

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10501 - L2 Version 2
Chandra X-Ray Center

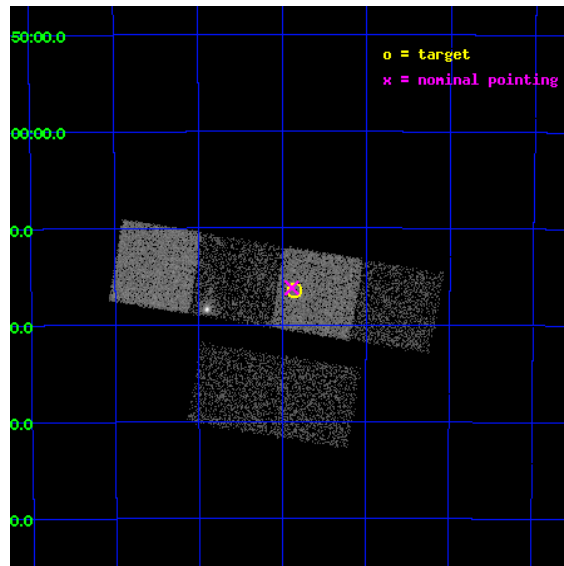
L2 Processing Date : Jun 7 2012

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1 Front

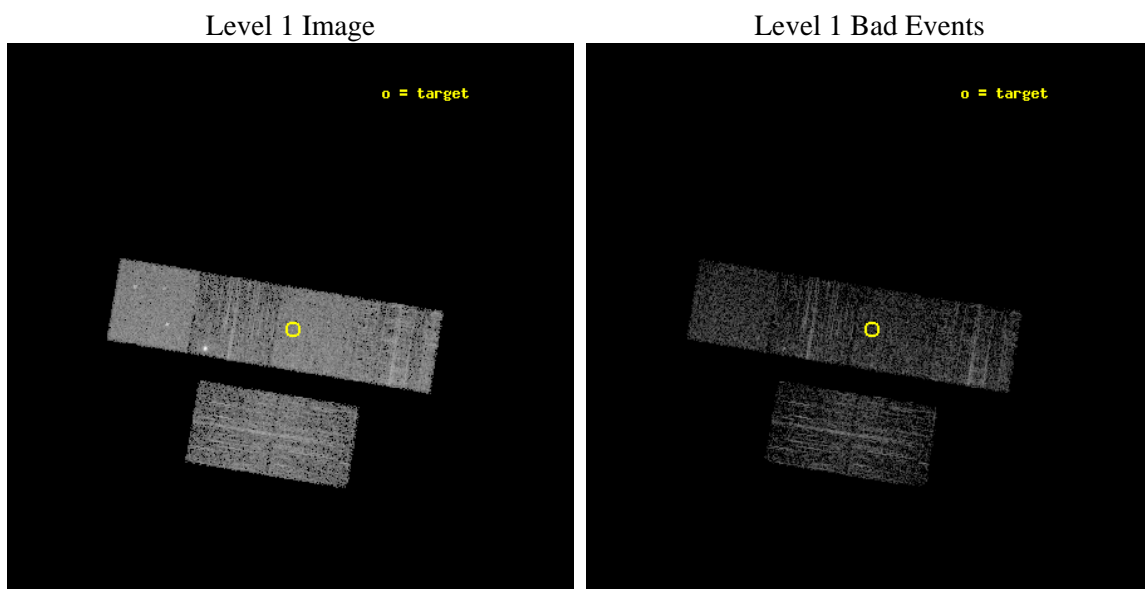
seq_num	900869	Sequence number
obs_id	10501	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J154951-5416	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.465	Observer's specified target RA [deg]
dec_targ	-54.273	Observer's specified target Dec [deg]
ra_nom	237.47142434798	Nominal RA [deg]
dec_nom	-54.269762003062	Nominal Dec [deg]
roll_nom	9.2667068405318	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1651.1999939084	Sum of GTIs [s]
livetime	1630.2915053523	Livetime [s]
ontime2	1651.1999939084	Sum of GTIs [s]
ontime3	1651.1999939084	Sum of GTIs [s]
ontime5	1651.1999939084	Sum of GTIs [s]
ontime6	1651.1999939084	Sum of GTIs [s]
ontime7	1651.1999939084	Sum of GTIs [s]
ontime8	1651.1999939084	Sum of GTIs [s]
l2events	32170	Number of level 2 events



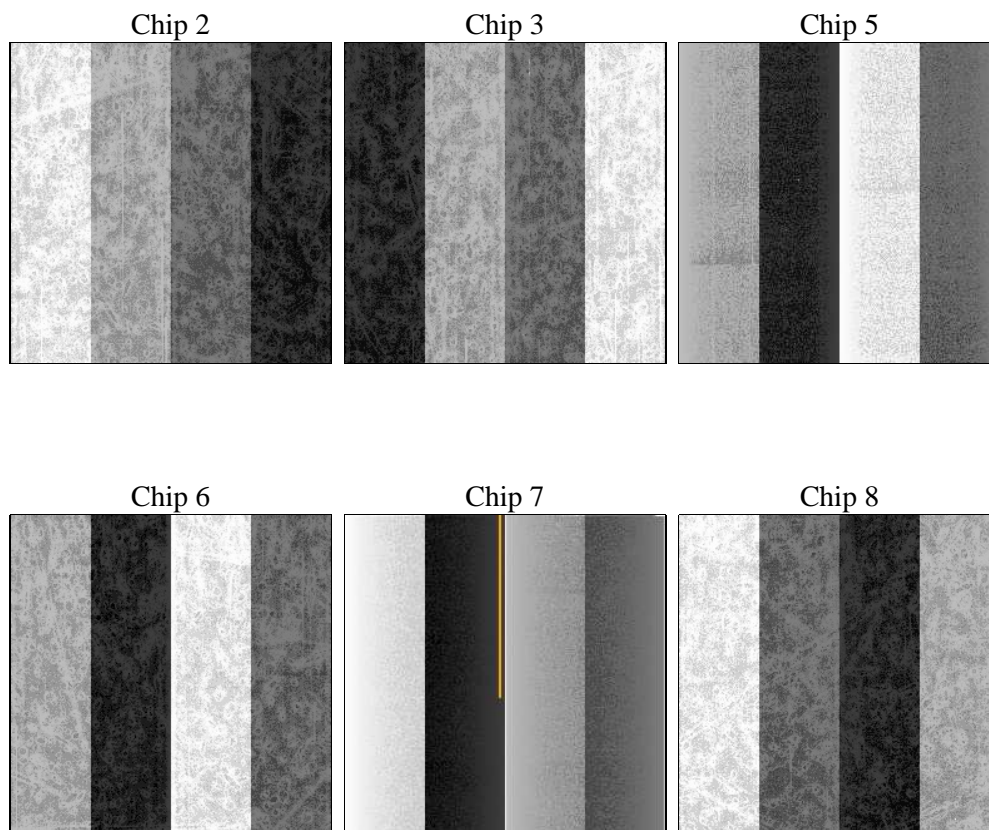
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1651.1999939084	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	1651.1999939084	Sum of GTIs [s]
date	2012-06-07T02:57:52	Date and time of file creation	ontime3	1651.1999939084	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1651.1999939084	Sum of GTIs [s]
			ontime6	1651.1999939084	Sum of GTIs [s]
			ontime7	1651.1999939084	Sum of GTIs [s]
			ontime8	1651.1999939084	Sum of GTIs [s]
			l1events	131709	Number of level 1 events

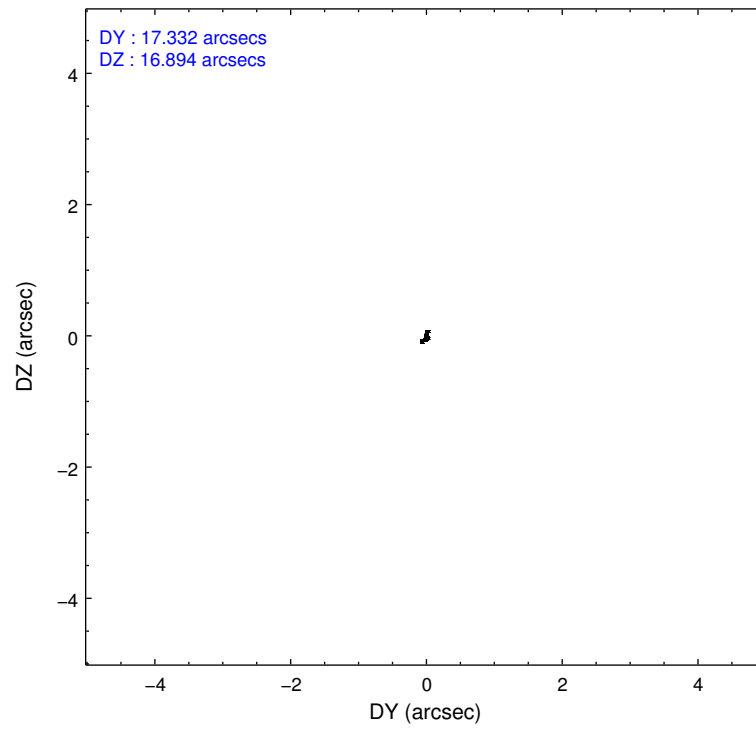
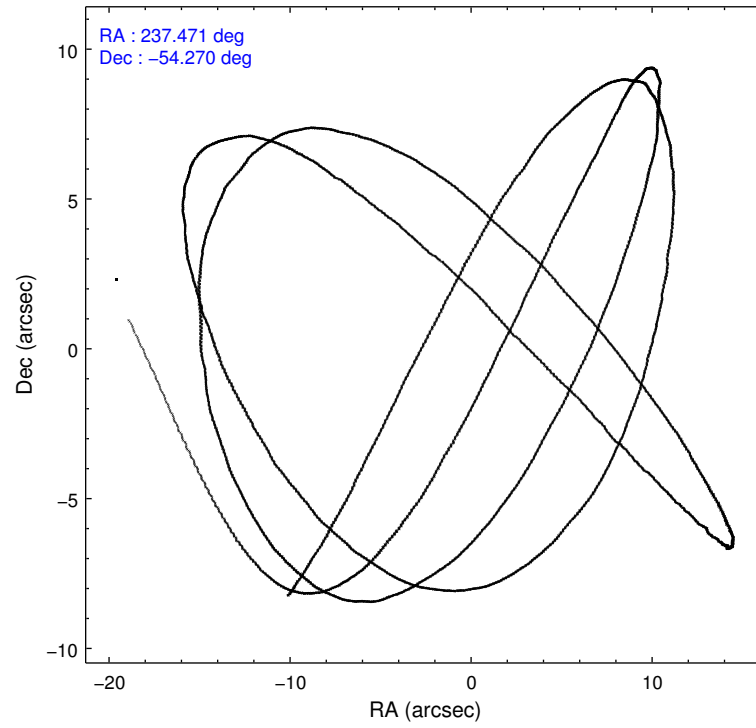
2.1.4 Events

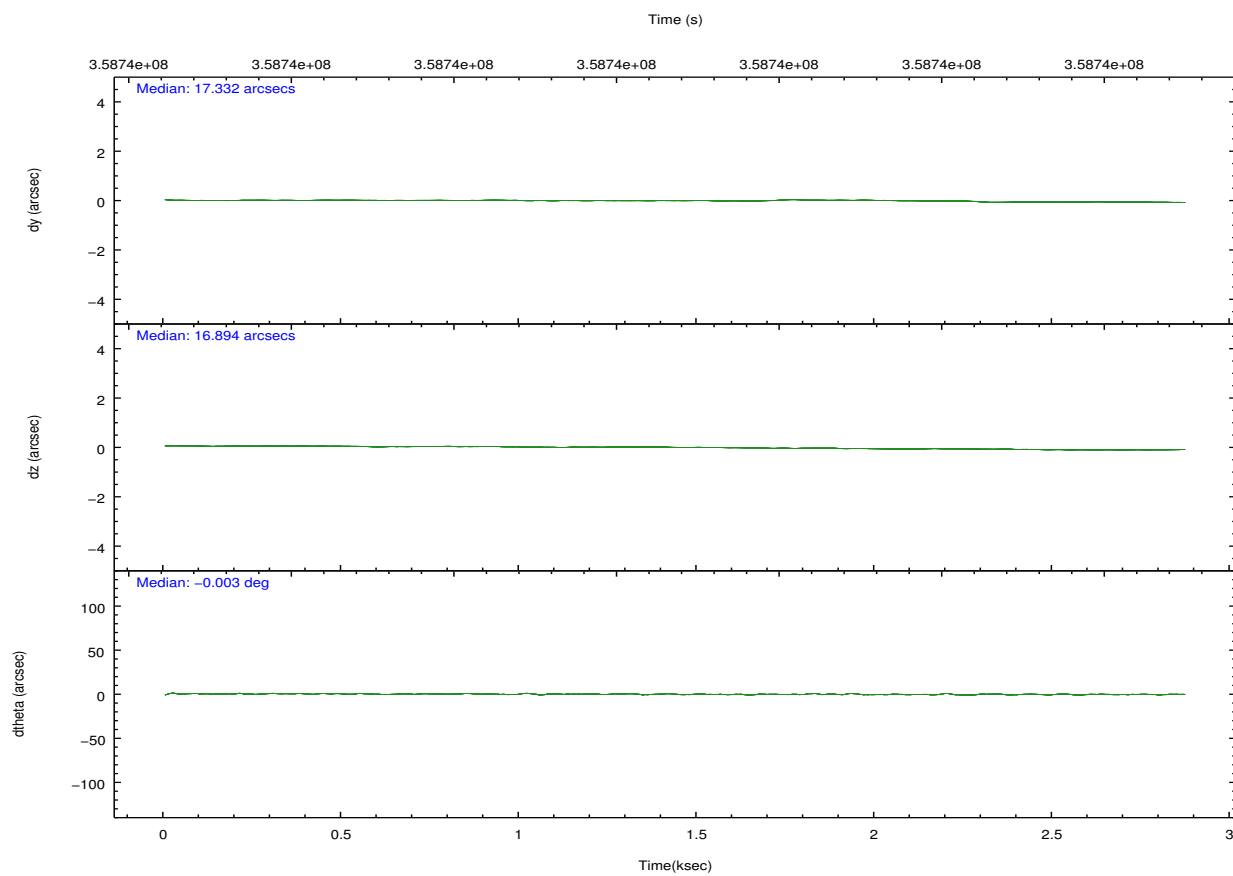
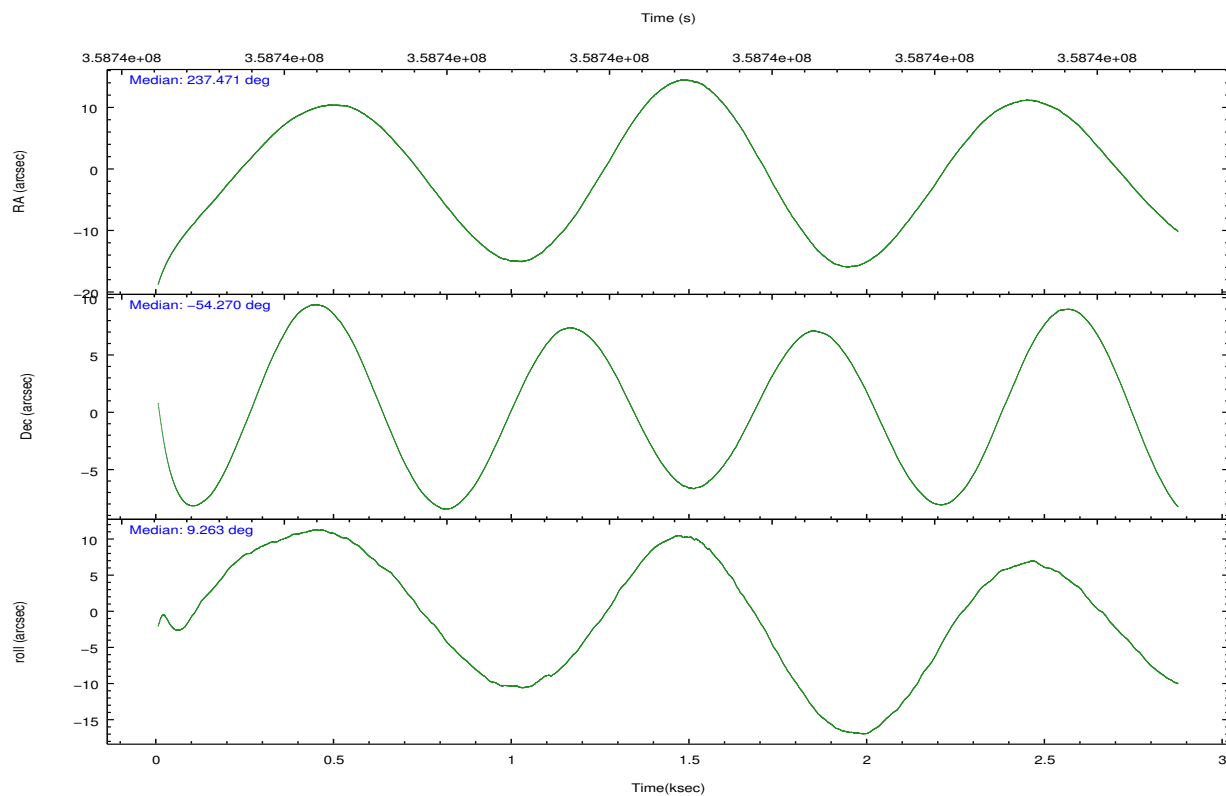
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17592	17721	27659	20406	24851	23480	grade 0 events	1004	970	1475	2691	847	1631
rejected events	15376	15541	14723	15829	14568	18099		5%	5%	5%	13%	3%	6%
rejected %	87%	87%	53%	77%	58%	77%	grade 1 events	14	9	38	47	31	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	457	413	4002	747	2051	1239
								2%	2%	14%	3%	8%	5%
							grade 3 events	202	197	469	290	865	529
								1%	1%	1%	1%	3%	2%
							grade 4 events	206	199	425	255	872	473
								1%	1%	1%	1%	3%	2%
							grade 5 events	706	842	1969	827	2379	1123
								4%	4%	7%	4%	9%	4%
							grade 6 events	352	405	6582	604	5669	1515
								2%	2%	23%	2%	22%	6%
							grade 7 events	14651	14686	12699	14945	12137	16944
								83%	82%	45%	73%	48%	72%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	237.435409	237.4714243479753	CCD I2 on	O2	Y
[deg] Pointing Dec	-54.287411	-54.26976200306241	CCD I3 on	O3	Y
[deg] Pointing Roll	9.080815	9.26670684053183	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	O5	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	O4	Y
[s] Observation start time (MET)	358739416.184000	358737175.72285	CCD S5 on	N	N
Observation start date	2009-05-15T01:49:10	2009-05-15T01:12:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	358741116.184000	358741736.97308	On-chip summing requested	N	N
Observation end date	2009-05-15T02:17:30	2009-05-15T02:28:56	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



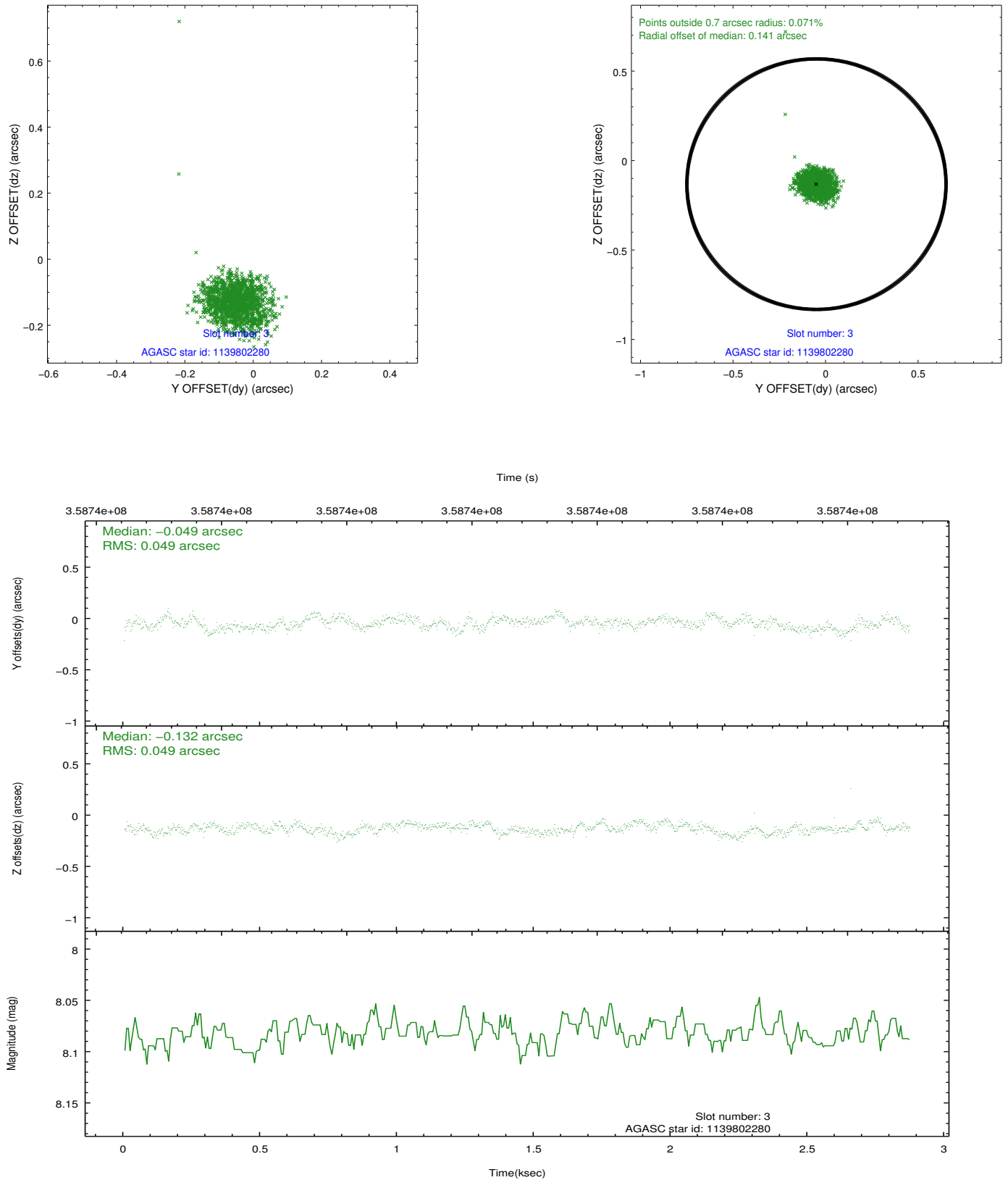


Slot Statistics

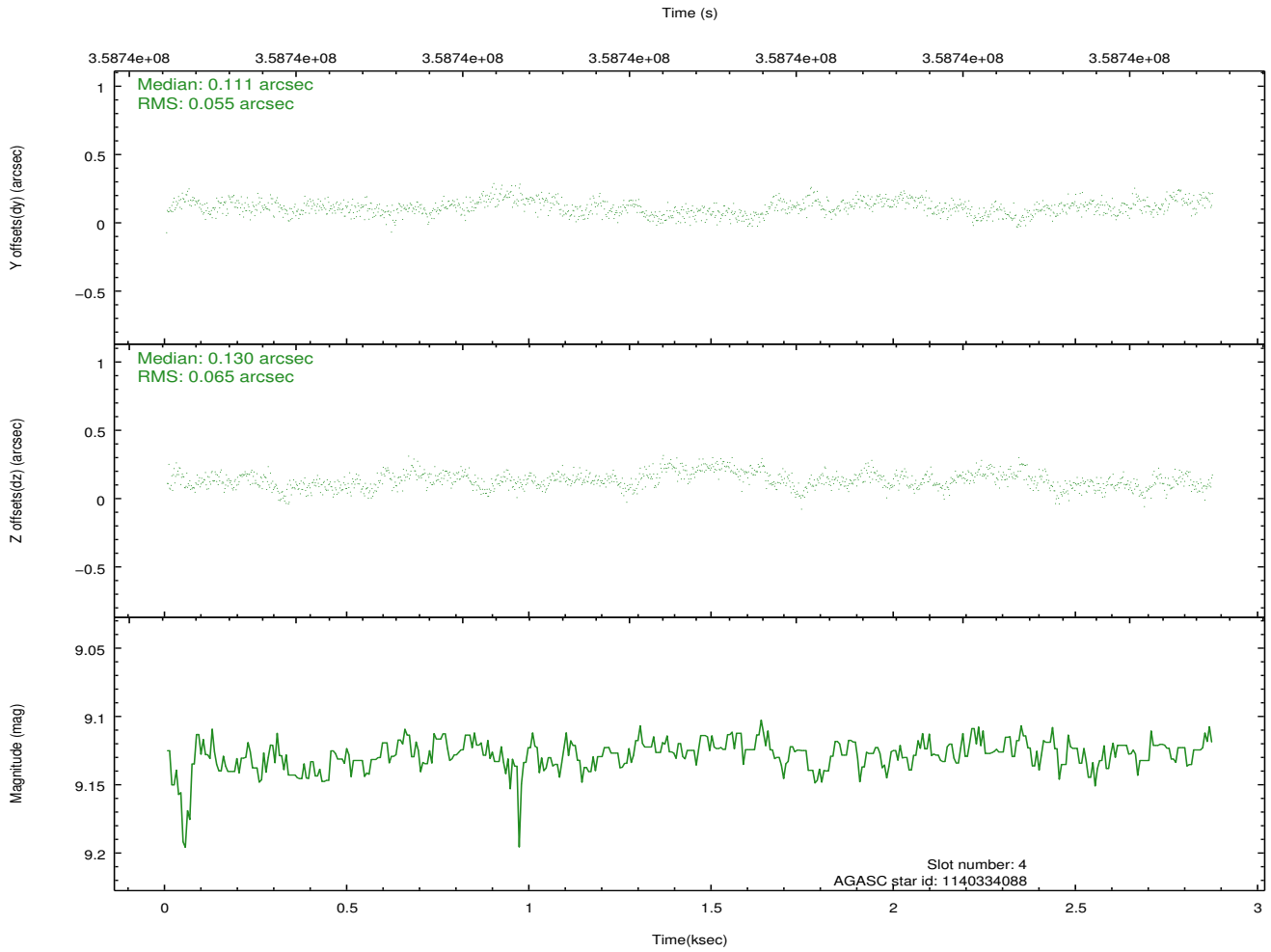
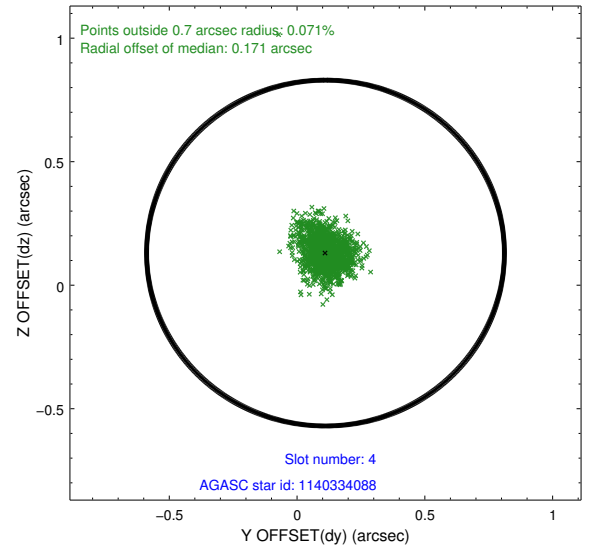
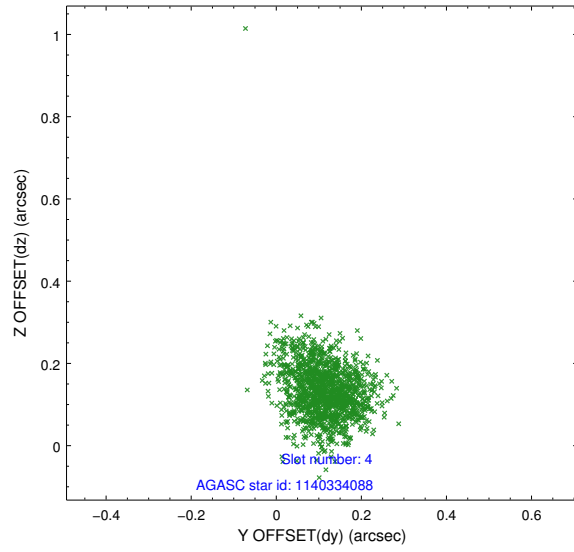
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.84	700	-0.052	0.001	0.006	0.011	0.000000	0.000000	-770.43	-1738.30
1	FID	ACIS-S-4	6.92	700	0.140	0.025	0.006	0.009	0.000000	0.000000	2142.04	167.84
2	FID	ACIS-S-5	6.95	700	-0.120	-0.017	0.006	0.011	0.000000	0.000000	-1820.45	164.08
3	GUIDE	1139802280	8.08	1401	-0.049	-0.132	0.070	0.109	236.525595	-54.011505	-1745.97	1272.04
4	GUIDE	1140334088	9.13	1401	0.111	0.130	0.088	0.143	236.618620	-54.783934	-1959.27	-1506.52
5	GUIDE	1140458608	8.45	1400	0.014	0.045	0.066	0.107	237.337107	-54.507511	-329.30	-751.14
6	GUIDE	1140462520	8.15	1401	-0.059	0.022	0.061	0.095	237.718666	-54.642458	380.59	-1356.88
7	GUIDE	1139941688	9.15	1399	-0.017	-0.067	0.088	0.148	238.371800	-54.158507	2020.24	132.37

2.4 Star Slots

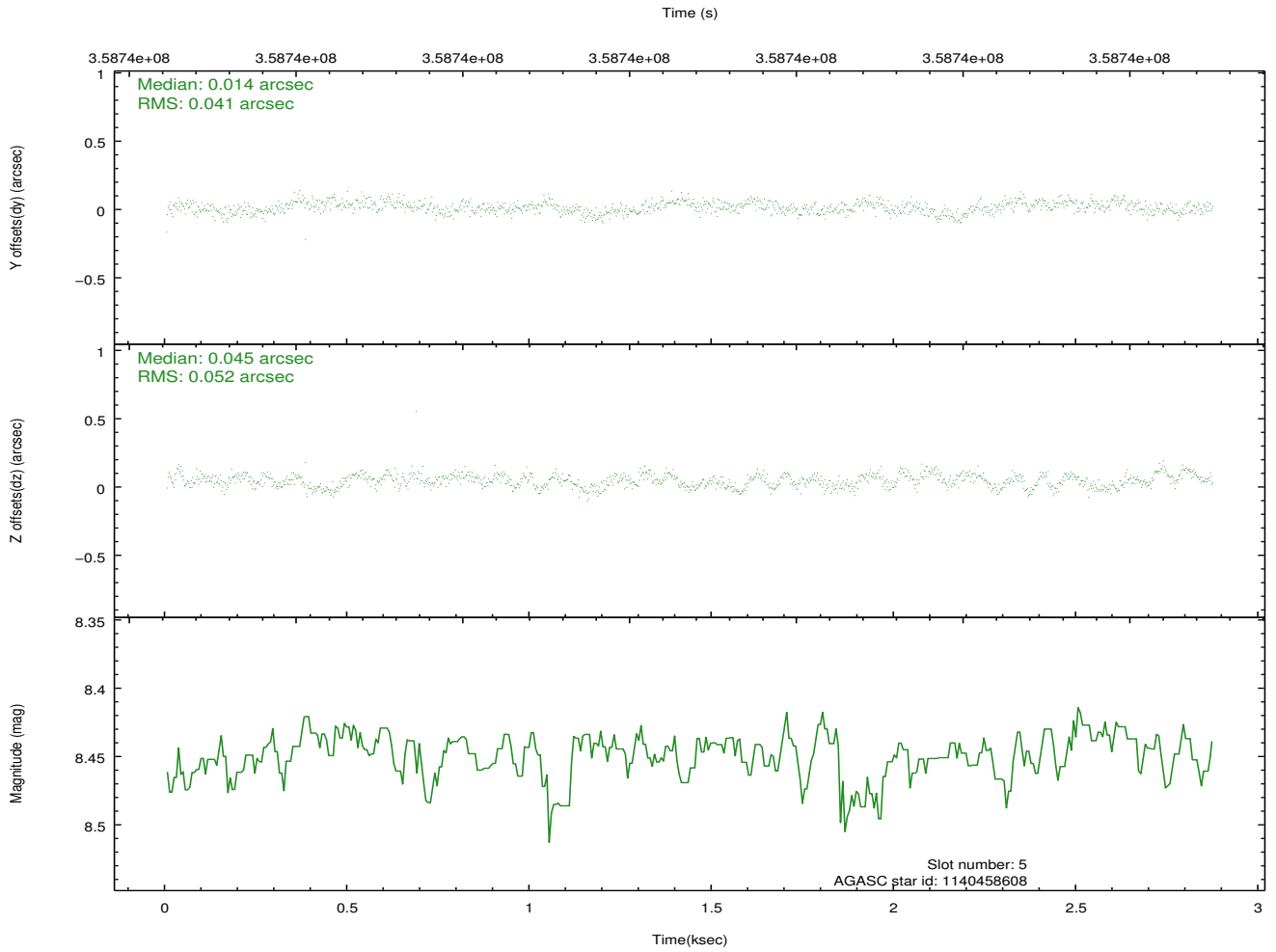
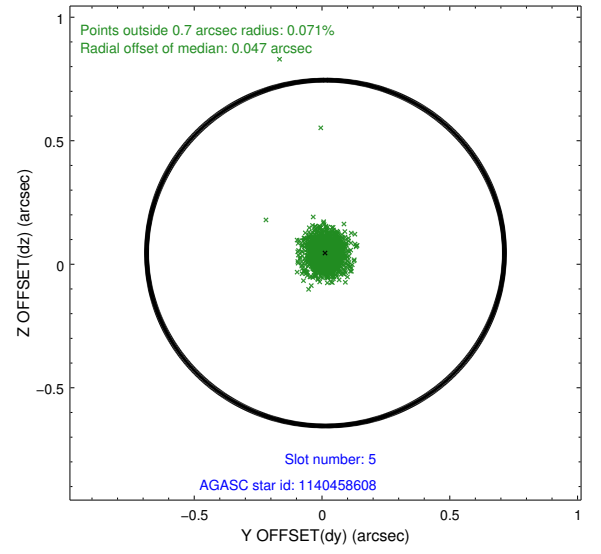
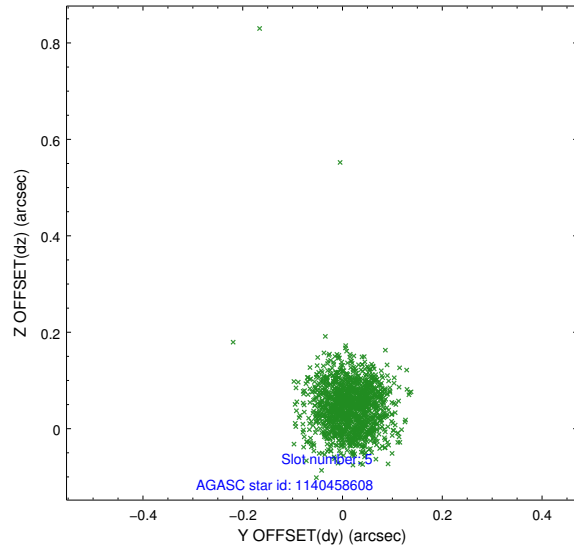
2.4.1 Slot 3



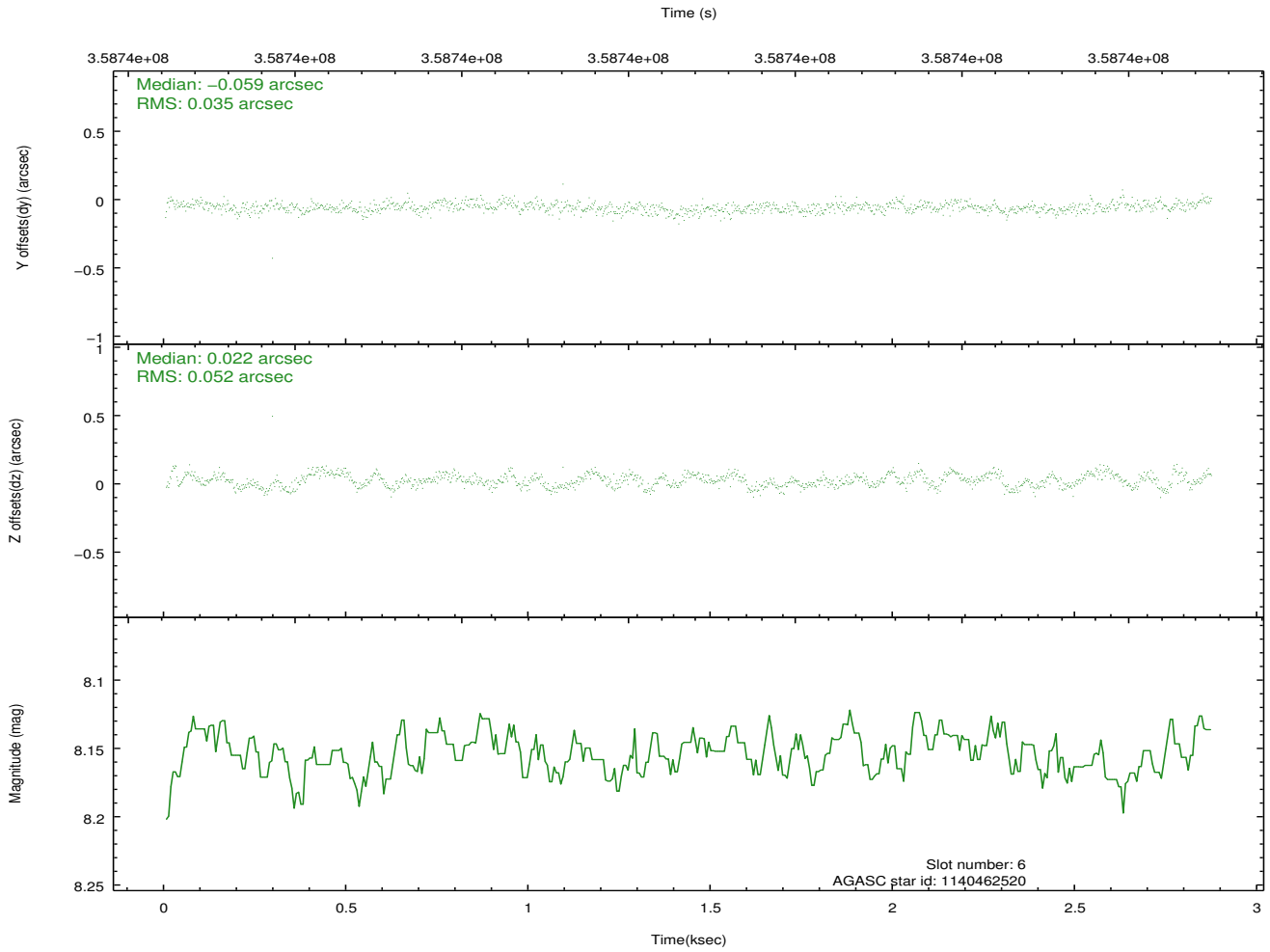
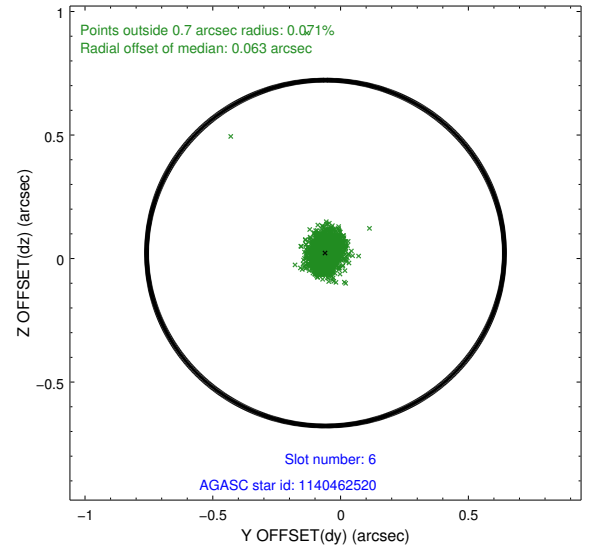
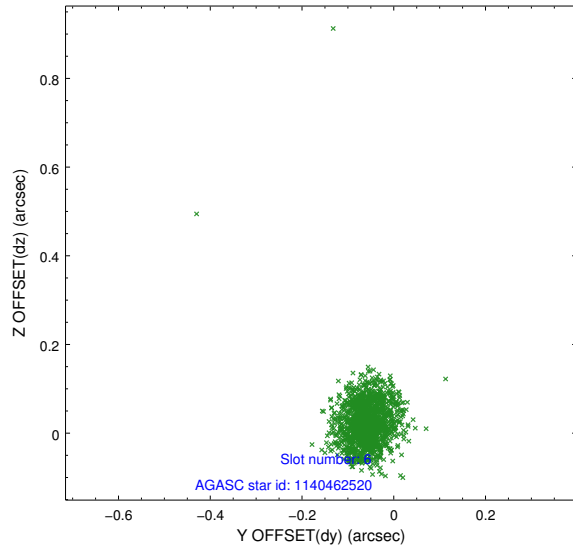
2.4.2 Slot 4



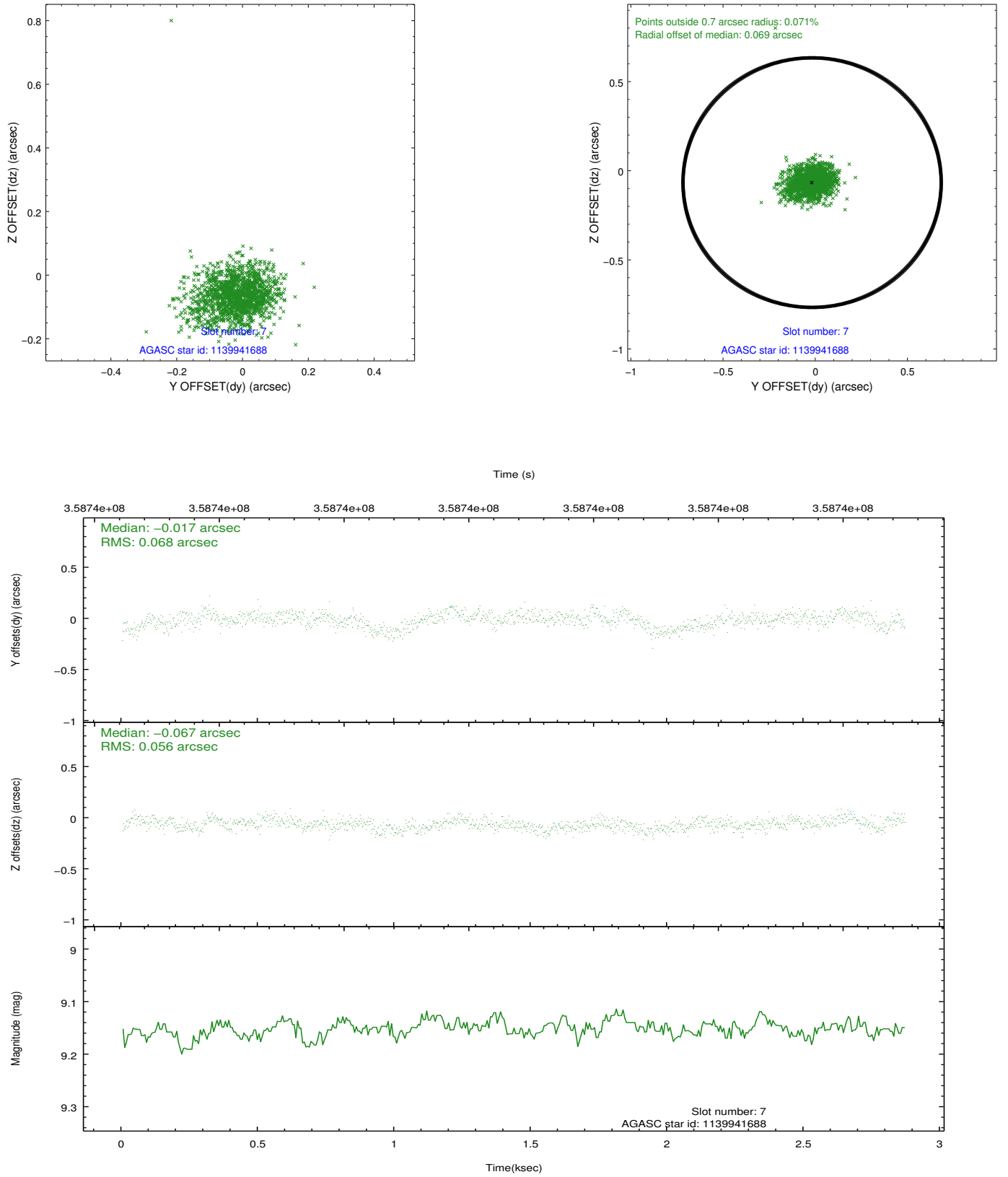
2.4.3 Slot 5



2.4.4 Slot 6

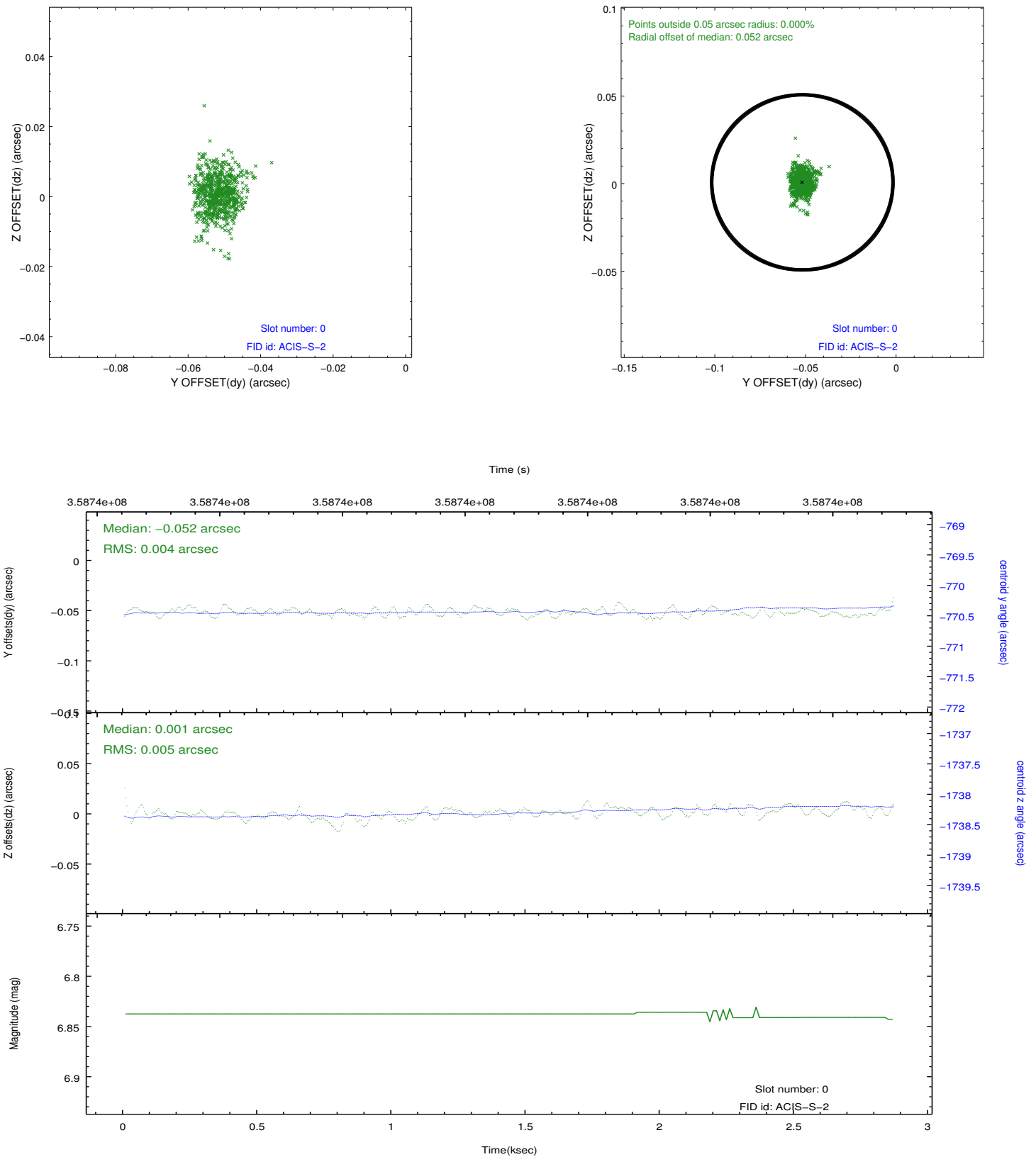


2.4.5 Slot 7

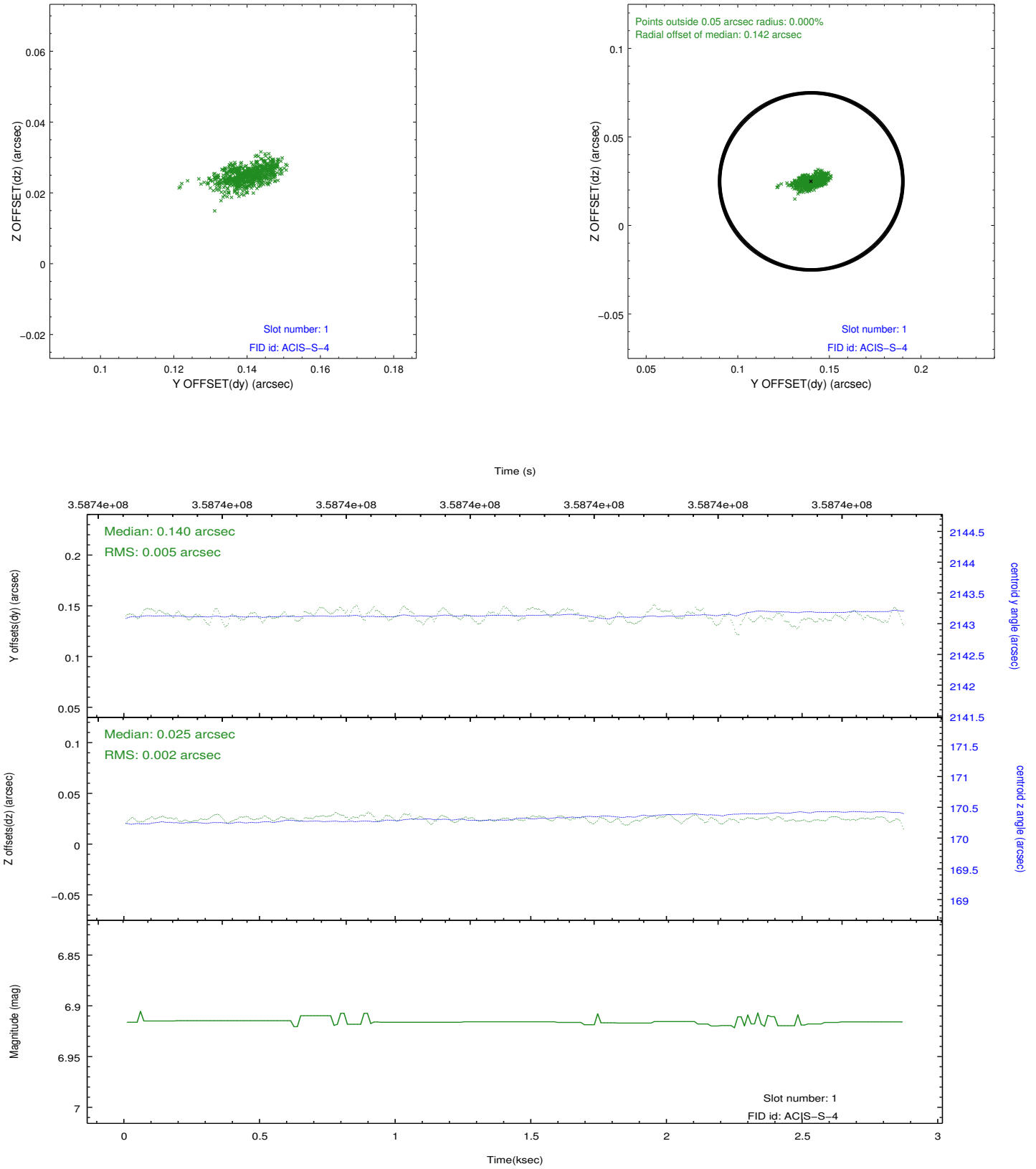


2.5 FID Slots

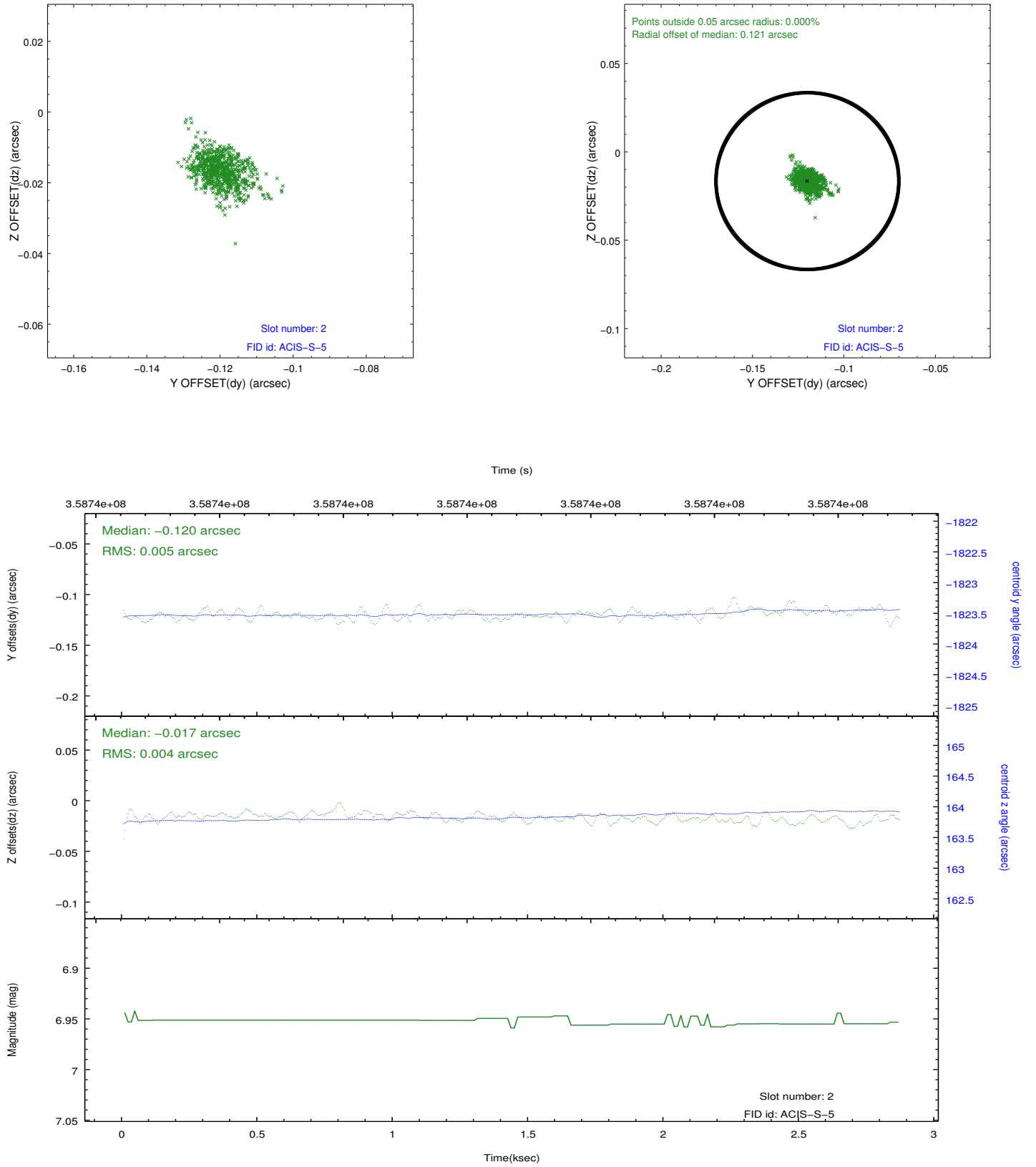
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.65119999

A.2 Comments