

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9096 - L2 Version 2
Chandra X-Ray Center

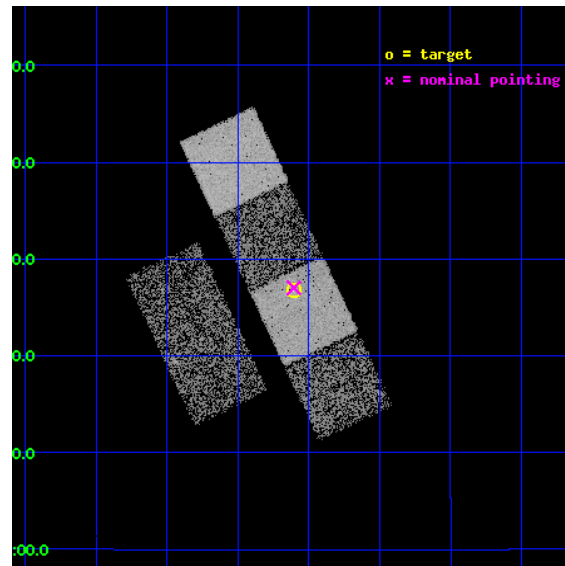
L2 Processing Date : May 7 2012

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1 Front

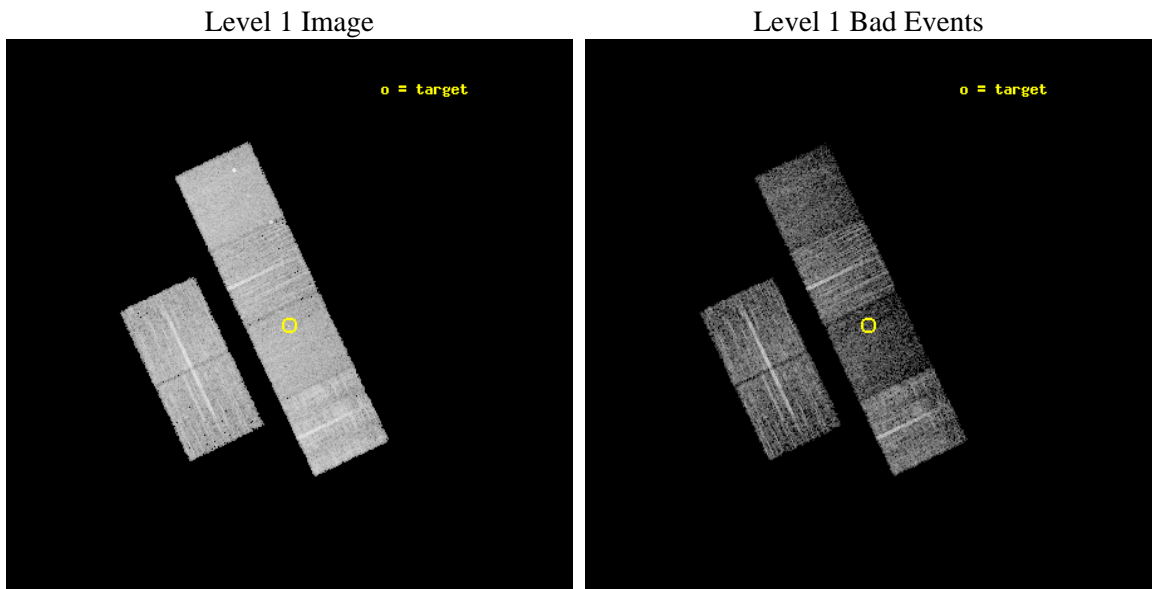
seq_num	500959	Sequence number
obs_id	9096	Observation id
title	Chandra Observations of Young, Energetic Supernovae	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2005ip	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	143.026667	Observer's specified target RA [deg]
dec_targ	8.445667	Observer's specified target Dec [deg]
ra_nom	143.02617396448	Nominal RA [deg]
dec_nom	8.4505294841047	Nominal Dec [deg]
roll_nom	64.662047991939	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4757.7523752451	Sum of GTIs [s]
livetime	4697.5068498952	Livetime [s]
ontime2	4754.5524349809	Sum of GTIs [s]
ontime3	4757.6292552352	Sum of GTIs [s]
ontime5	4757.7113352418	Sum of GTIs [s]
ontime6	4754.4293249249	Sum of GTIs [s]
ontime7	4757.7523752451	Sum of GTIs [s]
ontime8	4751.1062647104	Sum of GTIs [s]
l2events	56480	Number of level 2 events



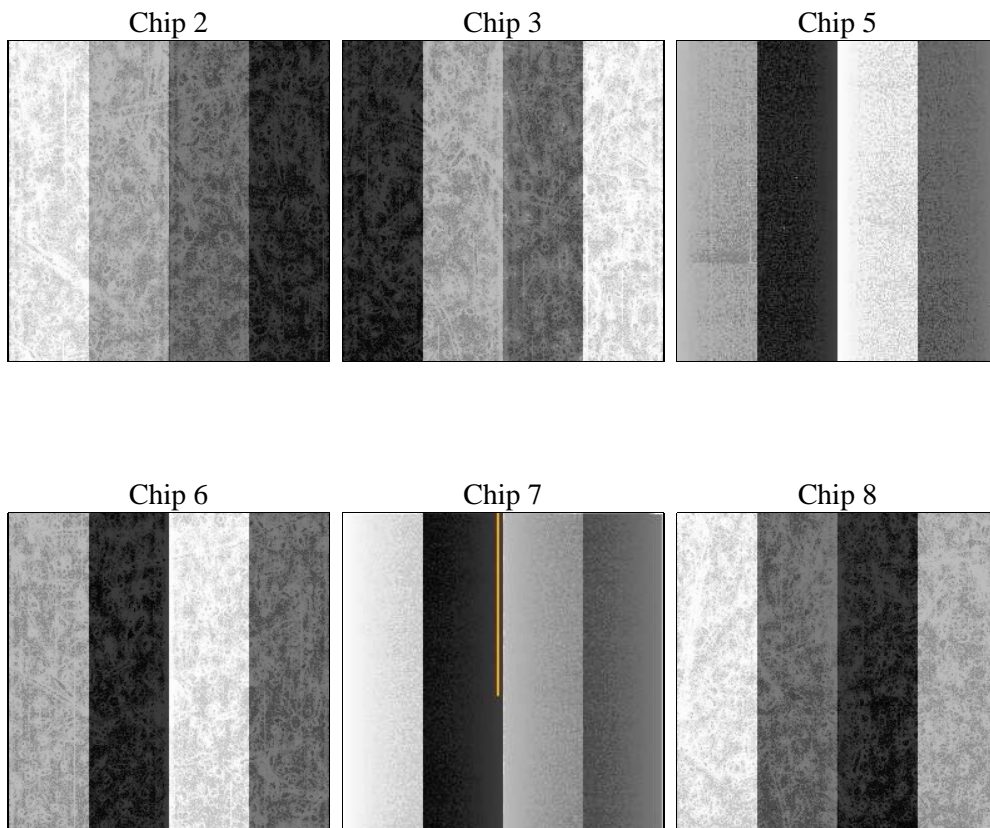
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.979000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4757.7523752451	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	4754.5524349809	Sum of GTIs [s]
date	2012-05-07T14:33:35	Date and time of file creation	ontime3	4757.6292552352	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4757.7113352418	Sum of GTIs [s]
			ontime6	4754.4293249249	Sum of GTIs [s]
			ontime7	4757.7523752451	Sum of GTIs [s]
			ontime8	4751.1062647104	Sum of GTIs [s]
			l1events	250989	Number of level 1 events

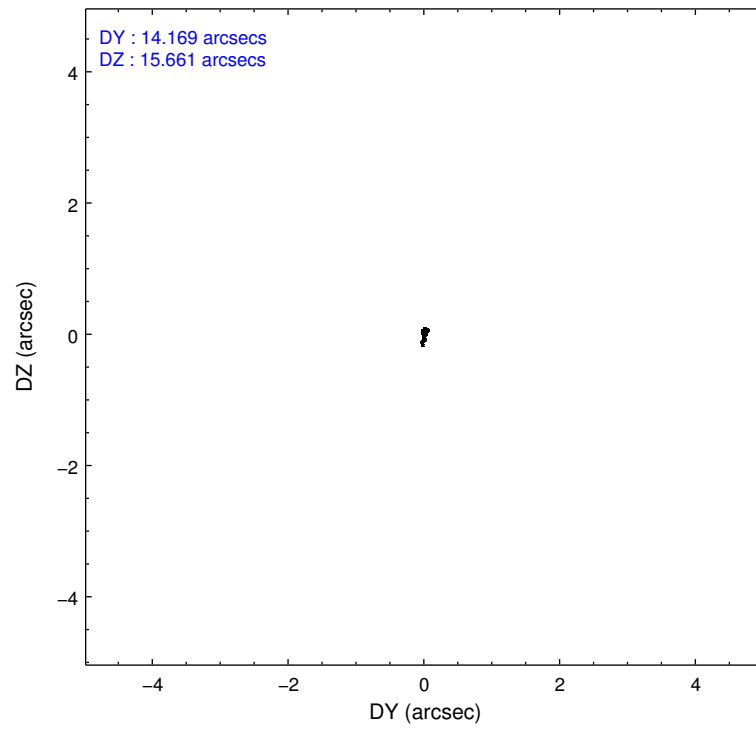
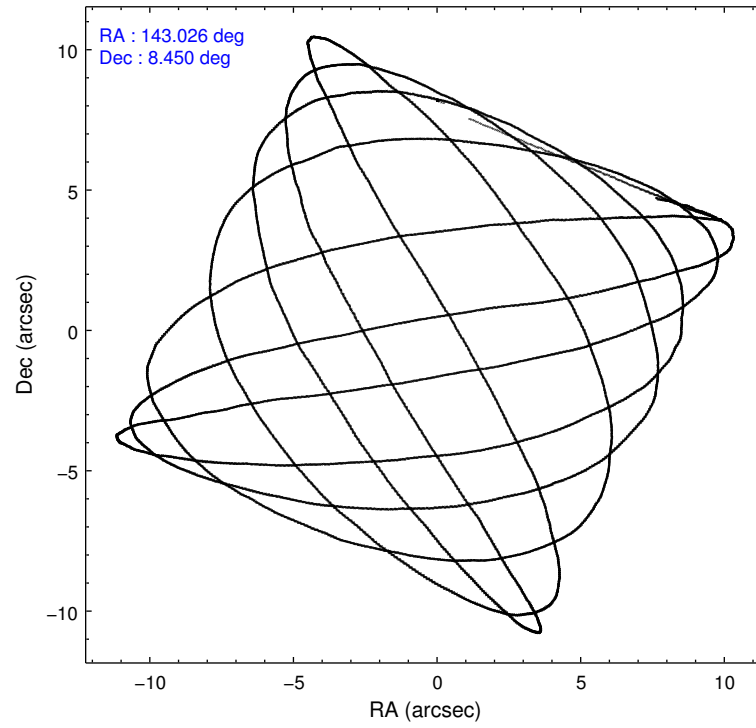
2.1.4 Events

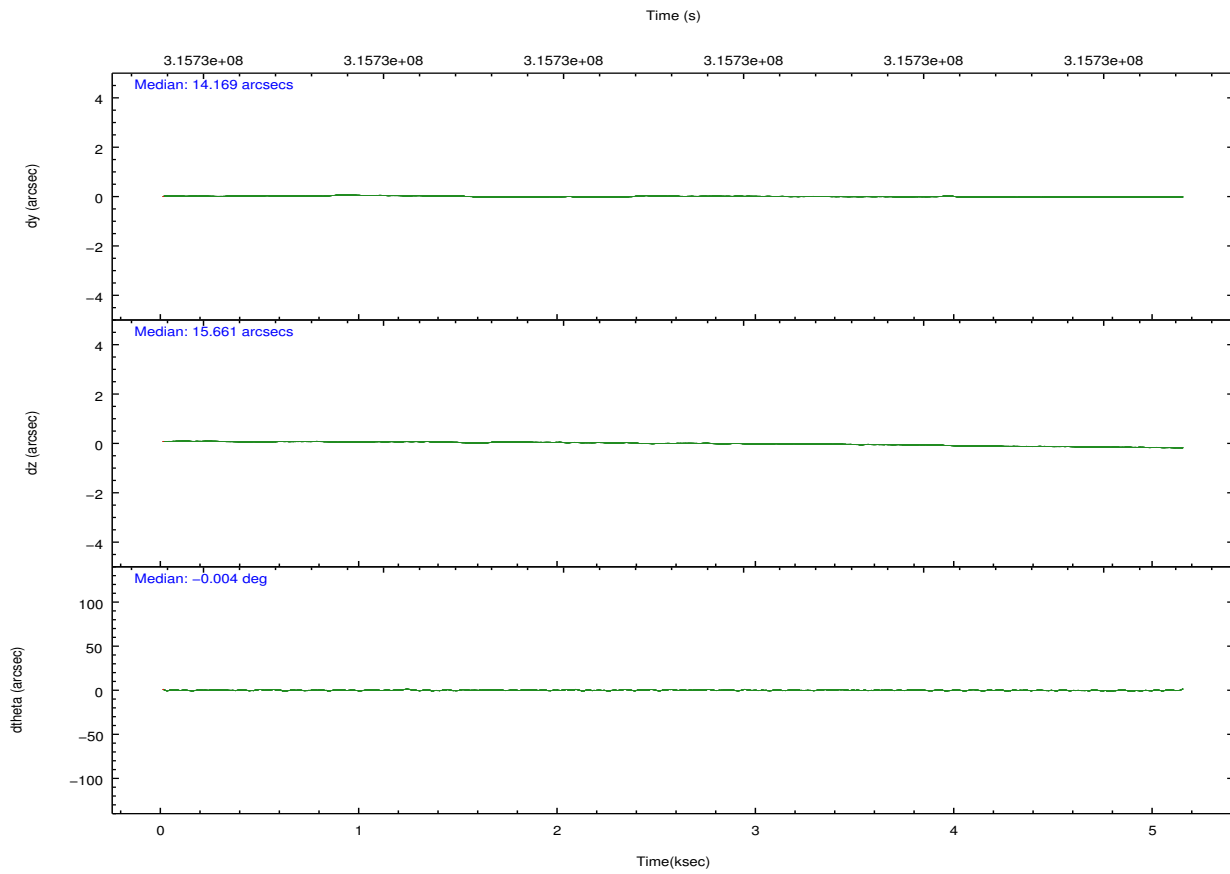
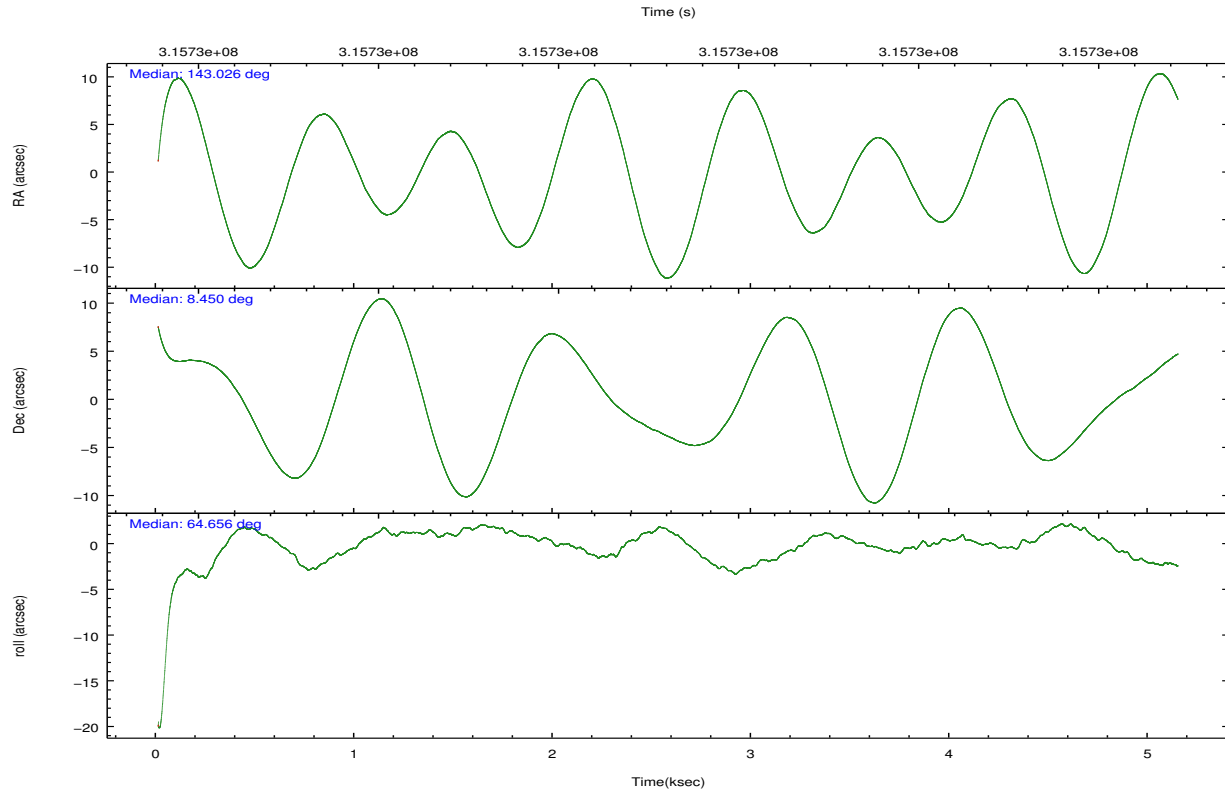
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40793	36304	47238	39506	36812	50336	grade 0 events	1588	1544	2535	1794	1948	3276
rejected events	36818	32578	21931	35171	17812	38907		3%	4%	5%	4%	5%	6%
rejected %	90%	89%	46%	89%	48%	77%	grade 1 events	23	20	147	16	65	52
								0%	0%	0%	0%	0%	0%
							grade 2 events	895	743	7629	904	3857	2712
								2%	2%	16%	2%	10%	5%
							grade 3 events	395	399	1141	416	1808	1228
								0%	1%	2%	1%	4%	2%
							grade 4 events	435	419	1049	409	1796	1018
								1%	1%	2%	1%	4%	2%
							grade 5 events	1055	1220	3717	1192	3831	1824
								2%	3%	7%	3%	10%	3%
							grade 6 events	669	625	12971	815	9607	3232
								1%	1%	27%	2%	26%	6%
							grade 7 events	35733	31334	18049	33960	13900	36994
								87%	86%	38%	85%	37%	73%

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	143.028748	143.0261739644769	CCD I2 on	O1	Y
[deg] Pointing Dec	8.423274	8.450529484104655	CCD I3 on	O2	Y
[deg] Pointing Roll	64.505083	64.66204799193852	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	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	Y	Y
[s] Observation start time (MET)	315728188.184000	315727084.77479	CCD S5 on	N	N
Observation start date	2008-01-03T06:15:23	2008-01-03T05:58:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315733189.184000	315733411.07509	On-chip summing requested	N	N
Observation end date	2008-01-03T07:38:44	2008-01-03T07:43:31	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



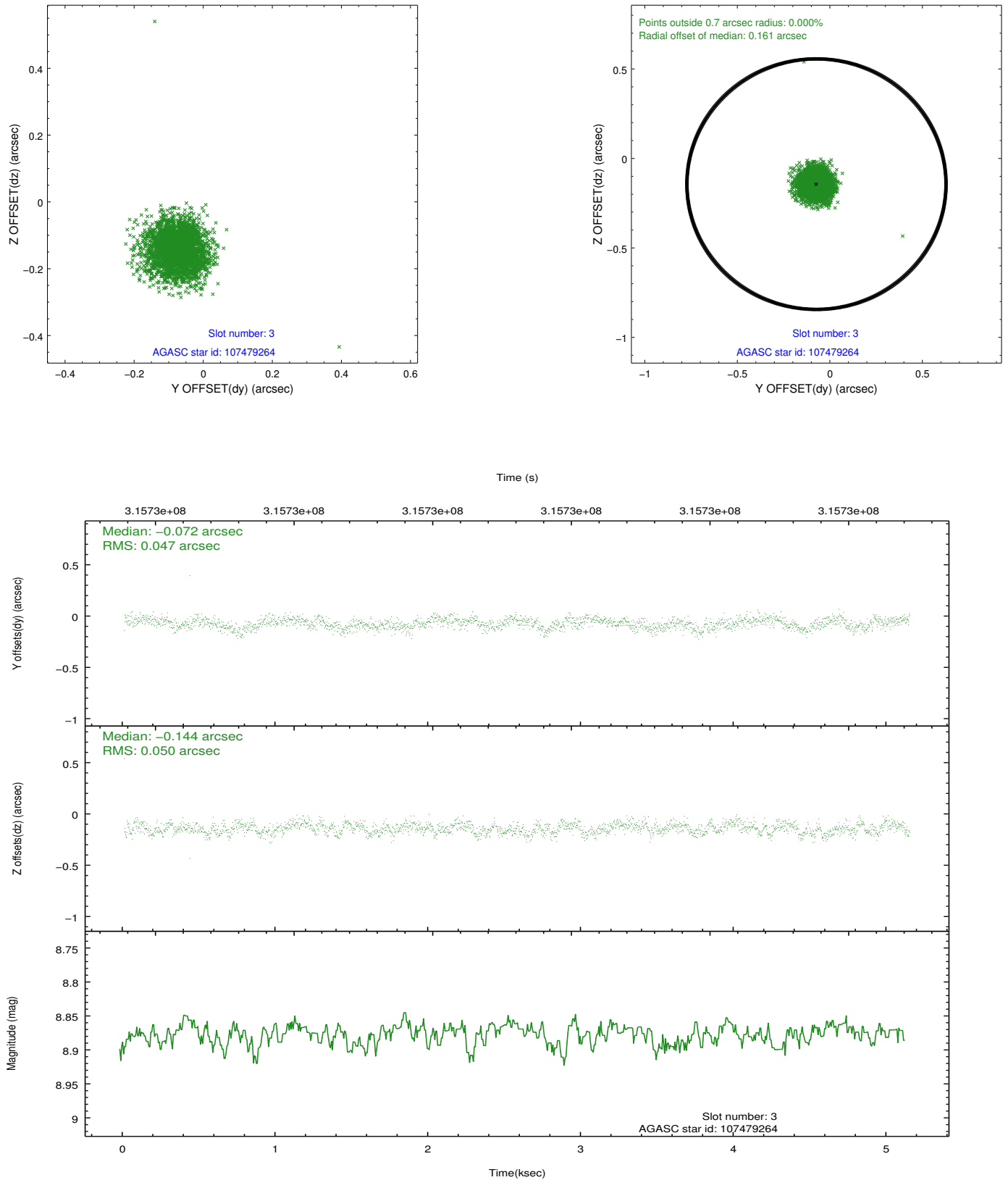


Slot Statistics

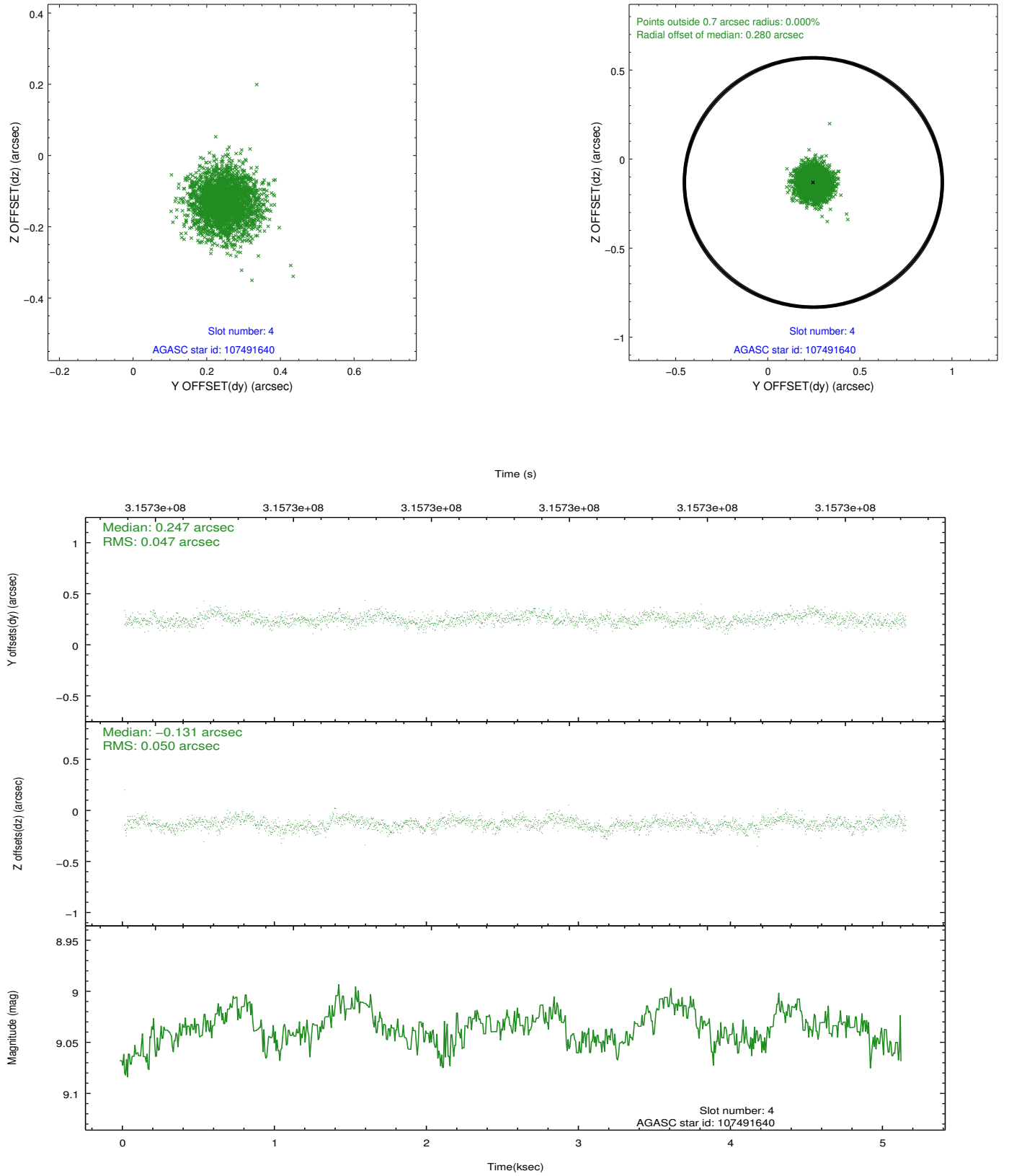
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1255	-0.074	-0.021	0.006	0.011	0.000000	0.000000	-767.18	-1737.02
1	FID	ACIS-S-4	7.19	1255	0.194	0.041	0.006	0.010	0.000000	0.000000	2145.81	170.33
2	FID	ACIS-S-5	7.22	1254	-0.151	-0.012	0.006	0.012	0.000000	0.000000	-1818.60	165.25
3	GUIDE	107479264	8.88	2493	-0.072	-0.144	0.072	0.114	142.772854	8.692324	482.43	1239.17
4	GUIDE	107491640	9.04	2507	0.247	-0.131	0.073	0.118	142.816148	8.056486	-1517.36	116.33
5	GUIDE	107623072	9.23	2505	0.257	0.088	0.089	0.148	143.239017	8.173662	-488.92	-1062.50
6	GUIDE	107480352	8.72	2507	-0.172	-0.041	0.082	0.133	142.973130	9.188648	2401.56	1364.52
7	GUIDE	107621176	6.39	2508	-0.255	0.225	0.052	0.080	143.672756	8.187455	224.22	-2434.91

2.4 Star Slots

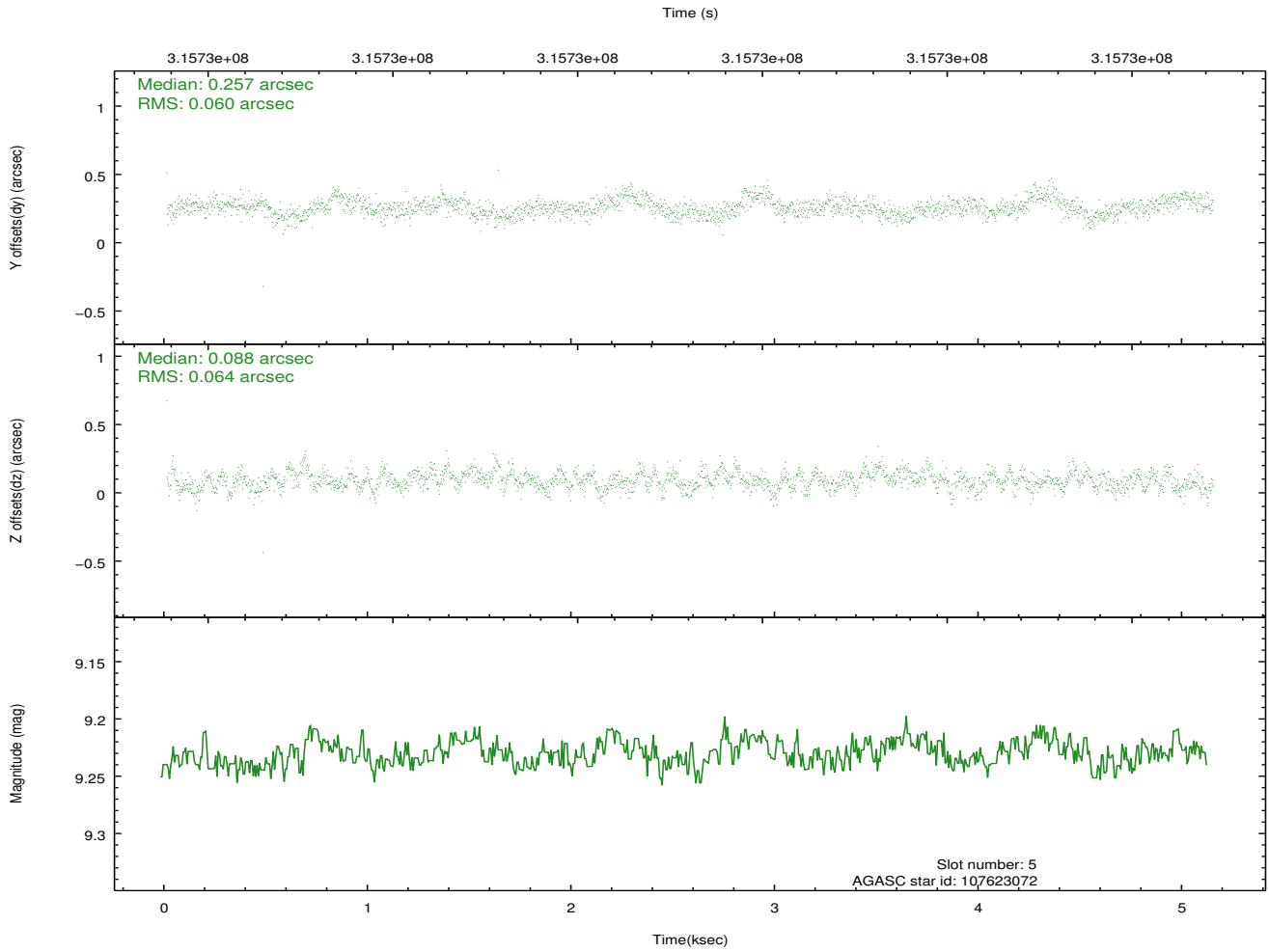
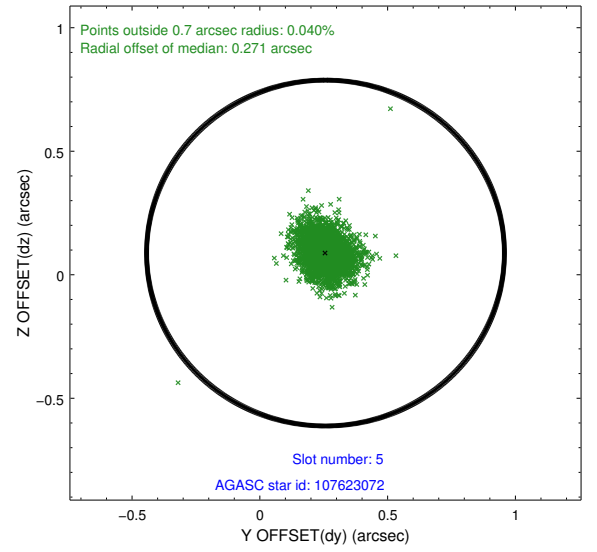
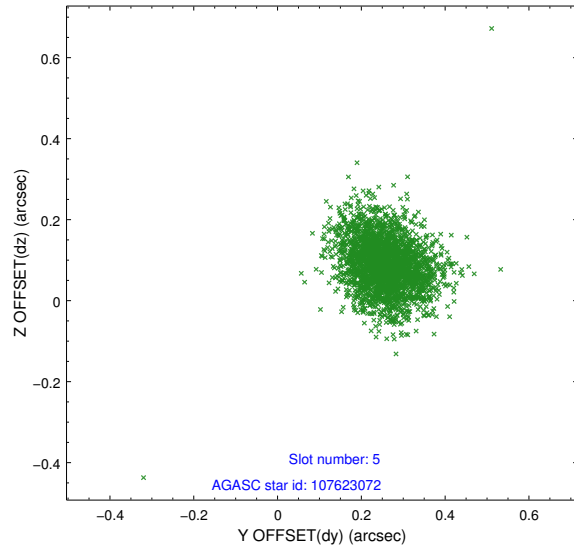
2.4.1 Slot 3



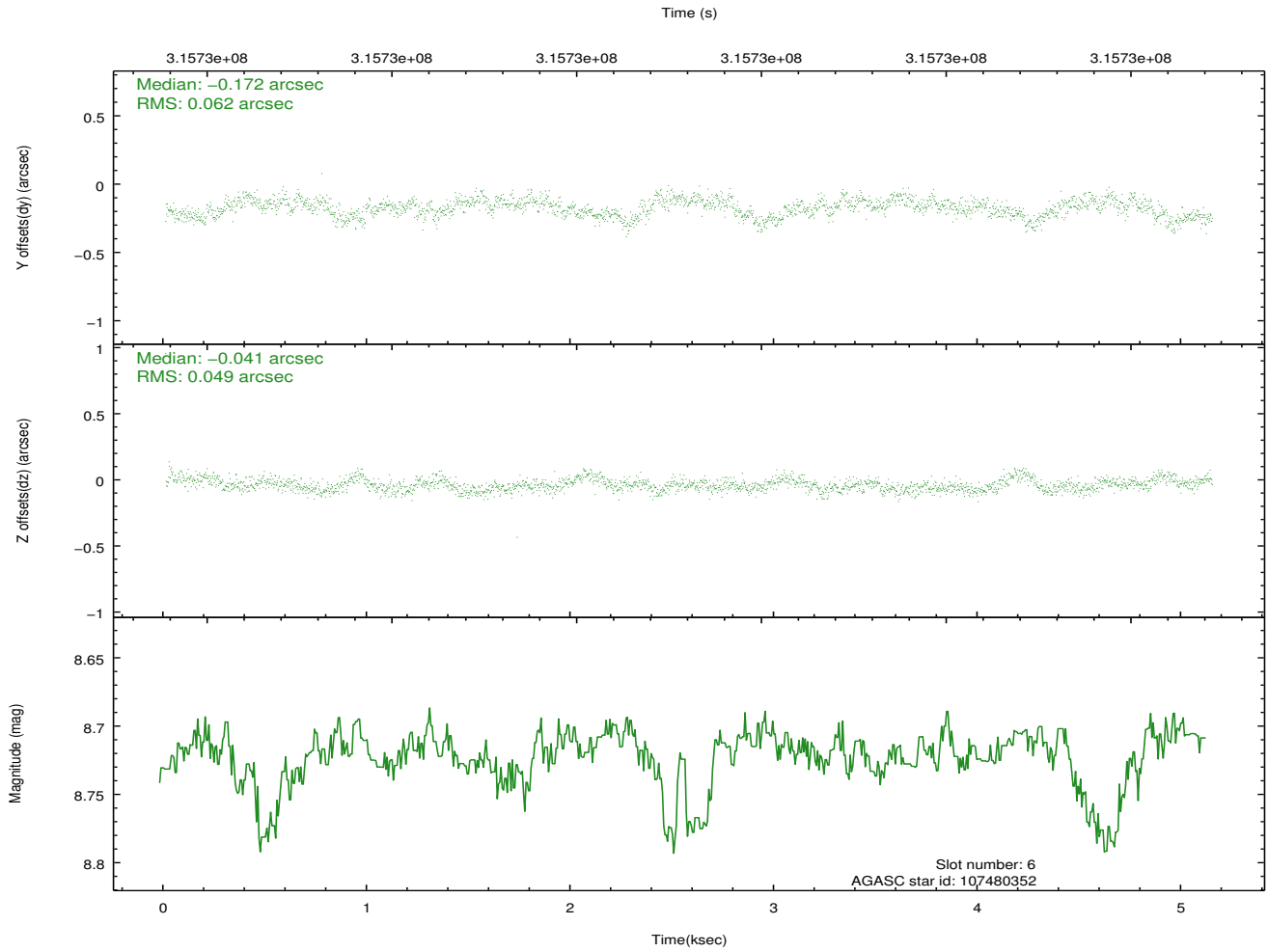
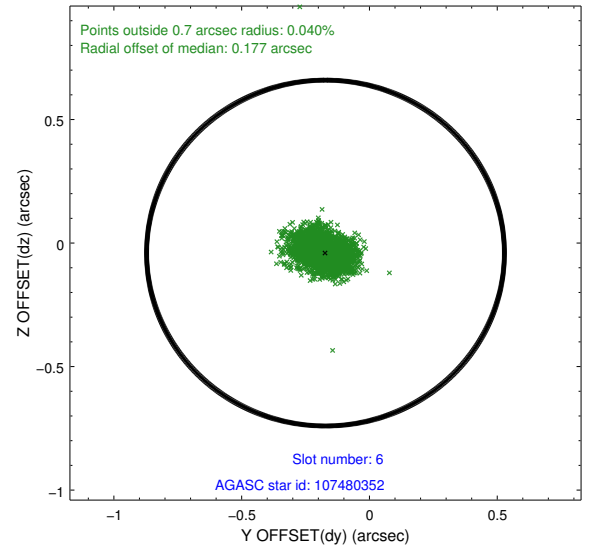
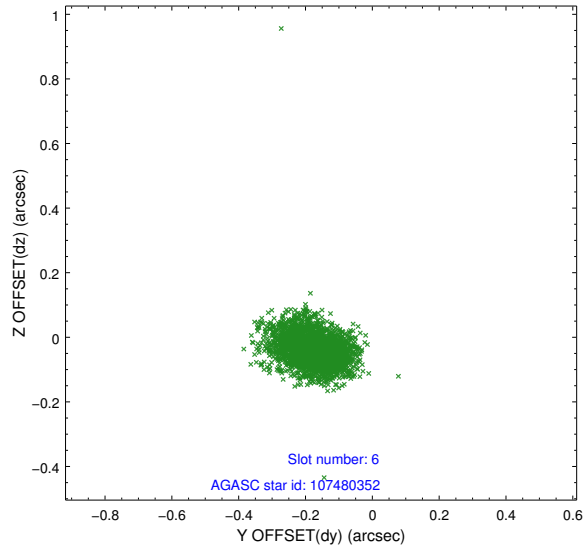
2.4.2 Slot 4



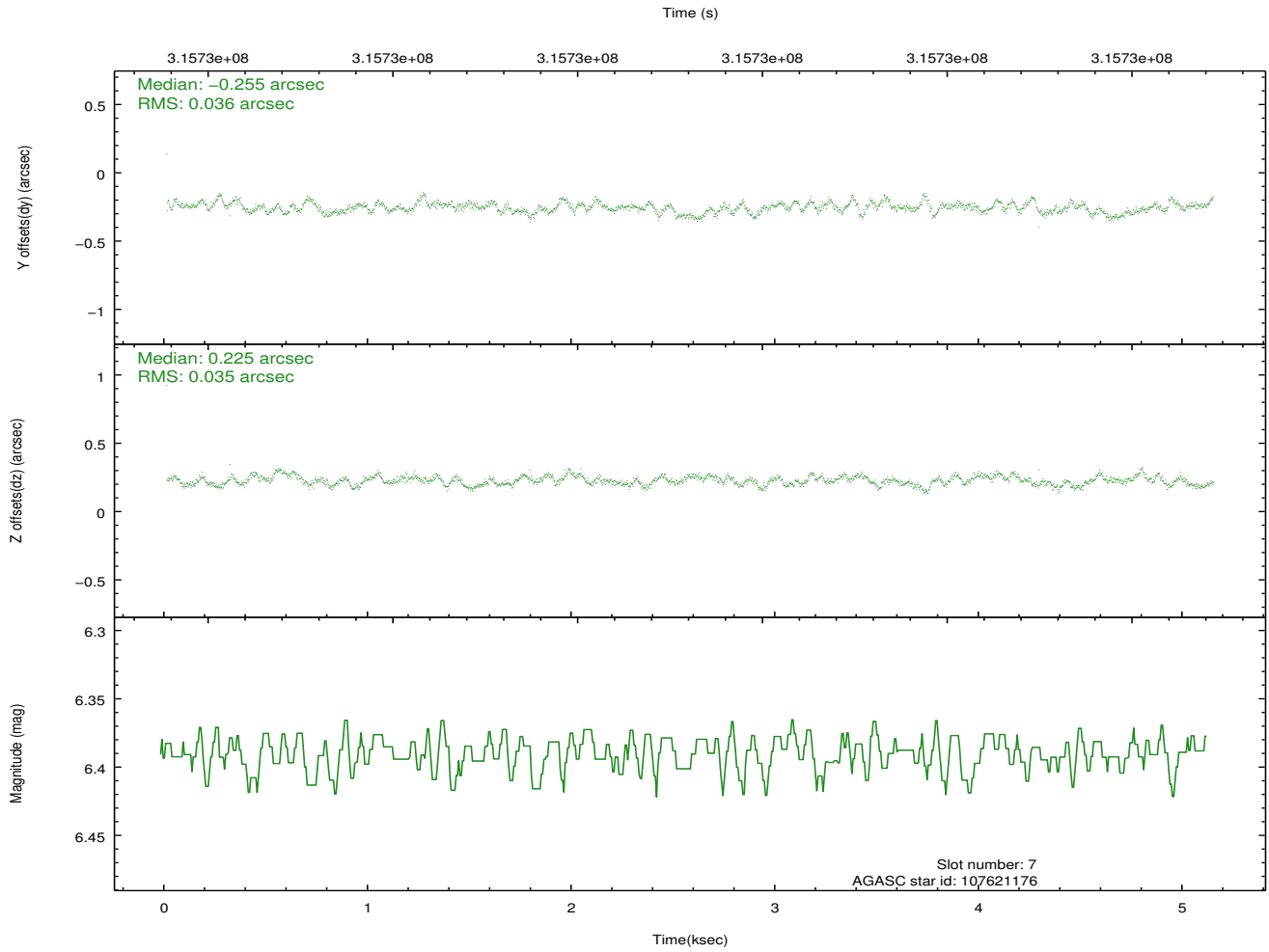
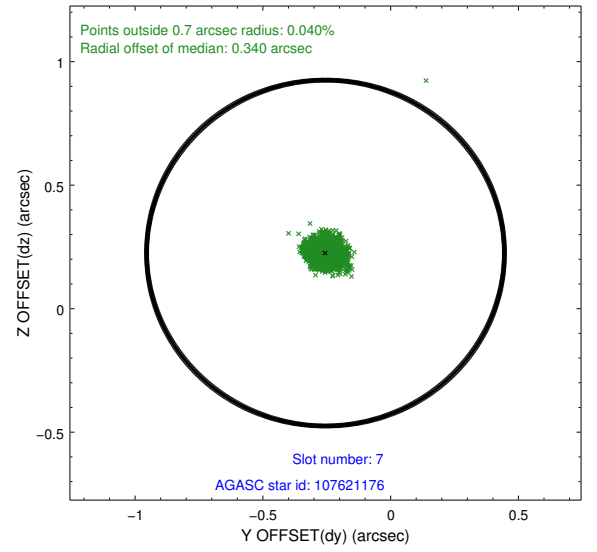
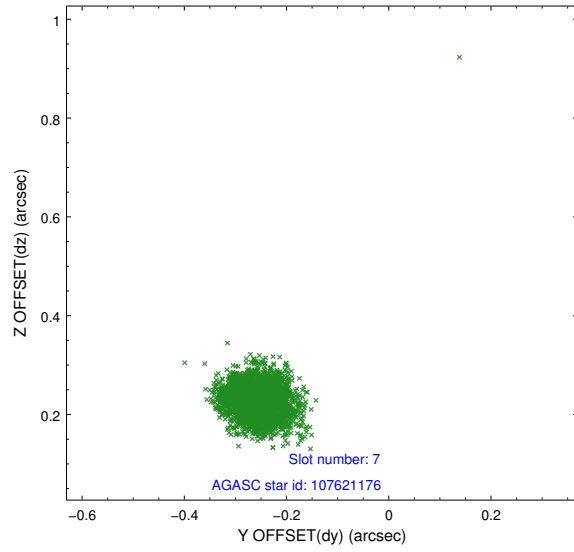
2.4.3 Slot 5



2.4.4 Slot 6

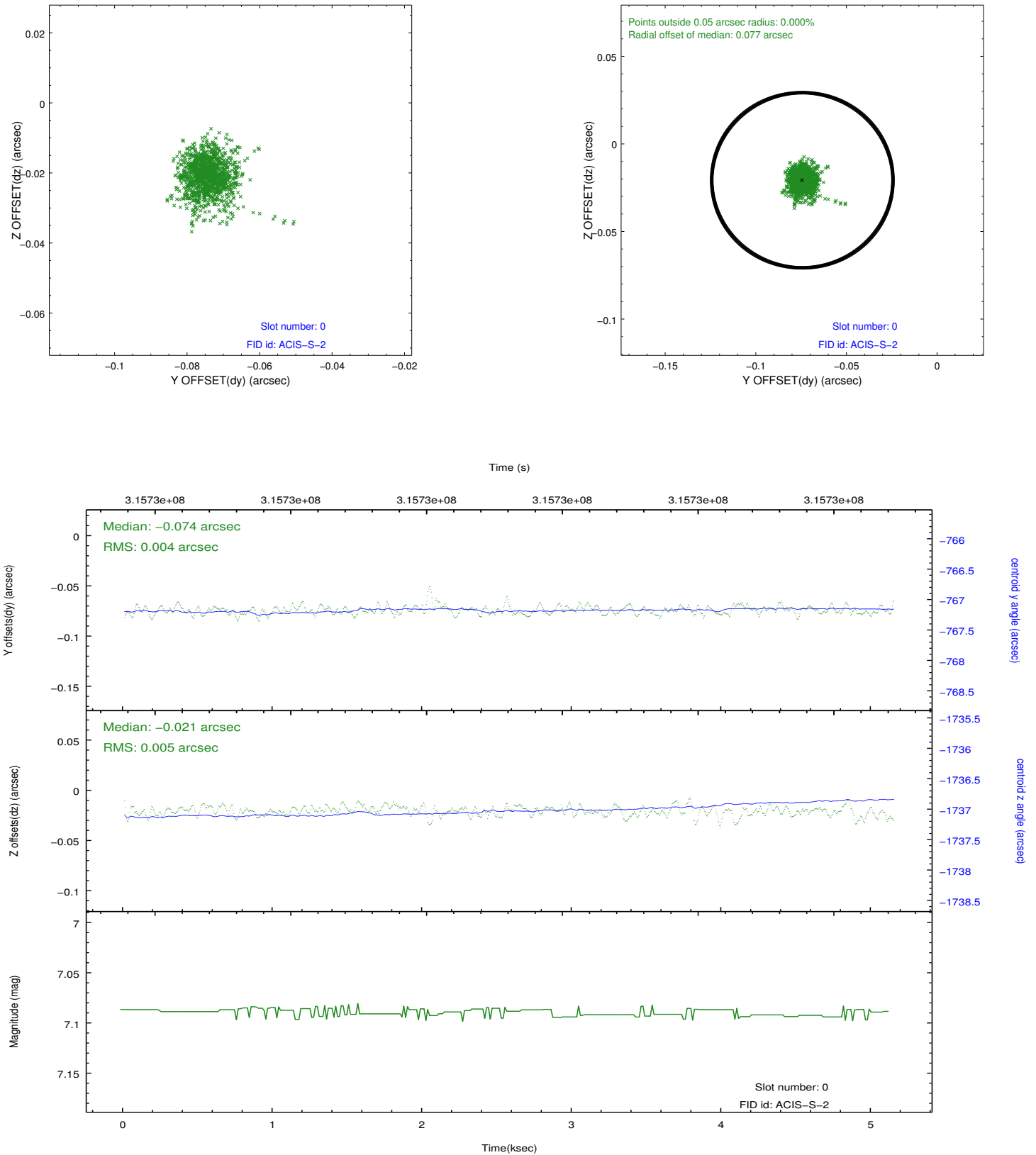


2.4.5 Slot 7

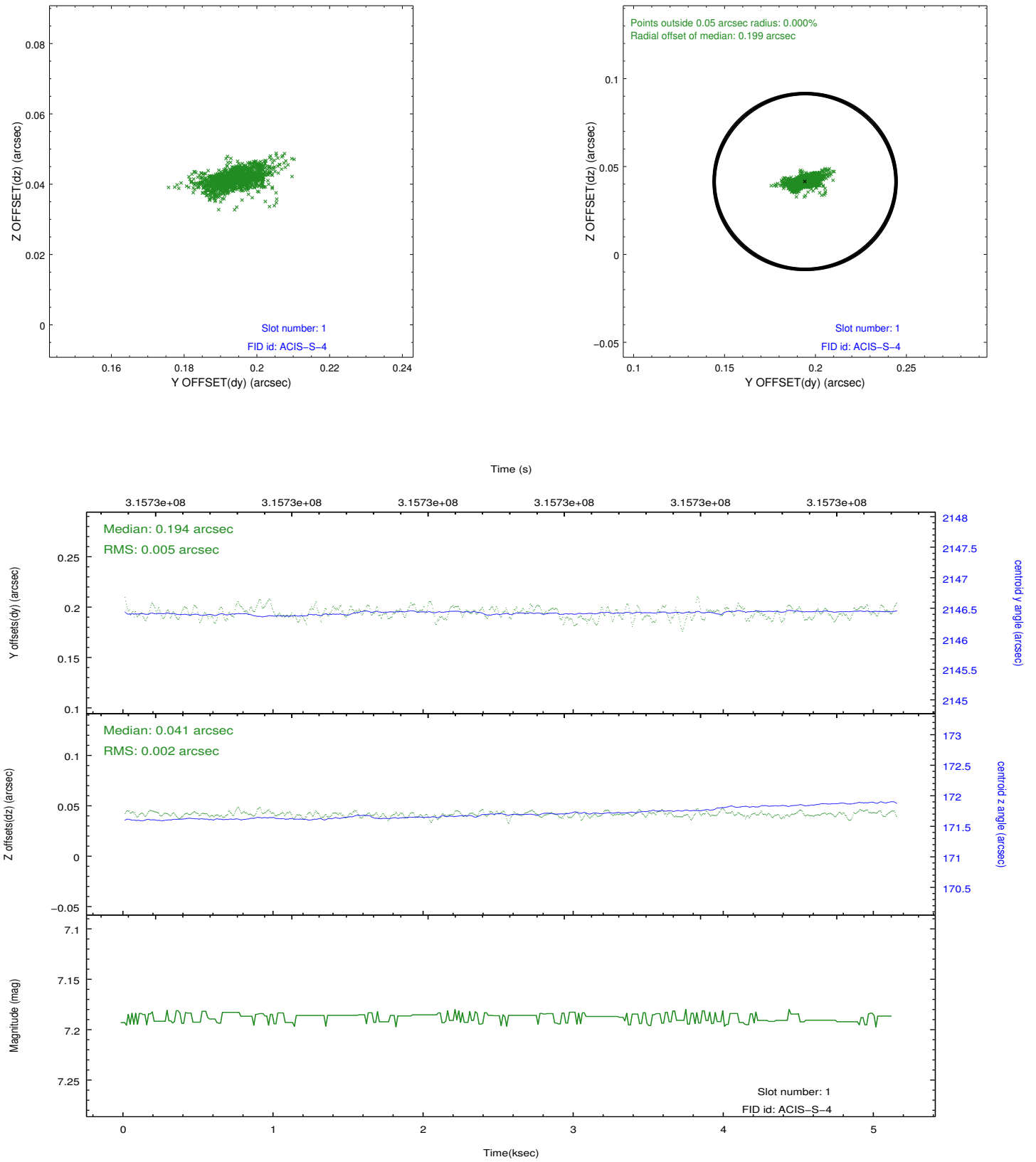


2.5 FID Slots

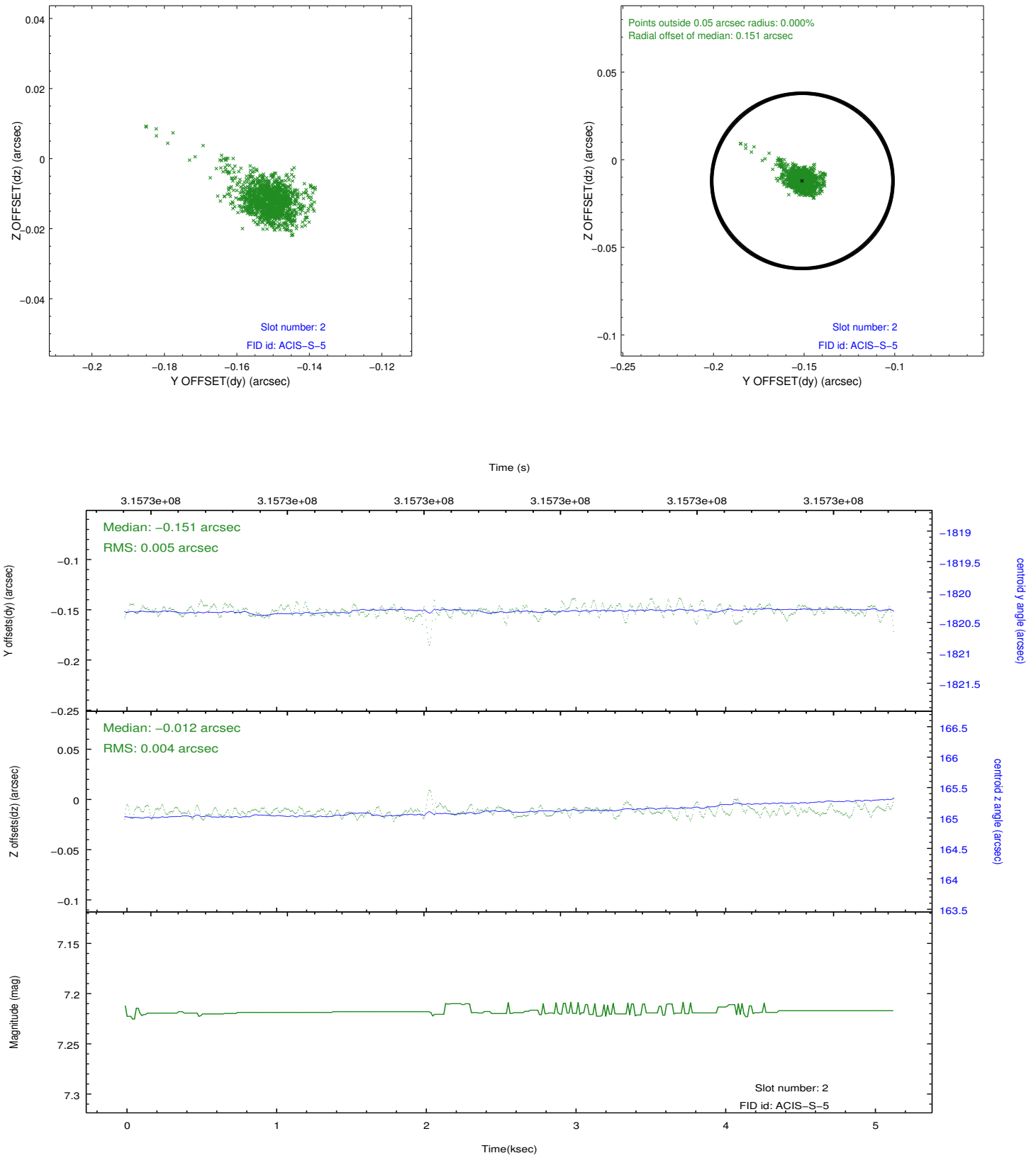
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75839998

A.2 Comments