

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10519 - L2 Version 2
Chandra X-Ray Center

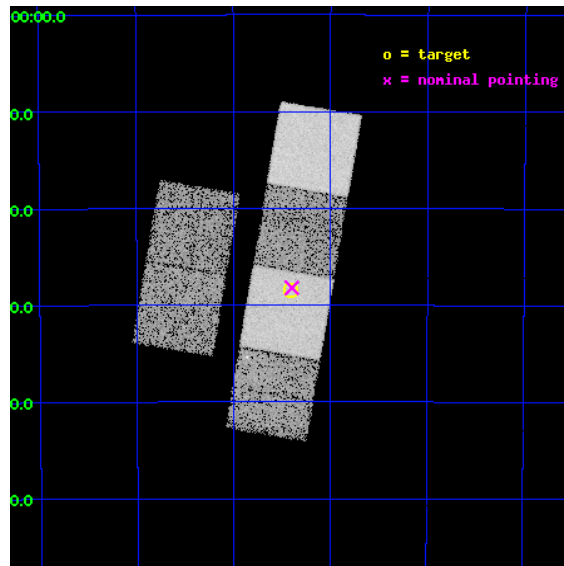
L2 Processing Date : May 30 2012

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1 Front

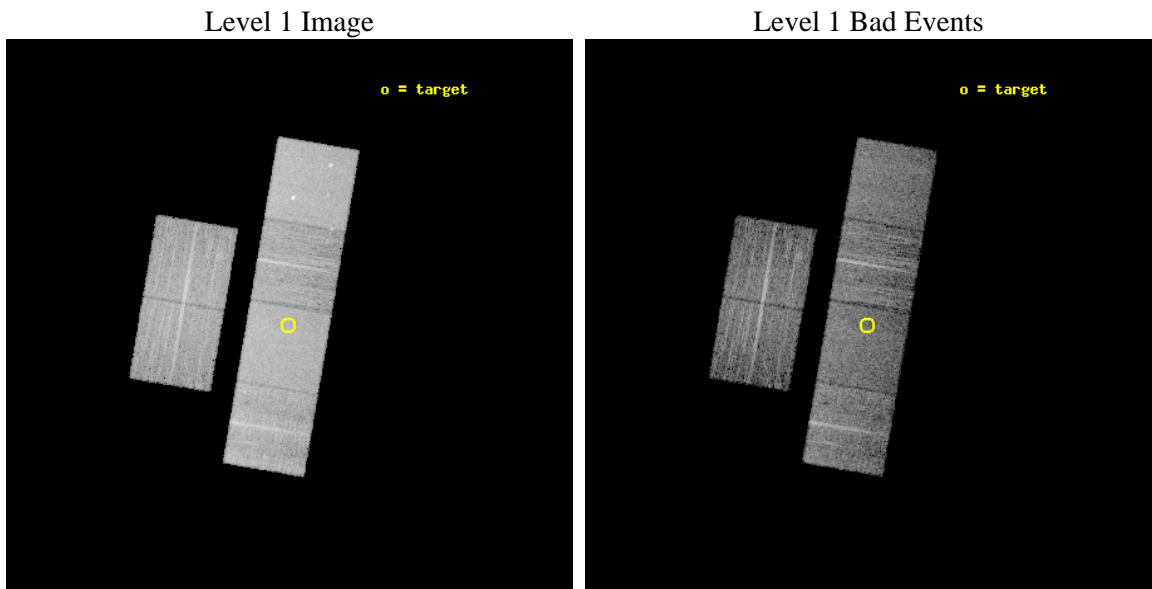
seq_num	900887	Sequence number
obs_id	10519	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J163524-4728	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.854167	Observer's specified target RA [deg]
dec_targ	-47.474	Observer's specified target Dec [deg]
ra_nom	248.84947096617	Nominal RA [deg]
dec_nom	-47.470327846369	Nominal Dec [deg]
roll_nom	99.710022341621	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6648.7742533088	Sum of GTIs [s]
livetime	6564.5834703022	Livetime [s]
ontime2	6648.8152933121	Sum of GTIs [s]
ontime3	6648.6511332989	Sum of GTIs [s]
ontime5	6648.7332133055	Sum of GTIs [s]
ontime6	6648.6921733022	Sum of GTIs [s]
ontime7	6648.7742533088	Sum of GTIs [s]
ontime8	6648.6100932956	Sum of GTIs [s]
l2events	120282	Number of level 2 events



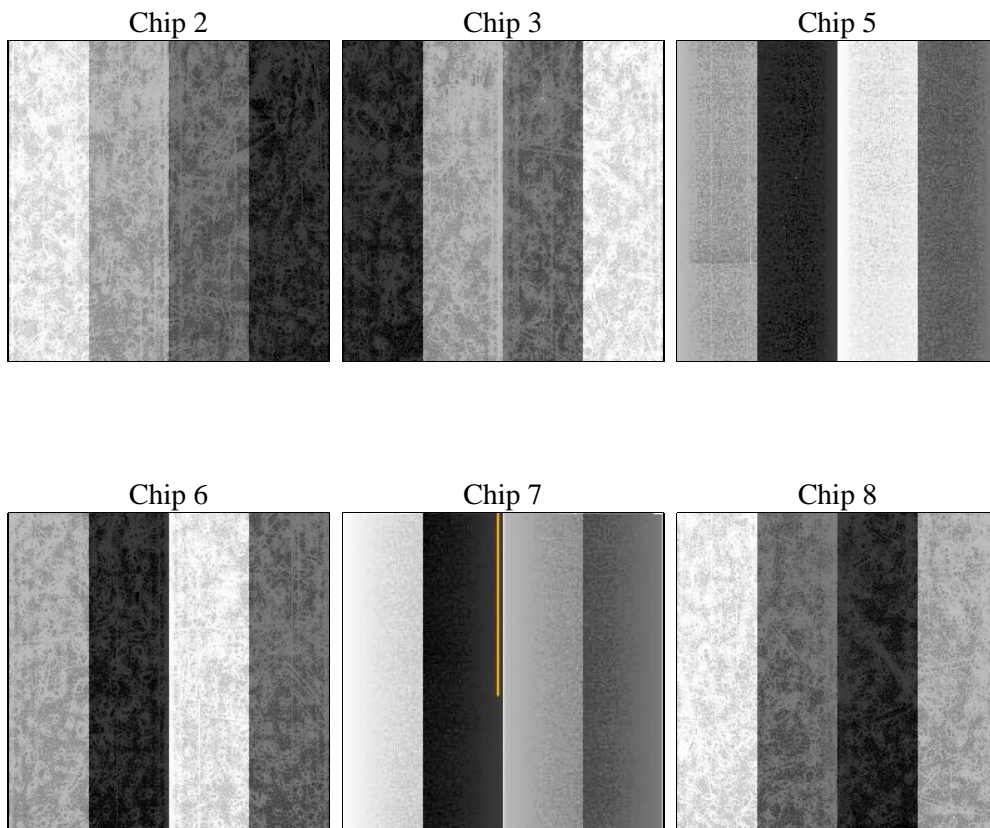
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6648.7742533088	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	6648.8152933121	Sum of GTIs [s]
date	2012-05-30T05:52:51	Date and time of file creation	ontime3	6648.6511332989	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	6648.7332133055	Sum of GTIs [s]
			ontime6	6648.6921733022	Sum of GTIs [s]
			ontime7	6648.7742533088	Sum of GTIs [s]
			ontime8	6648.6100932956	Sum of GTIs [s]
			l1events	505083	Number of level 1 events

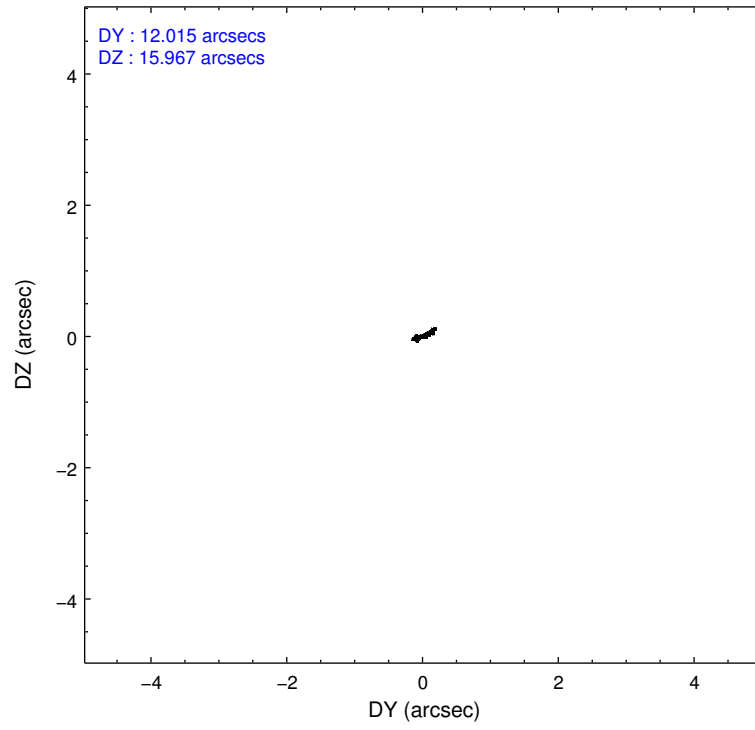
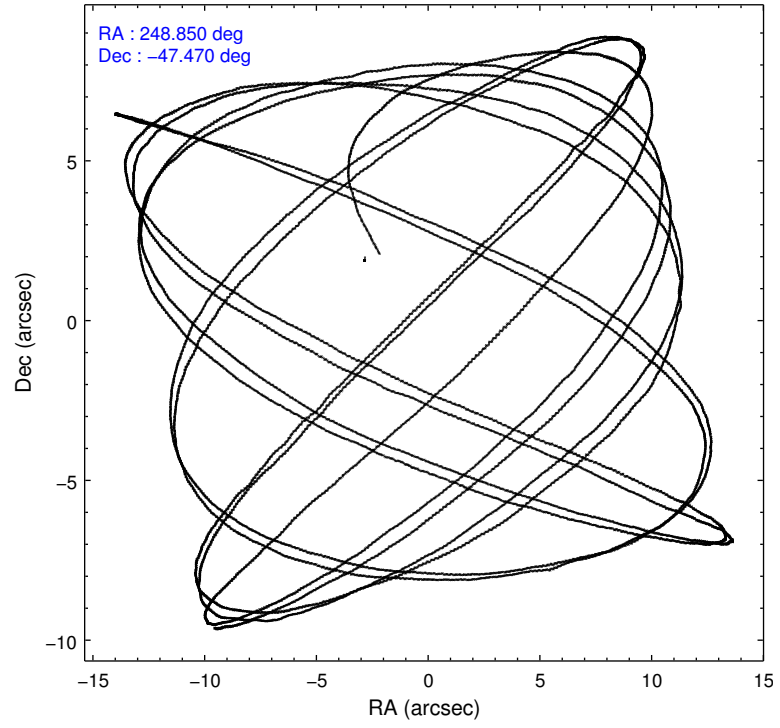
2.1.4 Events

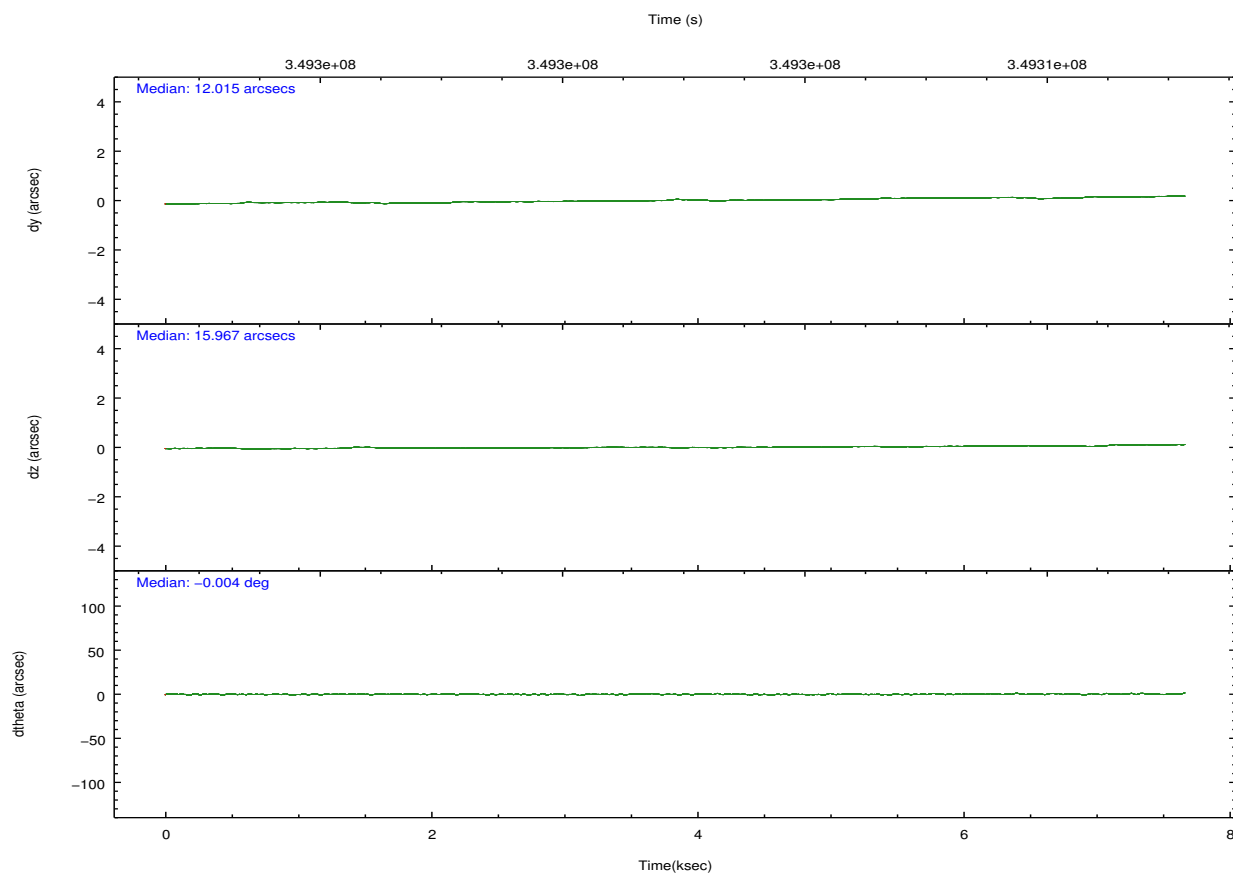
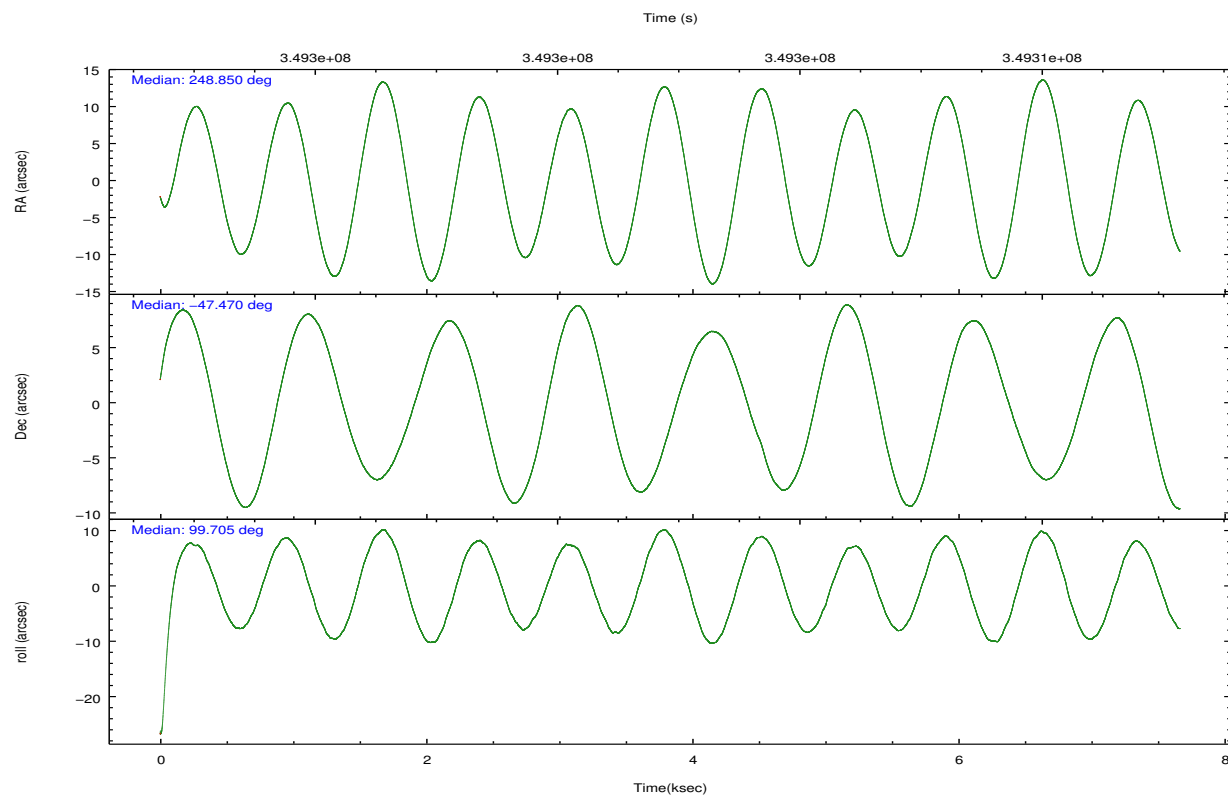
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	72052	66365	108927	71355	97969	88415	grade 0 events	3887	3801	4935	3684	3591	6878
rejected events	63276	57793	57843	62290	56794	67414		5%	5%	4%	5%	3%	7%
rejected %	87%	87%	53%	87%	57%	76%	grade 1 events	43	51	200	45	101	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	1951	1693	15943	1972	8593	4636
								2%	2%	14%	2%	8%	5%
							grade 3 events	752	829	1750	860	3520	2147
								1%	1%	1%	1%	3%	2%
							grade 4 events	724	749	1736	786	3496	2133
								1%	1%	1%	1%	3%	2%
							grade 5 events	2802	3057	7572	3257	9212	4427
								3%	4%	6%	4%	9%	5%
							grade 6 events	1470	1506	26779	1771	22007	5224
								2%	2%	24%	2%	22%	5%
							grade 7 events	60423	54679	50012	58980	47449	62913
								83%	82%	45%	82%	48%	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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	248.875705	248.849470966173	CCD I2 on	O2	Y
[deg] Pointing Dec	-47.491157	-47.47032784636865	CCD I3 on	O3	Y
[deg] Pointing Roll	99.572776	99.71002234162114	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	349300065.184000	349298717.97872	CCD S5 on	N	N
Observation start date	2009-01-25T19:46:39	2009-01-25T19:25:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	349306765.184000	349307685.70416	On-chip summing requested	N	N
Observation end date	2009-01-25T21:38:19	2009-01-25T21:54:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



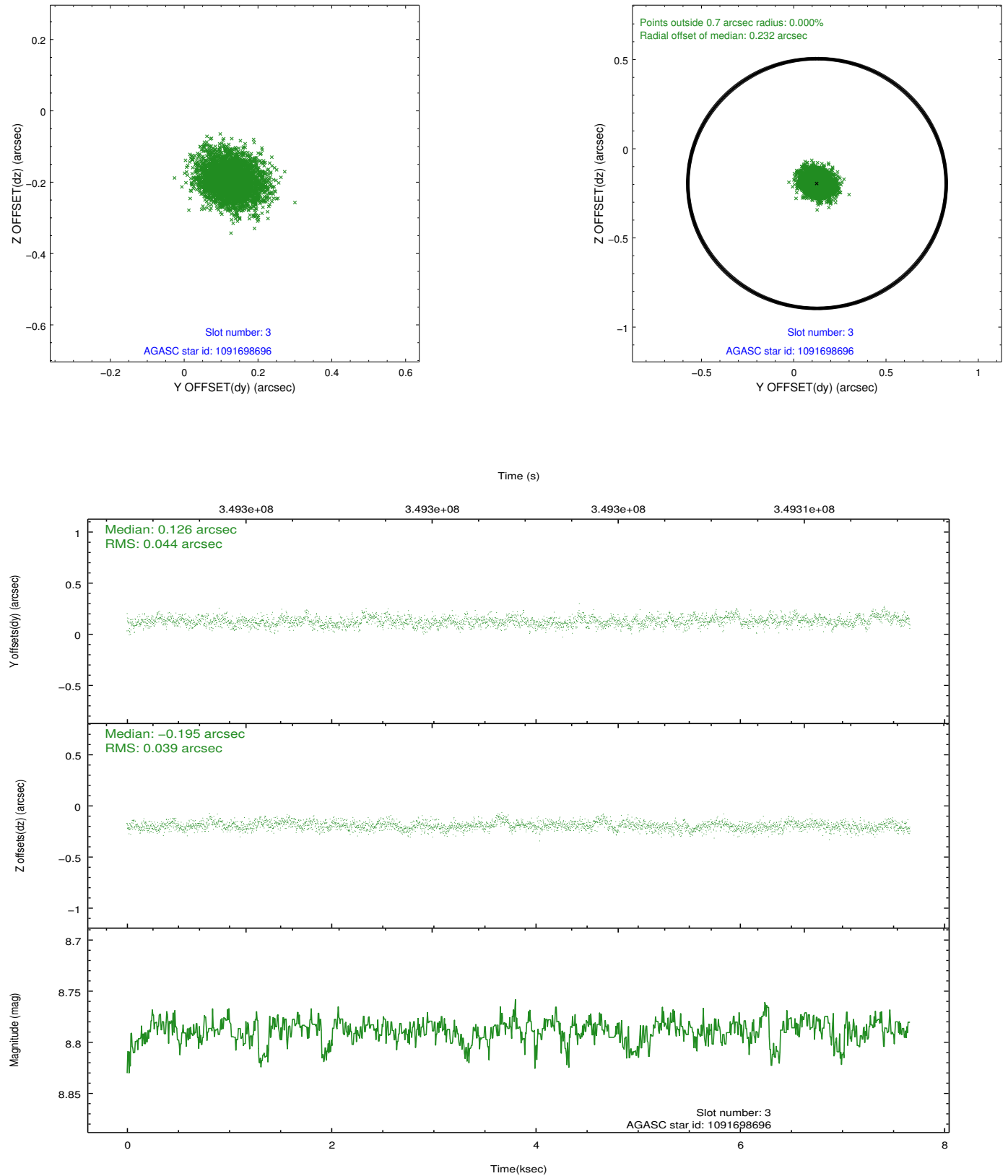


Slot Statistics

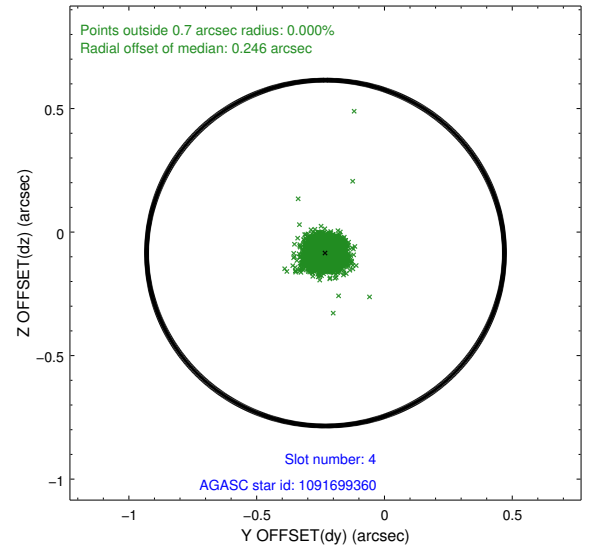
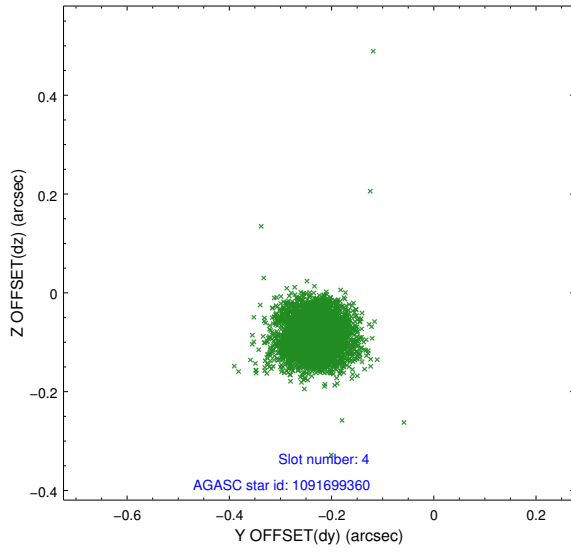
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1870	-0.041	-0.022	0.010	0.016	0.000000	0.000000	-764.94	-1737.35
1	FID	ACIS-S-4	6.97	1870	0.138	0.026	0.011	0.022	0.000000	0.000000	2148.16	170.43
2	FID	ACIS-S-5	7.00	1870	-0.126	0.004	0.009	0.015	0.000000	0.000000	-1816.93	164.89
3	GUIDE	1091698696	8.79	3740	0.126	-0.195	0.062	0.101	248.529134	-48.079711	-1952.70	1174.74
4	GUIDE	1091699360	7.43	3740	-0.231	-0.085	0.055	0.086	248.660725	-47.004364	1814.35	229.84
5	GUIDE	1091702440	8.72	3740	0.018	-0.180	0.073	0.115	248.295809	-47.683380	-453.59	1502.13
6	GUIDE	1091705016	7.82	3740	0.031	0.407	0.074	0.117	249.888030	-47.558250	-662.85	-2381.15
7	GUIDE	1091709768	7.71	3739	0.057	0.051	0.059	0.096	249.435228	-47.706899	-996.33	-1206.96

2.4 Star Slots

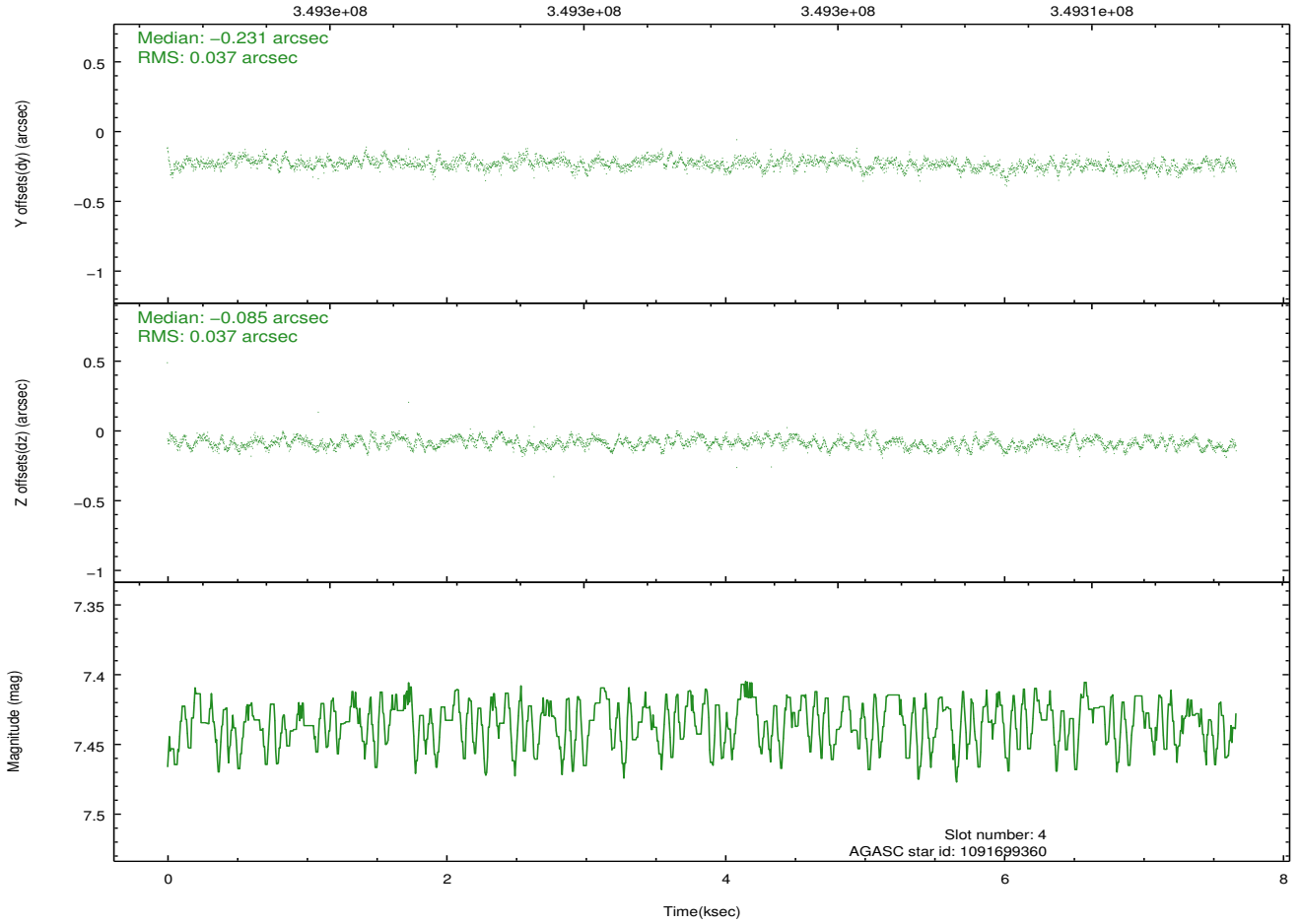
2.4.1 Slot 3



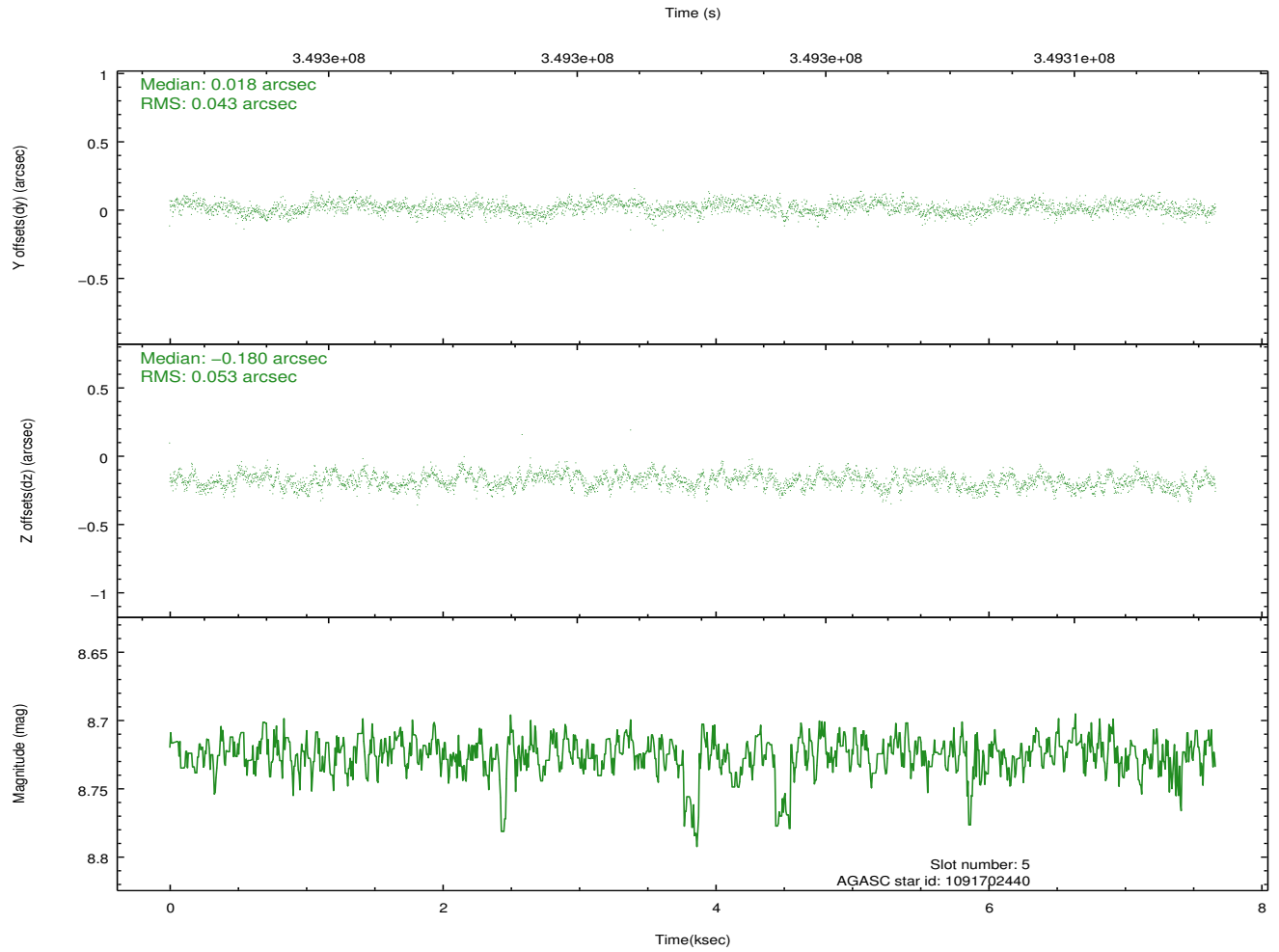
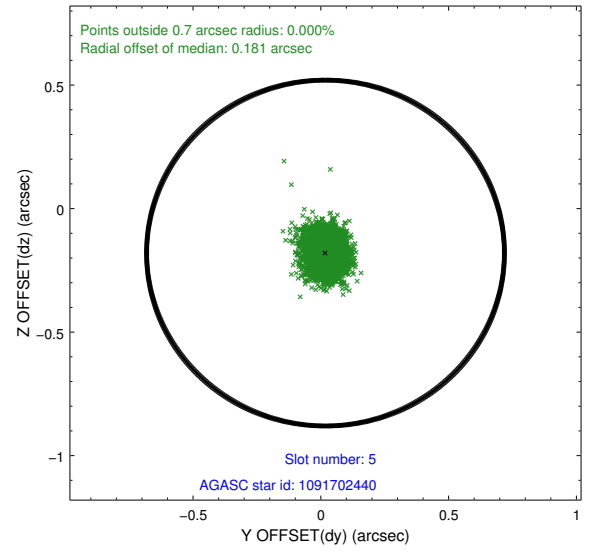
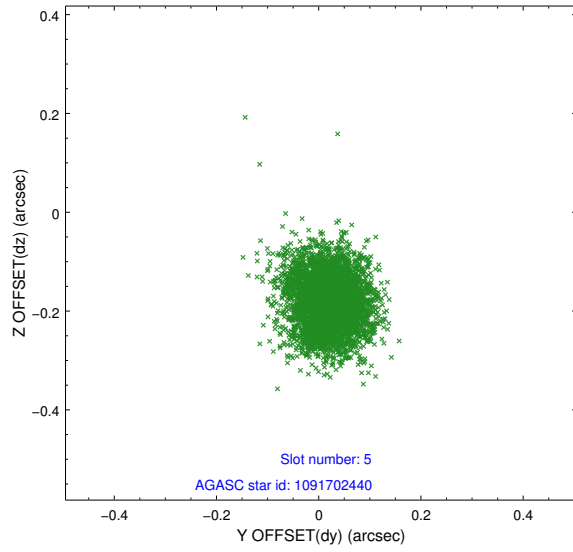
2.4.2 Slot 4



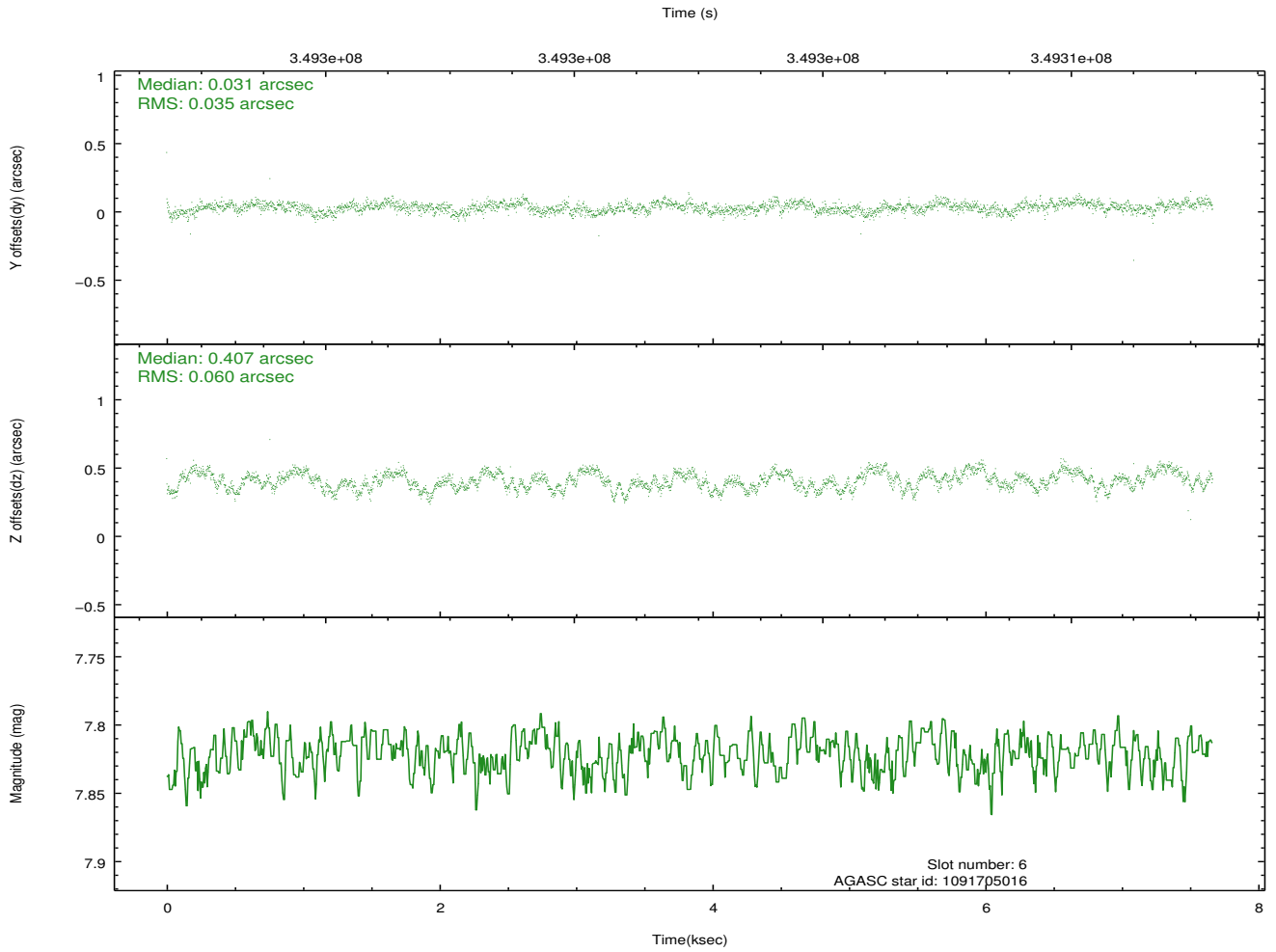
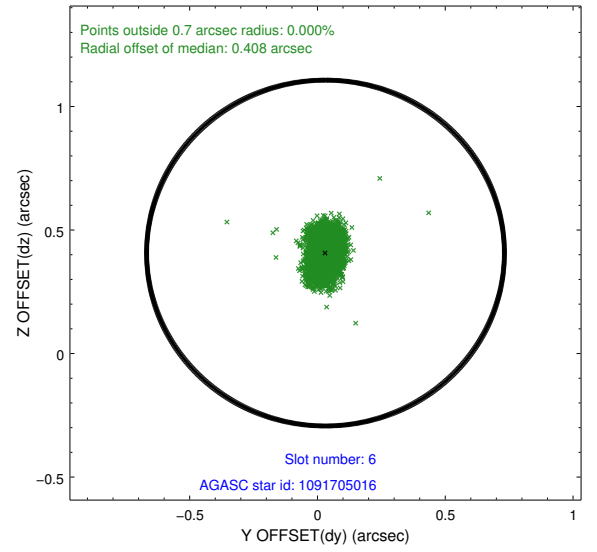
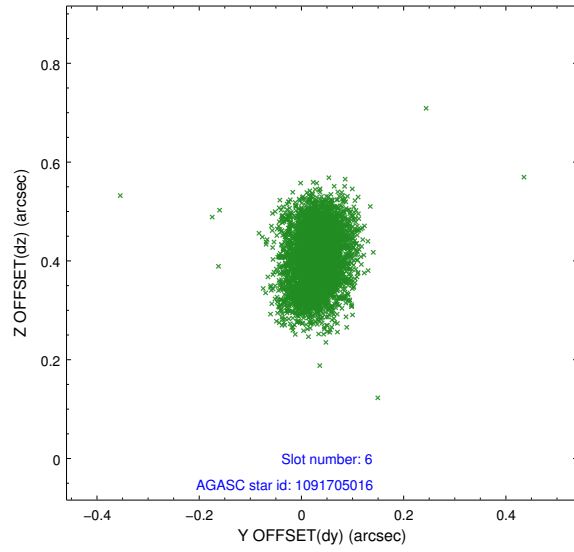
Time (s)



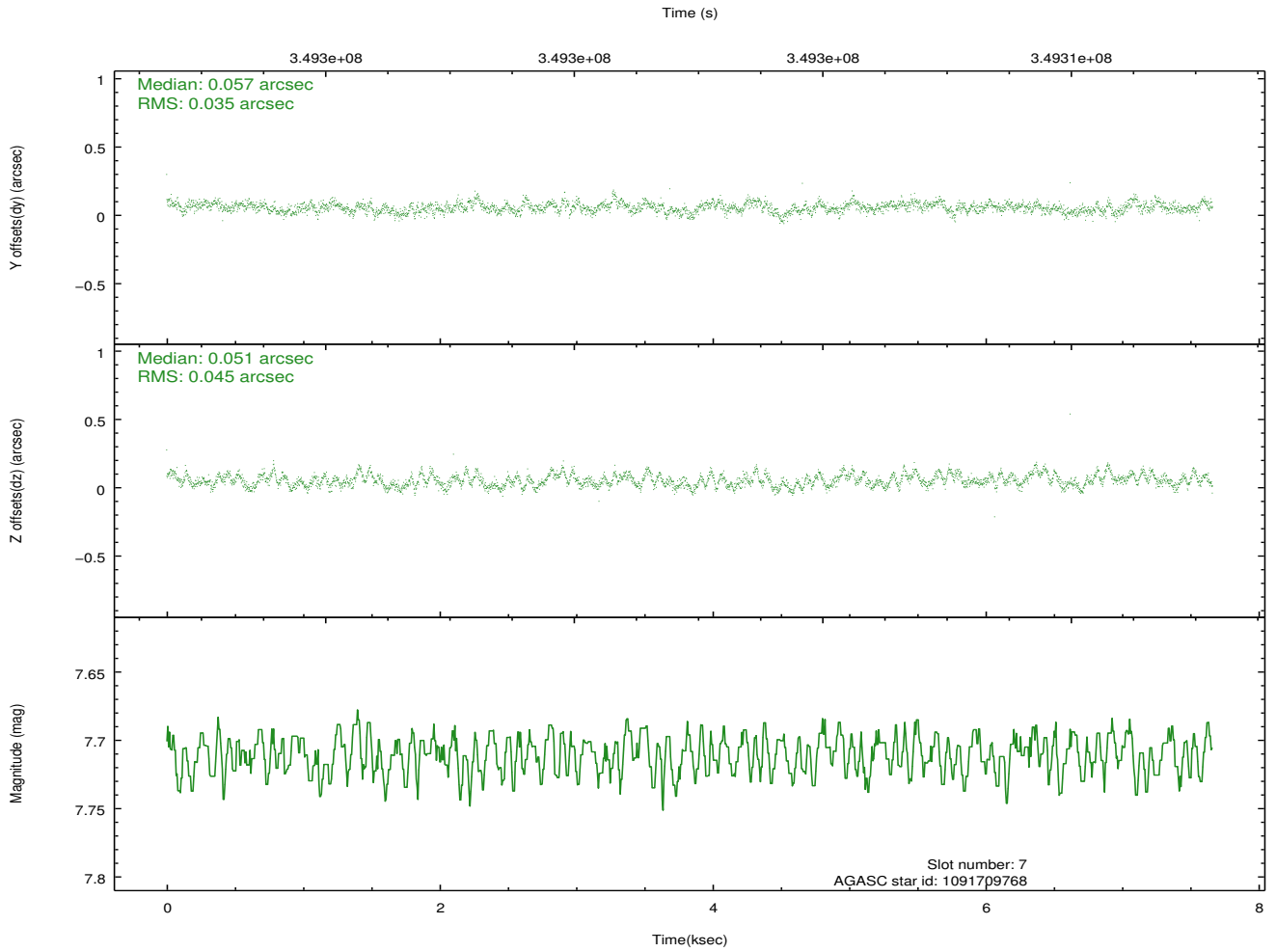
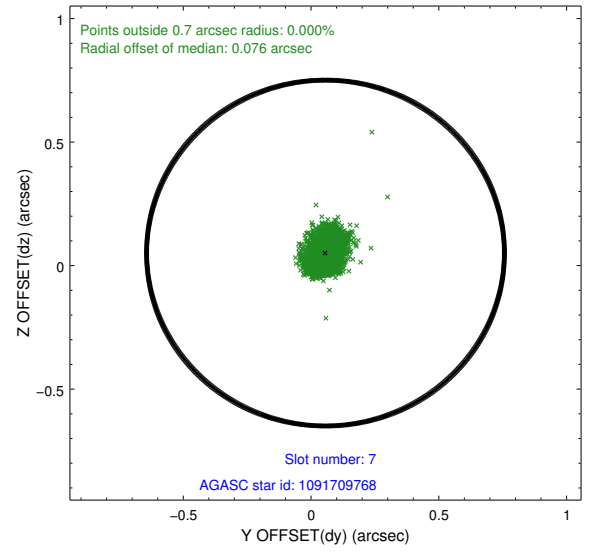
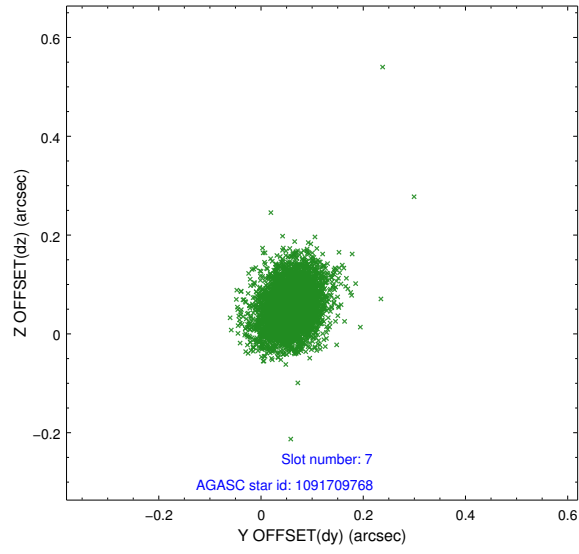
2.4.3 Slot 5



2.4.4 Slot 6

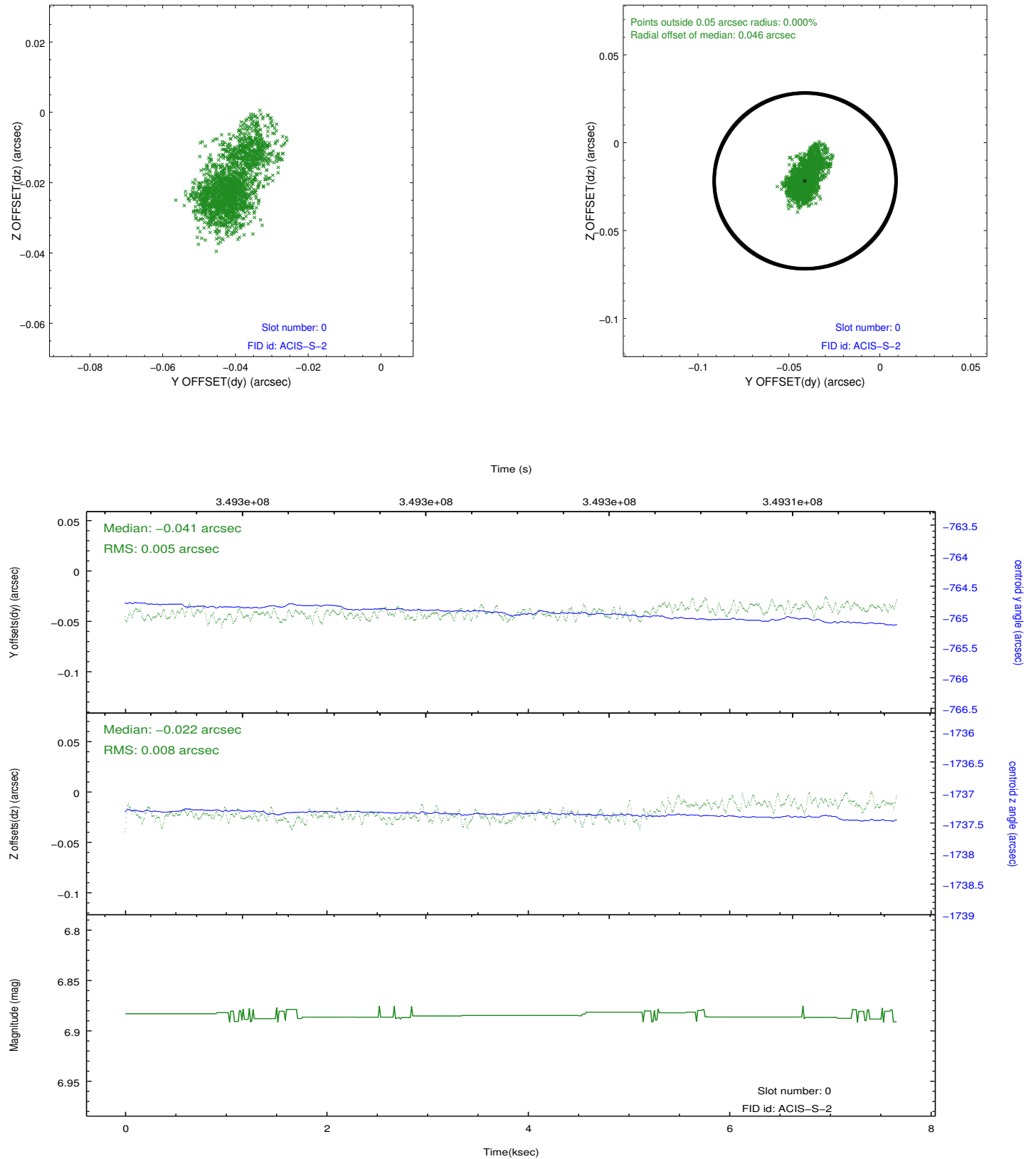


2.4.5 Slot 7

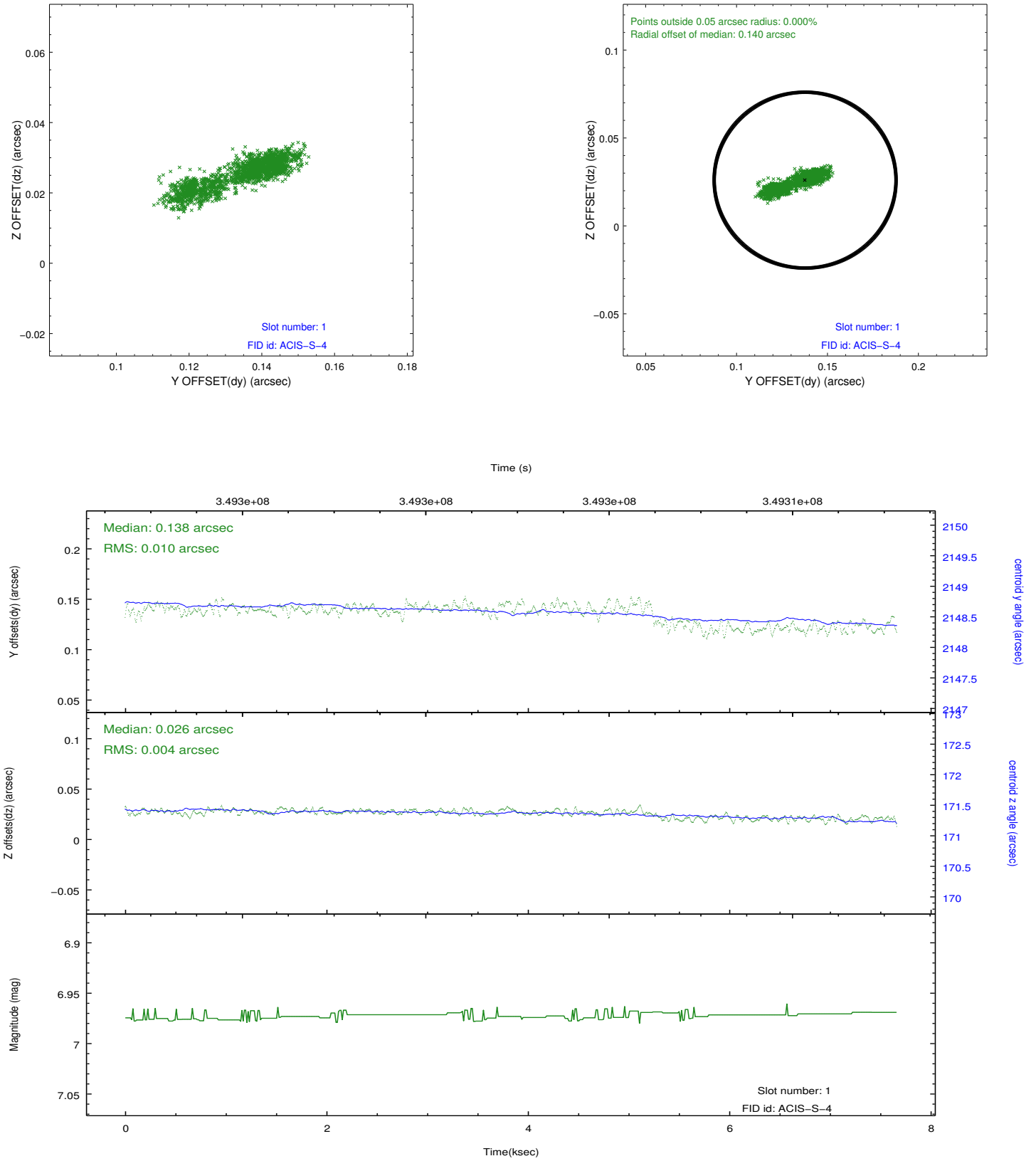


2.5 FID Slots

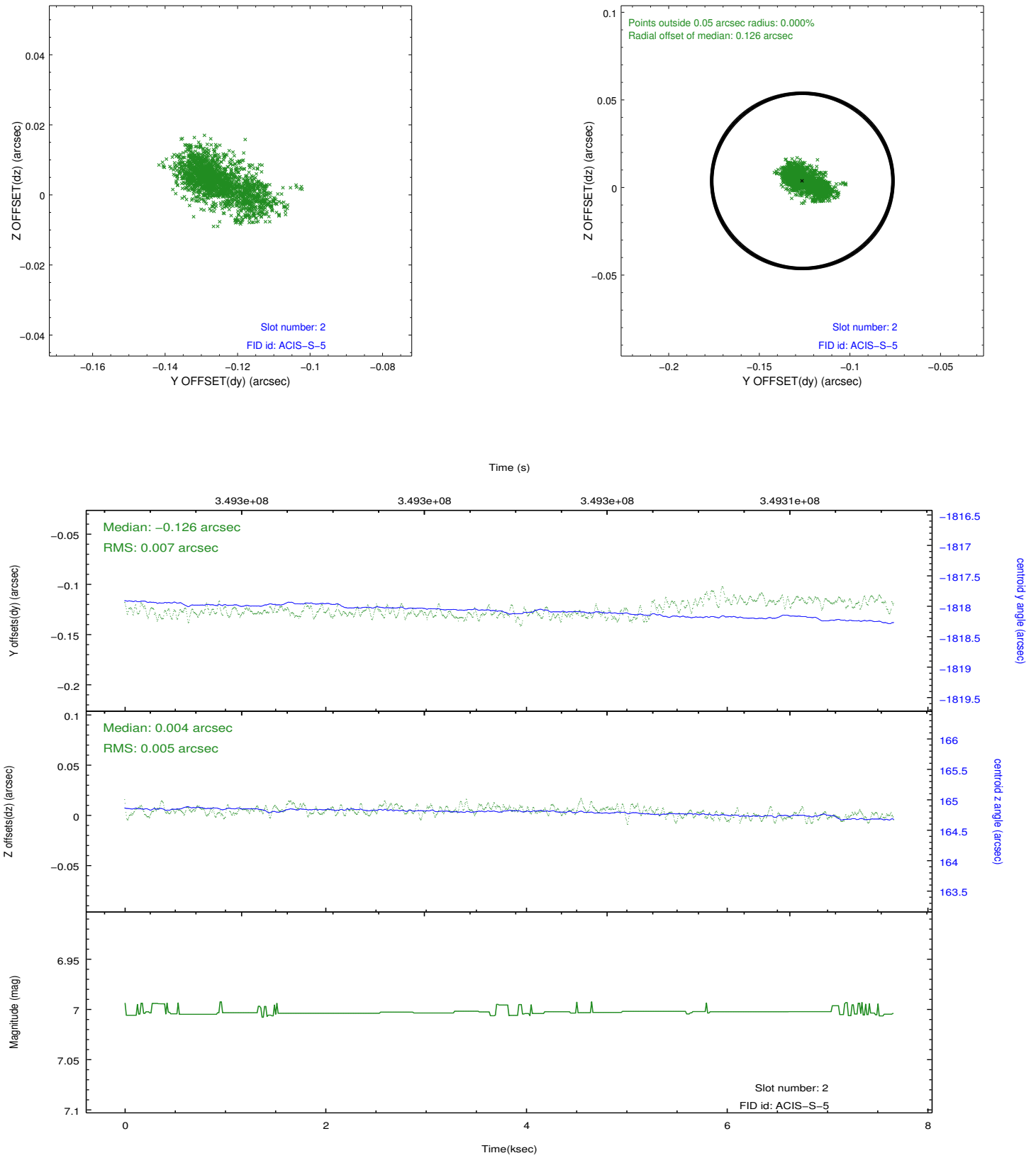
2.5.1 Slot 0



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	6.64959997

A.2 Comments