

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9315 - L2 Version 2
Chandra X-Ray Center

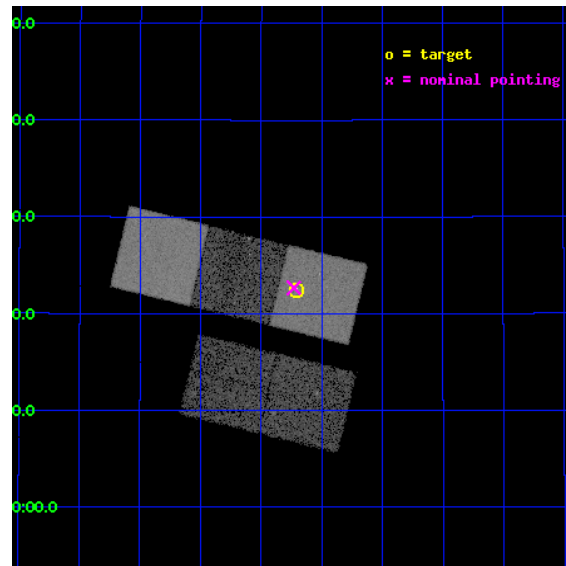
L2 Processing Date : May 5 2012

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1 Front

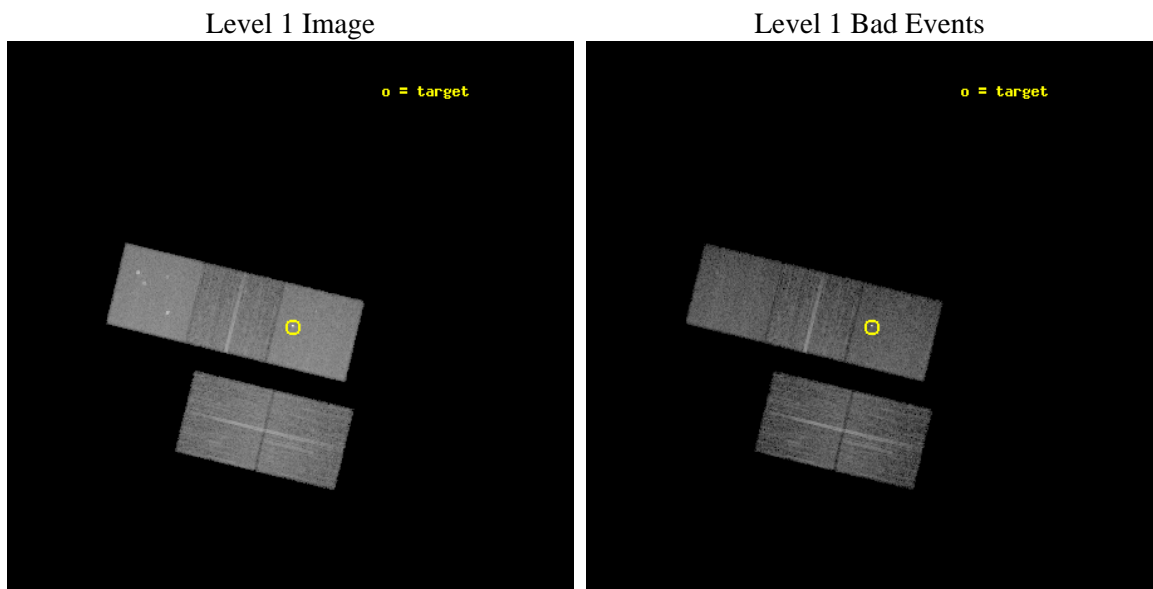
seq_num	701755	Sequence number
obs_id	9315	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C332	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.428333	Observer's specified target RA [deg]
dec_targ	32.374639	Observer's specified target Dec [deg]
ra_nom	244.43243829926	Nominal RA [deg]
dec_nom	32.378087127819	Nominal Dec [deg]
roll_nom	13.557423210432	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8032.1000617743	Sum of GTIs [s]
livetime	7927.1547613211	Livetime [s]
ontime2	8028.9592209458	Sum of GTIs [s]
ontime3	8032.1000617743	Sum of GTIs [s]
ontime5	8032.1000617743	Sum of GTIs [s]
ontime6	8032.1000617743	Sum of GTIs [s]
ontime7	8032.1000617743	Sum of GTIs [s]
l2events	126141	Number of level 2 events



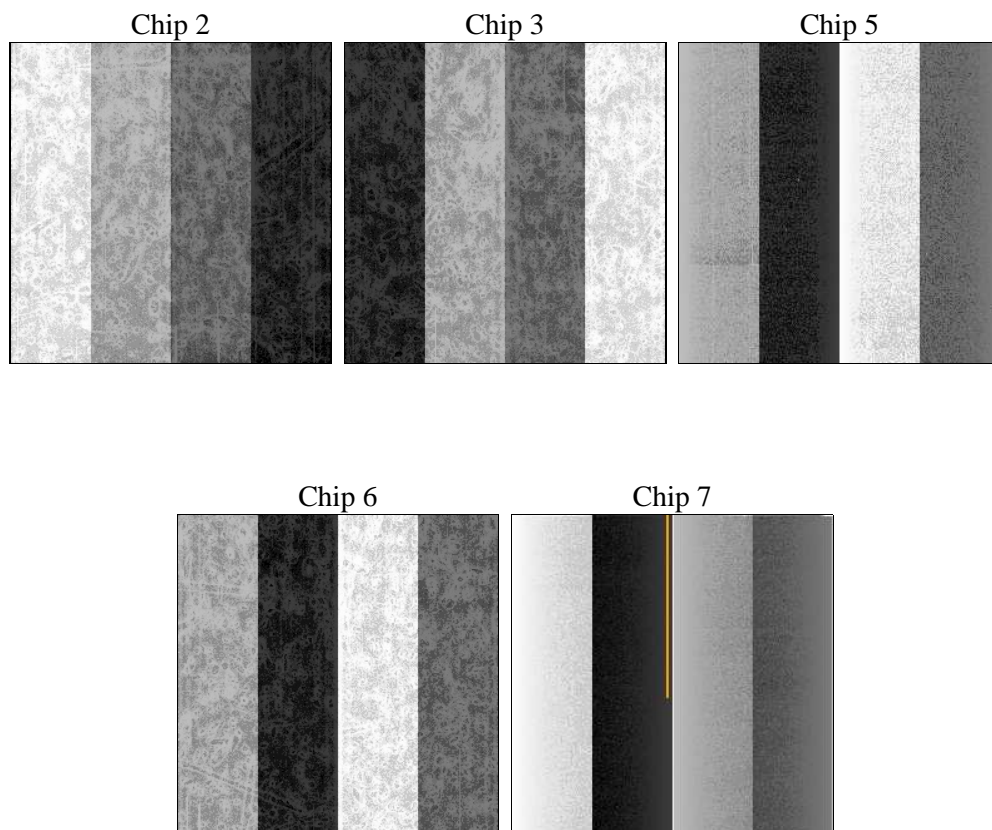
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8032.1000617743	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8028.9592209458	Sum of GTIs [s]
date	2012-05-05T22:01:38	Date and time of file creation	ontime3	8032.1000617743	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8032.1000617743	Sum of GTIs [s]
			ontime6	8032.1000617743	Sum of GTIs [s]
			ontime7	8032.1000617743	Sum of GTIs [s]
			l1events	472566	Number of level 1 events

2.1.4 Events

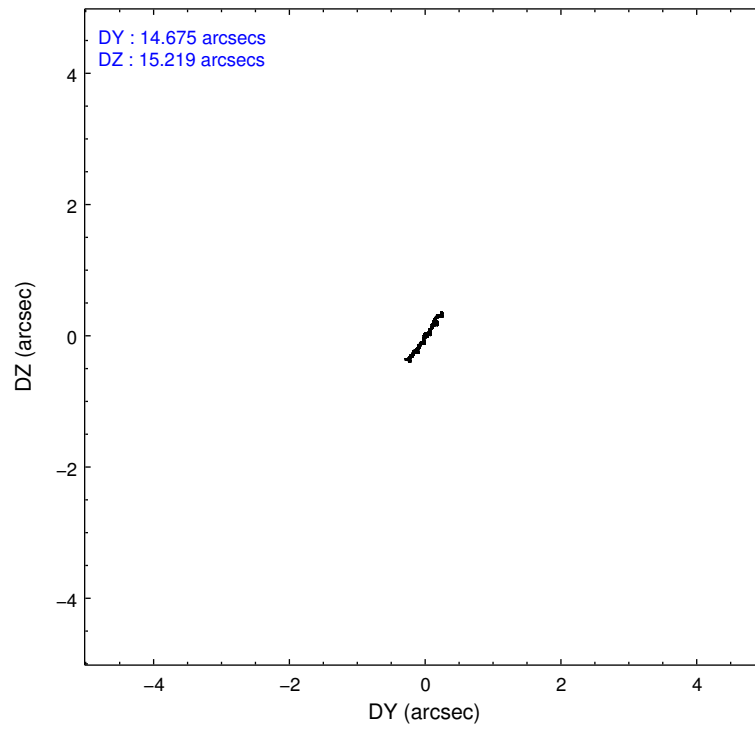
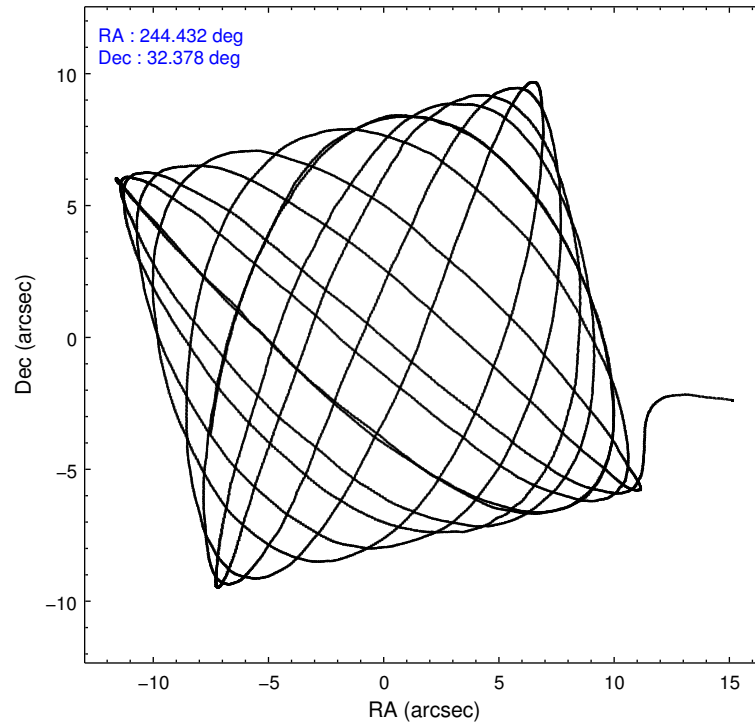
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	76964	75708	124303	80738	114853
rejected events	67432	66270	66816	71110	66331
rejected %	87%	87%	53%	88%	57%

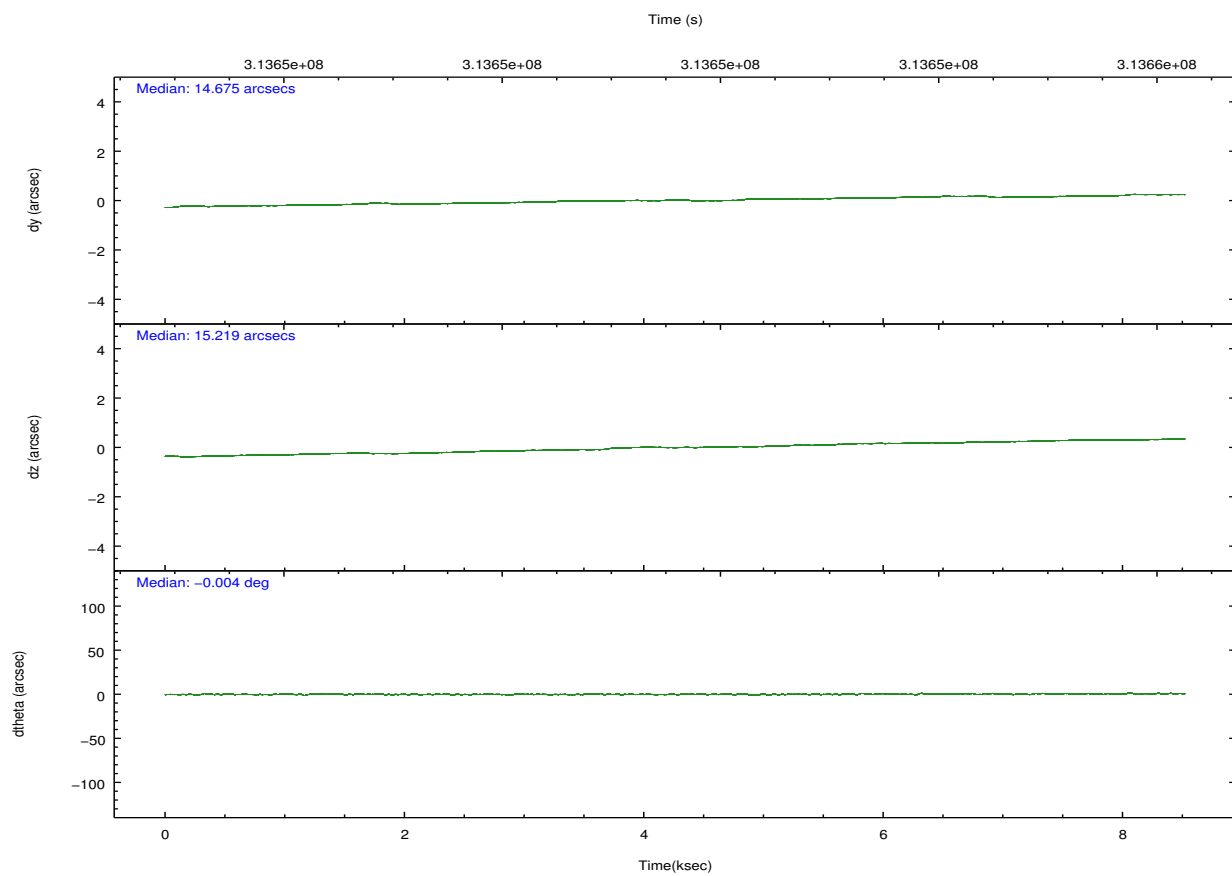
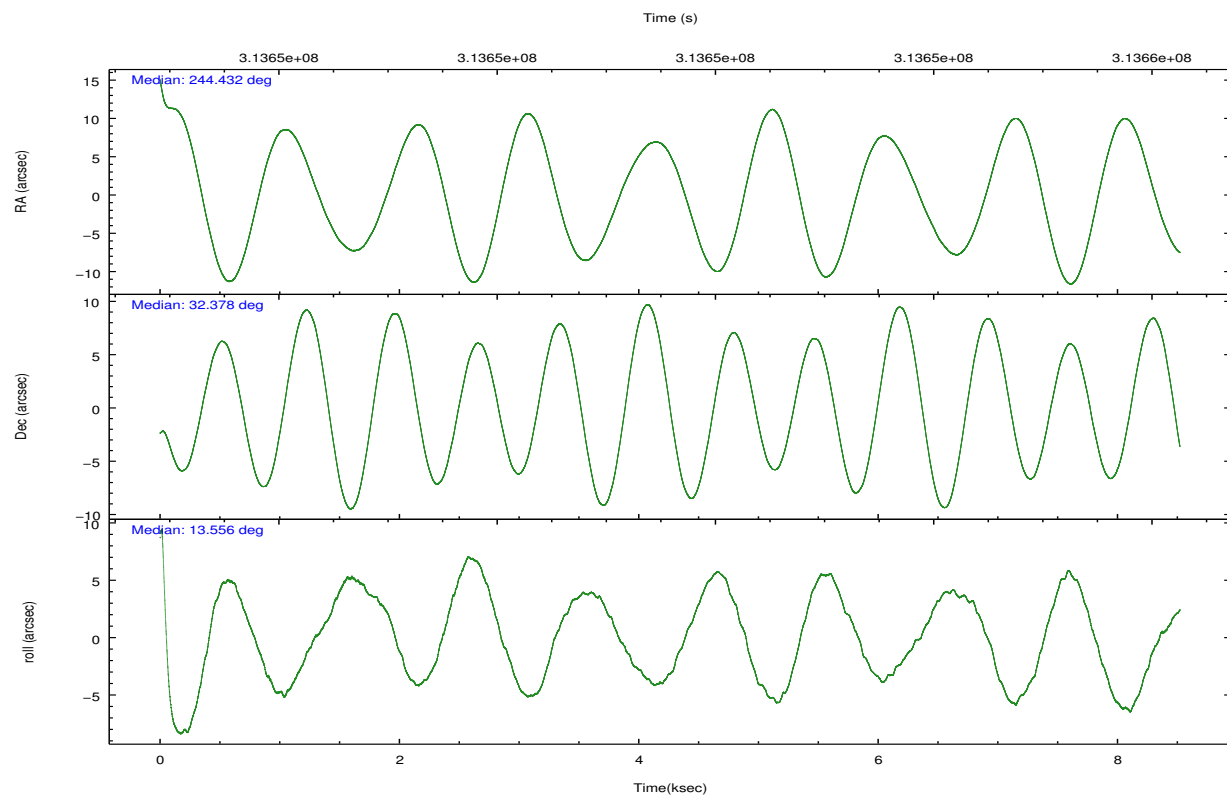
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	4258	4158	5944	3857	4384
	5%	5%	4%	4%	3%
grade 1 events	47	46	250	35	181
	0%	0%	0%	0%	0%
grade 2 events	2046	1796	17107	2097	10016
	2%	2%	13%	2%	8%
grade 3 events	883	909	2025	864	4254
	1%	1%	1%	1%	3%
grade 4 events	864	821	2016	937	4085
	1%	1%	1%	1%	3%
grade 5 events	2999	3669	8723	3785	10622
	3%	4%	7%	4%	9%
grade 6 events	1488	1761	30416	1874	25821
	1%	2%	24%	2%	22%
grade 7 events	64379	62548	57822	67289	55490
	83%	82%	46%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	244.409230	244.4324382992561	CCD I2 on	Y	Y
[deg] Pointing Dec	32.358975	32.3780871278187	CCD I3 on	Y	Y
[deg] Pointing Roll	13.413201	13.55742321043208	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	313647849.184000	313646750.31165	CCD S5 on	N	N
Observation start date	2007-12-10T04:23:04	2007-12-10T04:05:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	313655849.184000	313656279.22461	On-chip summing requested	N	N
Observation end date	2007-12-10T06:36:24	2007-12-10T06:44:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



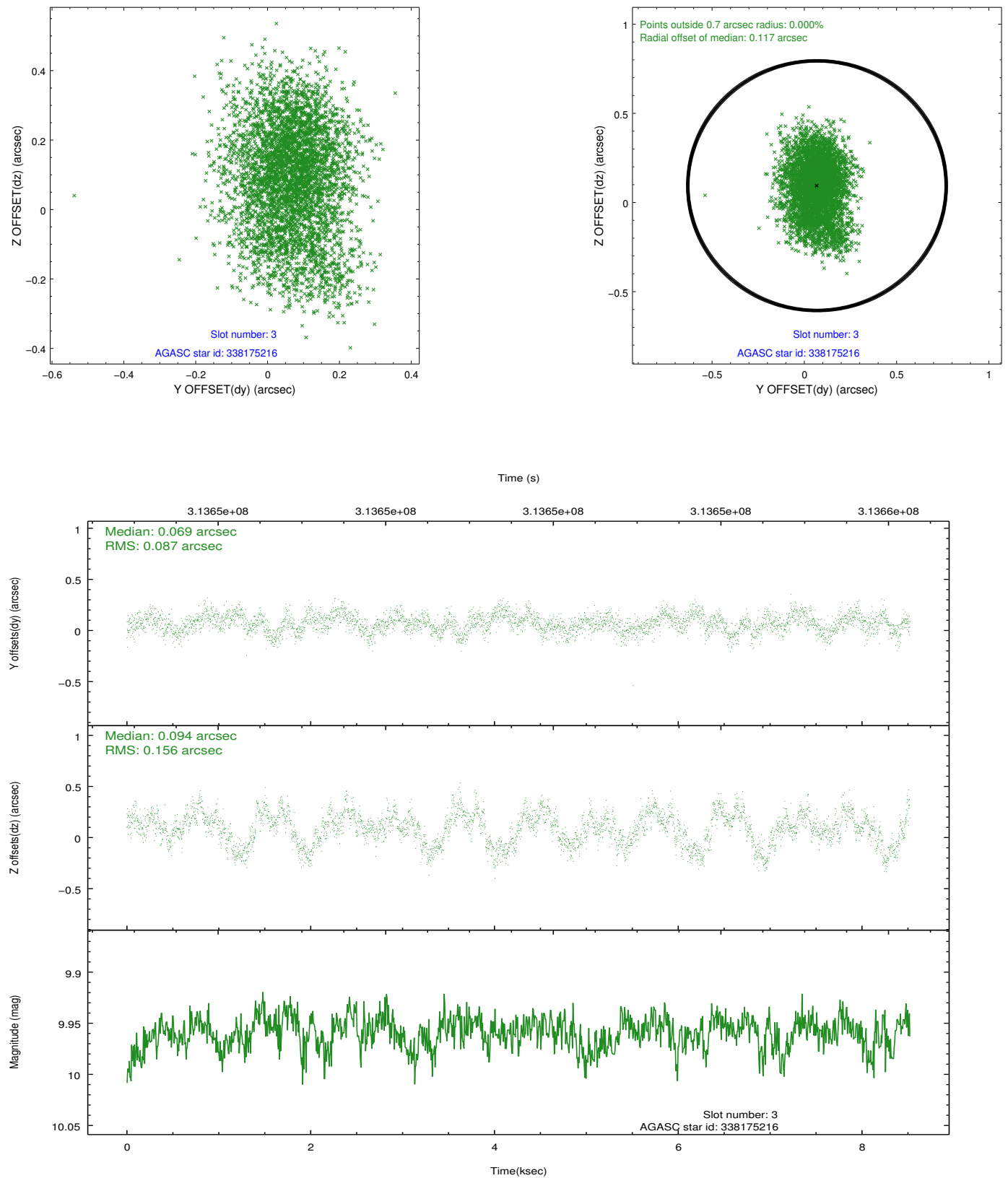


Slot Statistics

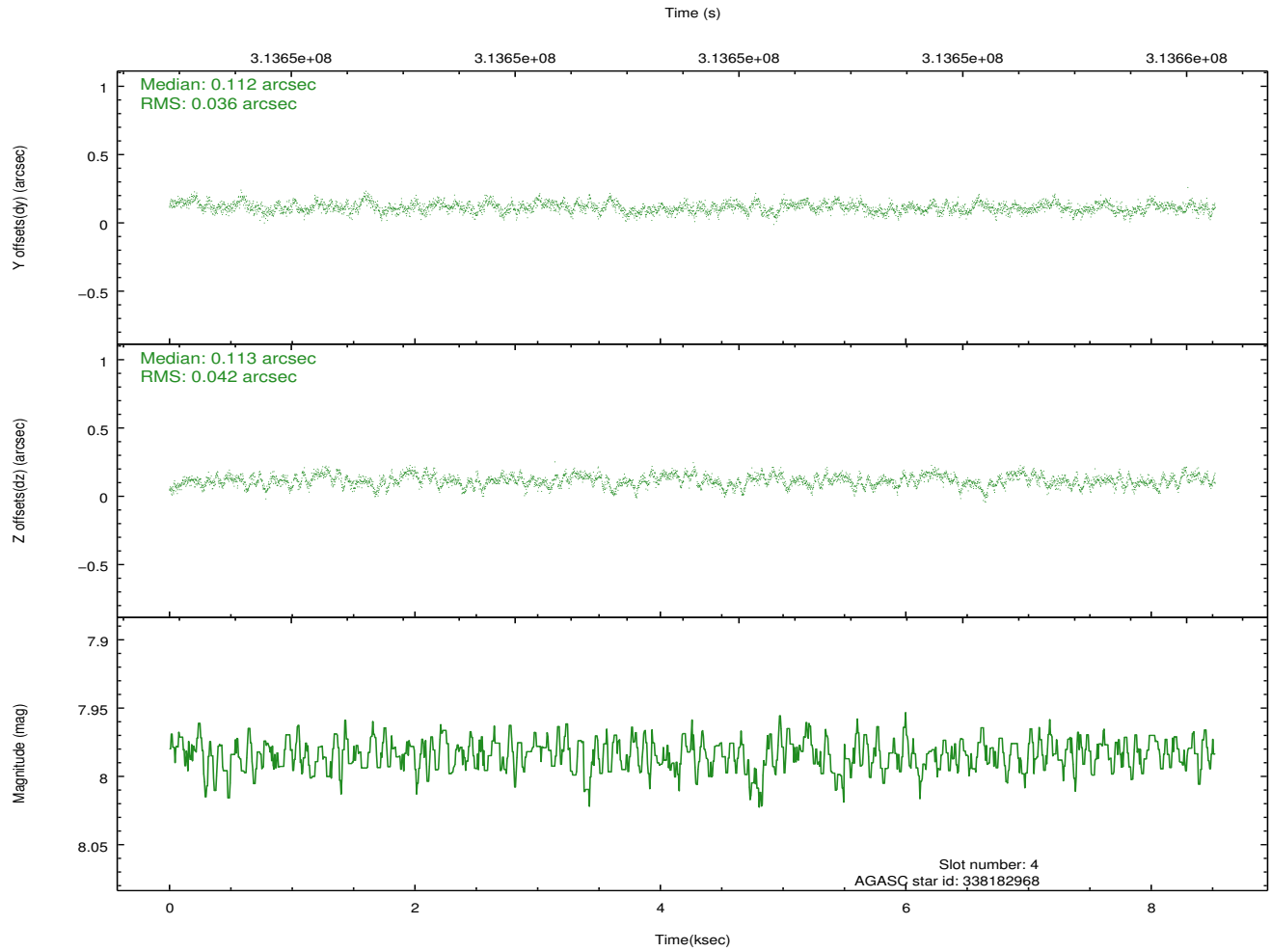
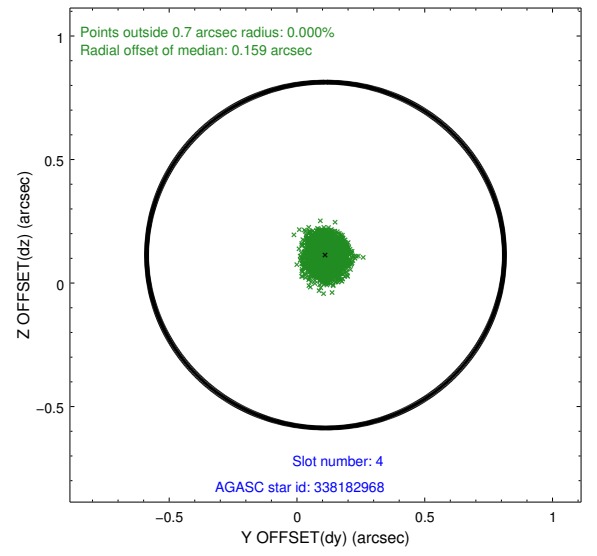
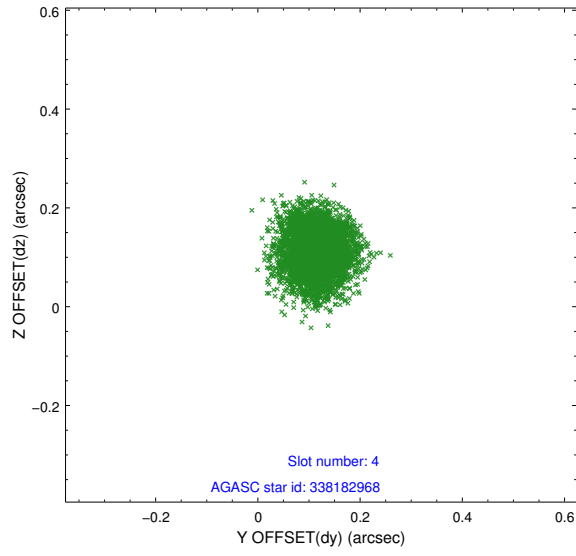
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2079	-0.090	-0.028	0.008	0.014	0.000000	0.000000	-767.72	-1736.57
1	FID	ACIS-S-4	7.19	2079	0.198	0.051	0.006	0.011	0.000000	0.000000	2145.54	171.33
2	FID	ACIS-S-5	7.22	2079	-0.139	-0.014	0.008	0.015	0.000000	0.000000	-1819.79	165.66
3	GUIDE	338175216	9.96	4145	0.069	0.094	0.191	0.317	244.584369	31.871767	114.32	-1829.68
4	GUIDE	338182968	7.98	4158	0.112	0.113	0.059	0.094	243.812715	32.147101	-1944.20	-315.69
5	GUIDE	338560168	7.32	4158	-0.131	-0.185	0.069	0.108	244.734918	32.627060	1184.22	711.14
6	GUIDE	338560640	9.71	4150	-0.119	0.040	0.131	0.202	244.972742	32.819794	2044.55	1222.85
7	GUIDE	338562496	8.82	4154	0.072	-0.050	0.074	0.120	244.187788	32.593682	-456.94	978.68

2.4 Star Slots

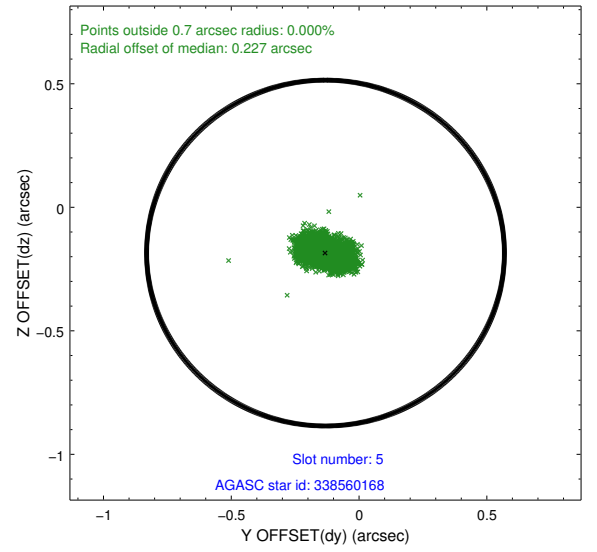
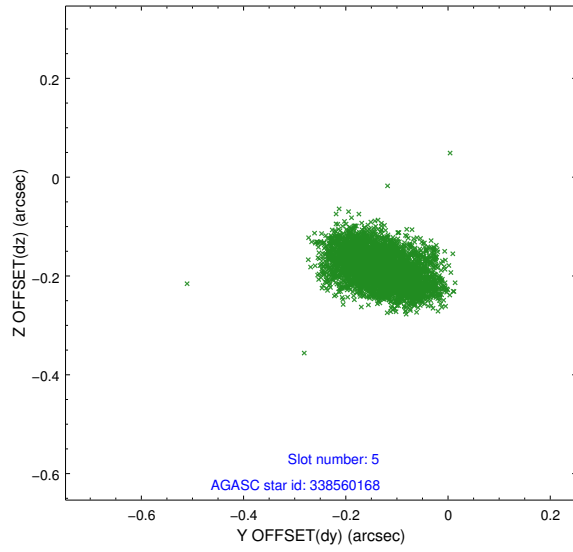
2.4.1 Slot 3



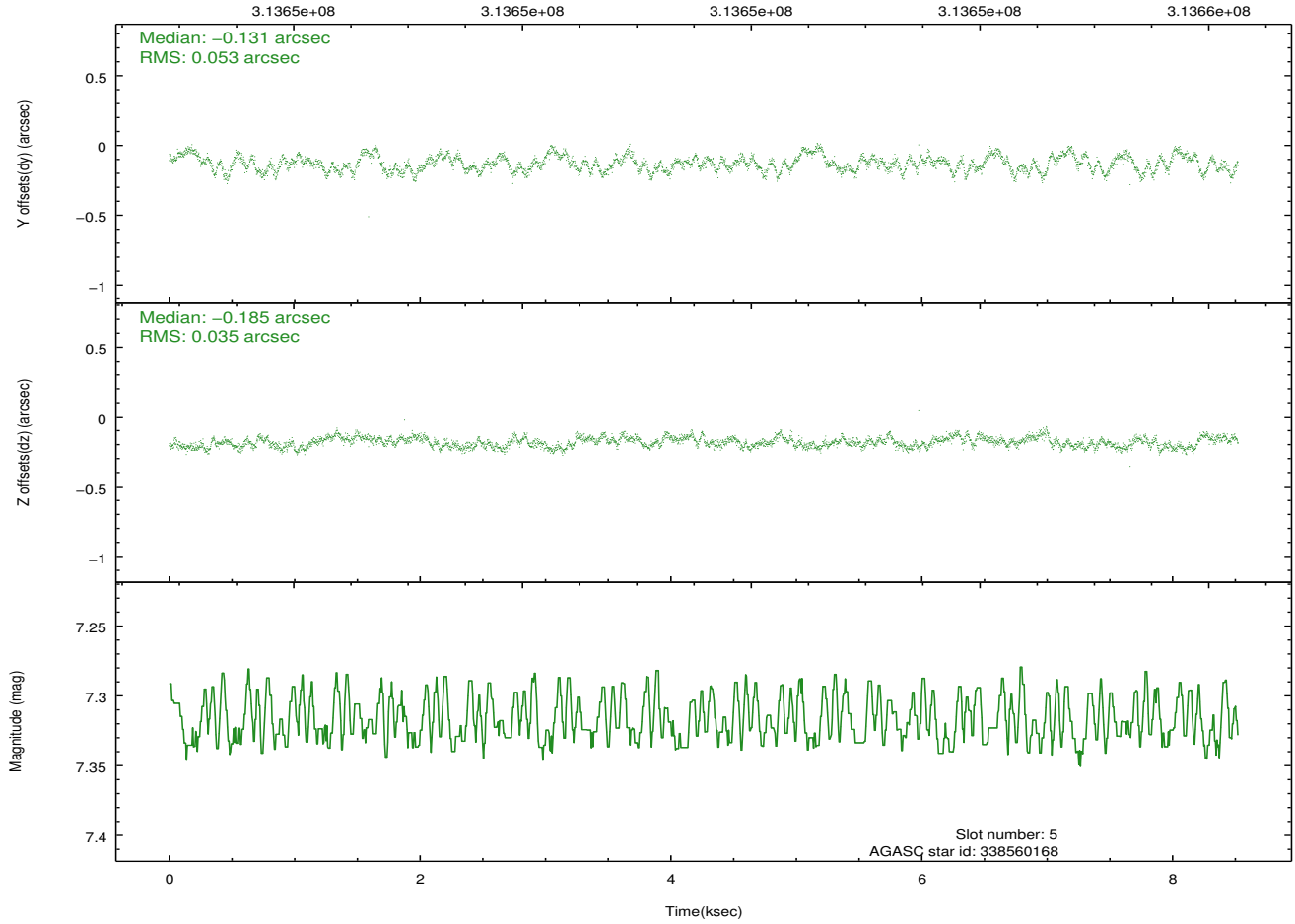
2.4.2 Slot 4



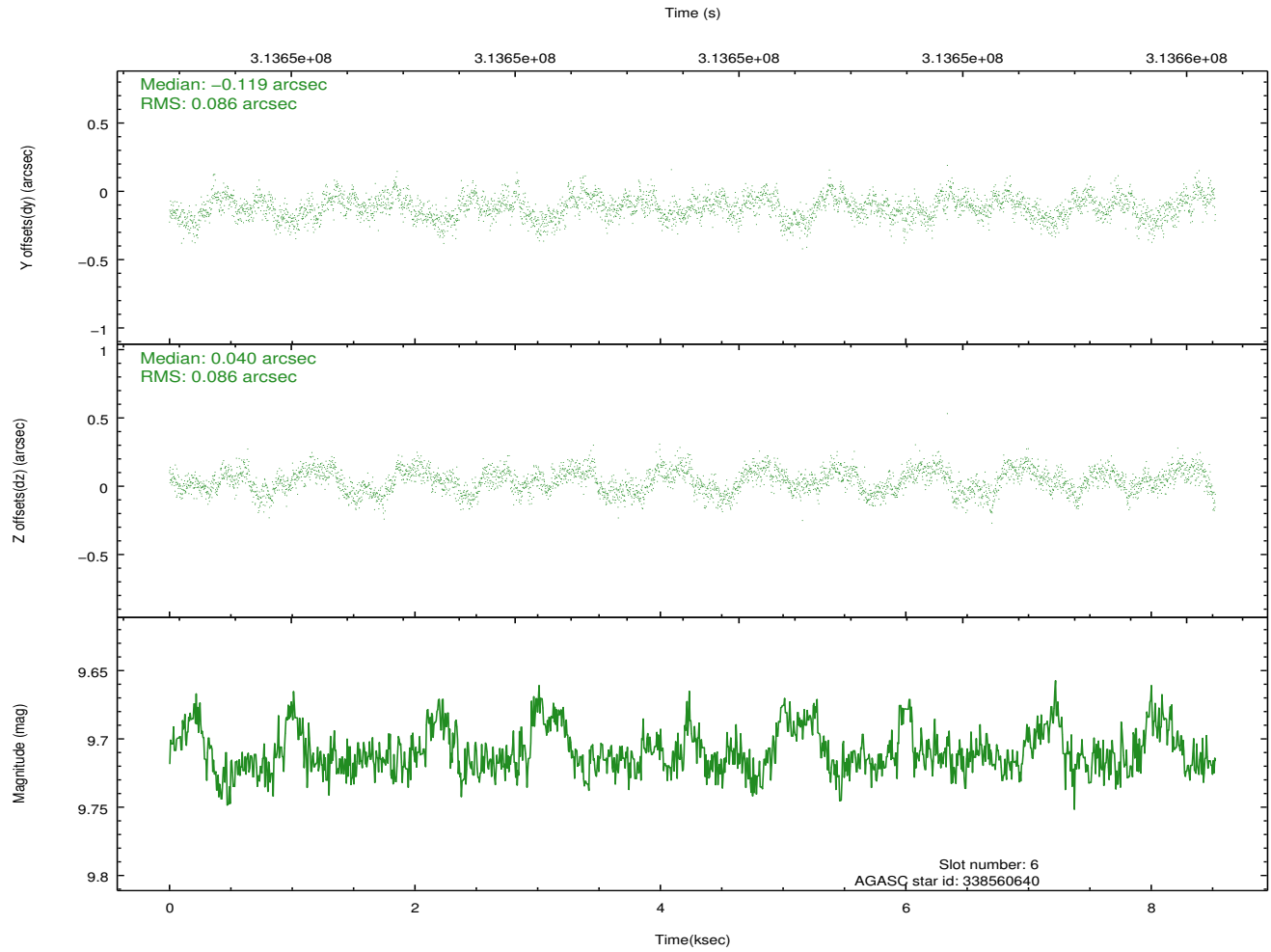
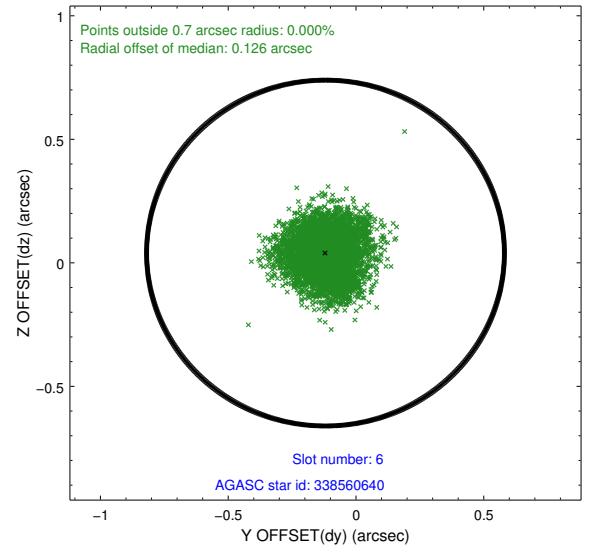
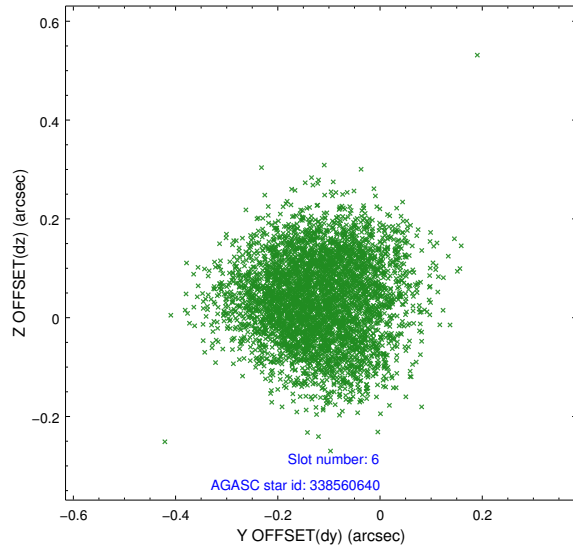
2.4.3 Slot 5



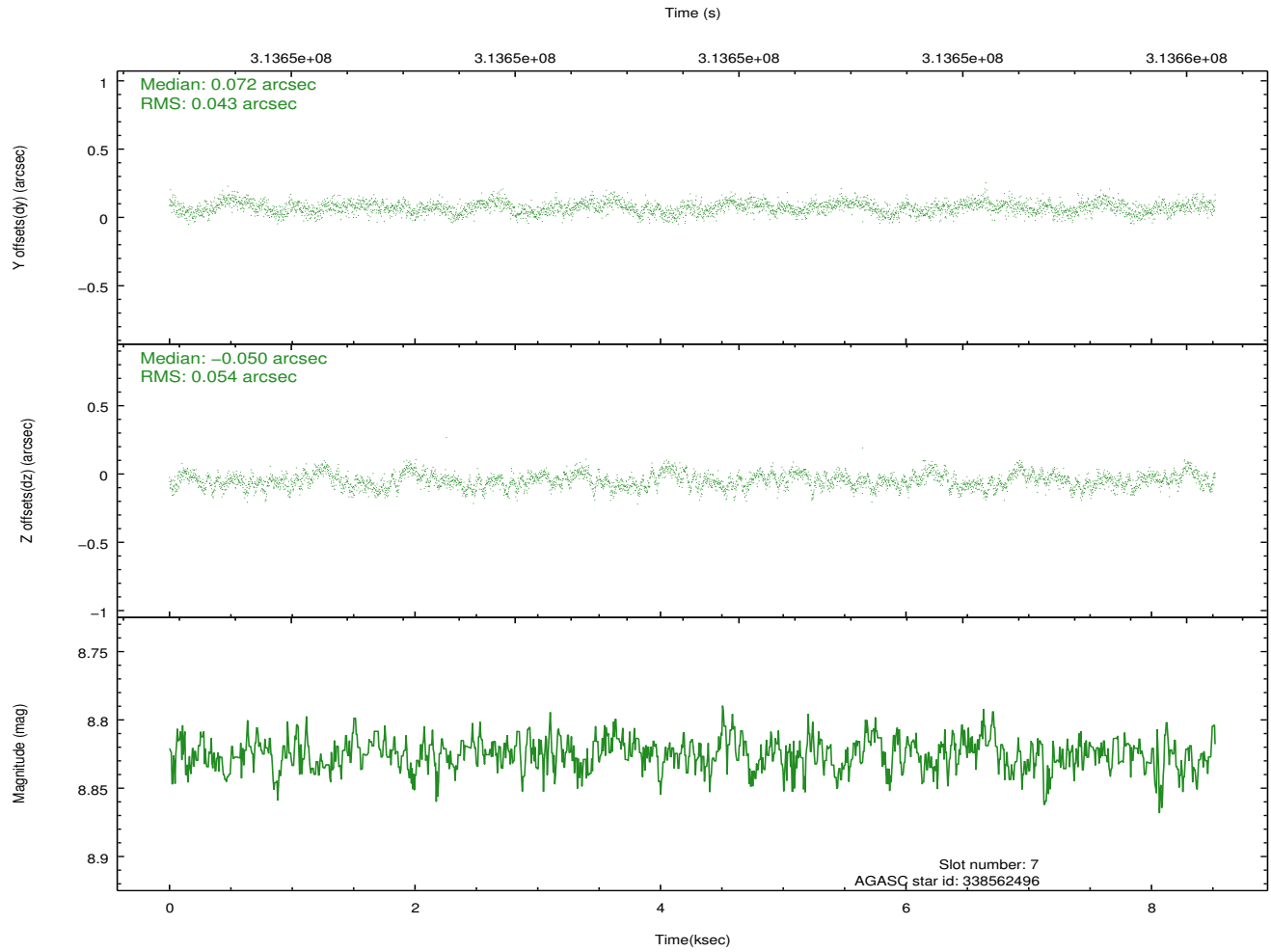
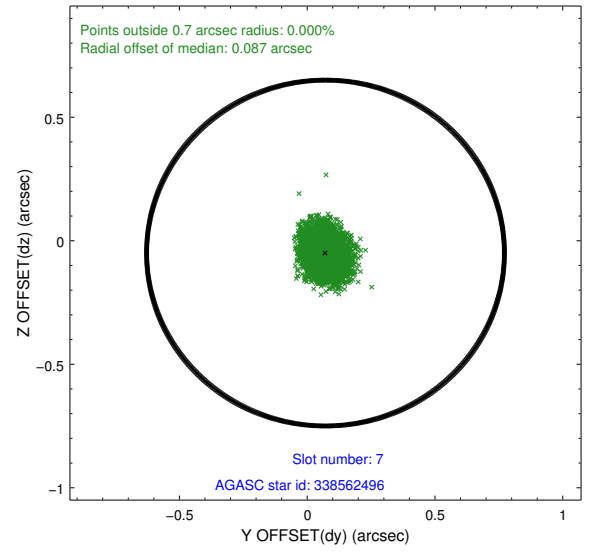
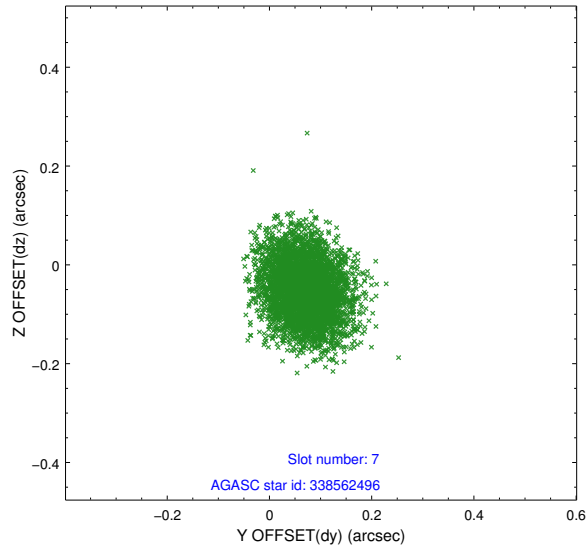
Time (s)



2.4.4 Slot 6

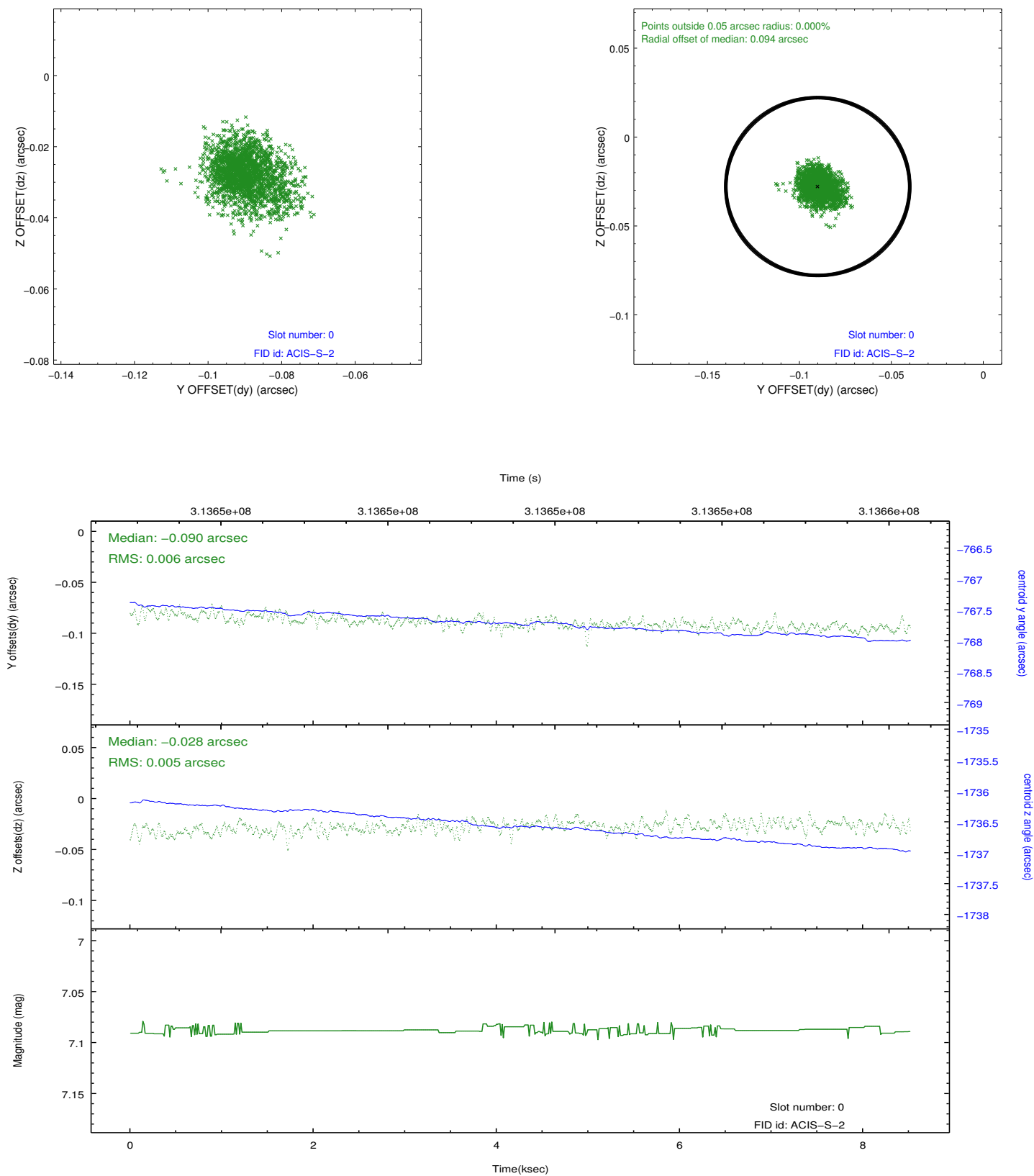


2.4.5 Slot 7

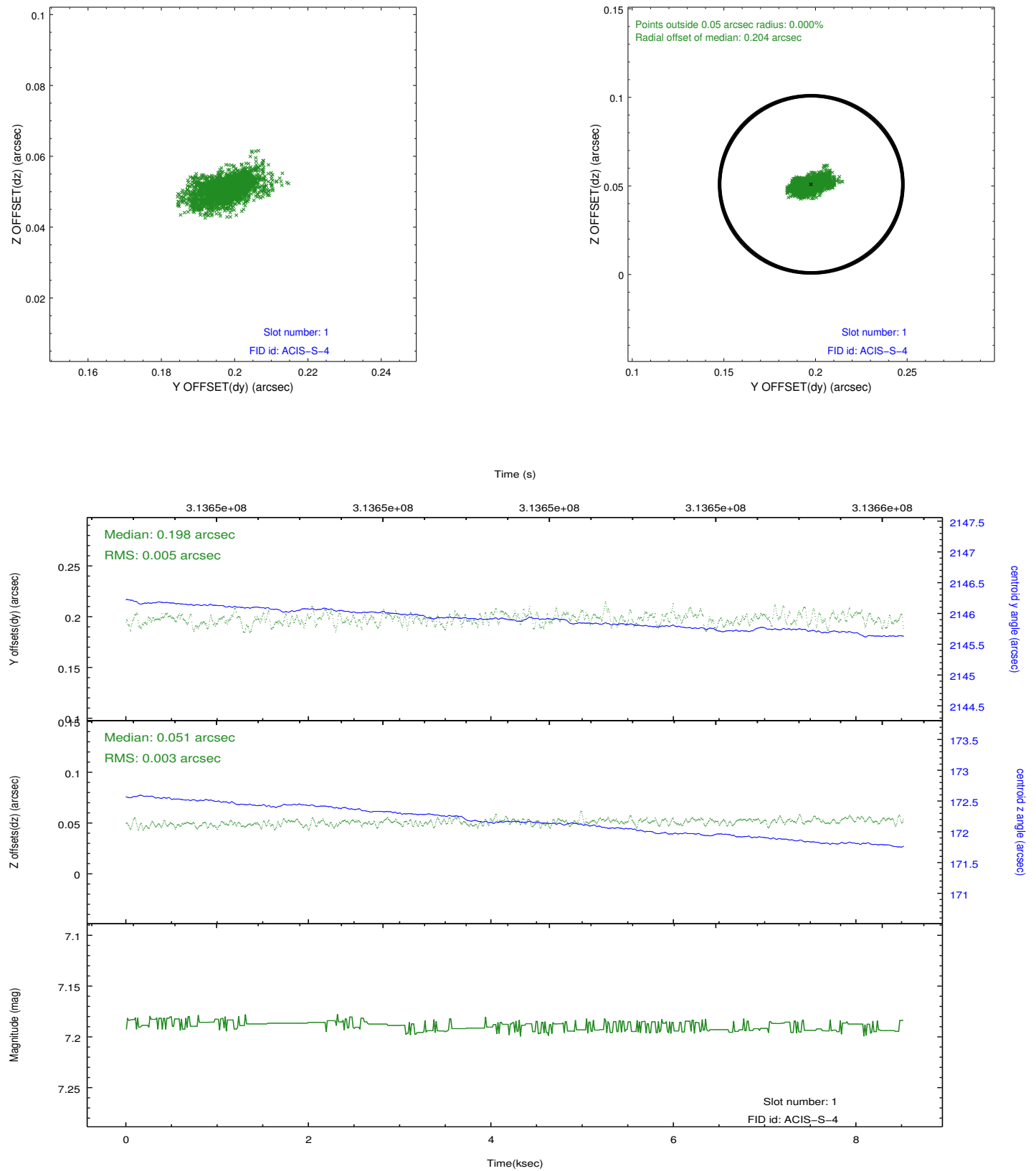


2.5 FID Slots

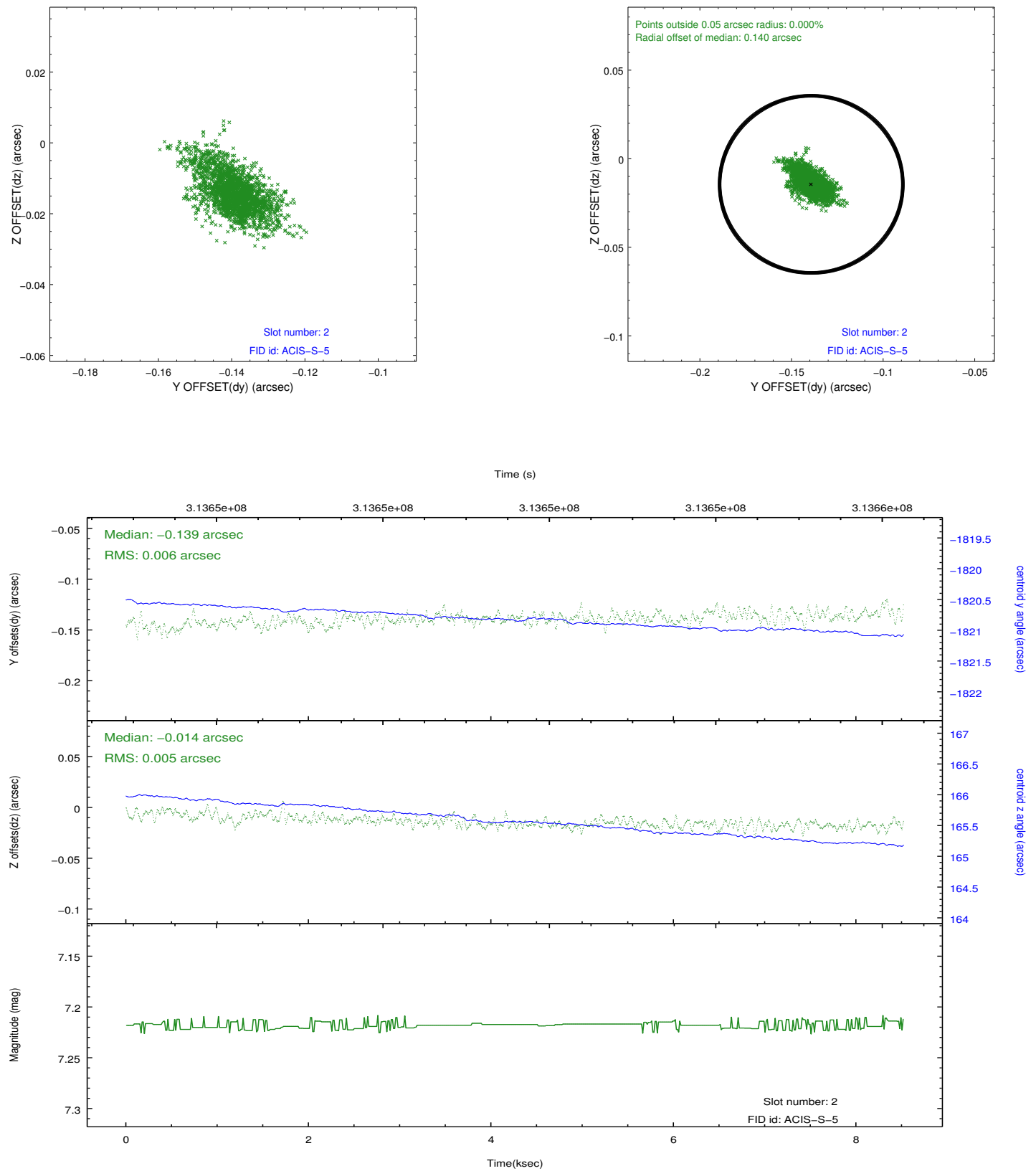
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.03210006

A.2 Comments

Observer-supplied coordinates are 16:17:42.80, +32:22:28.70. Source found at 16:17:42.54, +32:22:34.5.