

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12150 - L2 Version 2
Chandra X-Ray Center

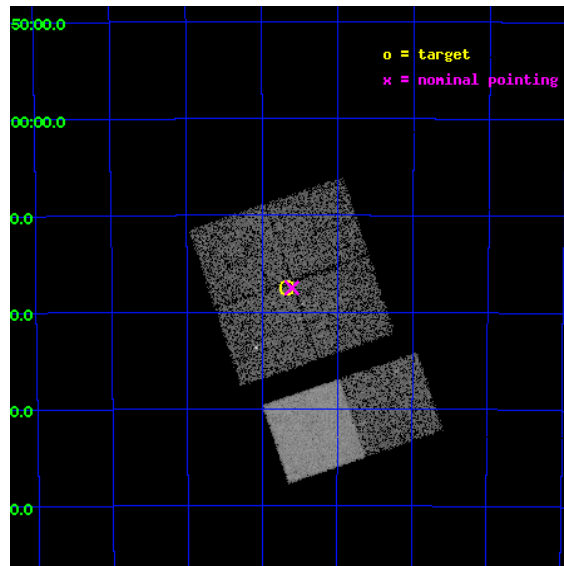
L2 Processing Date : Feb 22 2012

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1 Front

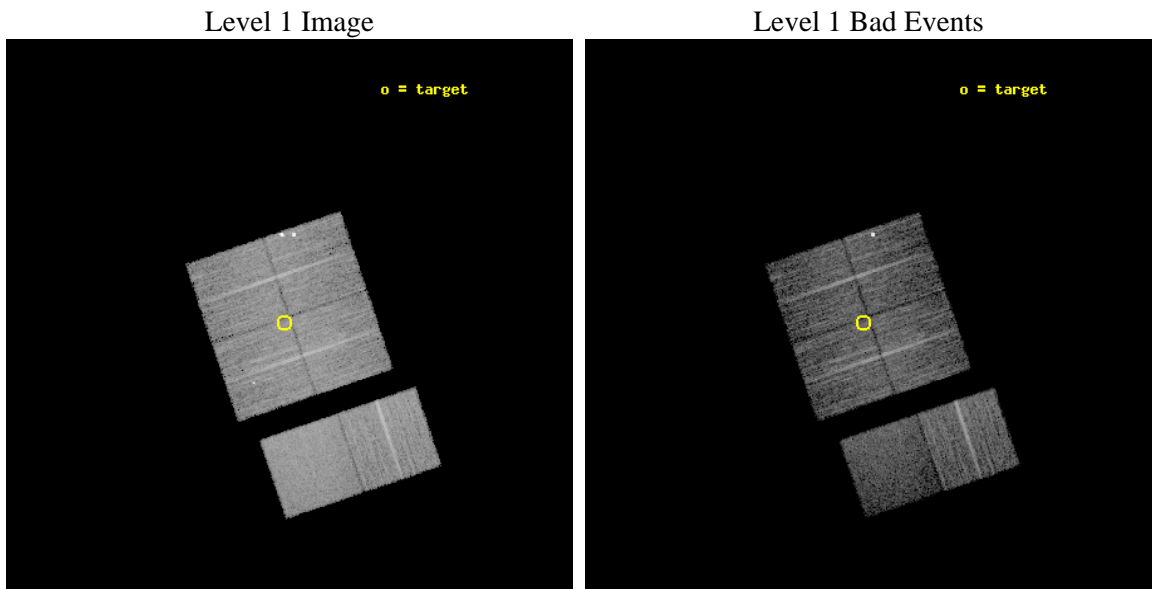
seq_num	501365	Sequence number
obs_id	12150	Observation id
title	Snap-shot survey of new galactic gamma-ray sources.	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	PSR J1028-5819	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	157.166667	Observer's specified target RA [deg]
dec_targ	-58.291944	Observer's specified target Dec [deg]
ra_nom	157.15128424822	Nominal RA [deg]
dec_nom	-58.291784855625	Nominal Dec [deg]
roll_nom	161.29193556884	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10056.760727108	Sum of GTIs [s]
livetime	9929.4159673266	Livetime [s]
ontime0	10056.637607098	Sum of GTIs [s]
ontime1	10056.678647101	Sum of GTIs [s]
ontime2	10056.719687104	Sum of GTIs [s]
ontime3	10056.760727108	Sum of GTIs [s]
ontime6	10056.842807114	Sum of GTIs [s]
ontime7	10056.801767111	Sum of GTIs [s]
l2events	59169	Number of level 2 events



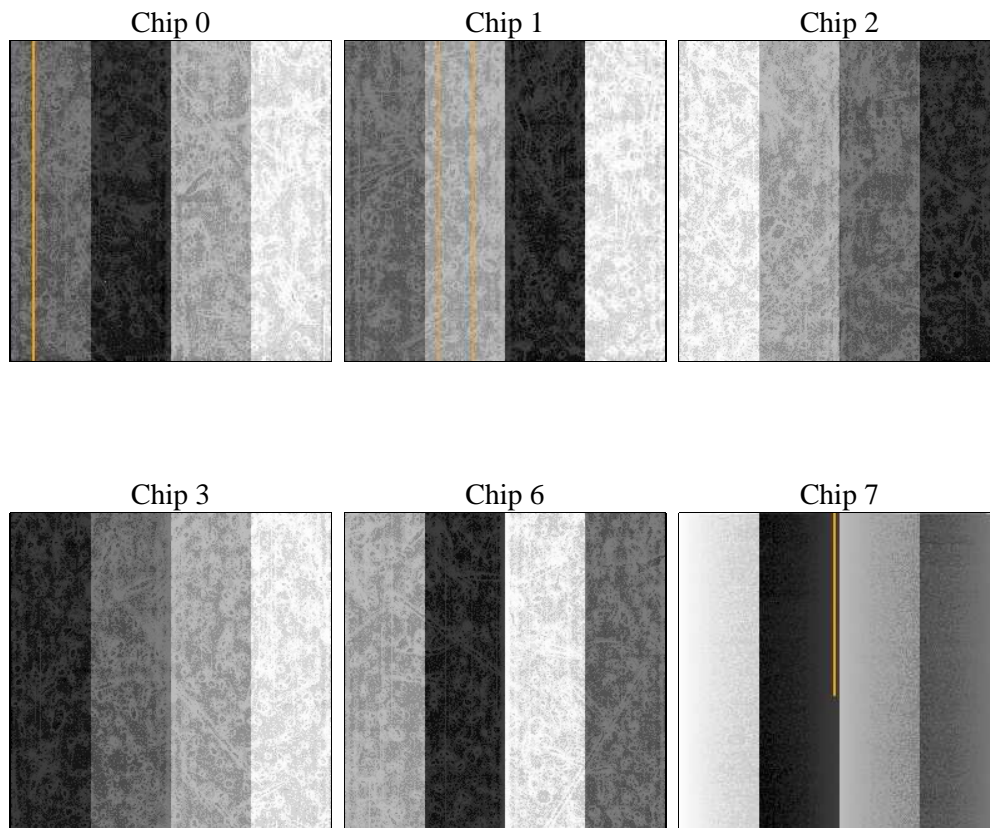
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10056.760727108	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	10056.637607098	Sum of GTIs [s]
date	2012-02-23T00:37:52	Date and time of file creation	ontime1	10056.678647101	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10056.719687104	Sum of GTIs [s]
			ontime3	10056.760727108	Sum of GTIs [s]
			ontime6	10056.842807114	Sum of GTIs [s]
			ontime7	10056.801767111	Sum of GTIs [s]
			l1events	344893	Number of level 1 events

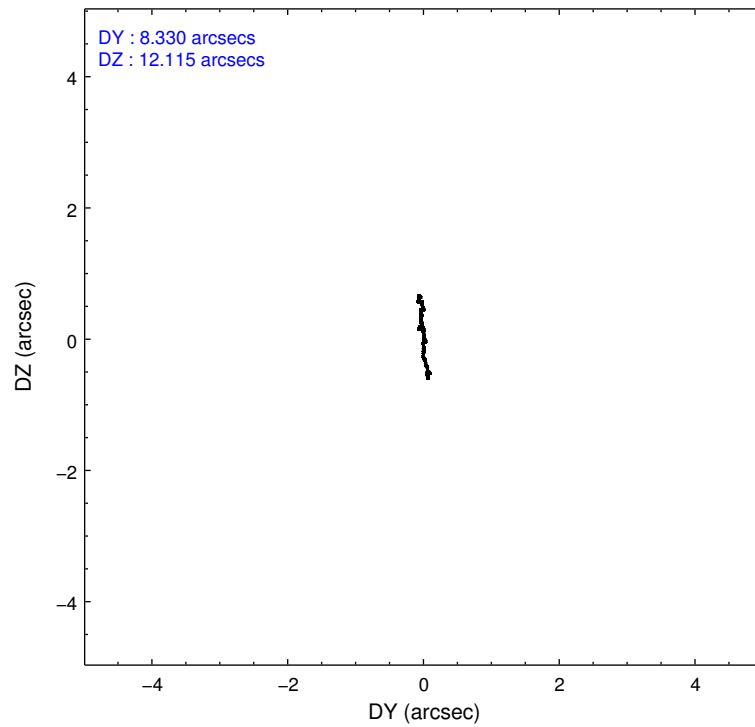
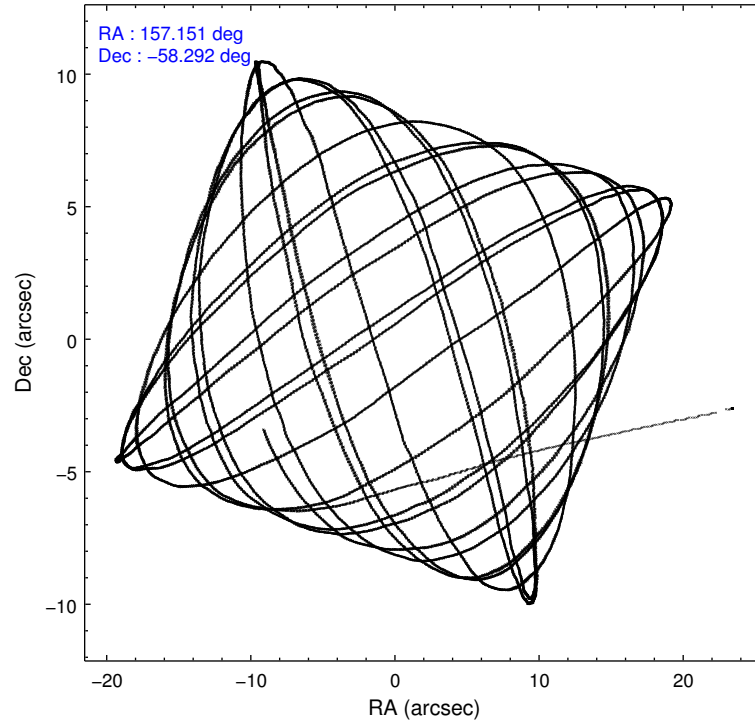
2.1.4 Events

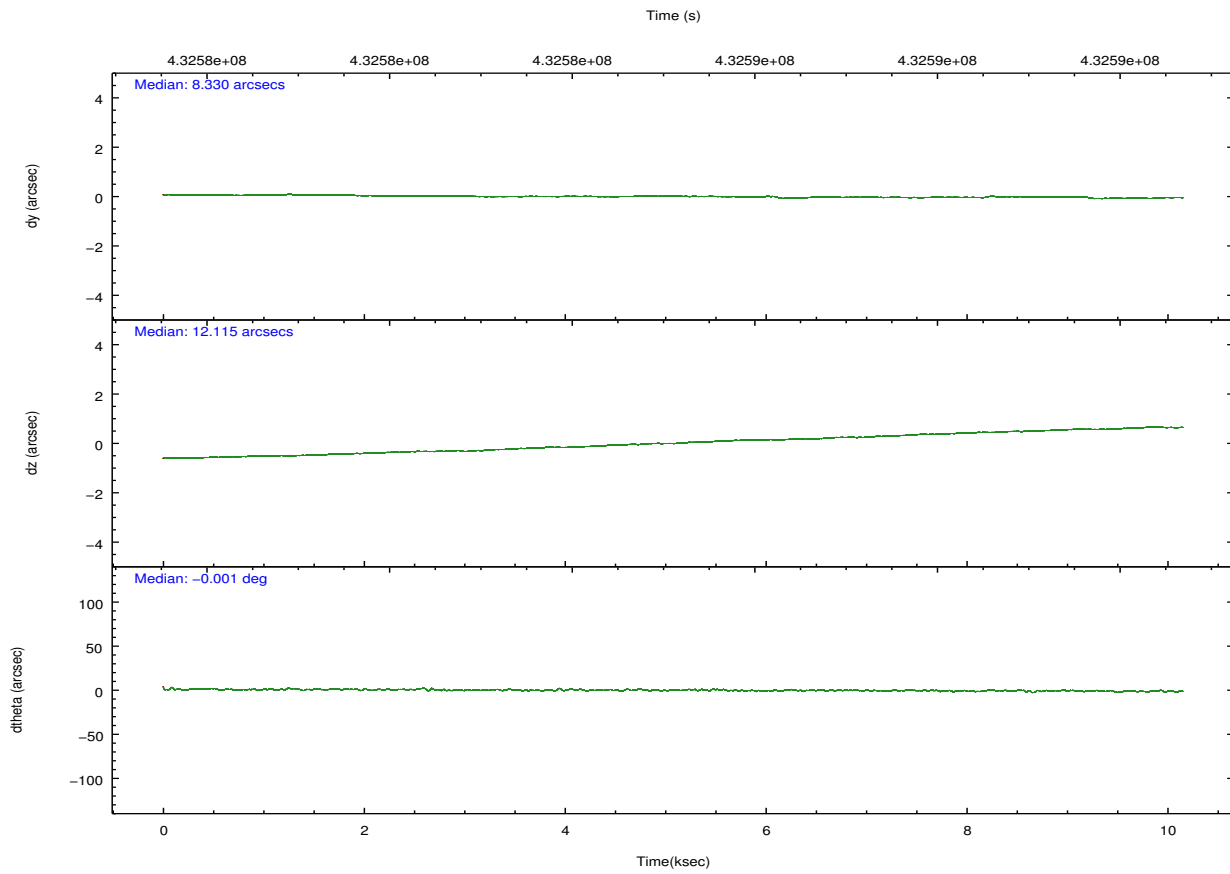
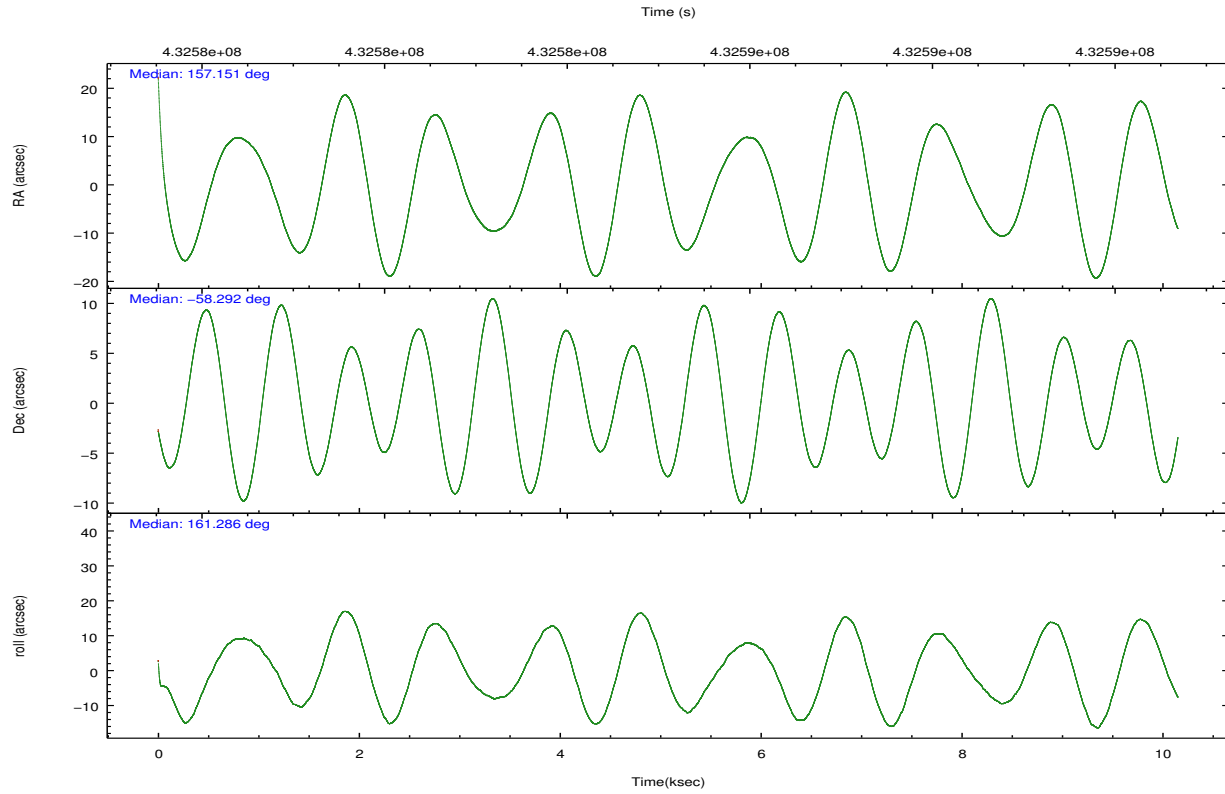
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	56450	50389	57769	55793	60818	63674	grade 0 events	5653	2581	2993	3077	2684	2954
rejected events	46730	43464	50865	48684	53867	33019		10%	5%	5%	5%	4%	4%
rejected %	82%	86%	88%	87%	88%	51%	grade 1 events	3002	23	37	41	38	95
								5%	0%	0%	0%	0%	0%
							grade 2 events	1562	1583	1551	1439	1501	6482
								2%	3%	2%	2%	2%	10%
							grade 3 events	674	722	626	674	669	2738
								1%	1%	1%	1%	1%	4%
							grade 4 events	639	649	662	701	678	2701
								1%	1%	1%	1%	1%	4%
							grade 5 events	2083	2288	1887	2289	2459	6678
								3%	4%	3%	4%	4%	10%
							grade 6 events	1195	1391	1077	1222	1421	15791
								2%	2%	1%	2%	2%	24%
							grade 7 events	41642	41152	48936	46350	51368	26235
								73%	81%	84%	83%	84%	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	157.202553	157.1512842482205	CCD I2 on	Y	Y
[deg] Pointing Dec	-58.286237	-58.29178485562459	CCD I3 on	Y	Y
[deg] Pointing Roll	161.126880	161.2919355688408	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	432580181.184000	432578960.68767	CCD S5 on	N	N
Observation start date	2011-09-16T17:08:35	2011-09-16T16:49:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	432590181.184000	432591152.55081	On-chip summing requested	N	N
Observation end date	2011-09-16T19:55:15	2011-09-16T20:12:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



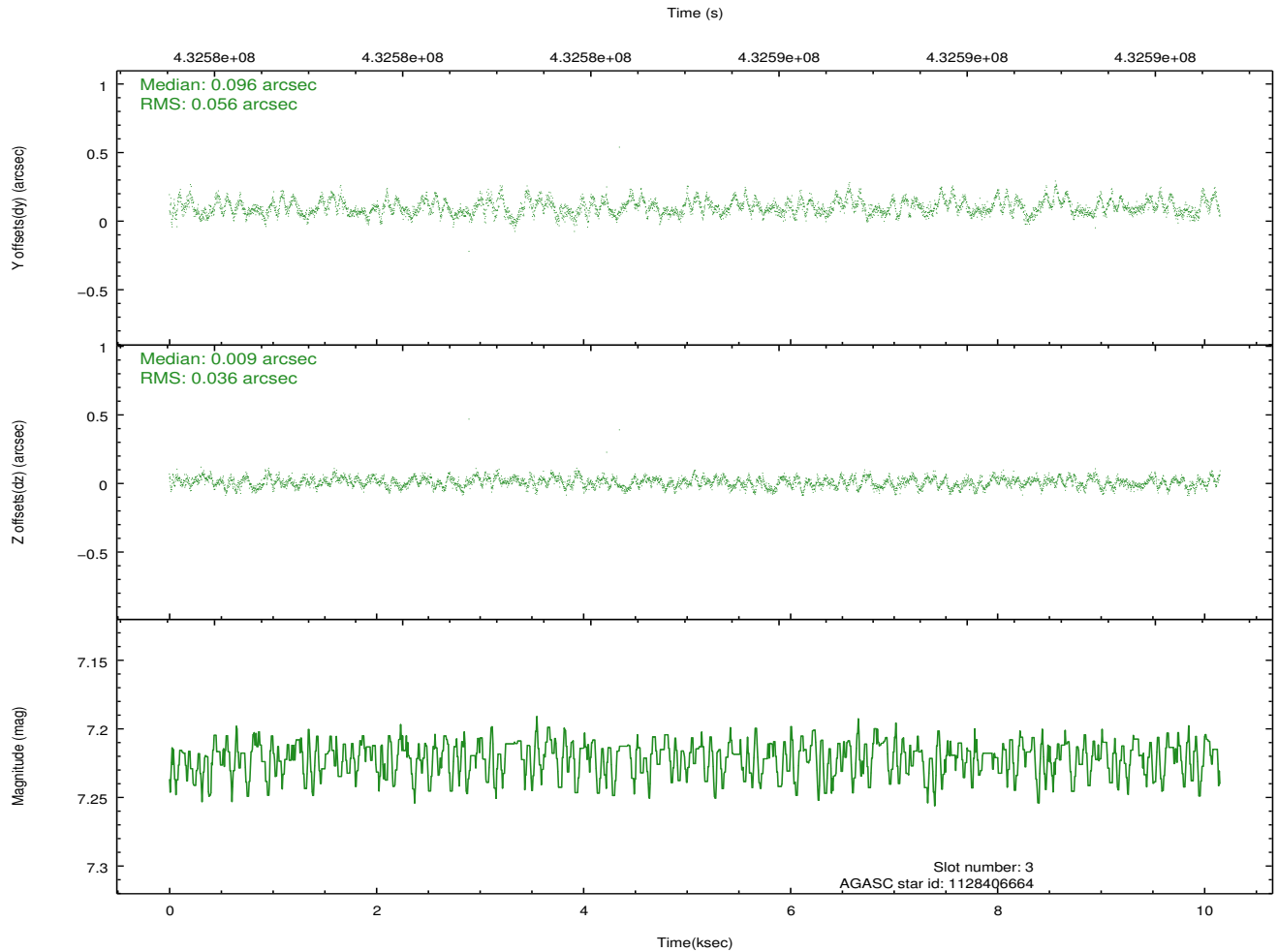
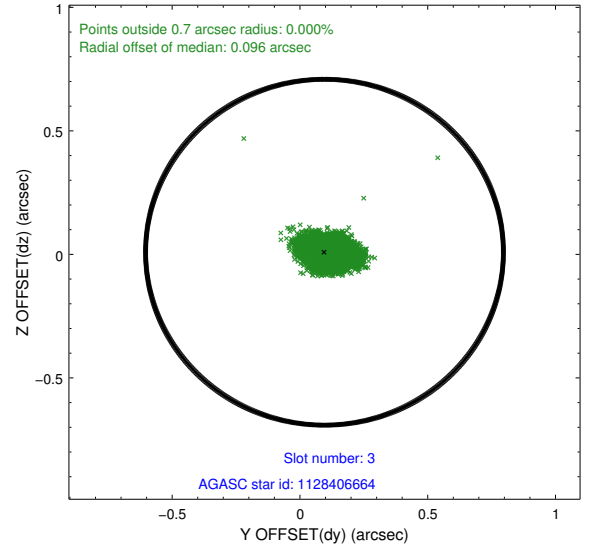
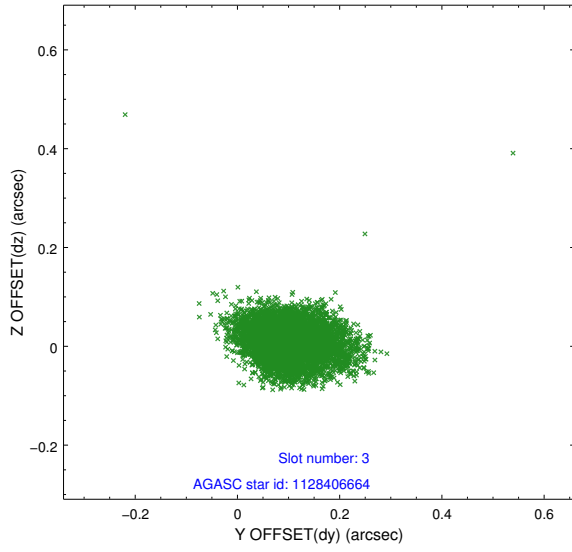


Slot Statistics

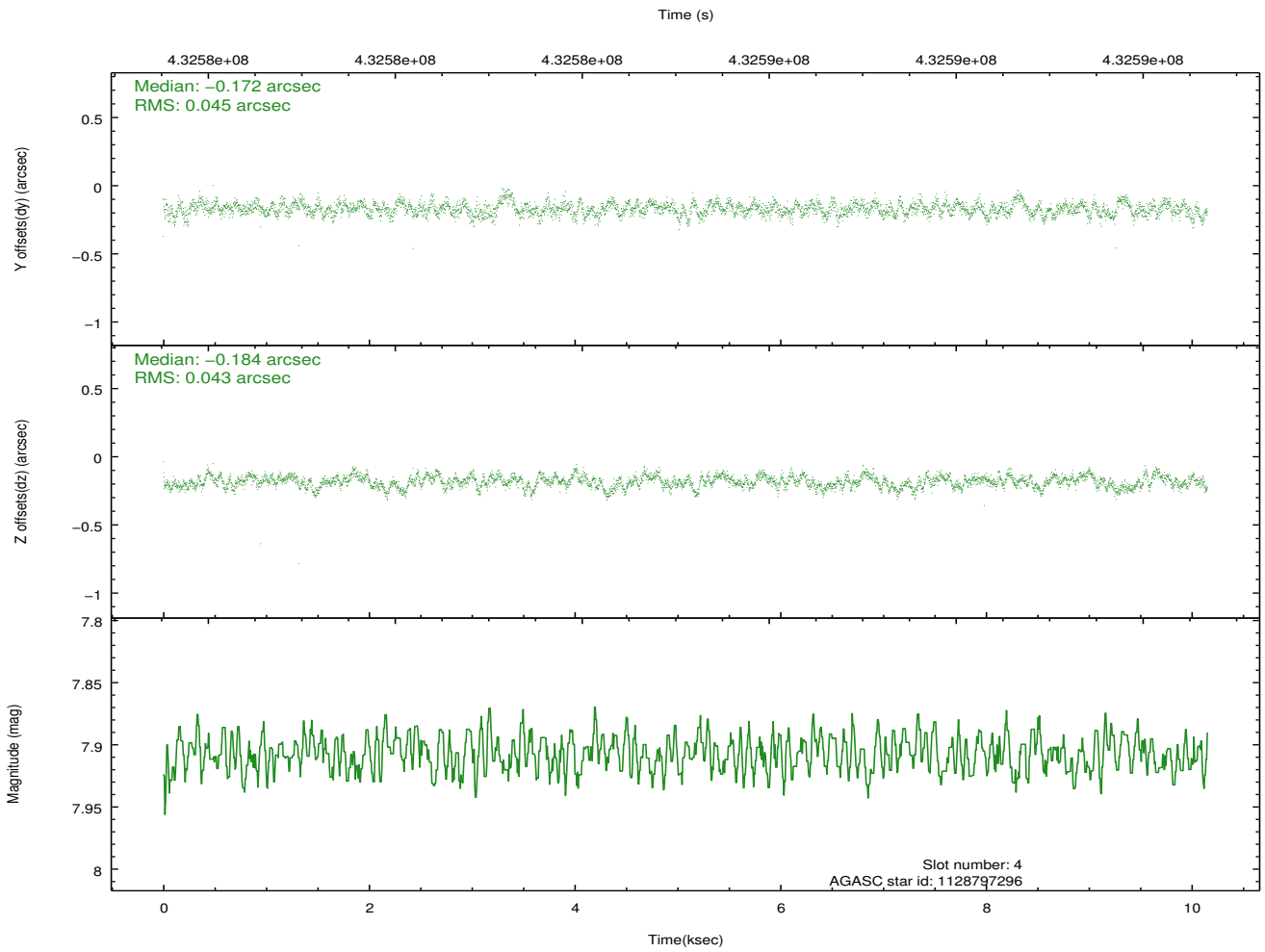
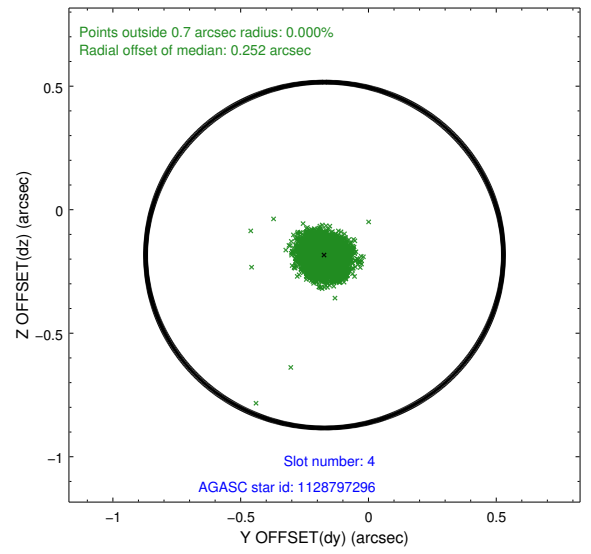
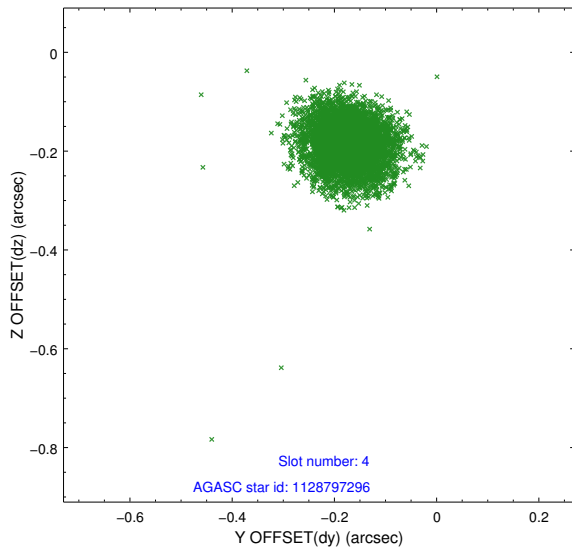
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.01	2477	-0.099	-0.125	0.010	0.019	0.000000	0.000000	-762.97	-842.13
1	FID	ACIS-I-4	7.04	2477	0.243	0.093	0.007	0.012	0.000000	0.000000	2151.22	1063.96
2	FID	ACIS-I-5	7.09	2476	-0.245	0.101	0.010	0.017	0.000000	0.000000	-1816.25	1062.46
3	GUIDE	1128406664	7.22	4953	0.096	0.009	0.068	0.114	156.731916	-57.607041	1649.42	-2016.99
4	GUIDE	1128797296	7.91	4950	-0.172	-0.184	0.065	0.105	156.158027	-58.285969	1866.07	652.52
5	GUIDE	1128939904	7.85	4952	0.014	0.012	0.073	0.120	158.087847	-58.545843	-1878.85	356.60
6	GUIDE	1128407216	8.52	4950	-0.036	0.068	0.071	0.117	157.296841	-57.613401	611.56	-2350.57
7	GUIDE	1128798720	8.74	4950	0.091	0.099	0.072	0.115	155.682449	-58.527622	2412.54	1776.74

2.4 Star Slots

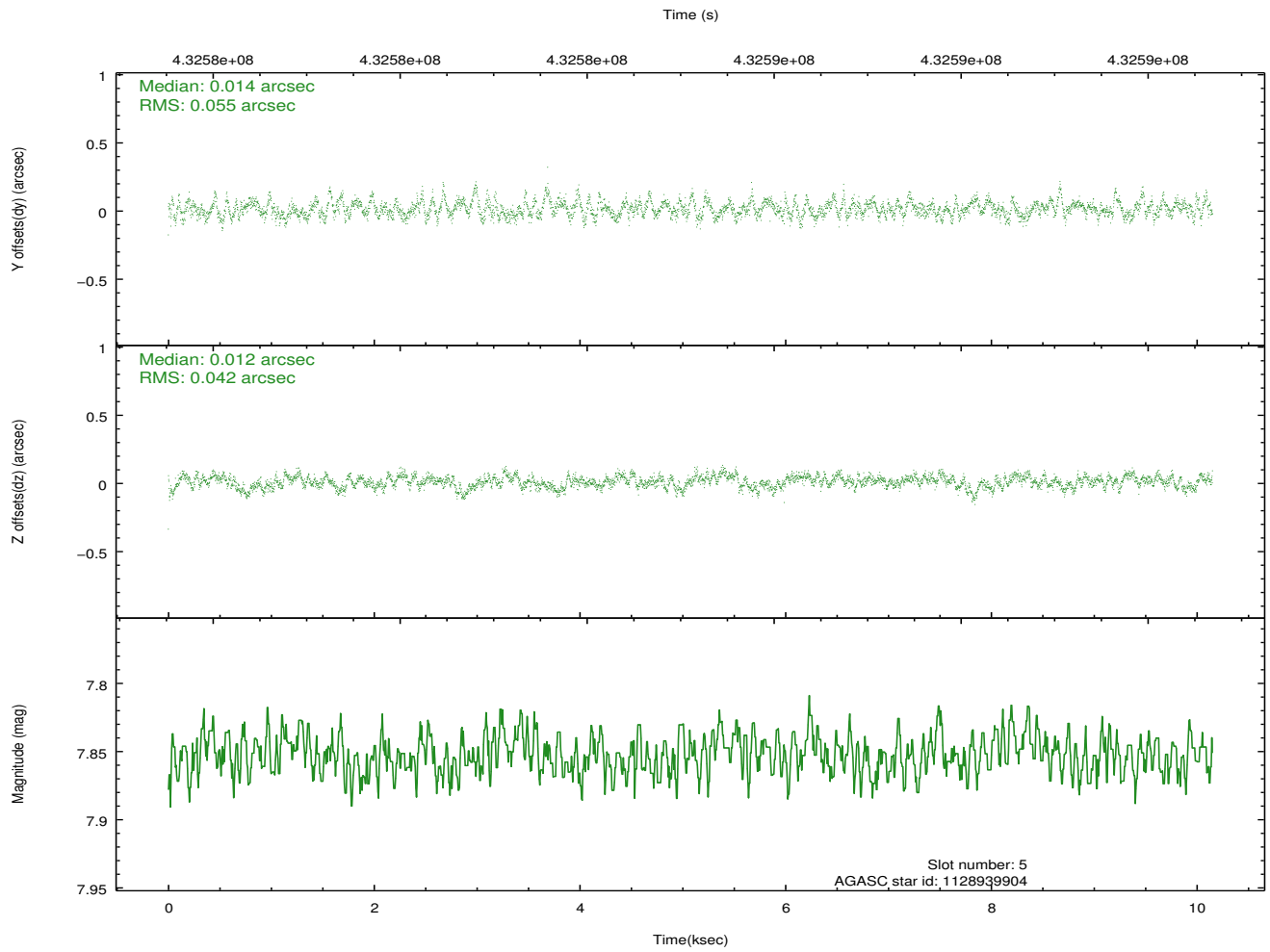
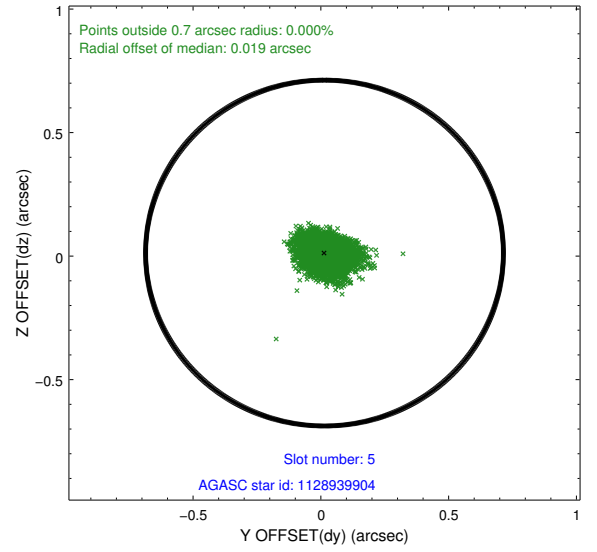
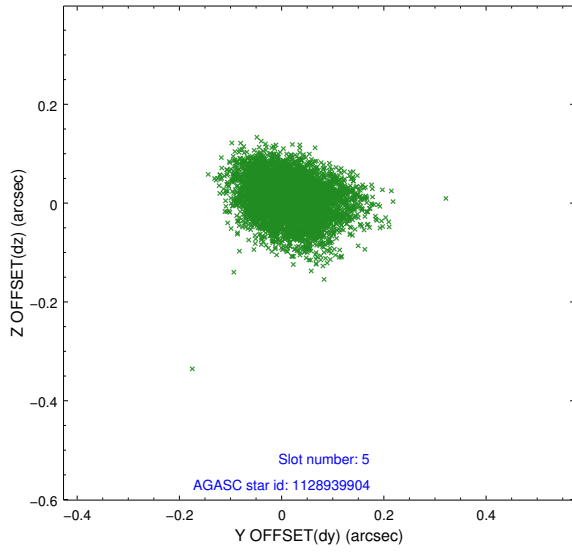
2.4.1 Slot 3



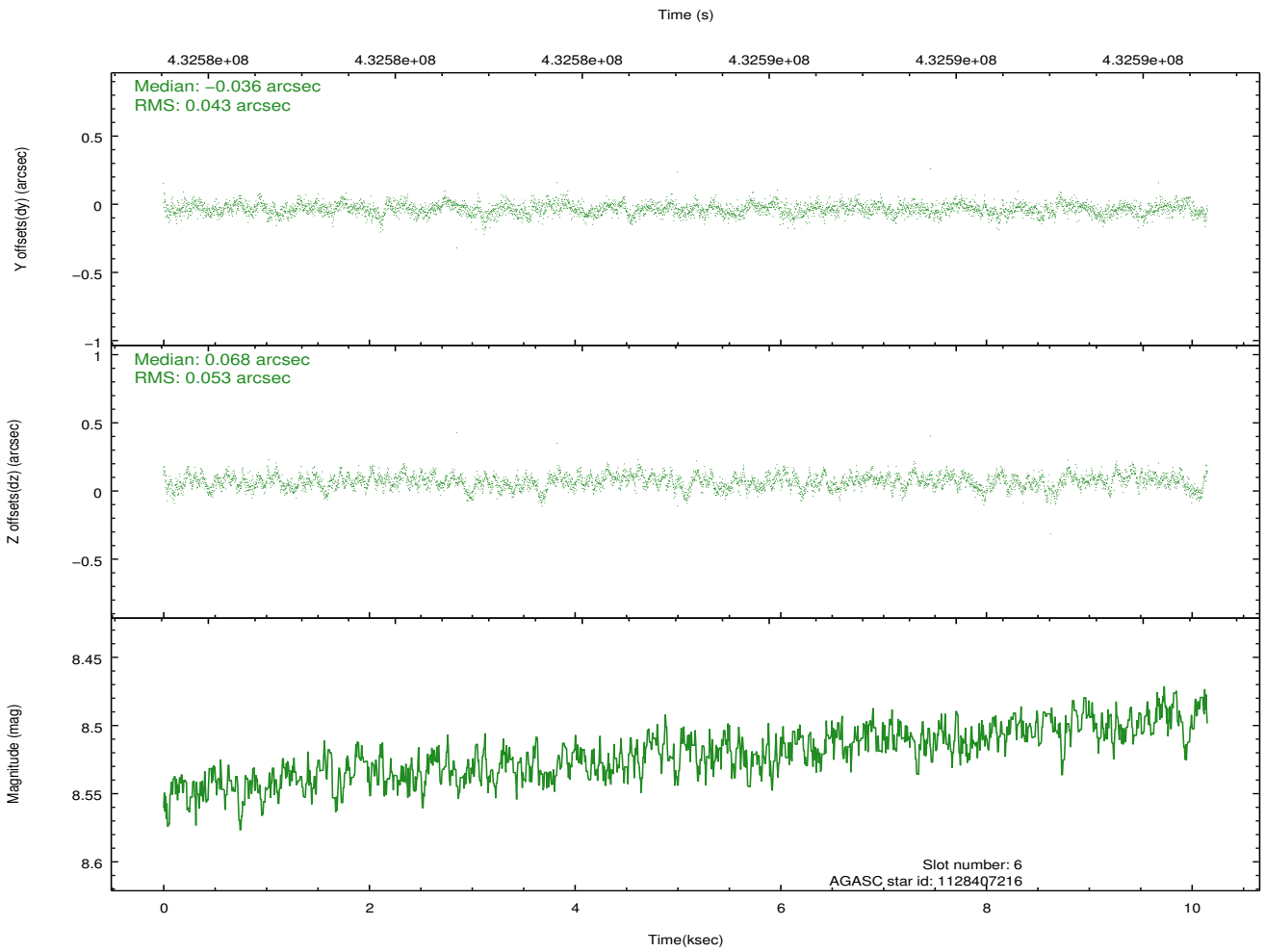
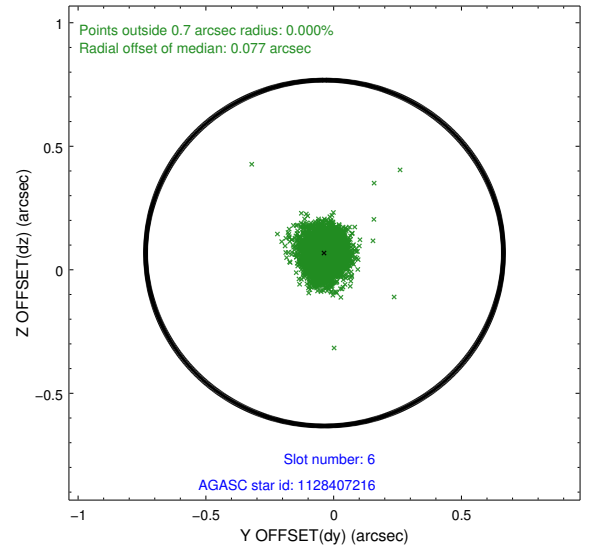
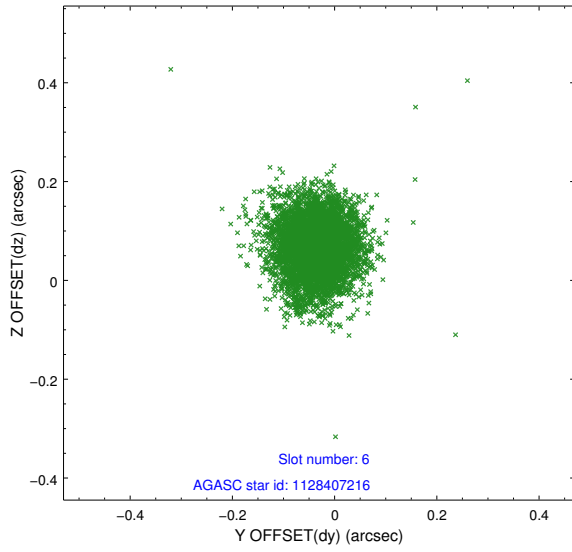
2.4.2 Slot 4



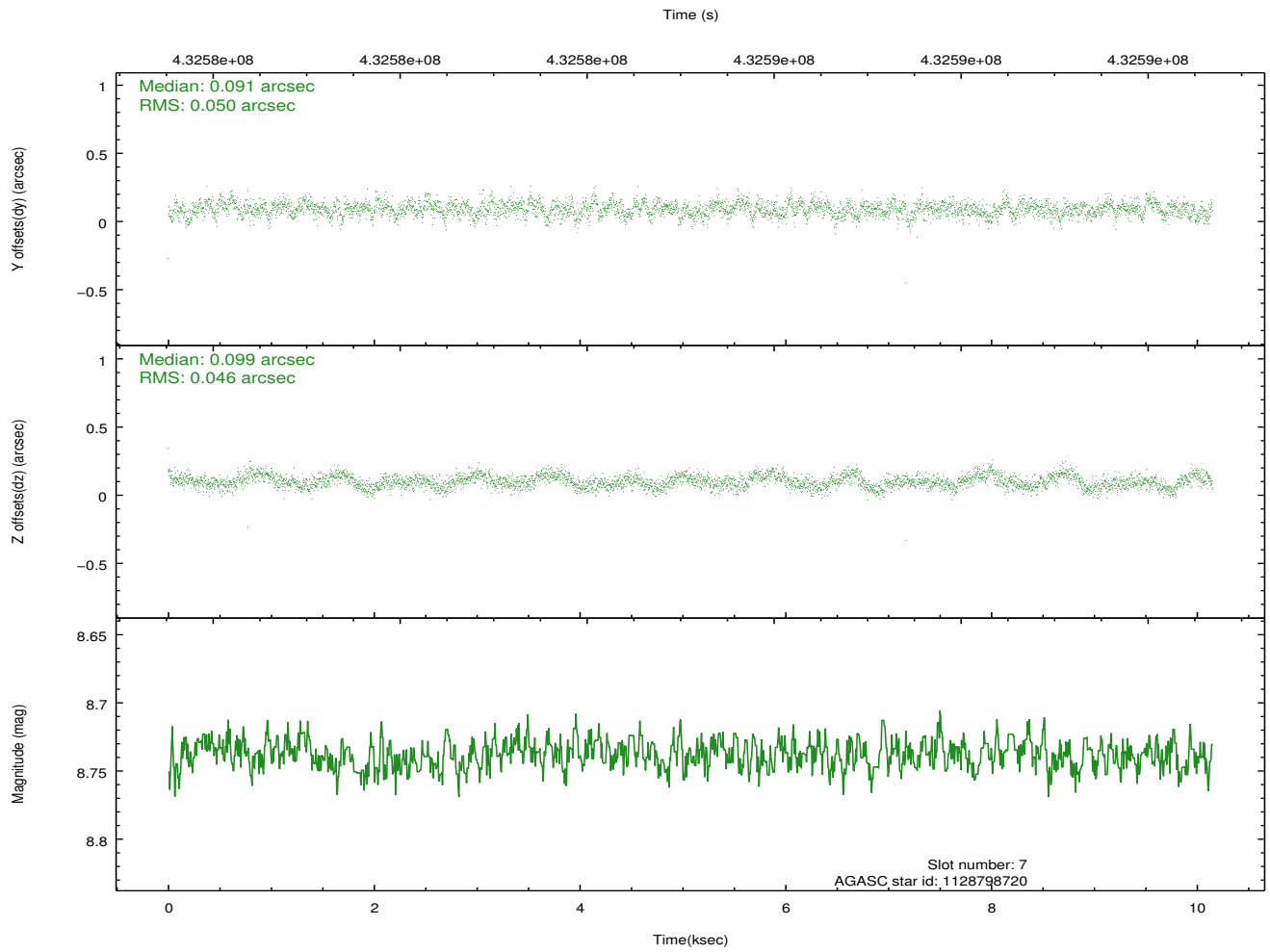
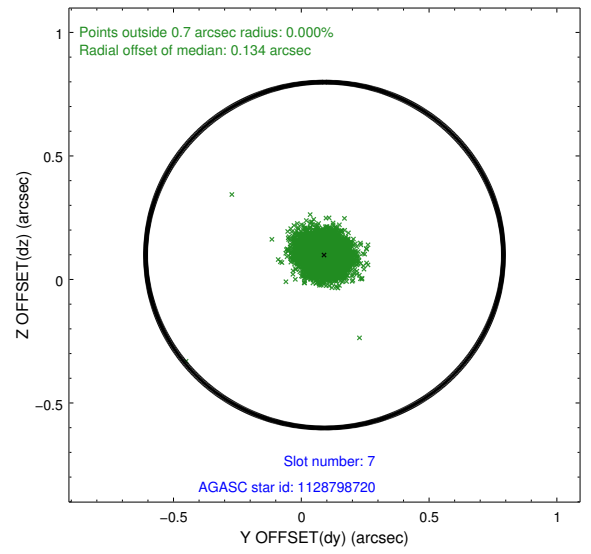
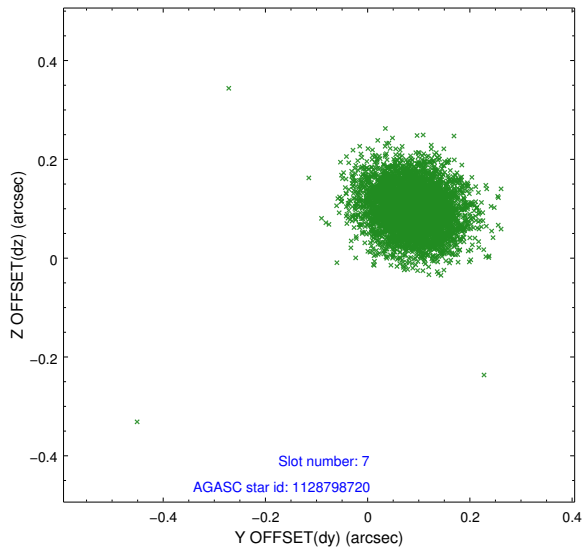
2.4.3 Slot 5



2.4.4 Slot 6

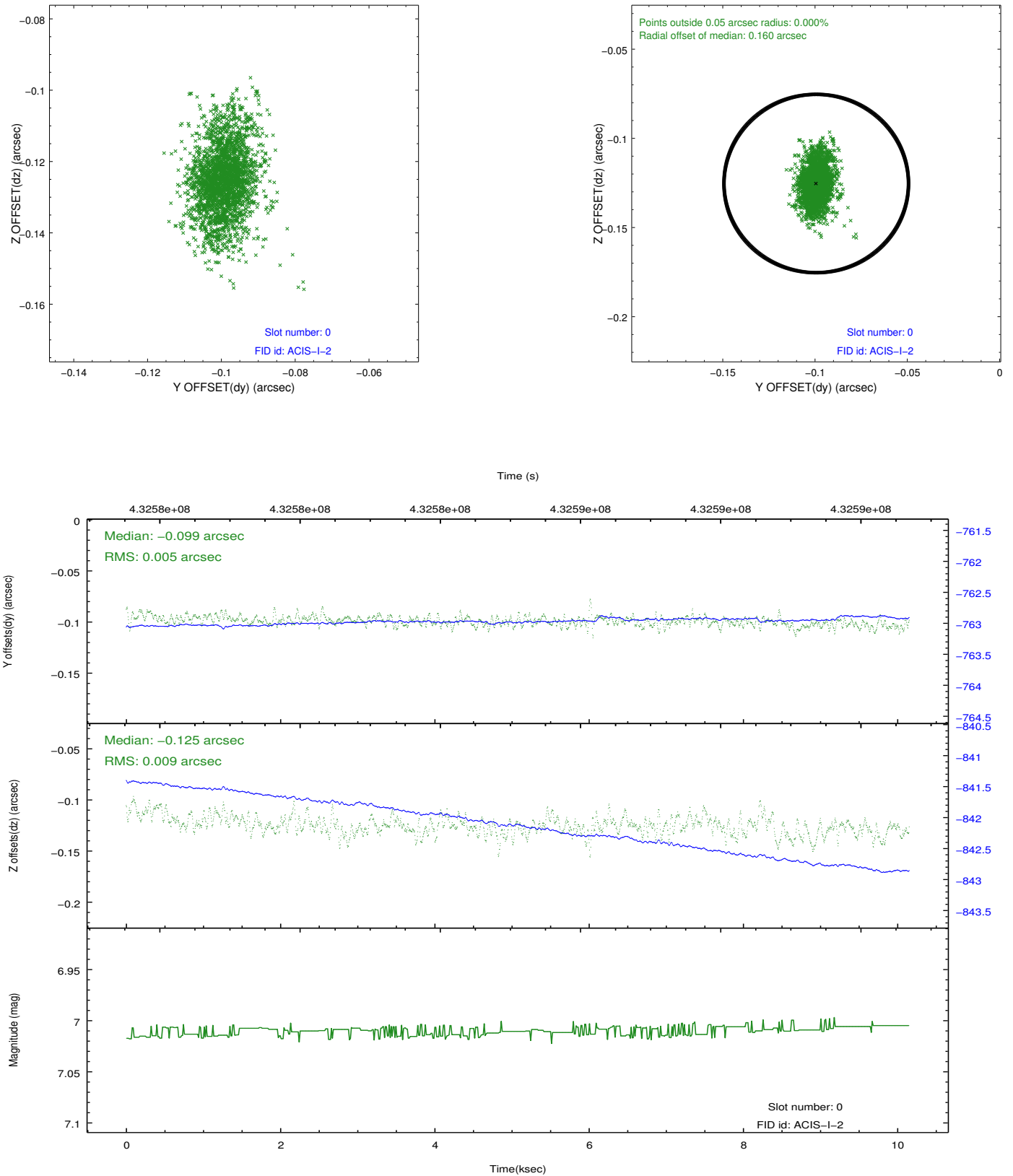


2.4.5 Slot 7

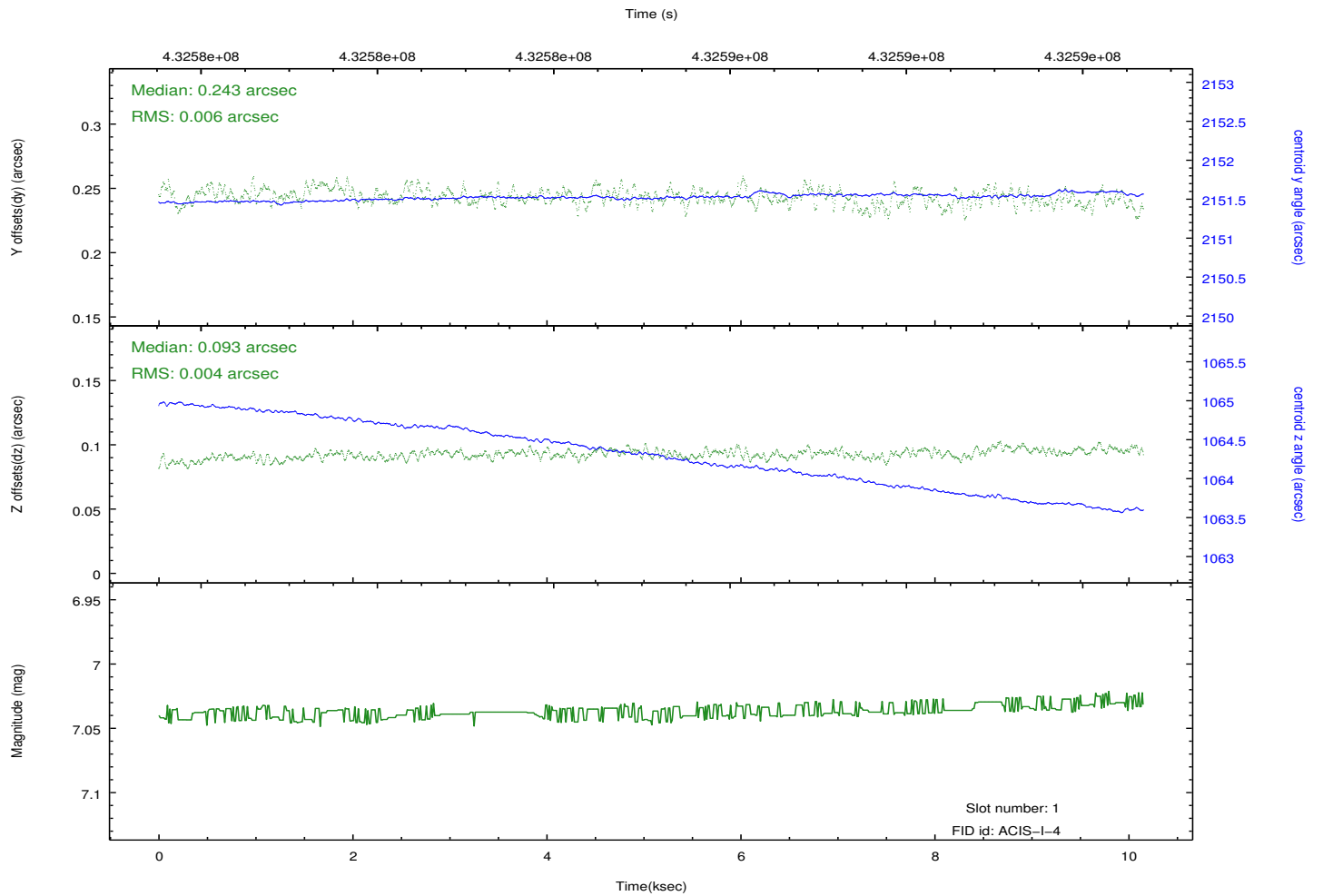
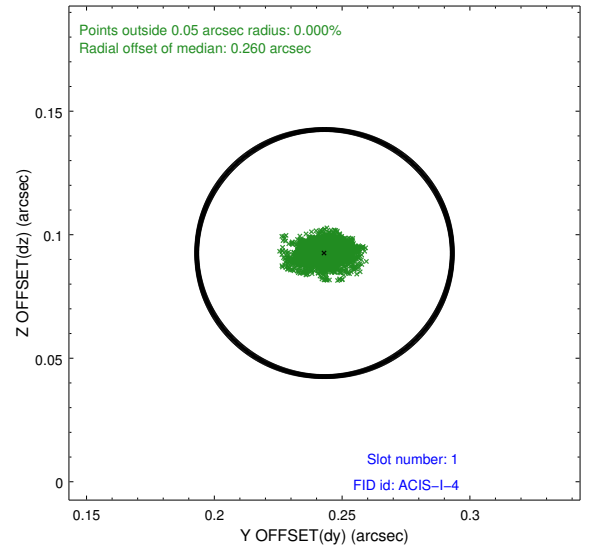
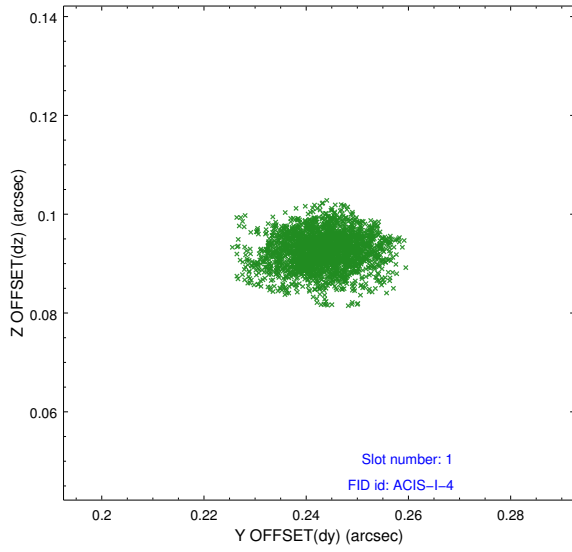


2.5 FID Slots

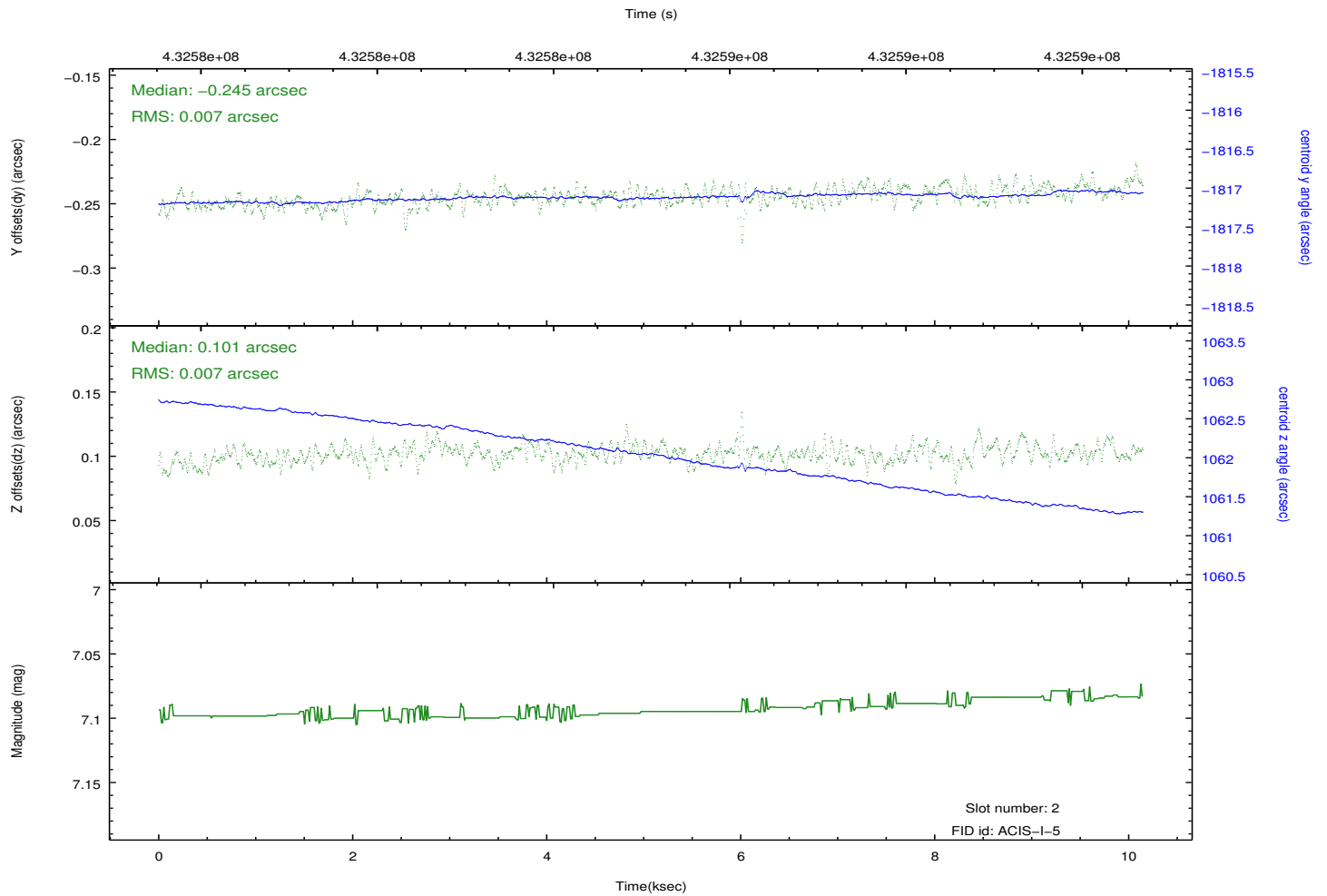
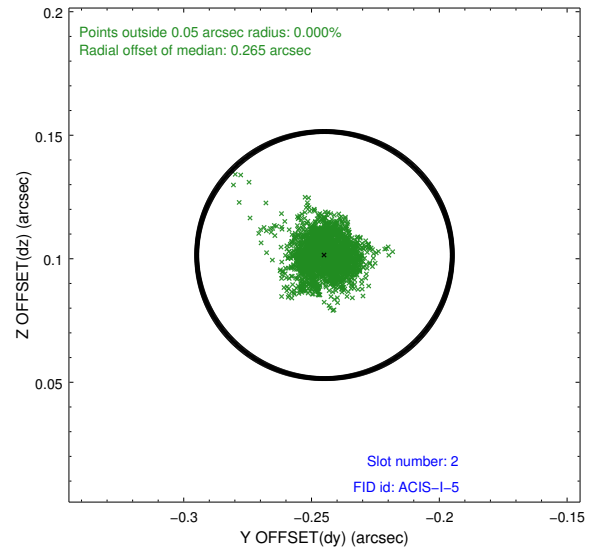
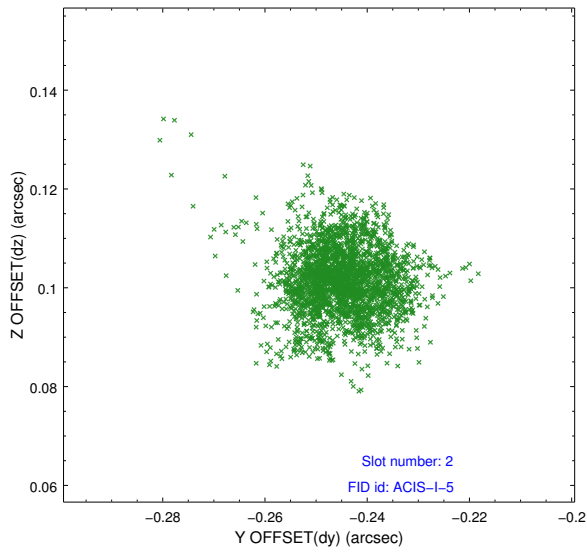
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.056760729015

A.2 Comments