

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6752 - L2 Version 2
Chandra X-Ray Center

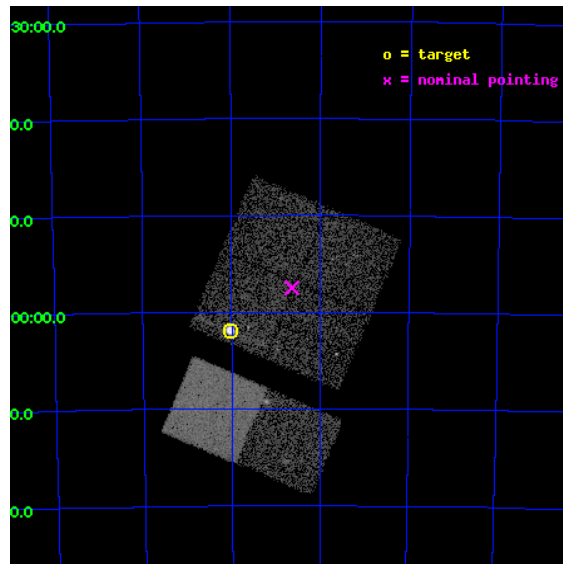
L2 Processing Date : Mar 28 2012

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1 Front

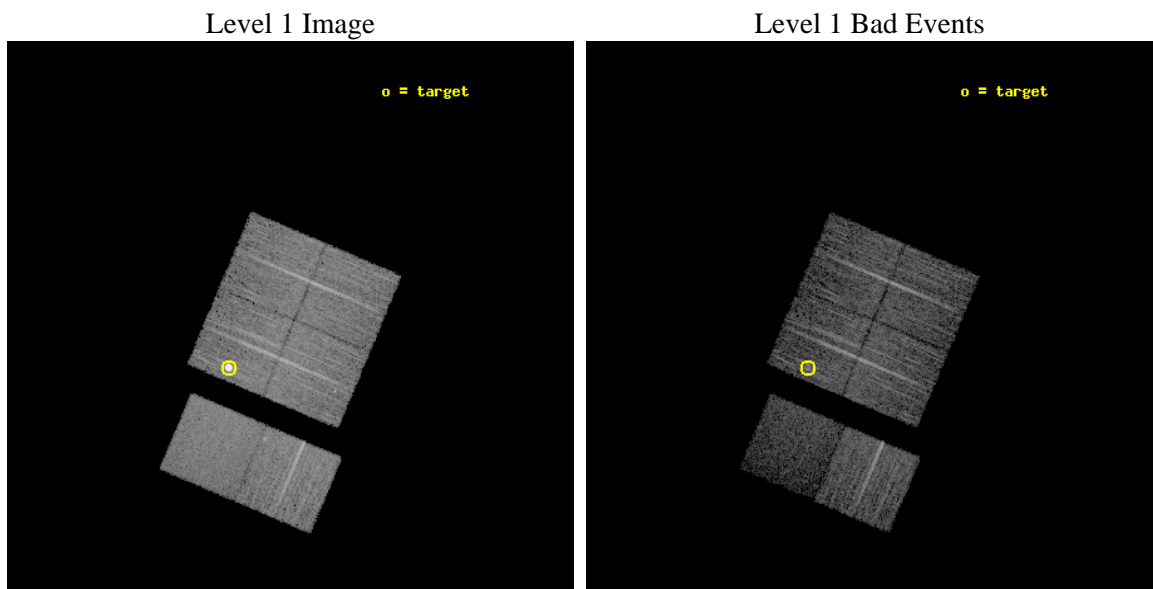
seq_num	590435	Sequence number
obs_id	6752	Observation id
title	AO7 ACIS-I Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I3,-120,-4.0,6.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.660064252612	Nominal RA [deg]
dec_nom	-71.958124812438	Nominal Dec [deg]
roll_nom	202.92379609145	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7254.3590026796	Sum of GTIs [s]
livetime	7162.4999409371	Livetime [s]
ontime0	7257.5999729633	Sum of GTIs [s]
ontime1	7257.5999729633	Sum of GTIs [s]
ontime2	7257.5999729633	Sum of GTIs [s]
ontime3	7254.3590026796	Sum of GTIs [s]
ontime6	7257.5999729633	Sum of GTIs [s]
ontime7	7257.5999729633	Sum of GTIs [s]
l2events	60831	Number of level 2 events



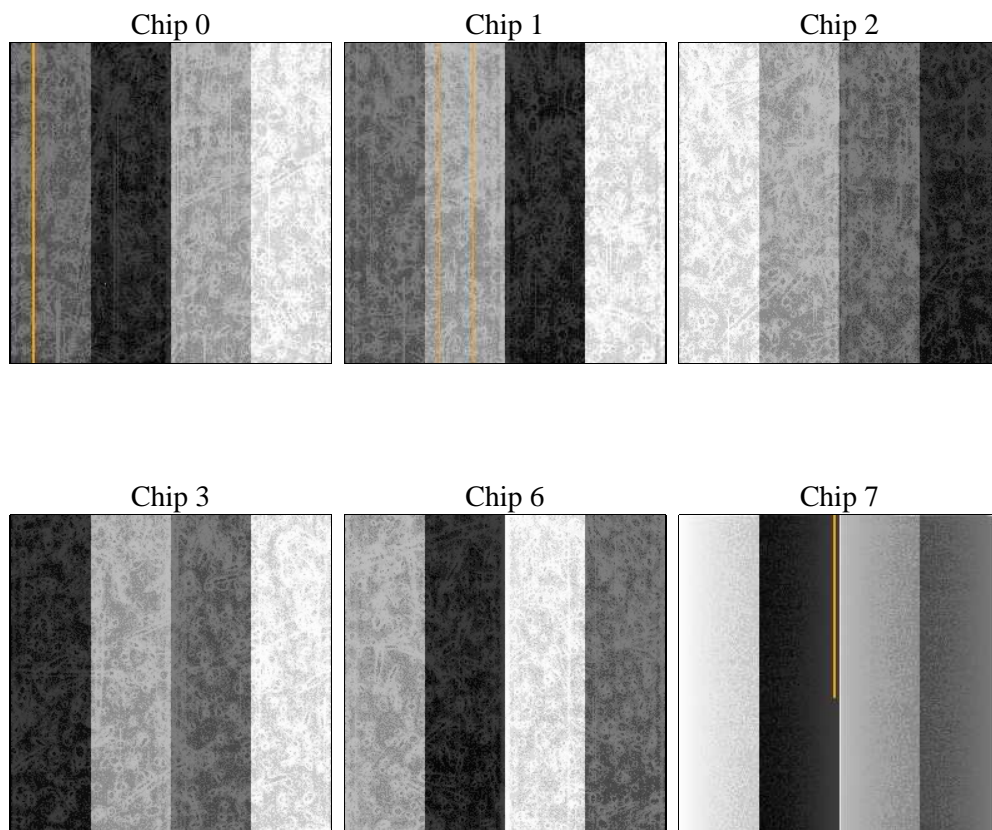
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	7254.3590026796	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	7257.5999729633	Sum of GTIs [s]
date	2012-03-28T03:15:55	Date and time of file creation	ontime1	7257.5999729633	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7257.5999729633	Sum of GTIs [s]
			ontime3	7254.3590026796	Sum of GTIs [s]
			ontime6	7257.5999729633	Sum of GTIs [s]
			ontime7	7257.5999729633	Sum of GTIs [s]
			l1events	309182	Number of level 1 events

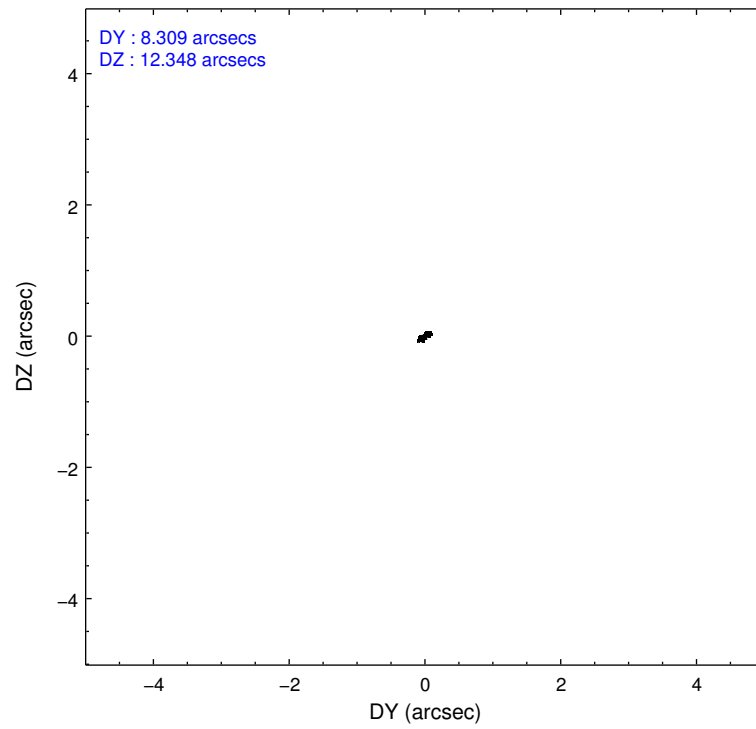
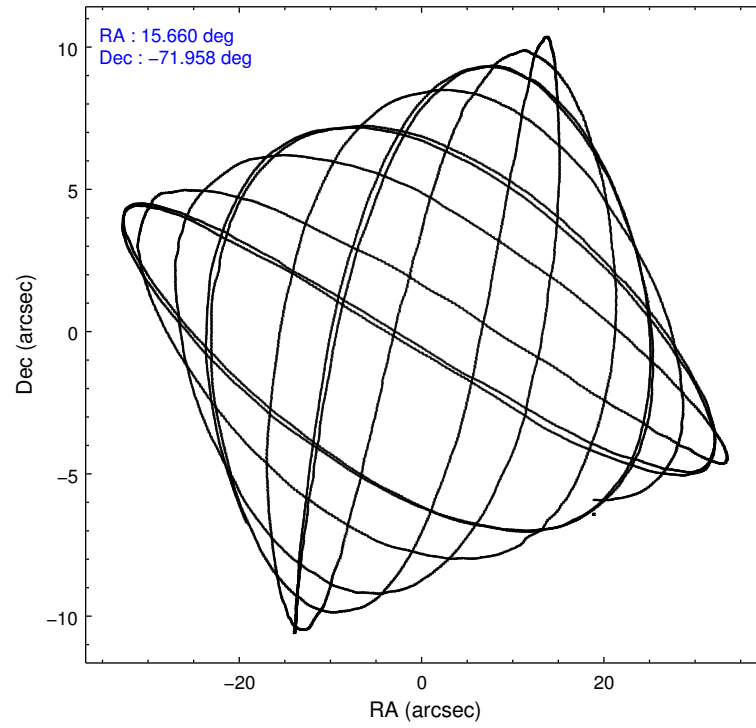
2.1.4 Events

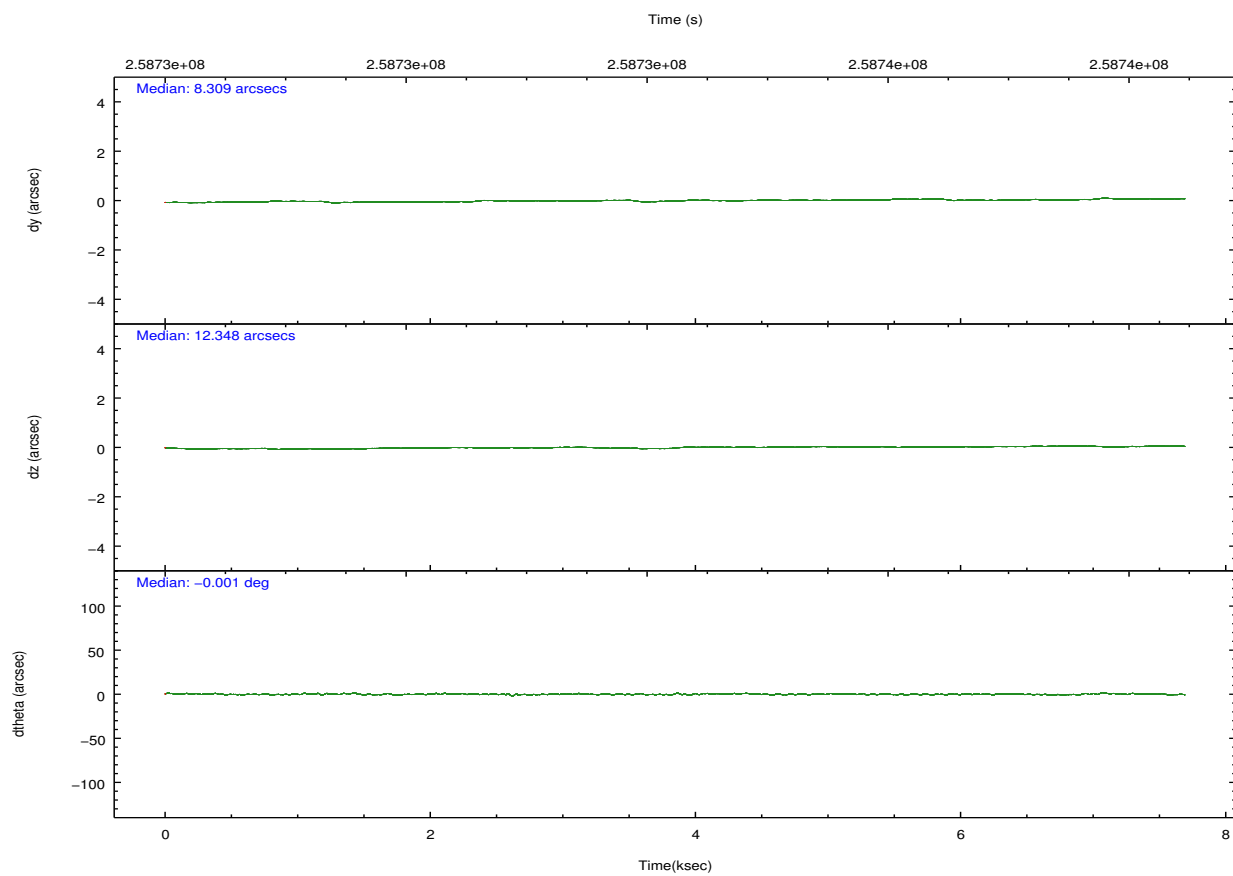
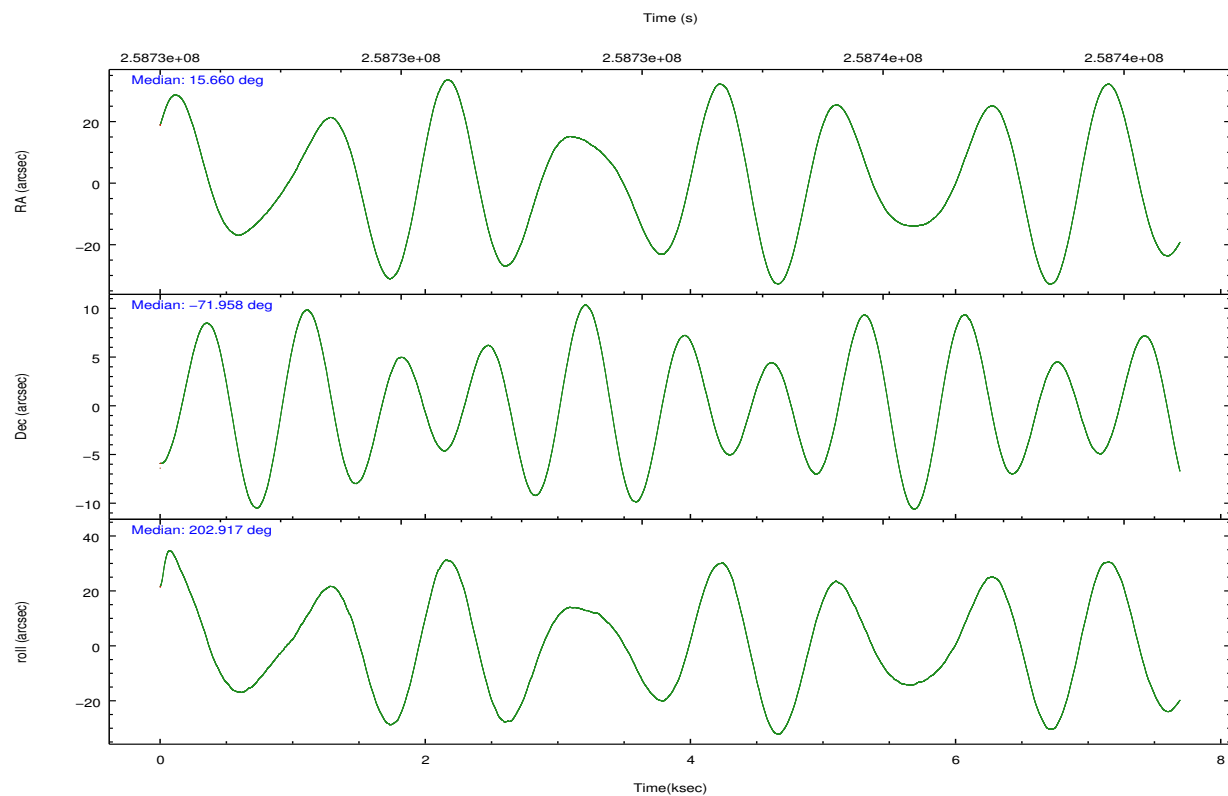
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46009	45445	51895	67398	51879	46556	grade 0 events	1842	1659	1947	18110	2234	2386
rejected events	41125	40603	47187	44405	46358	23187		4%	3%	3%	26%	4%	5%
rejected %	89%	89%	90%	65%	89%	49%	grade 1 events	27	20	31	182	25	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1135	1103	1017	2221	1100	5042
								2%	2%	1%	3%	2%	10%
							grade 3 events	520	576	479	851	567	2251
								1%	1%	0%	1%	1%	4%
							grade 4 events	504	542	505	890	563	2304
								1%	1%	0%	1%	1%	4%
							grade 5 events	1277	1588	1235	1668	1762	5099
								2%	3%	2%	2%	3%	10%
							grade 6 events	883	963	763	933	1061	11398
								1%	2%	1%	1%	2%	24%
							grade 7 events	39821	38994	45918	42543	44567	18034
								86%	85%	88%	63%	85%	38%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.712951	15.66006425261236	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.936242	-71.95812481243789	Alternating exposures requested	N	N
[deg] Pointing Roll	202.765402	202.9237960914516	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	247190464.184000	247190464.184000			
[s] Window stop time (MET)	260150465.184000	260150465.184000			
[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)	258730576.184000	258730199.70694			
Observation start date	2006-03-14T13:35:11	2006-03-14T13:29:59			
[s] Observation end time (MET)	258738076.184000	258738210.08231			
Observation end date	2006-03-14T15:40:11	2006-03-14T15:43:30			
Read mode	TIMED	TIMED			

2.3 Aspect



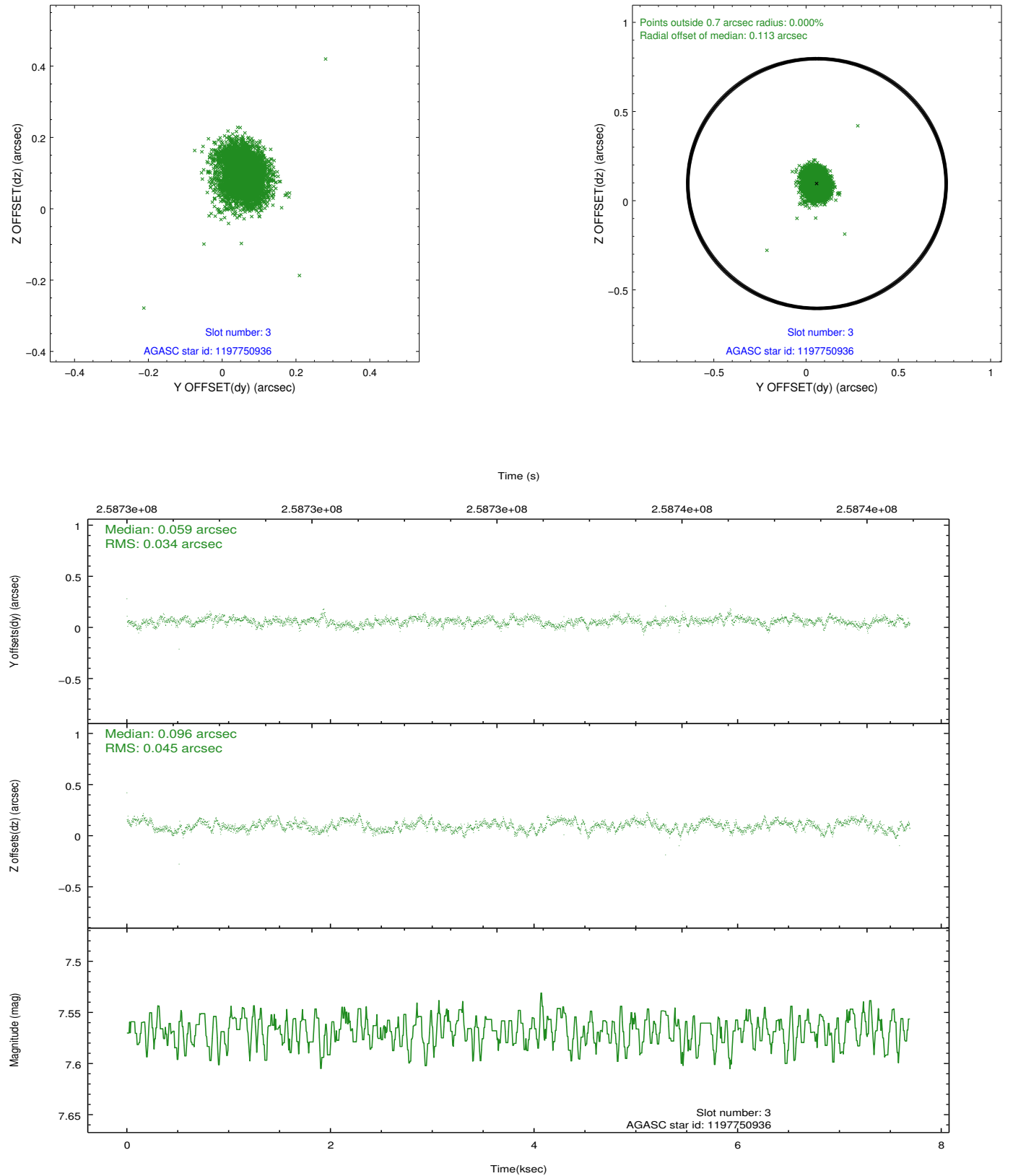


Slot Statistics

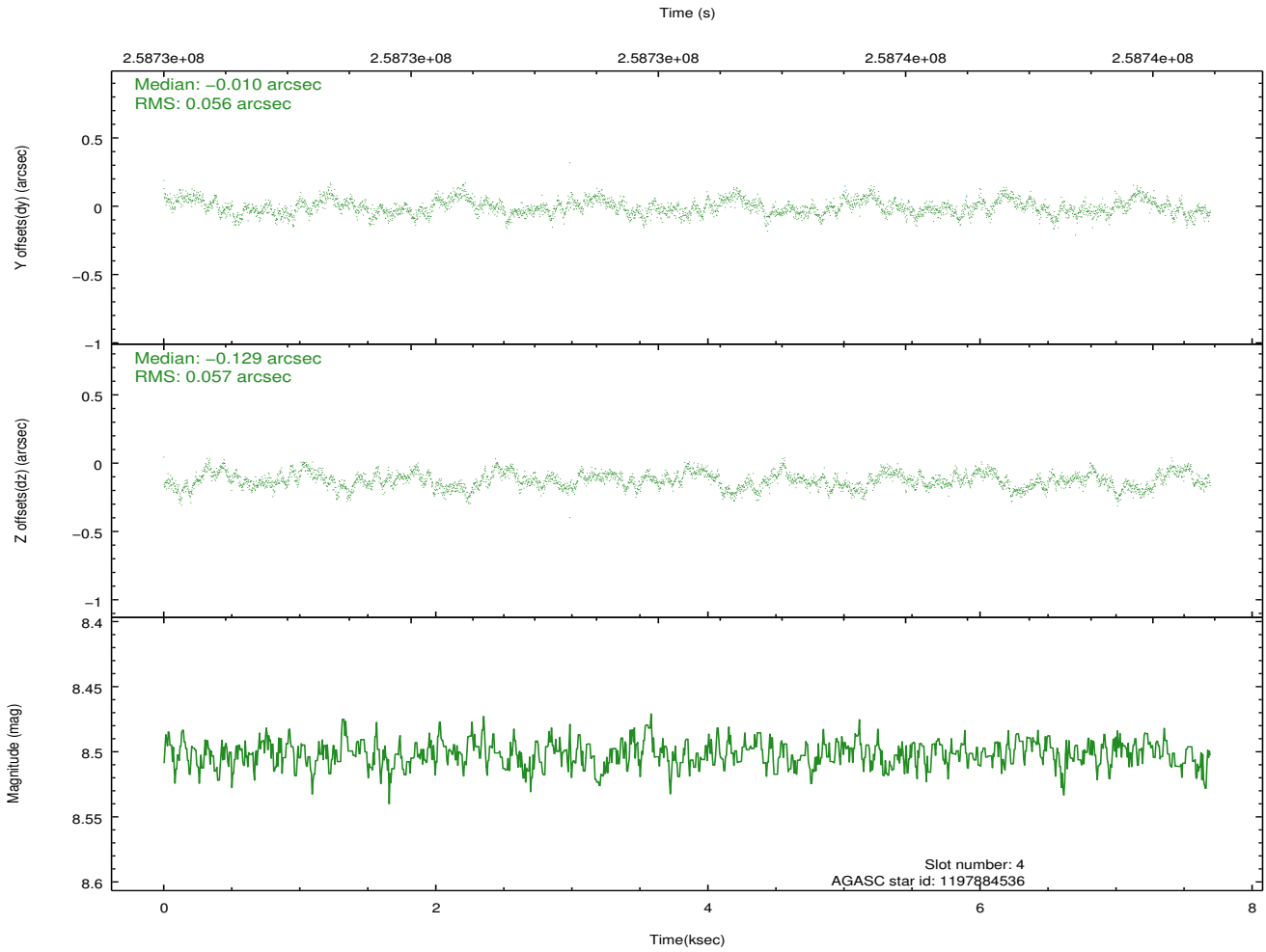
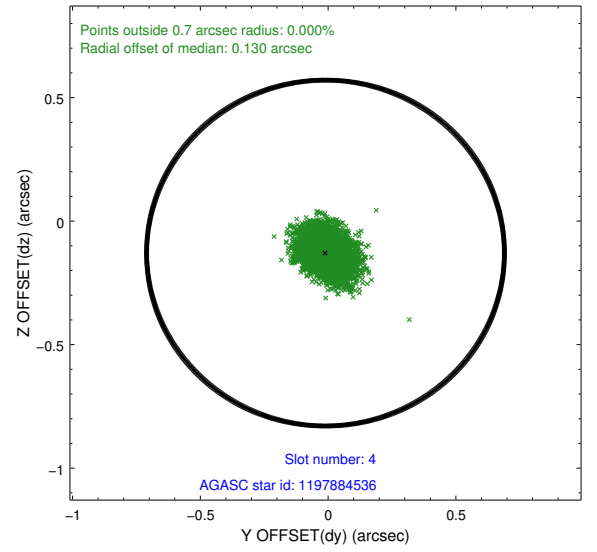
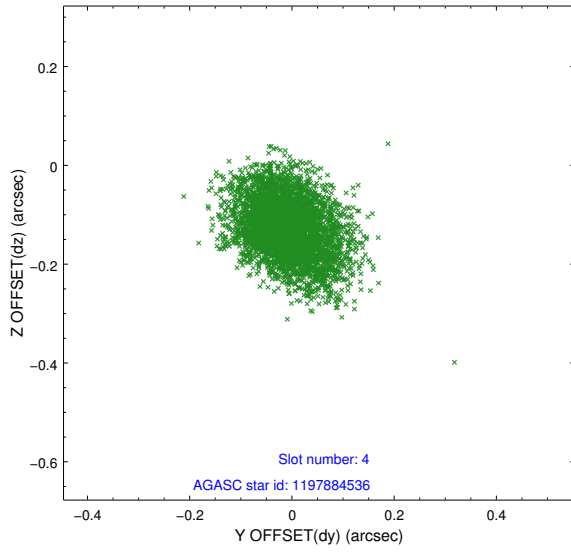
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1877	0.052	-0.005	0.007	0.011	0.000000	0.000000	931.37	-835.90
1	FID	ACIS-I-5	7.22	1877	-0.181	0.068	0.007	0.012	0.000000	0.000000	-1816.52	1061.35
2	FID	ACIS-I-6	7.24	1877	0.039	0.007	0.008	0.013	0.000000	0.000000	396.16	1706.58
3	GUIDE	1197750936	7.57	3753	0.059	0.096	0.059	0.095	15.387940	-71.549550	-196.19	-1425.33
4	GUIDE	1197884536	8.50	3752	-0.010	-0.129	0.086	0.136	17.160729	-71.835289	-1630.90	311.21
5	GUIDE	1197885104	9.35	3749	0.135	0.019	0.091	0.145	17.845067	-72.189368	-1795.51	1787.42
6	GUIDE	1197885328	7.24	3752	0.003	0.190	0.059	0.090	16.283090	-71.733943	-874.56	-418.92
7	GUIDE	1198189696	7.36	3751	-0.189	-0.183	0.067	0.108	15.223750	-72.697522	1544.01	2326.78

2.4 Star Slots

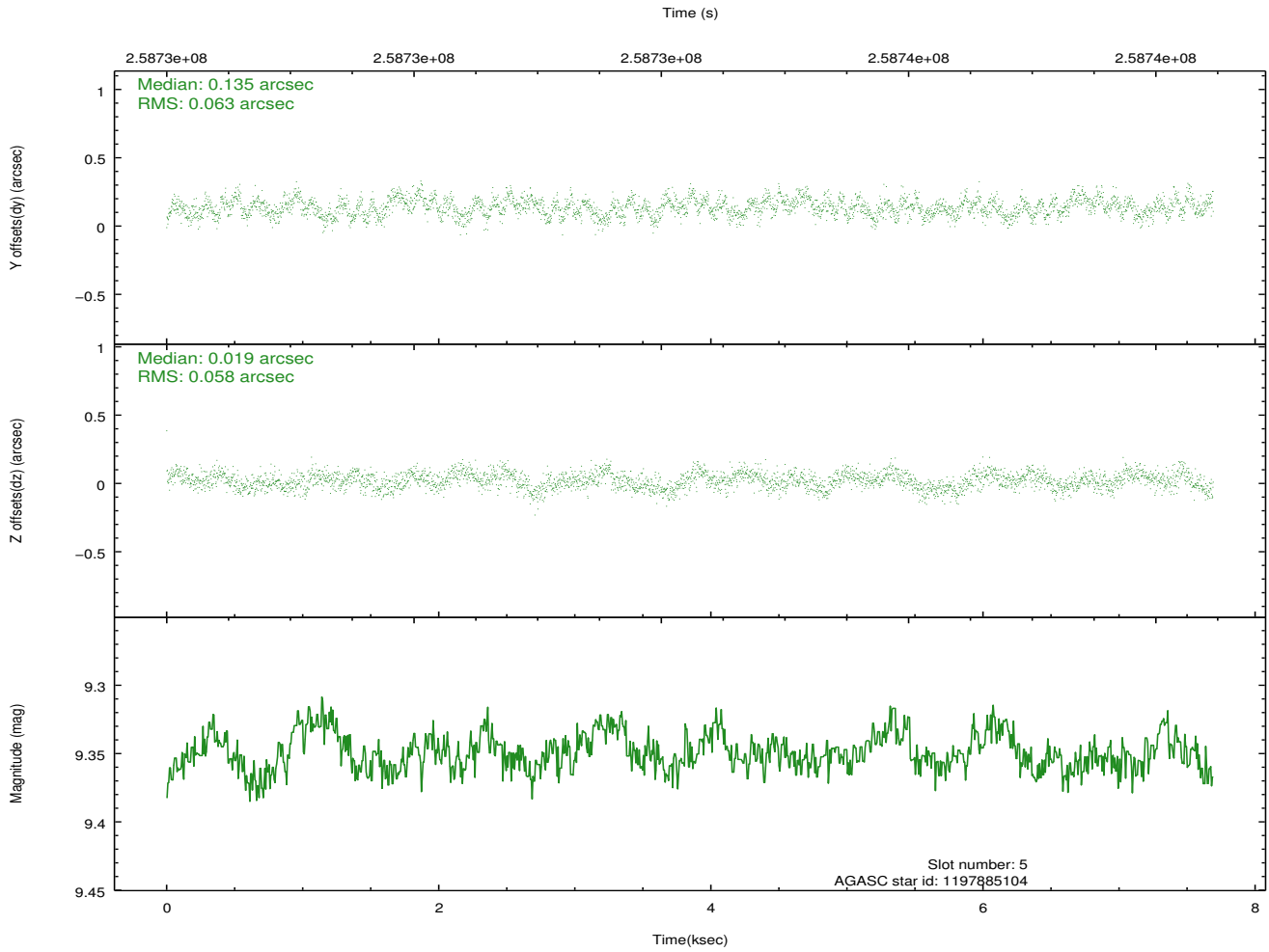
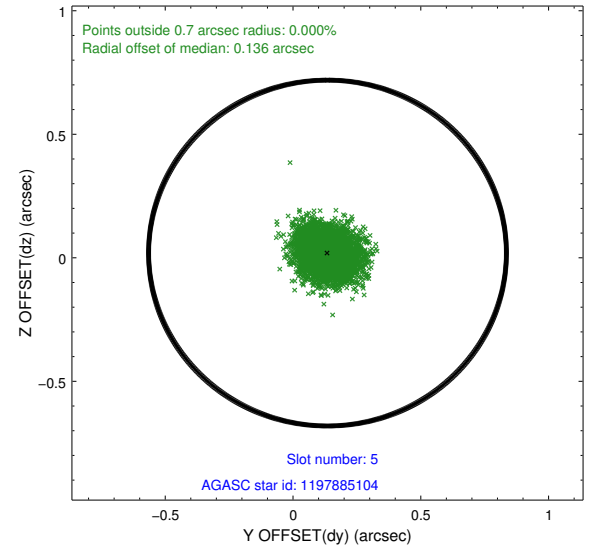
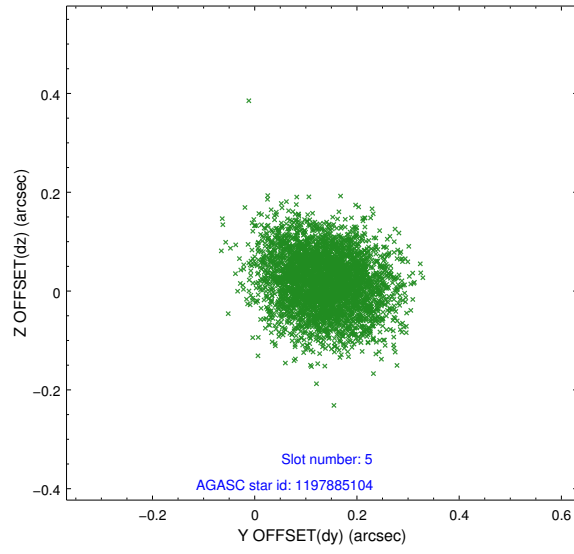
2.4.1 Slot 3



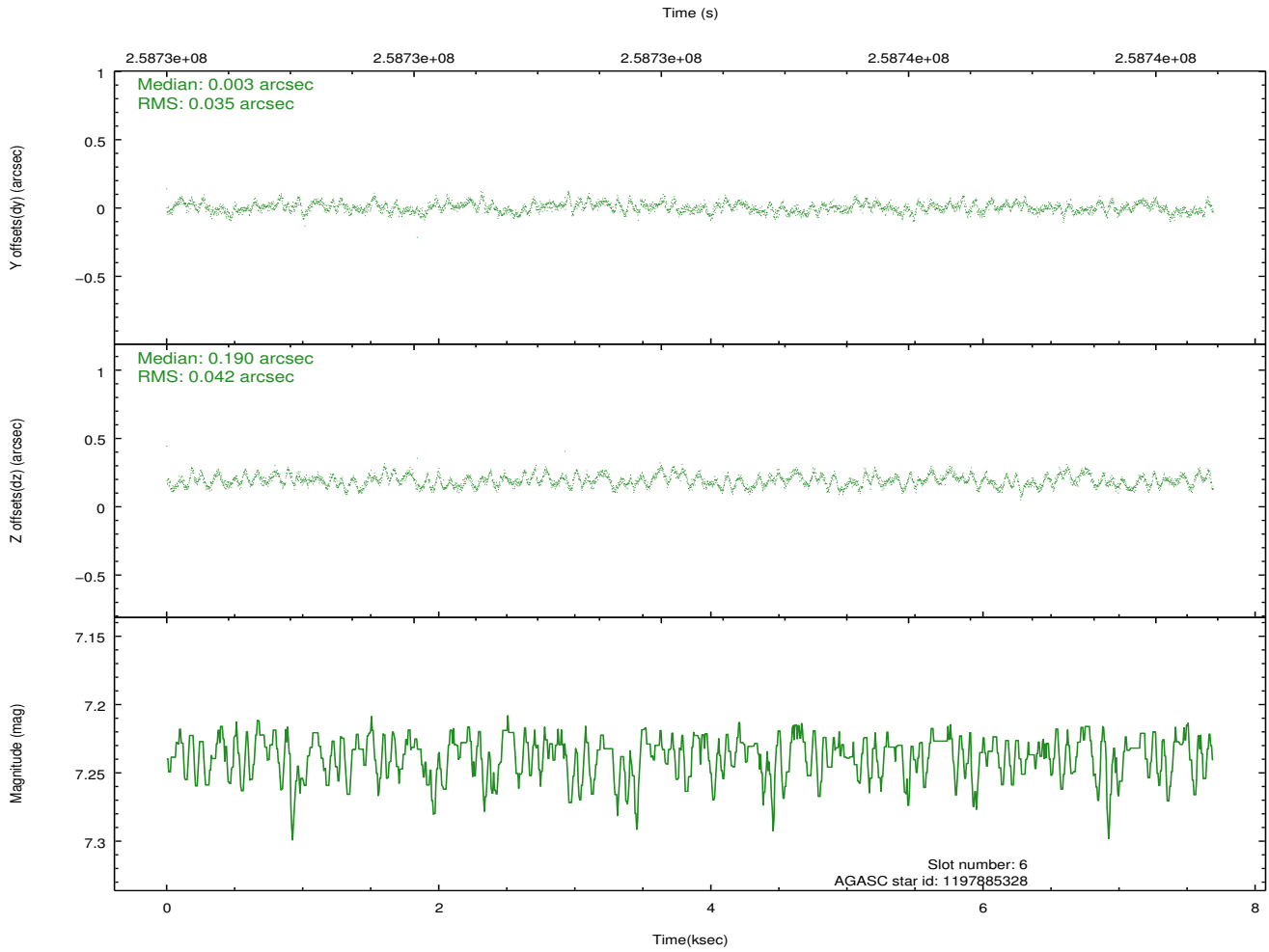
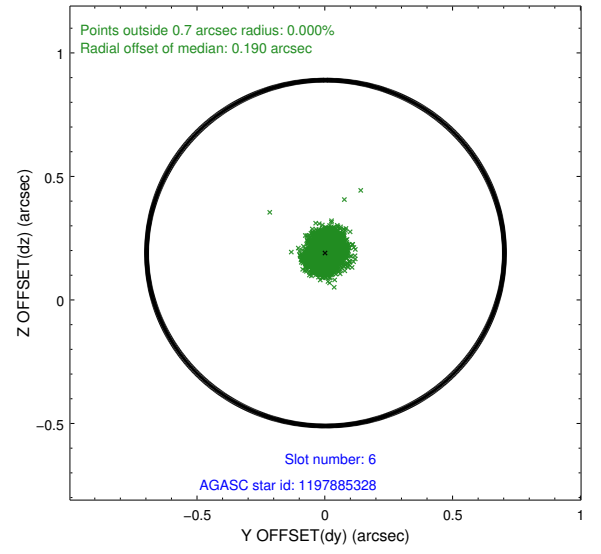
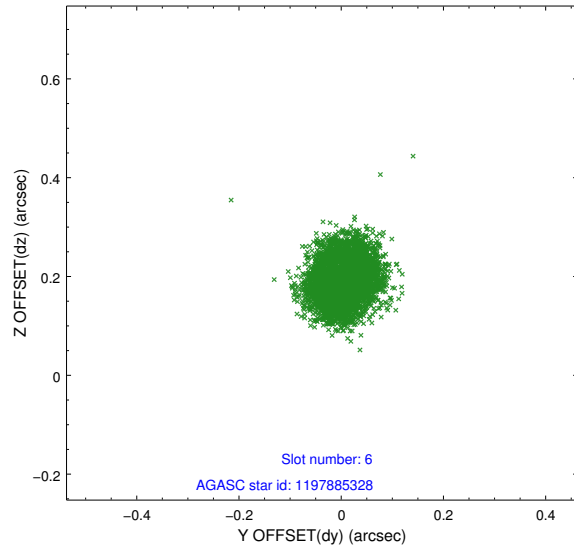
2.4.2 Slot 4



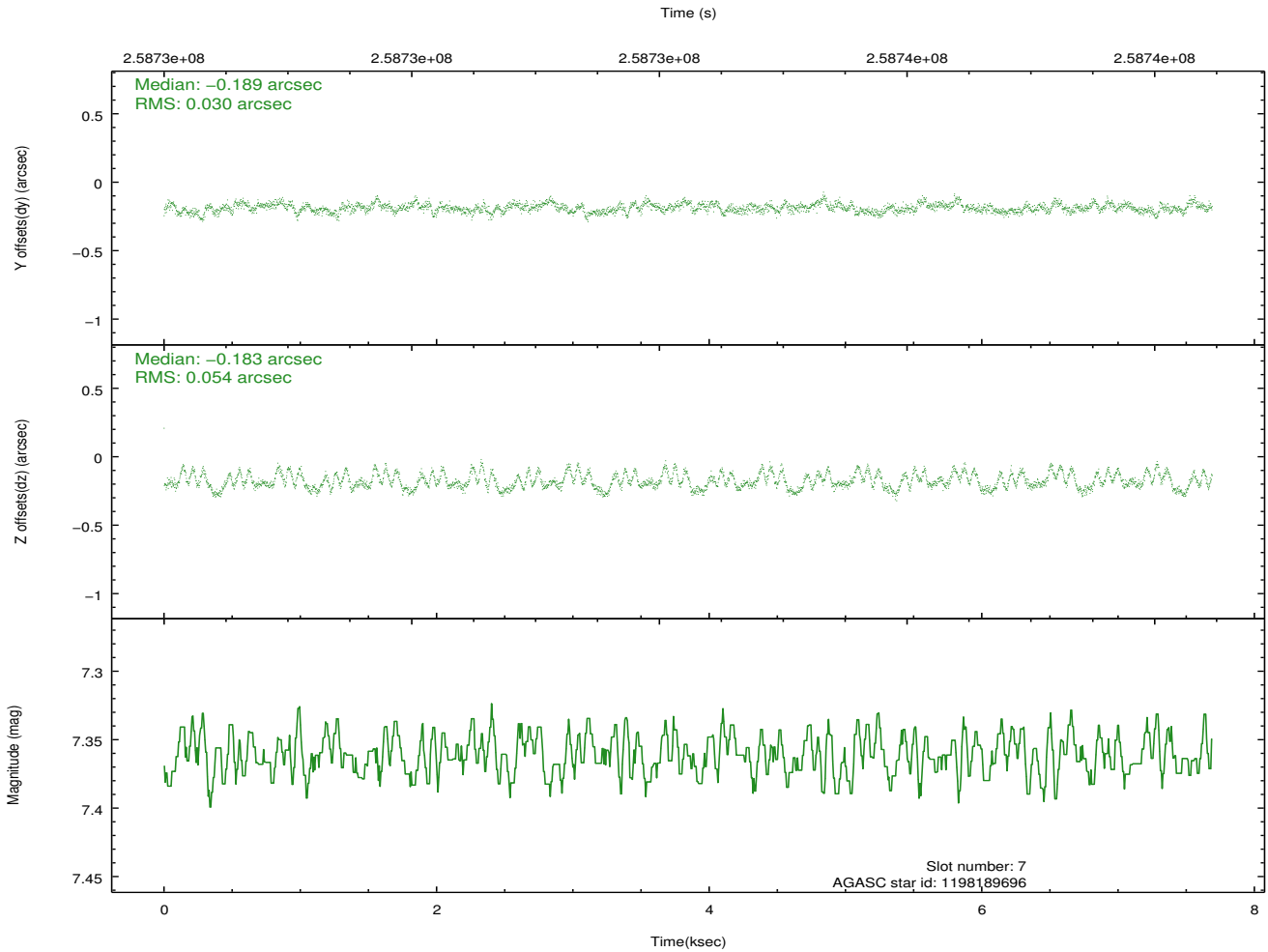
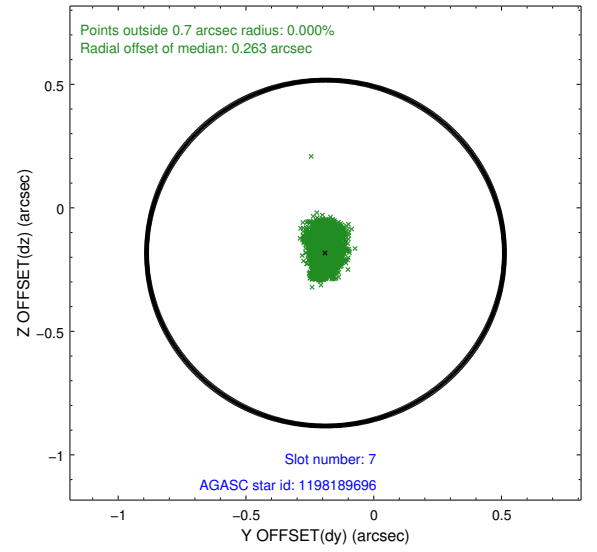
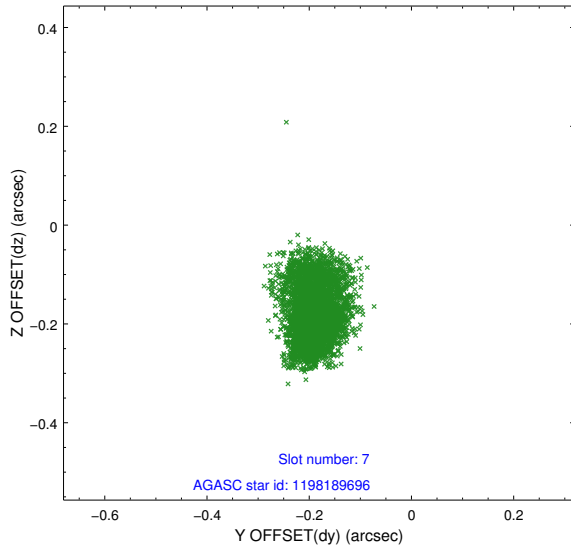
2.4.3 Slot 5



2.4.4 Slot 6

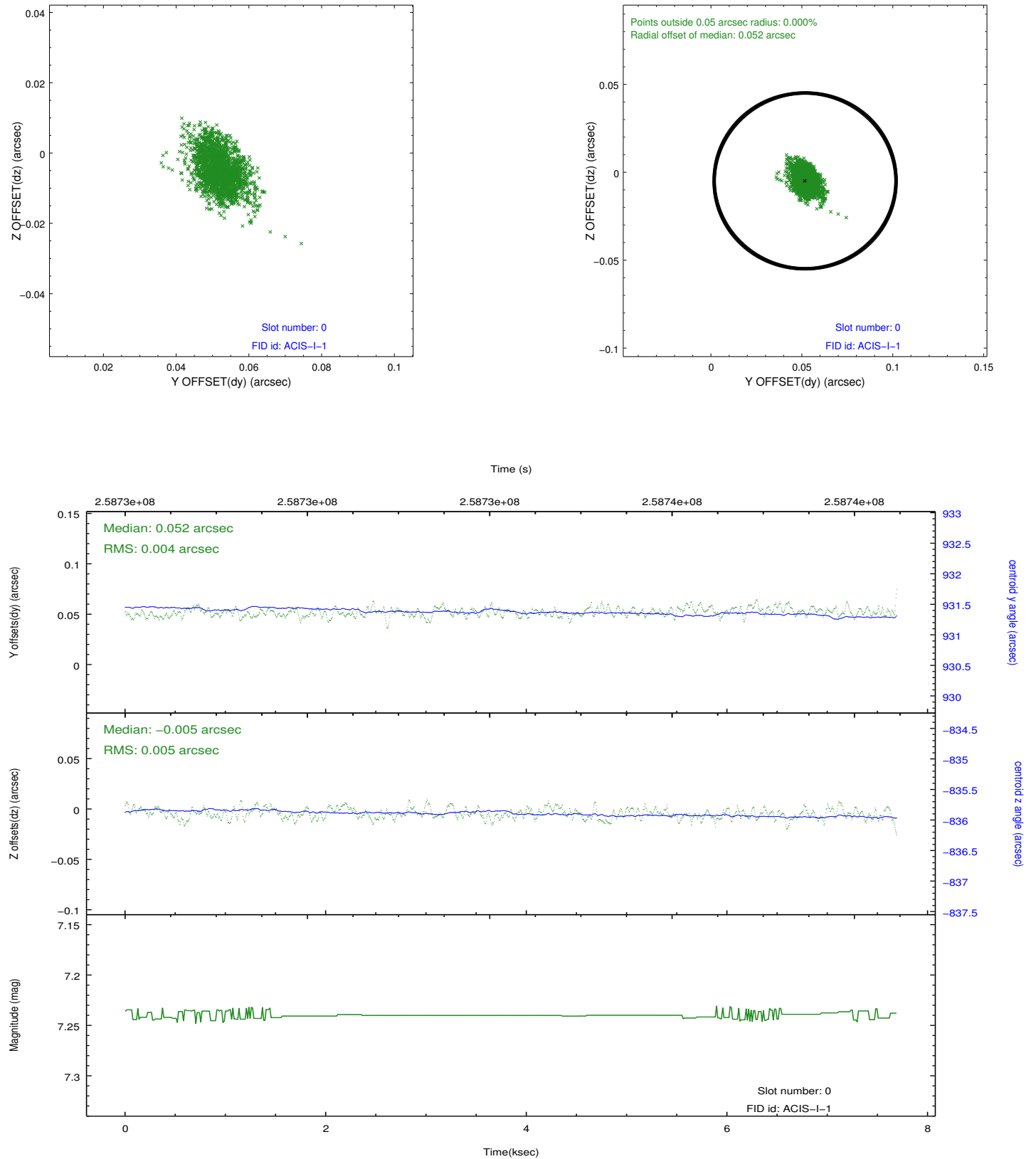


2.4.5 Slot 7

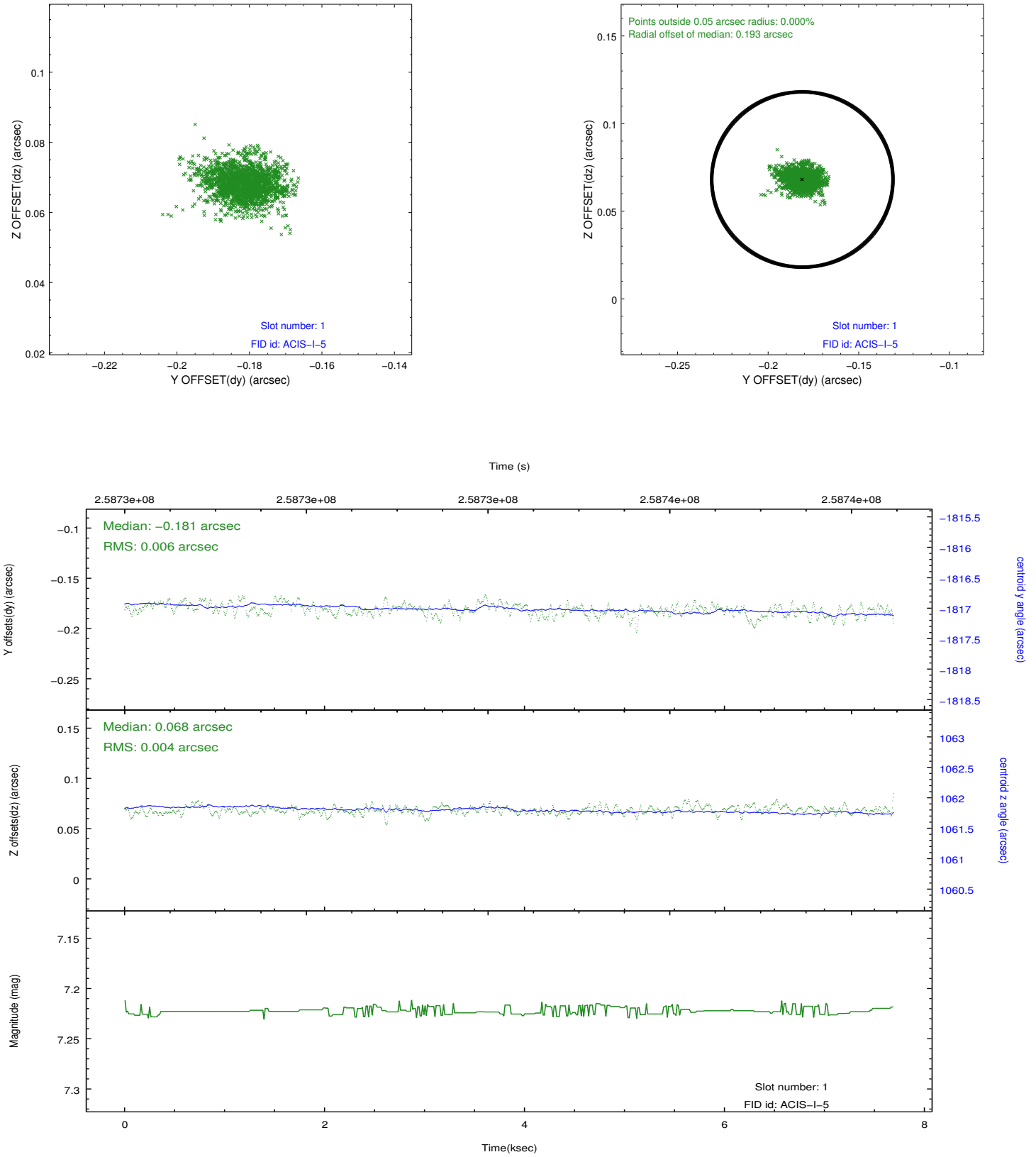


2.5 FID Slots

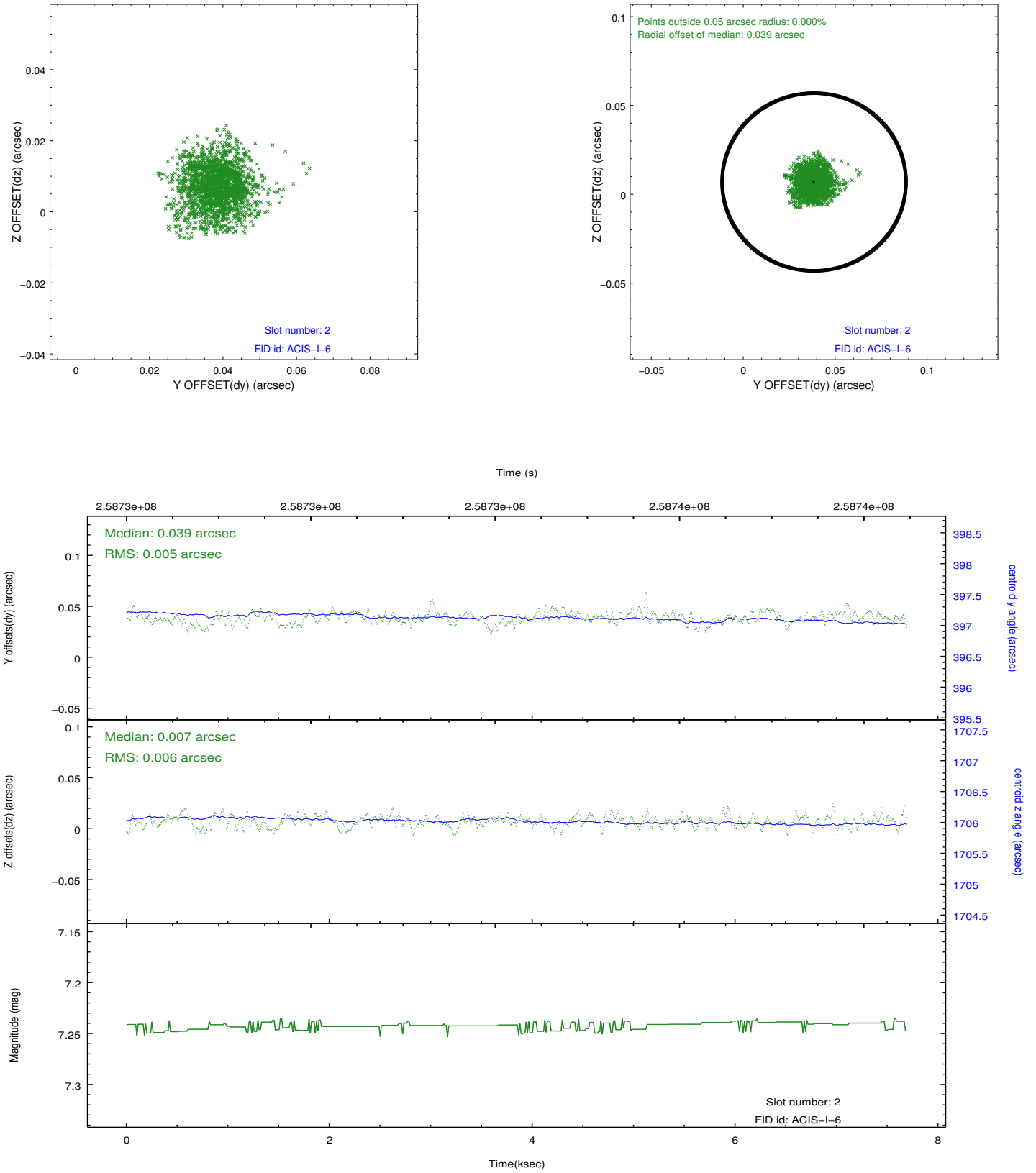
2.5.1 Slot 0



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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.254359

A.2 Comments

Window constraint met.