

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11996 - L2 Version 2
Chandra X-Ray Center

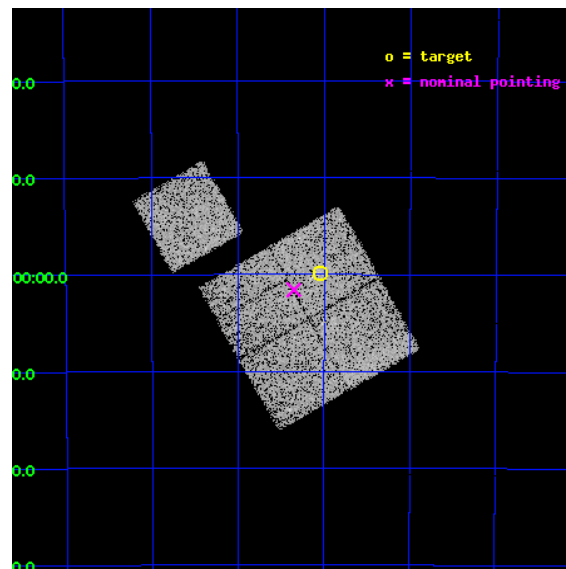
L2 Processing Date : Jun 19 2012

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1 Front

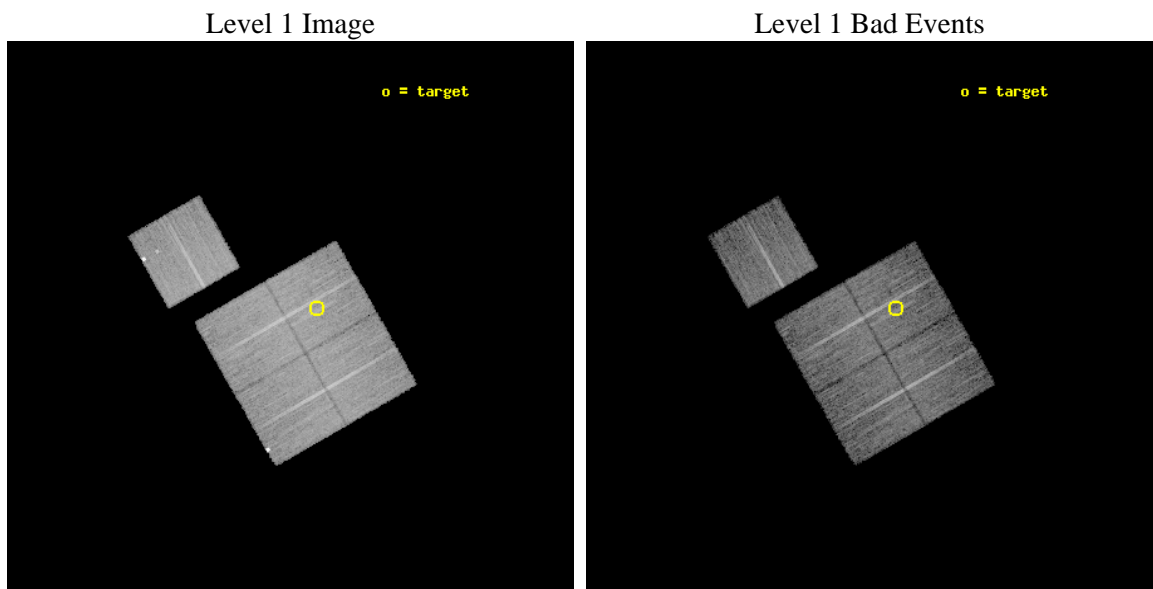
seq_num	800935	Sequence number
obs_id	11996	Observation id
title	Chandra Observations of SZ-selected Galaxy Clusters Detected by the South Pole Telescope	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SPT-CL0528-5300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.010833	Observer's specified target RA [deg]
dec_targ	-52.998	Observer's specified target Dec [deg]
ra_nom	82.087624664493	Nominal RA [deg]
dec_nom	-53.026652918011	Nominal Dec [deg]
roll_nom	330.25065316166	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10065.063368201	Sum of GTIs [s]
livetime	9933.5559055039	Livetime [s]
ontime0	10064.940248191	Sum of GTIs [s]
ontime1	10064.981288195	Sum of GTIs [s]
ontime2	10065.022328198	Sum of GTIs [s]
ontime3	10065.063368201	Sum of GTIs [s]
ontime6	10064.899208188	Sum of GTIs [s]
l2events	38773	Number of level 2 events



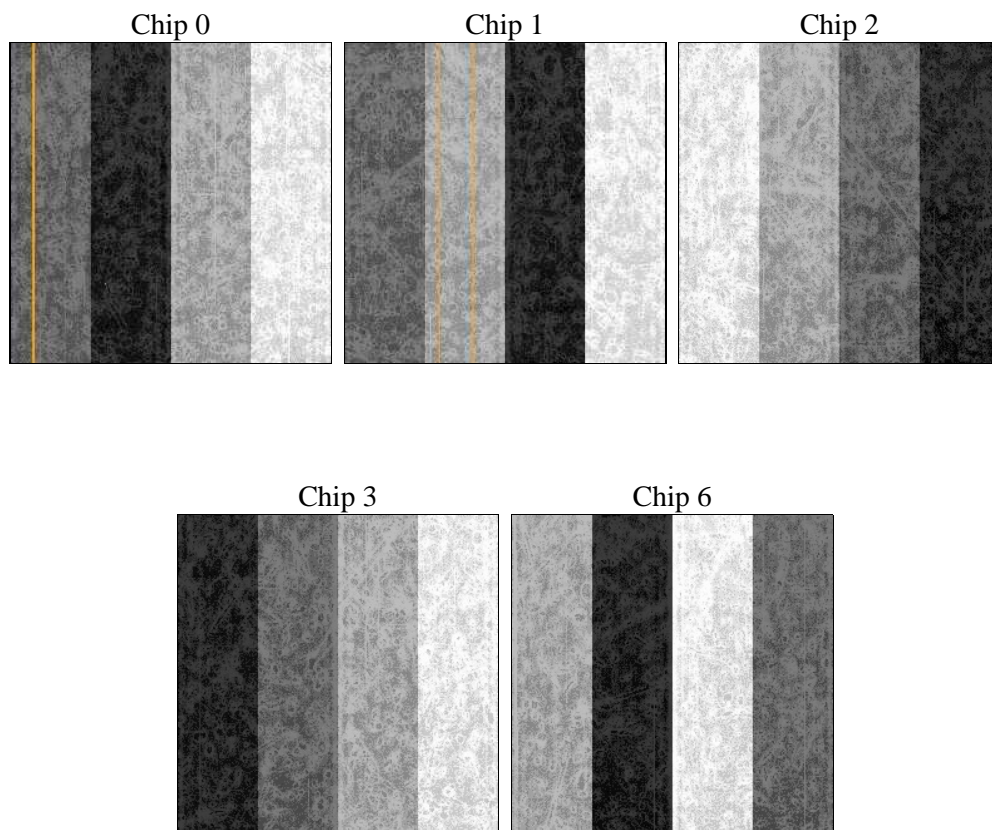
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.874000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10065.063368201	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	10064.940248191	Sum of GTIs [s]
date	2012-06-19T21:49:53	Date and time of file creation	ontime1	10064.981288195	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10065.022328198	Sum of GTIs [s]
			ontime3	10065.063368201	Sum of GTIs [s]
			ontime6	10064.899208188	Sum of GTIs [s]
			l1events	434285	Number of level 1 events

2.1.4 Events

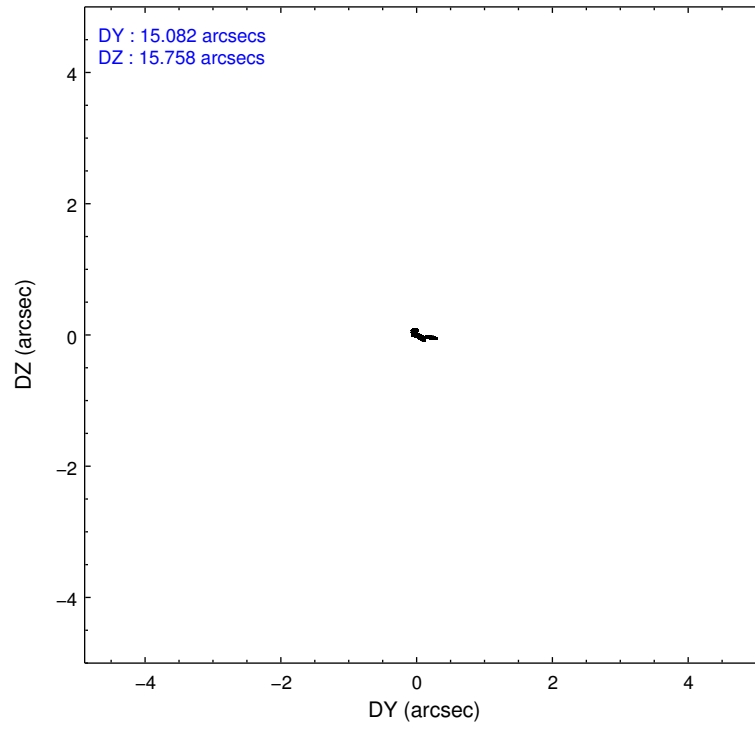
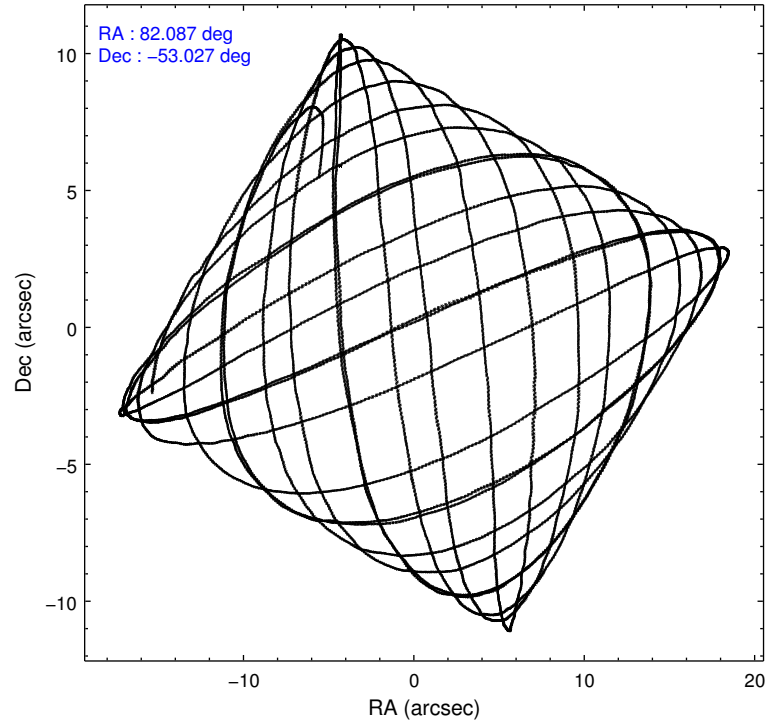
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	84739	82804	91132	86035	89575
rejected events	72435	72651	82226	77232	76861
rejected %	85%	87%	90%	89%	85%

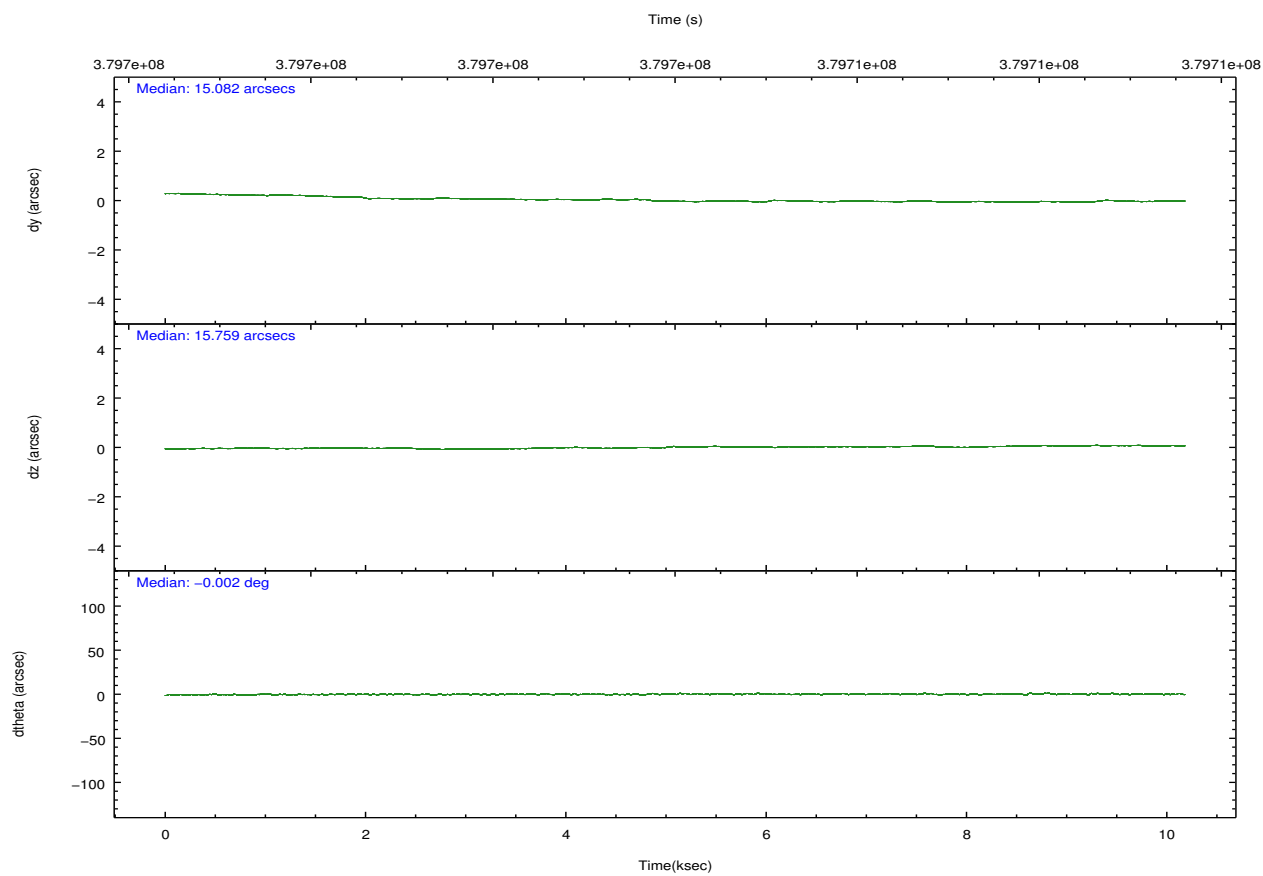
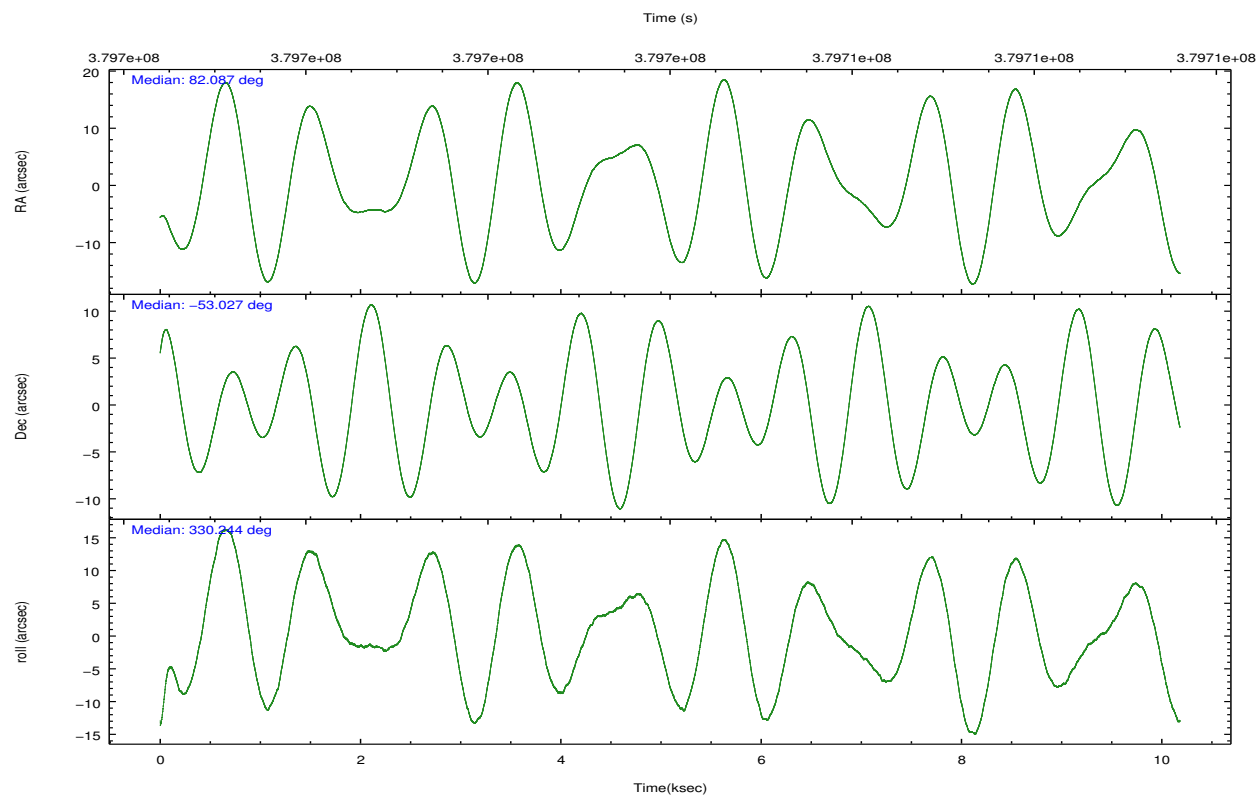
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6251	3672	3272	3219	6551
	7%	4%	3%	3%	7%
grade 1 events	52	51	45	51	46
	0%	0%	0%	0%	0%
grade 2 events	2239	2406	2129	1914	2118
	2%	2%	2%	2%	2%
grade 3 events	1026	1065	933	980	979
	1%	1%	1%	1%	1%
grade 4 events	995	998	955	925	1007
	1%	1%	1%	1%	1%
grade 5 events	3323	3504	3251	3658	3557
	3%	4%	3%	4%	3%
grade 6 events	1799	2019	1623	1767	2067
	2%	2%	1%	2%	2%
grade 7 events	69054	69089	78924	73521	73250
	81%	83%	86%	85%	81%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	82.041942	82.08762466449268	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.026902	-53.0266529180107	Alternating exposures requested	N	N
[deg] Pointing Roll	330.005475	330.250653161655	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	379699092.184000	379698152.58761			
Observation start date	2010-01-12T15:57:06	2010-01-12T15:42:32			
[s] Observation end time (MET)	379709093.184000	379709328.67568			
Observation end date	2010-01-12T18:43:47	2010-01-12T18:48:48			
Read mode	TIMED	TIMED			

2.3 Aspect



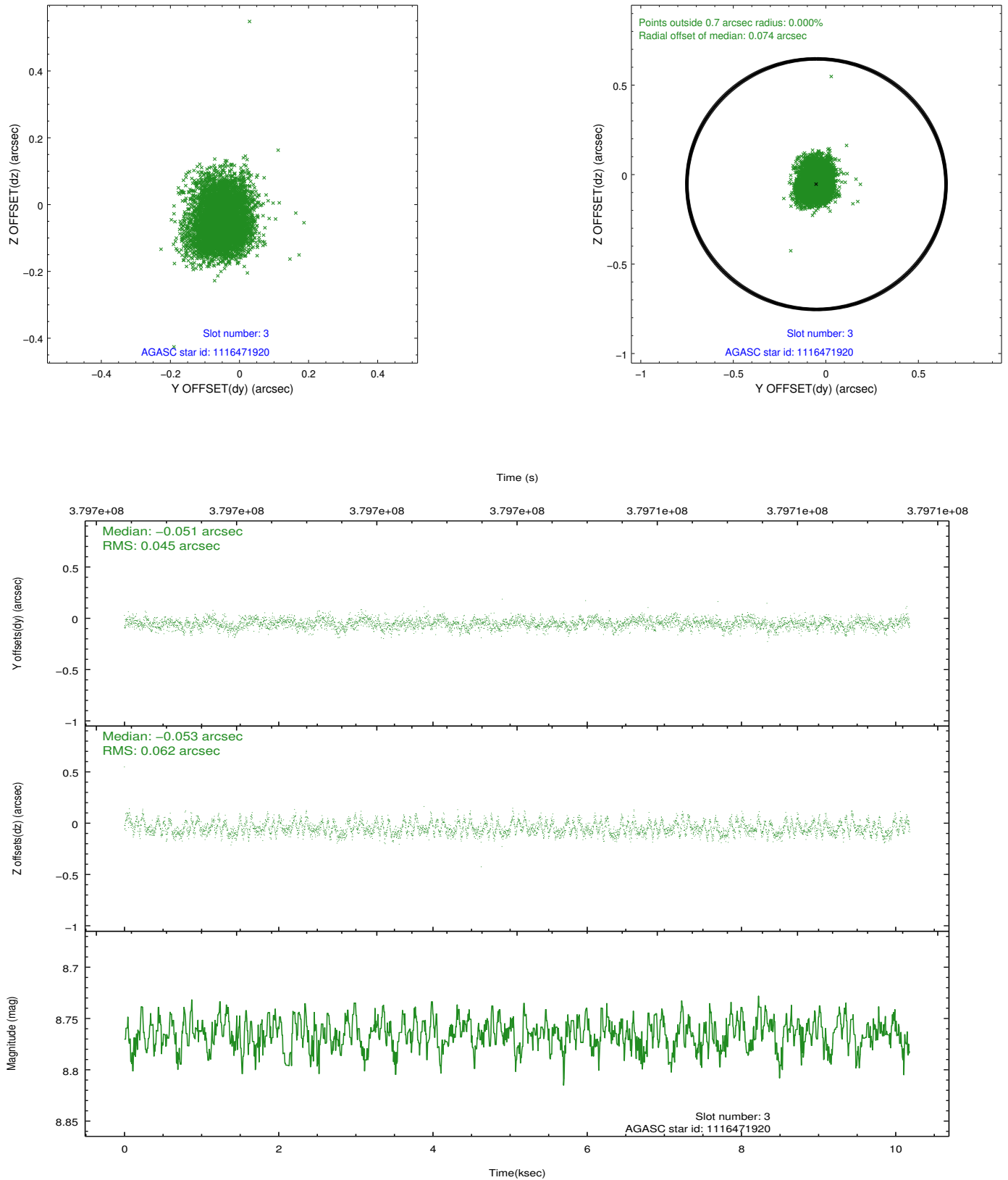


Slot Statistics

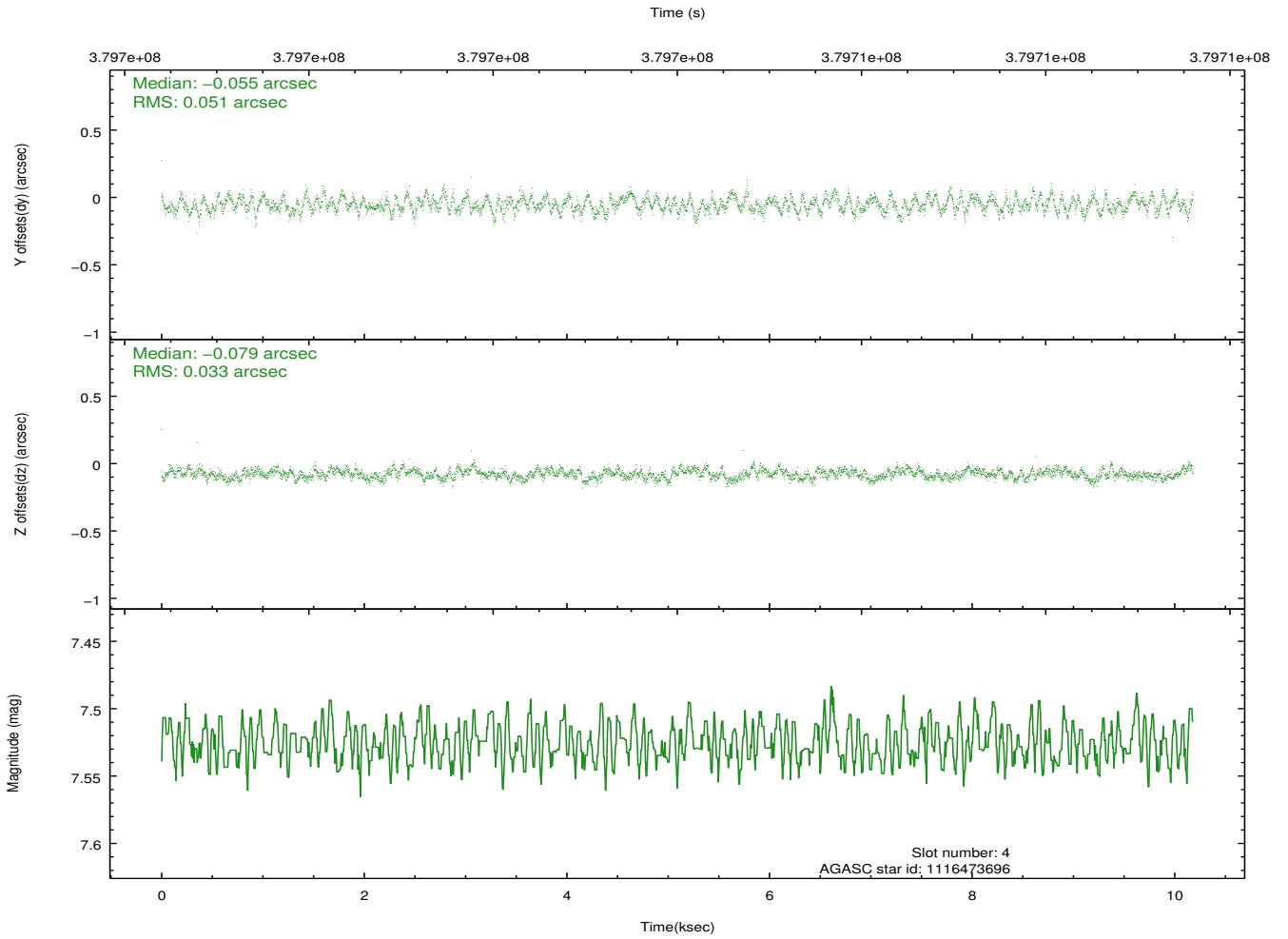
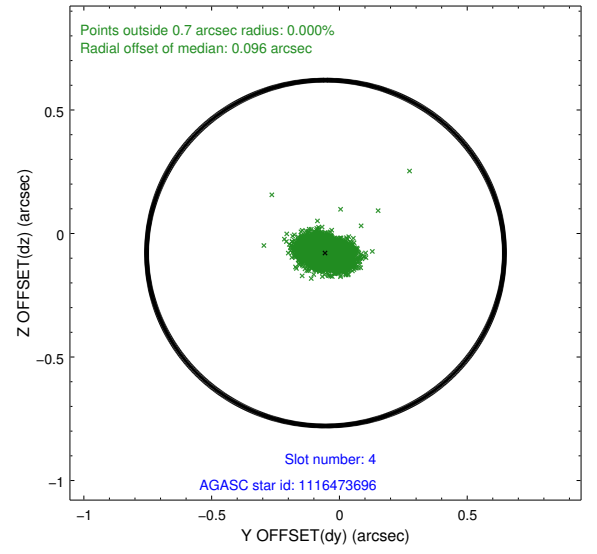
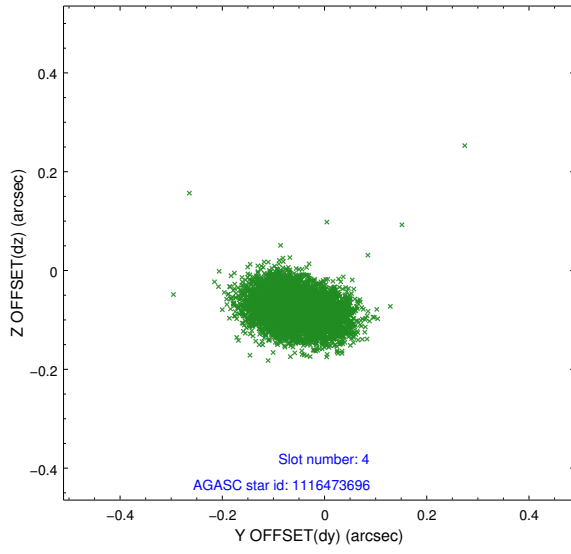
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	2484	0.135	-0.096	0.006	0.011	0.000000	0.000000	924.33	-998.55
1	FID	ACIS-I-5	7.04	2484	-0.293	0.109	0.006	0.010	0.000000	0.000000	-1823.93	898.81
2	FID	ACIS-I-6	7.06	2484	0.067	0.058	0.006	0.010	0.000000	0.000000	389.23	1543.86
3	GUIDE	1116471920	8.76	4962	-0.051	-0.053	0.081	0.132	82.785416	-52.710471	839.25	1790.34
4	GUIDE	1116473696	7.53	4967	-0.055	-0.079	0.065	0.104	81.306955	-52.676900	-2014.70	282.57
5	GUIDE	1116477608	8.19	4967	0.179	-0.132	0.064	0.100	82.436900	-53.265653	1167.74	-320.95
6	GUIDE	1116479144	8.03	4964	-0.002	-0.066	0.082	0.126	81.040684	-53.428803	-1128.22	-2339.67
7	GUIDE	1116480536	8.48	4963	-0.070	0.322	0.078	0.125	81.460168	-53.582672	-73.74	-2358.59

2.4 Star Slots

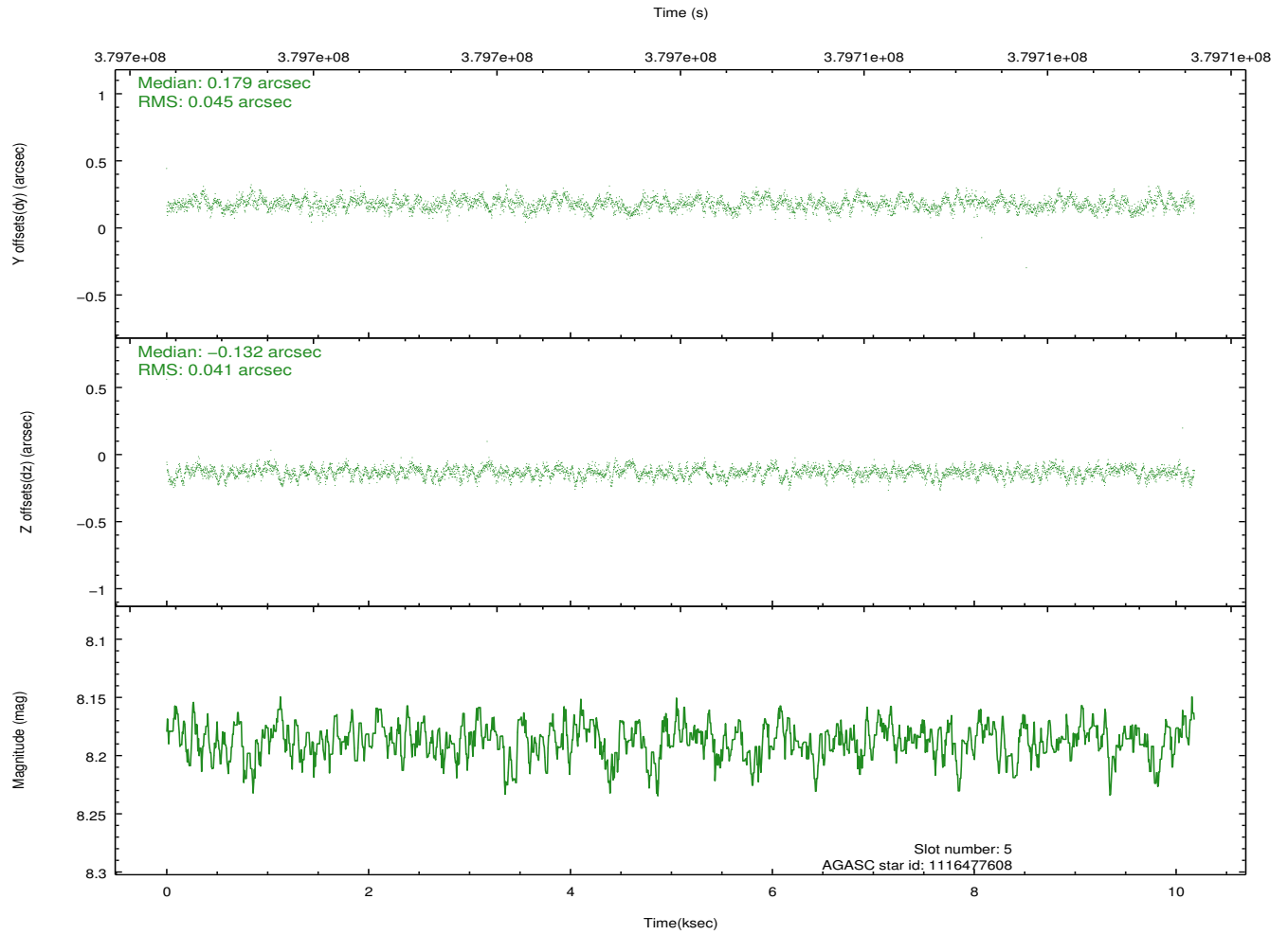
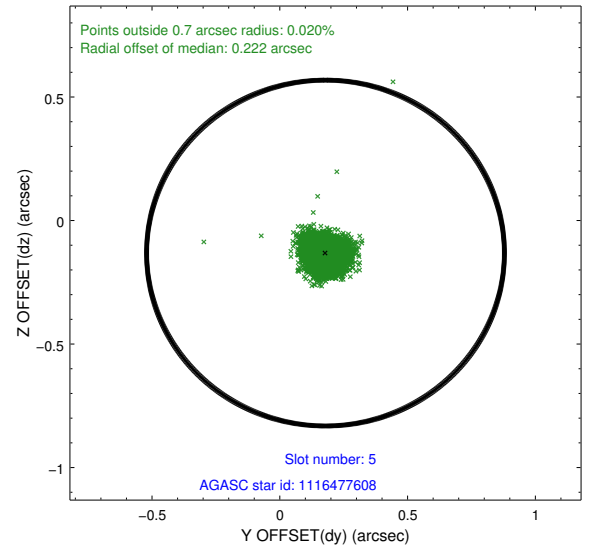
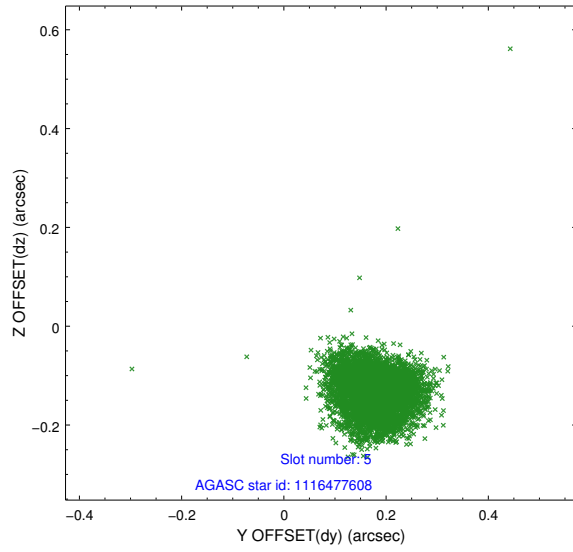
2.4.1 Slot 3



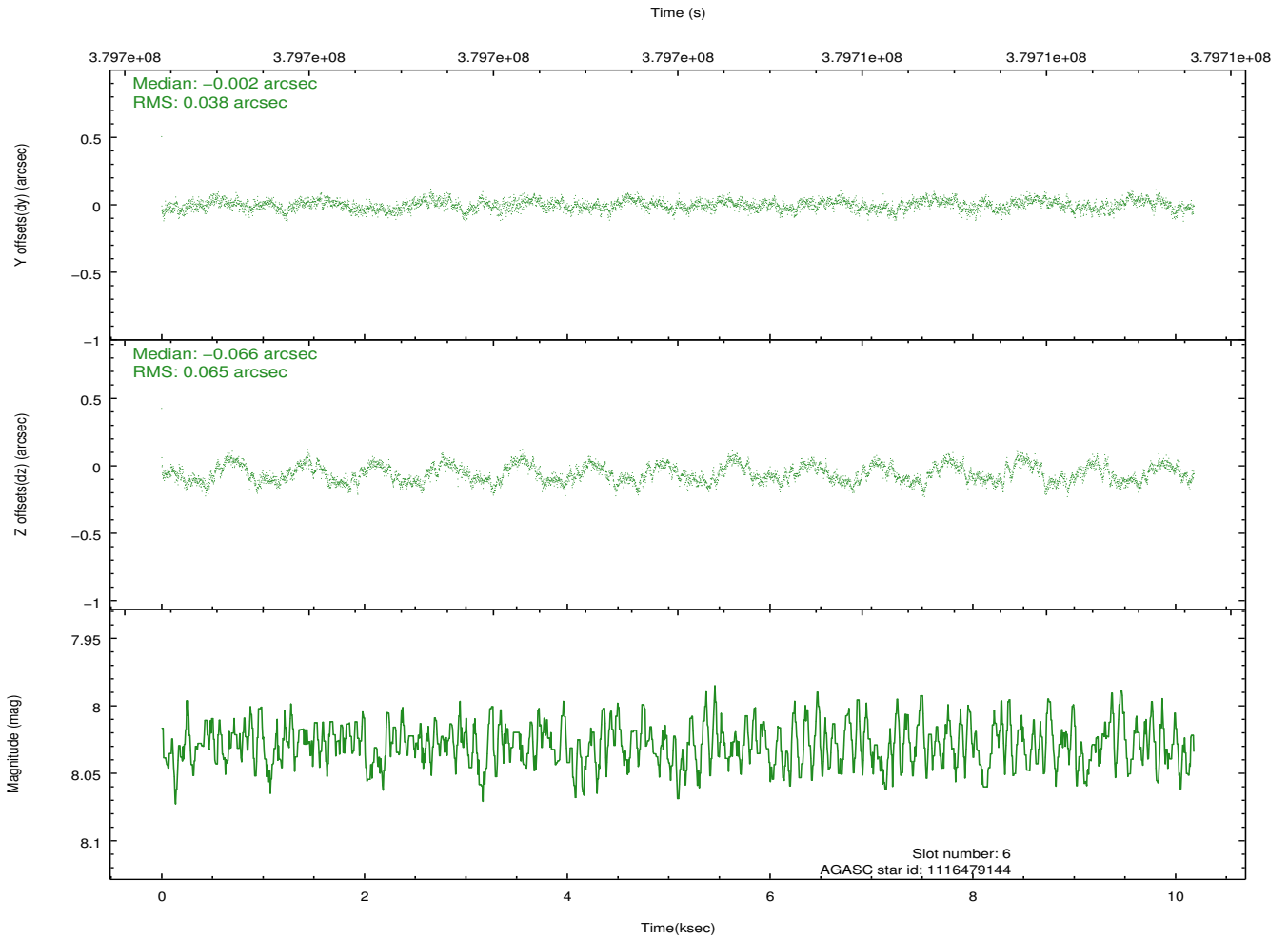
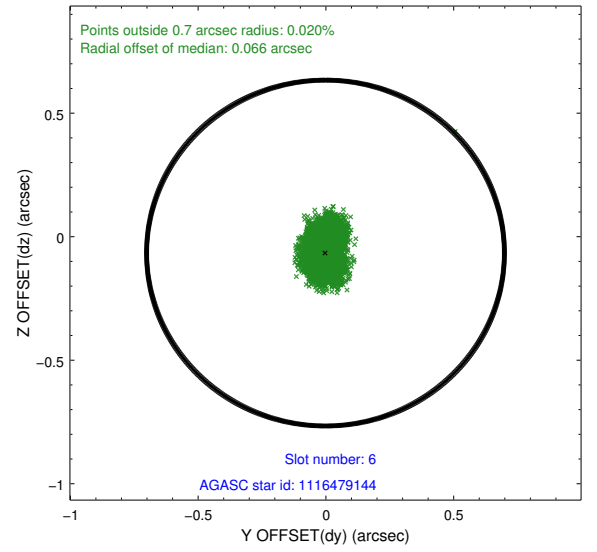
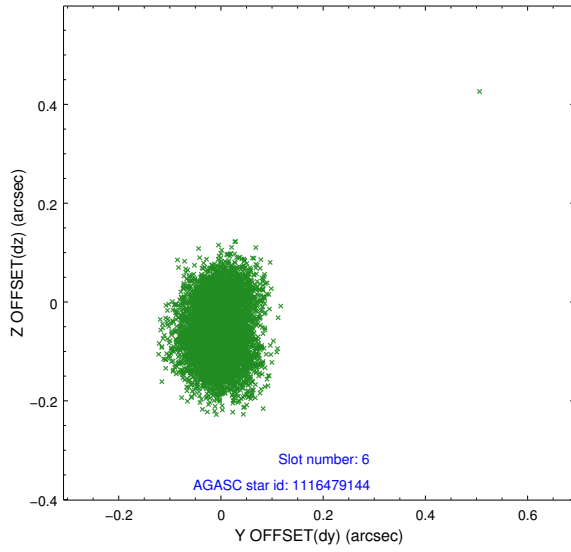
2.4.2 Slot 4



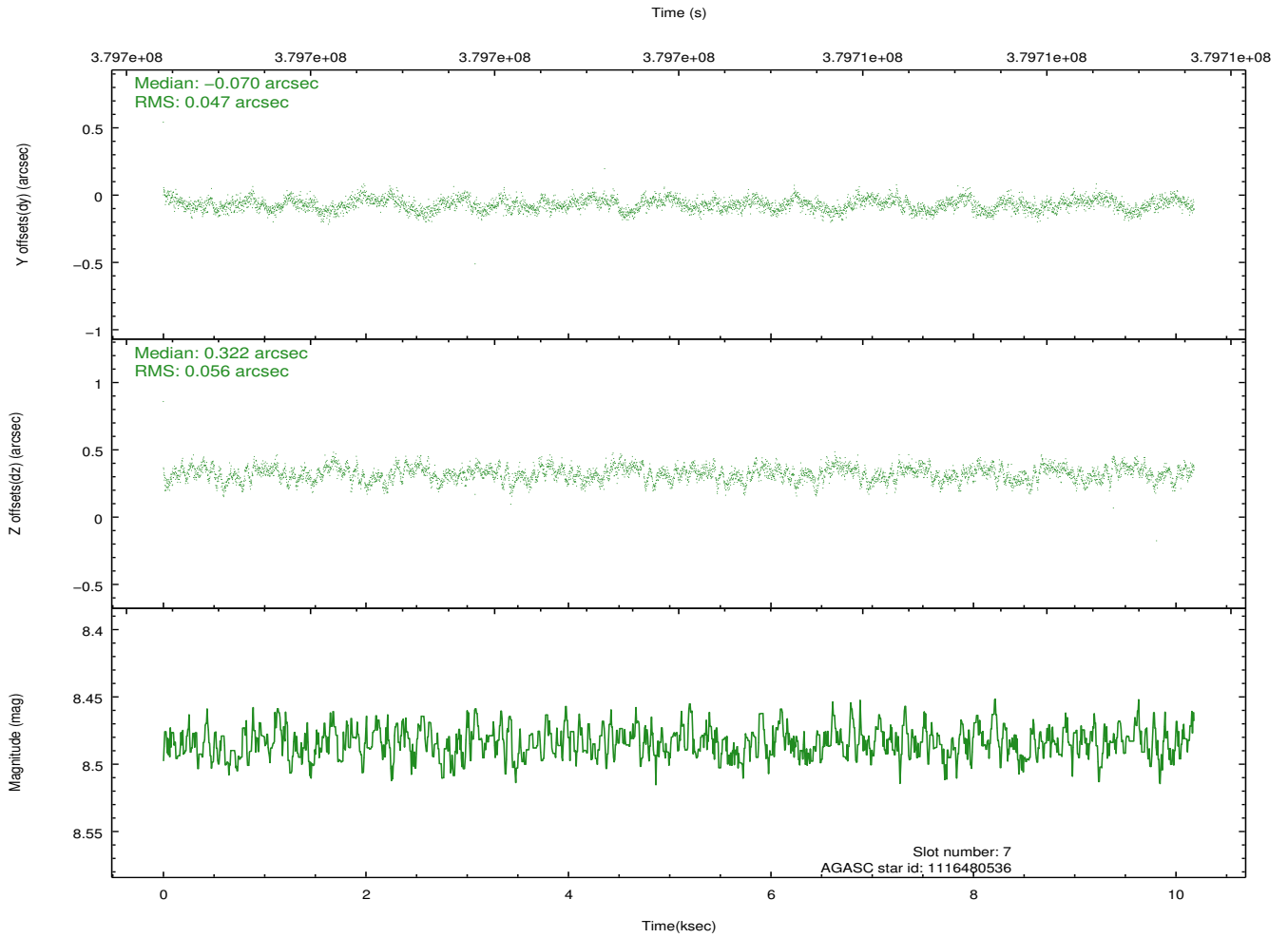
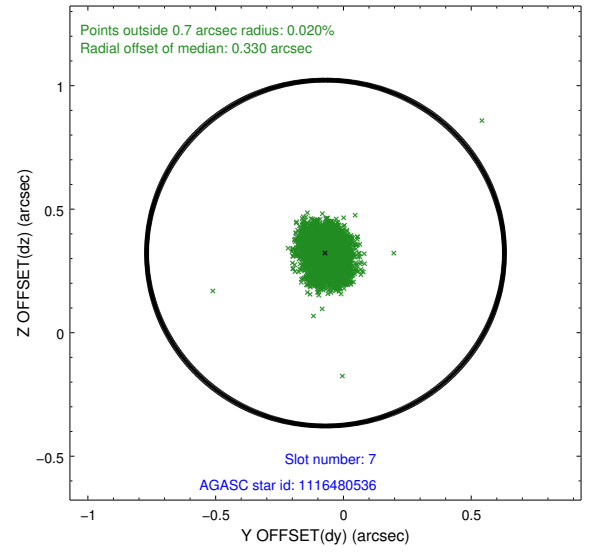
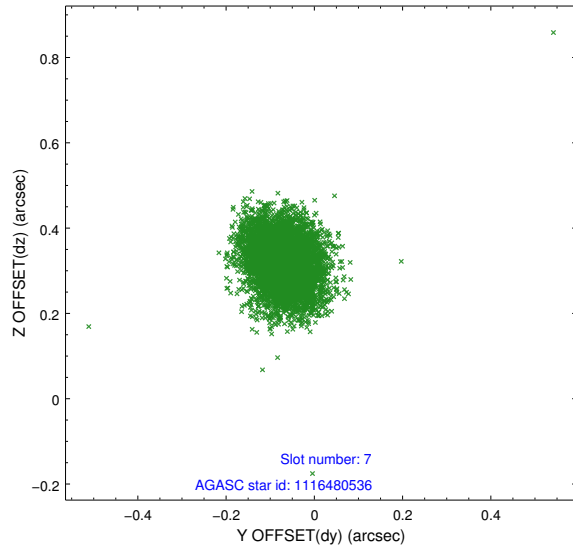
2.4.3 Slot 5



2.4.4 Slot 6

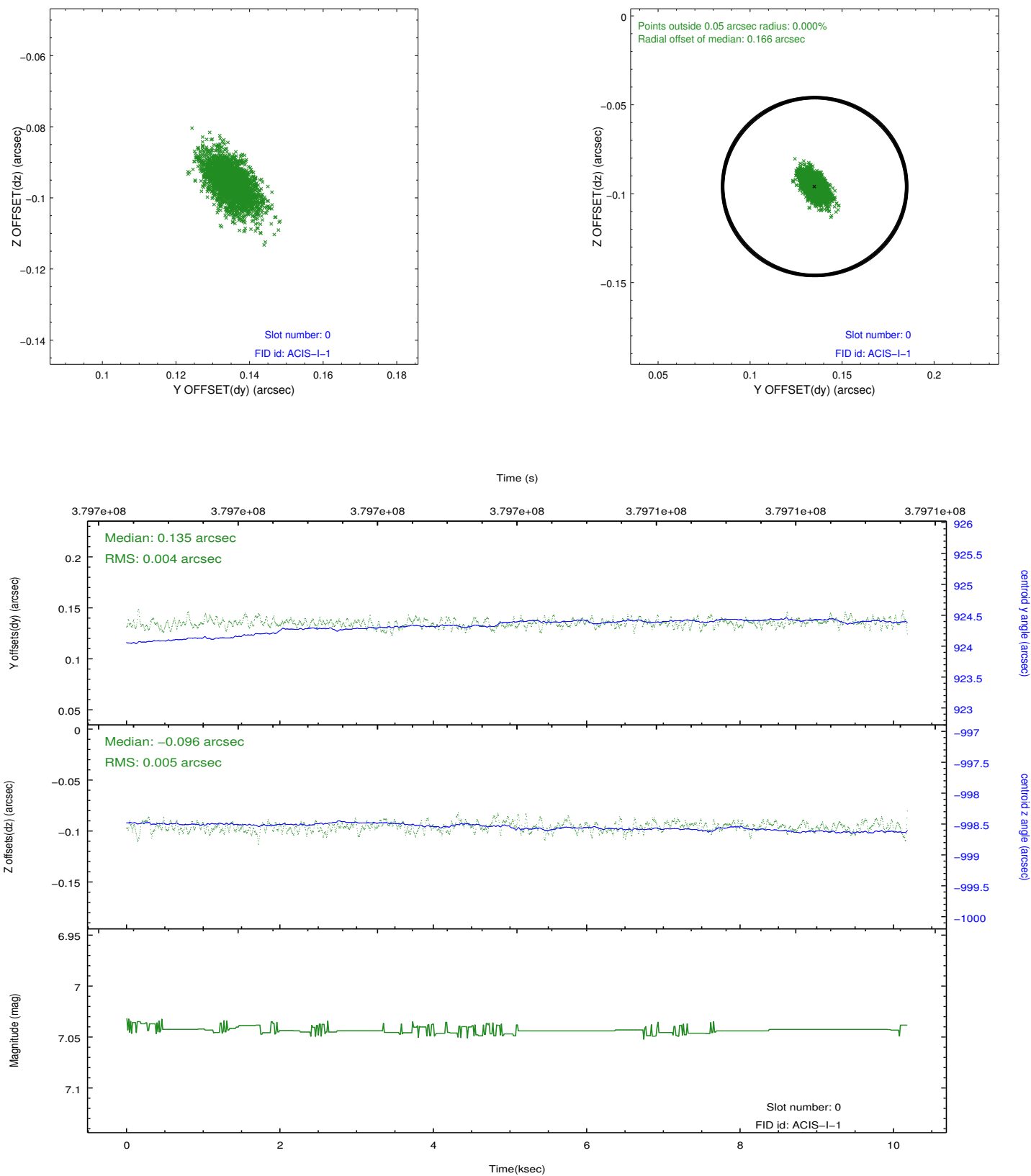


2.4.5 Slot 7

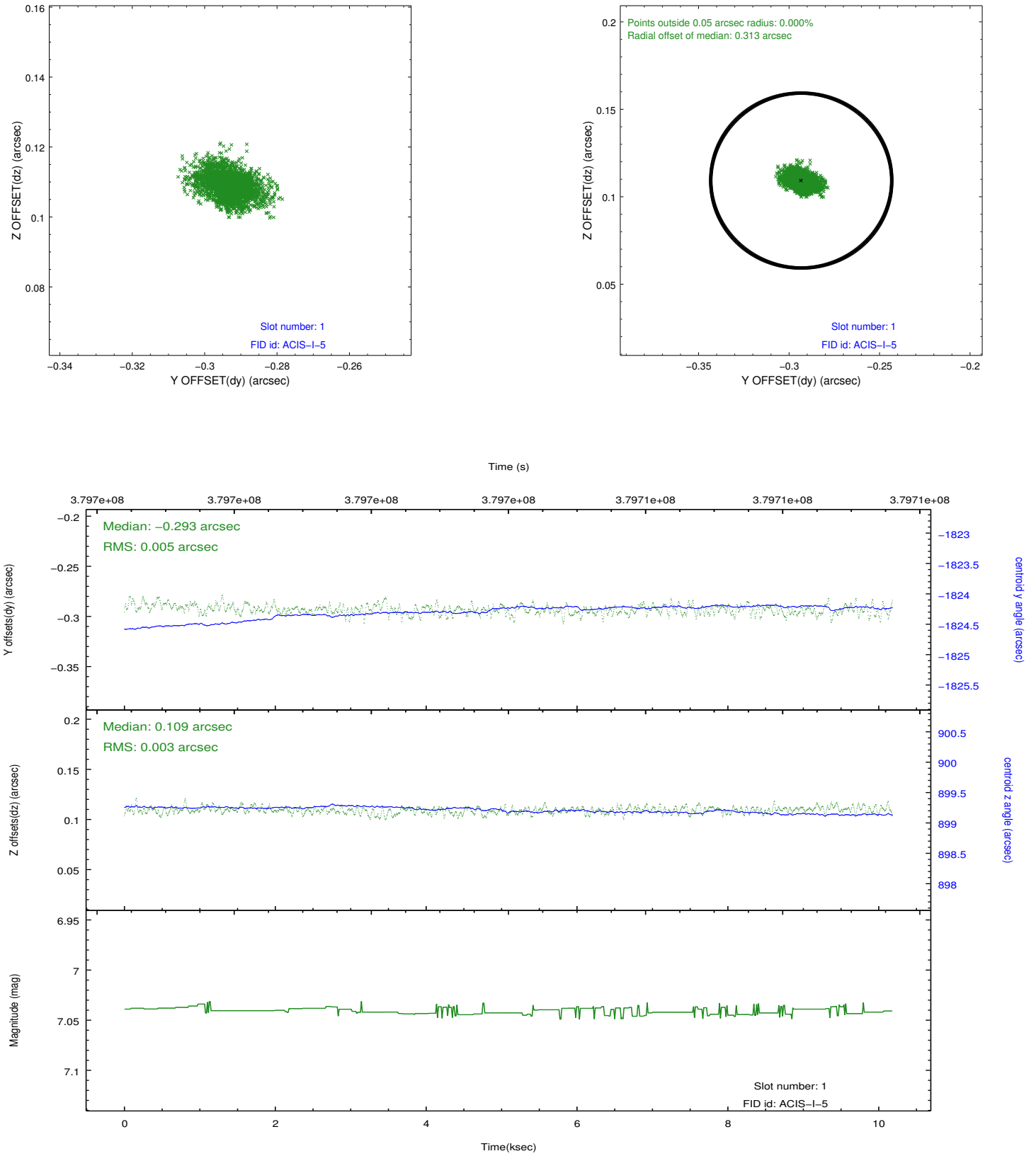


2.5 FID Slots

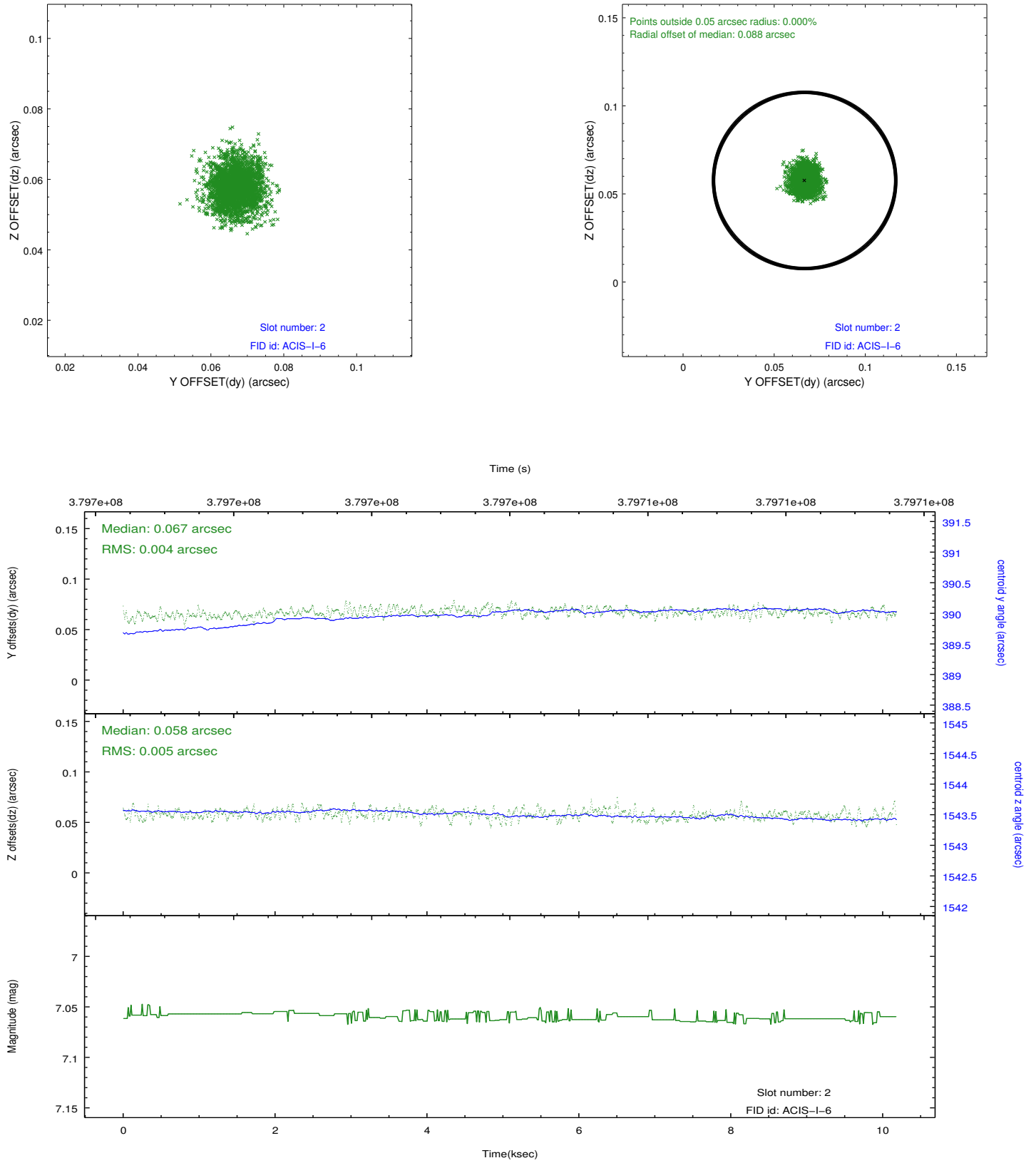
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.065063365698

A.2 Comments