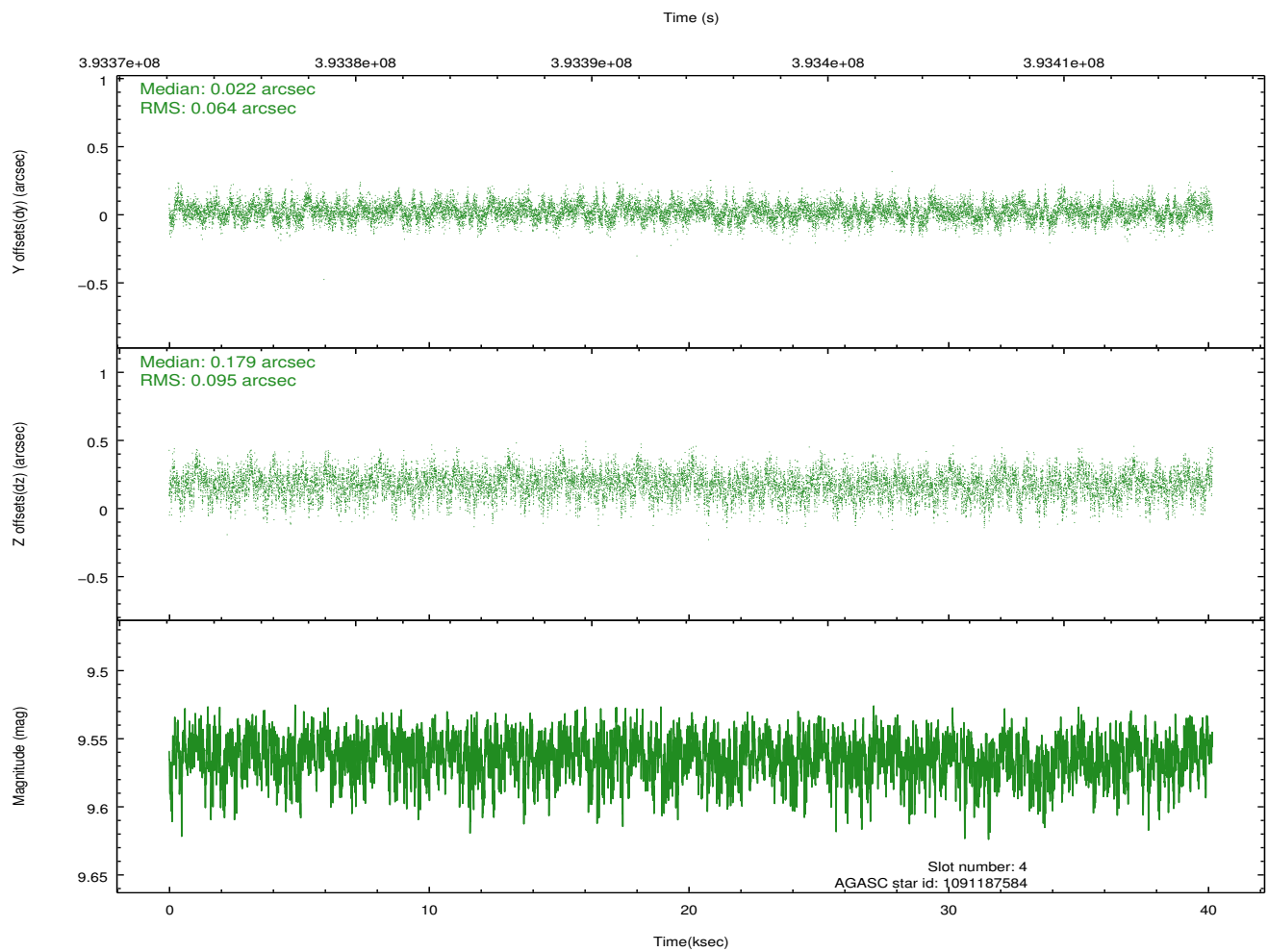
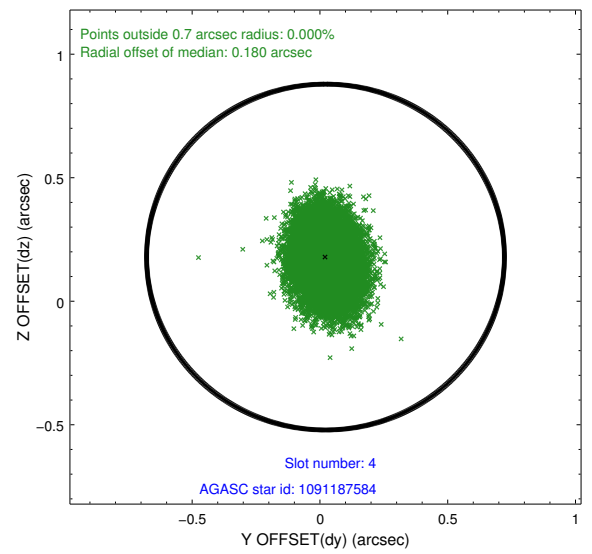
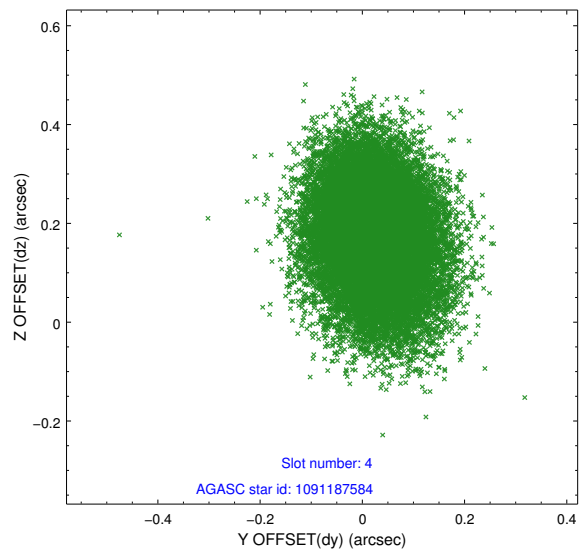
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2.4 Star Slots

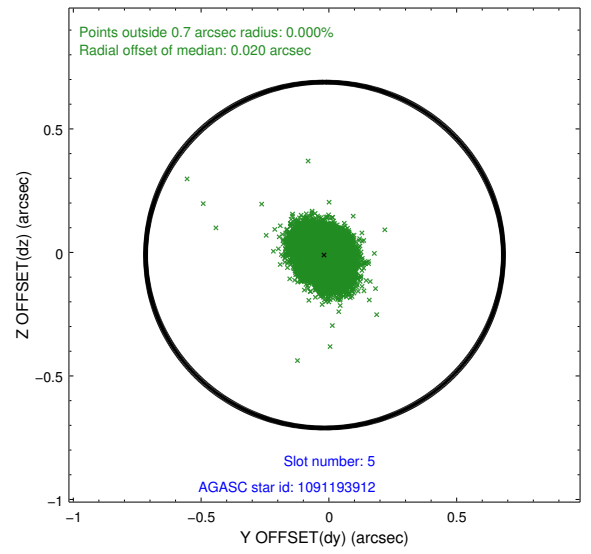
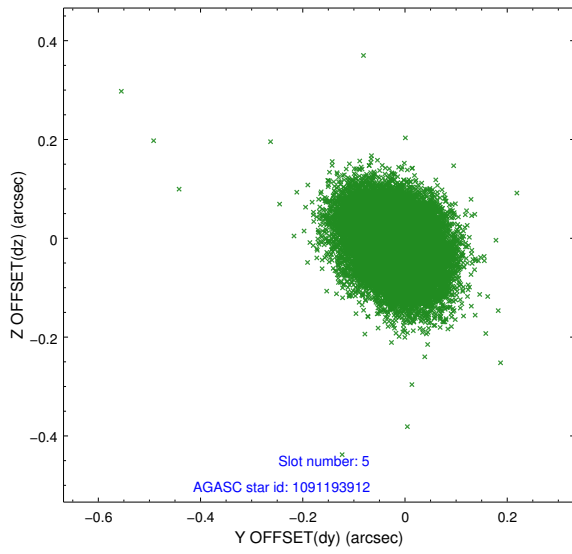
2.4.1 Slot 3



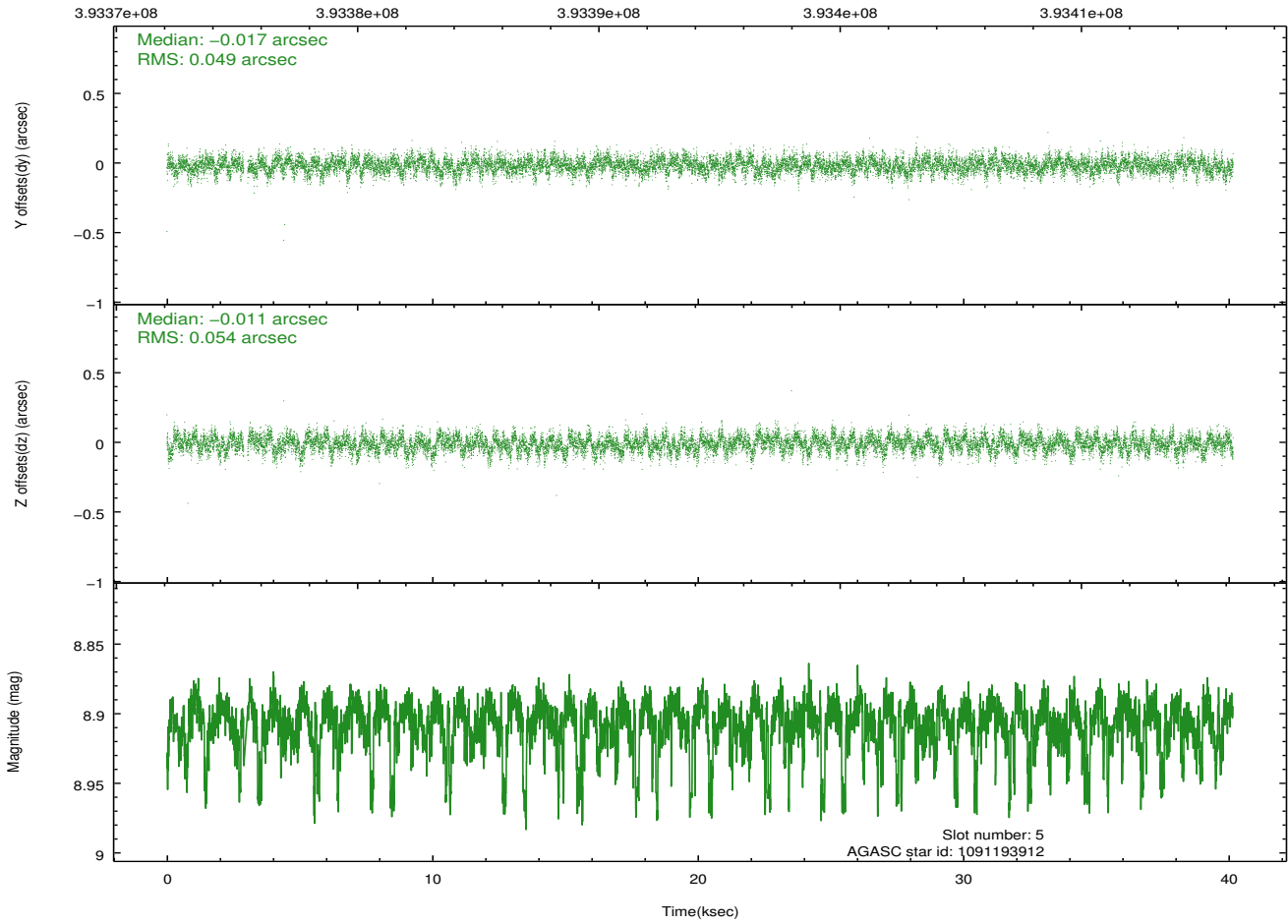
2.4.2 Slot 4



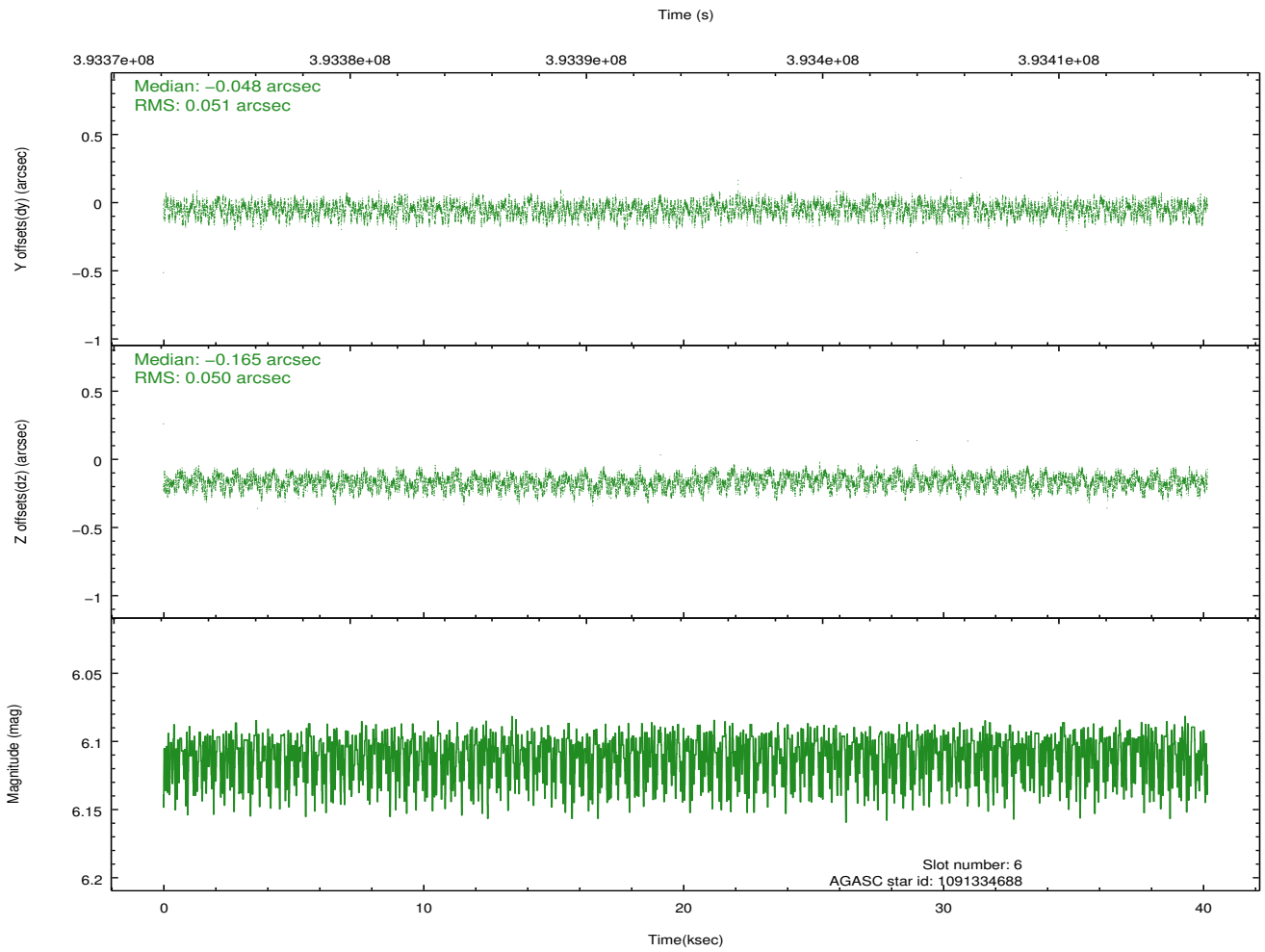
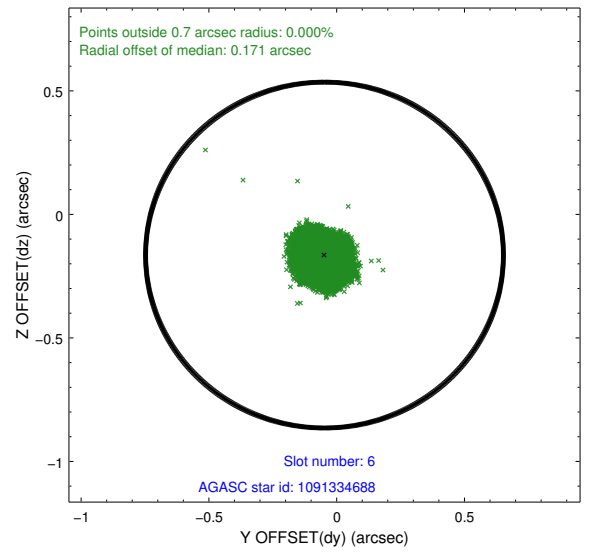
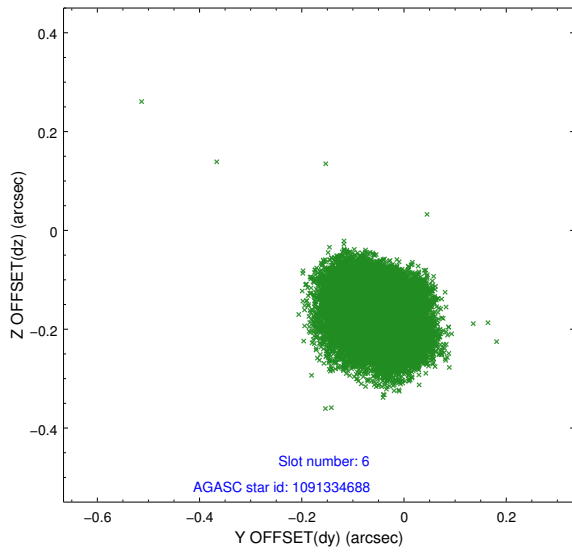
2.4.3 Slot 5



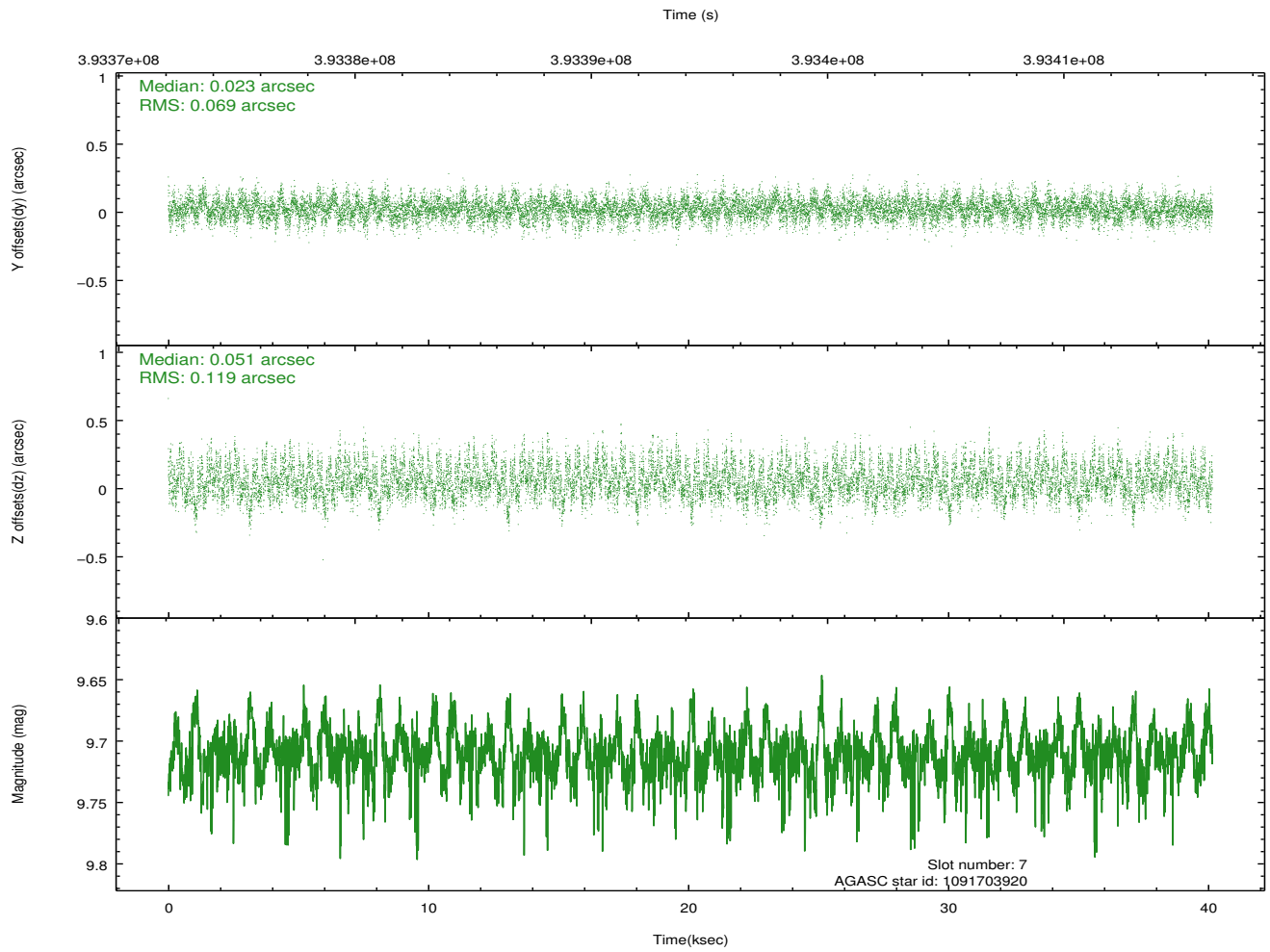
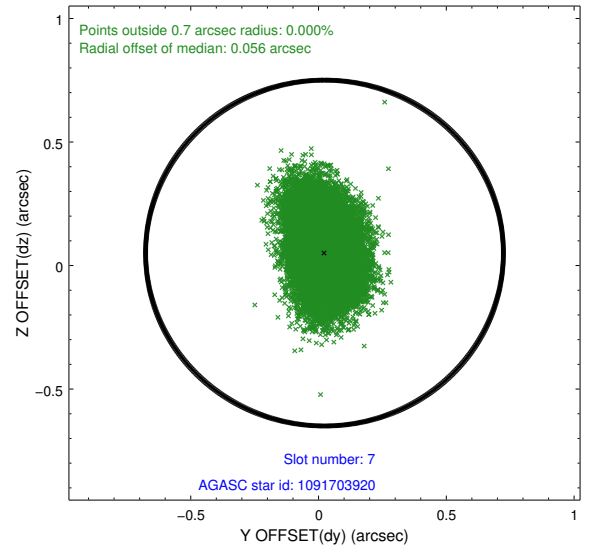
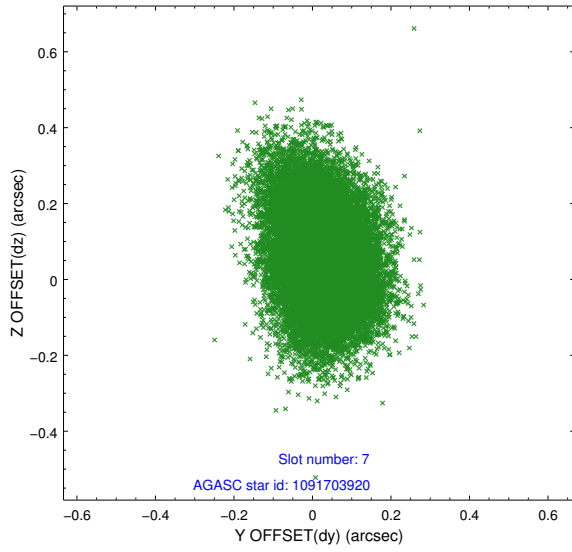
Time (s)



2.4.4 Slot 6

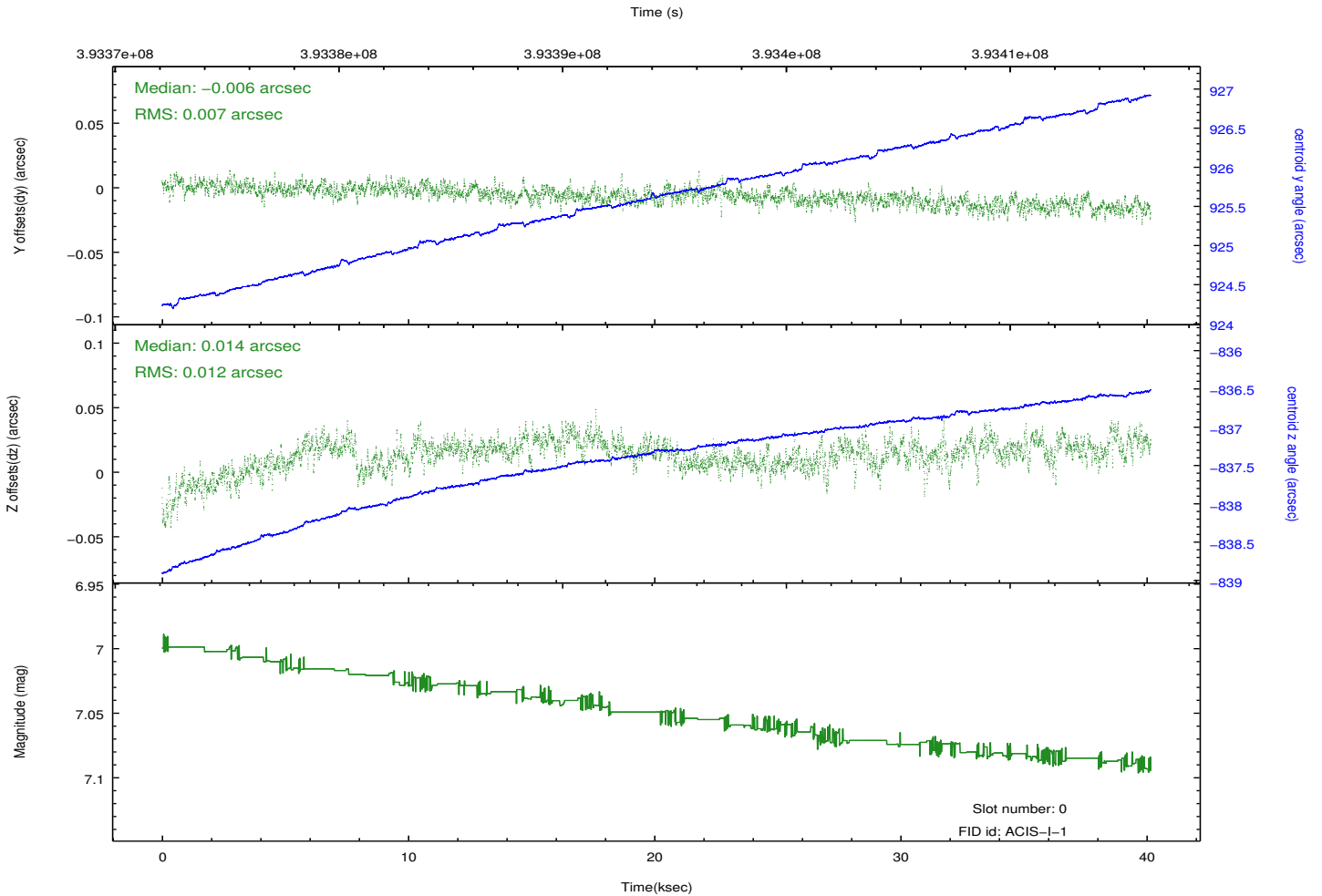
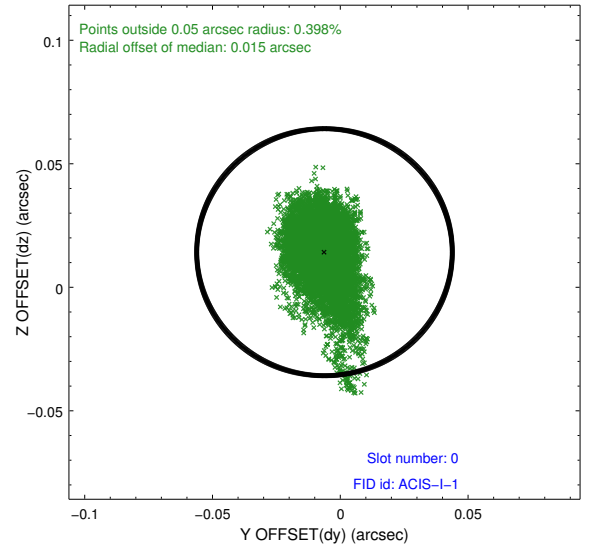
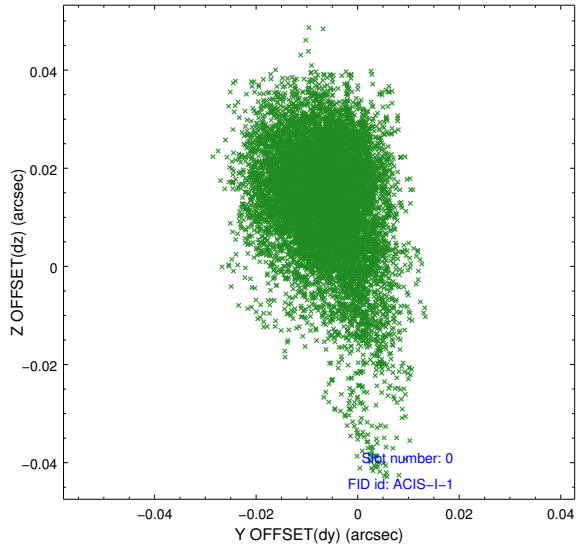


2.4.5 Slot 7

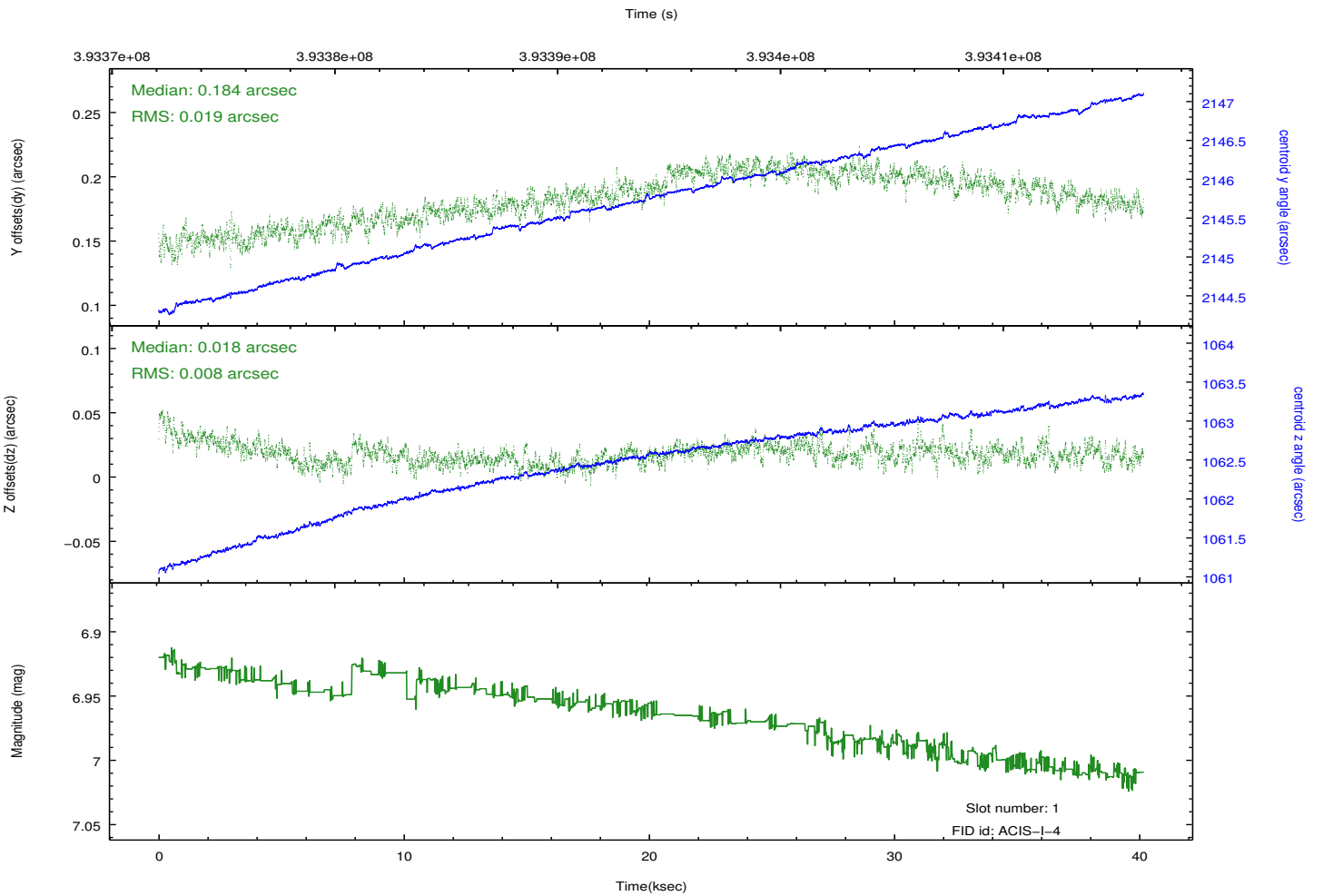
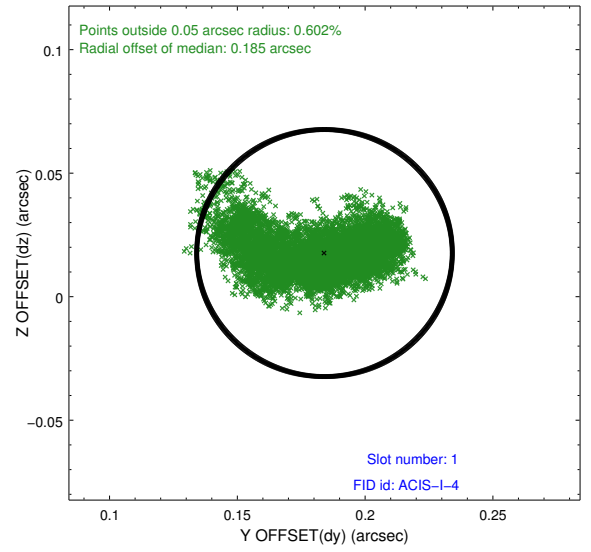
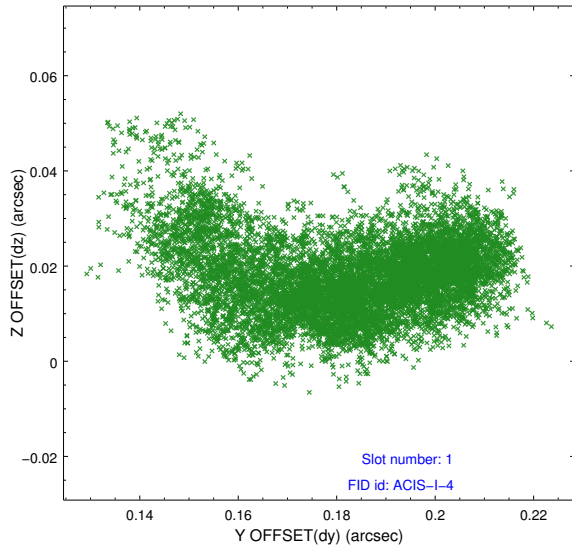


2.5 FID Slots

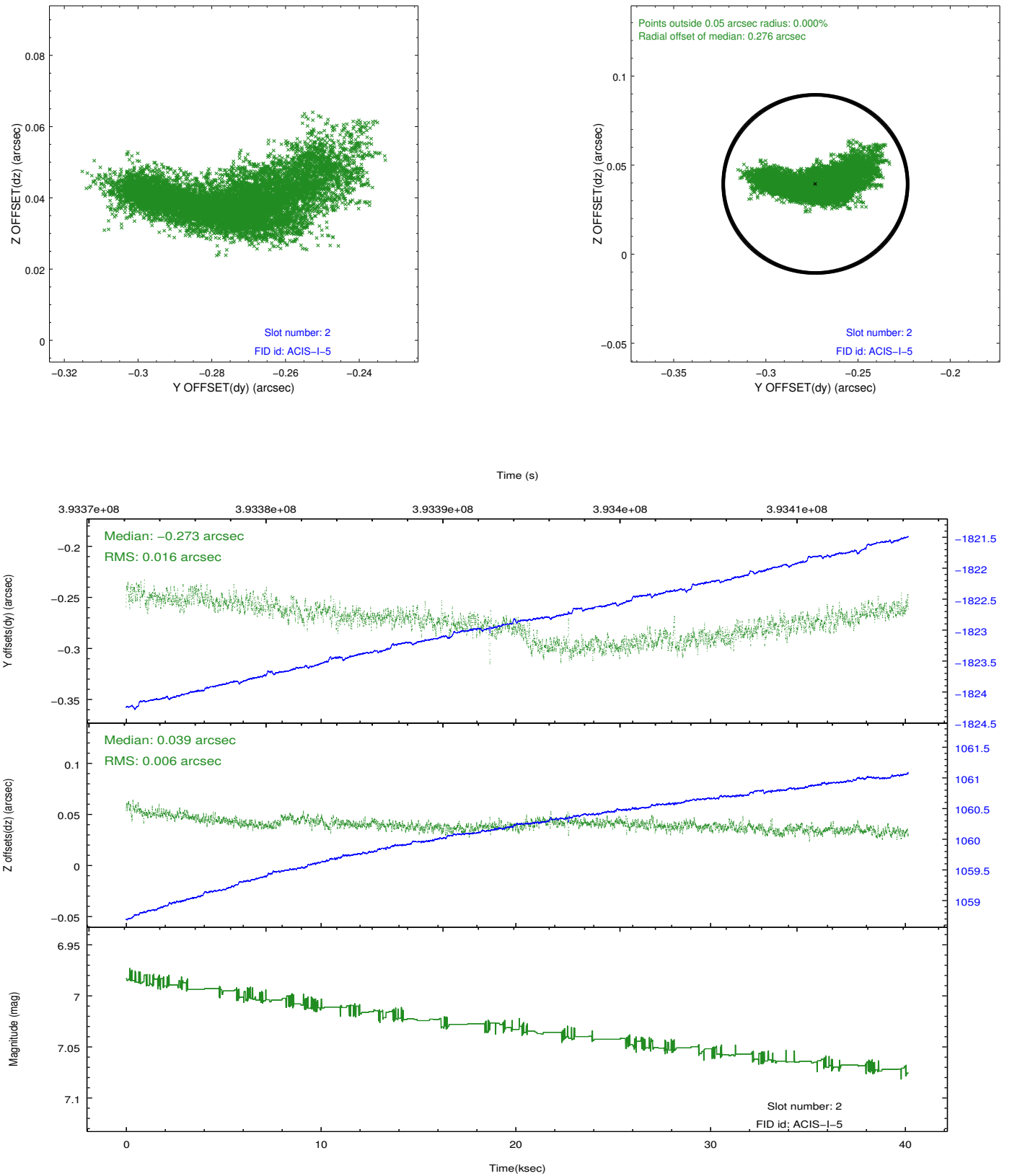
2.5.1 Slot 0



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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.059574924648

A.2 Comments