

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10732 - L2 Version 2
Chandra X-Ray Center

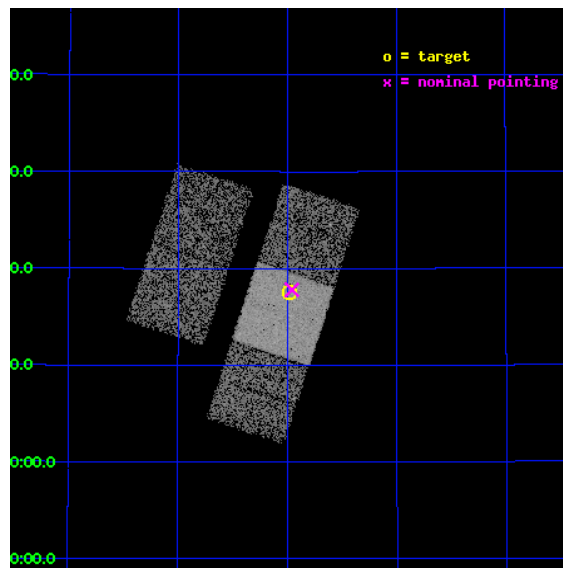
L2 Processing Date : May 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

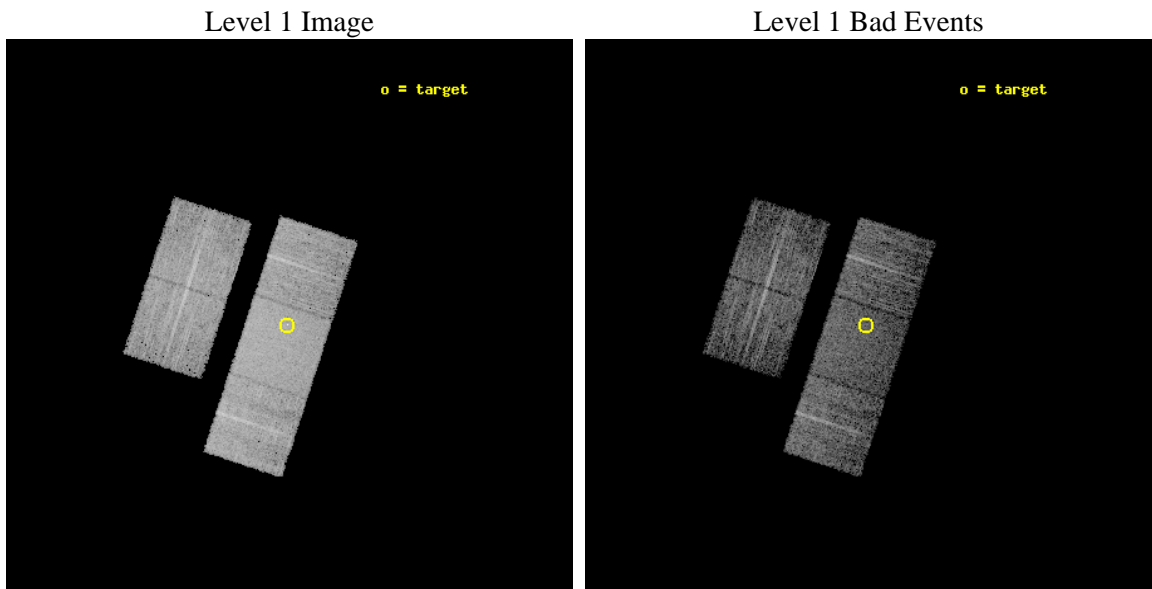
seq_num	701962	Sequence number
obs_id	10732	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J105158.74+401736.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.994583	Observer's specified target RA [deg]
dec_targ	40.293528	Observer's specified target Dec [deg]
ra_nom	162.98974449153	Nominal RA [deg]
dec_nom	40.29660726022	Nominal Dec [deg]
roll_nom	108.19042092484	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4138.5000318289	Sum of GTIs [s]
livetime	4084.4274821936	Livetime [s]
ontime2	4138.5000318289	Sum of GTIs [s]
ontime3	4138.5000318289	Sum of GTIs [s]
ontime6	4135.3590115905	Sum of GTIs [s]
ontime7	4138.5000318289	Sum of GTIs [s]
ontime8	4138.5000318289	Sum of GTIs [s]
l2events	42071	Number of level 2 events



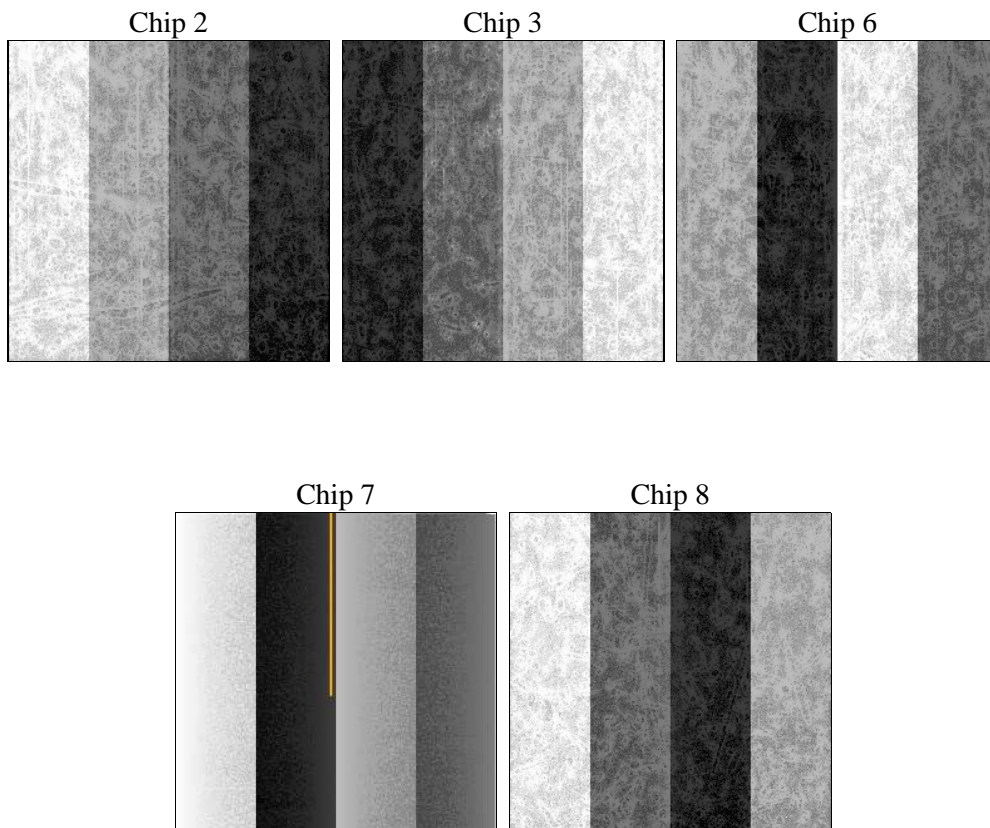
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4138.5000318289	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4138.5000318289	Sum of GTIs [s]
date	2012-05-29T02:35:36	Date and time of file creation	ontime3	4138.5000318289	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4135.3590115905	Sum of GTIs [s]
			ontime7	4138.5000318289	Sum of GTIs [s]
			ontime8	4138.5000318289	Sum of GTIs [s]
			l1events	290991	Number of level 1 events

2.1.4 Events

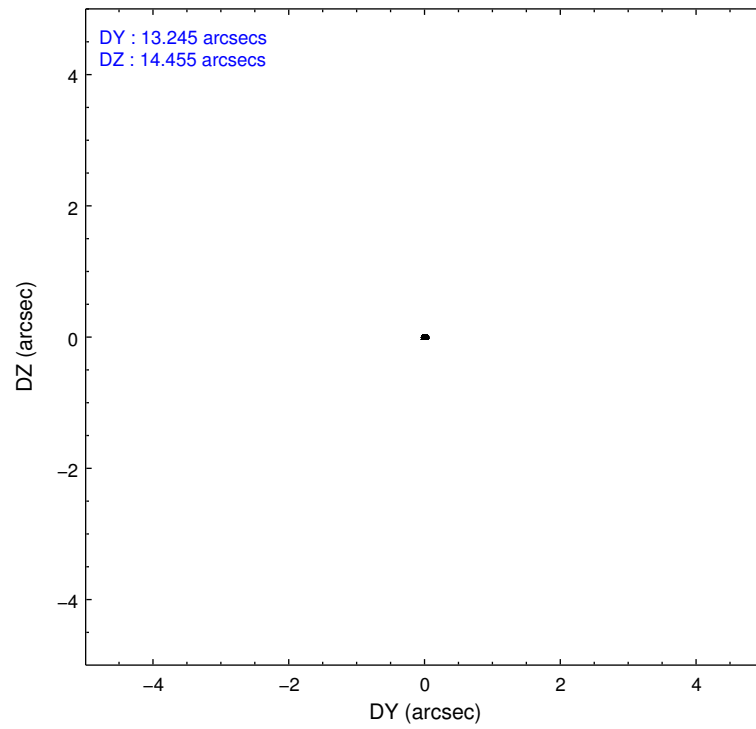
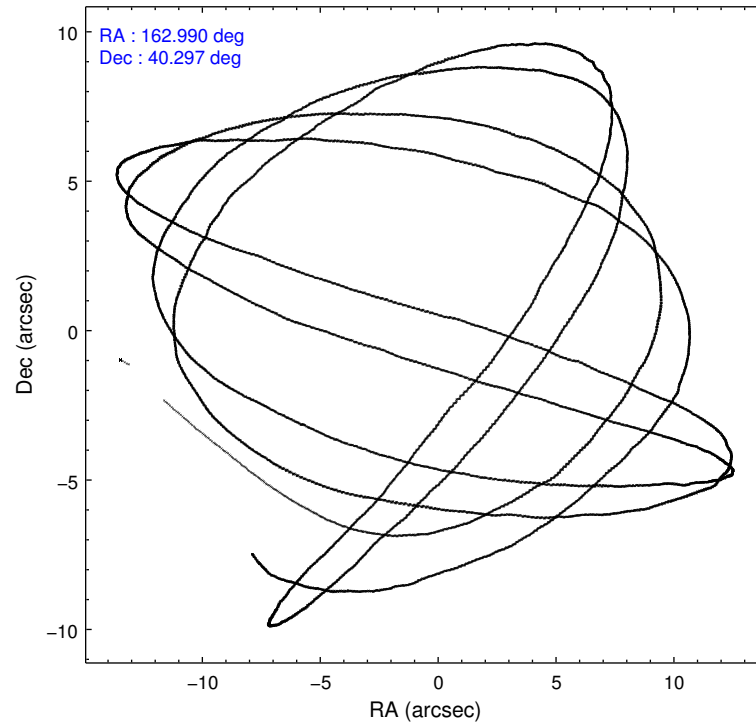
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	51302	49739	52472	72238	65240
rejected events	46532	44783	47324	47780	53542
rejected %	90%	90%	90%	66%	82%

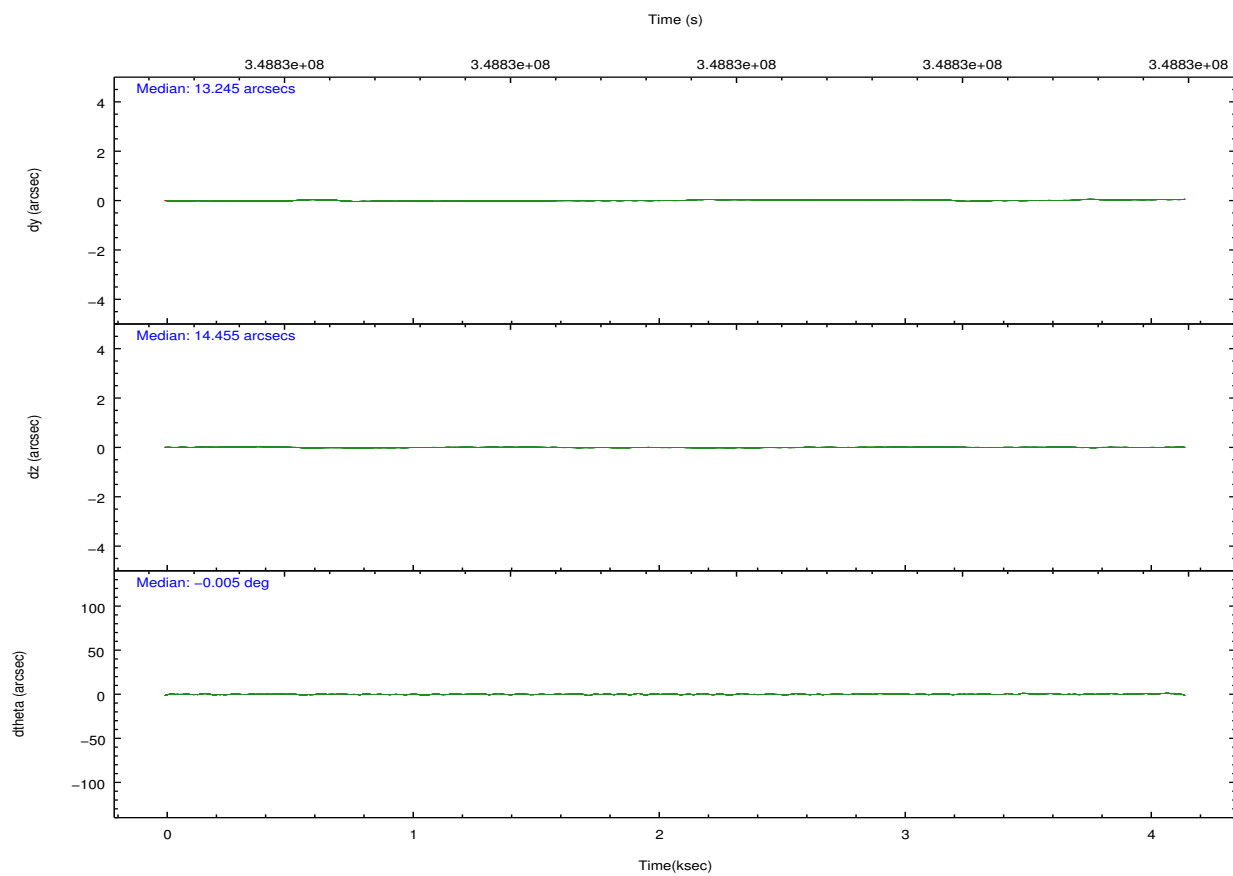
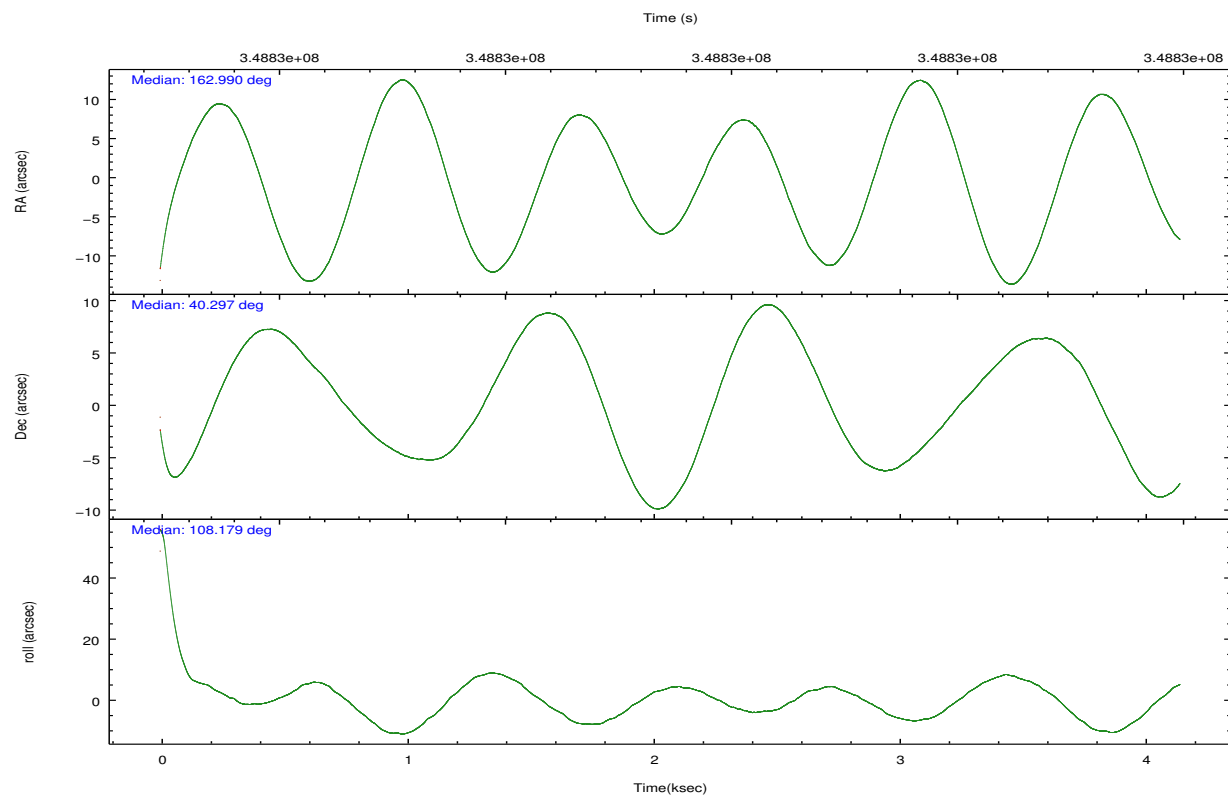
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2552	2740	2469	2630	4729
	4%	5%	4%	3%	7%
grade 1 events	33	31	32	77	45
	0%	0%	0%	0%	0%
grade 2 events	1272	1187	1396	6238	3424
	2%	2%	2%	8%	5%
grade 3 events	575	595	579	2533	1436
	1%	1%	1%	3%	2%
grade 4 events	581	605	595	2479	1315
	1%	1%	1%	3%	2%
grade 5 events	2145	2458	2604	6797	3358
	4%	4%	4%	9%	5%
grade 6 events	1066	1082	1356	16353	3841
	2%	2%	2%	22%	5%
grade 7 events	43078	41041	43441	35131	47092
	83%	82%	82%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	163.016765	162.9897444915276	CCD I2 on	O1	Y
[deg] Pointing Dec	40.278697	40.29660726022026	CCD I3 on	O2	Y
[deg] Pointing Roll	108.016197	108.1904209248408	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	348825802.184000	348824262.88024	CCD S5 on	N	N
Observation start date	2009-01-20T08:02:16	2009-01-20T07:37:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	348829802.184000	348830310.38054	On-chip summing requested	N	N
Observation end date	2009-01-20T09:08:56	2009-01-20T09:18:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



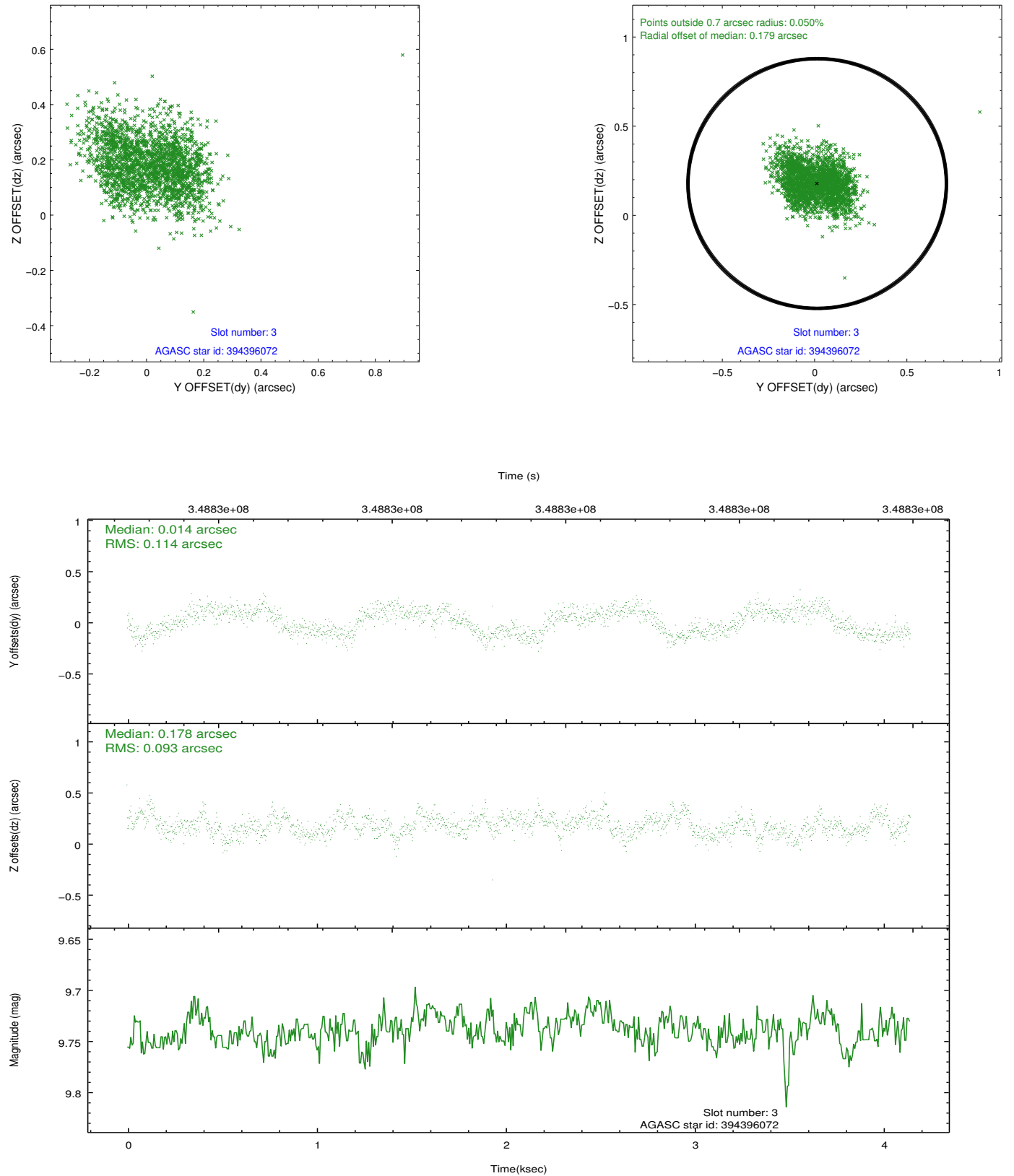


Slot Statistics

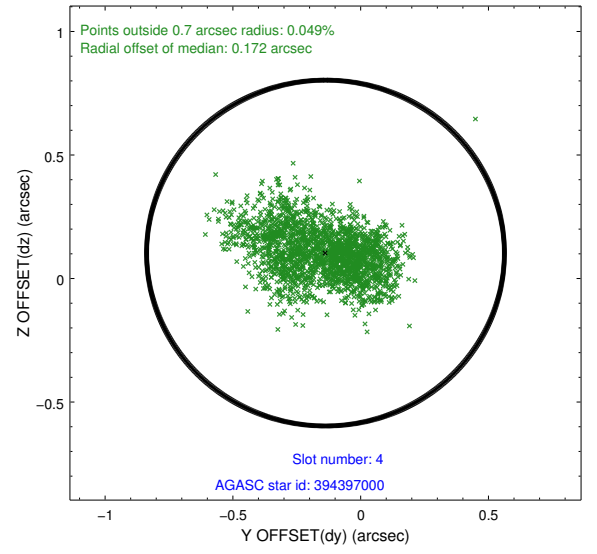
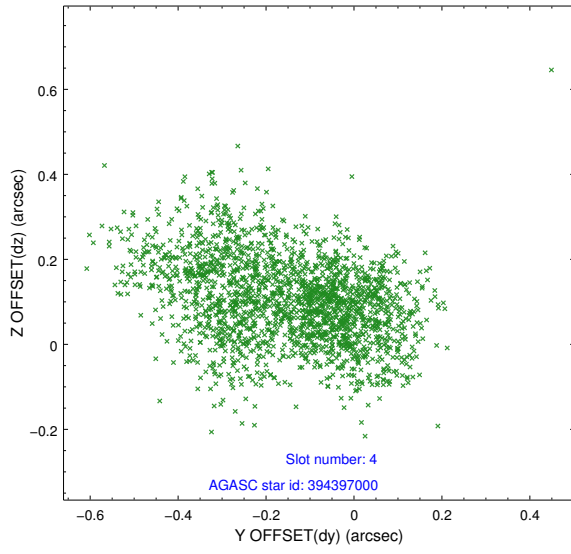
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	1012	-0.048	-0.035	0.007	0.011	0.000000	0.000000	-766.20	-1735.86
1	FID	ACIS-S-4	7.03	1012	0.178	0.033	0.005	0.009	0.000000	0.000000	2146.60	171.17
2	FID	ACIS-S-5	7.07	1012	-0.160	0.011	0.006	0.011	0.000000	0.000000	-1817.25	166.47
3	GUIDE	394396072	9.74	2020	0.014	0.178	0.157	0.243	163.516779	40.631421	789.47	-1692.61
4	GUIDE	394397000	9.77	2021	-0.138	0.103	0.205	0.327	163.283209	40.968637	2140.00	-1457.58
5	GUIDE	394400312	9.69	2020	0.033	-0.105	0.148	0.227	162.985263	40.109504	-550.89	270.67
6	GUIDE	394400616	7.00	2018	-0.110	0.117	0.079	0.125	163.177085	40.171160	-504.29	-298.70
7	GUIDE	394408568	9.83	2013	0.213	-0.305	0.125	0.197	162.411894	39.803570	-1103.86	2117.54

2.4 Star Slots

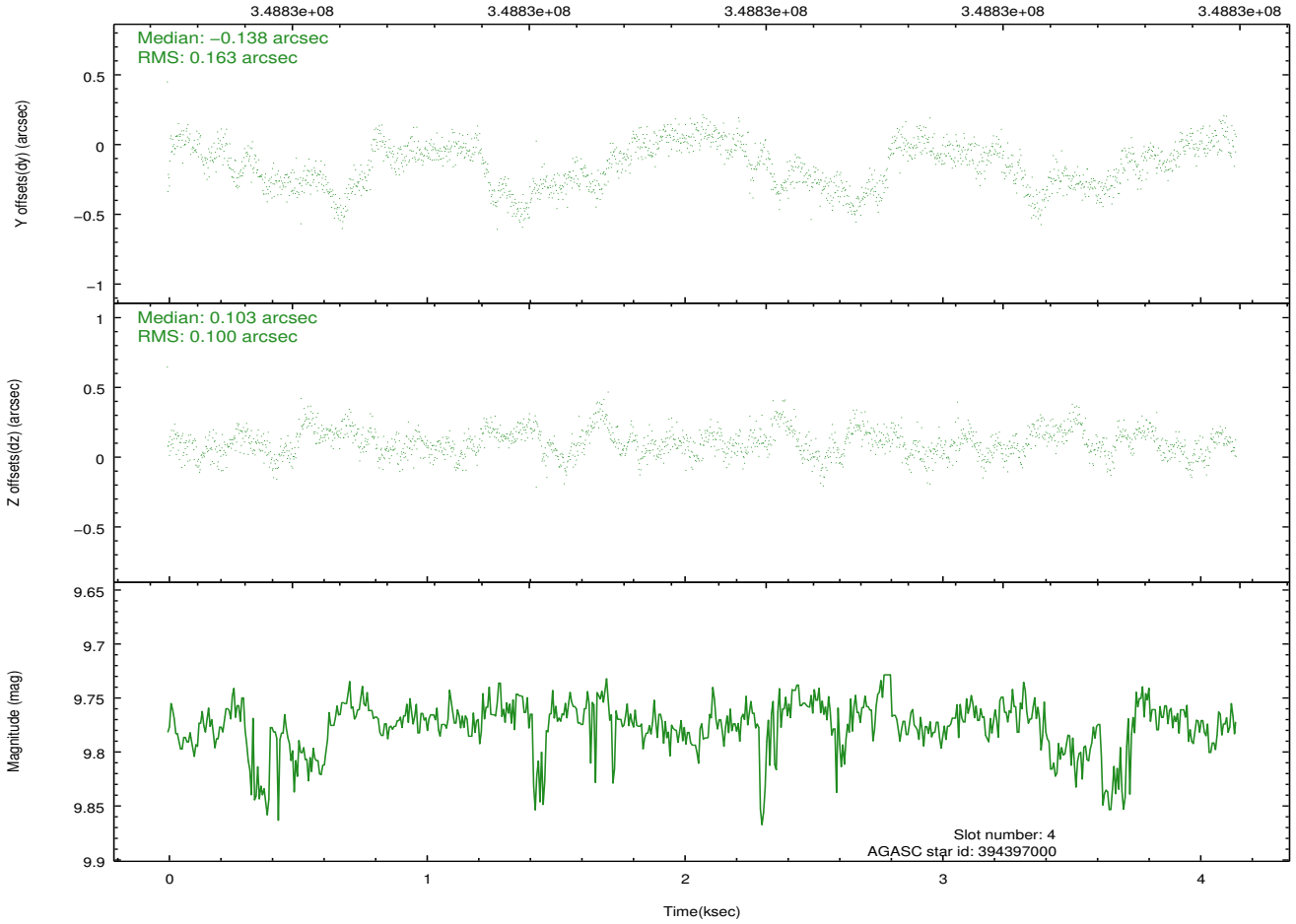
2.4.1 Slot 3



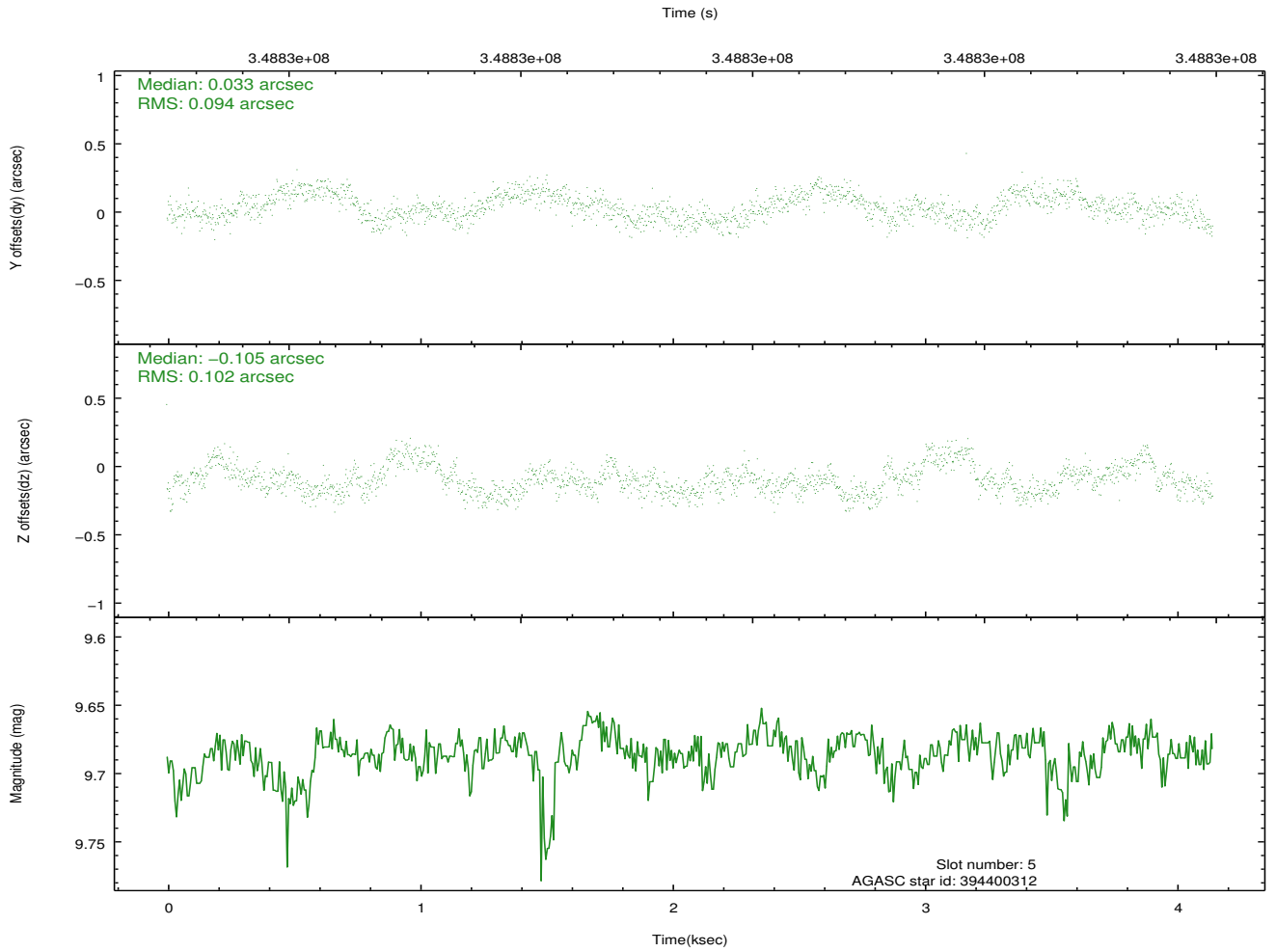
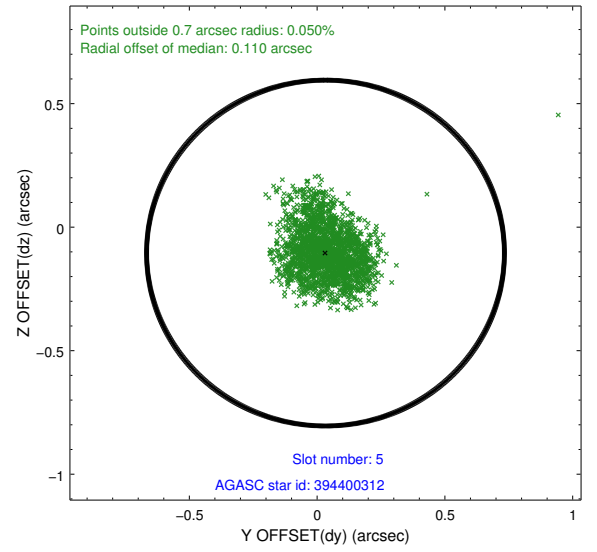
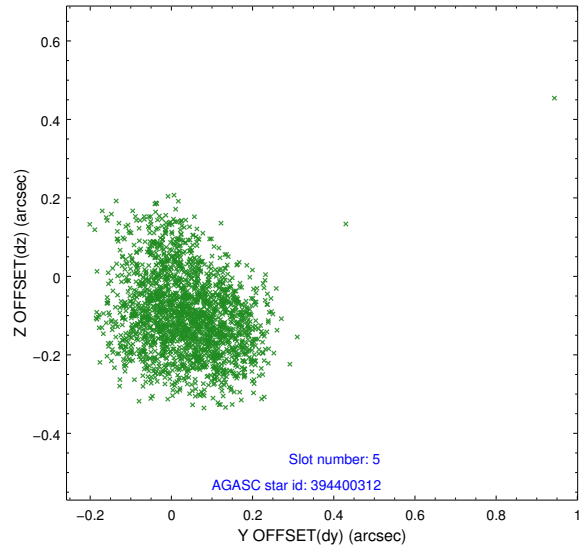
2.4.2 Slot 4



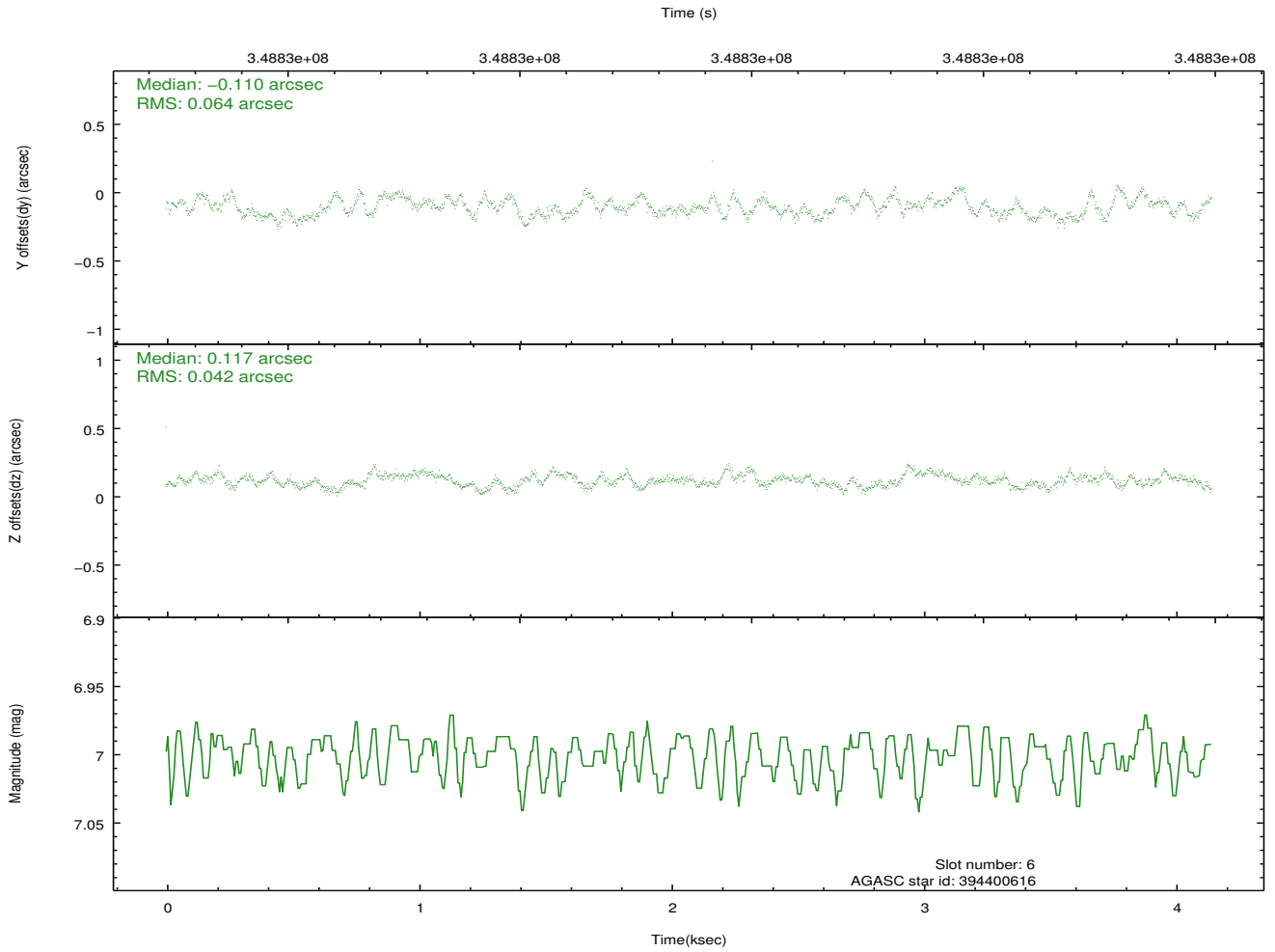
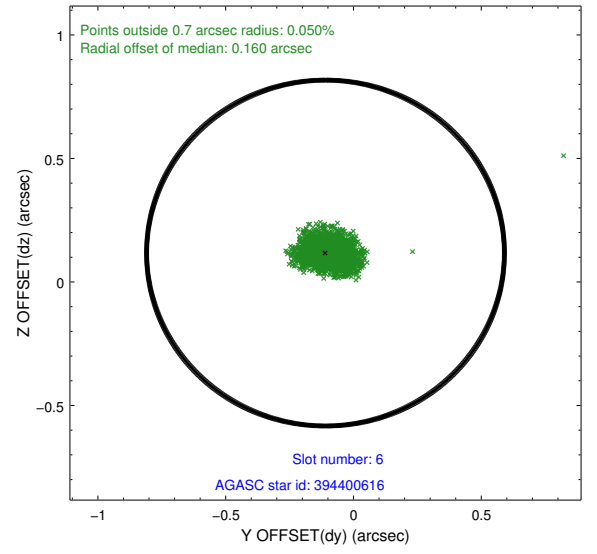
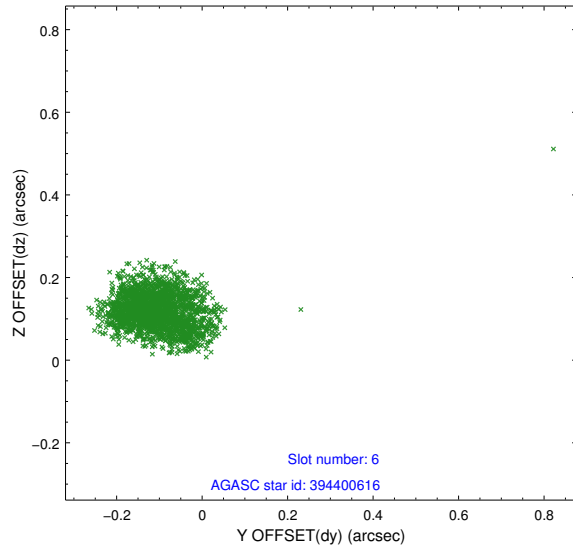
Time (s)



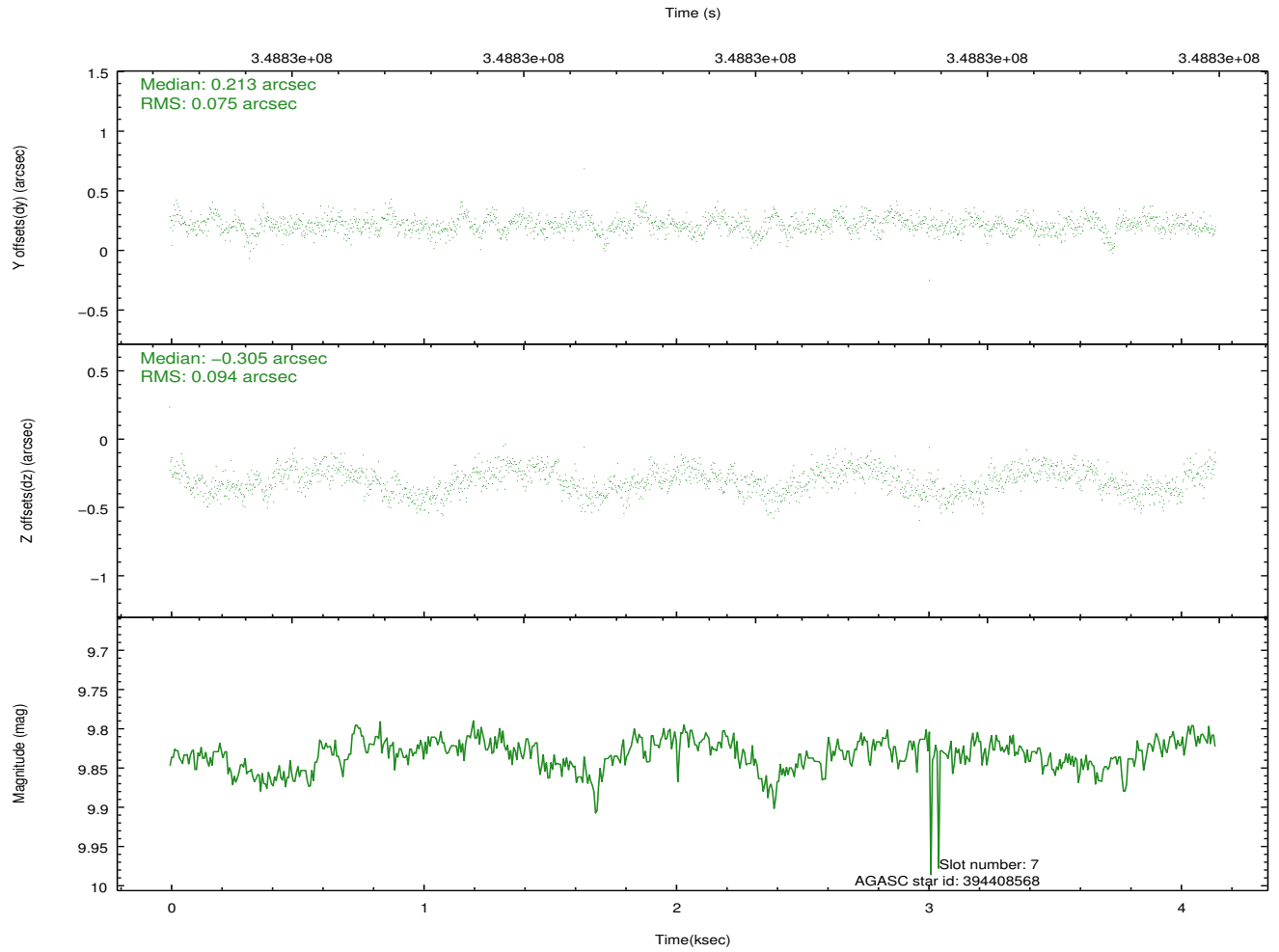
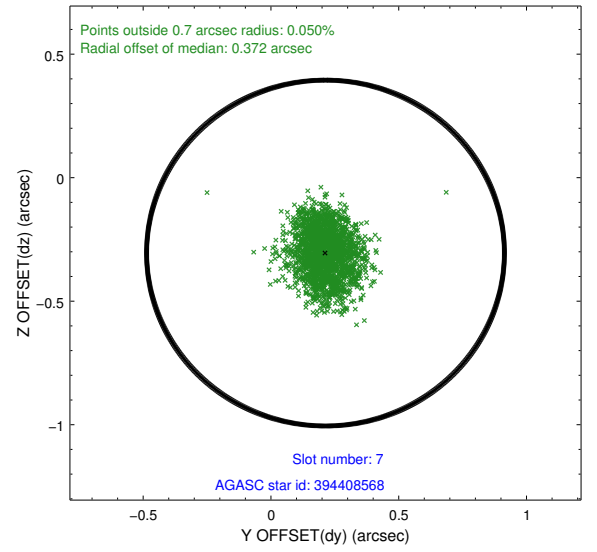
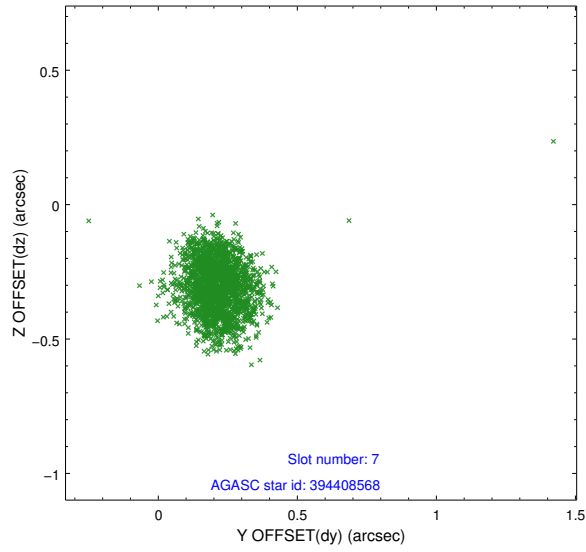
2.4.3 Slot 5



2.4.4 Slot 6

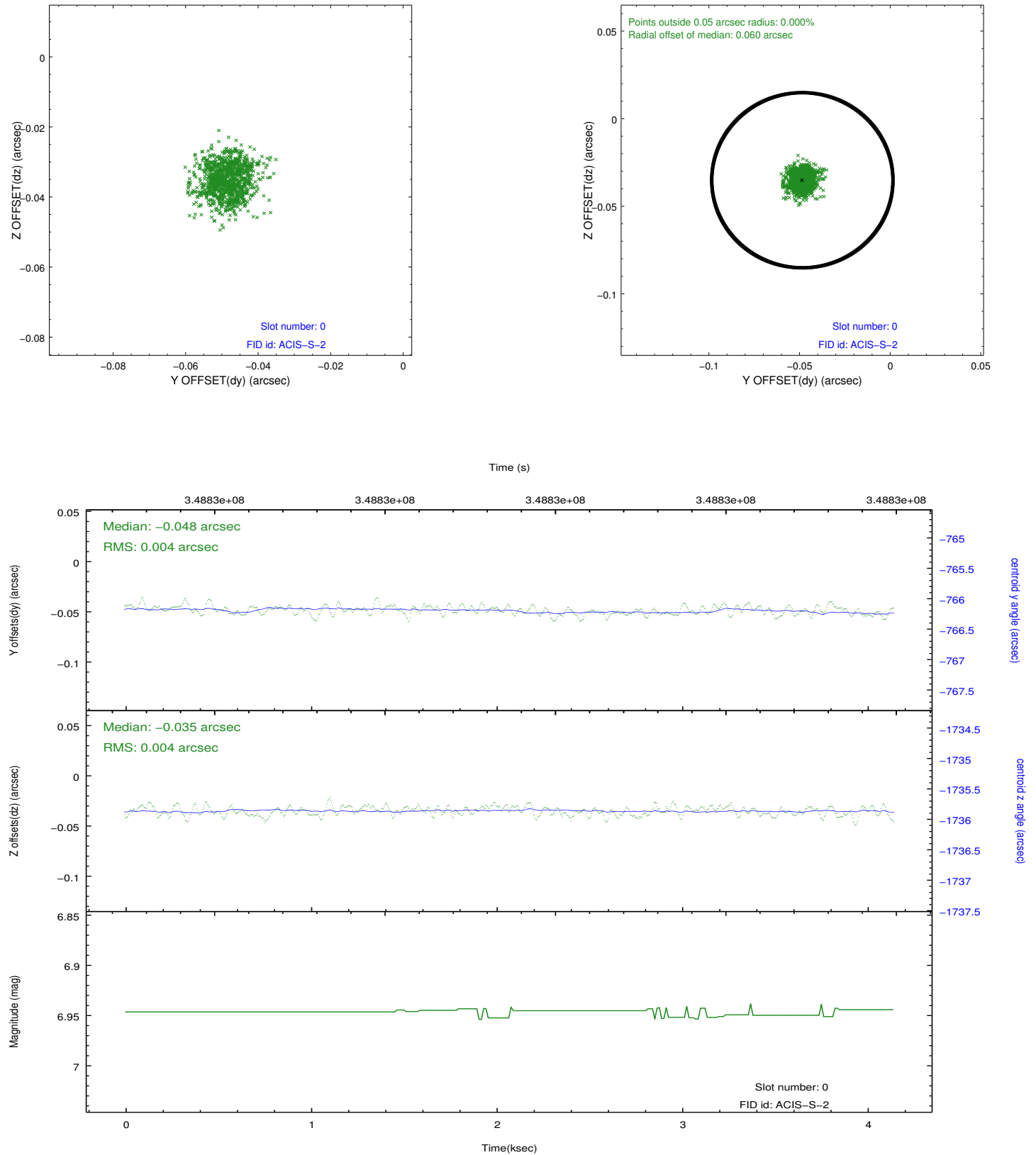


2.4.5 Slot 7

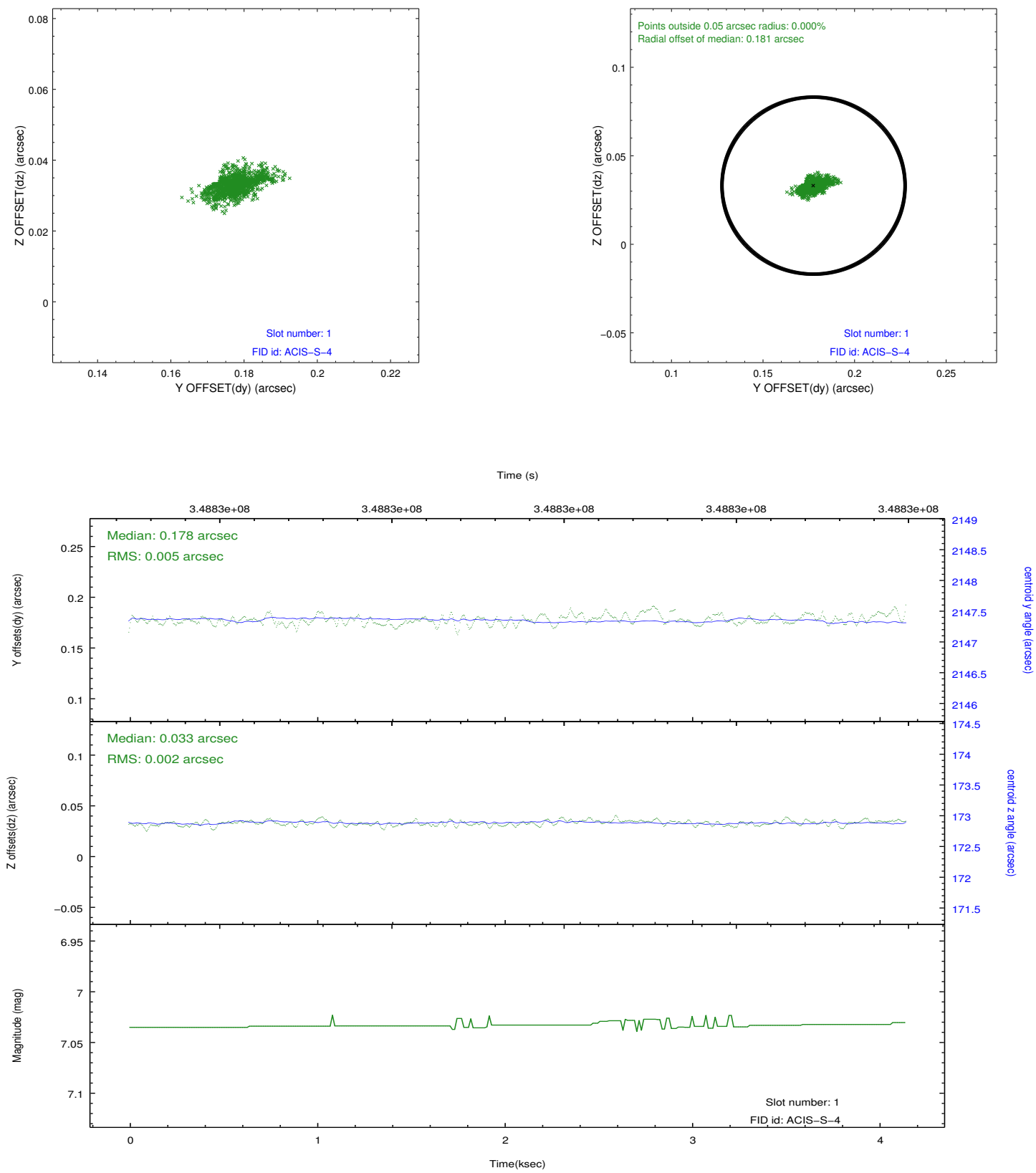


2.5 FID Slots

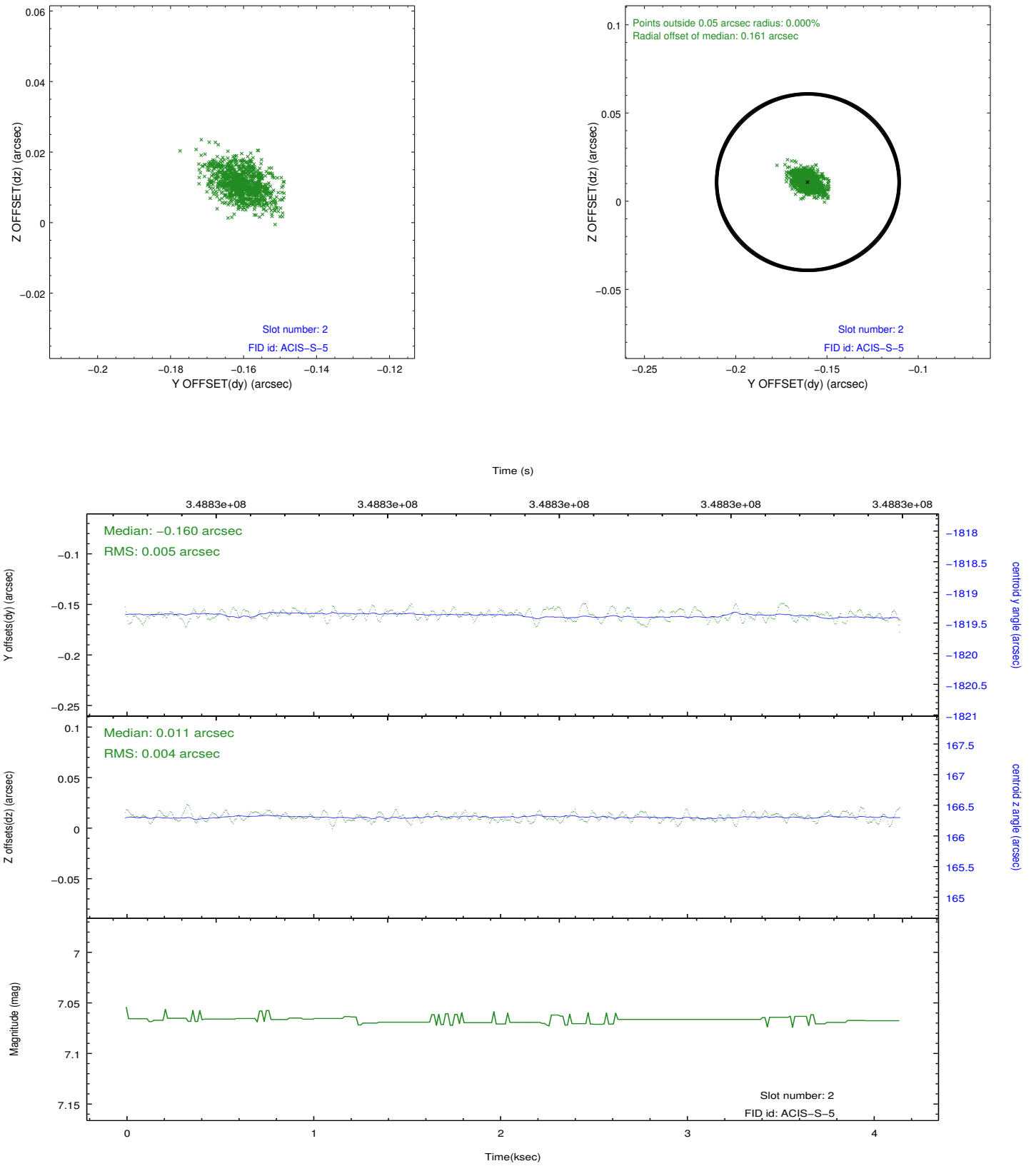
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.13850003

A.2 Comments