

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10736 - L2 Version 2
Chandra X-Ray Center

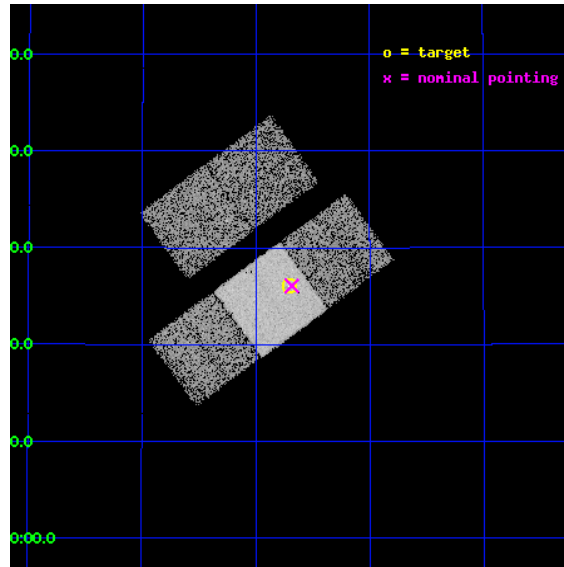
L2 Processing Date : May 30 2012

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1 Front

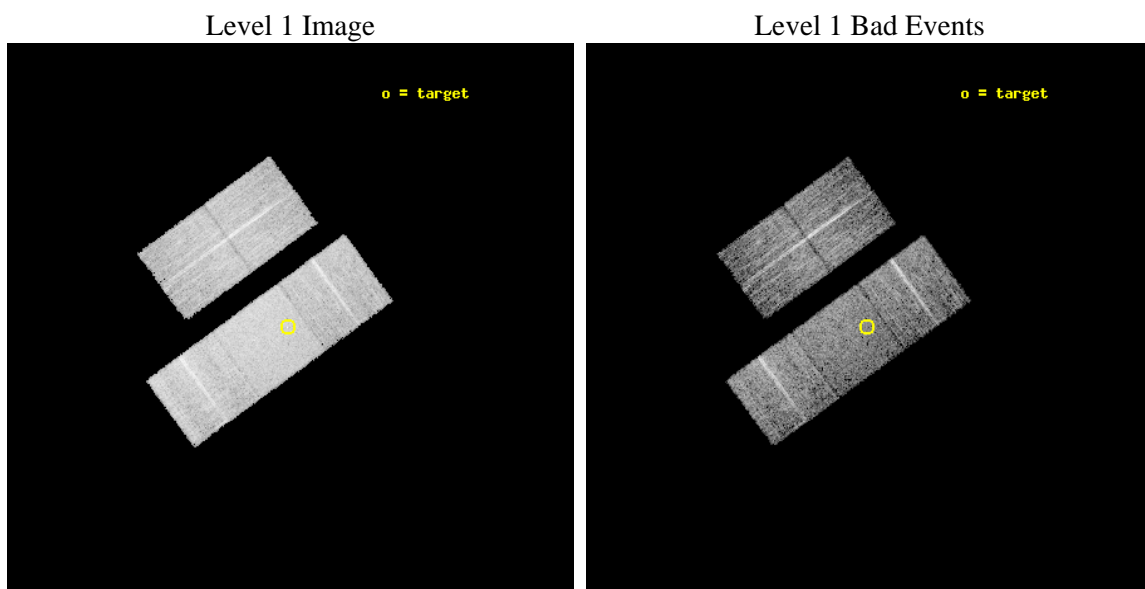
seq_num	701966	Sequence number
obs_id	10736	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J091342.48+372603.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	138.427083	Observer's specified target RA [deg]
dec_targ	37.43425	Observer's specified target Dec [deg]
ra_nom	138.42088366641	Nominal RA [deg]
dec_nom	37.434620030811	Nominal Dec [deg]
roll_nom	143.79825380892	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5127.4000394344	Sum of GTIs [s]
livetime	5060.4067831822	Livetime [s]
ontime2	5124.2590889931	Sum of GTIs [s]
ontime3	5127.4000394344	Sum of GTIs [s]
ontime6	5124.2590790391	Sum of GTIs [s]
ontime7	5127.4000394344	Sum of GTIs [s]
ontime8	5127.4000394344	Sum of GTIs [s]
l2events	53633	Number of level 2 events



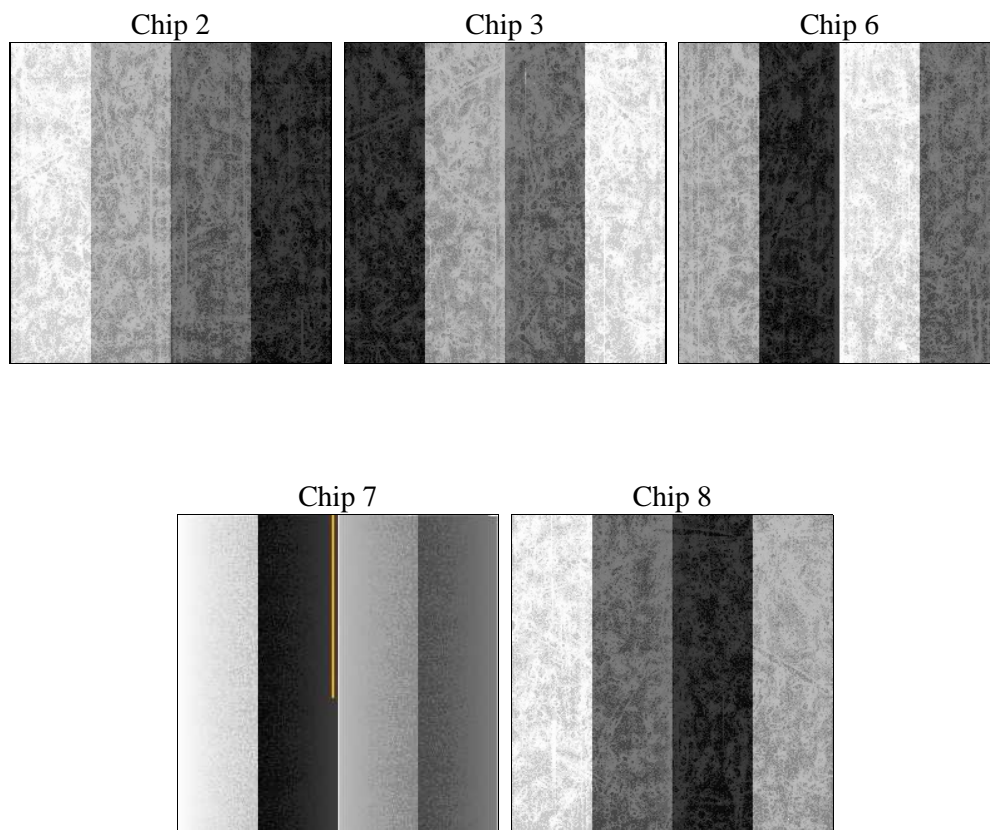
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5127.4000394344	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5124.2590889931	Sum of GTIs [s]
date	2012-05-30T05:27:34	Date and time of file creation	ontime3	5127.4000394344	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5124.2590790391	Sum of GTIs [s]
			ontime7	5127.4000394344	Sum of GTIs [s]
			ontime8	5127.4000394344	Sum of GTIs [s]
			l1events	340359	Number of level 1 events

2.1.4 Events

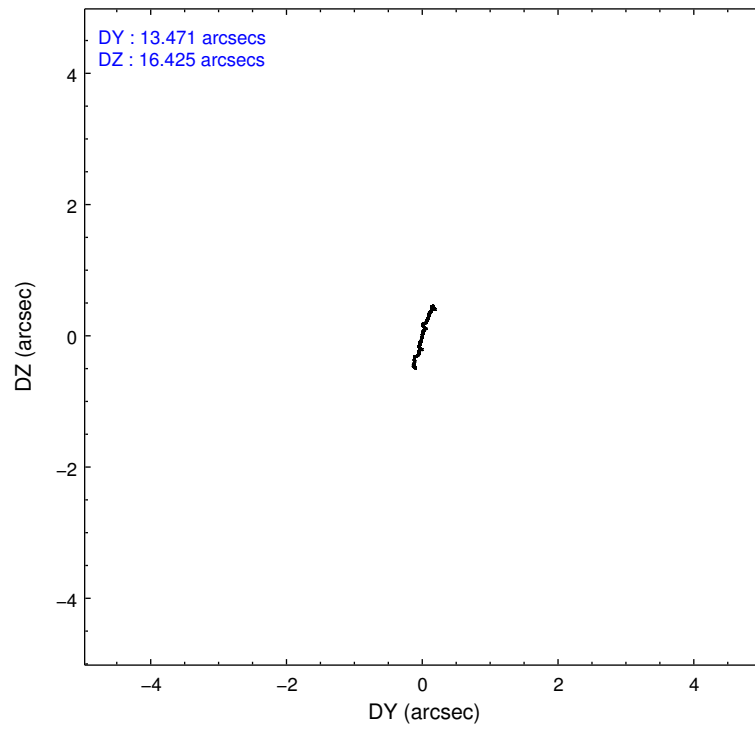
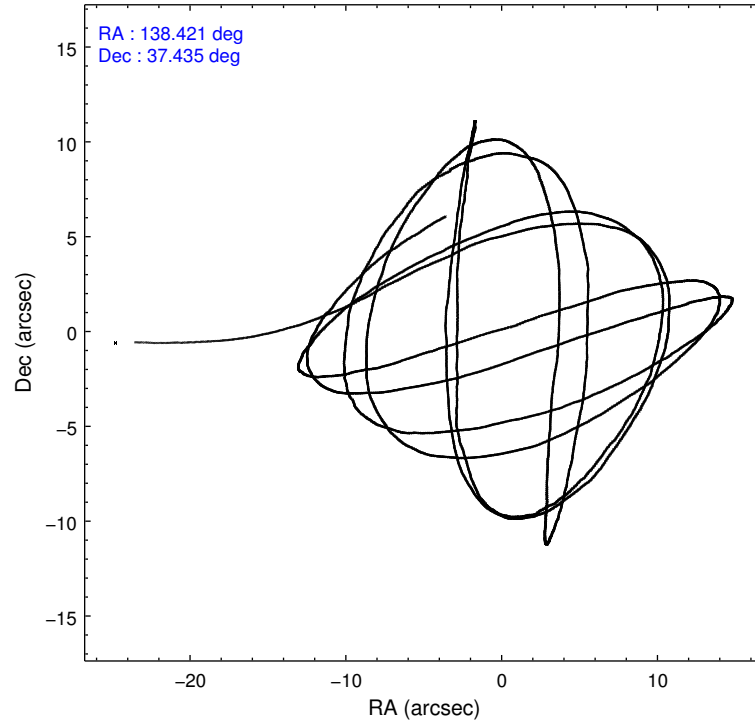
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	59455	59378	59740	83963	77823
rejected events	53088	52920	53291	53118	62204
rejected %	89%	89%	89%	63%	79%

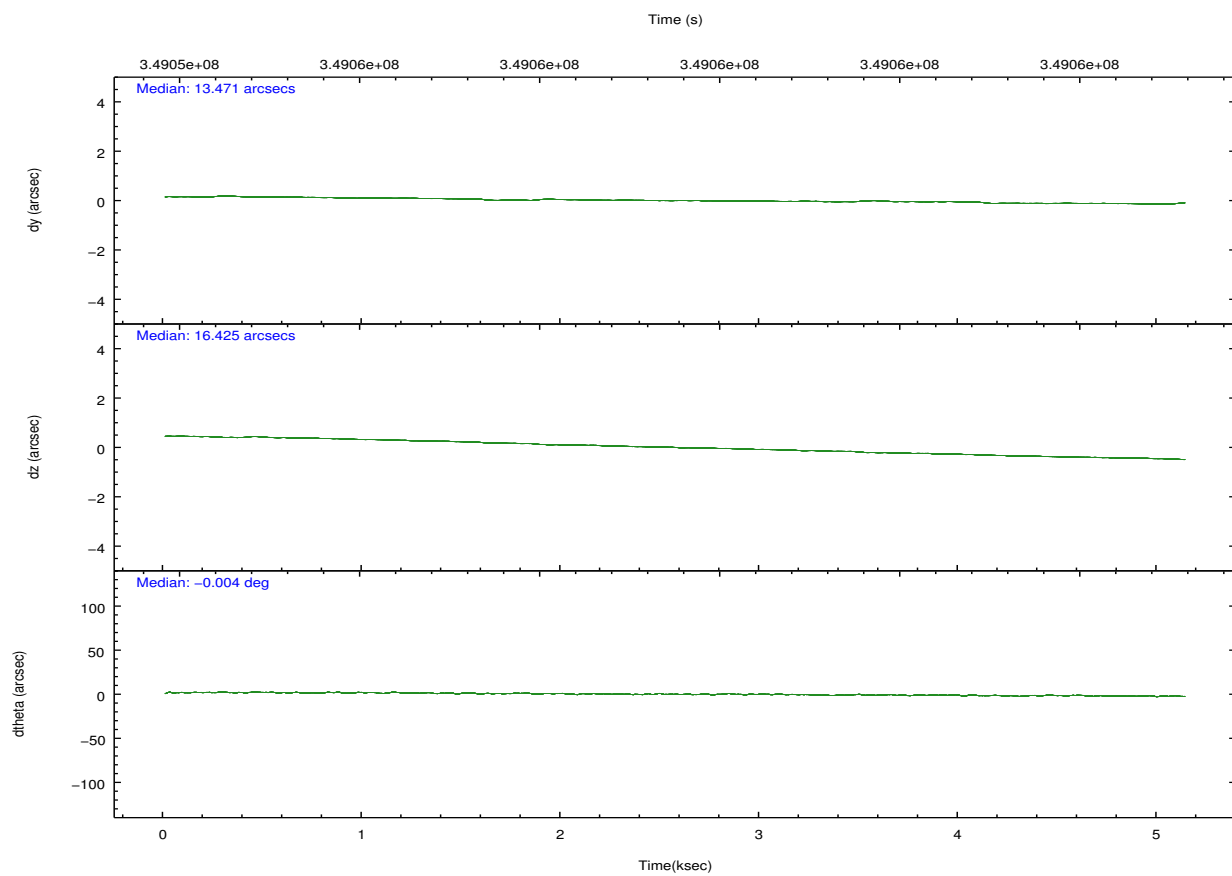
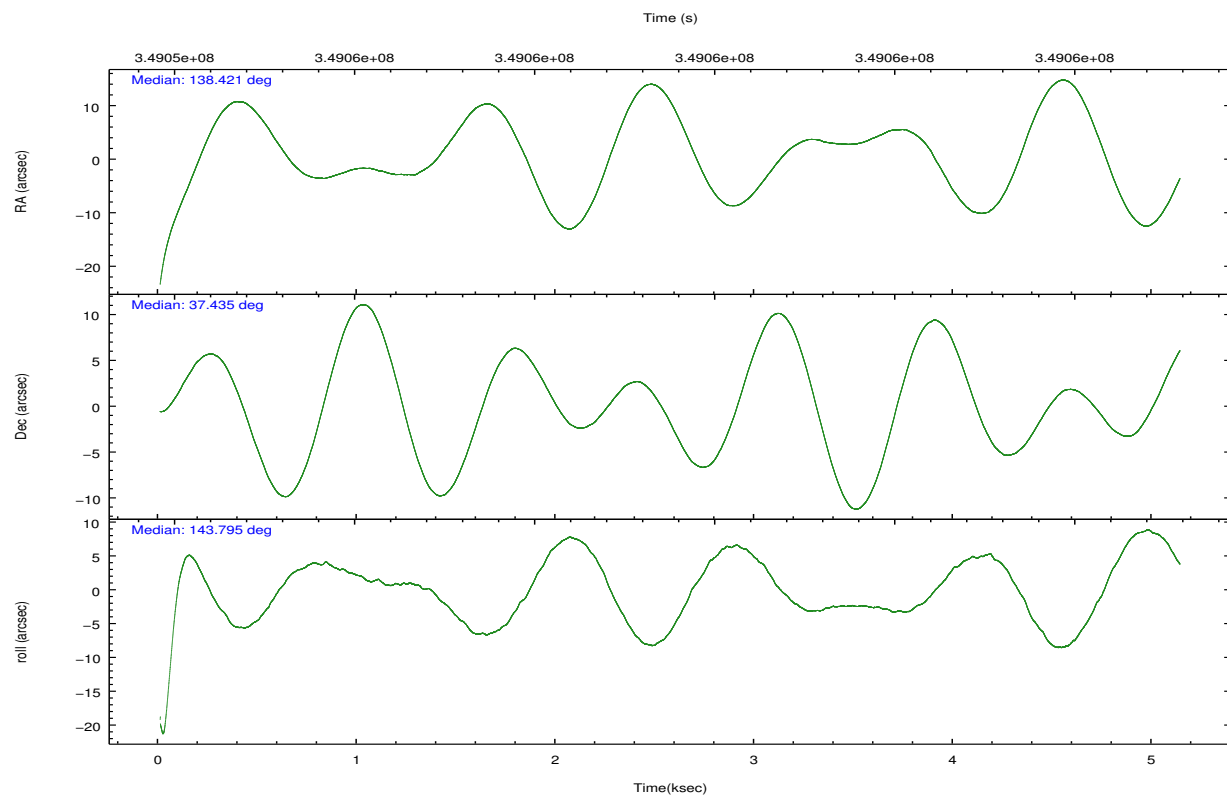
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3128	3062	2758	2933	5607
	5%	5%	4%	3%	7%
grade 1 events	39	48	34	89	57
	0%	0%	0%	0%	0%
grade 2 events	1548	1540	1656	7208	3998
	2%	2%	2%	8%	5%
grade 3 events	646	707	699	2969	1788
	1%	1%	1%	3%	2%
grade 4 events	637	666	691	2927	1711
	1%	1%	1%	3%	2%
grade 5 events	2411	2845	2889	7846	3871
	4%	4%	4%	9%	4%
grade 6 events	1262	1305	1454	18789	4453
	2%	2%	2%	22%	5%
grade 7 events	49784	49205	49559	41202	56338
	83%	82%	82%	49%	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	138.455268	138.4208836664087	CCD I2 on	O1	Y
[deg] Pointing Dec	37.432042	37.43462003081086	CCD I3 on	O2	Y
[deg] Pointing Roll	143.620806	143.798253808919	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)	349054323.184000	349053011.11655	CCD S5 on	N	N
Observation start date	2009-01-22T23:30:57	2009-01-22T23:10:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	349059323.184000	349059846.84189	On-chip summing requested	N	N
Observation end date	2009-01-23T00:54:17	2009-01-23T01:04:06	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



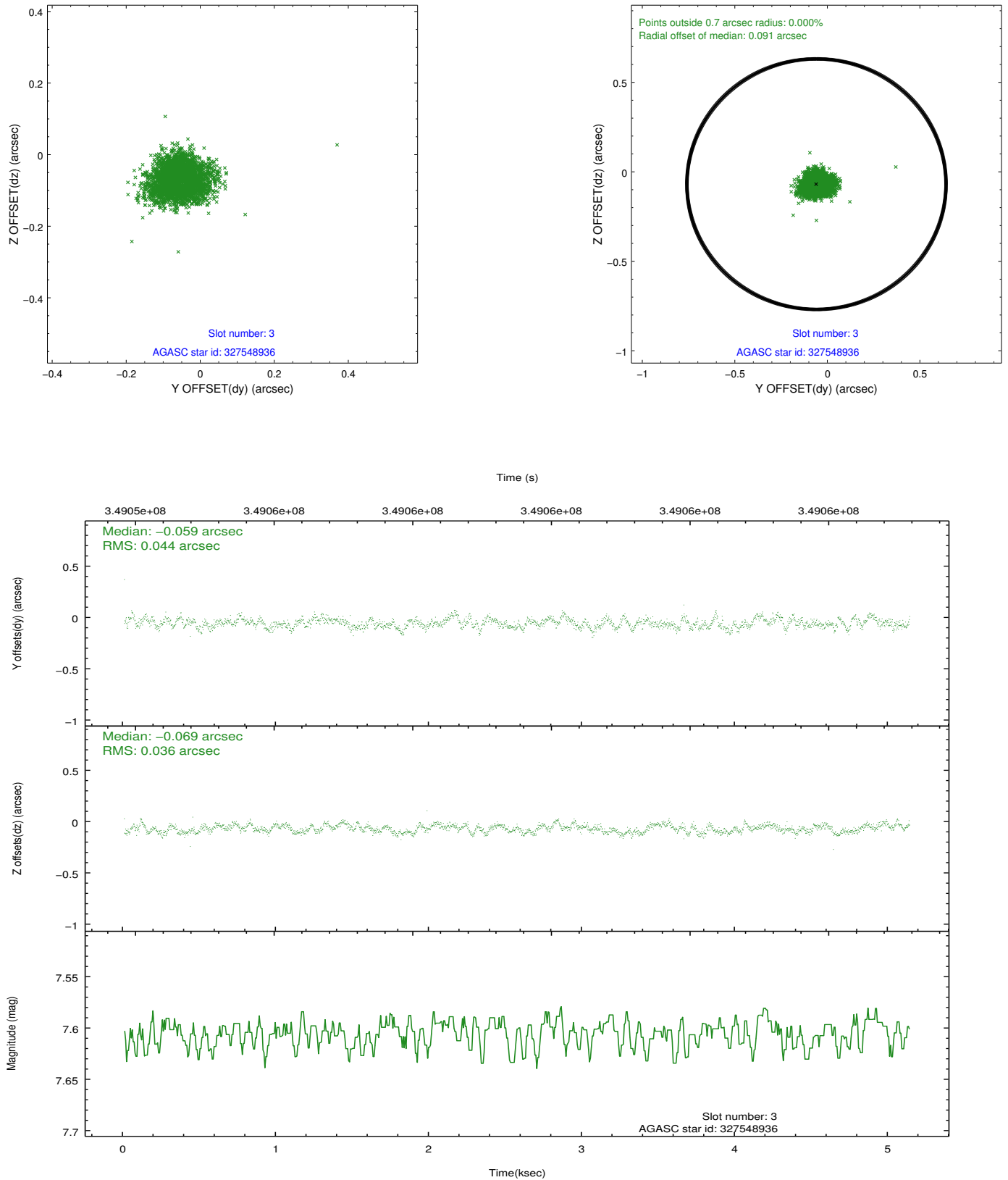


Slot Statistics

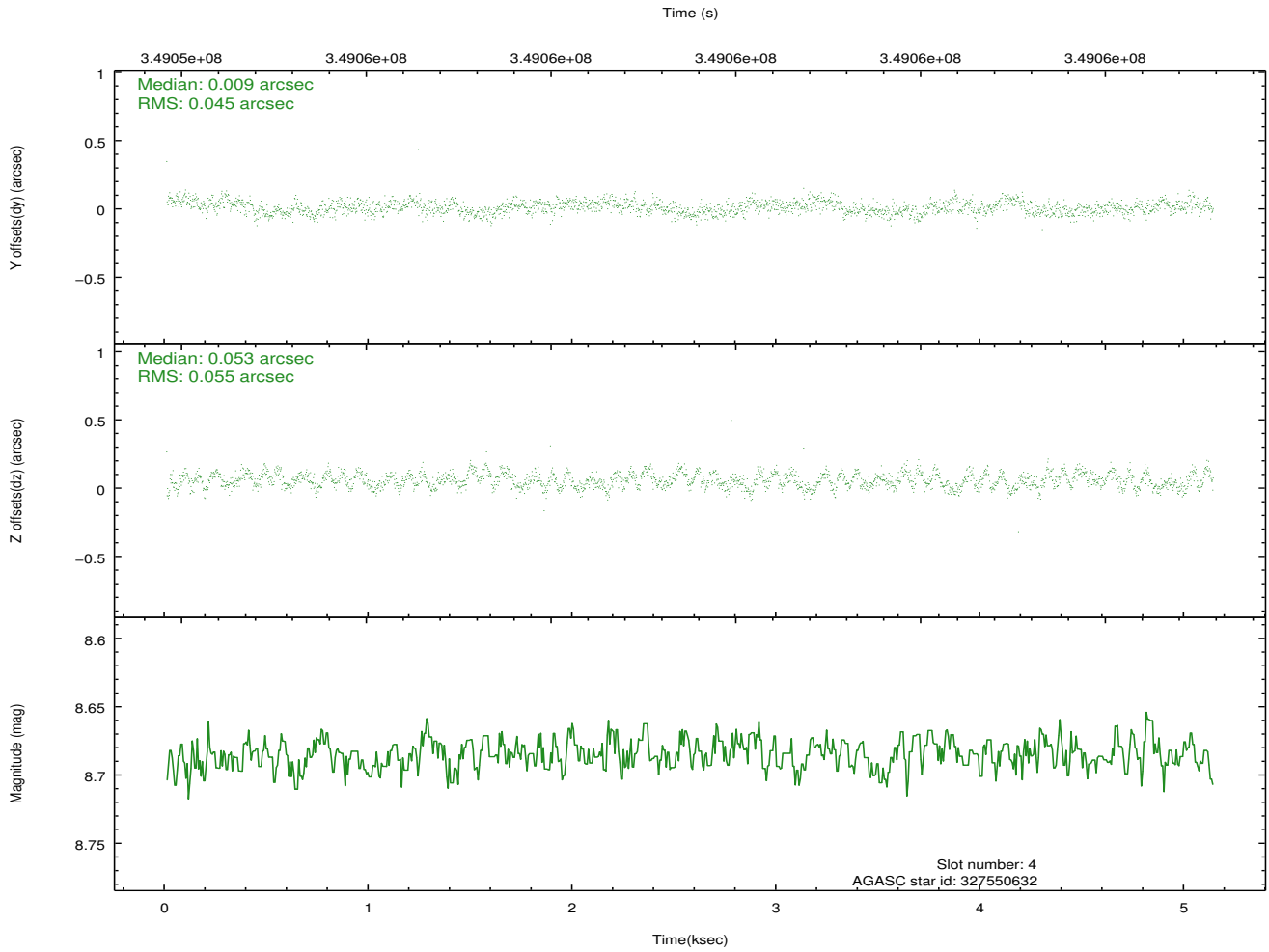
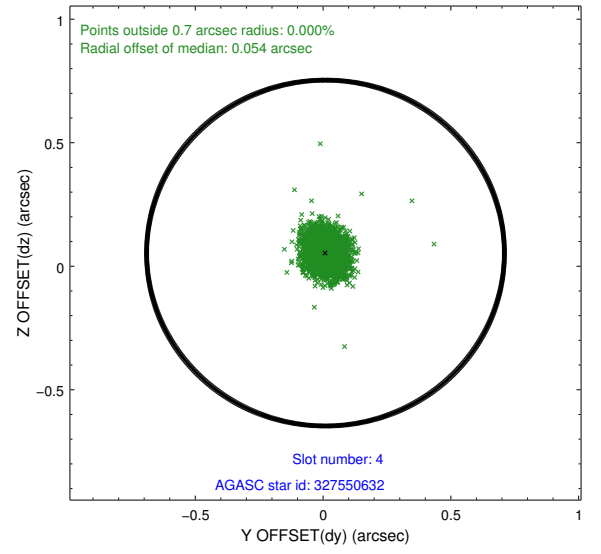
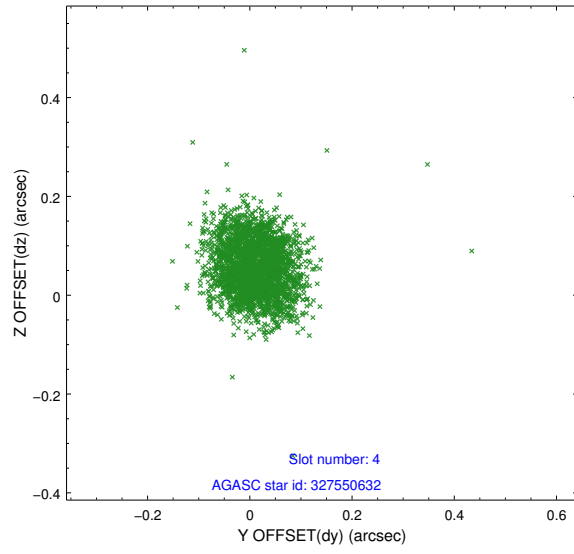
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1252	-0.035	-0.024	0.009	0.014	0.000000	0.000000	-766.44	-1737.87
1	FID	ACIS-S-4	6.96	1252	0.176	0.023	0.006	0.010	0.000000	0.000000	2146.50	169.44
2	FID	ACIS-S-5	6.99	1252	-0.172	0.009	0.009	0.016	0.000000	0.000000	-1817.91	164.44
3	GUIDE	327548936	7.61	2505	-0.059	-0.069	0.059	0.094	138.788148	37.060209	-1563.02	508.99
4	GUIDE	327550632	8.68	2505	0.009	0.053	0.074	0.117	138.406681	37.018210	-771.81	1282.77
5	GUIDE	391128992	8.28	2505	-0.155	-0.079	0.069	0.107	137.658959	37.633702	2263.53	754.86
6	GUIDE	391129232	9.29	2504	0.098	-0.092	0.080	0.127	138.004774	37.530659	1248.86	474.98
7	GUIDE	391130304	9.23	2500	0.109	0.187	0.093	0.149	138.771062	37.741703	-61.05	-1431.61

2.4 Star Slots

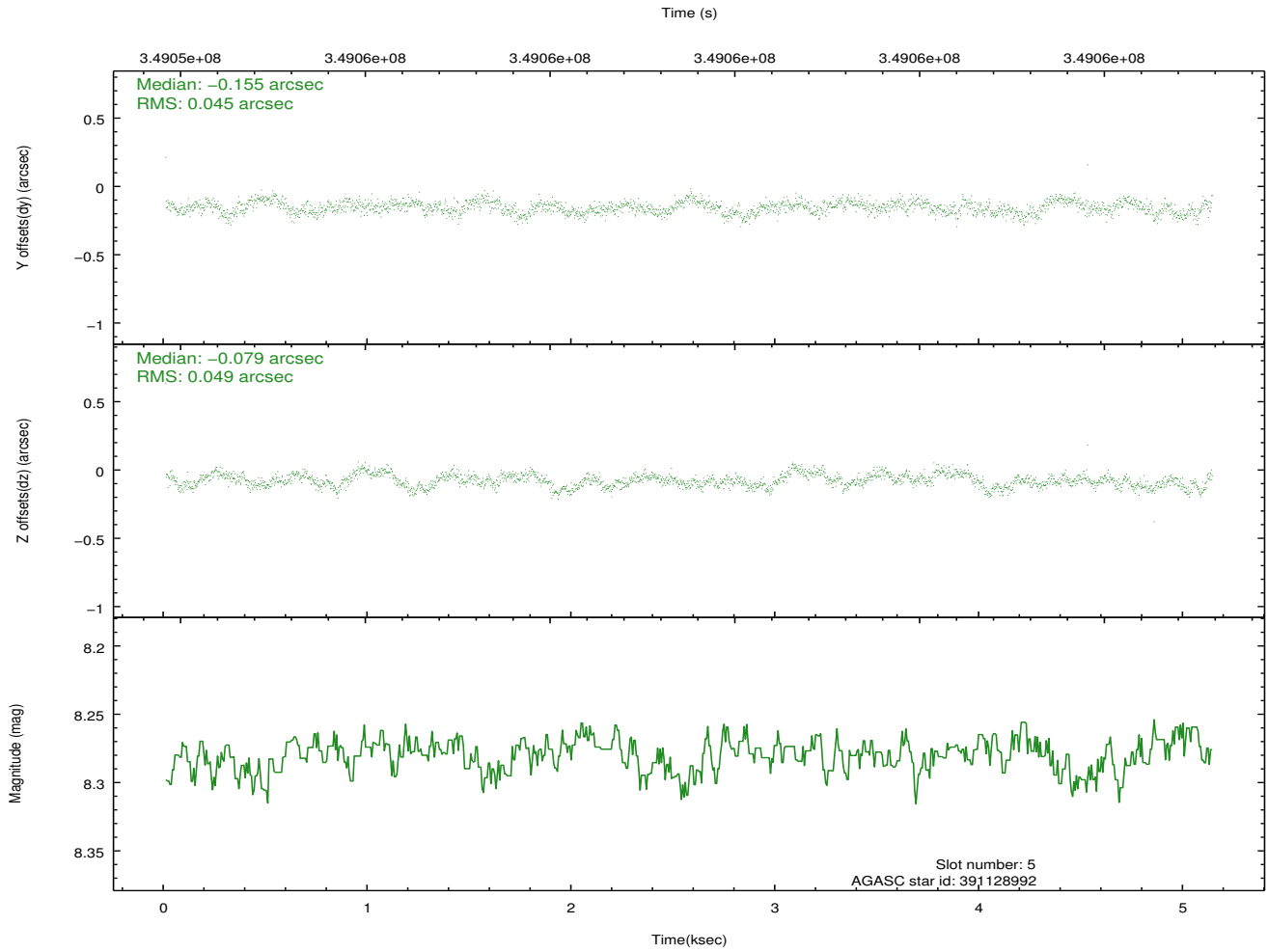
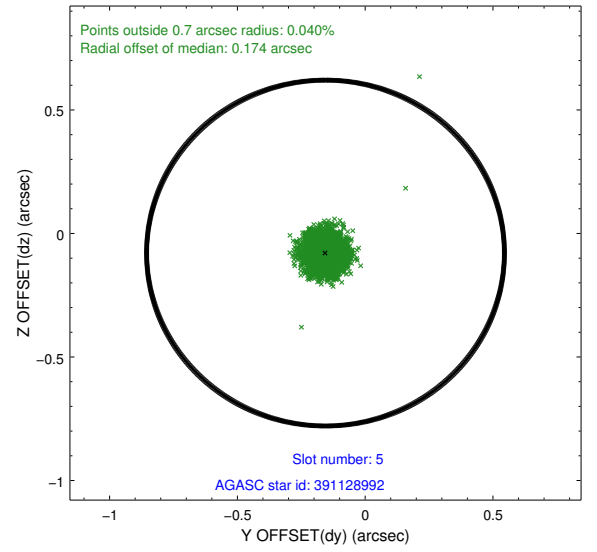
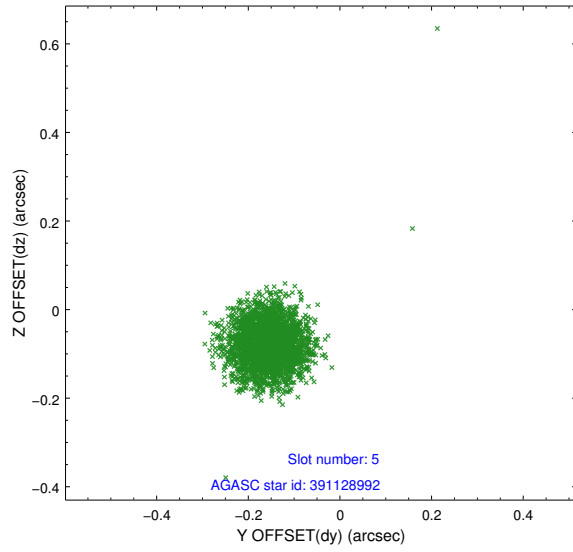
2.4.1 Slot 3



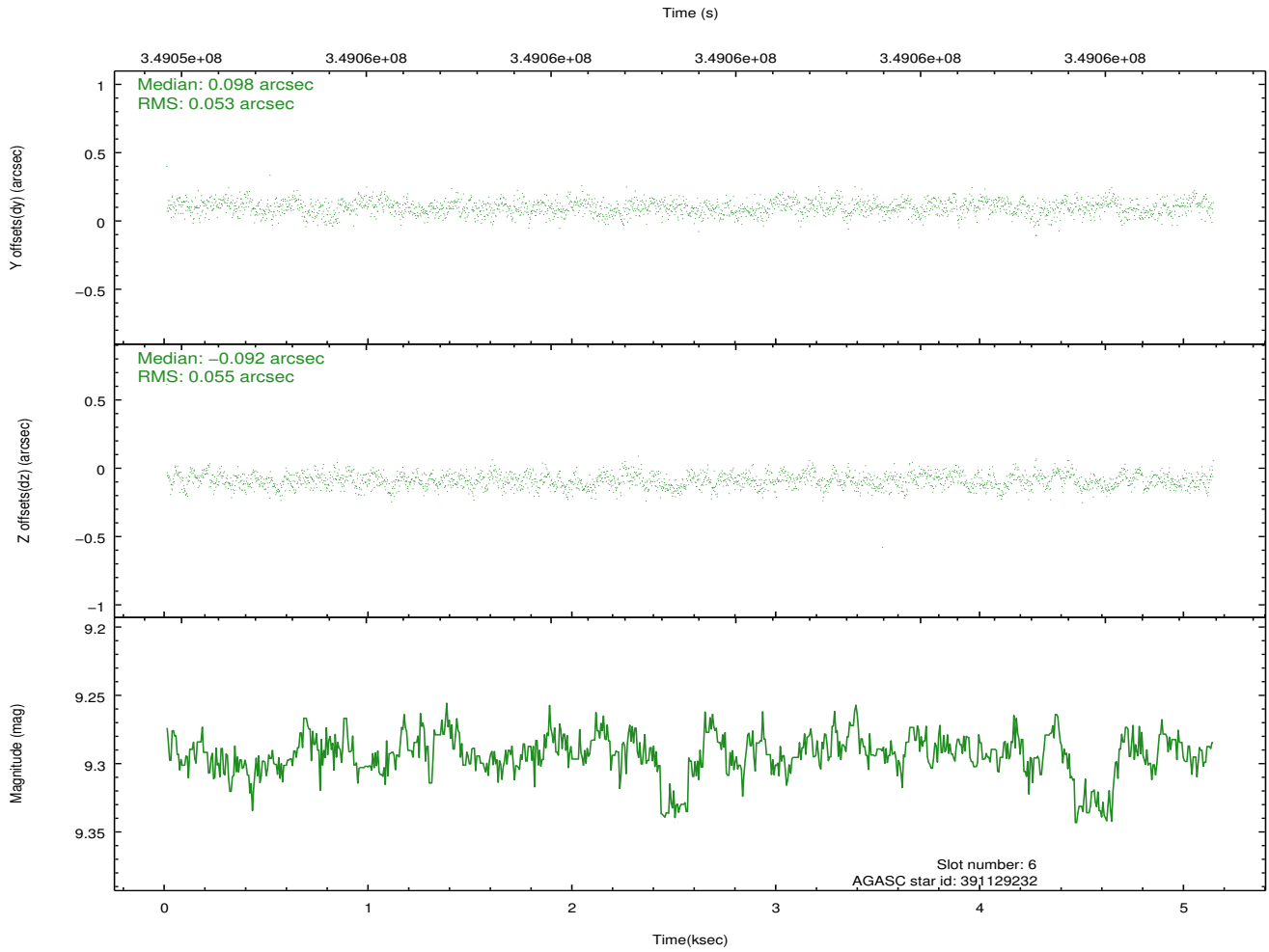
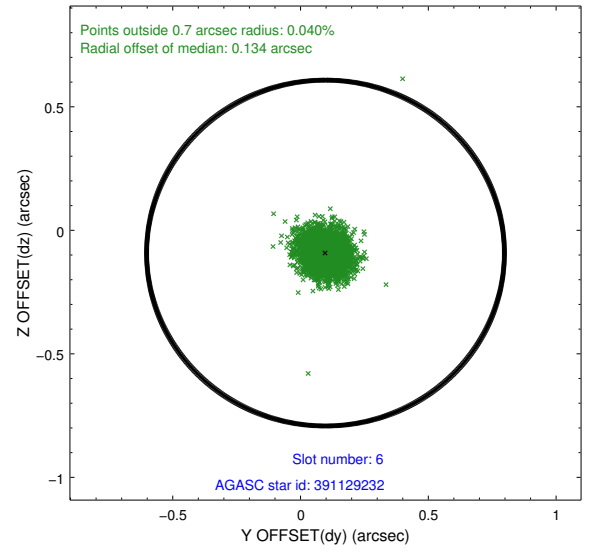
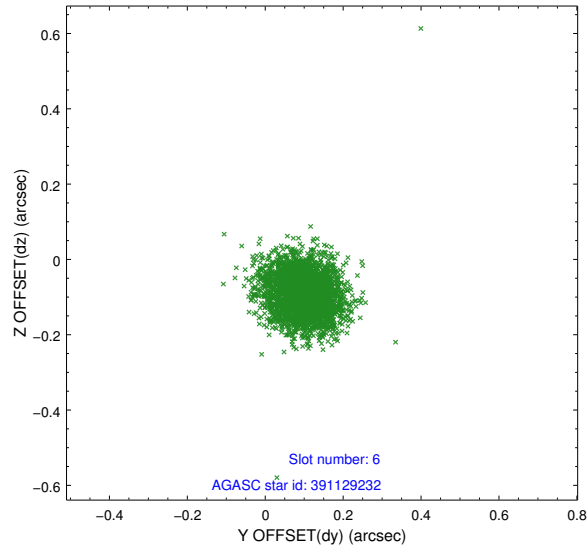
2.4.2 Slot 4



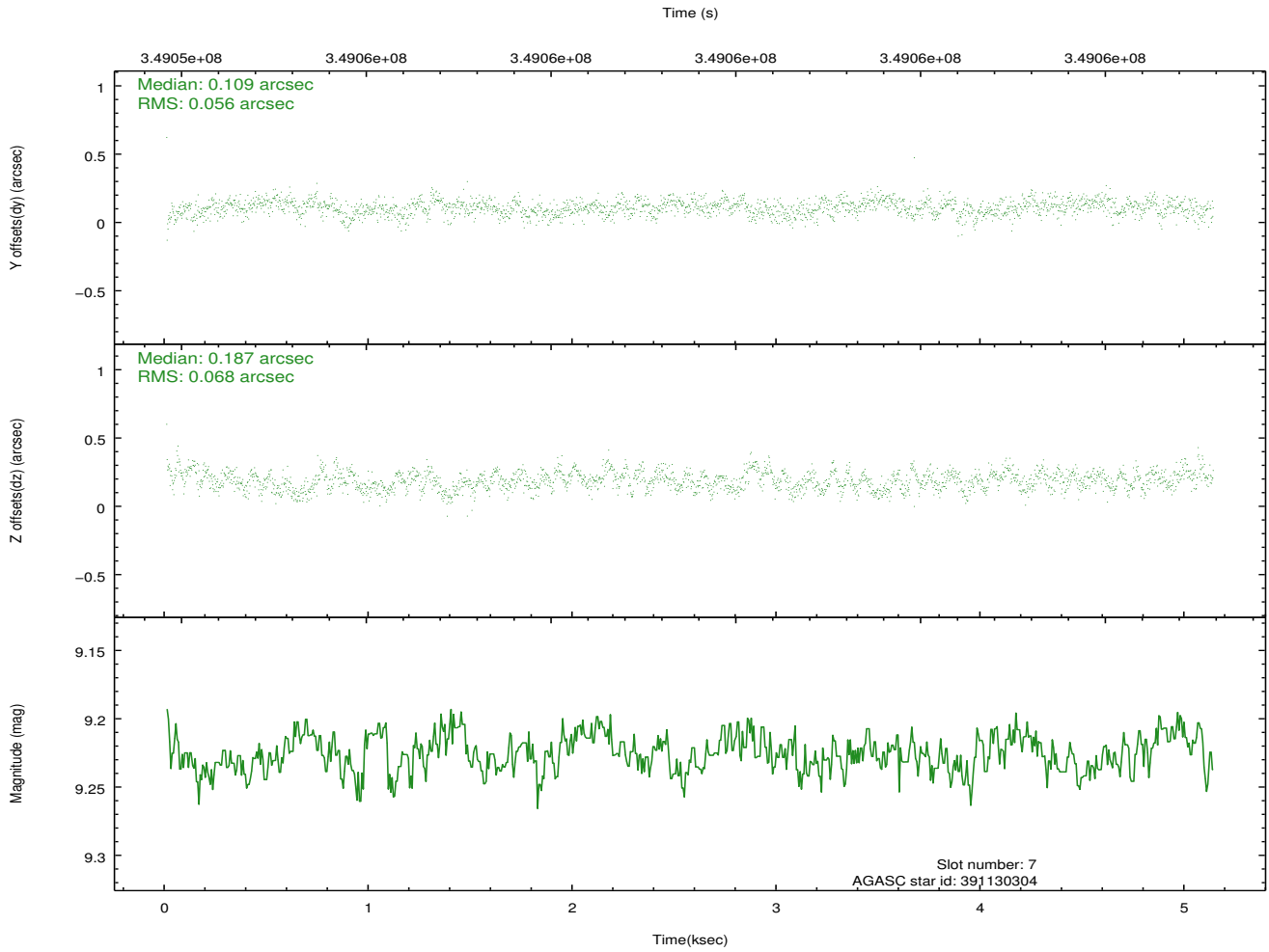
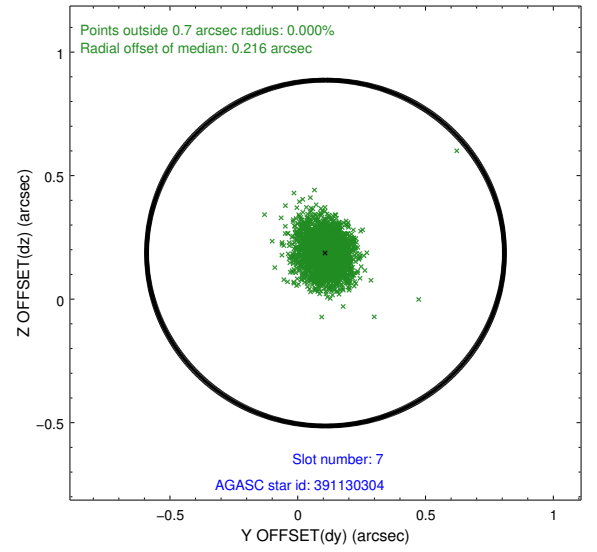
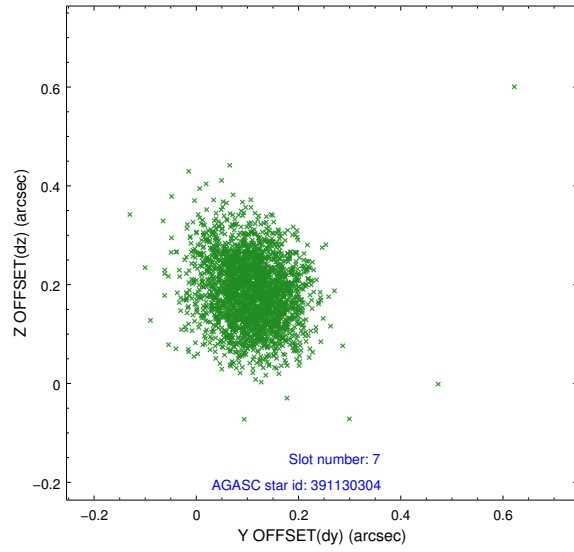
2.4.3 Slot 5



2.4.4 Slot 6

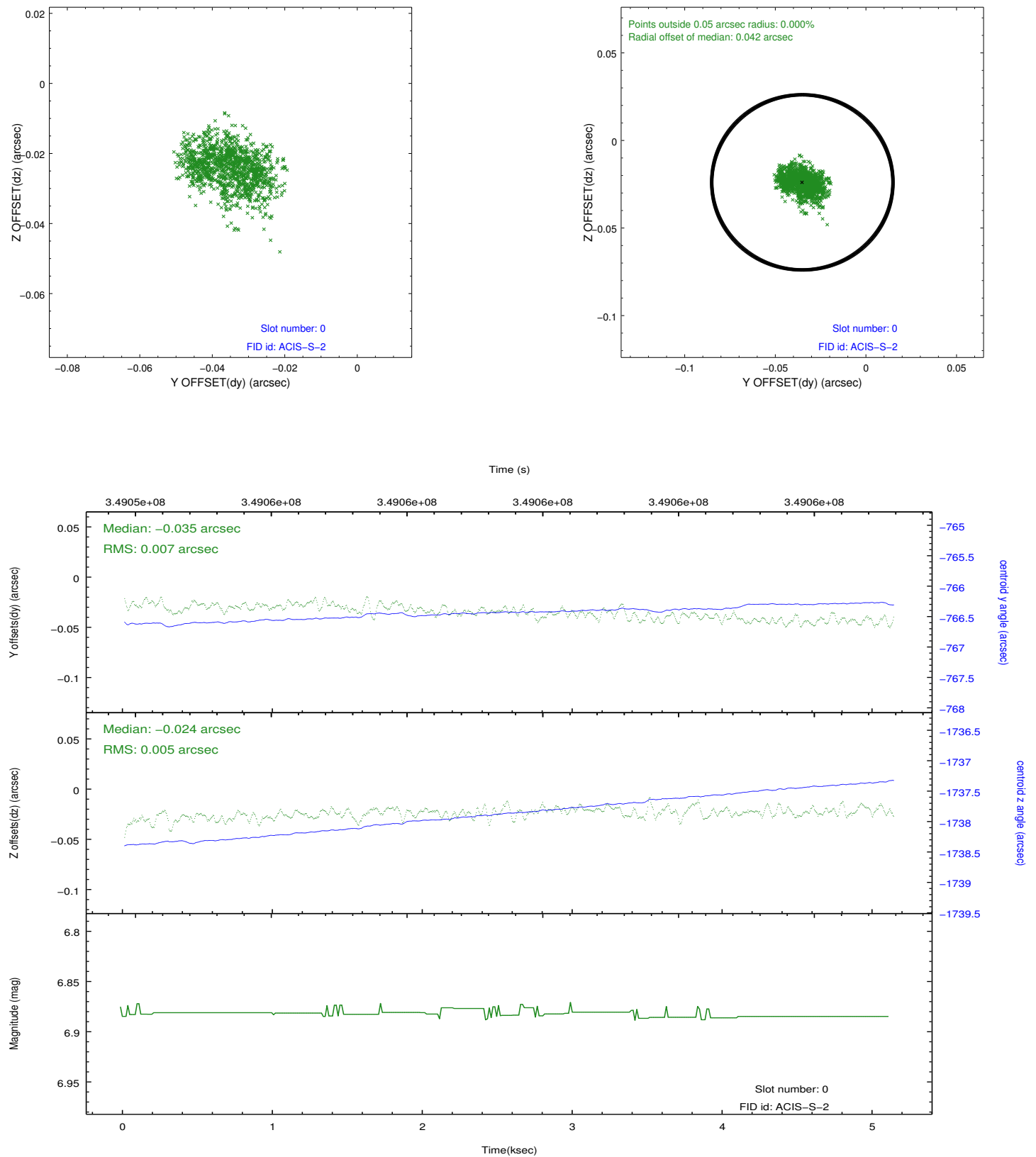


2.4.5 Slot 7

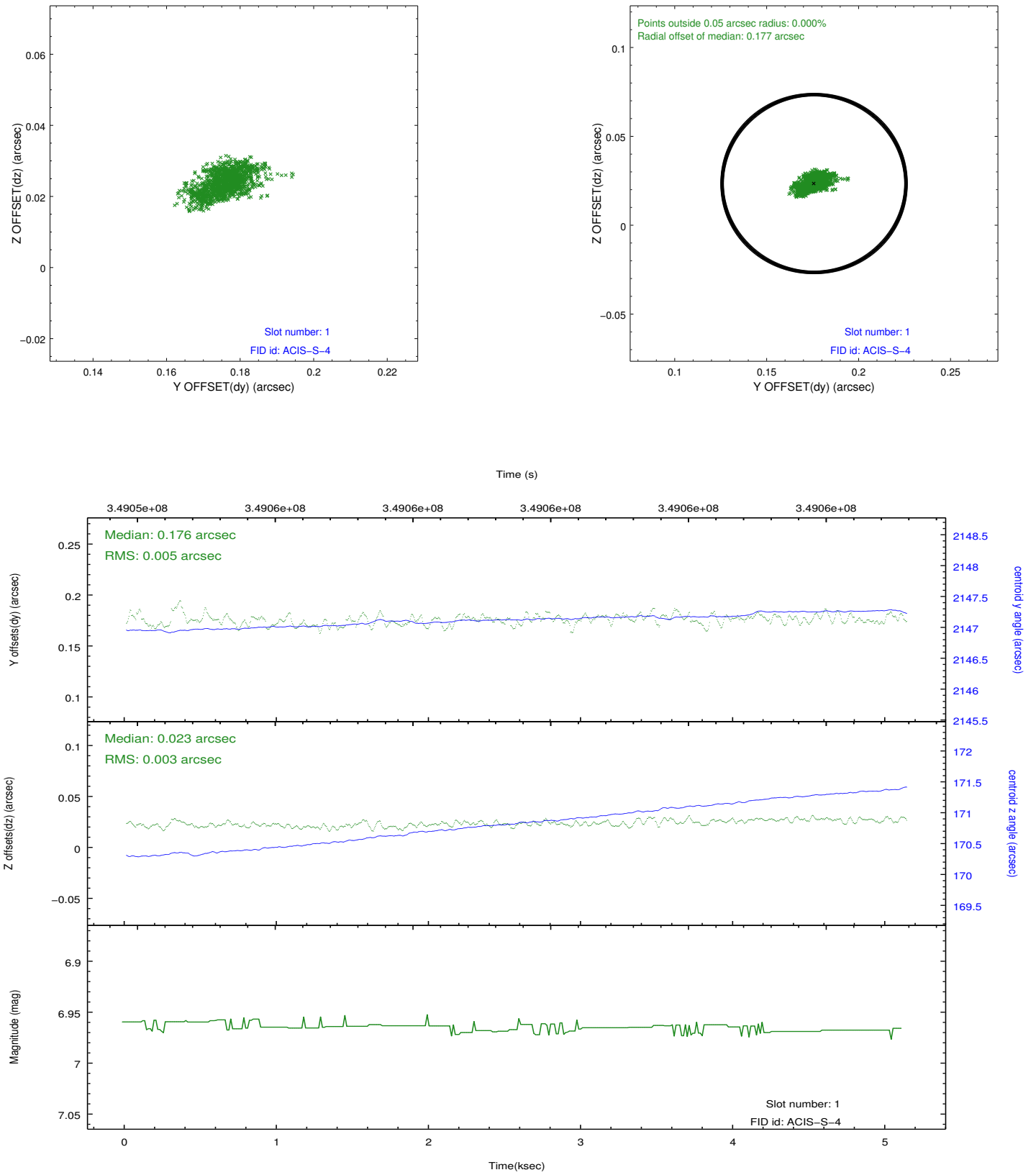


2.5 FID Slots

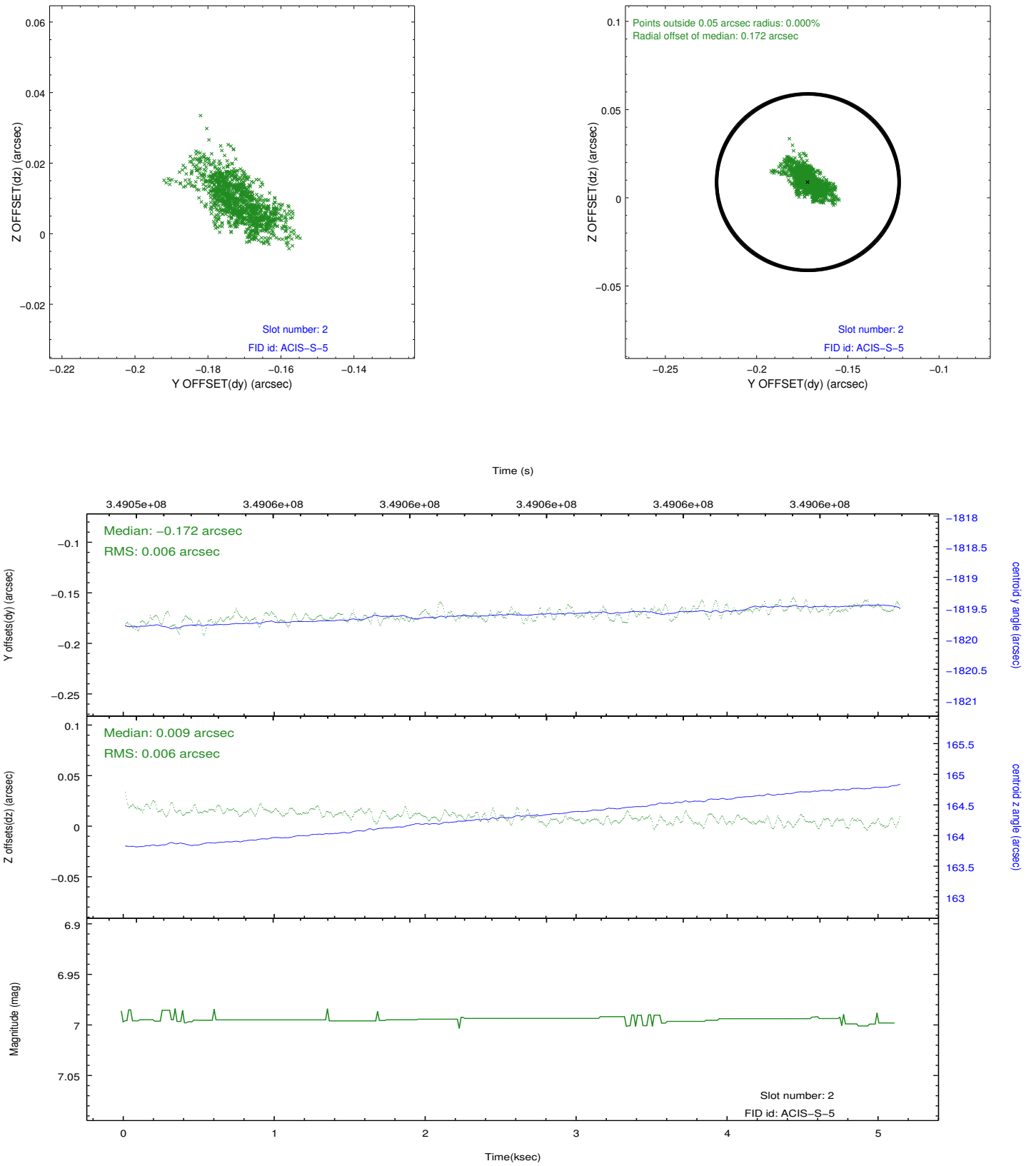
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.12740003

A.2 Comments