

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6755 - L2 Version 2
Chandra X-Ray Center

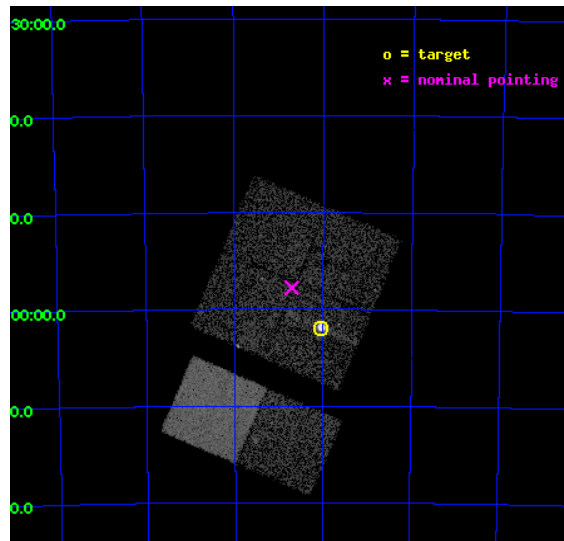
L2 Processing Date : Mar 28 2012

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1 Front

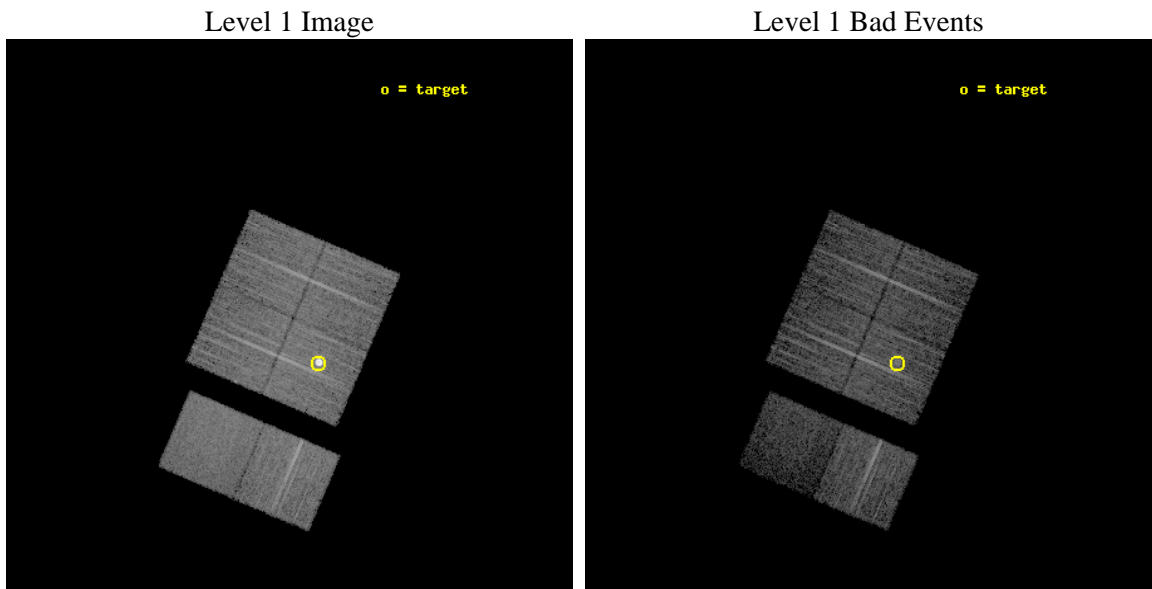
seq_num	590438	Sequence number
obs_id	6755	Observation id
title	AO7 ACIS-I Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I2,-120,4.7,2.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.176097769623	Nominal RA [deg]
dec_nom	-71.963172307318	Nominal Dec [deg]
roll_nom	203.17242984952	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7254.3589827716	Sum of GTIs [s]
livetime	7162.4999212812	Livetime [s]
ontime0	7257.5999729633	Sum of GTIs [s]
ontime1	7257.5999729633	Sum of GTIs [s]
ontime2	7254.3589827716	Sum of GTIs [s]
ontime3	7257.5999729633	Sum of GTIs [s]
ontime6	7257.5999729633	Sum of GTIs [s]
ontime7	7257.5999729633	Sum of GTIs [s]
l2events	64022	Number of level 2 events



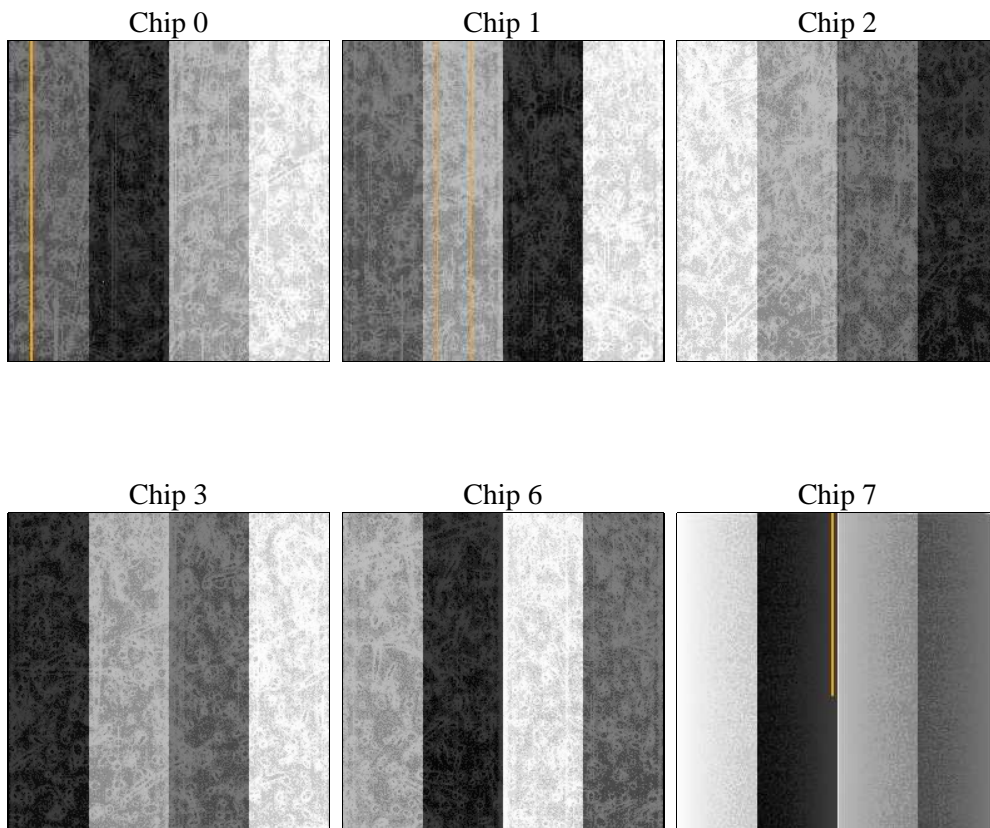
2 OBI

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	8.4.3.1	Processing system revision	ontime	7254.3589827716	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	7257.5999729633	Sum of GTIs [s]
date	2012-03-28T03:05:39	Date and time of file creation	ontime1	7257.5999729633	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7254.3589827716	Sum of GTIs [s]
			ontime3	7257.5999729633	Sum of GTIs [s]
			ontime6	7257.5999729633	Sum of GTIs [s]
			ontime7	7257.5999729633	Sum of GTIs [s]
			l1events	315001	Number of level 1 events

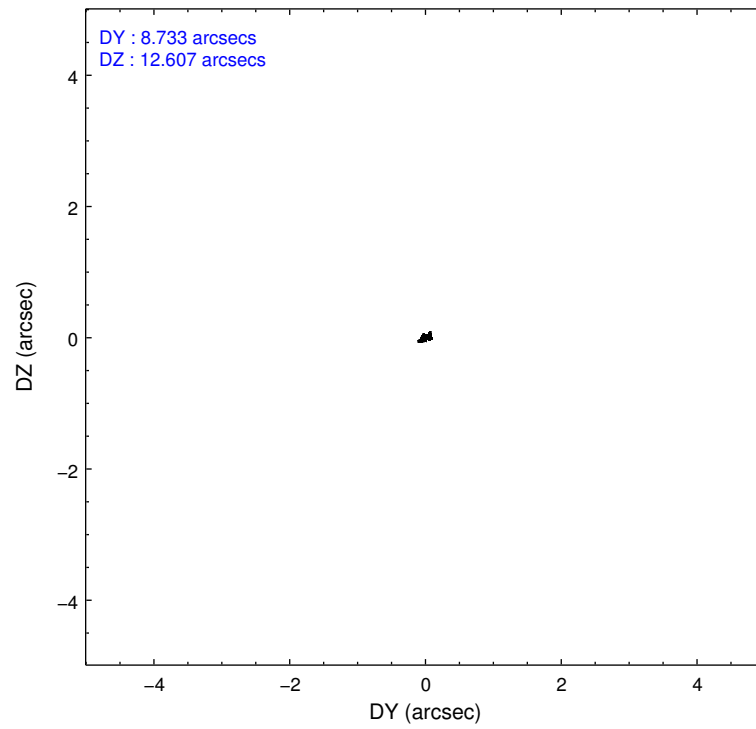
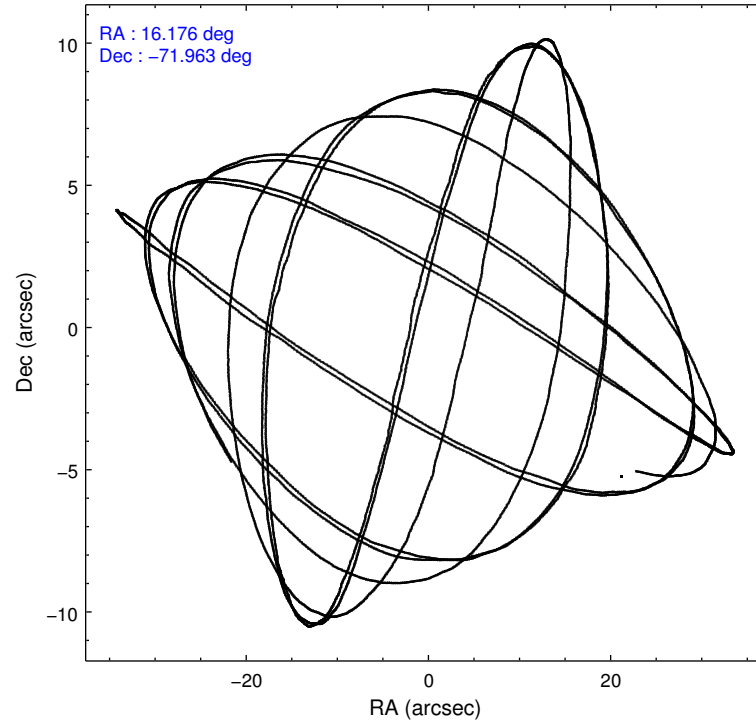
2.1.4 Events

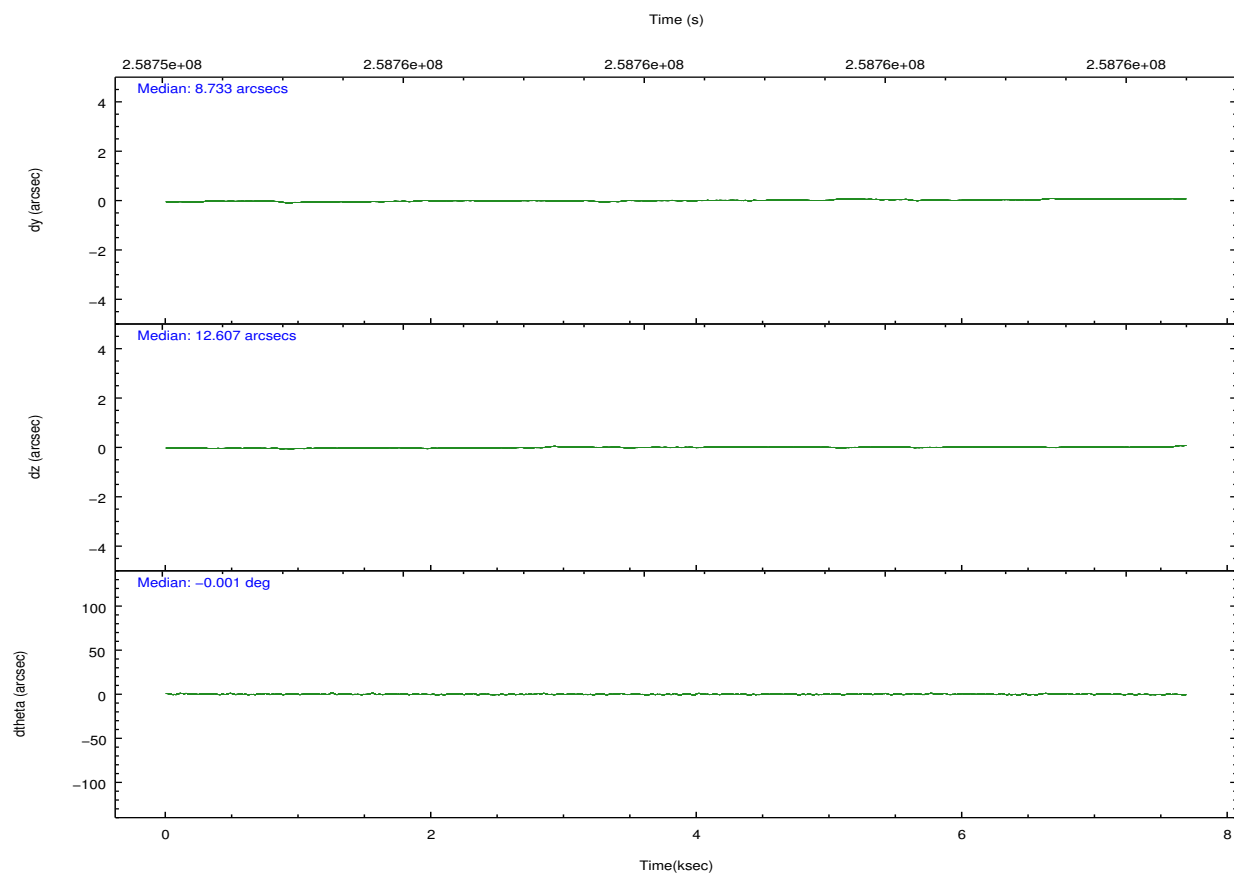
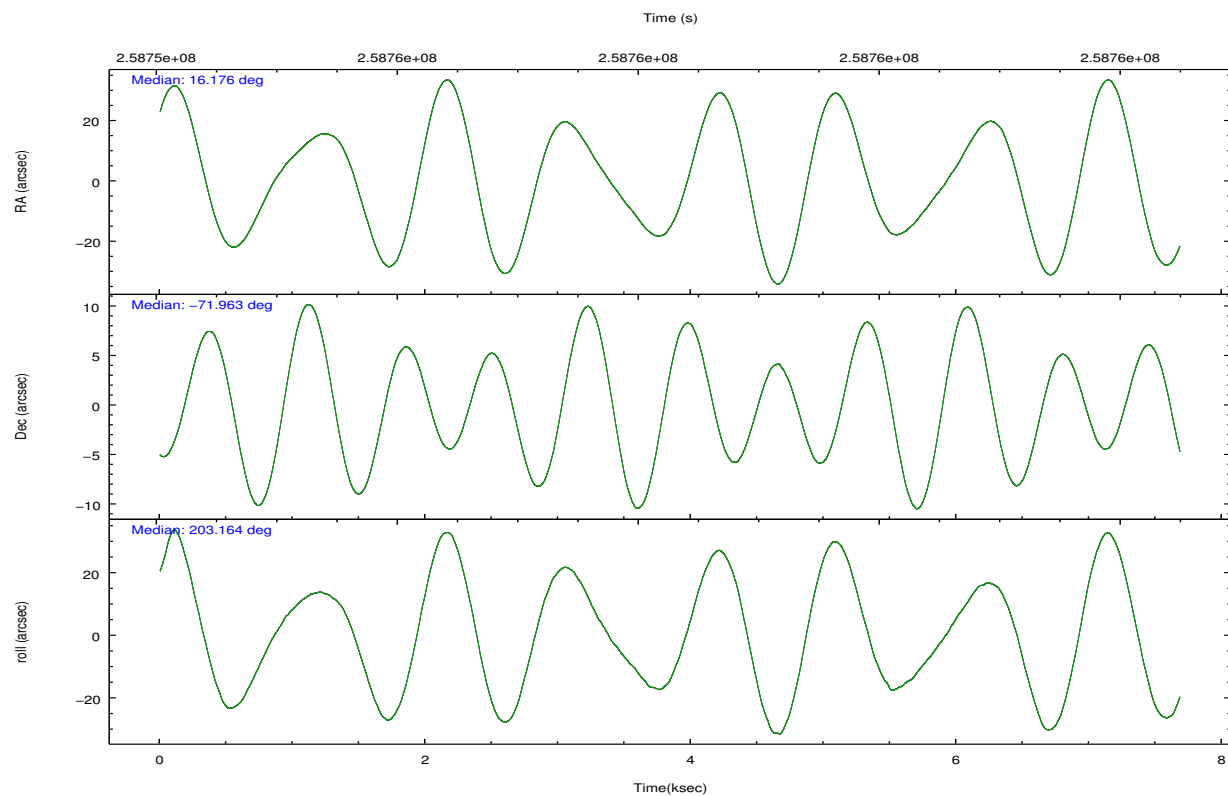
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	45683	45352	77527	48563	51704	46172	grade 0 events	1756	1662	21060	1851	2059	2241
rejected events	40921	40564	51015	43789	46413	23275		3%	3%	27%	3%	3%	4%
rejected %	89%	89%	65%	90%	89%	50%	grade 1 events	20	26	214	41	18	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	1129	1046	2661	969	1162	4823
								2%	2%	3%	1%	2%	10%
							grade 3 events	551	589	891	521	556	2295
								1%	1%	1%	1%	1%	4%
							grade 4 events	512	569	894	544	519	2240
								1%	1%	1%	1%	1%	4%
							grade 5 events	1365	1533	1381	1701	1786	4998
								2%	3%	1%	3%	3%	10%
							grade 6 events	818	925	1018	890	998	11310
								1%	2%	1%	1%	1%	24%
							grade 7 events	39532	39002	49408	42046	44606	18210
								86%	85%	63%	86%	86%	39%

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	16.228749	16.1760977696231	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.941197	-71.9631723073183	Alternating exposures requested	N	N
[deg] Pointing Roll	203.013812	203.1724298495215	[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)	258754606.184000	258754229.80806			
Observation start date	2006-03-14T20:15:41	2006-03-14T20:10:29			
[s] Observation end time (MET)	258762106.184000	258762240.18343			
Observation end date	2006-03-14T22:20:41	2006-03-14T22:24:00			
Read mode	TIMED	TIMED			

2.3 Aspect



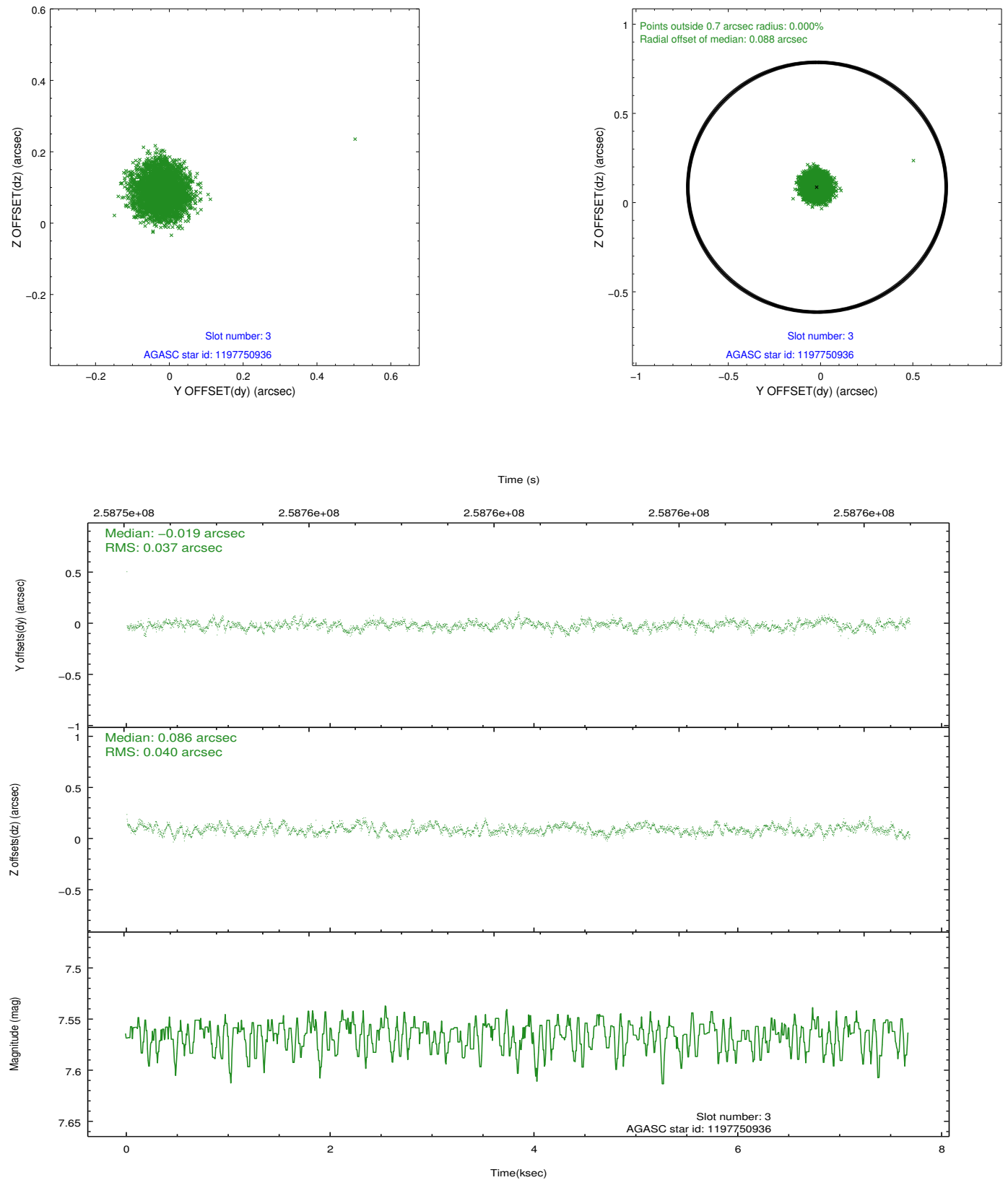


Slot Statistics

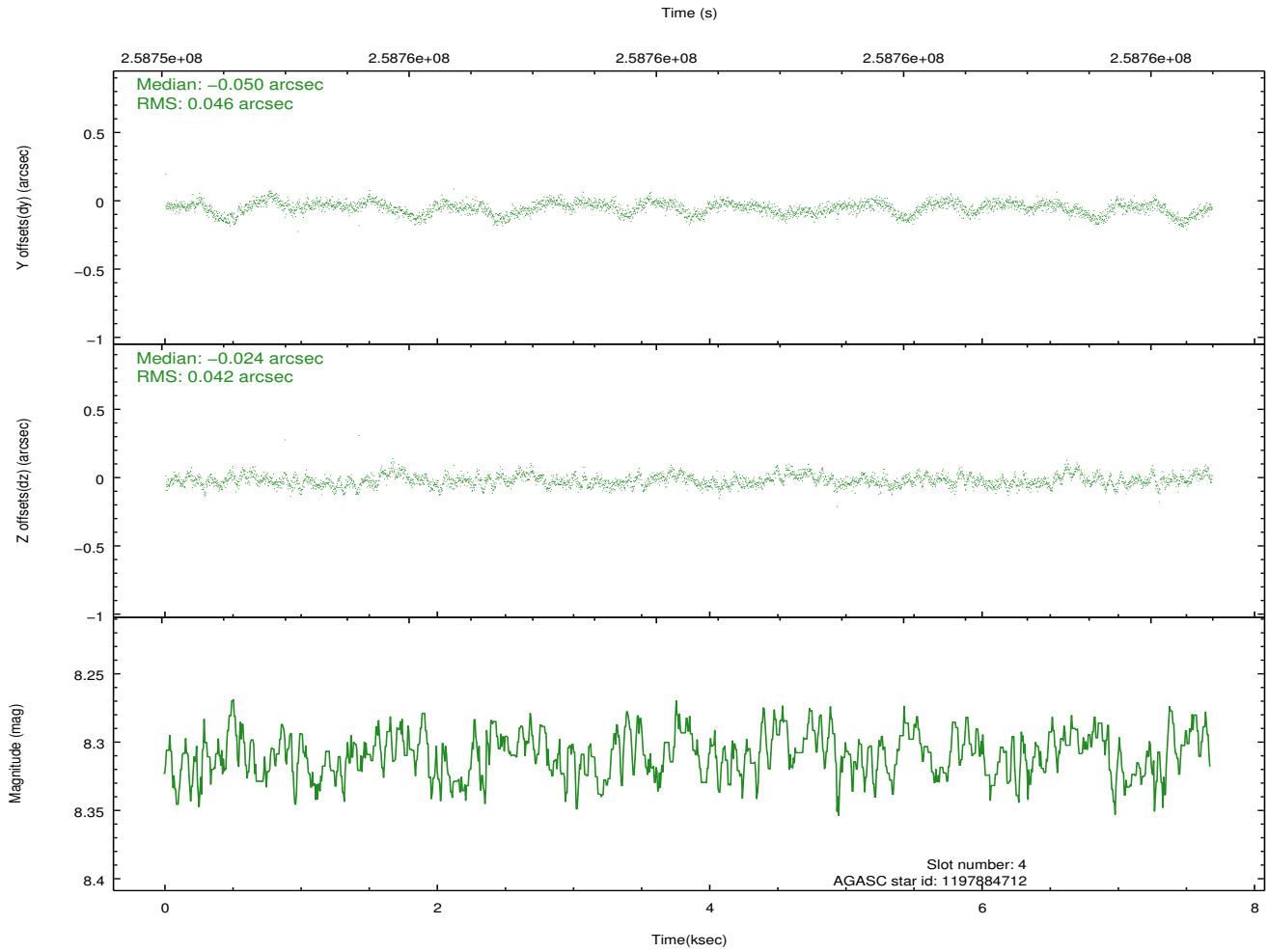
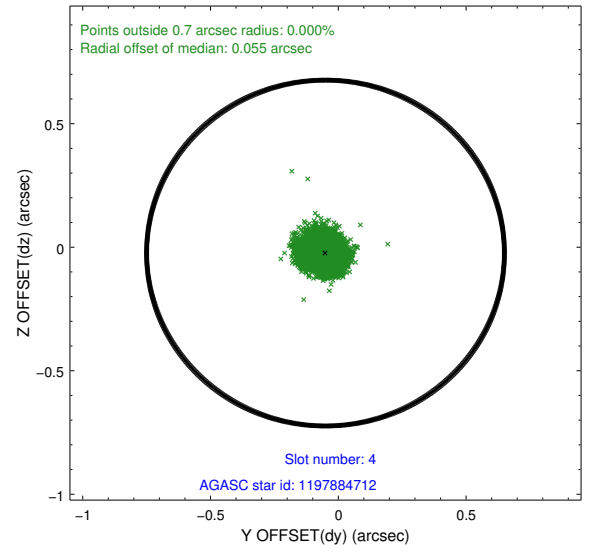
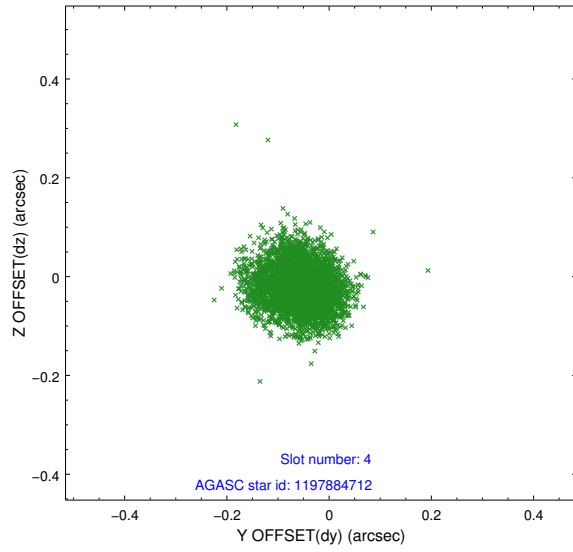
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1874	0.055	0.005	0.006	0.011	0.000000	0.000000	930.94	-836.15
1	FID	ACIS-I-5	7.23	1874	-0.197	0.069	0.006	0.010	0.000000	0.000000	-1816.98	1061.08
2	FID	ACIS-I-6	7.25	1873	0.051	-0.003	0.007	0.011	0.000000	0.000000	395.72	1706.31
3	GUIDE	1197750936	7.56	3748	-0.019	0.086	0.058	0.090	15.387940	-71.549550	333.76	-1665.47
4	GUIDE	1197884712	8.31	3747	-0.050	-0.024	0.066	0.107	16.087398	-72.252690	581.54	971.52
5	GUIDE	1197885104	9.36	3745	0.158	-0.040	0.087	0.140	17.845067	-72.189368	-1278.48	1540.56
6	GUIDE	1197885328	7.25	3749	0.079	0.076	0.050	0.081	16.283090	-71.733943	-348.59	-662.11
7	GUIDE	1198189696	7.36	3745	-0.165	-0.100	0.050	0.089	15.223750	-72.697522	2058.23	2094.07

2.4 Star Slots

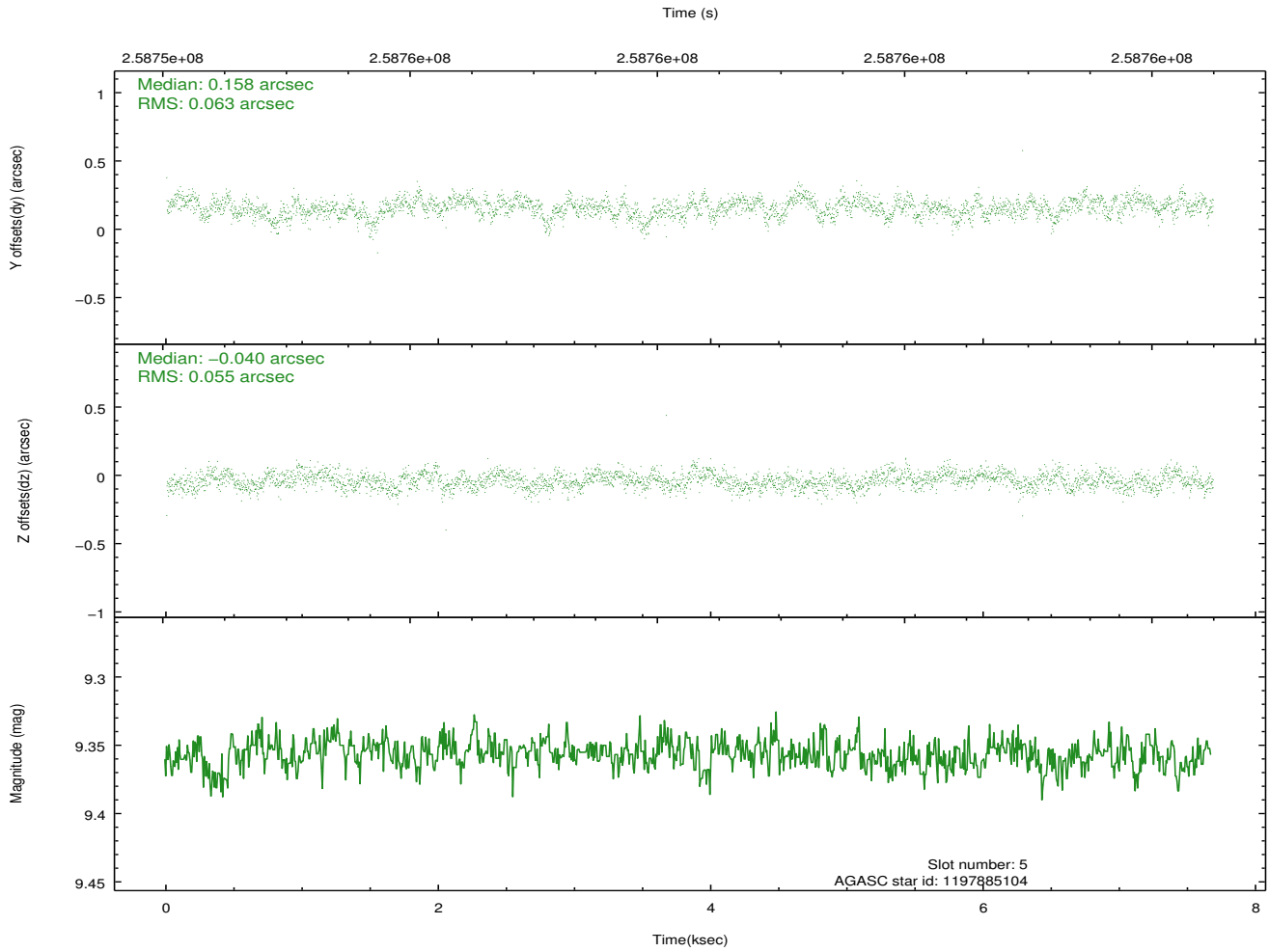
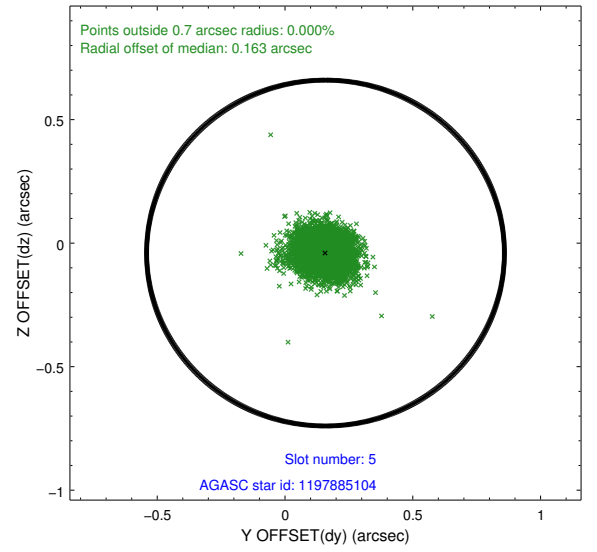
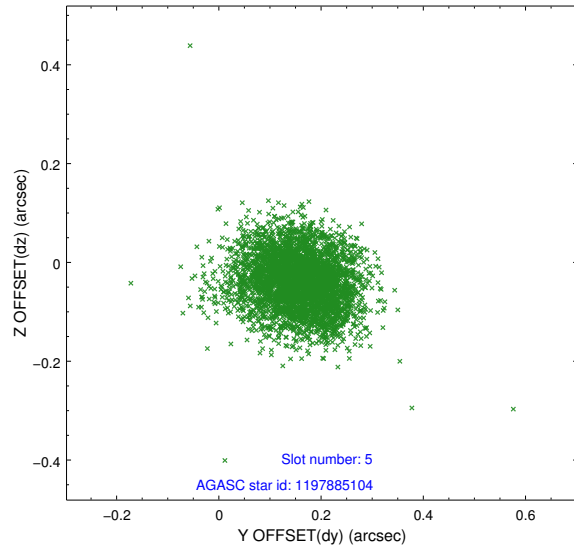
2.4.1 Slot 3



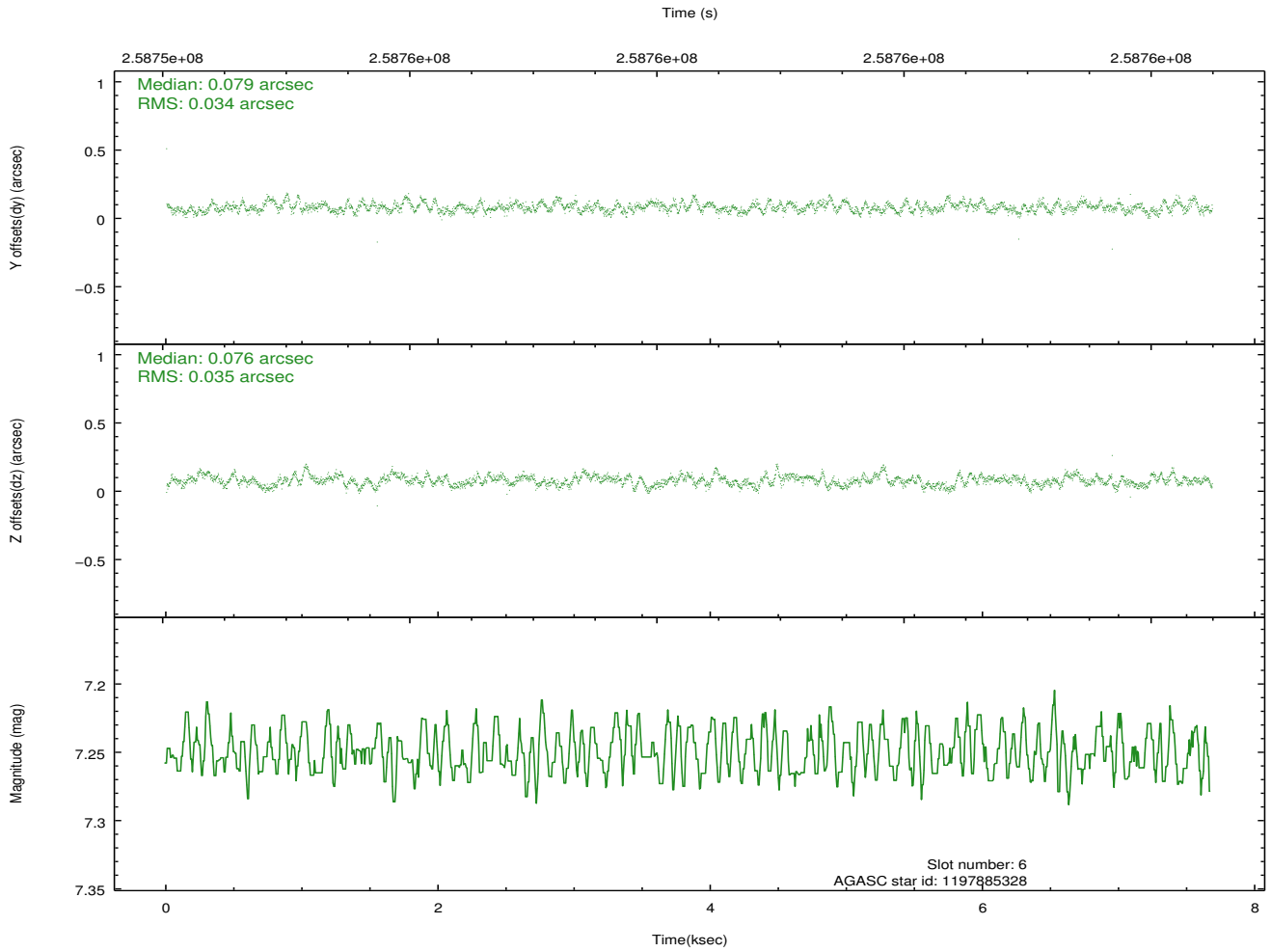
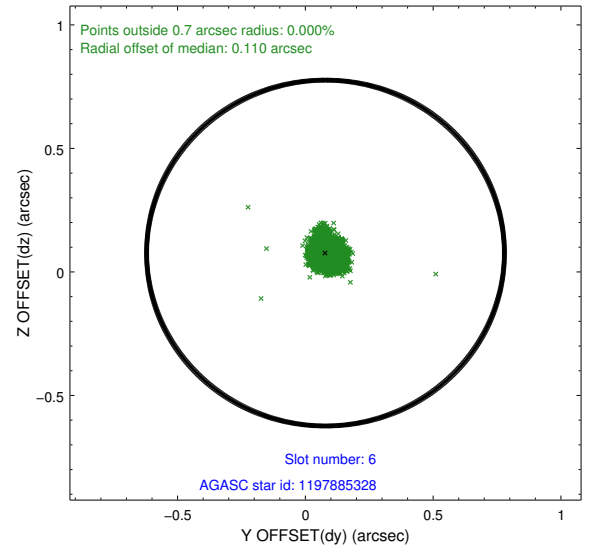
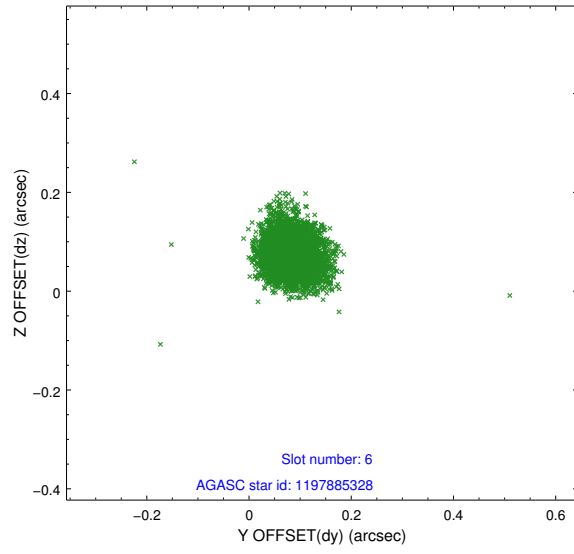
2.4.2 Slot 4



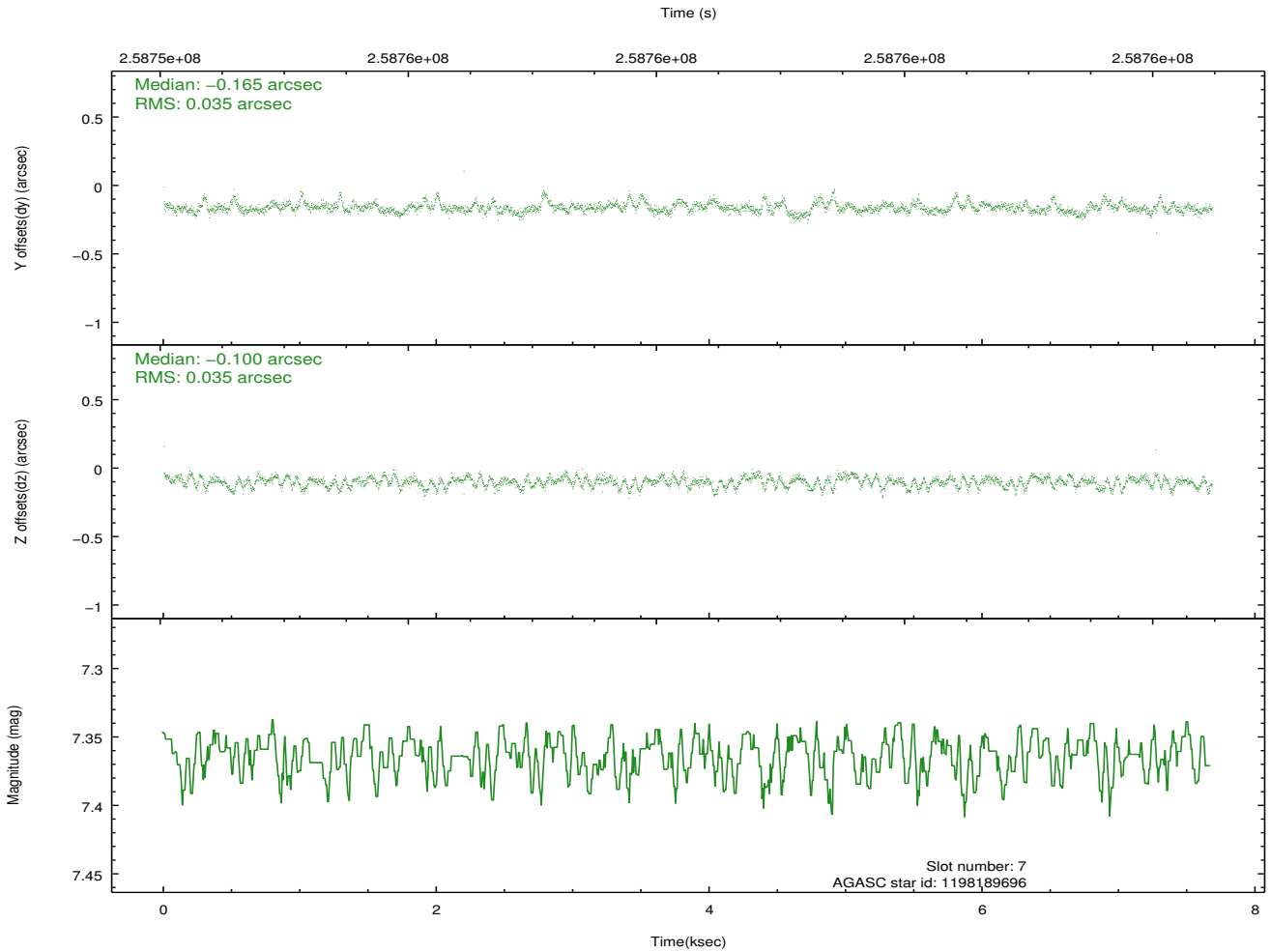
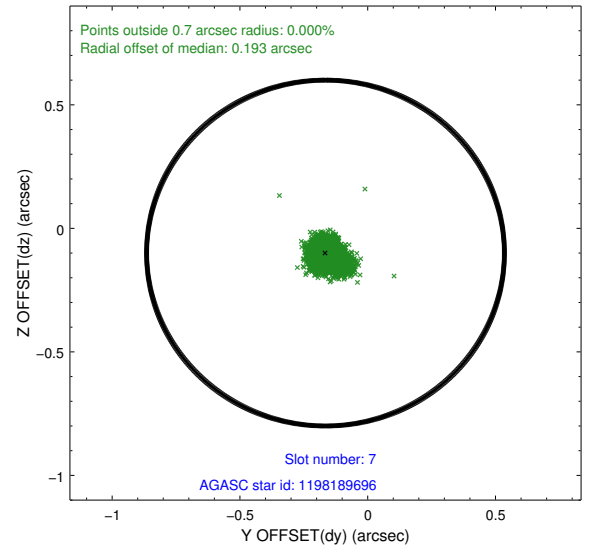
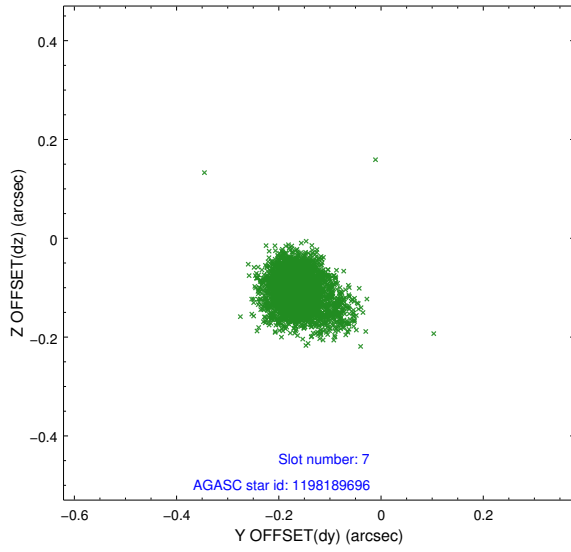
2.4.3 Slot 5



2.4.4 Slot 6

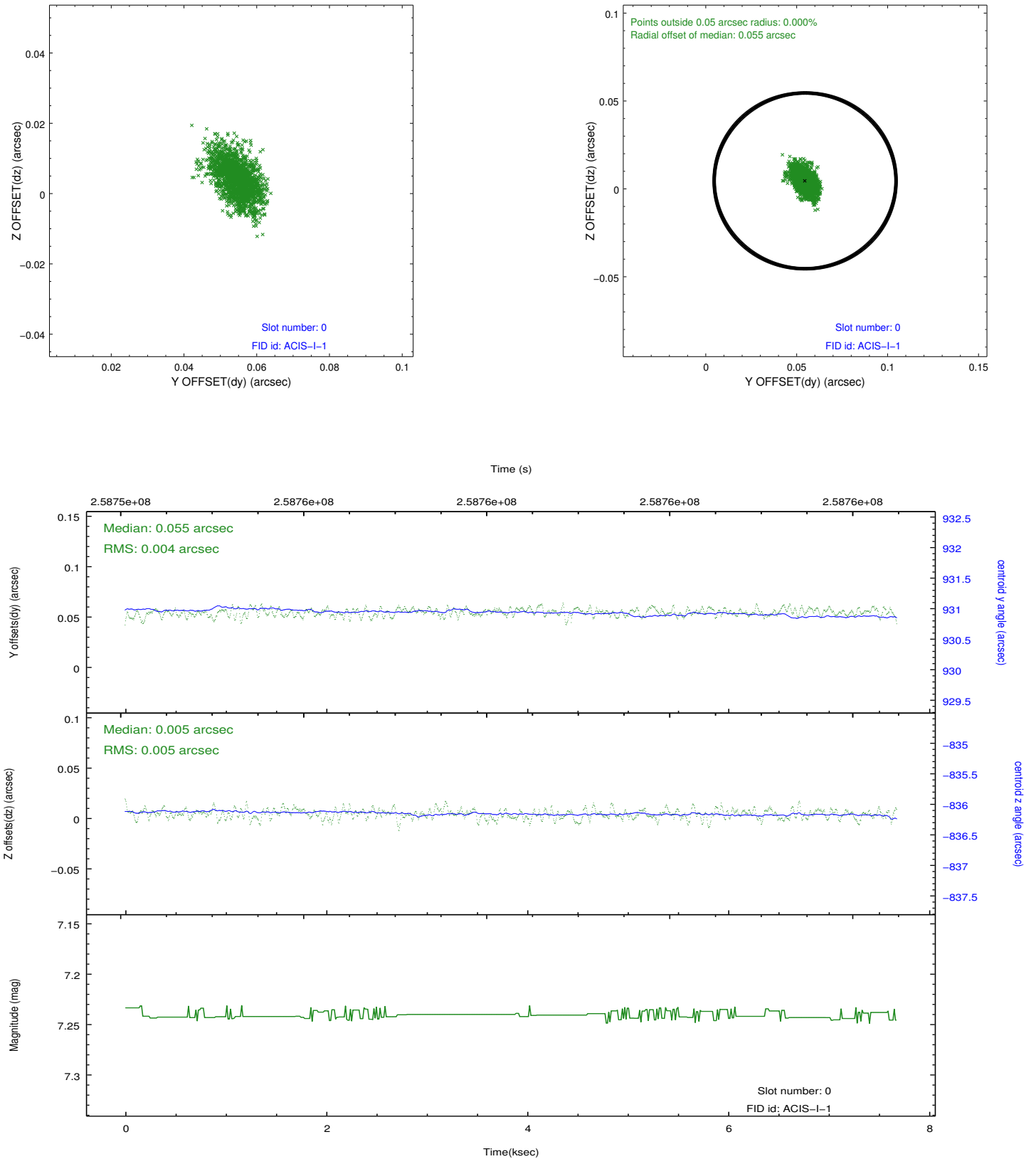


2.4.5 Slot 7

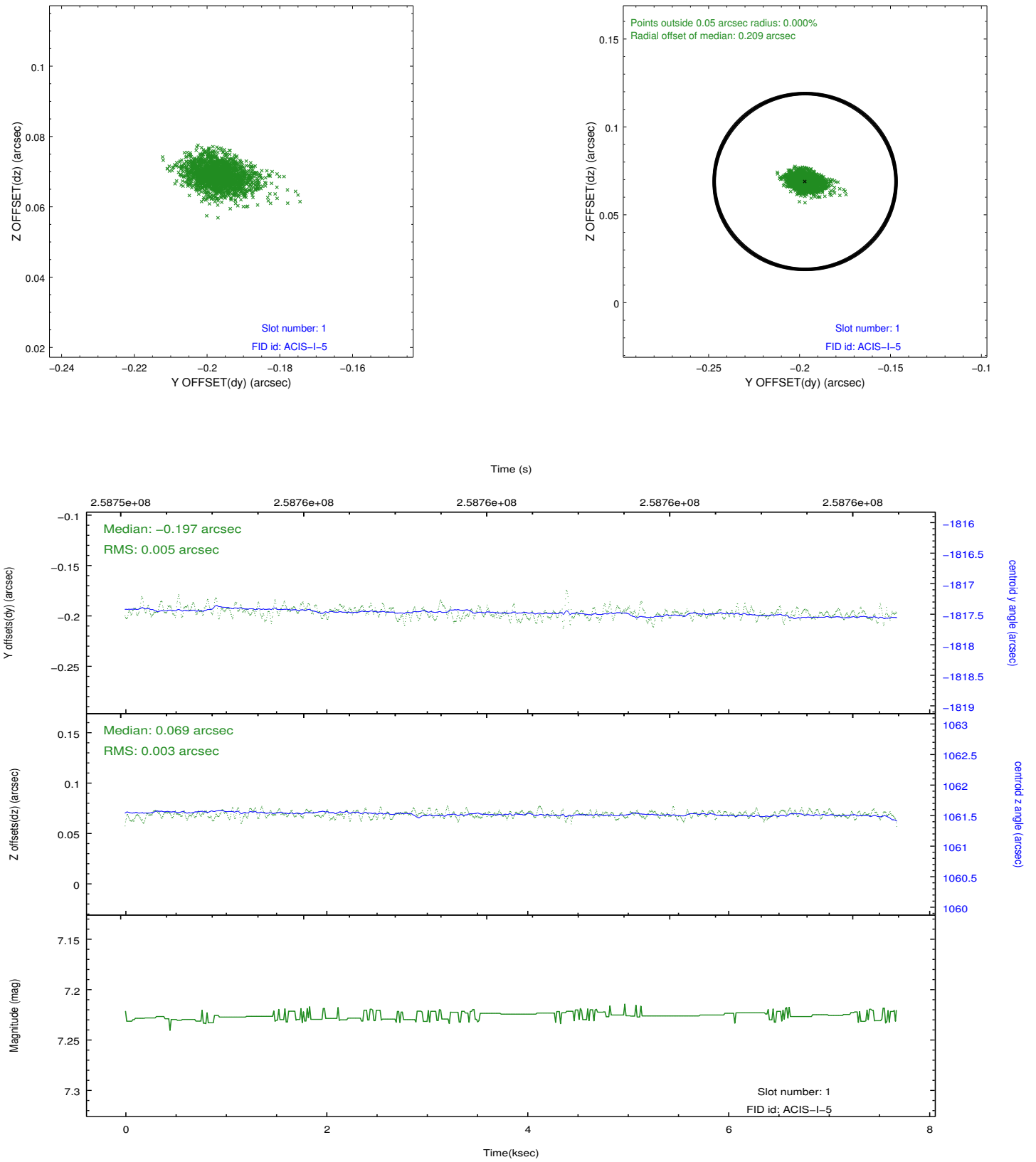


2.5 FID Slots

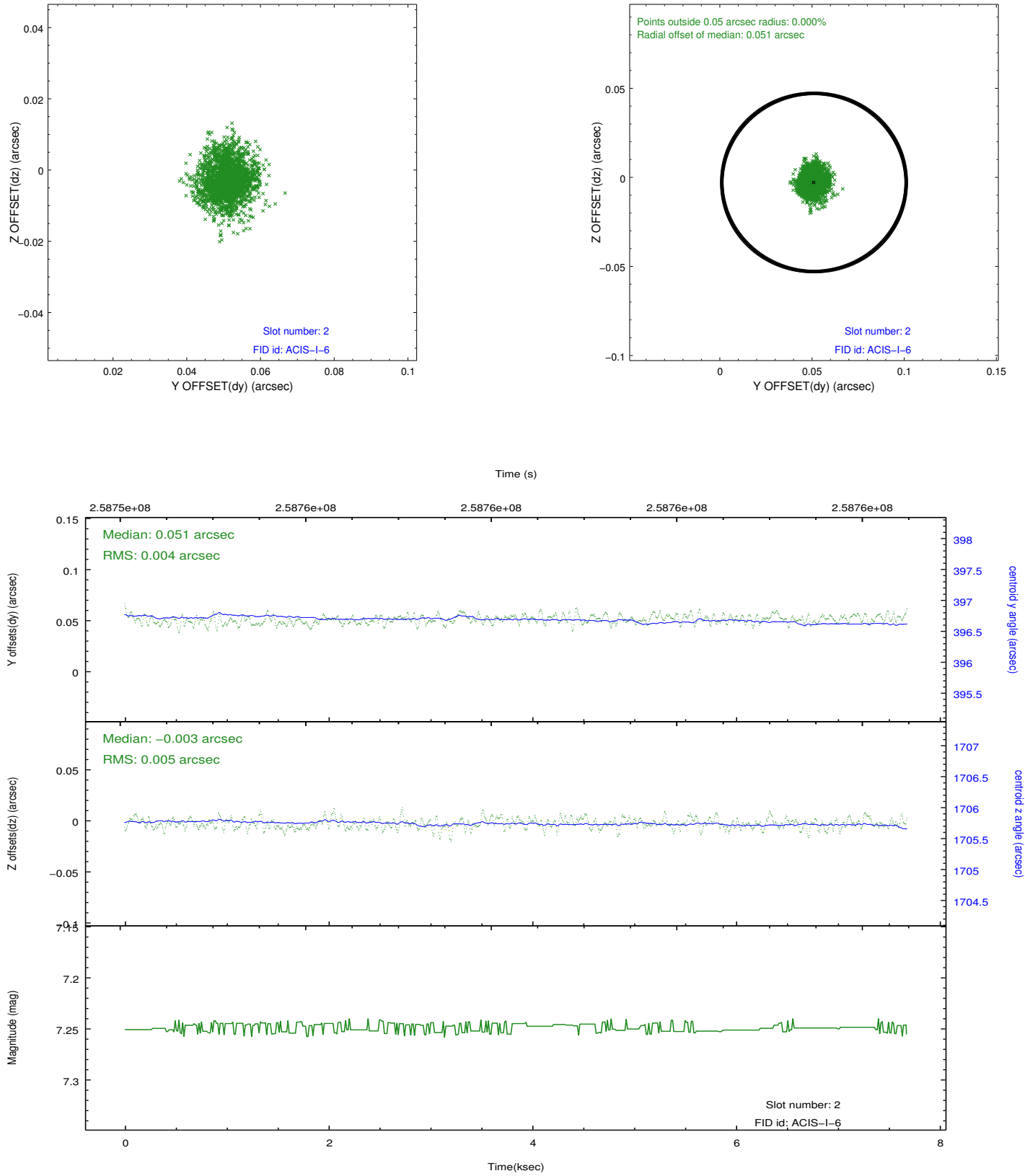
2.5.1 Slot 0



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	7.25435898

A.2 Comments

Window constraint satisfied.