

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2899 - L2 Version 3
Chandra X-Ray Center

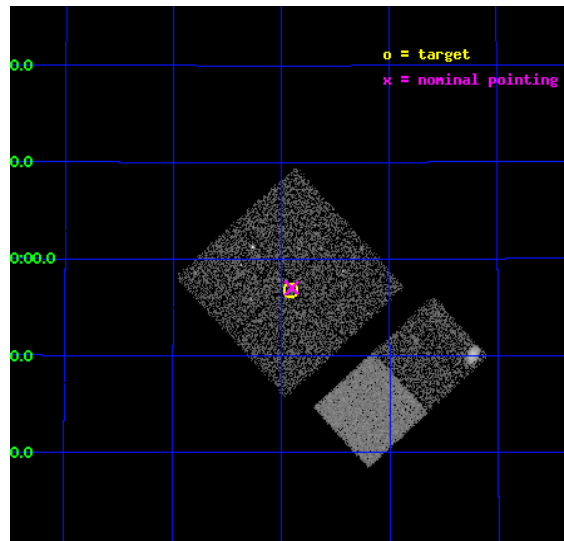
L2 Processing Date : Oct 13 2012

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1 Front

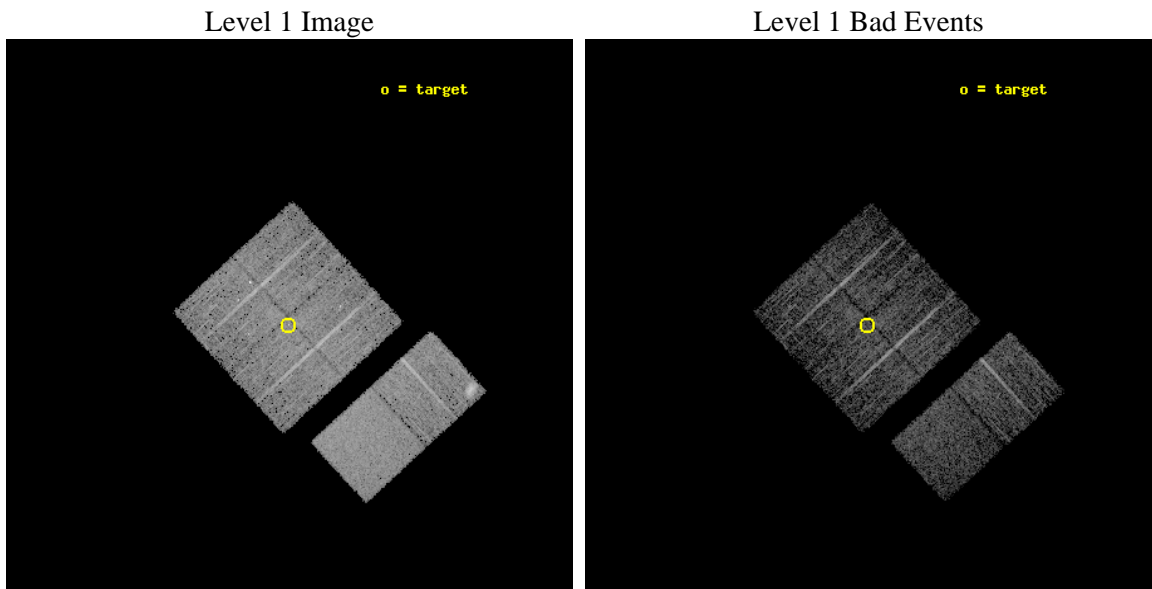
seq_num	600236	Sequence number
obs_id	2899	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T5	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.477879	Observer's specified target RA [deg]
dec_targ	40.946611	Observer's specified target Dec [deg]
ra_nom	10.47542425183	Nominal RA [deg]
dec_nom	40.950785712672	Nominal Dec [deg]
roll_nom	137.40439353808	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4963.1999815106	Sum of GTIs [s]
livetime	4900.3529548645	Livetime [s]
ontime0	4963.1999815106	Sum of GTIs [s]
ontime1	4963.1999815106	Sum of GTIs [s]
ontime2	4963.1999815106	Sum of GTIs [s]
ontime3	4963.1999815106	Sum of GTIs [s]
ontime6	4963.1999815106	Sum of GTIs [s]
ontime7	4963.1999815106	Sum of GTIs [s]
l2events	35384	Number of level 2 events



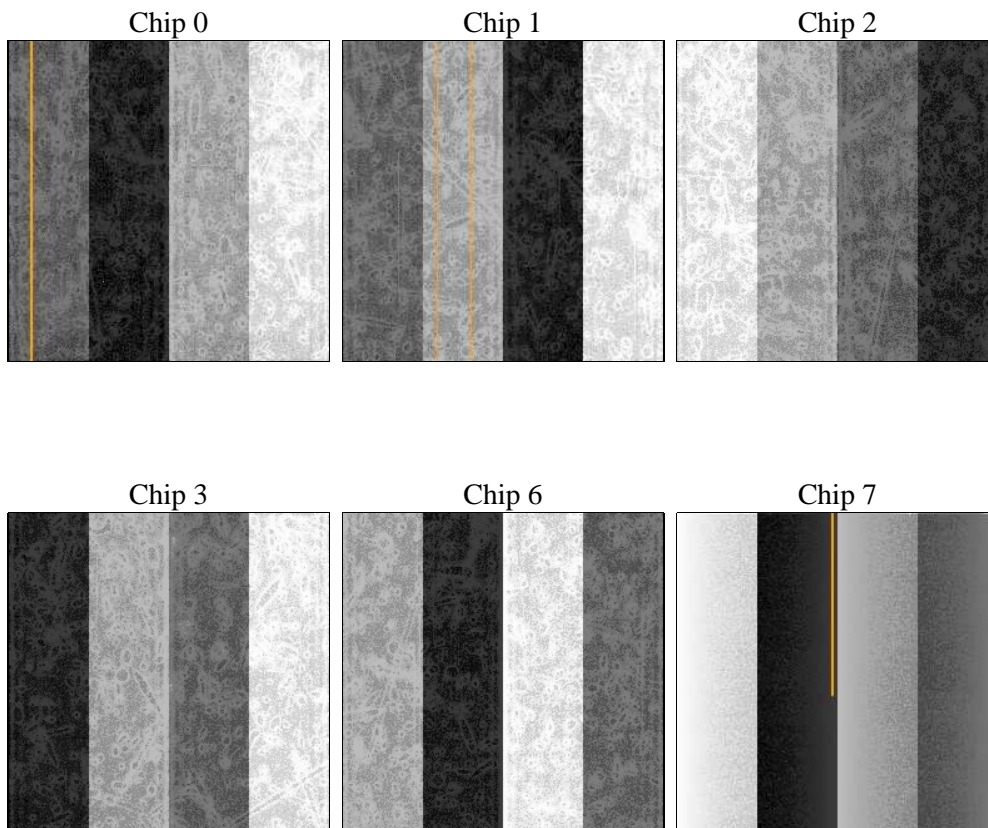
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4963.1999815106	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4963.1999815106	Sum of GTIs [s]
date	2012-10-14T00:40:03	Date and time of file creation	ontime1	4963.1999815106	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4963.1999815106	Sum of GTIs [s]
			ontime3	4963.1999815106	Sum of GTIs [s]
			ontime6	4963.1999815106	Sum of GTIs [s]
			ontime7	4963.1999815106	Sum of GTIs [s]
			l1events	189098	Number of level 1 events

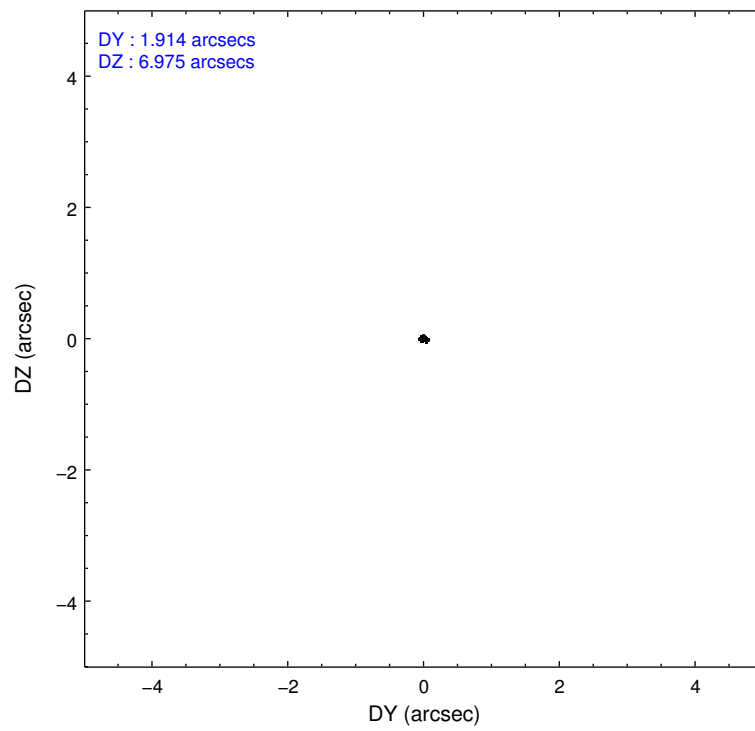
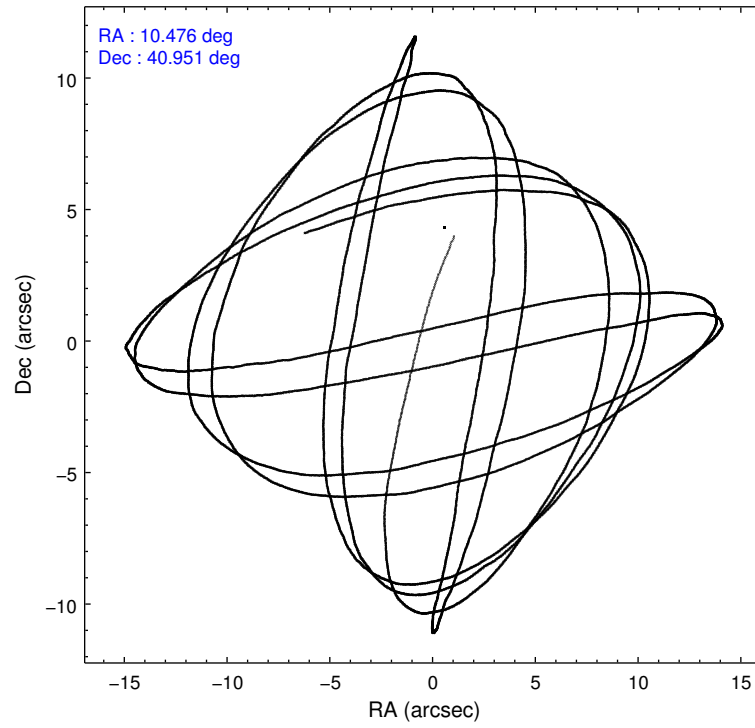
2.1.4 Events

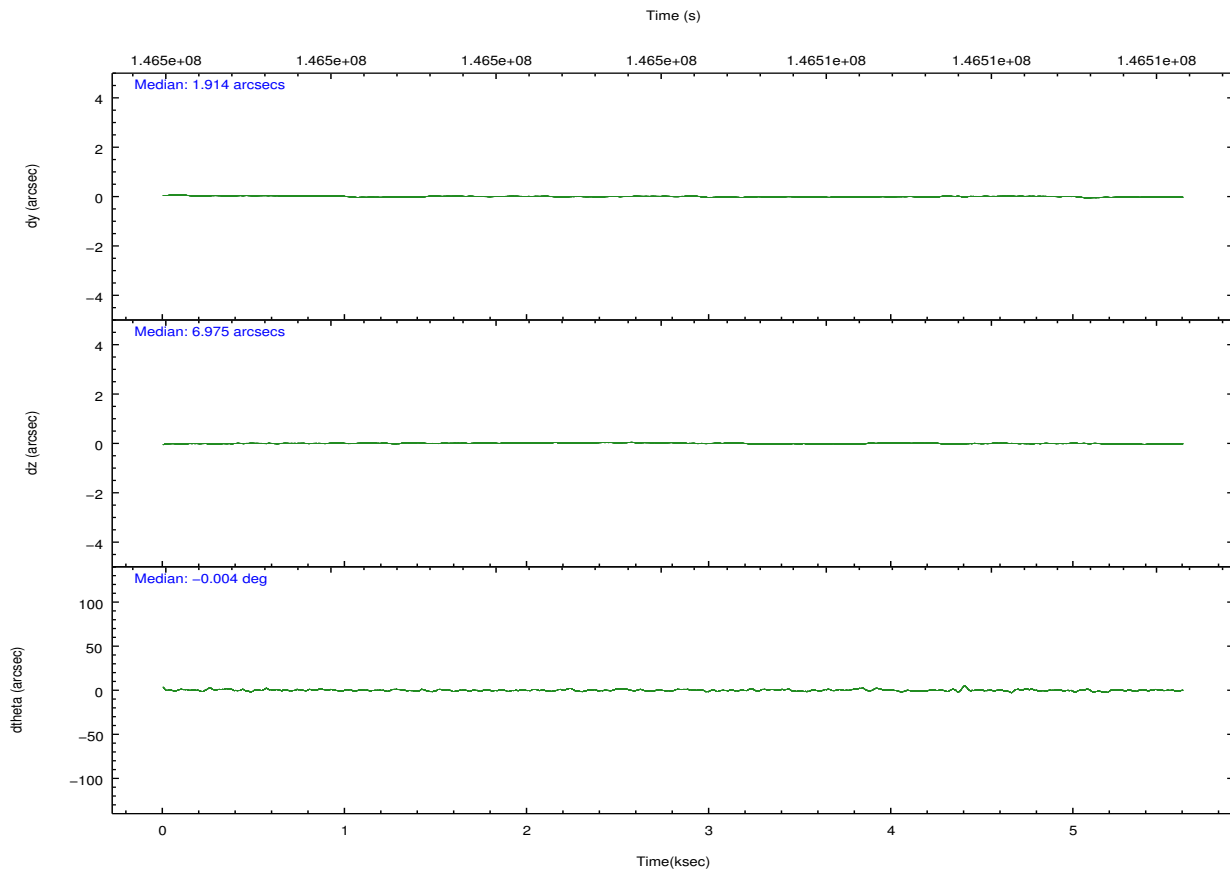
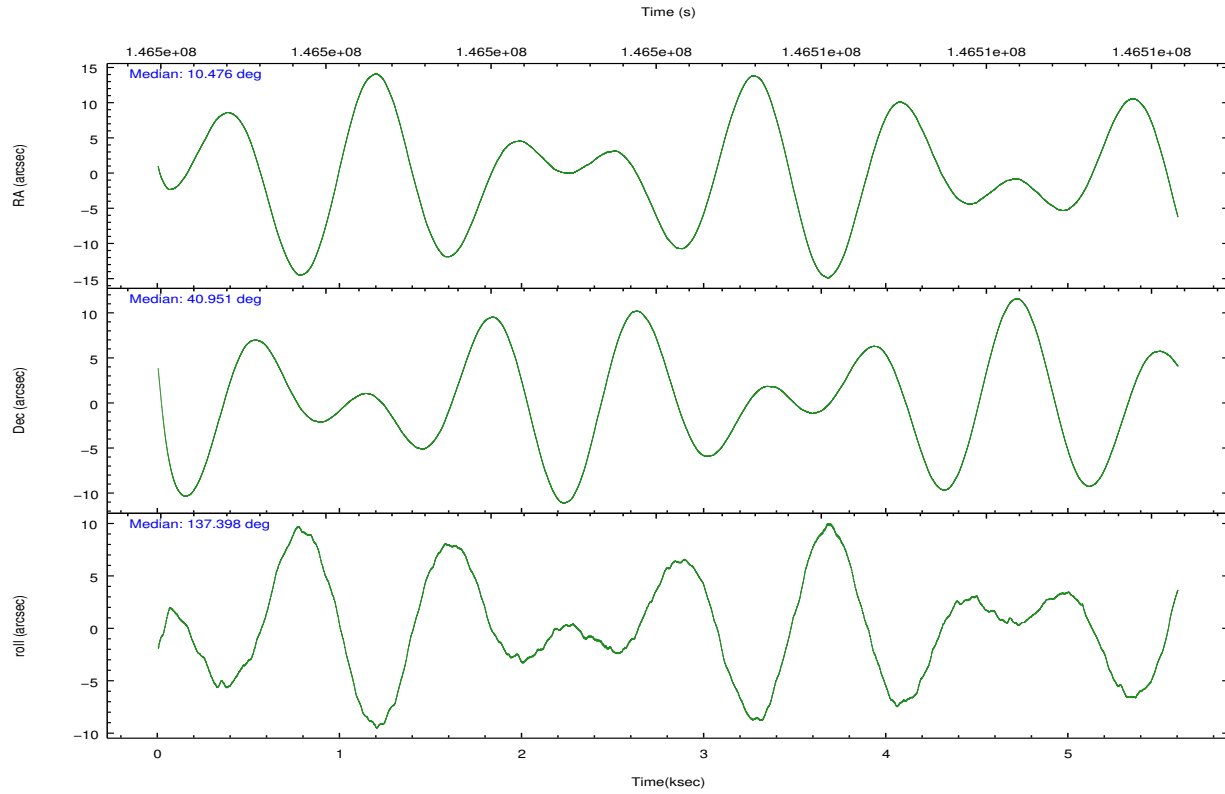
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27317	29636	30912	29532	33592	38109	grade 0 events	1805	2426	1909	1766	3322	1491
rejected events	23341	24549	27004	25706	27612	22394		6%	8%	6%	5%	9%	3%
rejected %	85%	82%	87%	87%	82%	58%	grade 1 events	18	26	16	19	21	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	829	1027	769	715	1027	3038
								3%	3%	2%	2%	3%	7%
							grade 3 events	360	425	301	353	432	1428
								1%	1%	0%	1%	1%	3%
							grade 4 events	354	442	320	371	429	1346
								1%	1%	1%	1%	1%	3%
							grade 5 events	1083	1200	1074	1239	1289	3583
								3%	4%	3%	4%	3%	9%
							grade 6 events	629	771	609	625	776	8428
								2%	2%	1%	2%	2%	22%
							grade 7 events	22239	23319	25914	24444	26296	18761
								81%	78%	83%	82%	78%	49%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	10.510748	10.47542425183019	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.944967	40.95078571267172	Alternating exposures requested	N	N
[deg] Pointing Roll	137.172553	137.4043935380828	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	144720064.184000	144720064.184000			
[s] Window stop time (MET)	146707264.184000	146707264.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	146502876.184000	146501707.58699			
Observation start date	2002-08-23T15:13:32	2002-08-23T14:55:07			
[s] Observation end time (MET)	146507876.184000	146508637.61228			
Observation end date	2002-08-23T16:36:52	2002-08-23T16:50:37			
Read mode	TIMED	TIMED			

2.3 Aspect



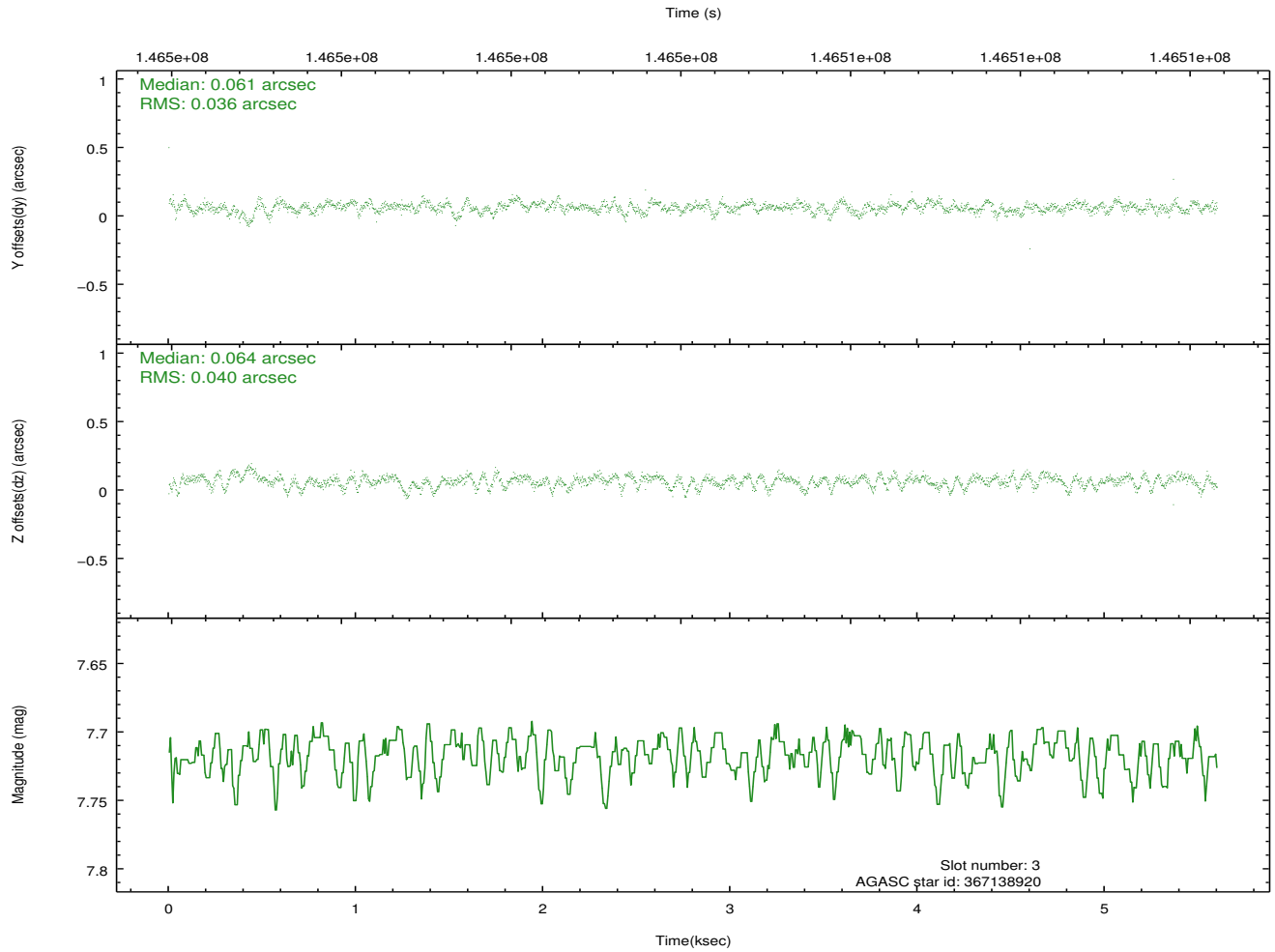
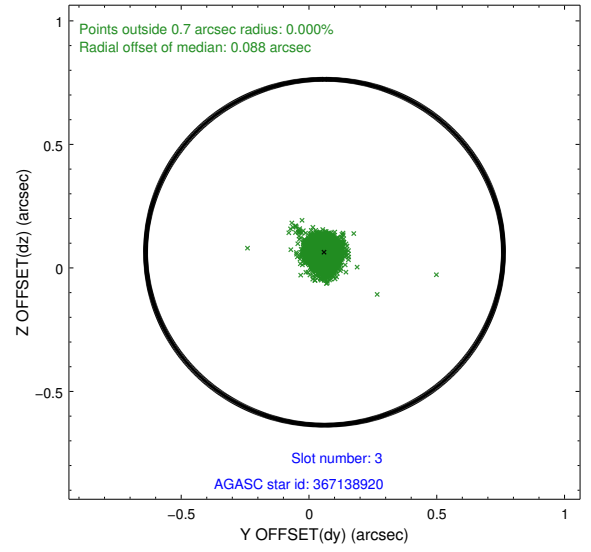
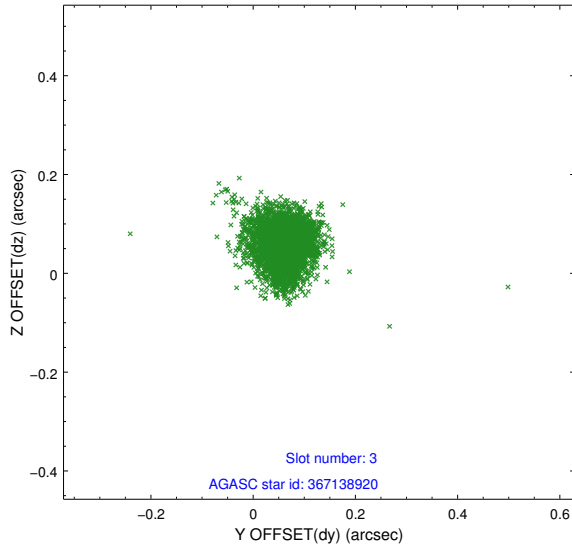


Slot Statistics

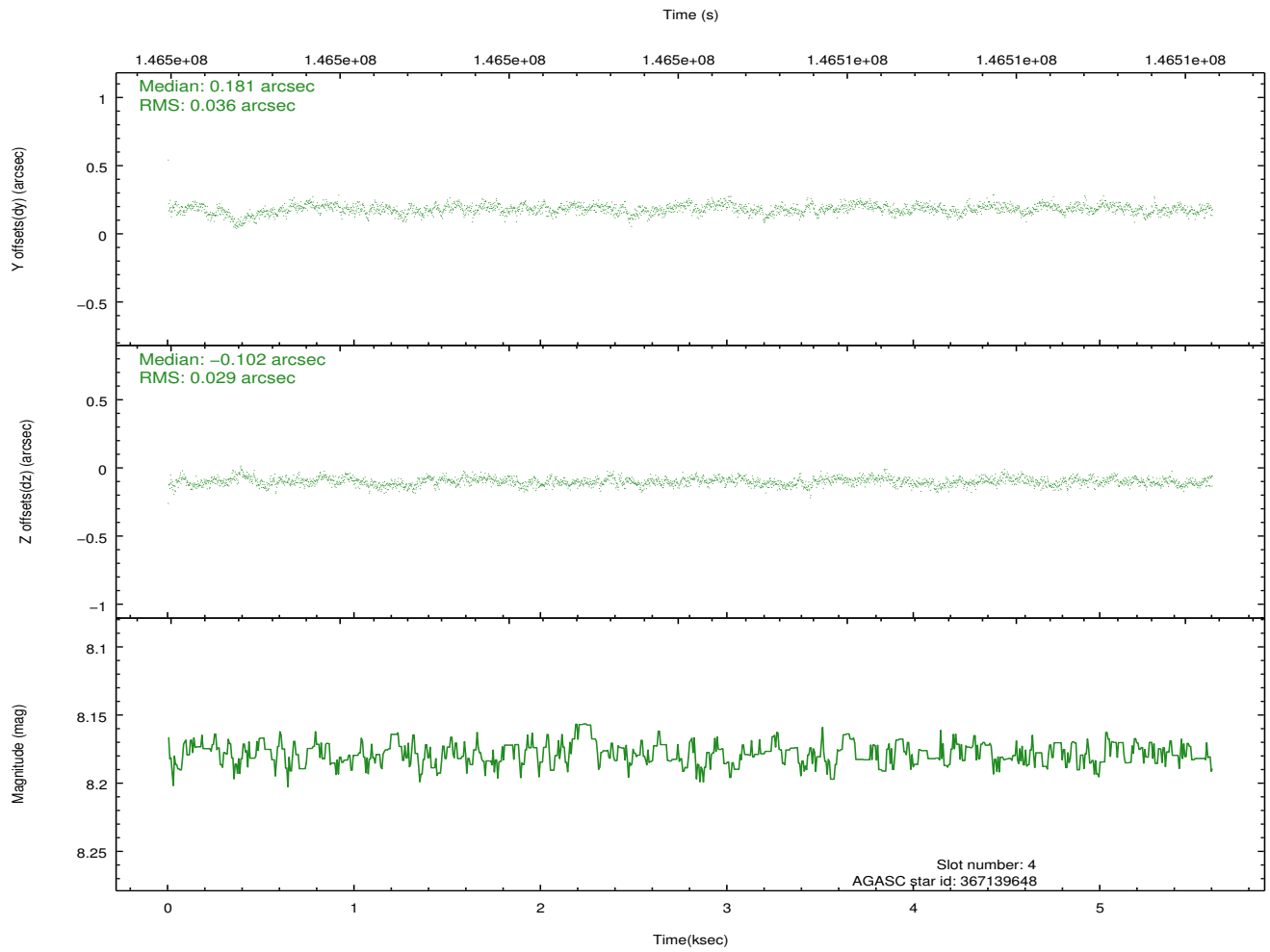
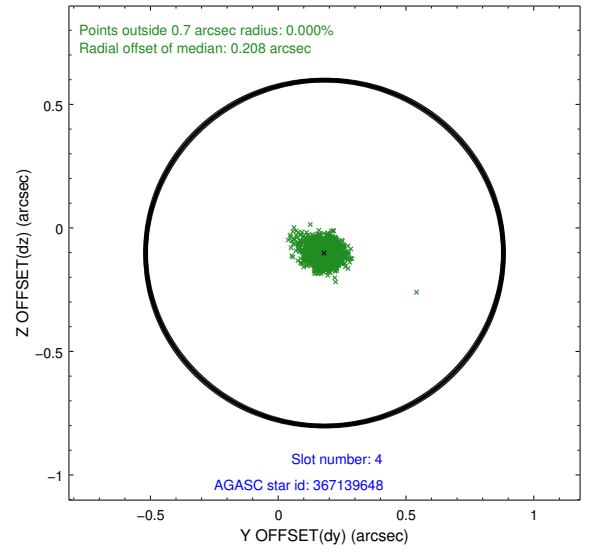
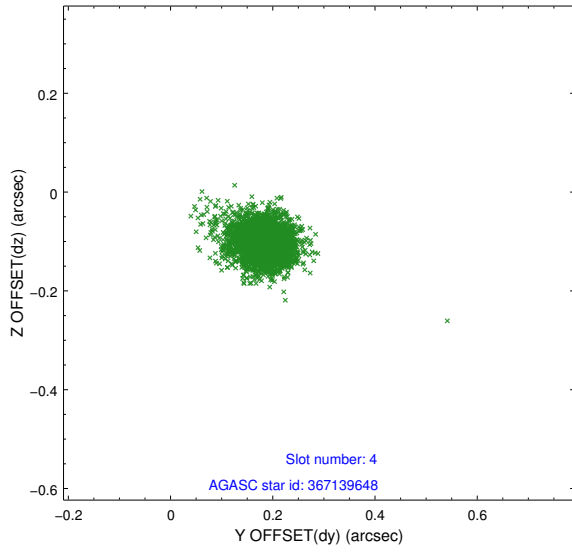
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1366	-0.095	0.007	0.009	0.015	0.000000	0.000000	937.84	-830.33
1	FID	ACIS-I-2	7.15	1366	-0.037	-0.017	0.007	0.011	0.000000	0.000000	-755.59	-837.38
2	FID	ACIS-I-4	7.18	1365	0.034	0.078	0.006	0.011	0.000000	0.000000	2157.32	1069.04
3	GUIDE	367138920	7.72	2733	0.061	0.064	0.055	0.090	11.513485	40.808909	-2324.33	-1509.26
4	GUIDE	367139648	8.18	2732	0.181	-0.102	0.047	0.078	11.021290	40.433909	-2272.81	395.06
5	GUIDE	367144424	8.64	2733	0.125	-0.227	0.071	0.113	10.464515	40.309136	-1461.91	1765.43
6	GUIDE	367663272	9.30	2668	-0.228	0.214	0.095	0.155	10.656279	41.699429	1561.13	-2256.47
7	GUIDE	367658664	9.59	2731	-0.139	0.057	0.082	0.138	10.374070	41.369746	1313.01	-870.76

2.4 Star Slots

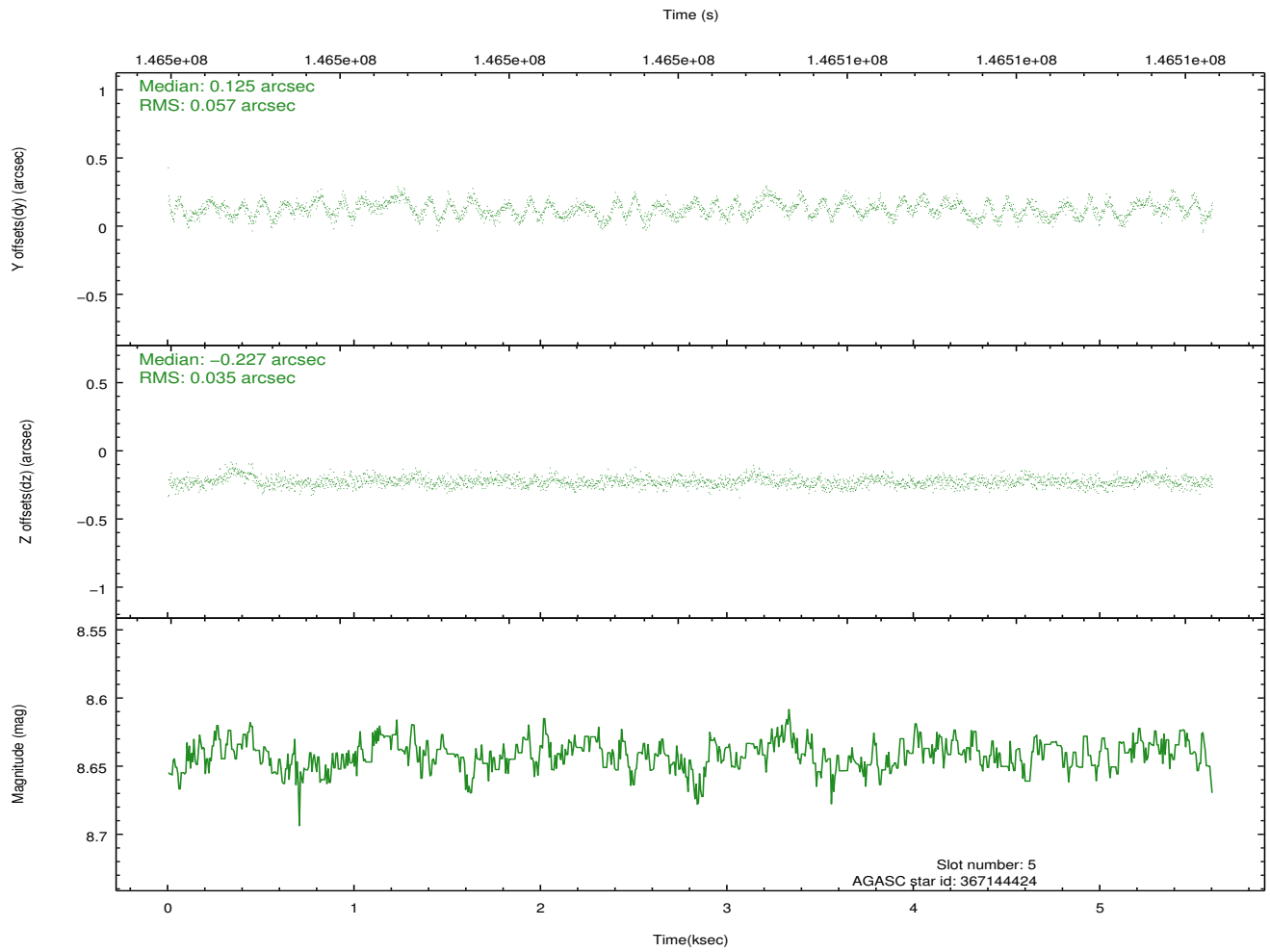
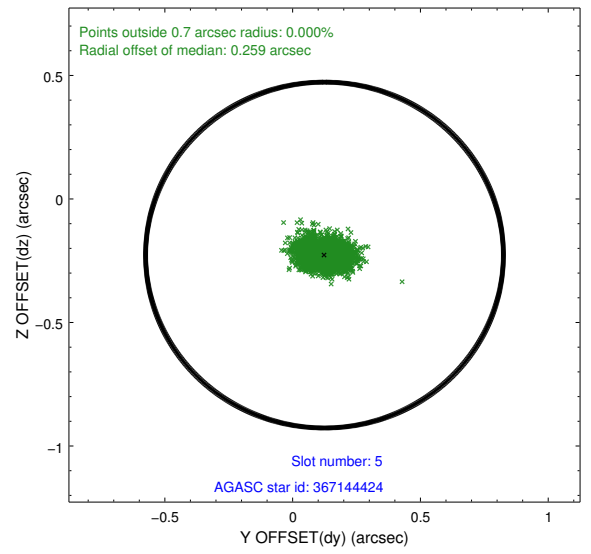
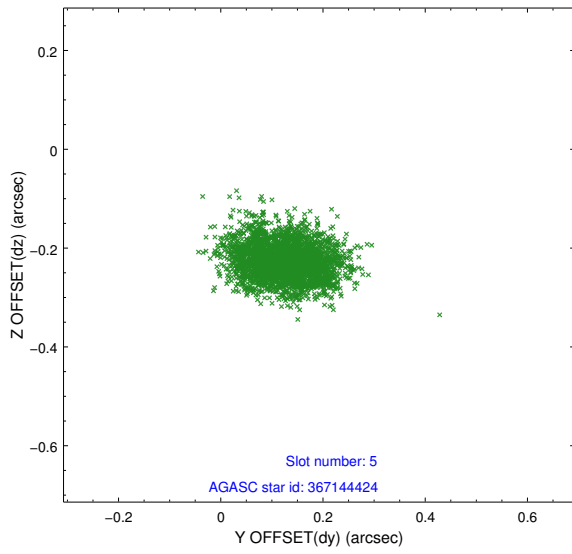
2.4.1 Slot 3



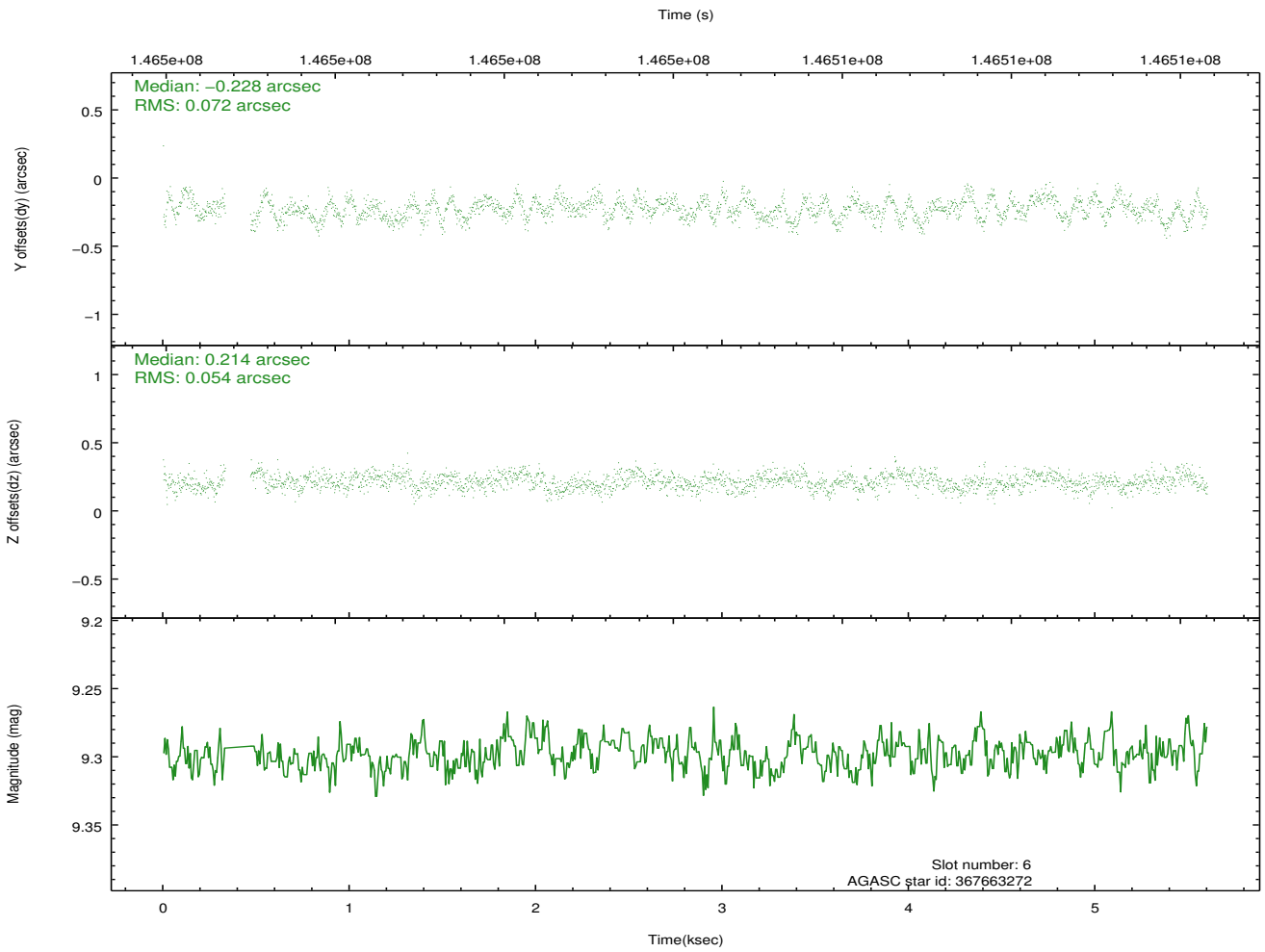
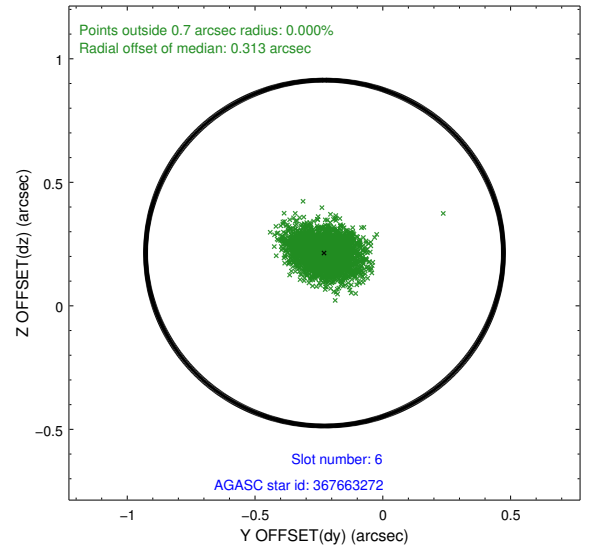
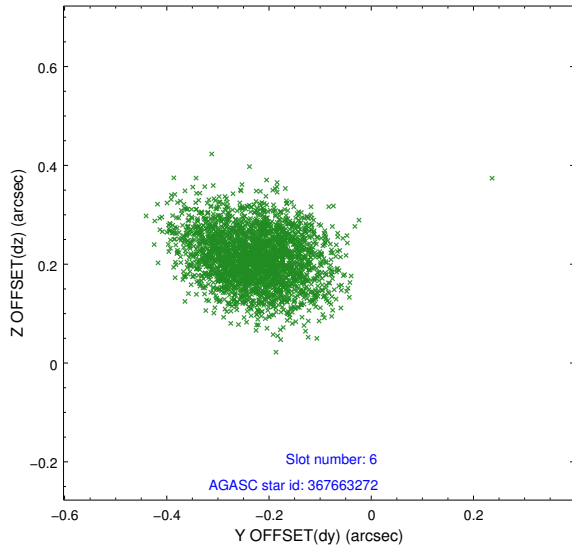
2.4.2 Slot 4



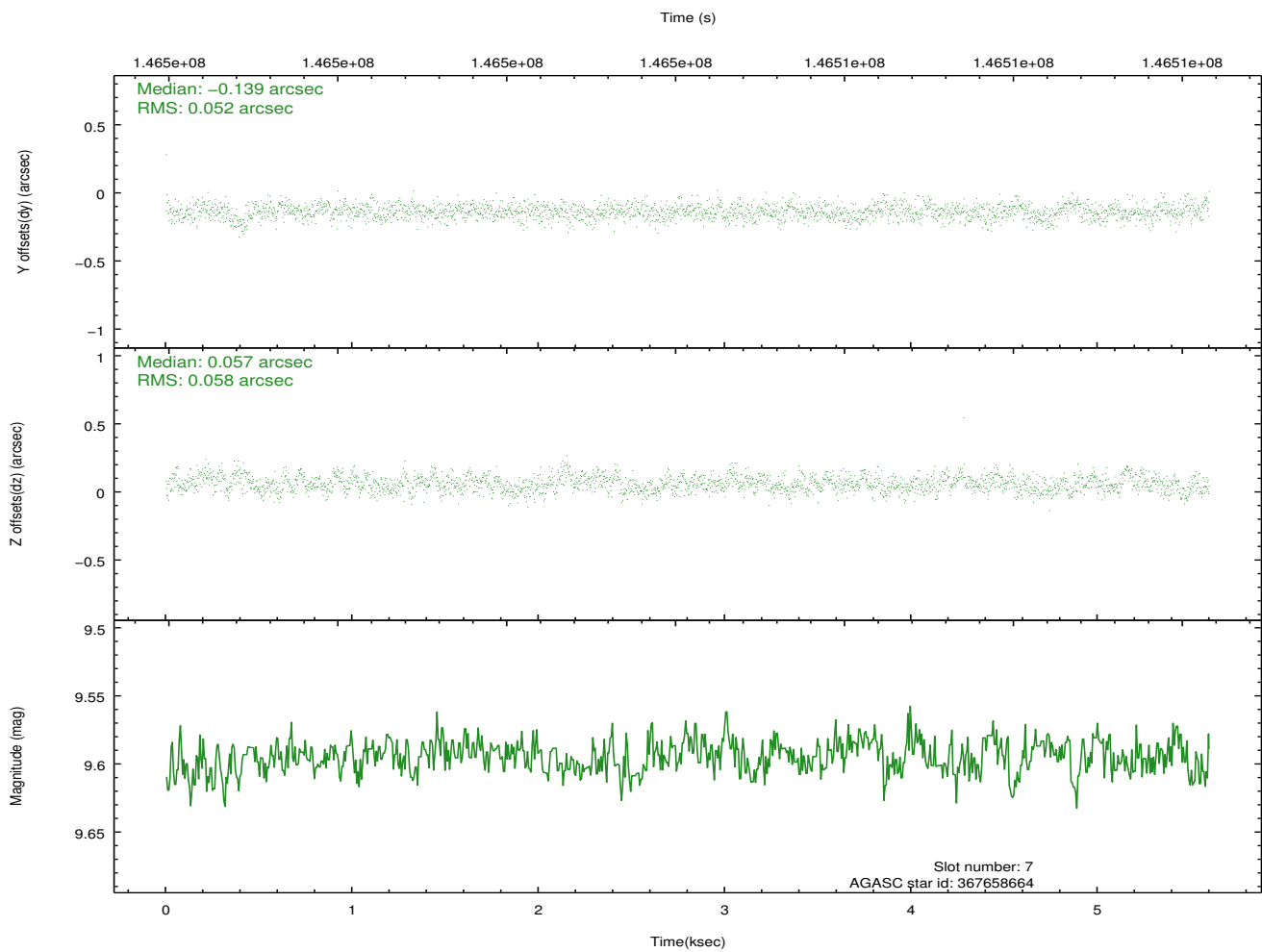
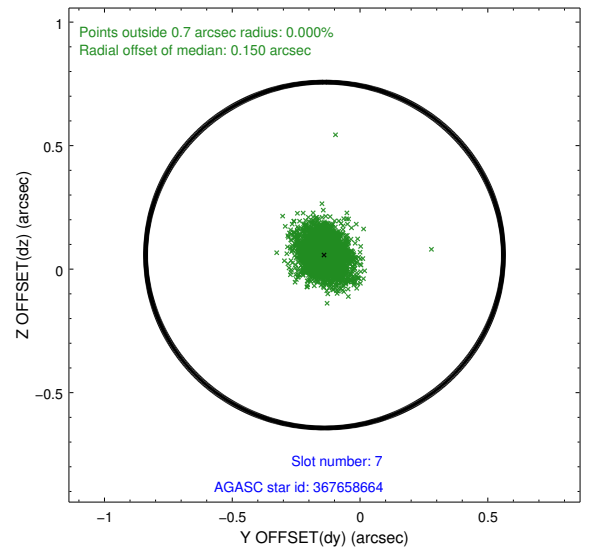
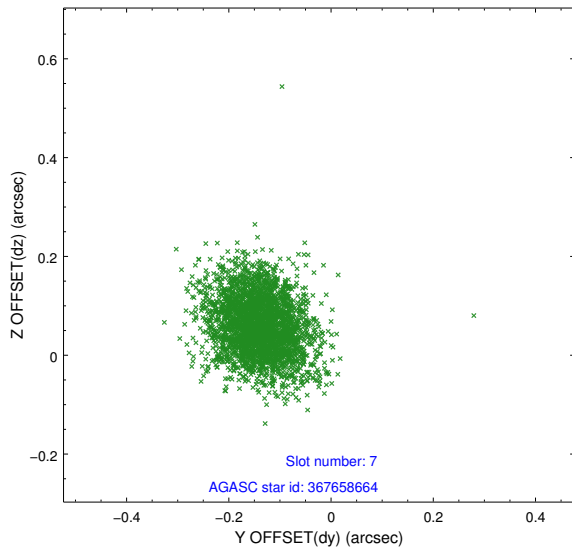
2.4.3 Slot 5



2.4.4 Slot 6

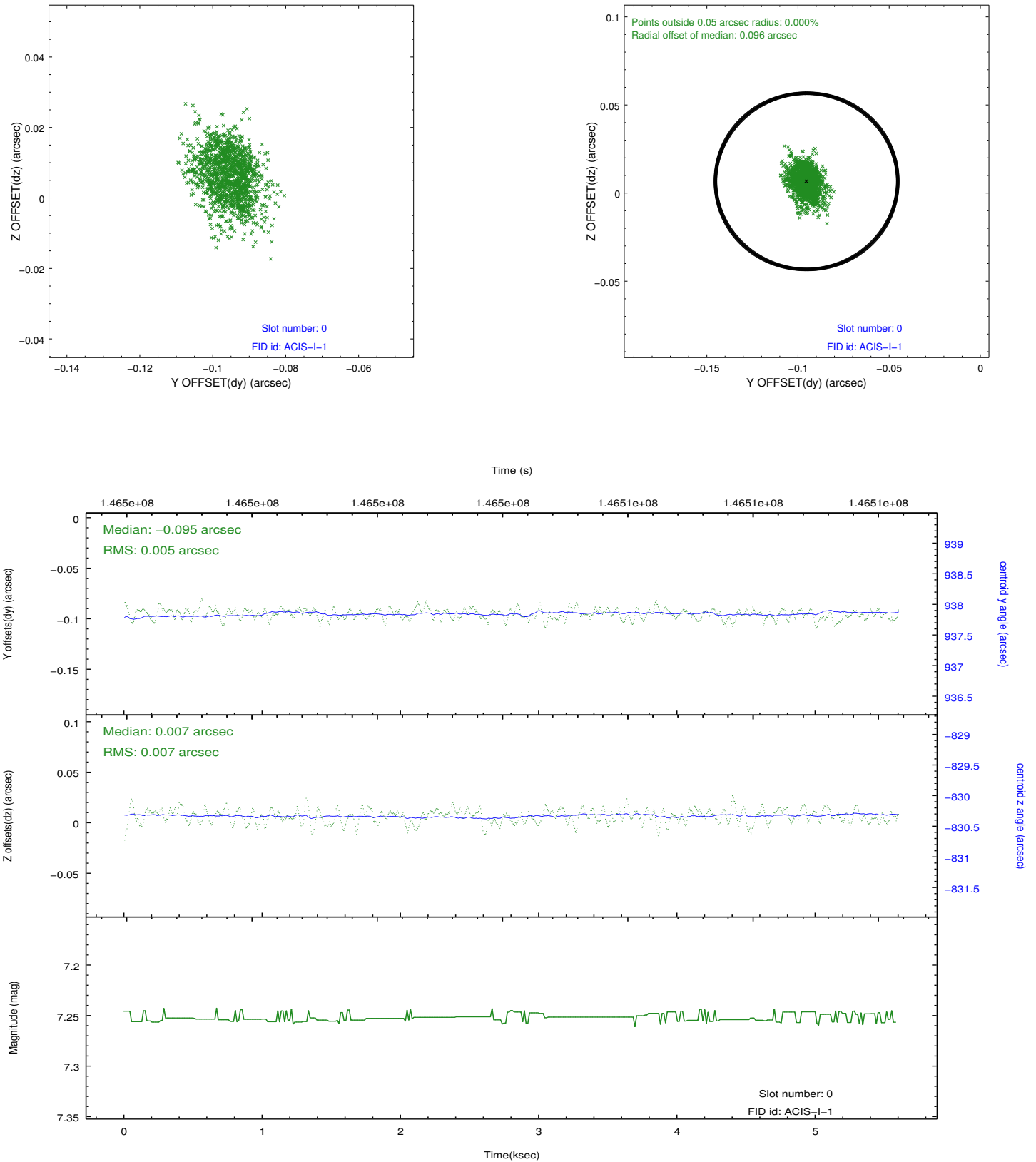


2.4.5 Slot 7

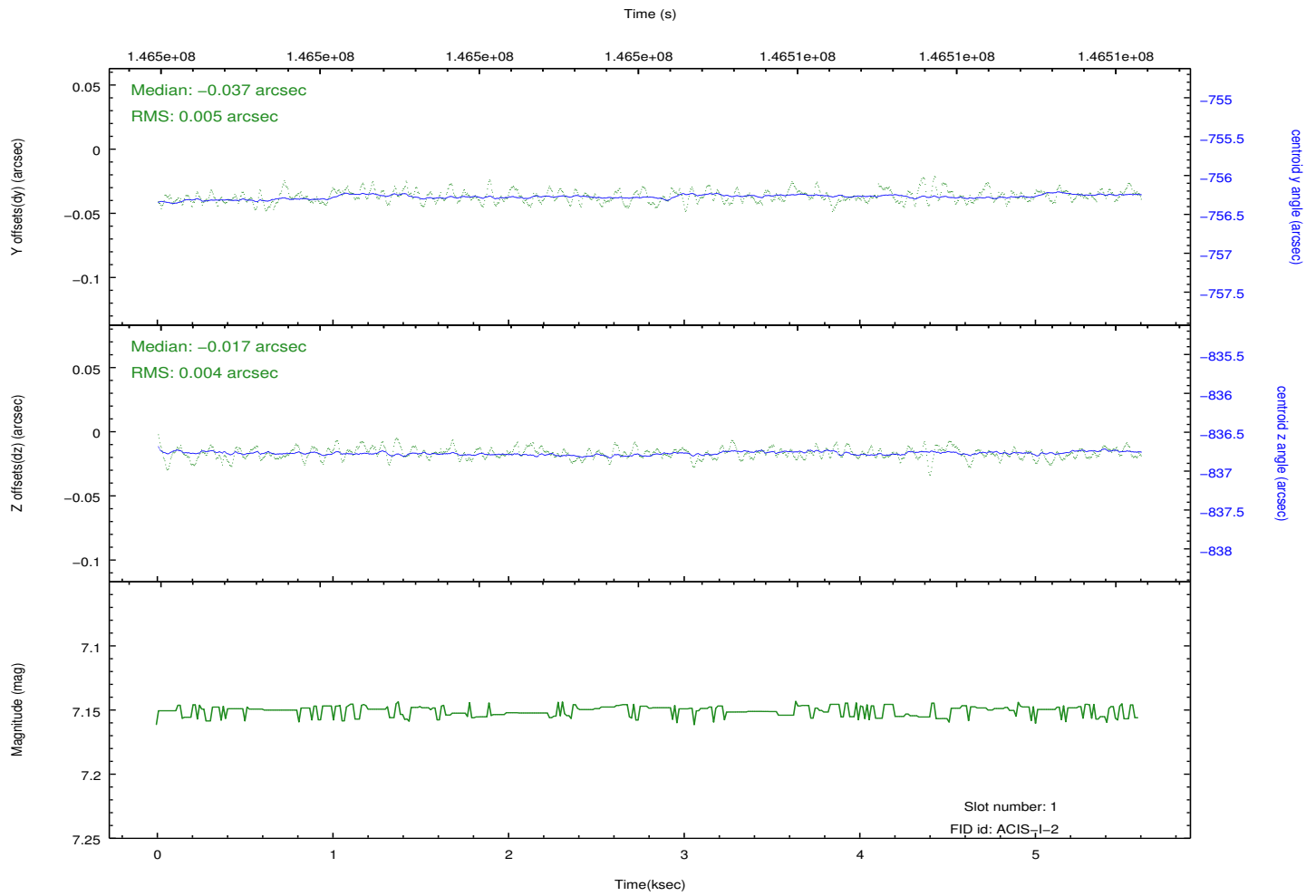
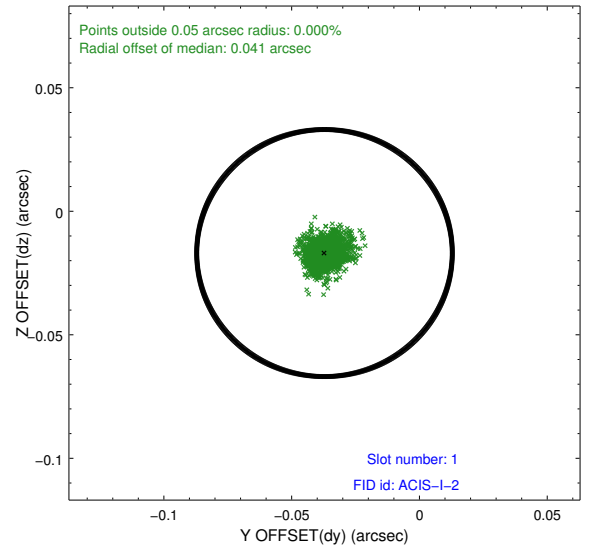
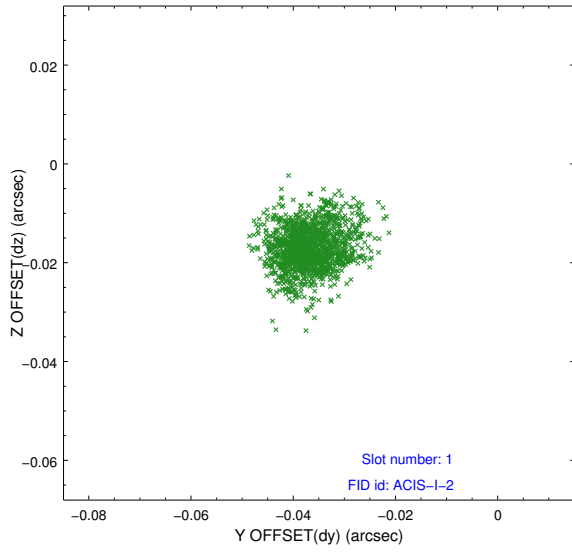


2.5 FID Slots

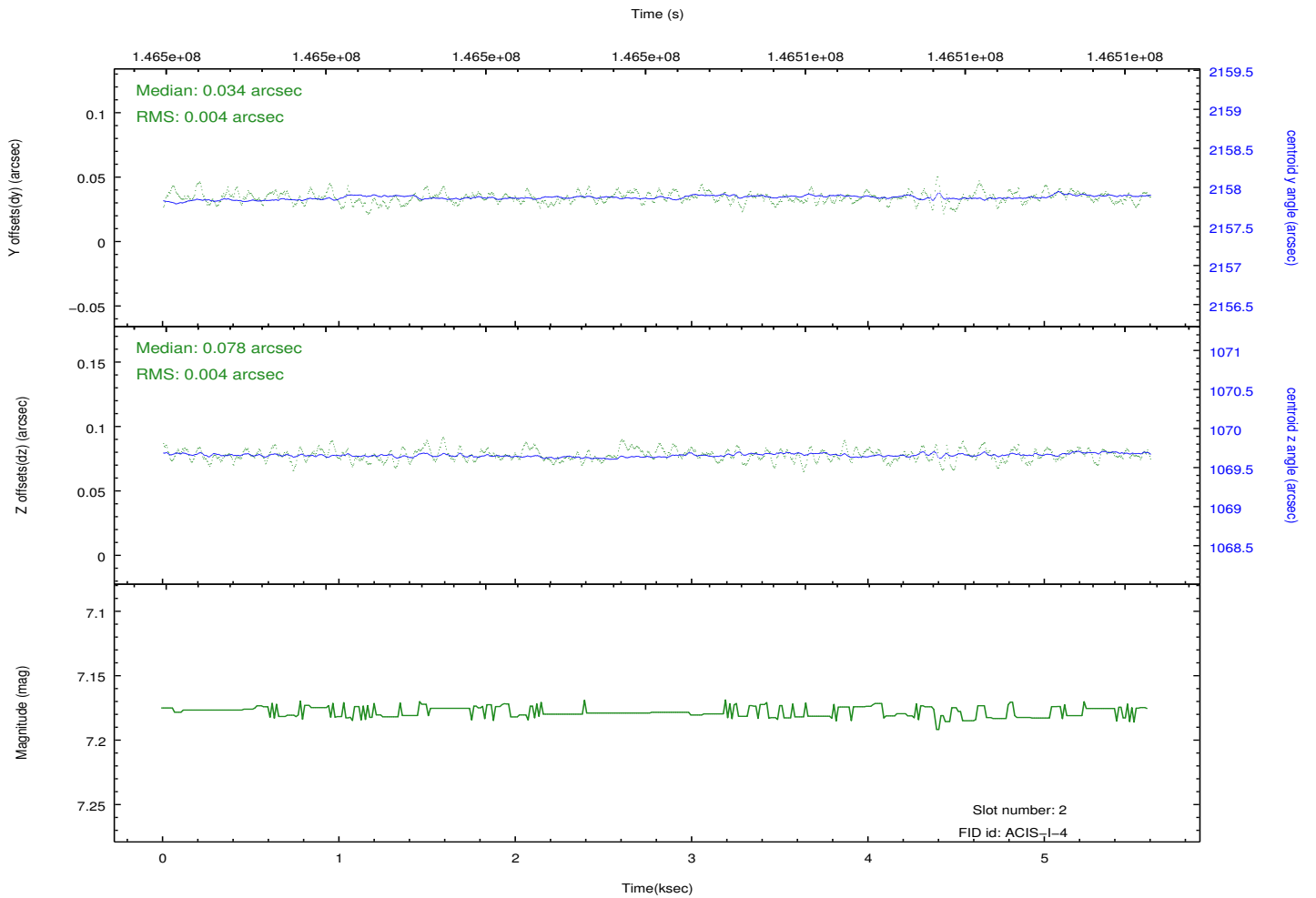
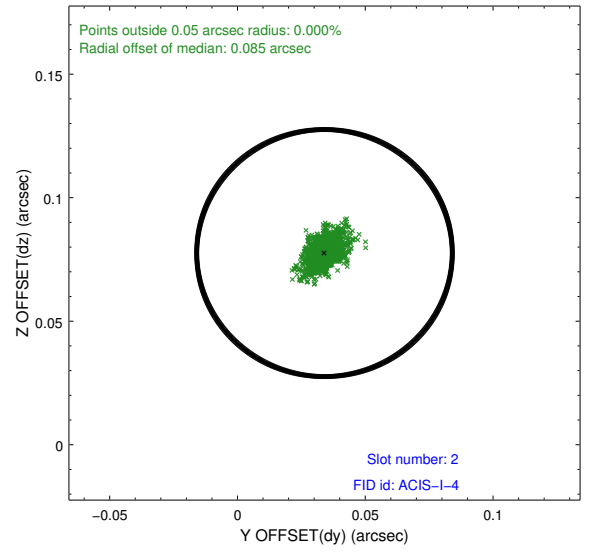
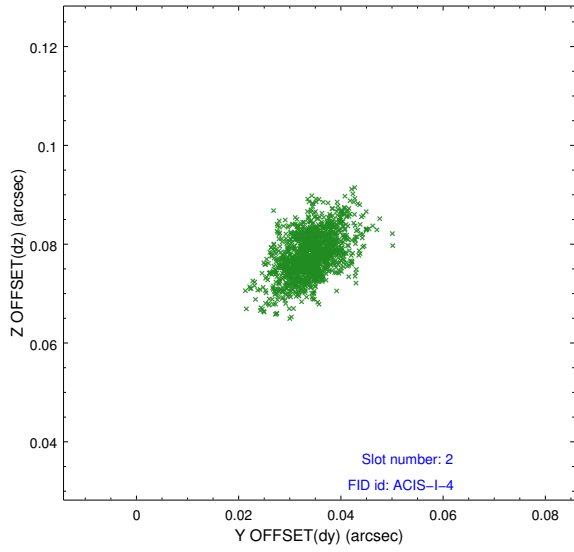
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.966

A.2 Comments

Window constraint satisfied.