

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8240 - L2 Version 2
Chandra X-Ray Center

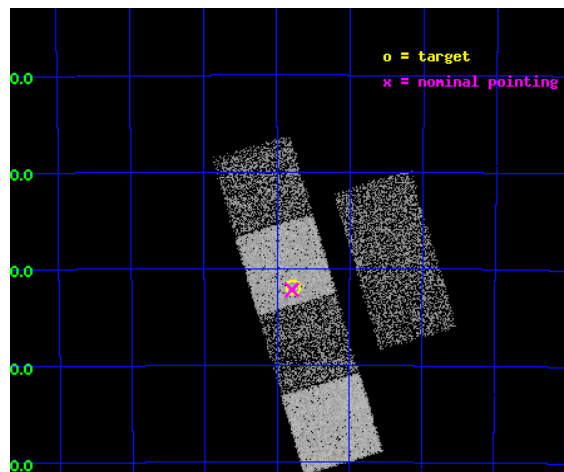
L2 Processing Date : Apr 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

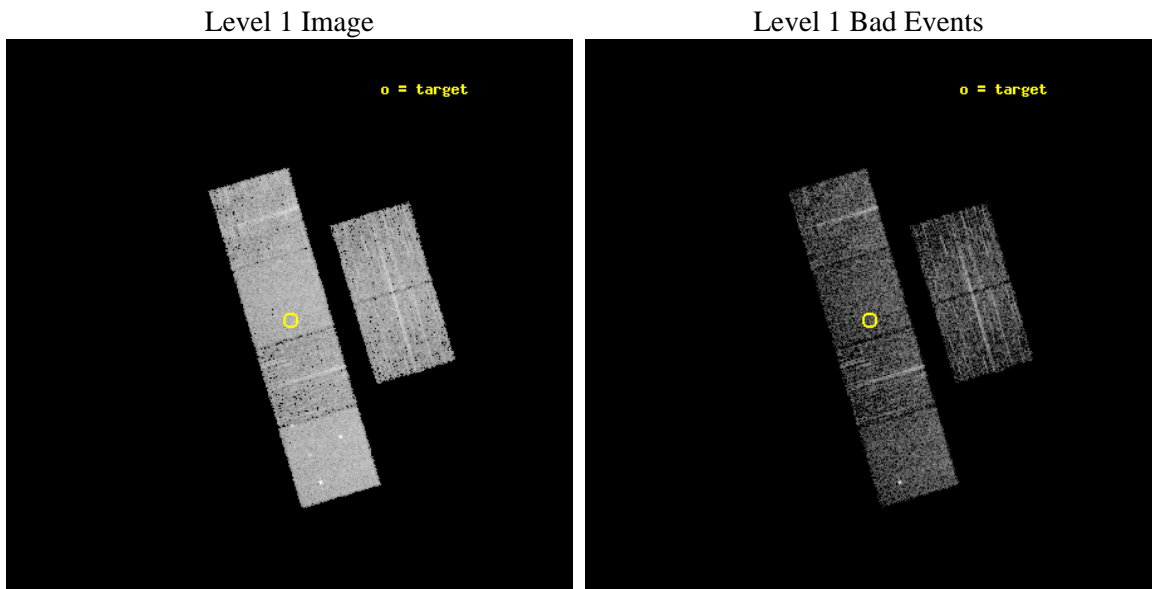
seq_num	900730	Sequence number
obs_id	8240	Observation id
title	Chandra Identification of Compact ASCA Galactic Objects - Part II	
observer	Dr. Stephen Murray	Principal investigator
object	AX J144547-5931	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.445833	Observer's specified target RA [deg]
dec_targ	-59.532	Observer's specified target Dec [deg]
ra_nom	221.44873794438	Nominal RA [deg]
dec_nom	-59.536606001588	Nominal Dec [deg]
roll_nom	253.49540947989	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2550.1316711307	Sum of GTIs [s]
livetime	2517.8403684059	Livetime [s]
ontime2	2550.172711134	Sum of GTIs [s]
ontime3	2550.0085511208	Sum of GTIs [s]
ontime5	2550.0906311274	Sum of GTIs [s]
ontime6	2550.0495911241	Sum of GTIs [s]
ontime7	2550.1316711307	Sum of GTIs [s]
ontime8	2549.9675111175	Sum of GTIs [s]
l2events	41209	Number of level 2 events



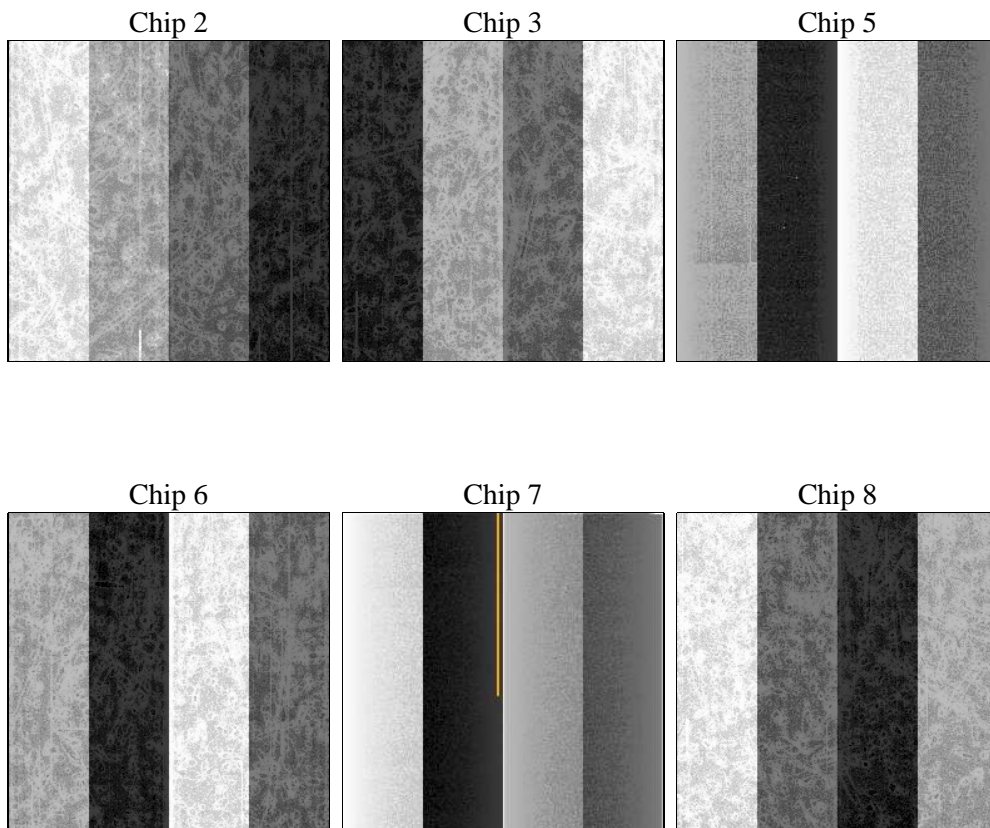
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2550.1316711307	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2550.172711134	Sum of GTIs [s]
date	2012-04-29T13:09:55	Date and time of file creation	ontime3	2550.0085511208	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2550.0906311274	Sum of GTIs [s]
			ontime6	2550.0495911241	Sum of GTIs [s]
			ontime7	2550.1316711307	Sum of GTIs [s]
			ontime8	2549.9675111175	Sum of GTIs [s]
			l1events	176605	Number of level 1 events

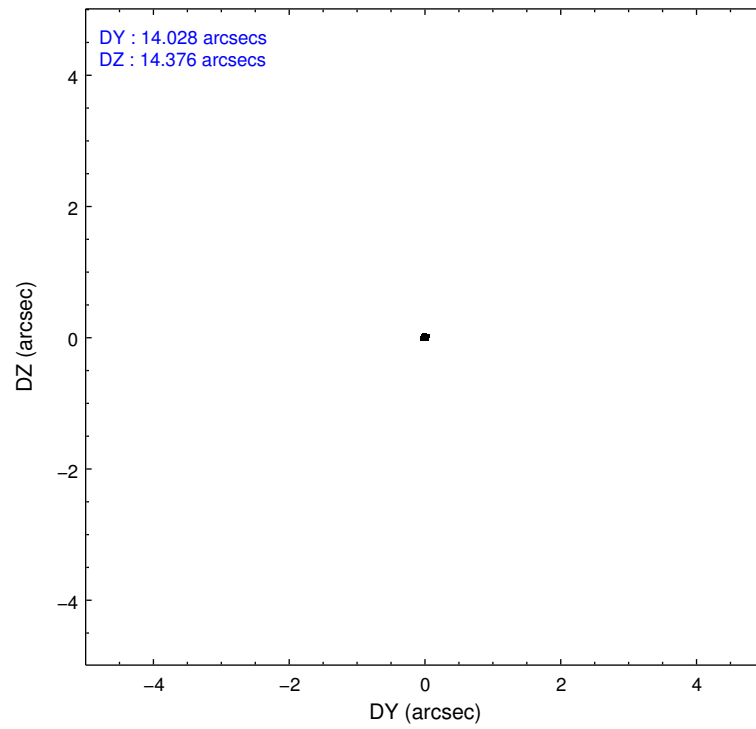
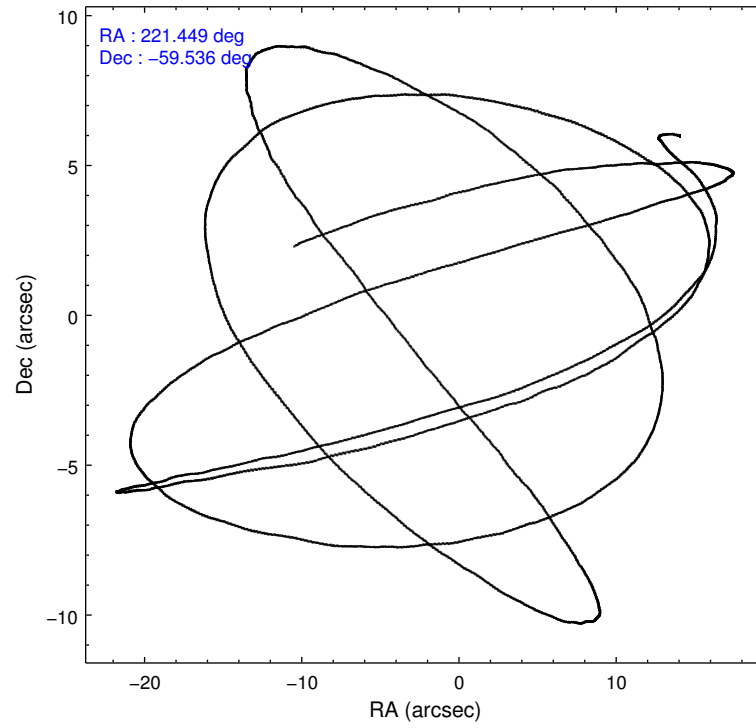
2.1.4 Events

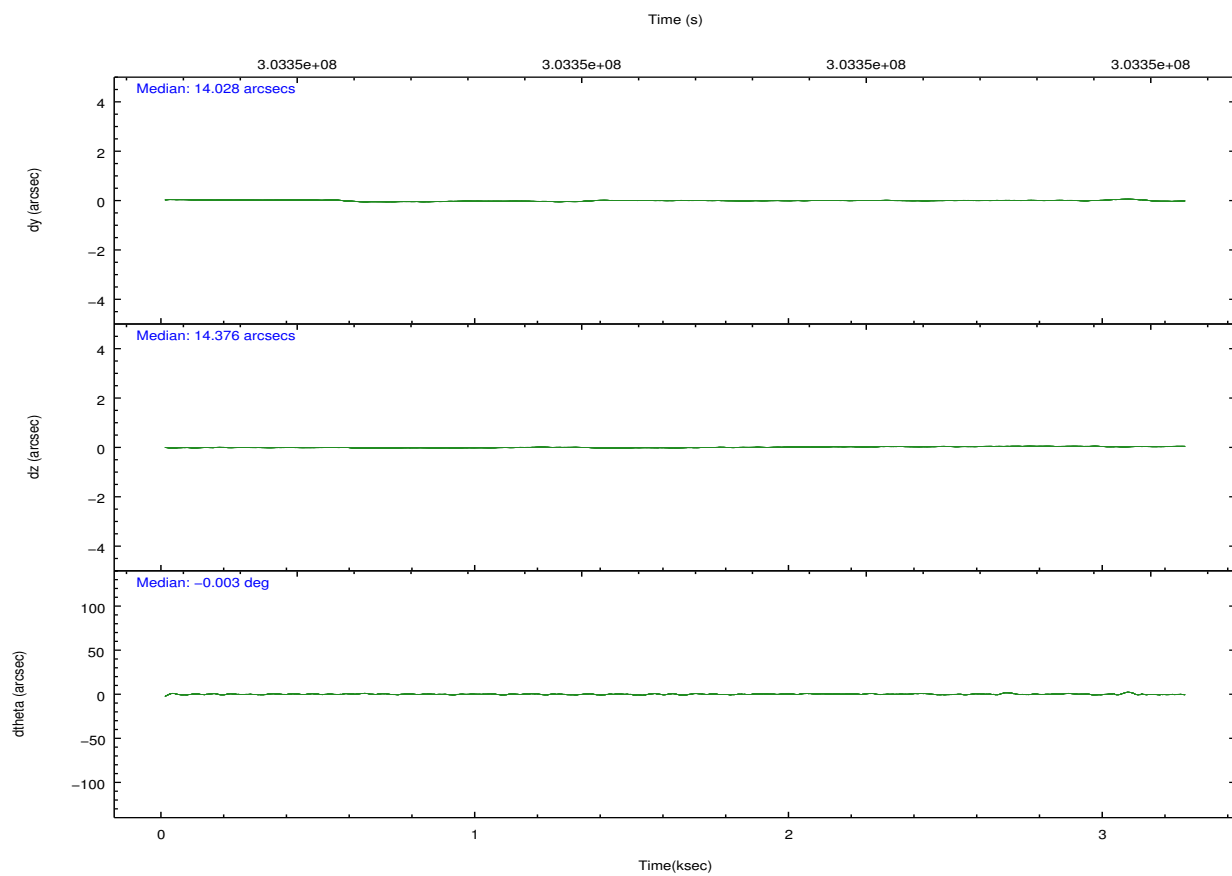
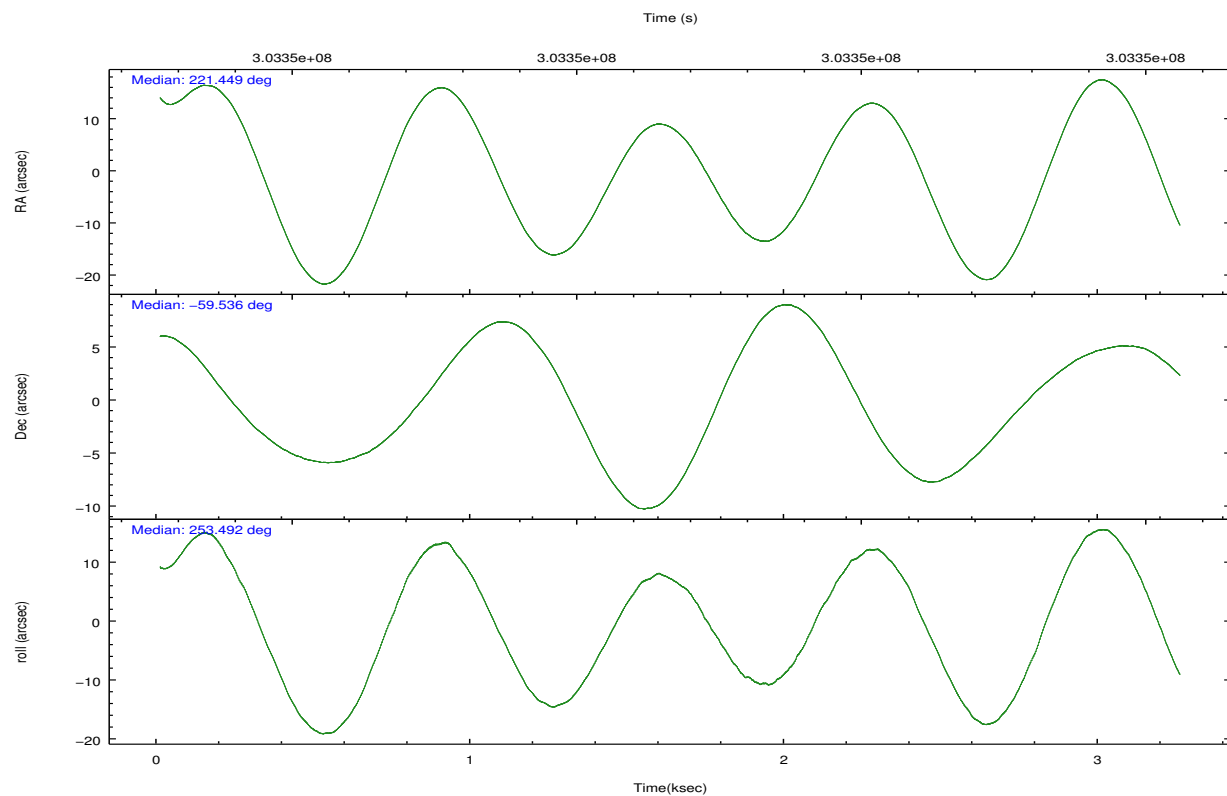
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24144	24582	39142	24167	34160	30410	grade 0 events	1299	1320	1695	1194	1253	2354
rejected events	21175	21668	21264	21100	19870	23151		5%	5%	4%	4%	3%	7%
rejected %	87%	88%	54%	87%	58%	76%	grade 1 events	15	12	68	18	39	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	636	614	5595	684	2804	1607
								2%	2%	14%	2%	8%	5%
							grade 3 events	279	266	658	297	1246	800
								1%	1%	1%	1%	3%	2%
							grade 4 events	264	233	578	299	1217	744
								1%	0%	1%	1%	3%	2%
							grade 5 events	958	1159	2860	1100	3190	1536
								3%	4%	7%	4%	9%	5%
							grade 6 events	494	489	9375	597	7787	1765
								2%	1%	23%	2%	22%	5%
							grade 7 events	20199	20489	18313	19978	16624	21575
								83%	83%	46%	82%	48%	70%

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	221.435060	221.4487379443814	CCD I2 on	O2	Y
[deg] Pointing Dec	-59.510177	-59.53660600158817	CCD I3 on	O3	Y
[deg] Pointing Roll	253.326998	253.4954094798854	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)	303346359.184000	303345166.17767	CCD S5 on	N	N
Observation start date	2007-08-12T22:51:34	2007-08-12T22:32:46	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	303348959.184000	303349834.54039	On-chip summing requested	N	N
Observation end date	2007-08-12T23:34:54	2007-08-12T23:50:34	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



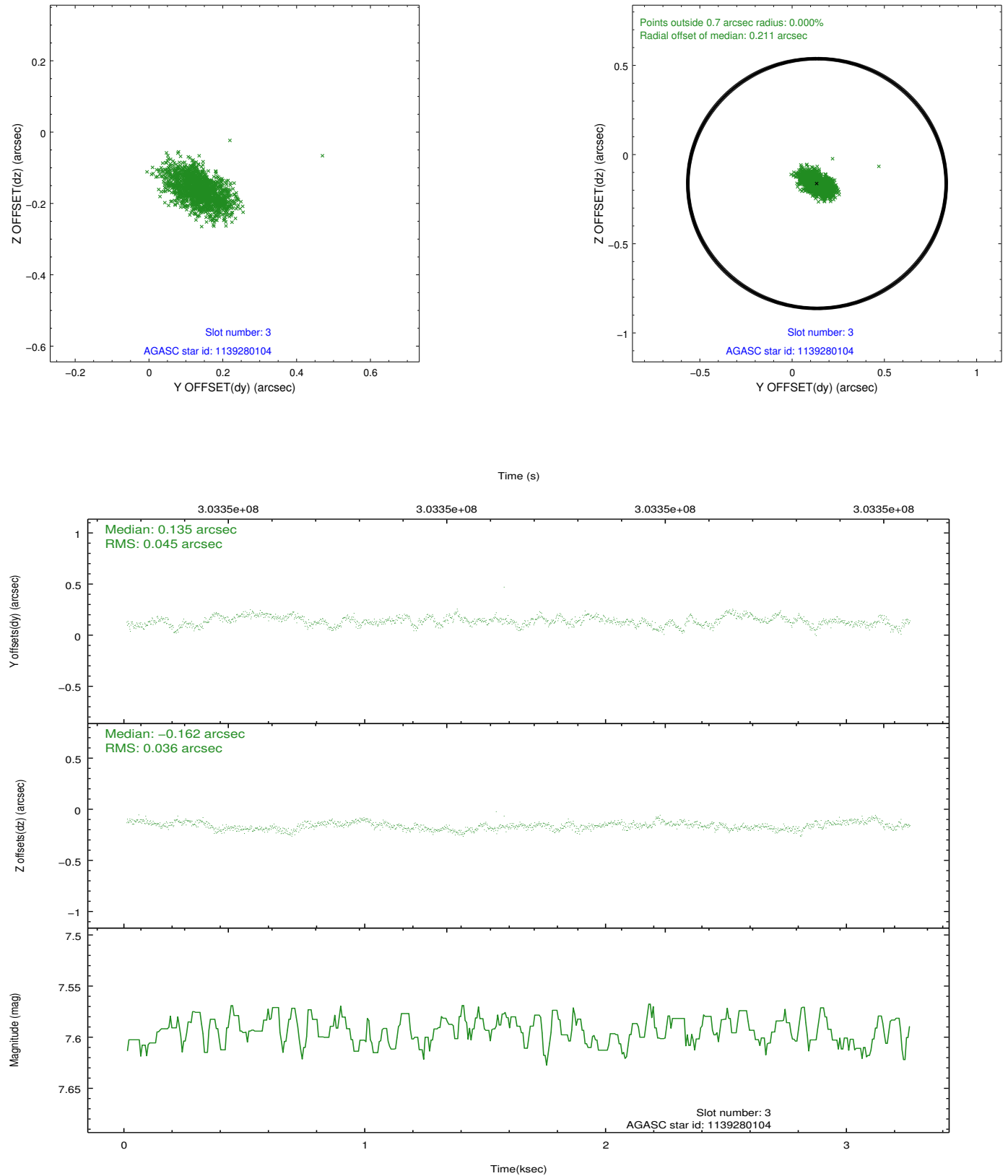


Slot Statistics

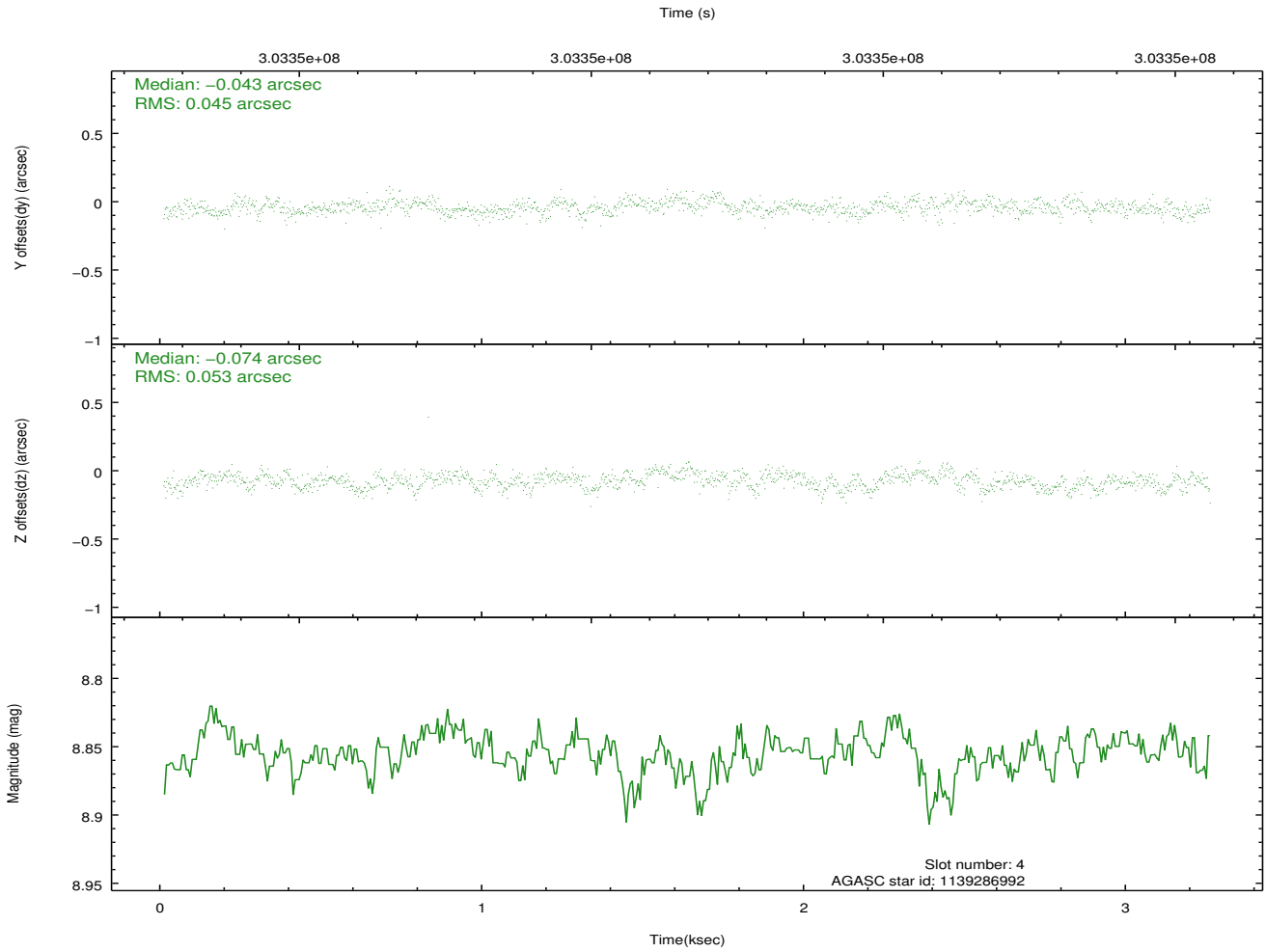
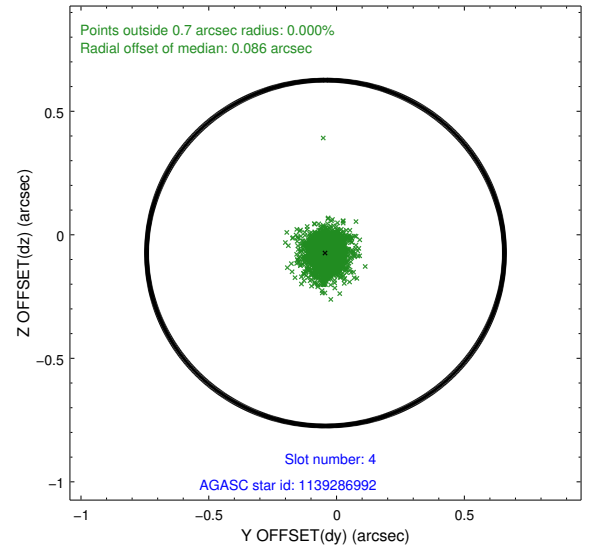
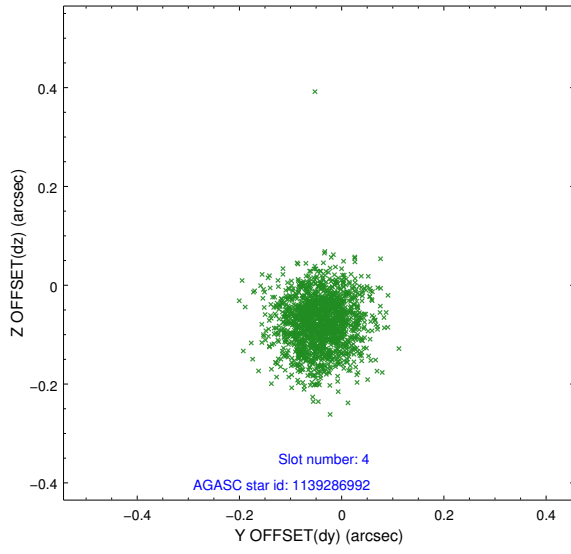
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	793	-0.126	-0.084	0.006	0.010	0.000000	0.000000	-767.11	-1735.77
1	FID	ACIS-S-4	7.19	793	0.139	0.066	0.006	0.011	0.000000	0.000000	2145.55	170.80
2	FID	ACIS-S-6	7.33	793	-0.040	0.026	0.007	0.013	0.000000	0.000000	397.49	810.40
3	GUIDE	1139280104	7.59	1587	0.135	-0.162	0.061	0.101	220.067386	-59.751255	1568.36	-2119.94
4	GUIDE	1139286992	8.86	1586	-0.043	-0.074	0.074	0.120	220.957321	-58.793309	-2211.87	-1595.05
5	GUIDE	1139289672	8.58	1586	-0.055	0.087	0.063	0.103	222.381681	-59.131816	-1794.82	1285.55
6	GUIDE	1180603928	8.56	1582	-0.001	0.039	0.058	0.092	221.667170	-60.135023	2035.65	1044.93
7	GUIDE	1139291160	8.46	1586	-0.039	0.109	0.116	0.165	222.064782	-59.190974	-1426.86	784.58

2.4 Star Slots

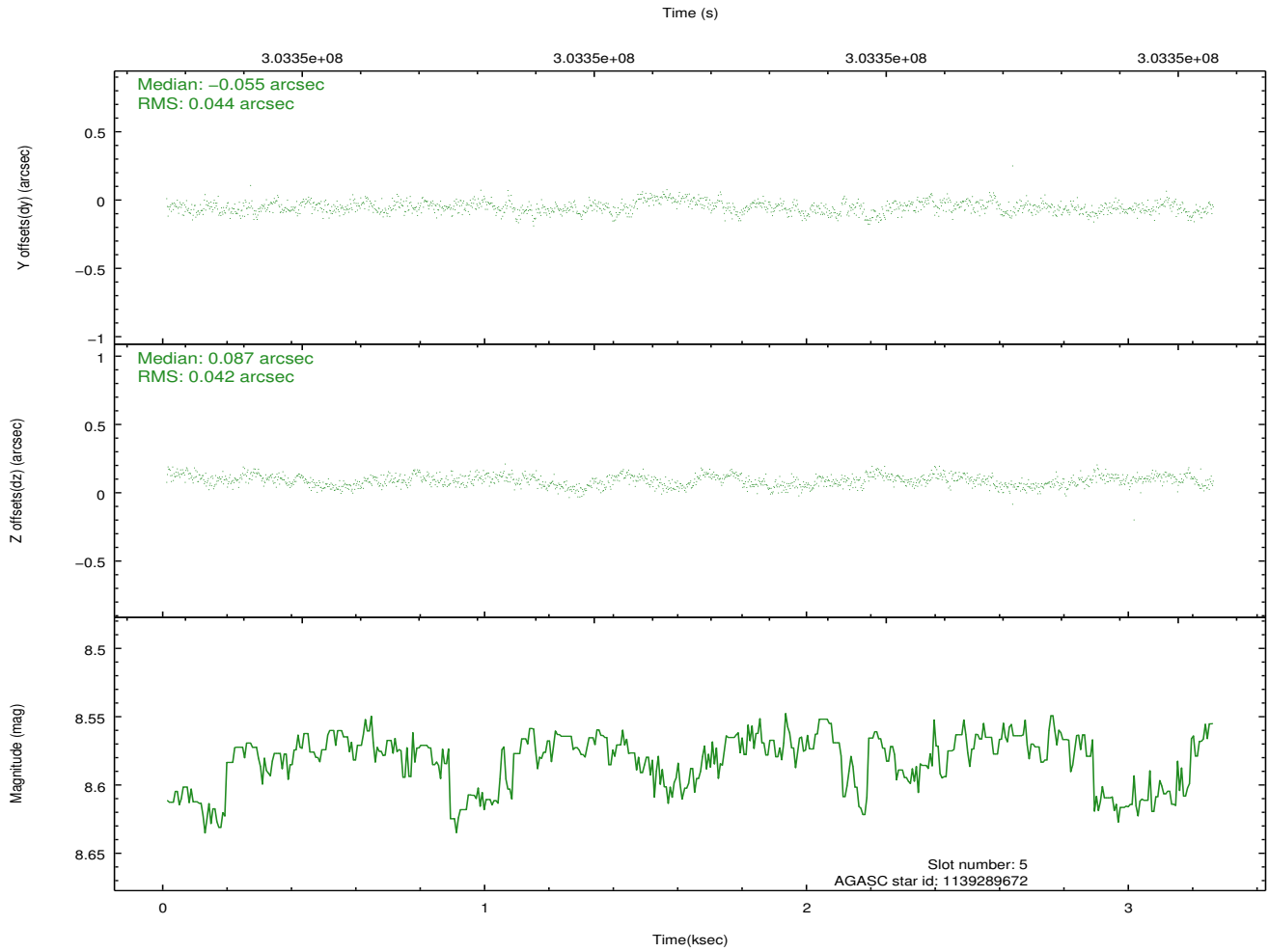
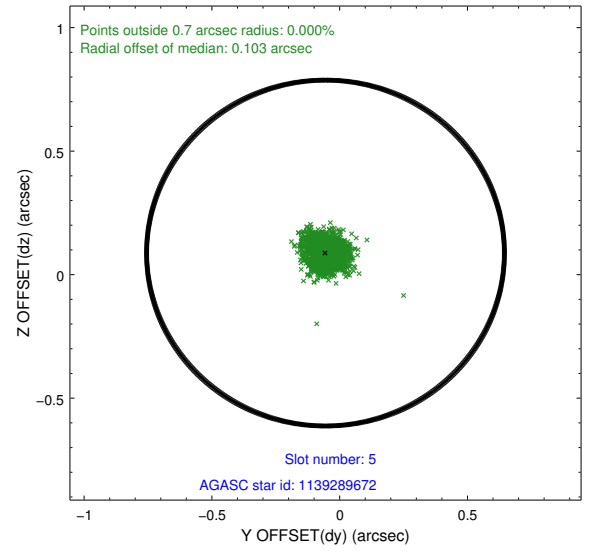
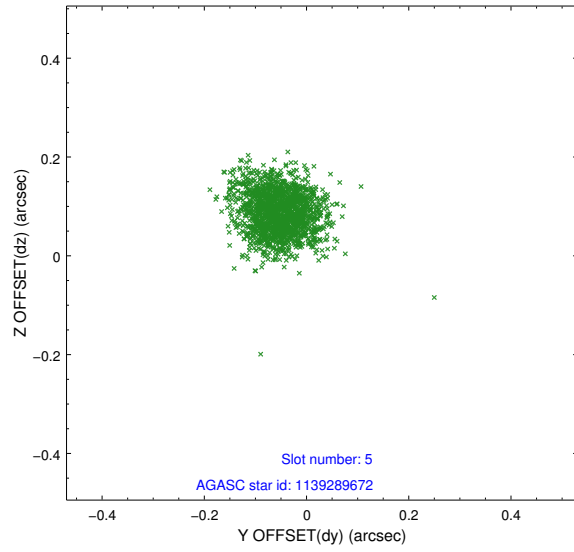
2.4.1 Slot 3



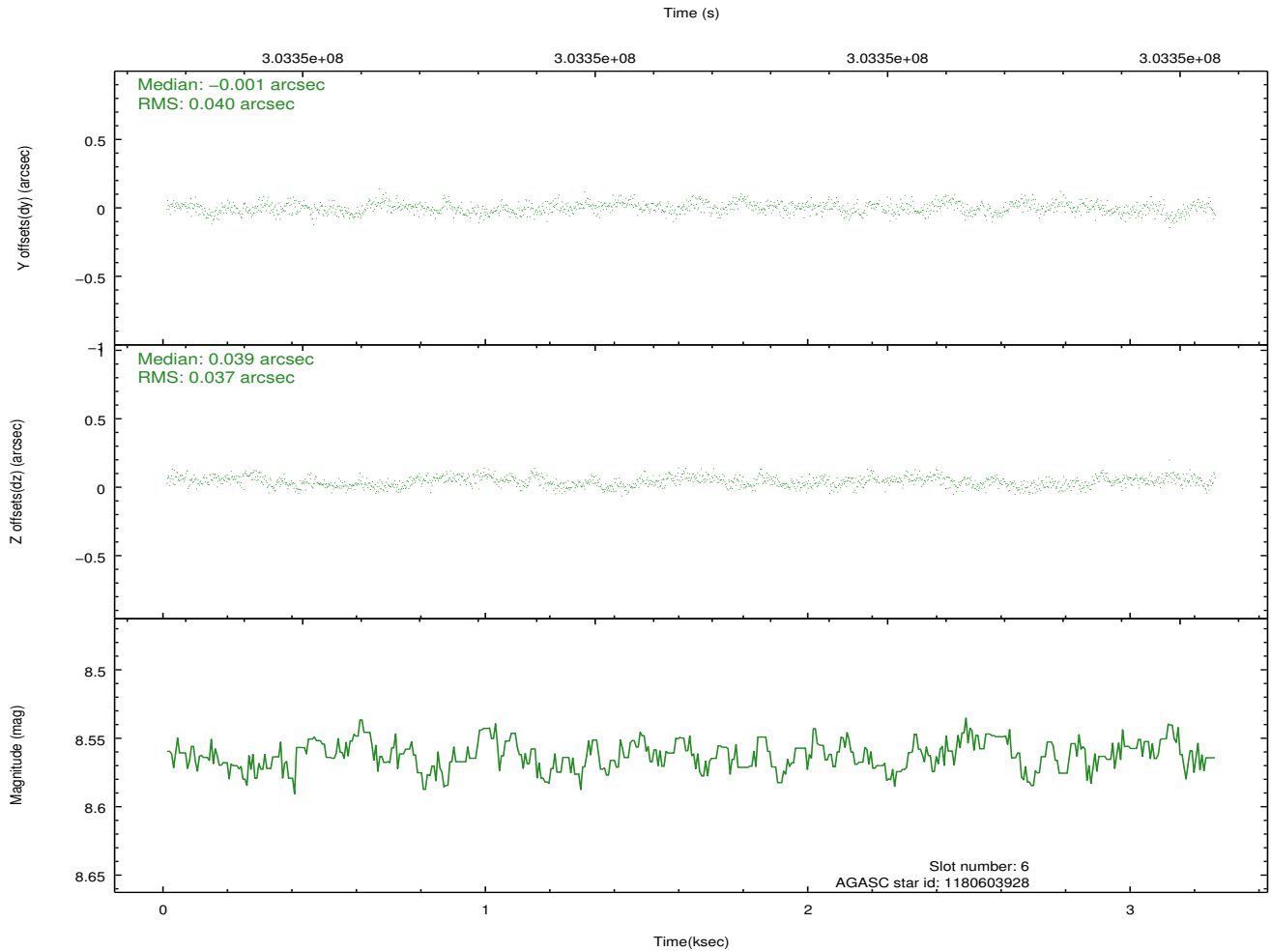
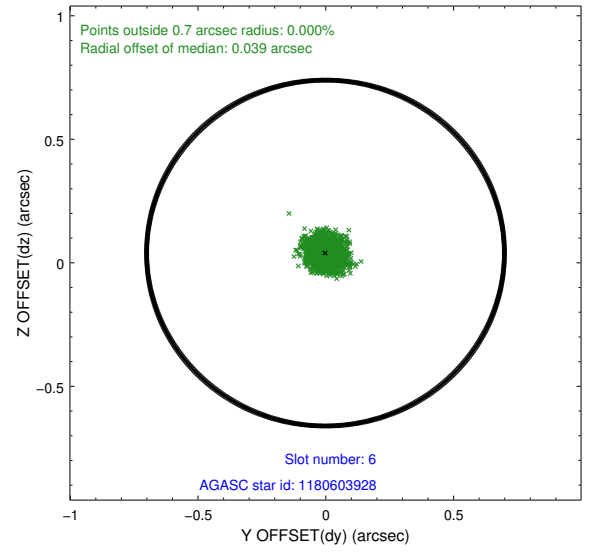
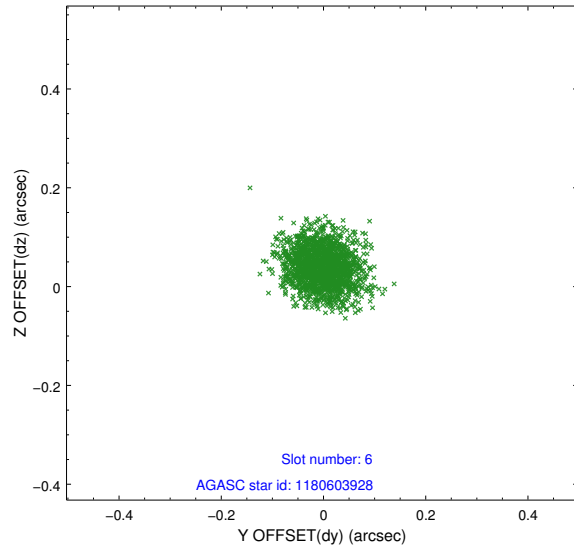
2.4.2 Slot 4



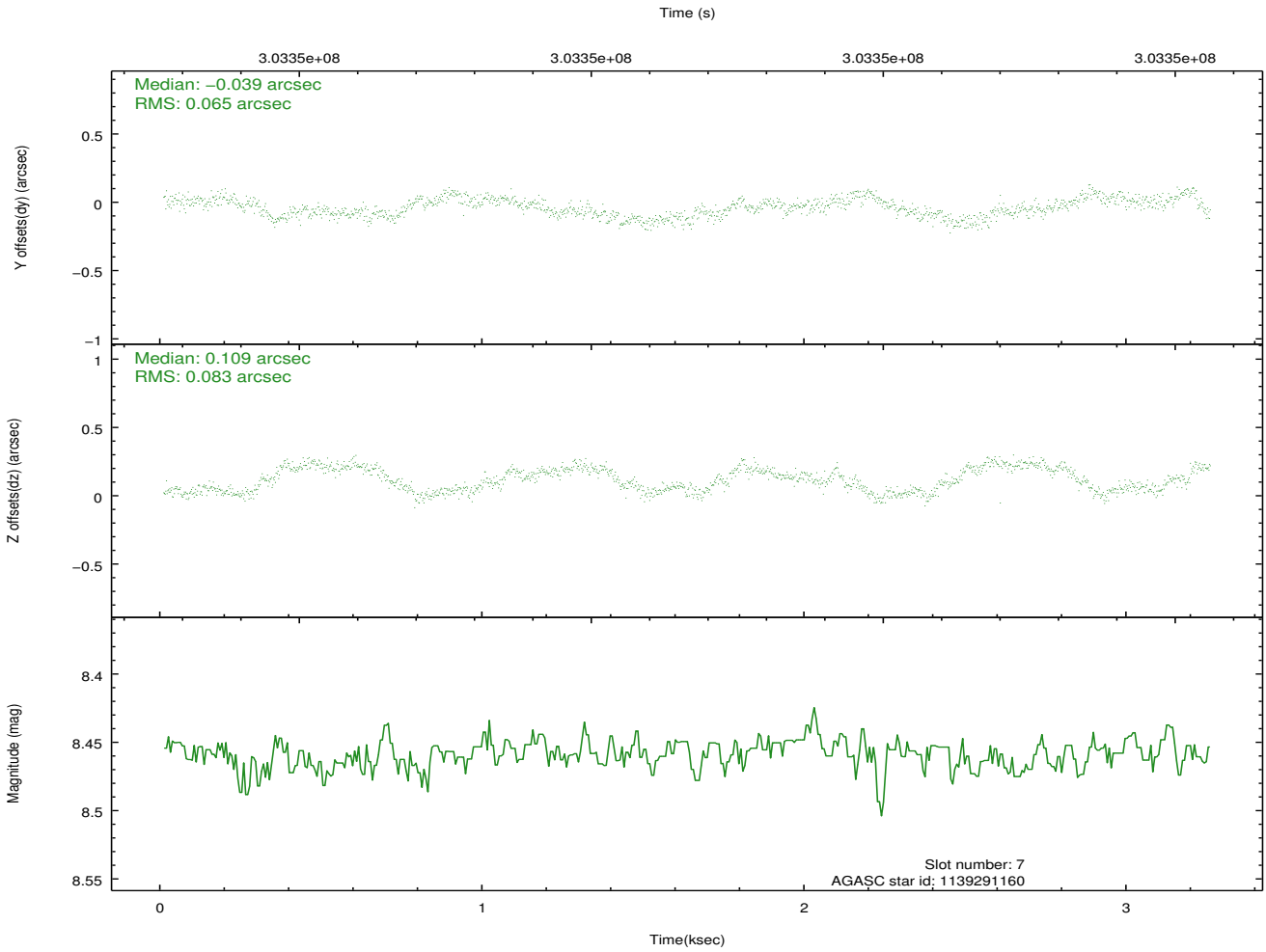
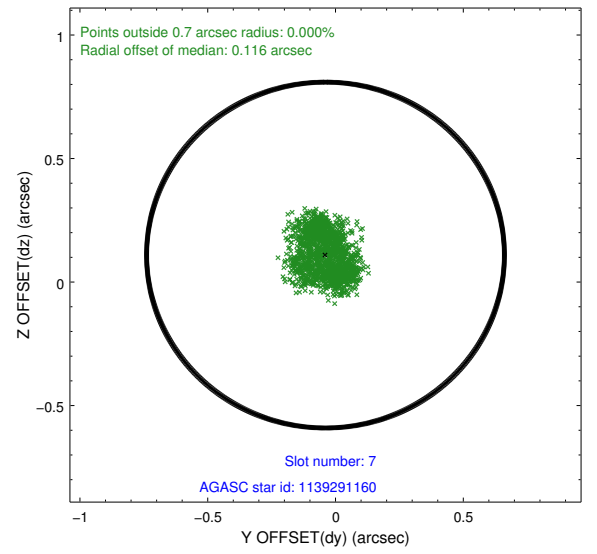
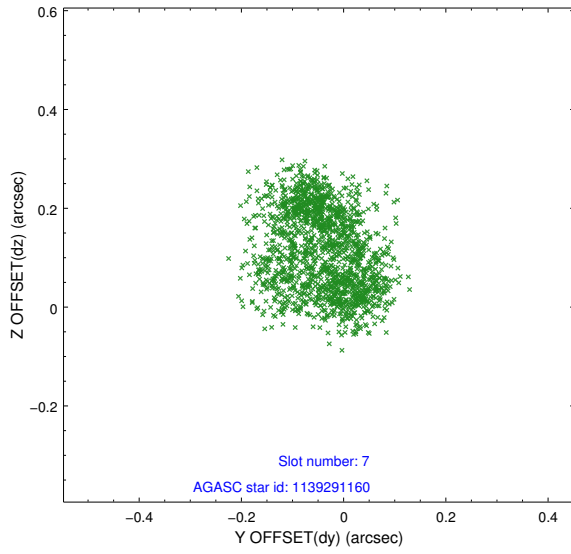
2.4.3 Slot 5



2.4.4 Slot 6

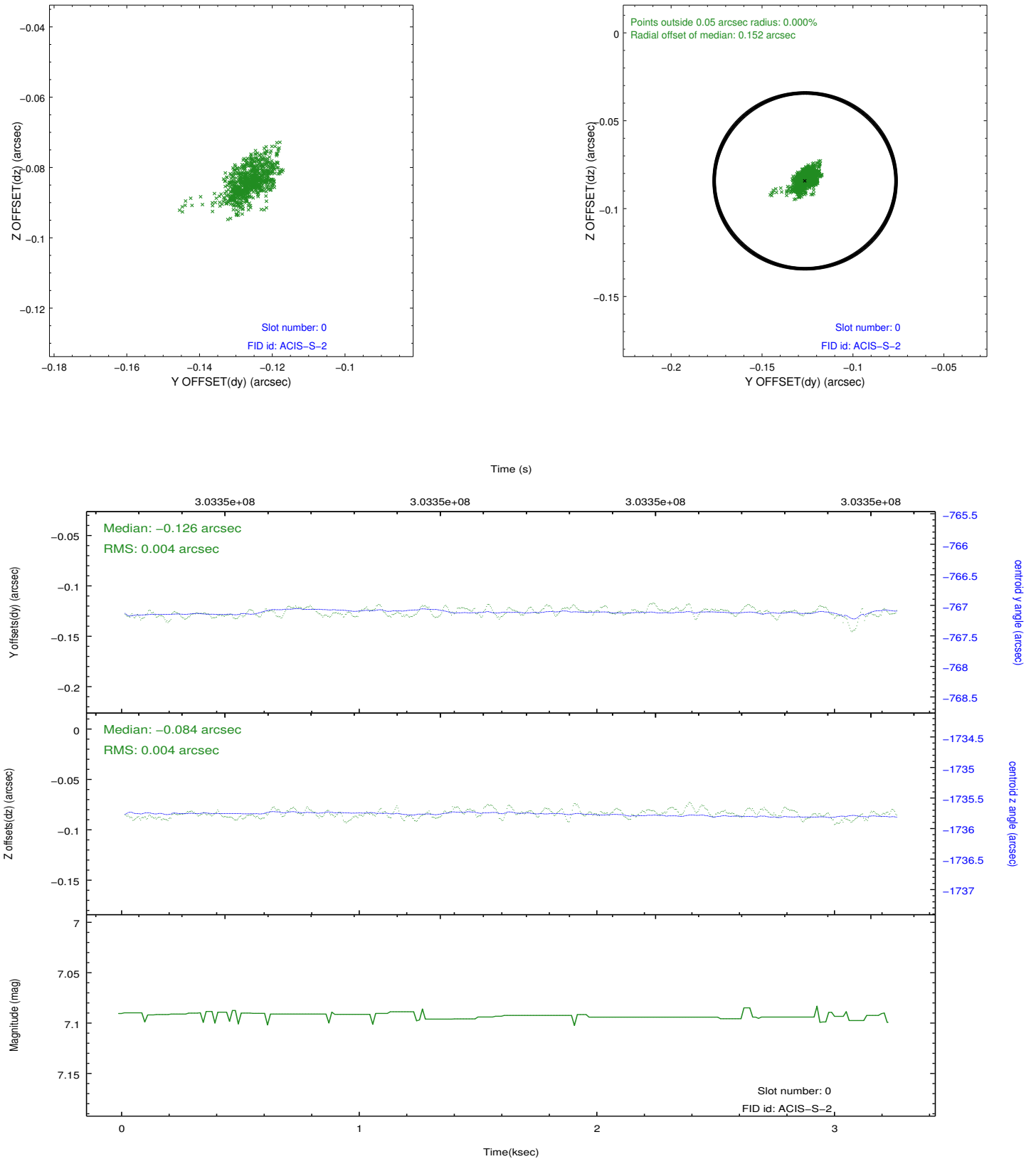


2.4.5 Slot 7

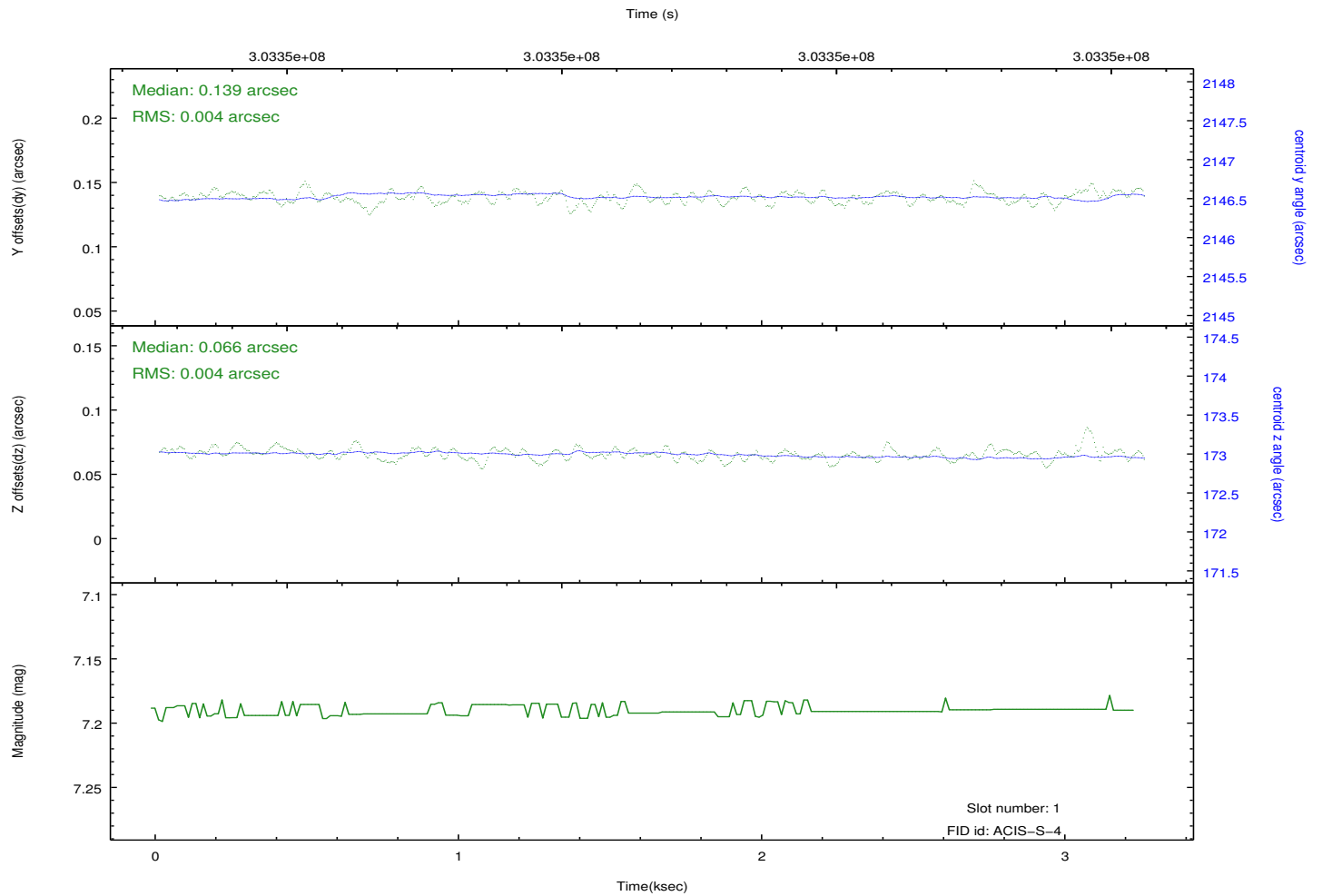
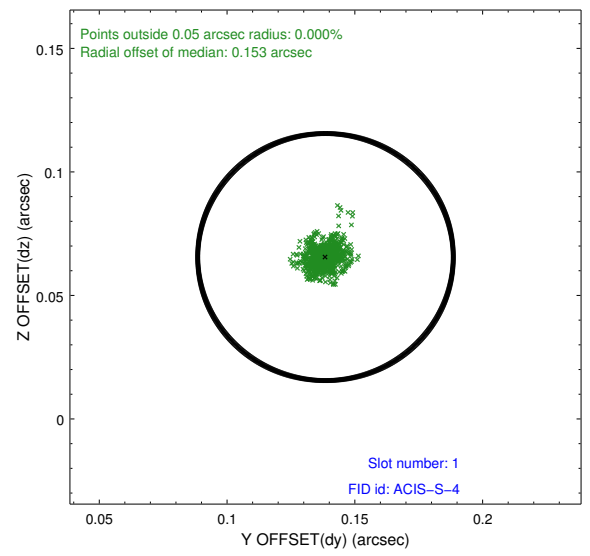
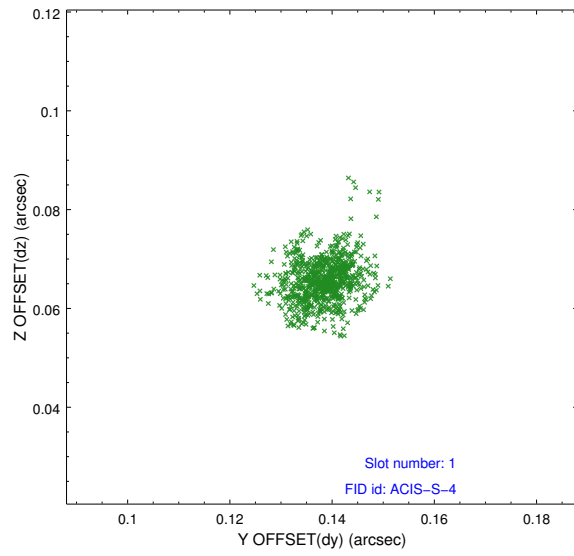


2.5 FID Slots

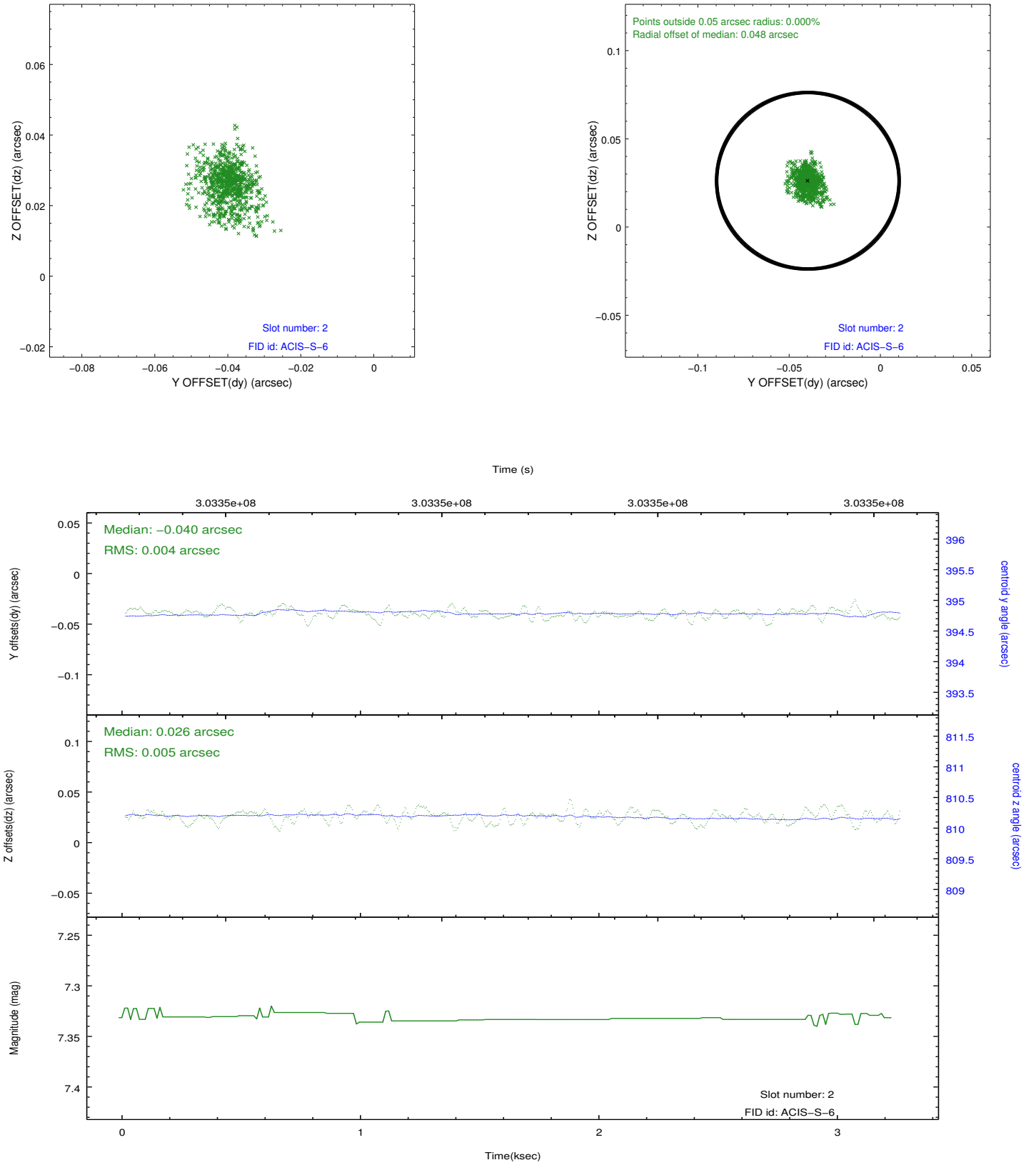
2.5.1 Slot 0



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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.55039999

A.2 Comments