

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7887 - L2 Version 2
Chandra X-Ray Center

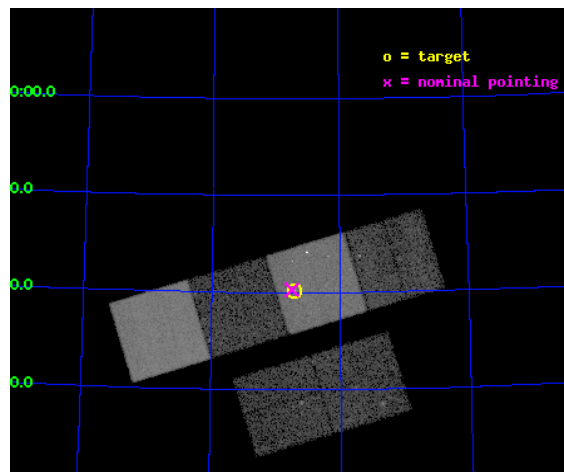
L2 Processing Date : Apr 25 2012

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1 Front

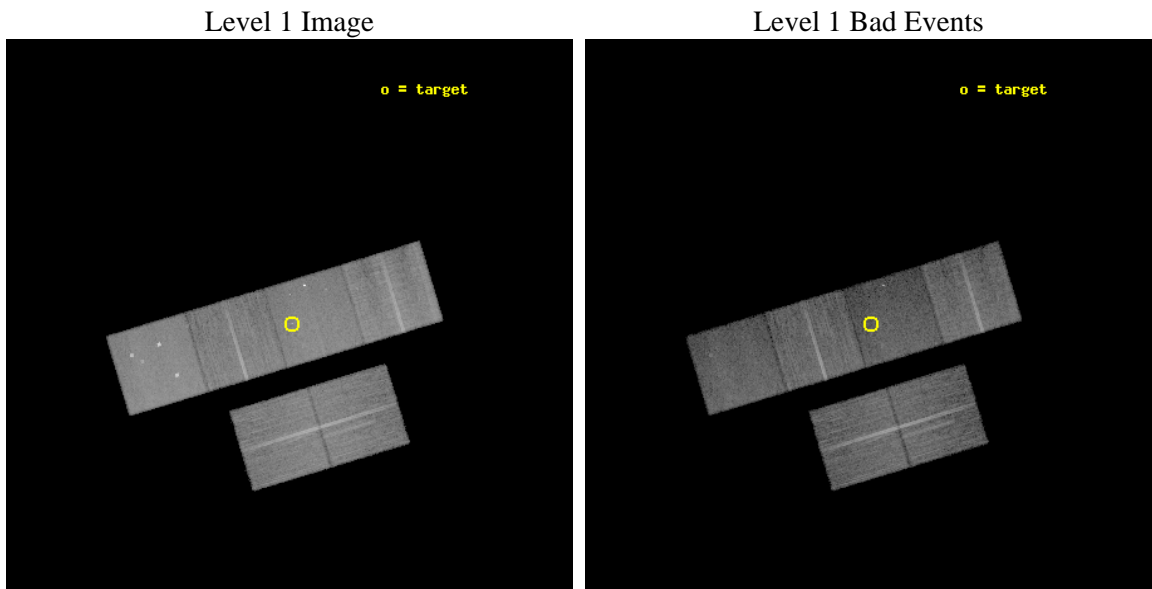
seq_num	701550	Sequence number
obs_id	7887	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	VII Zw 031	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.193333	Observer's specified target RA [deg]
dec_targ	79.670167	Observer's specified target Dec [deg]
ra_nom	79.219585921281	Nominal RA [deg]
dec_nom	79.671398338634	Nominal Dec [deg]
roll_nom	343.25412790479	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15171.199943542	Sum of GTIs [s]
livetime	14979.093074857	Livetime [s]
ontime2	15171.199943542	Sum of GTIs [s]
ontime3	15171.199943542	Sum of GTIs [s]
ontime5	15171.199943542	Sum of GTIs [s]
ontime6	15171.199943542	Sum of GTIs [s]
ontime7	15171.199943542	Sum of GTIs [s]
ontime8	15171.199943542	Sum of GTIs [s]
l2events	181778	Number of level 2 events



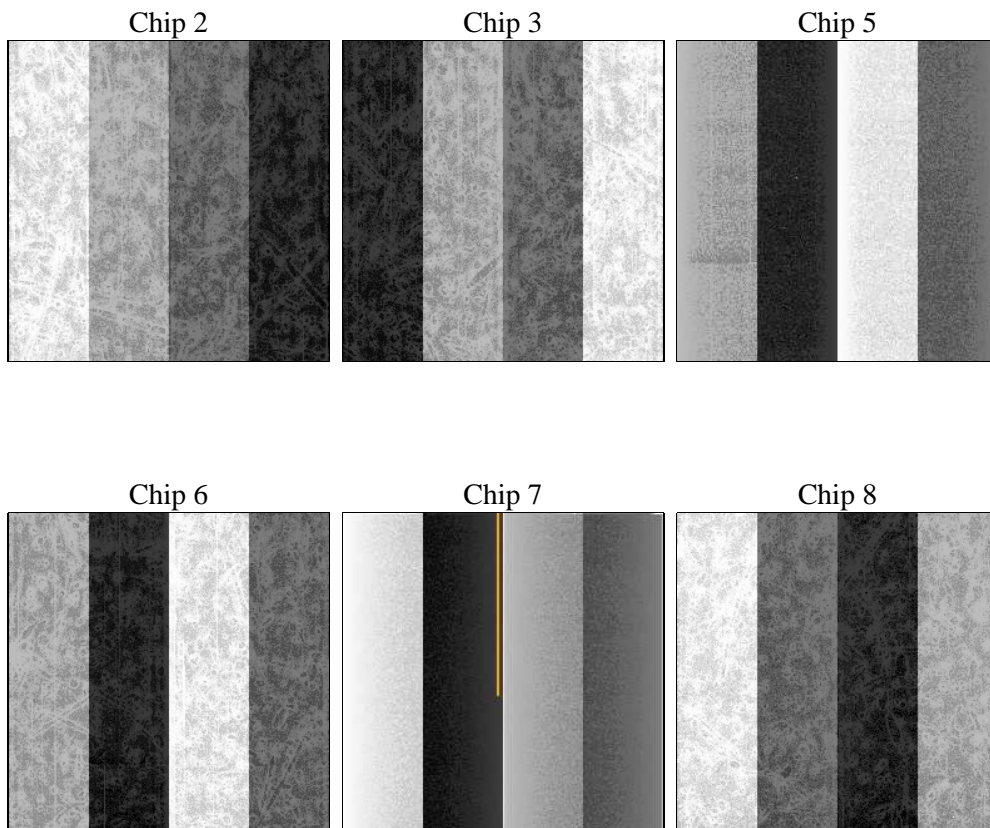
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15171.199943542	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15171.199943542	Sum of GTIs [s]
date	2012-04-25T09:36:38	Date and time of file creation	ontime3	15171.199943542	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15171.199943542	Sum of GTIs [s]
			ontime6	15171.199943542	Sum of GTIs [s]
			ontime7	15171.199943542	Sum of GTIs [s]
			ontime8	15171.199943542	Sum of GTIs [s]
			l1events	832977	Number of level 1 events

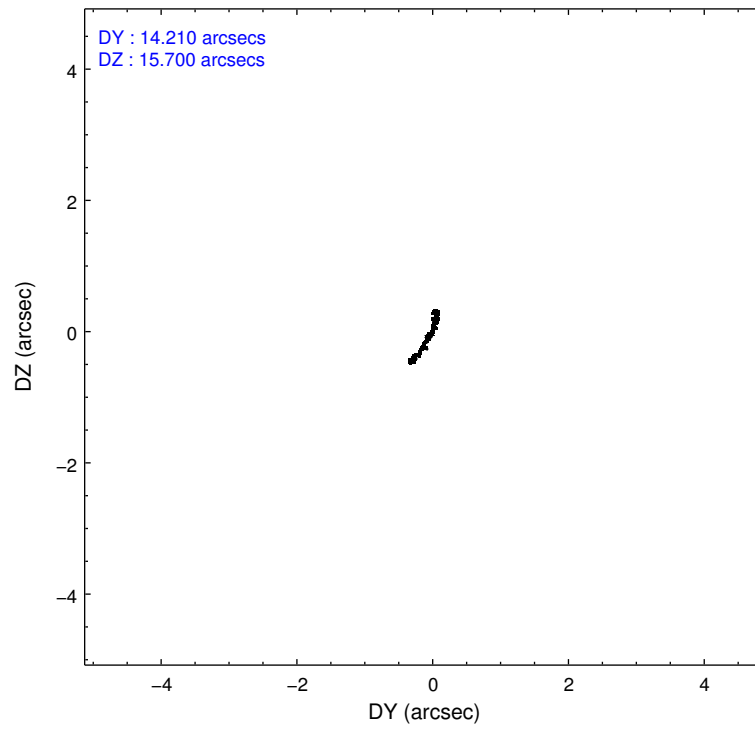
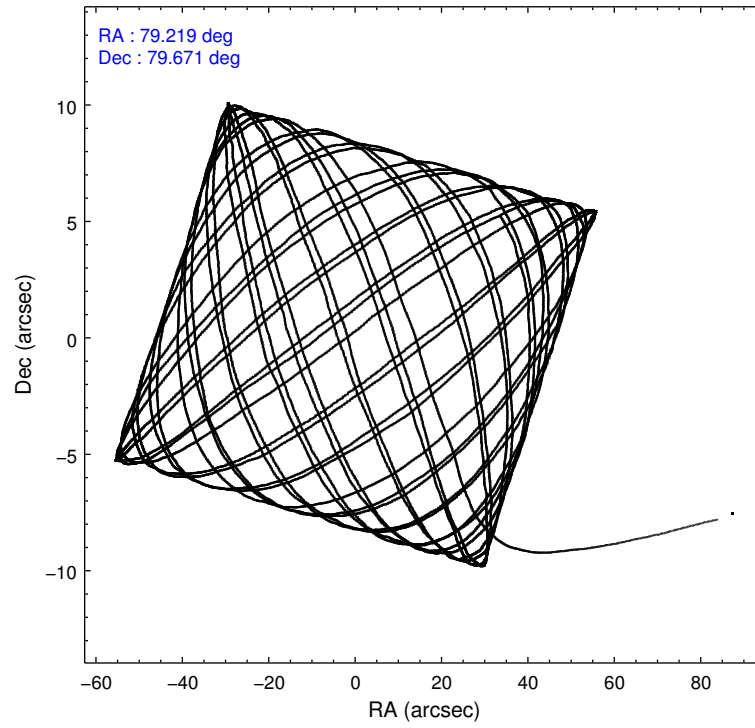
2.1.4 Events

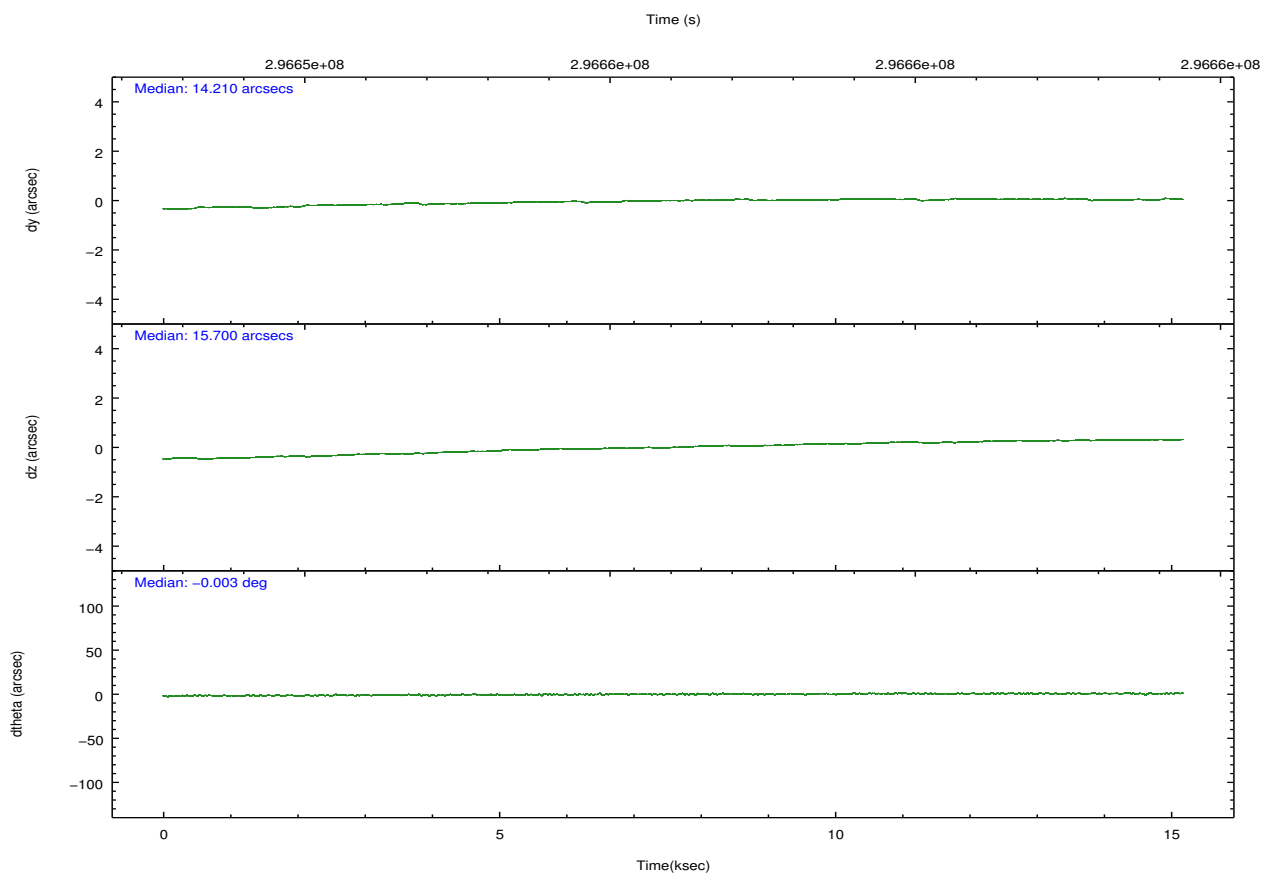
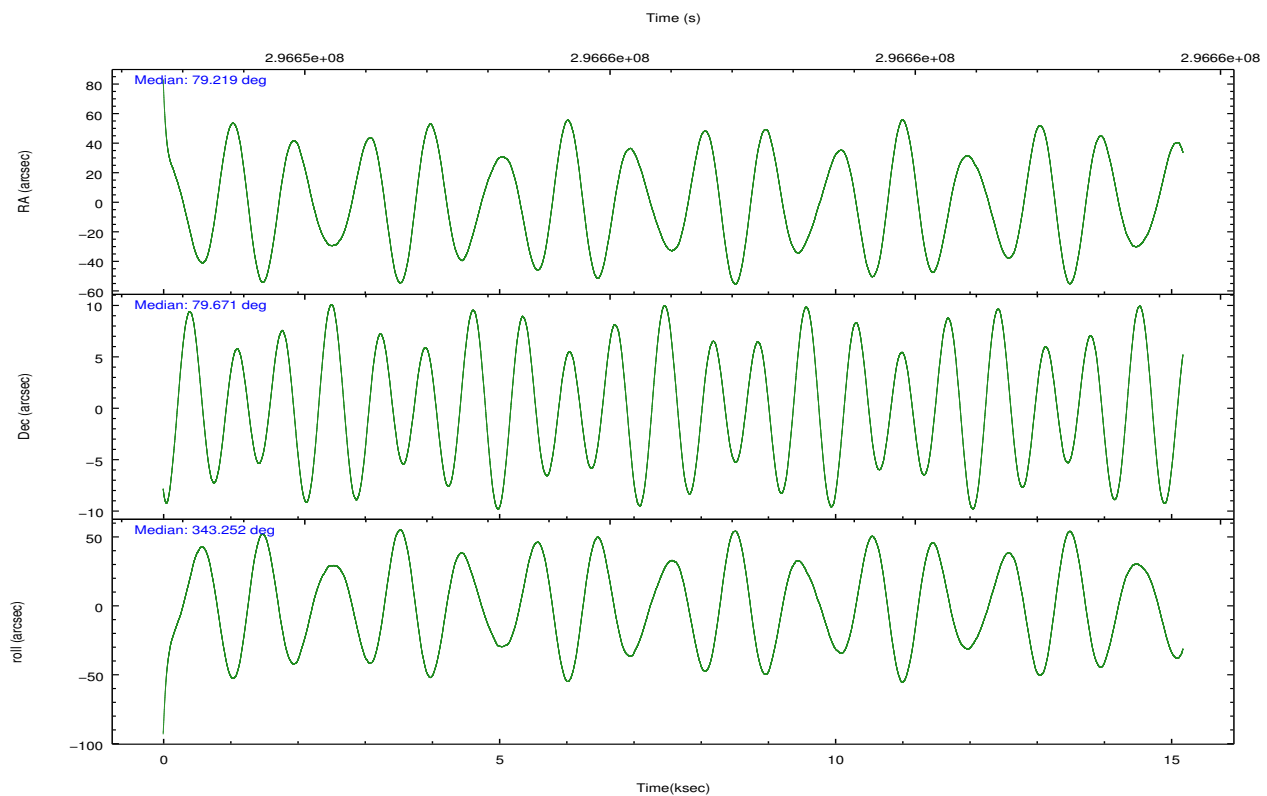
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	127998	119326	169838	123831	139148	152836	grade 0 events	4259	4128	11789	4371	7197	11035
rejected events	116340	108070	84338	111496	73759	116820		3%	3%	6%	3%	5%	7%
rejected %	90%	90%	49%	90%	53%	76%	grade 1 events	75	62	299	63	233	100
								0%	0%	0%	0%	0%	0%
							grade 2 events	2849	2438	25142	2761	13600	8293
								2%	2%	14%	2%	9%	5%
							grade 3 events	1209	1260	3269	1327	6174	3908
								0%	1%	1%	1%	4%	2%
							grade 4 events	1347	1290	3279	1331	6220	3593
								1%	1%	1%	1%	4%	2%
							grade 5 events	4022	4701	13000	4926	14502	6815
								3%	3%	7%	3%	10%	4%
							grade 6 events	2162	2298	43247	2706	33069	9616
								1%	1%	25%	2%	23%	6%
							grade 7 events	112075	103149	69813	106346	58153	109476
								87%	86%	41%	85%	41%	71%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	79.071649	79.21958592128108	CCD I2 on	O1	Y
[deg] Pointing Dec	79.664754	79.67139833863389	CCD I3 on	O2	Y
[deg] Pointing Roll	343.243047	343.2541279047867	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	296648617.184000	296647442.75692	CCD S5 on	N	N
Observation start date	2007-05-27T10:22:32	2007-05-27T10:04:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	296663617.184000	296664990.75776	On-chip summing requested	N	N
Observation end date	2007-05-27T14:32:32	2007-05-27T14:56:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



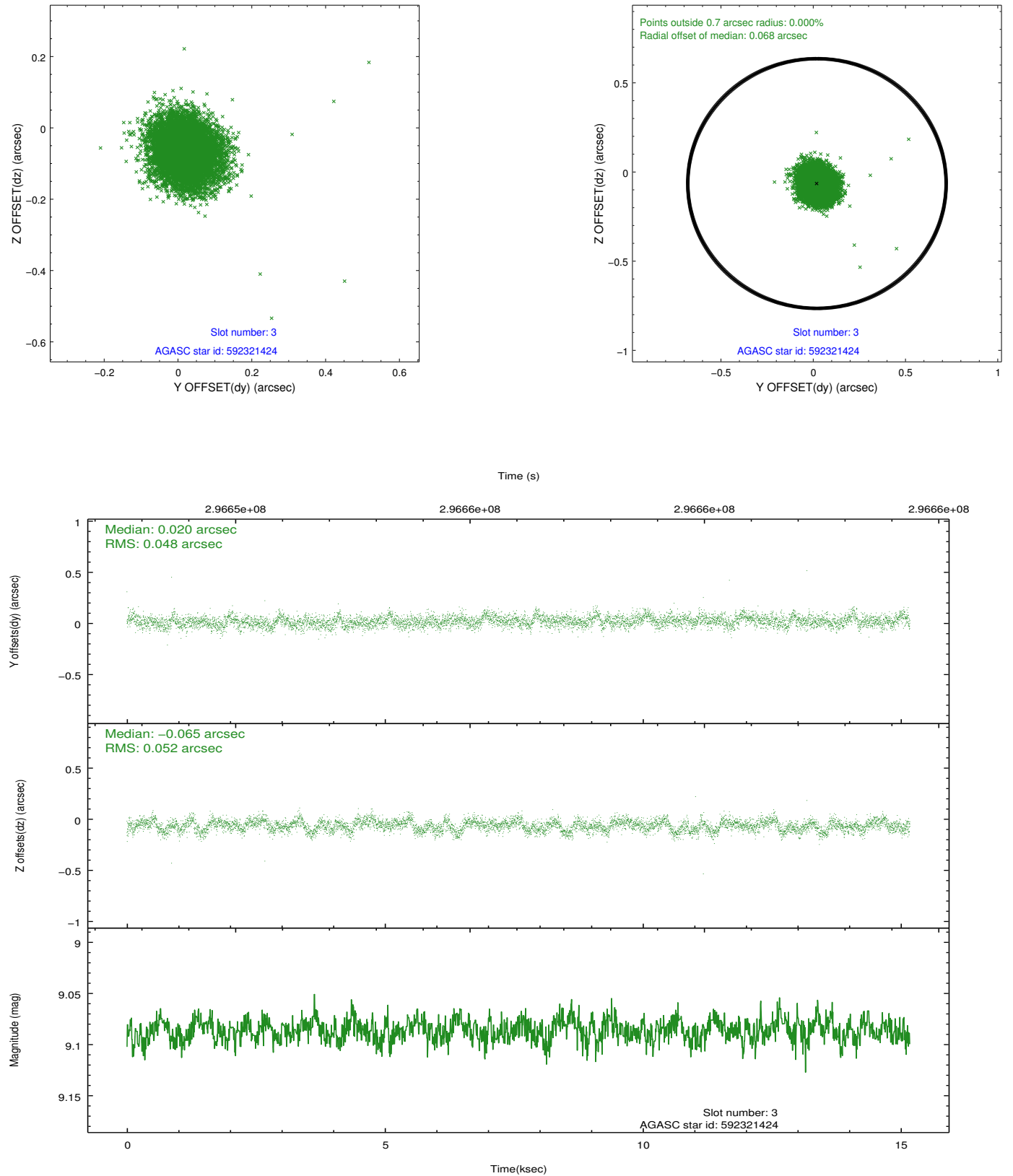


Slot Statistics

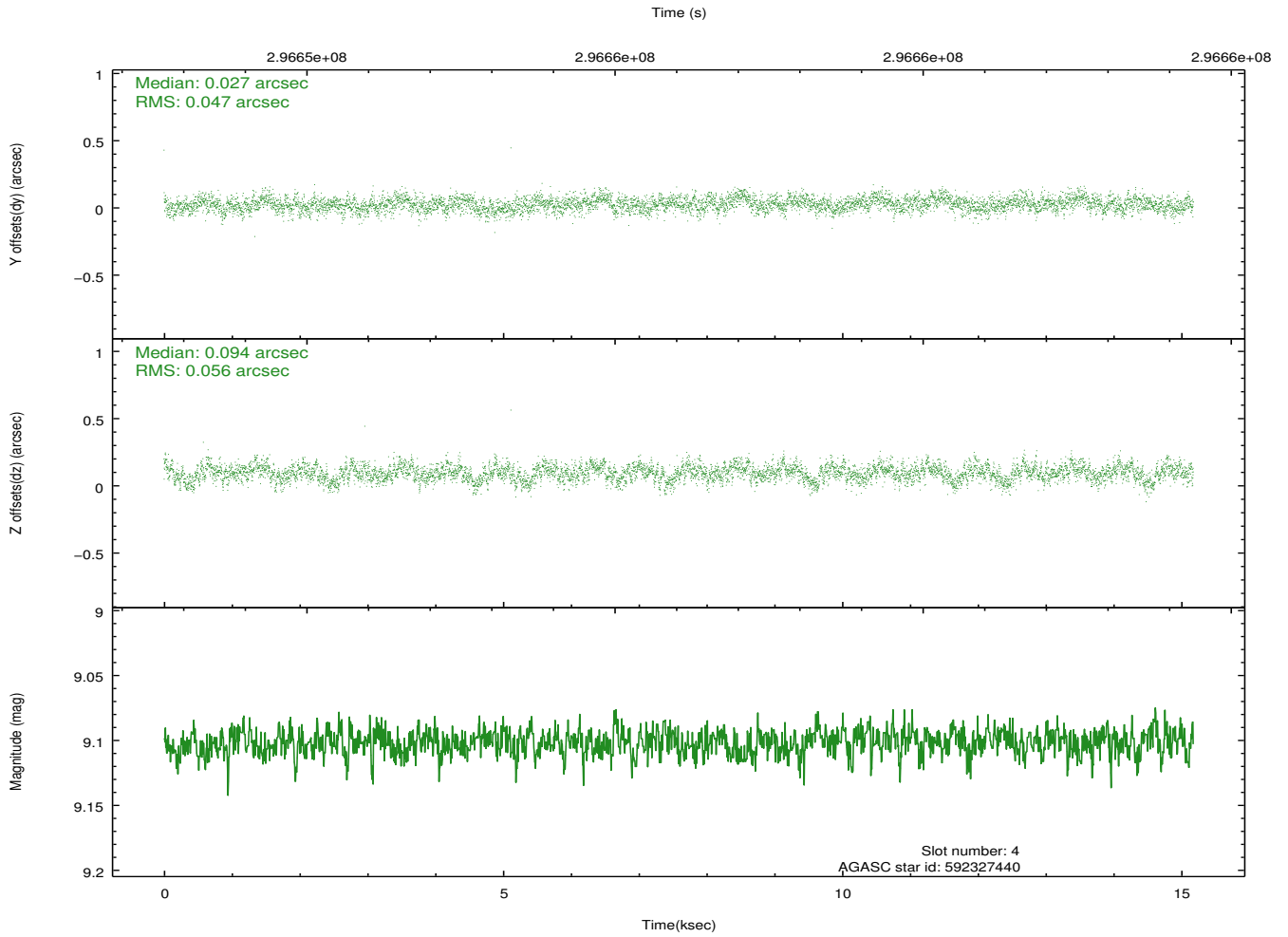
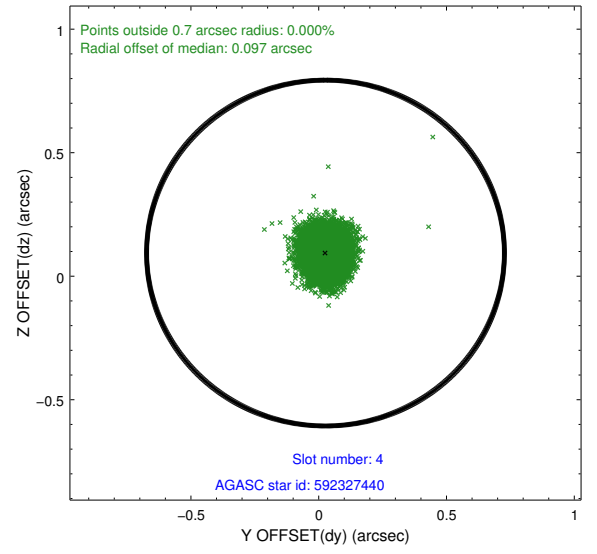
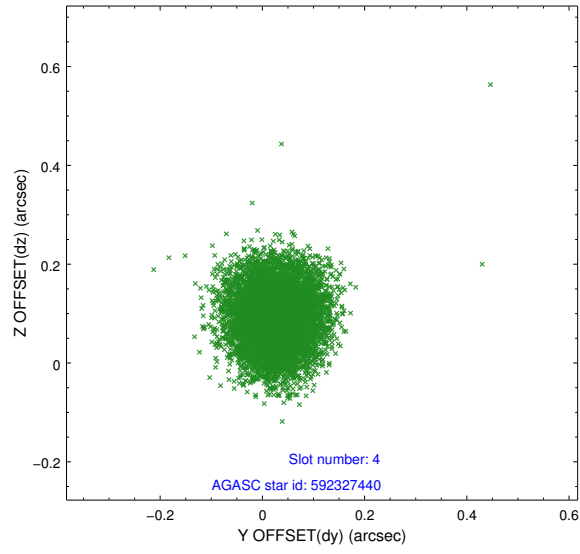
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3702	-0.114	-0.078	0.010	0.018	0.000000	0.000000	-767.24	-1737.09
1	FID	ACIS-S-4	7.19	3702	0.127	0.056	0.008	0.013	0.000000	0.000000	2146.17	171.17
2	FID	ACIS-S-6	7.33	3702	-0.041	0.031	0.008	0.014	0.000000	0.000000	395.23	808.91
3	GUIDE	592321424	9.09	7396	0.020	-0.065	0.074	0.119	76.192479	79.913545	-2008.17	377.04
4	GUIDE	592327440	9.10	7403	0.027	0.094	0.077	0.124	76.273042	79.602274	-1688.05	-697.64
5	GUIDE	594026576	8.65	7396	0.057	0.015	0.058	0.096	80.522041	79.273883	1332.78	-1055.49
6	GUIDE	592320096	8.54	7399	-0.009	-0.033	0.056	0.092	77.248971	79.924205	-1373.21	580.69
7	GUIDE	594029088	8.31	7401	-0.097	-0.006	0.069	0.111	82.062549	79.191510	2408.78	-999.42

2.4 Star Slots

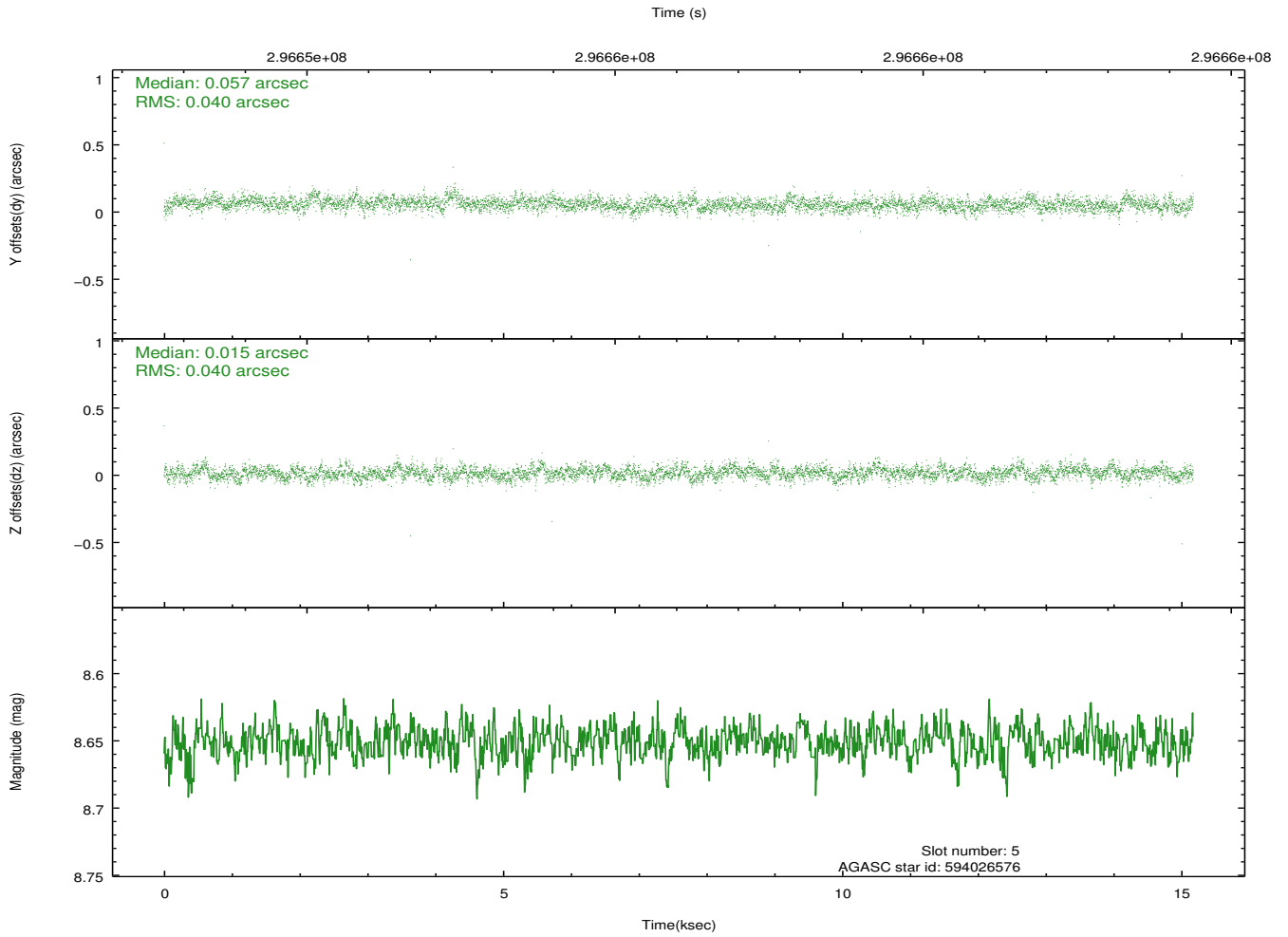
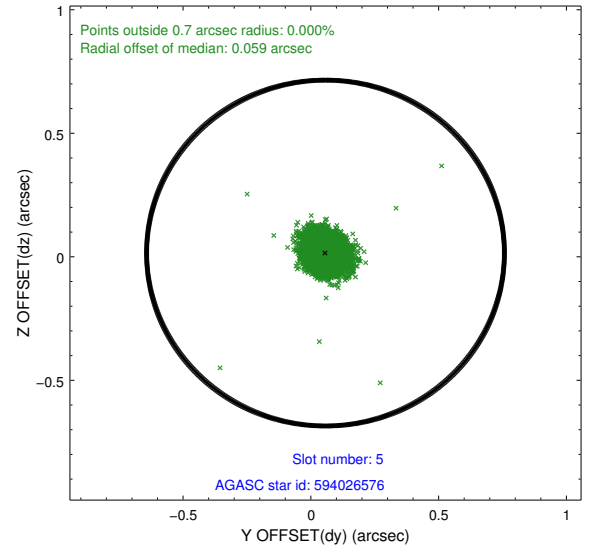
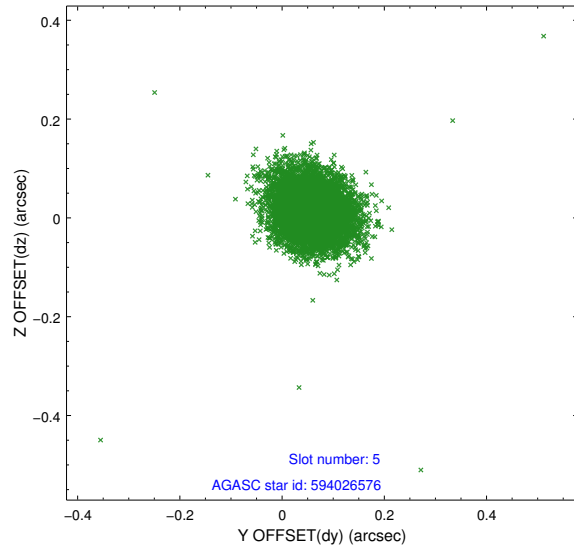
2.4.1 Slot 3



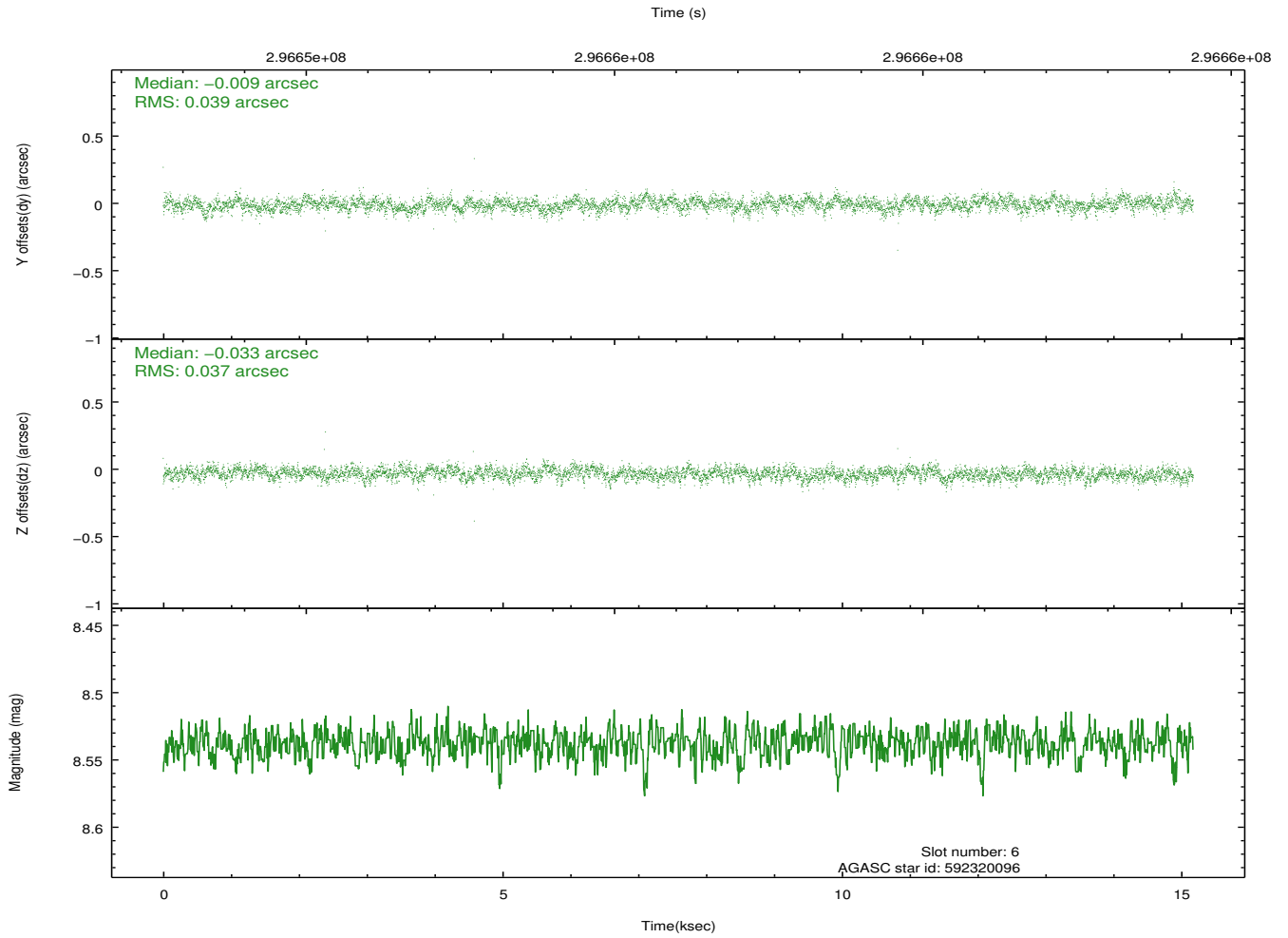
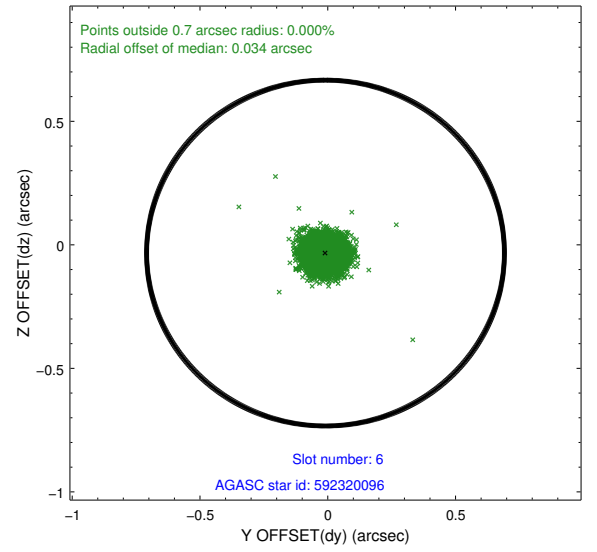
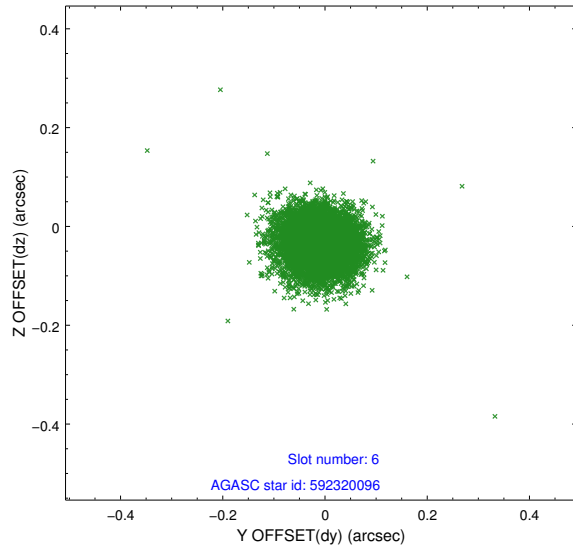
2.4.2 Slot 4



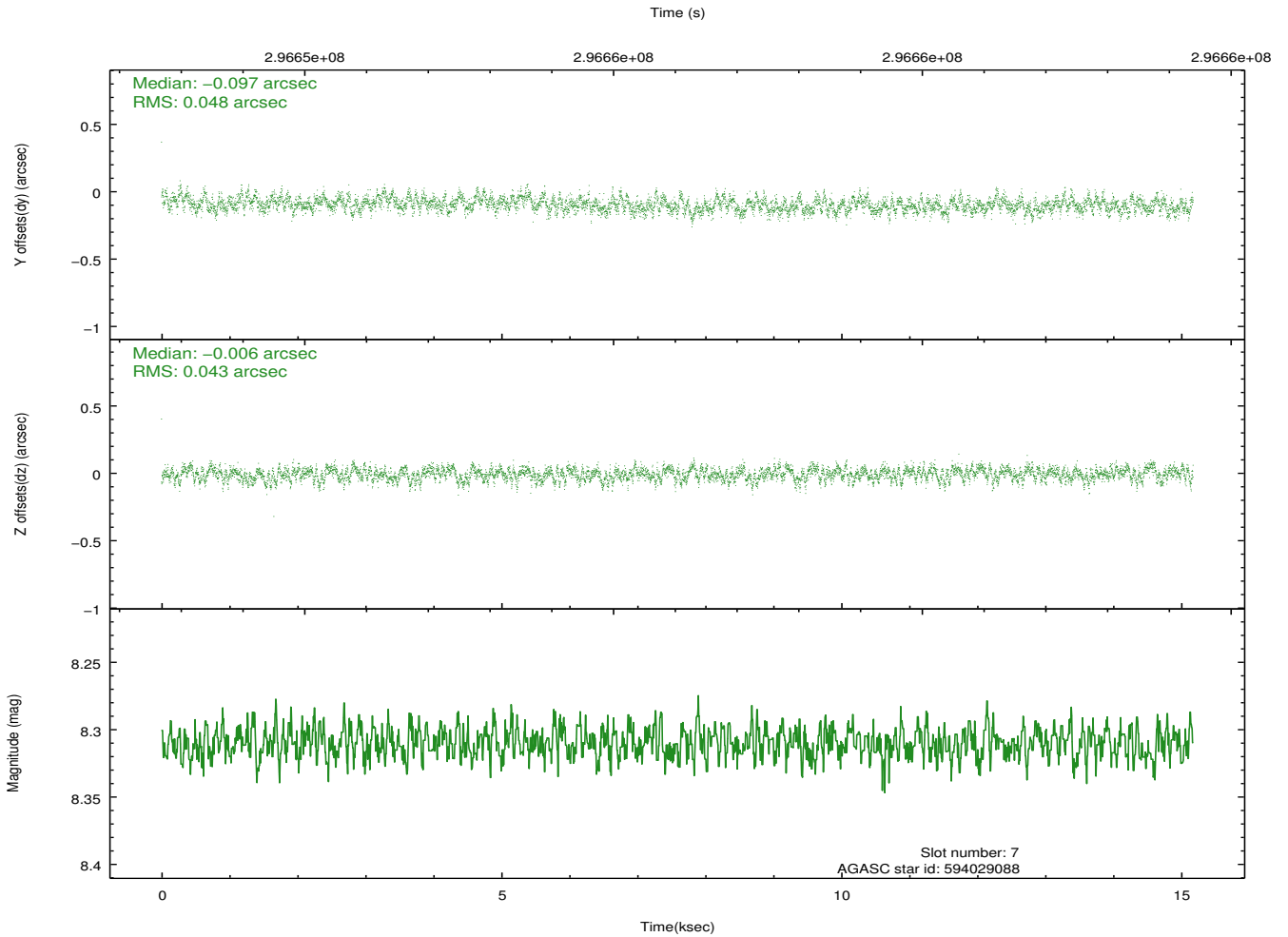
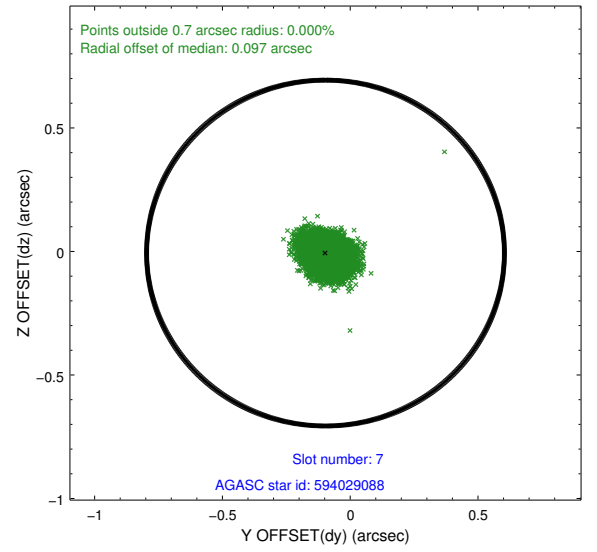
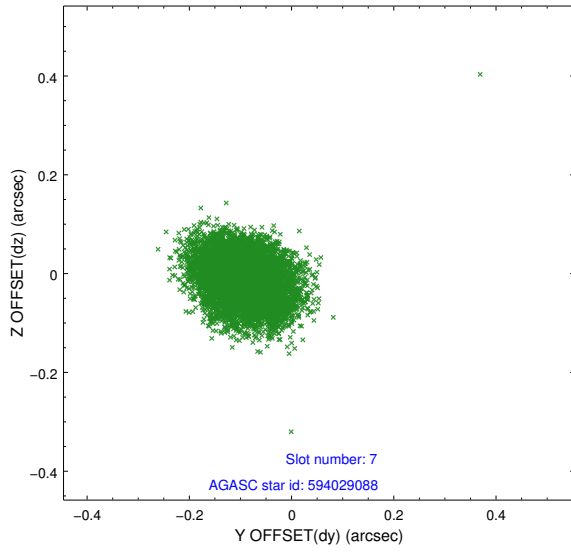
2.4.3 Slot 5



2.4.4 Slot 6

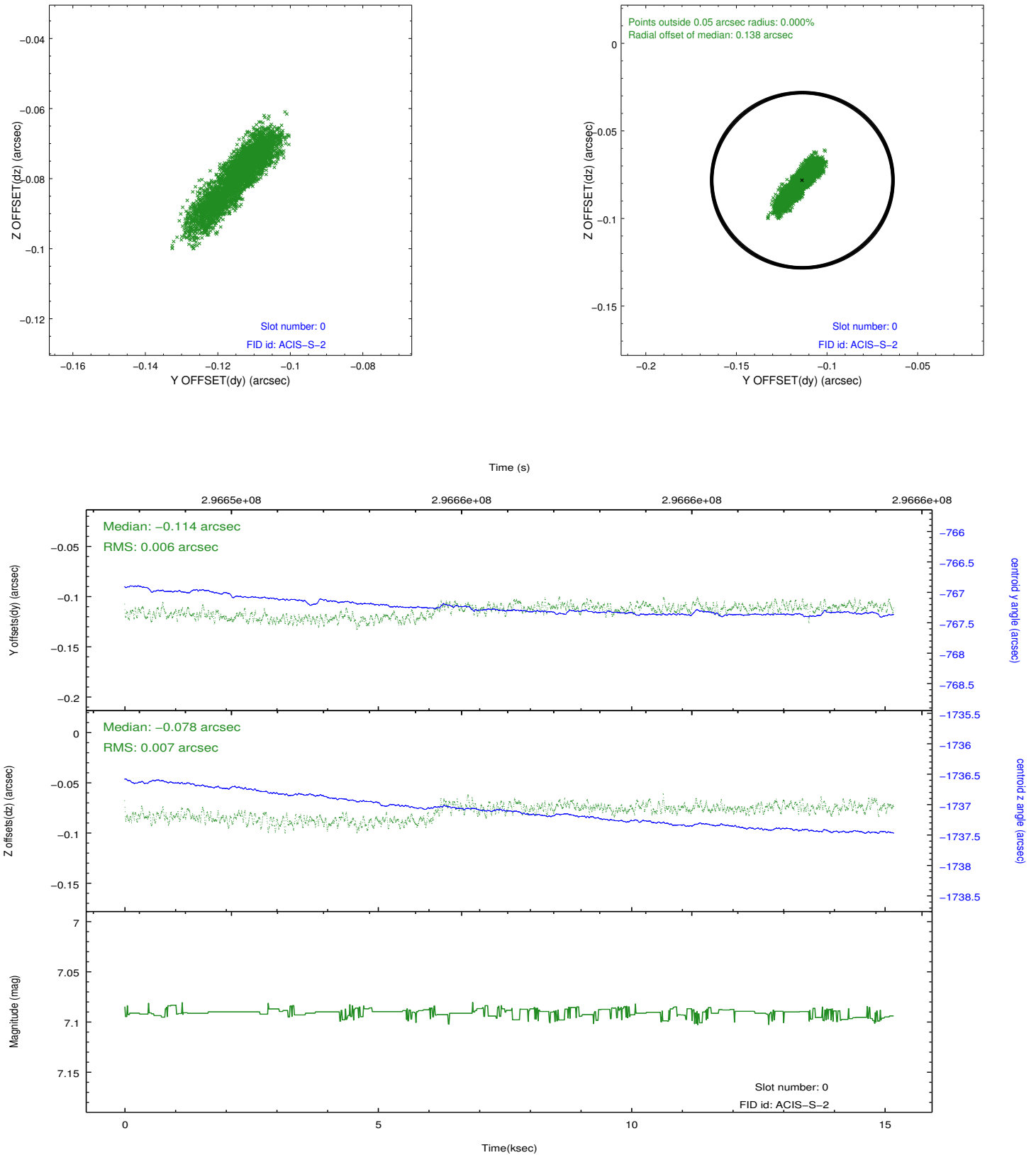


2.4.5 Slot 7

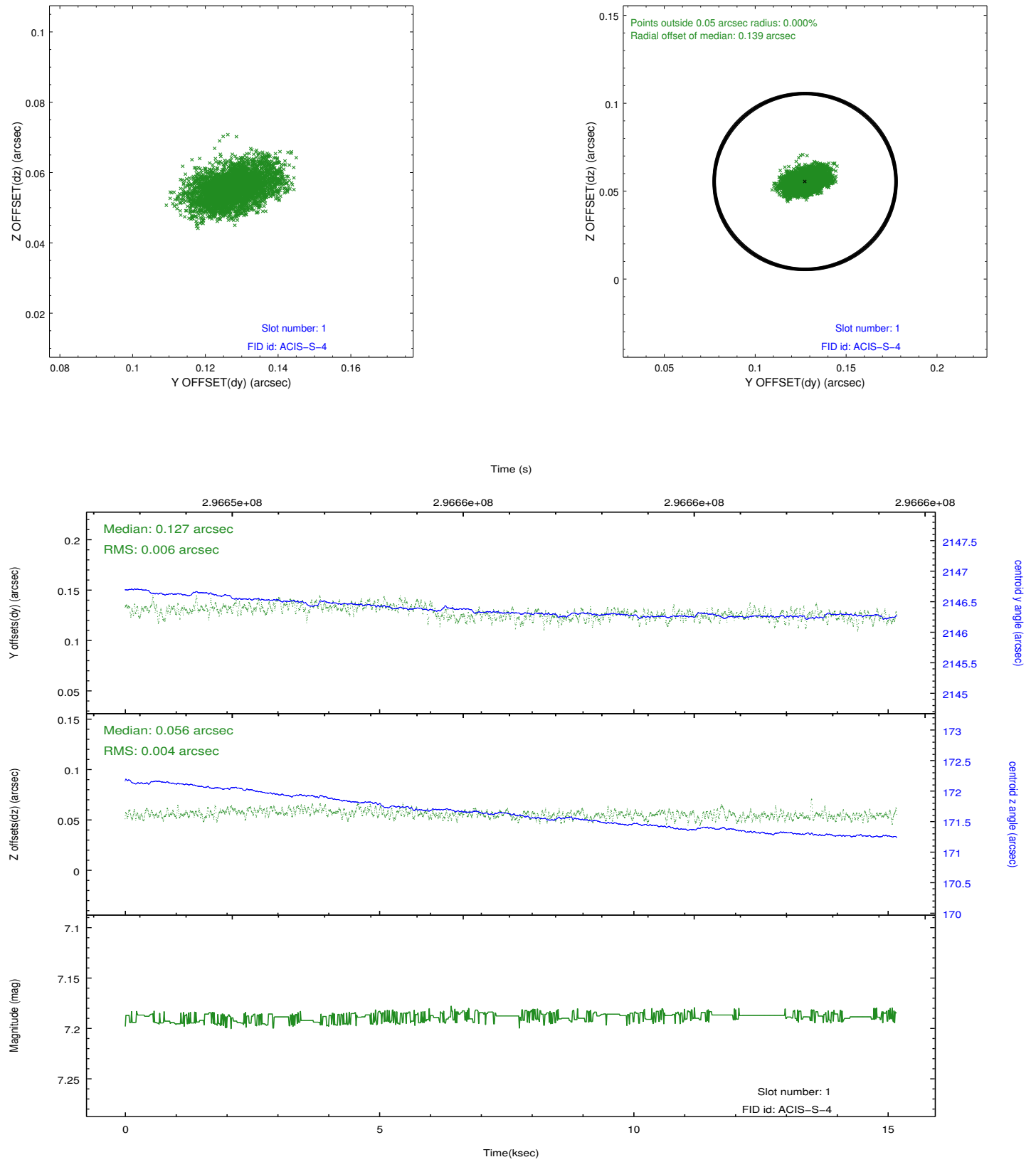


2.5 FID Slots

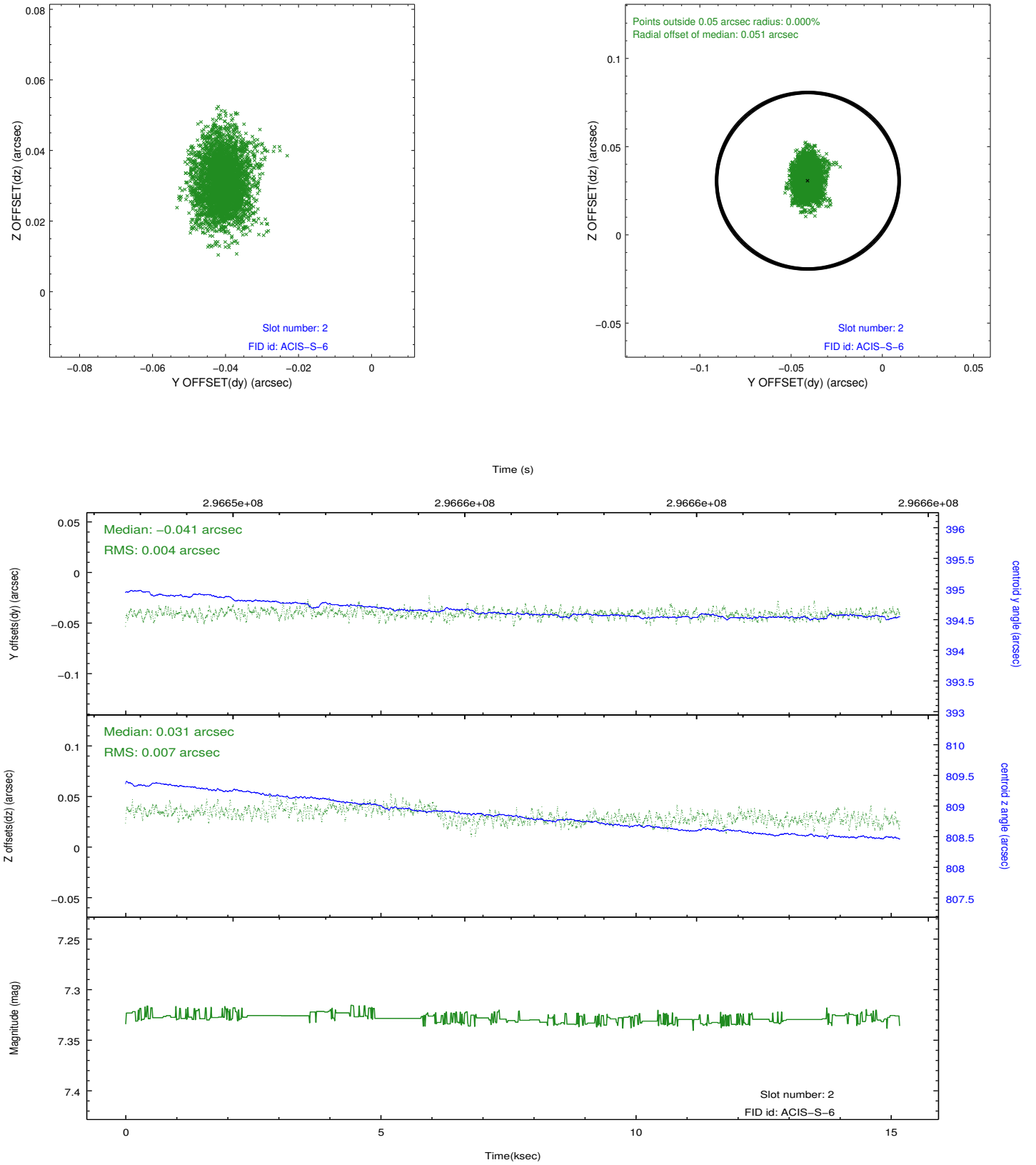
2.5.1 Slot 0



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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.1711999

A.2 Comments