

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13383 - L2 Version 1
Chandra X-Ray Center

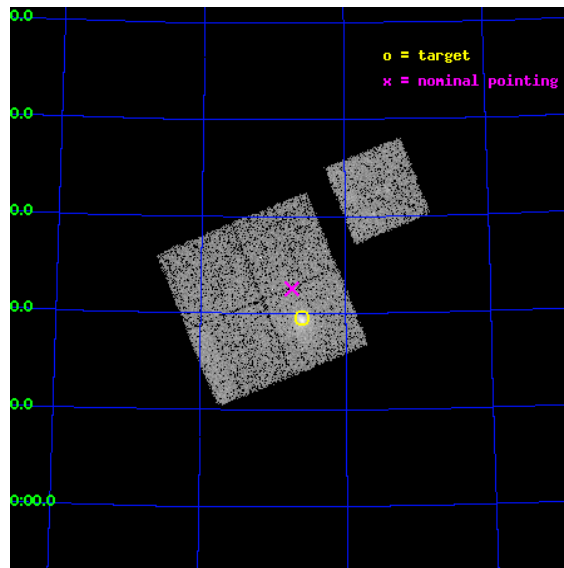
L2 Processing Date : May 4 2012

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1 Front

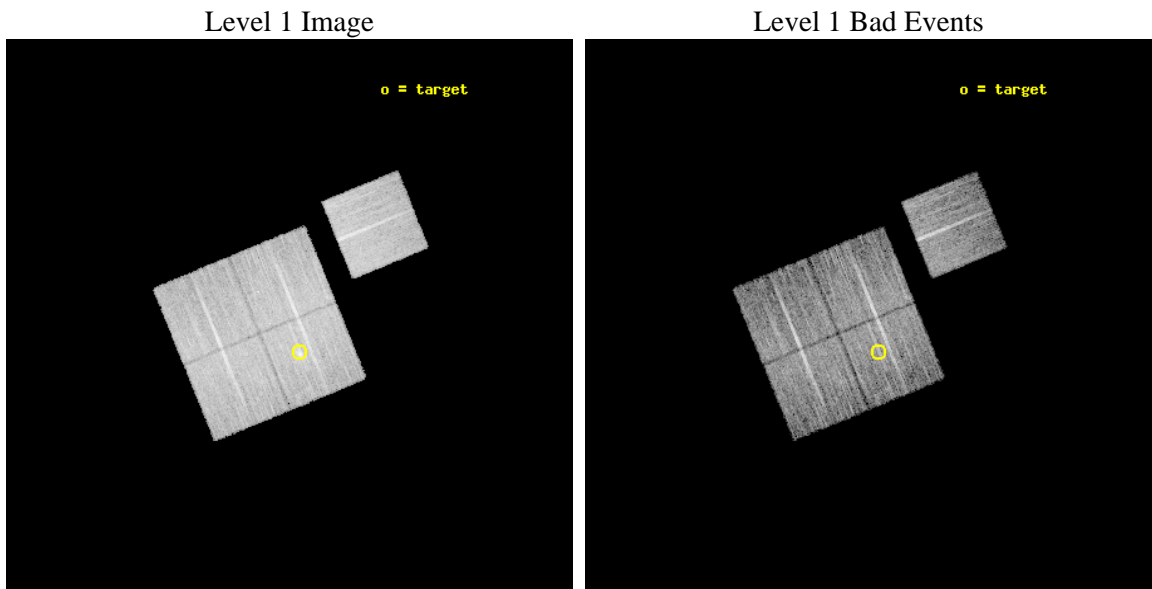
seq_num	801070	Sequence number
obs_id	13383	Observation id
title	Characterizing the Most Massive Clusters in the Local Universe	Pro
observer	Dr. Stephen Murray	Principal investigator
object	G115.71+17.52	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	336.624583	Observer's specified target RA [deg]
dec_targ	78.324611	Observer's specified target Dec [deg]
ra_nom	336.71611156549	Nominal RA [deg]
dec_nom	78.375805674874	Nominal Dec [deg]
roll_nom	67.755271035957	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14079.928607106	Sum of GTIs [s]
livetime	13895.963974362	Livetime [s]
ontime0	14076.664516747	Sum of GTIs [s]
ontime1	14079.8465271	Sum of GTIs [s]
ontime2	14079.887567103	Sum of GTIs [s]
ontime3	14079.928607106	Sum of GTIs [s]
ontime6	14079.764447093	Sum of GTIs [s]
l2events	45969	Number of level 2 events



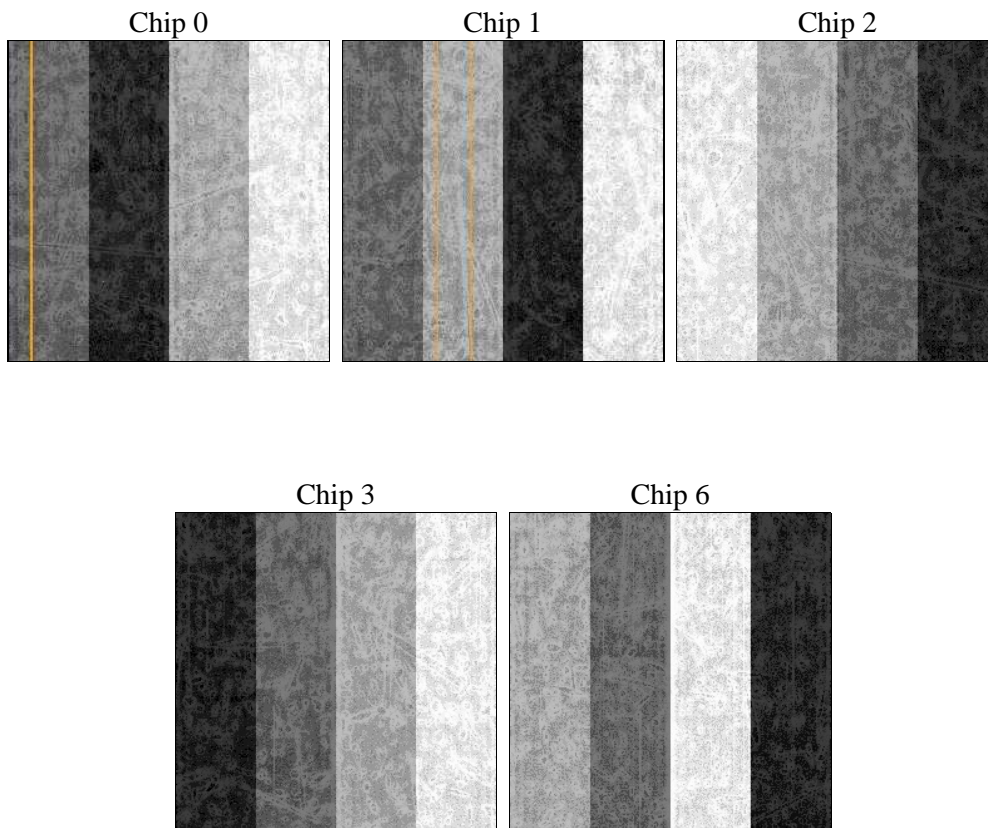
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	14000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14079.928607106	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	14076.664516747	Sum of GTIs [s]
date	2012-05-04T03:09:12	Date and time of file creation	ontime1	14079.8465271	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	14079.887567103	Sum of GTIs [s]
			ontime3	14079.928607106	Sum of GTIs [s]
			ontime6	14079.764447093	Sum of GTIs [s]
			l1events	425884	Number of level 1 events

2.1.4 Events

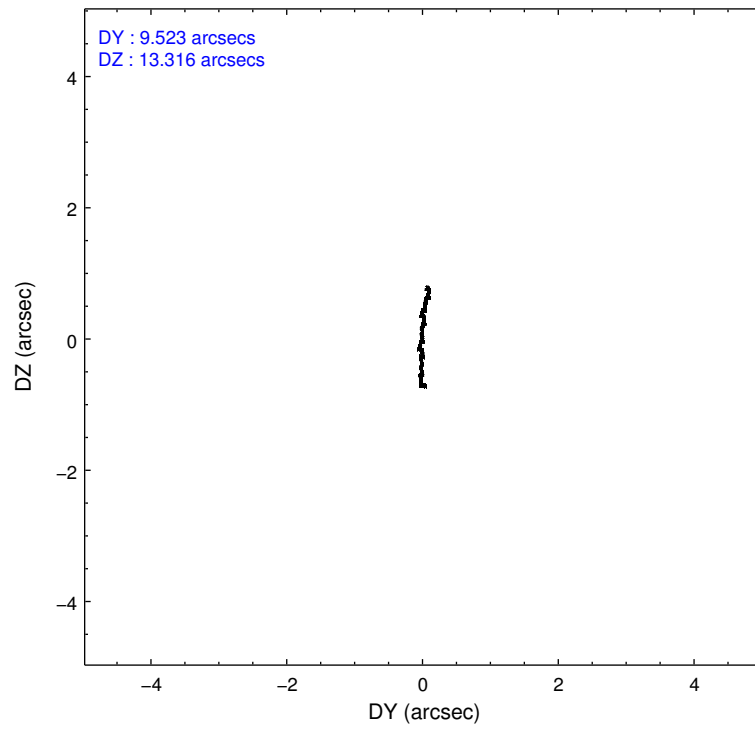
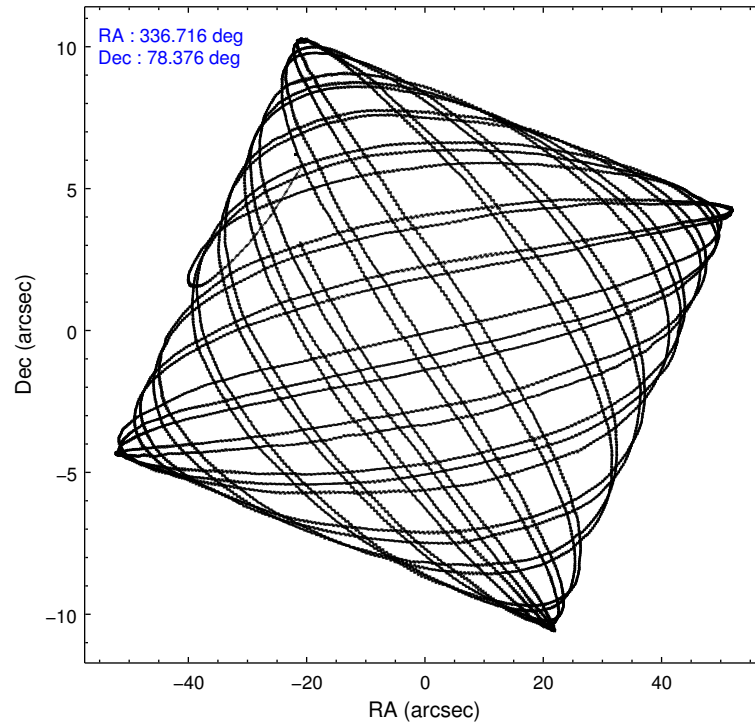
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	78228	82300	87436	89133	88787
rejected events	68437	71392	77357	76214	78439
rejected %	87%	86%	88%	85%	88%

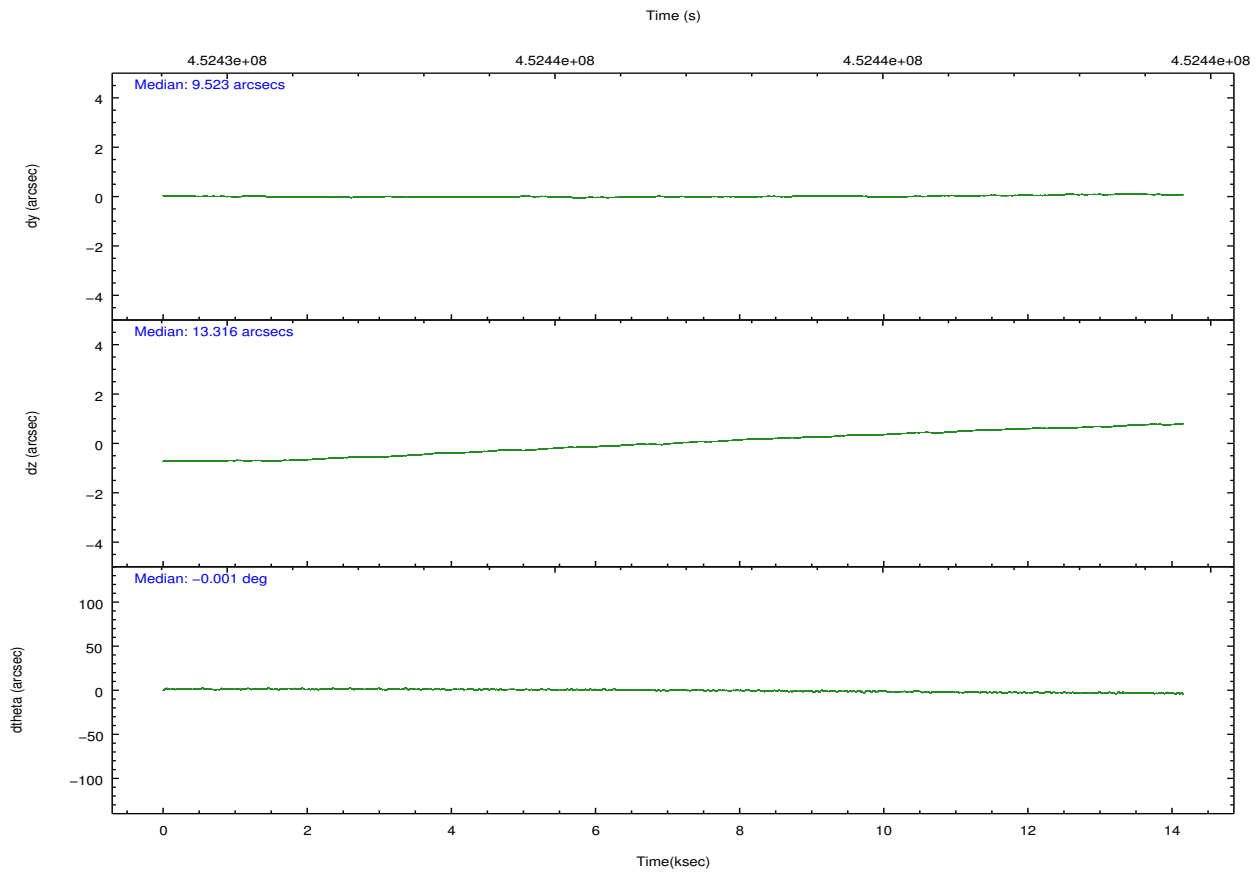
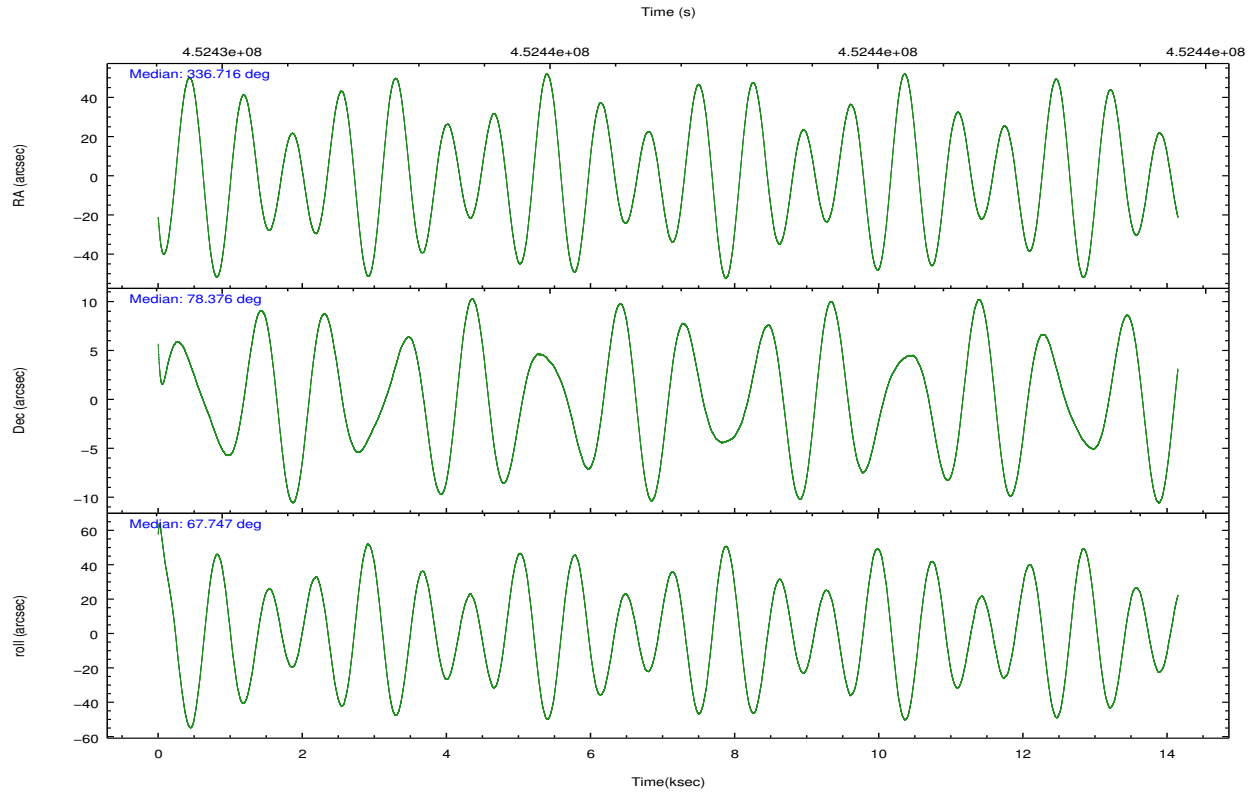
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3276	3728	3725	6078	3680
	4%	4%	4%	6%	4%
grade 1 events	50	51	64	64	42
	0%	0%	0%	0%	0%
grade 2 events	2514	2722	2376	2491	2258
	3%	3%	2%	2%	2%
grade 3 events	1017	1092	1026	1136	1096
	1%	1%	1%	1%	1%
grade 4 events	976	1074	999	1182	1058
	1%	1%	1%	1%	1%
grade 5 events	3876	4193	3556	4327	4214
	4%	5%	4%	4%	4%
grade 6 events	2012	2293	1959	2037	2263
	2%	2%	2%	2%	2%
grade 7 events	64507	67147	73731	71818	74176
	82%	81%	84%	80%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	336.735037	336.7161115654943	CCD I2 on	Y	Y
[deg] Pointing Dec	78.348581	78.37580567487403	CCD I3 on	Y	Y
[deg] Pointing Roll	67.528018	67.75527103595709	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-225.892463	-225.8835723768489	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.7	-7.708880626080827	CCD S4 on	N	N
[s] Observation start time (MET)	452429880.184000	452428907.03576	CCD S5 on	N	N
Observation start date	2012-05-03T10:56:54	2012-05-03T10:41:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	452443880.184000	452444812.4741	On-chip summing requested	N	N
Observation end date	2012-05-03T14:50:14	2012-05-03T15:06:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



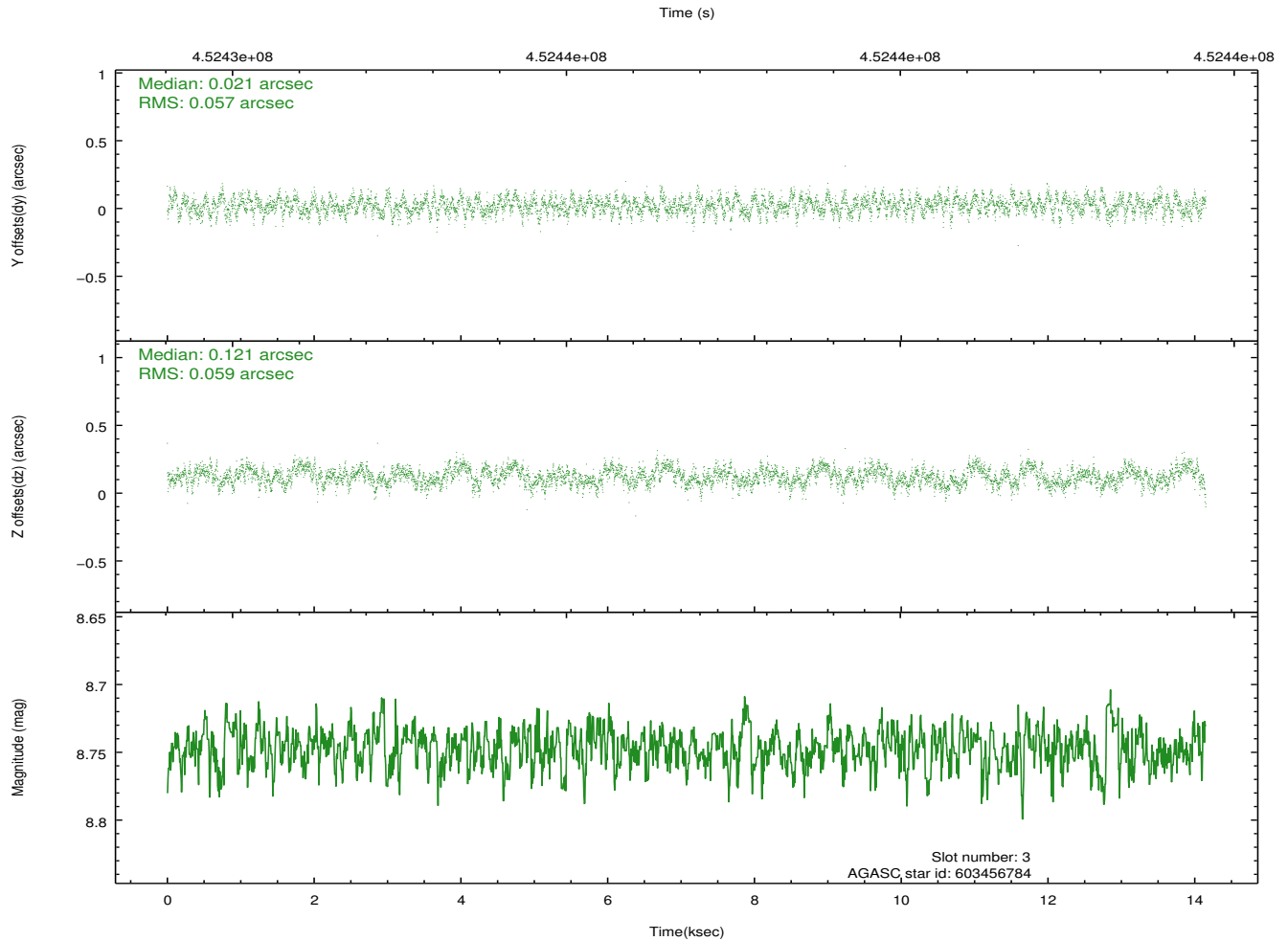
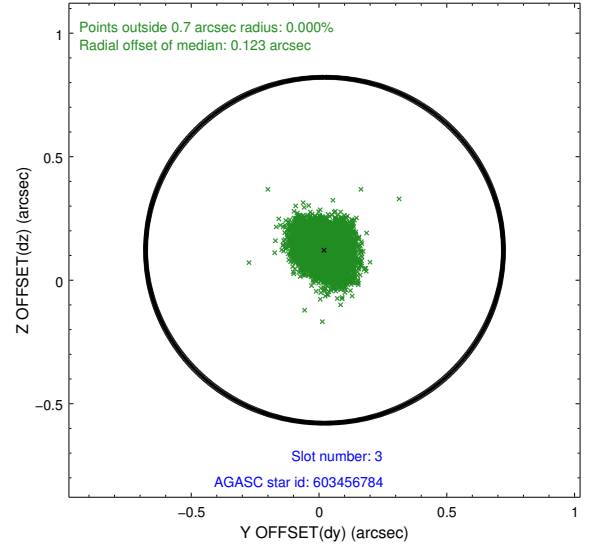
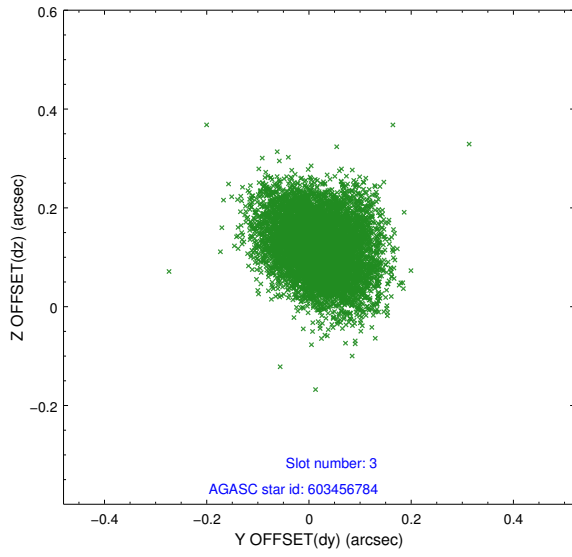


Slot Statistics

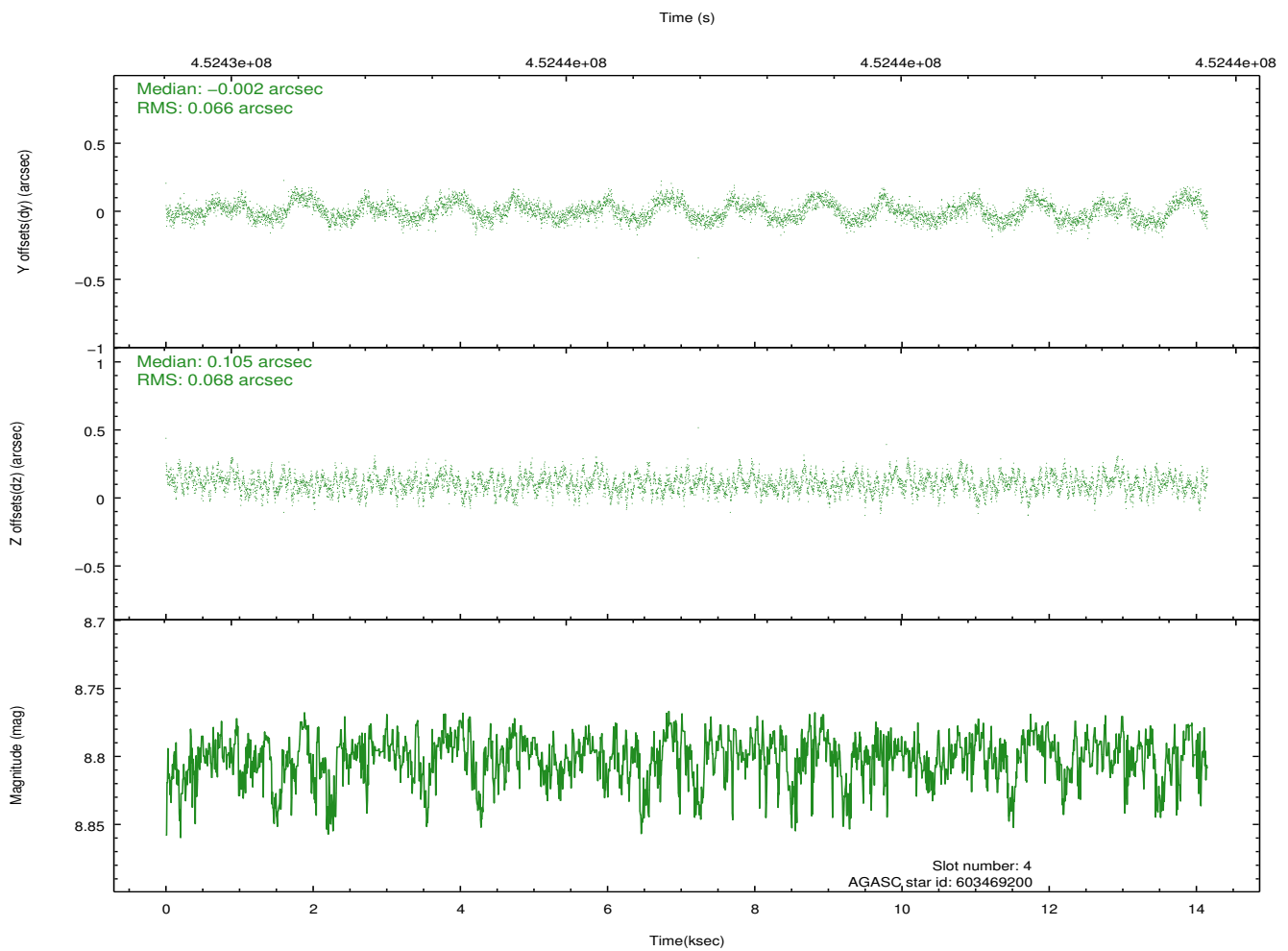
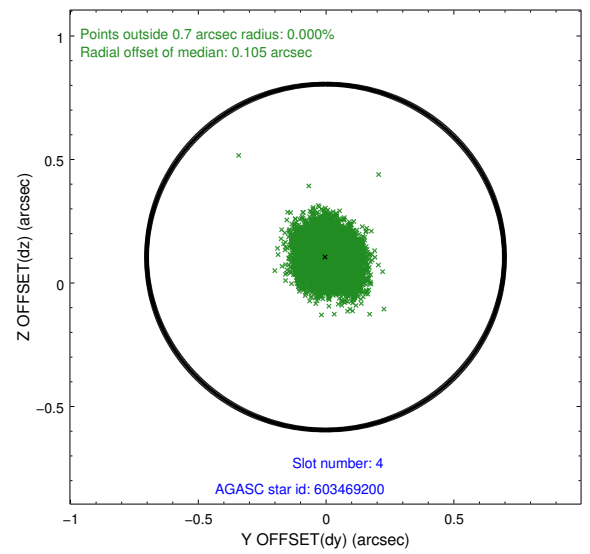
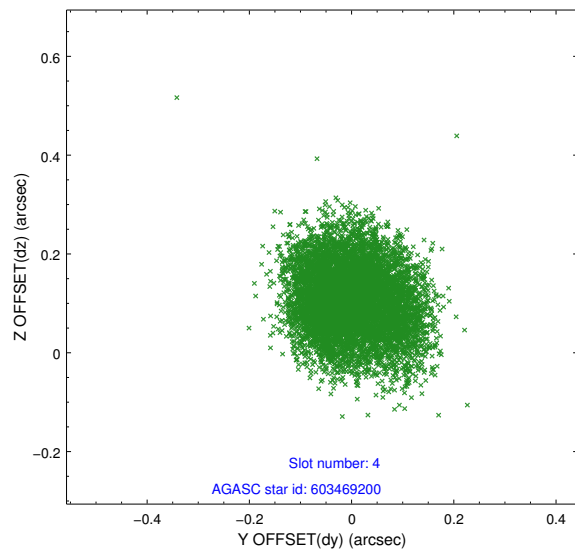
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.09	3452	0.160	-0.118	0.022	0.033	0.000000	0.000000	930.08	-995.25
1	FID	ACIS-I-5	7.08	3452	-0.297	0.131	0.011	0.019	0.000000	0.000000	-1818.28	902.29
2	FID	ACIS-I-6	7.11	3452	0.046	0.059	0.015	0.022	0.000000	0.000000	395.18	1547.09
3	GUIDE	603456784	8.75	6900	0.021	0.121	0.087	0.138	339.551233	78.515005	1370.00	-1617.10
4	GUIDE	603469200	8.80	6898	-0.002	0.105	0.103	0.158	338.935167	78.242228	291.87	-1626.06
5	GUIDE	603982664	8.96	6898	-0.052	-0.010	0.083	0.134	335.768352	78.795565	1233.96	1241.73
6	GUIDE	603999104	6.24	6904	0.027	-0.274	0.084	0.129	336.676650	78.785849	1438.88	639.62
7	GUIDE	603994424	9.29	6882	0.006	0.057	0.081	0.133	335.148624	79.170322	2337.44	2128.34

2.4 Star Slots

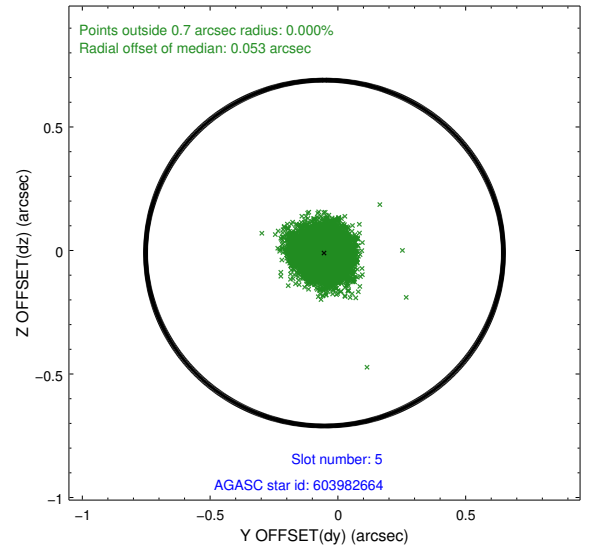
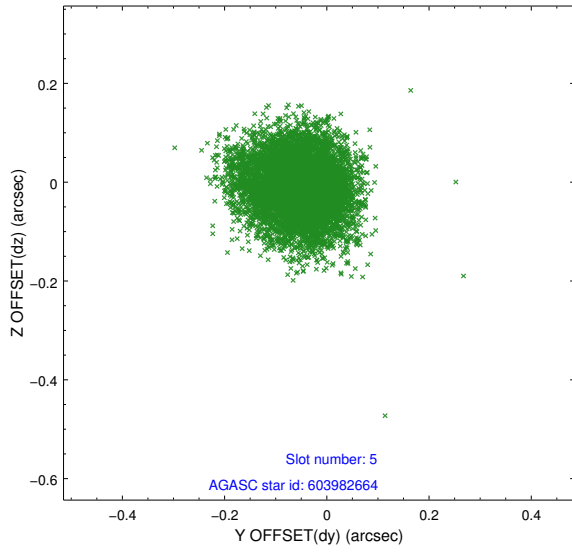
2.4.1 Slot 3



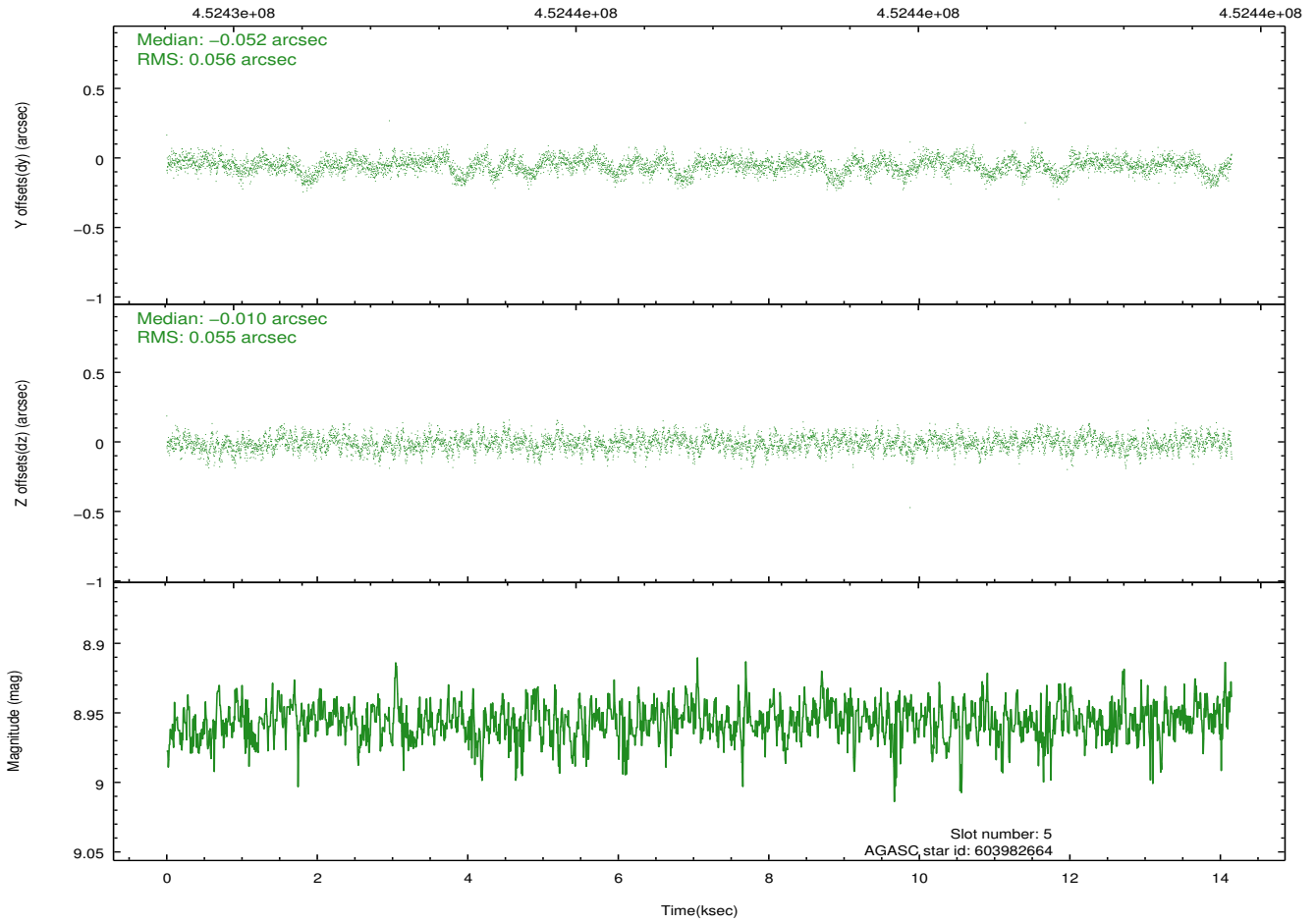
2.4.2 Slot 4



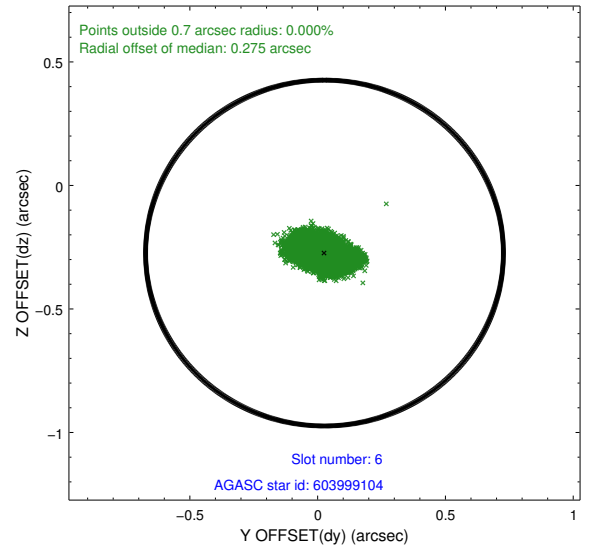
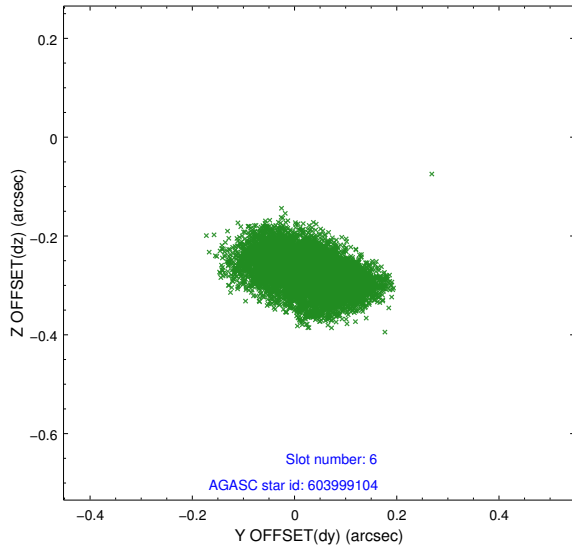
2.4.3 Slot 5



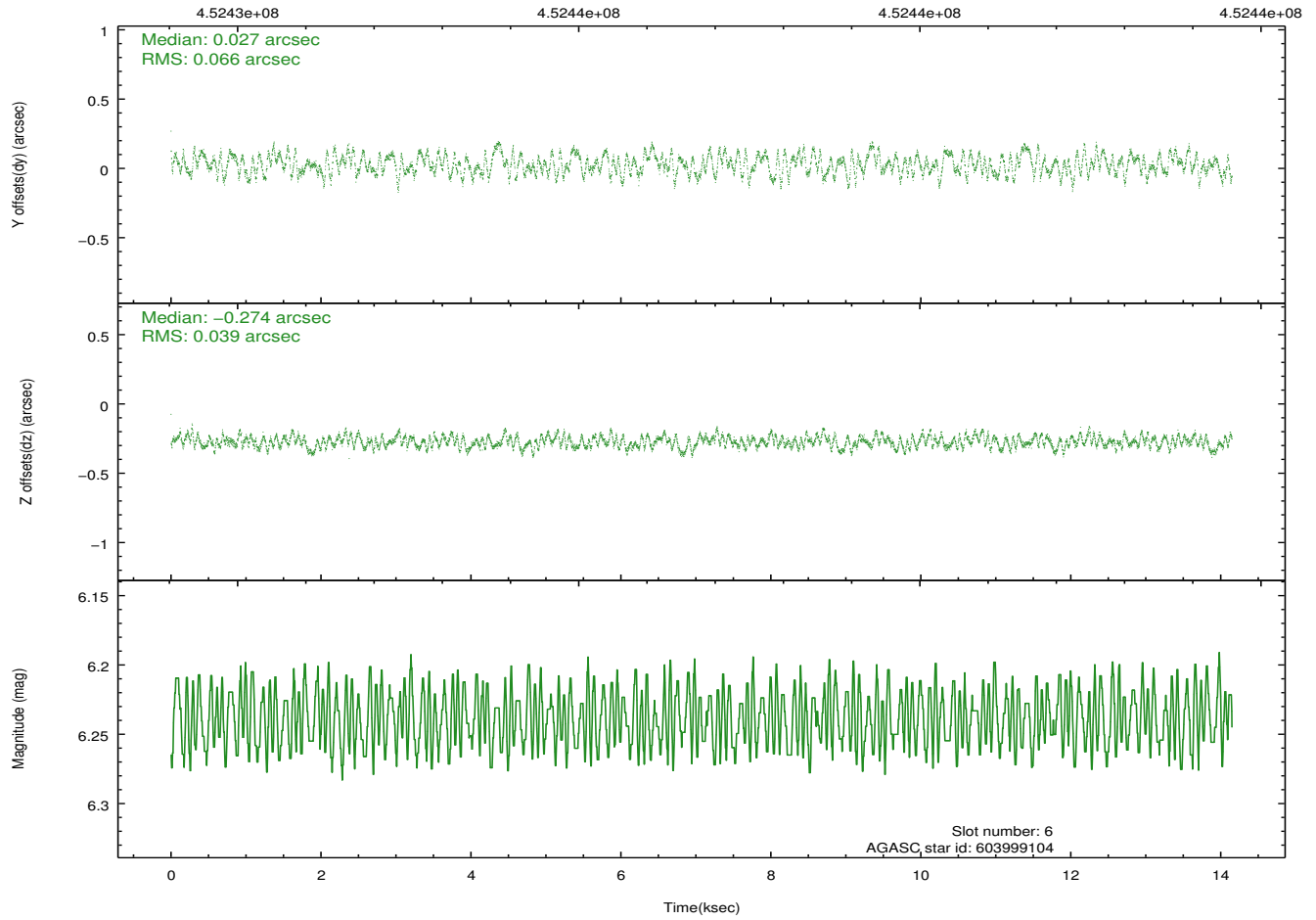
Time (s)



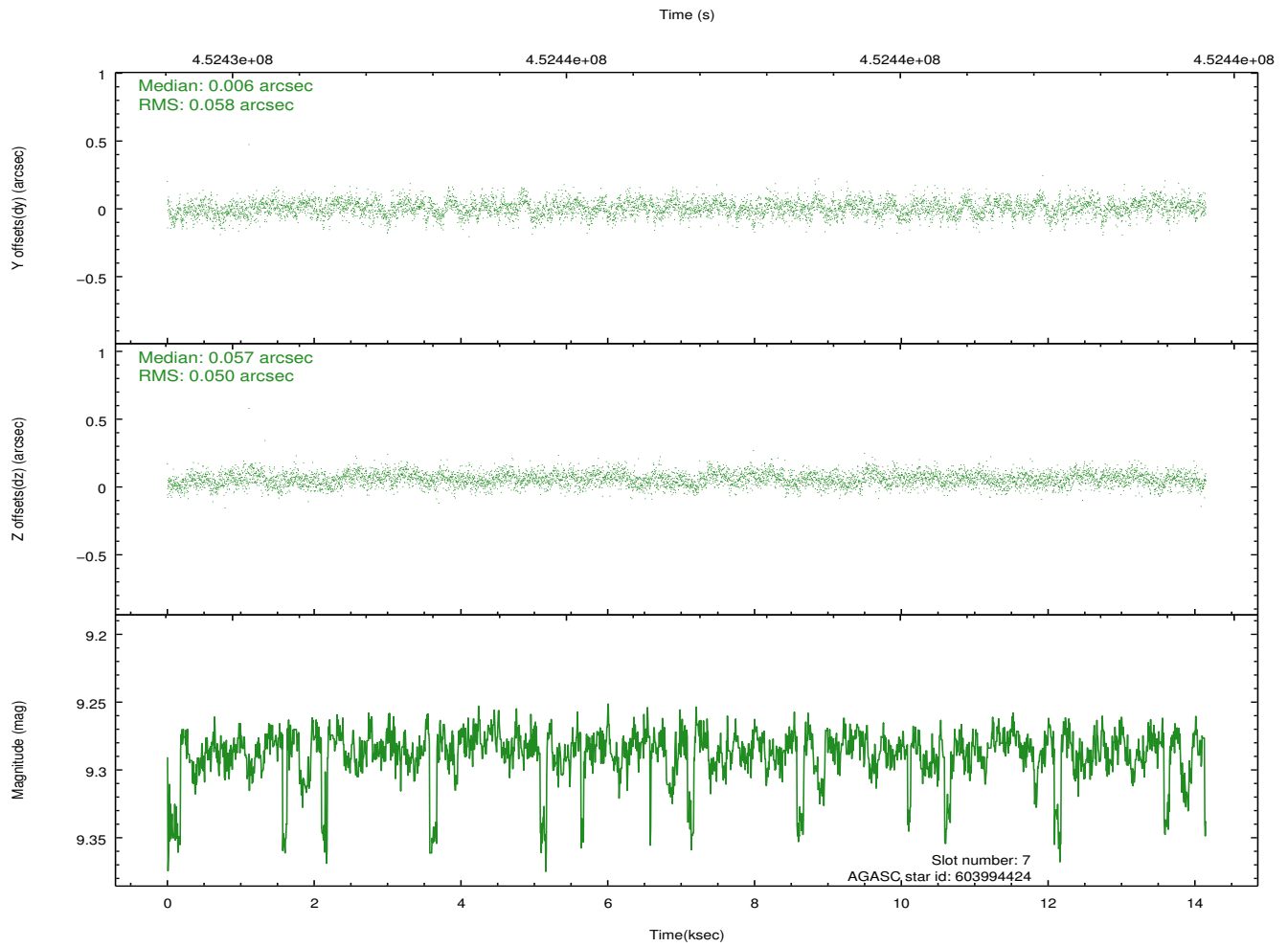
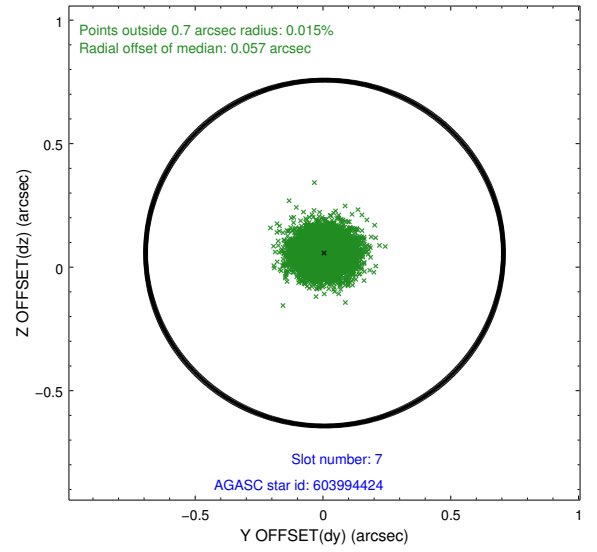
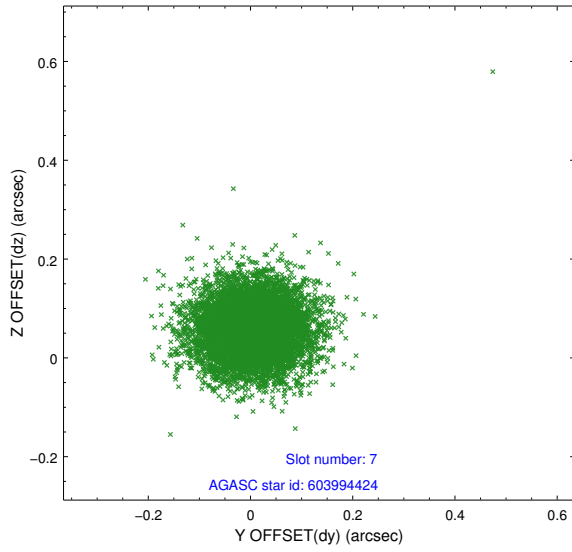
2.4.4 Slot 6



Time (s)

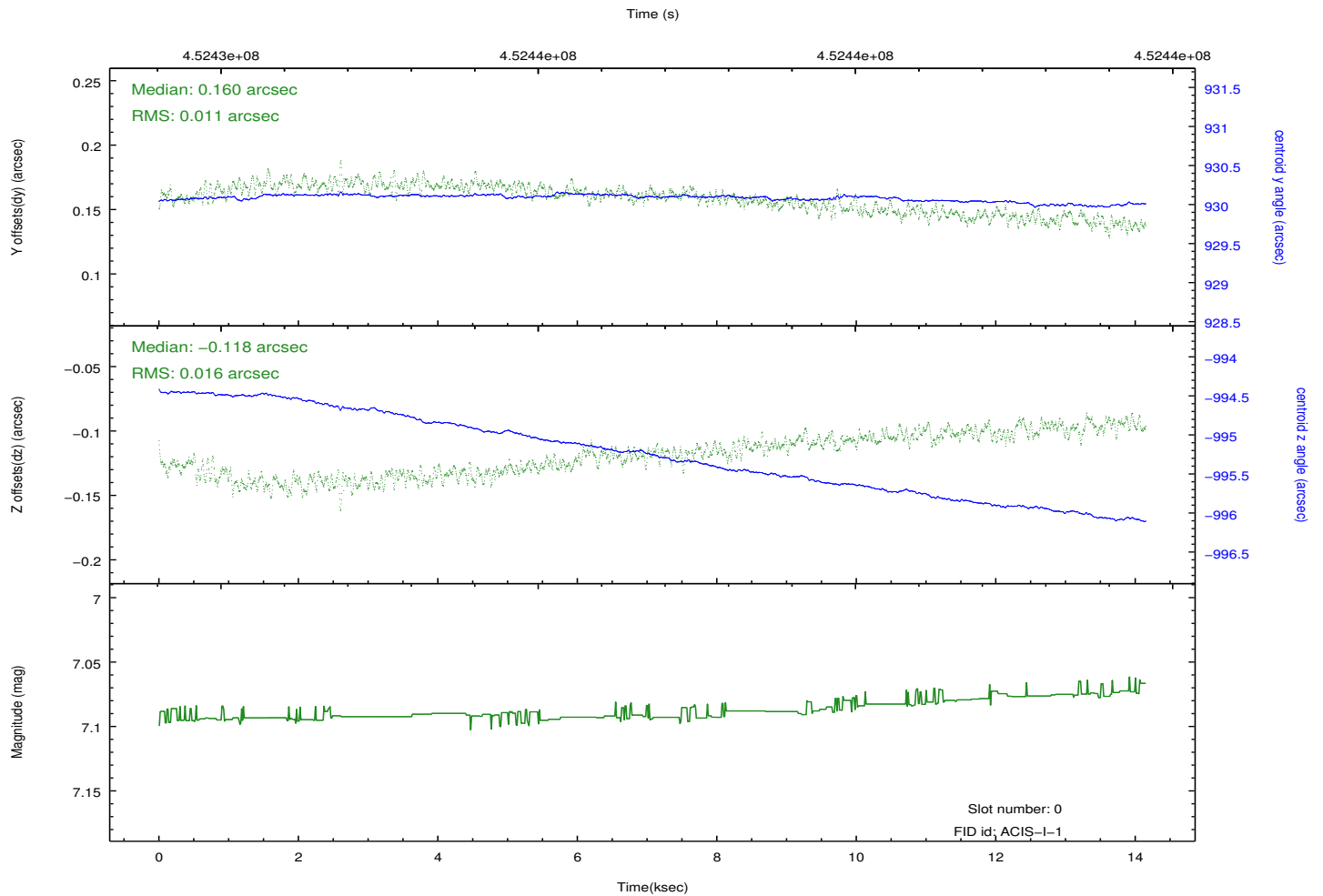
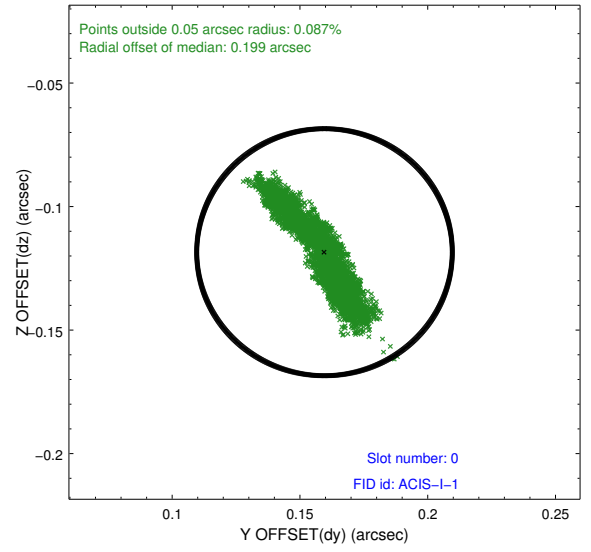
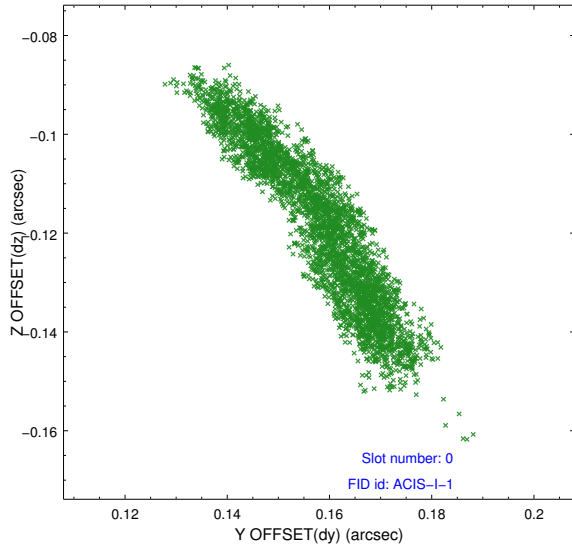


2.4.5 Slot 7

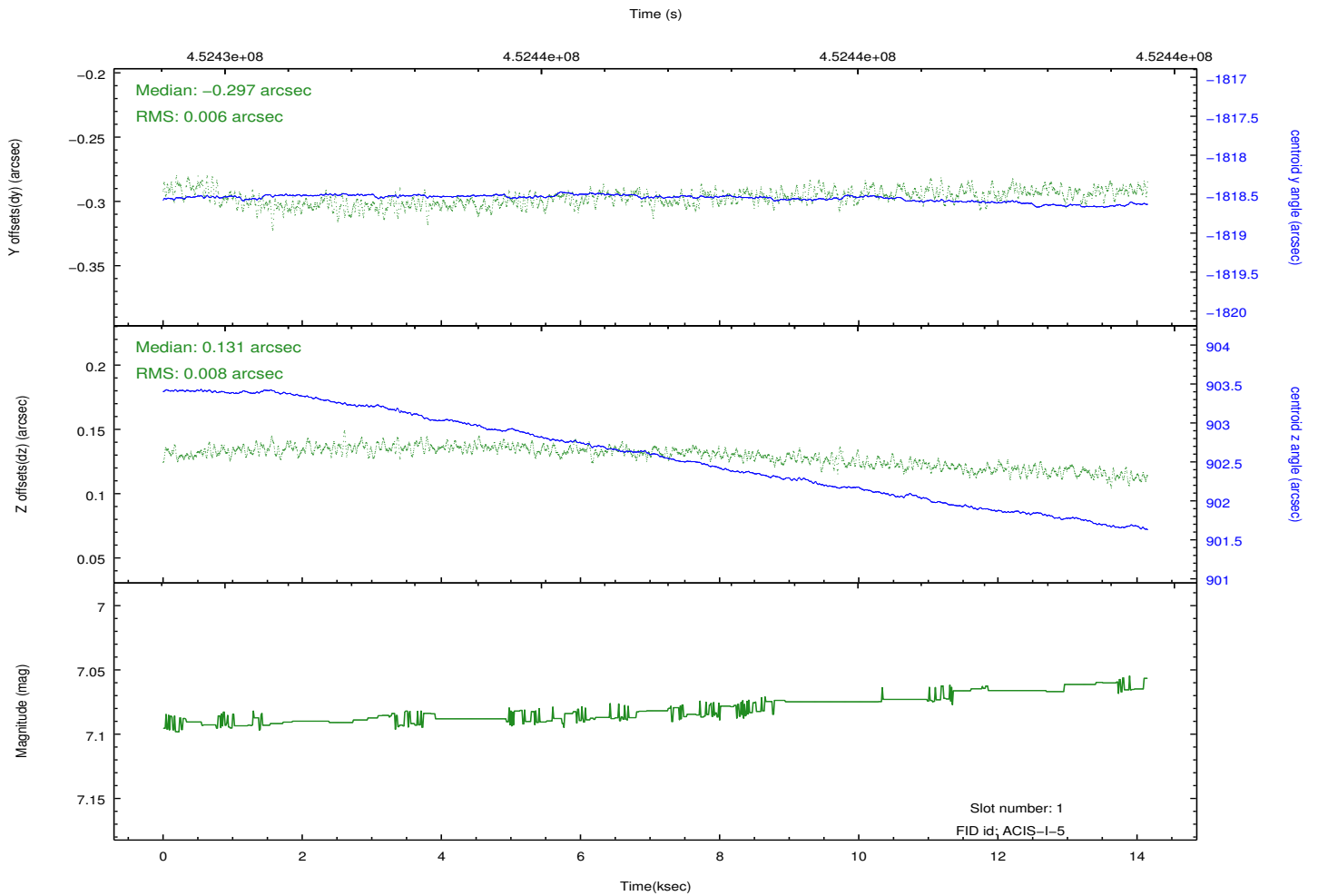
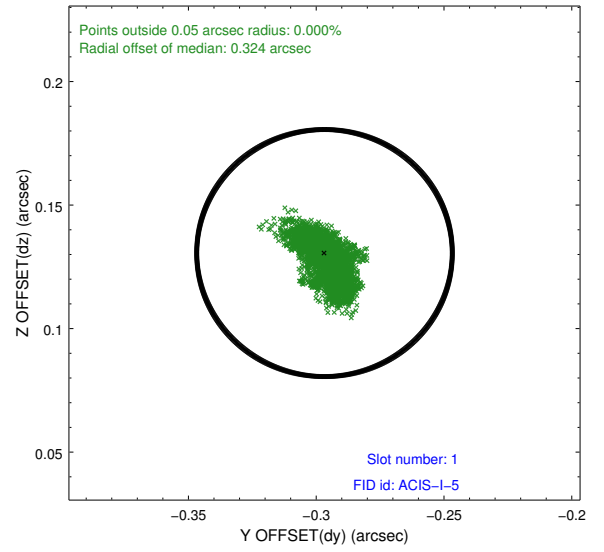
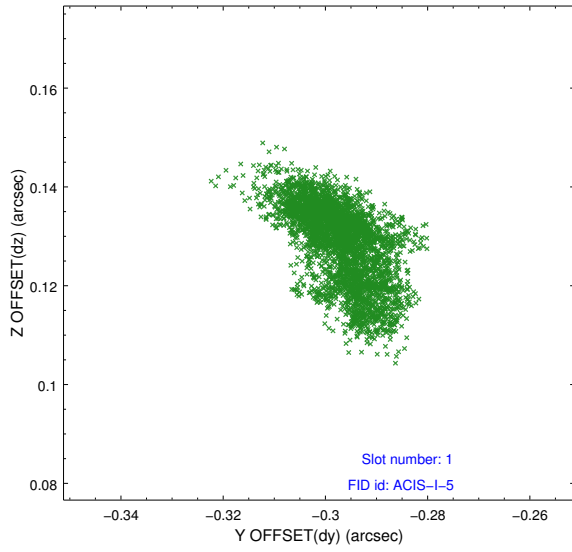


2.5 FID Slots

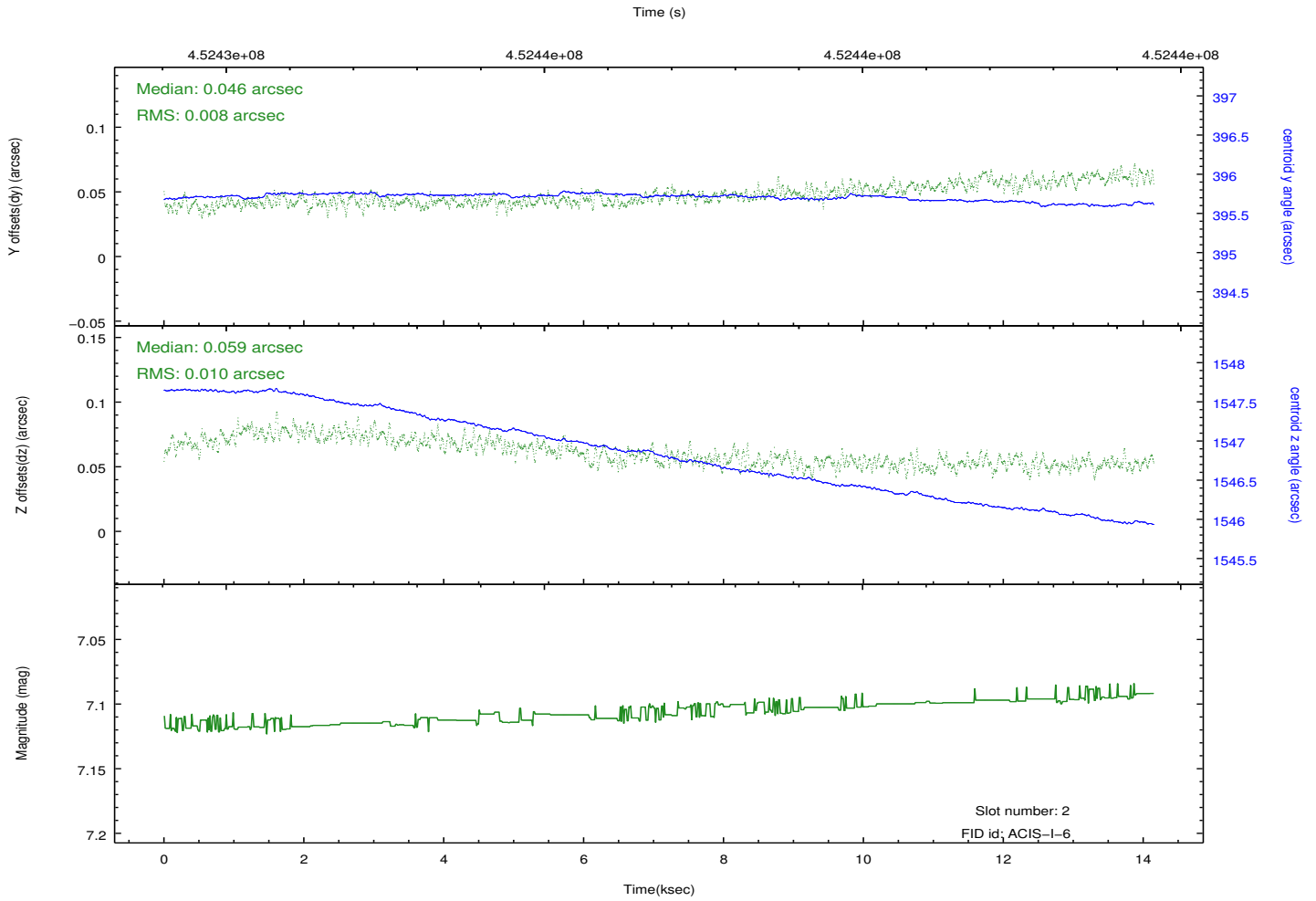
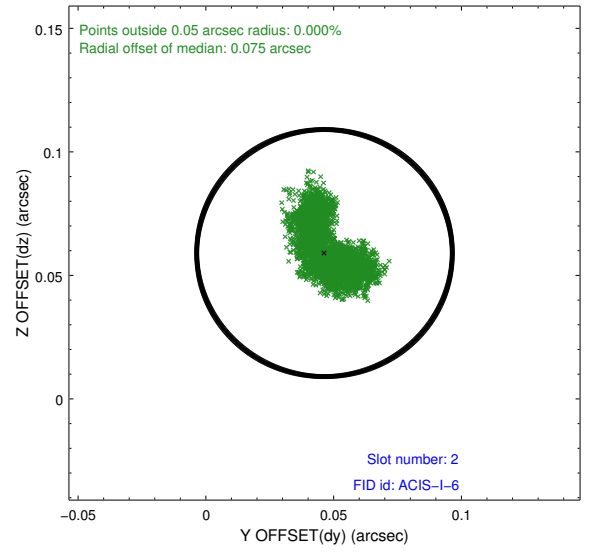
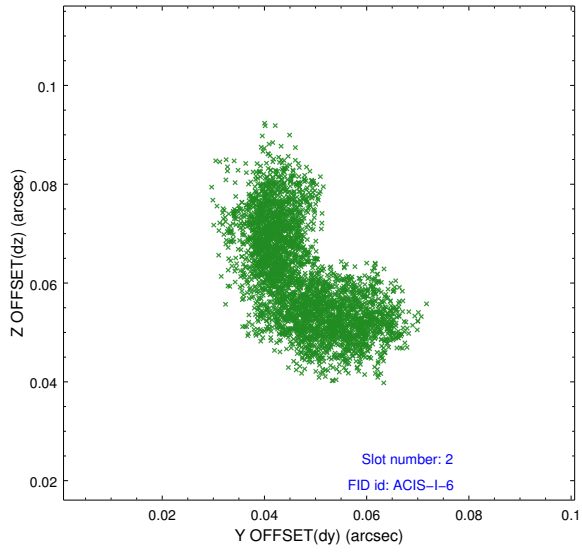
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.079928607106

A.2 Comments