

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8235 - L2 Version 2  
Chandra X-Ray Center

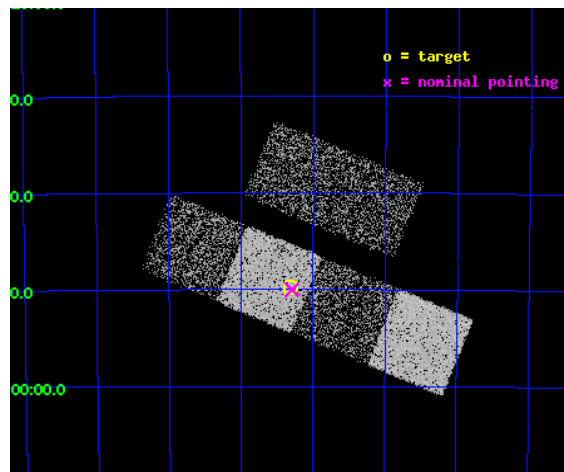
L2 Processing Date : May 2 2012

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# 1 Front

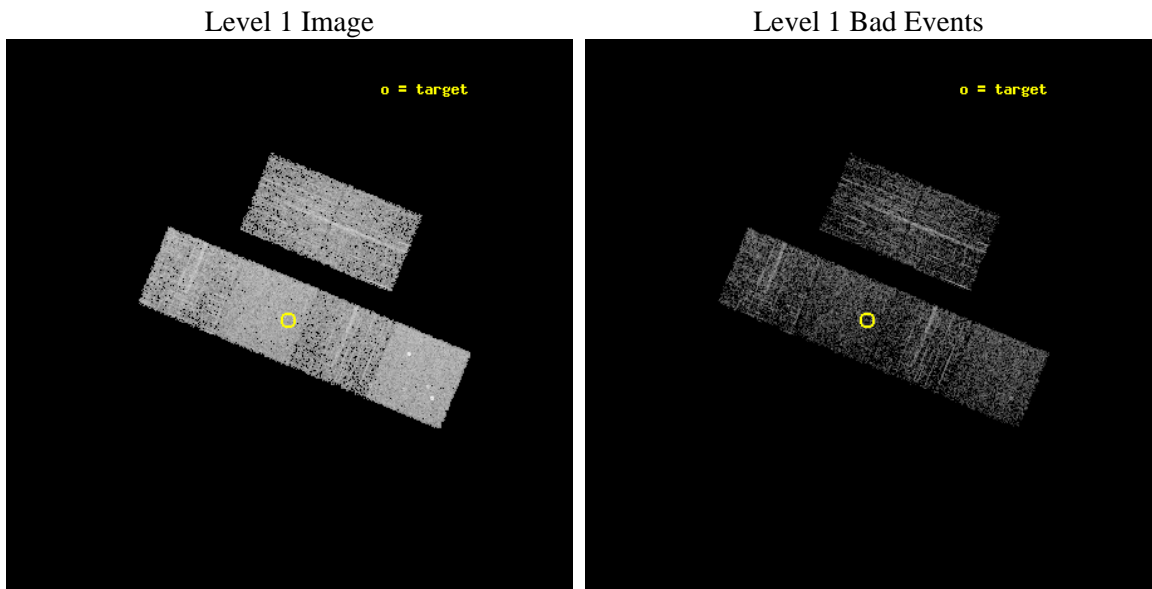
seq_num	900725	Sequence number
obs_id	8235	Observation id
title	Chandra Identification of Compact ASCA Galactic Objects - Part II	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J144519-5949	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.33	Observer's specified target RA [deg]
dec_targ	-59.83	Observer's specified target Dec [deg]
ra_nom	221.3238206229	Nominal RA [deg]
dec_nom	-59.833743511136	Nominal Dec [deg]
roll_nom	202.41120511107	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1775.9999934435	Sum of GTIs [s]
livetime	1753.5112121477	Livetime [s]
ontime2	1775.9999934435	Sum of GTIs [s]
ontime3	1775.9999934435	Sum of GTIs [s]
ontime5	1775.9999934435	Sum of GTIs [s]
ontime6	1775.9999934435	Sum of GTIs [s]
ontime7	1775.9999934435	Sum of GTIs [s]
ontime8	1775.9999934435	Sum of GTIs [s]
l2events	28629	Number of level 2 events



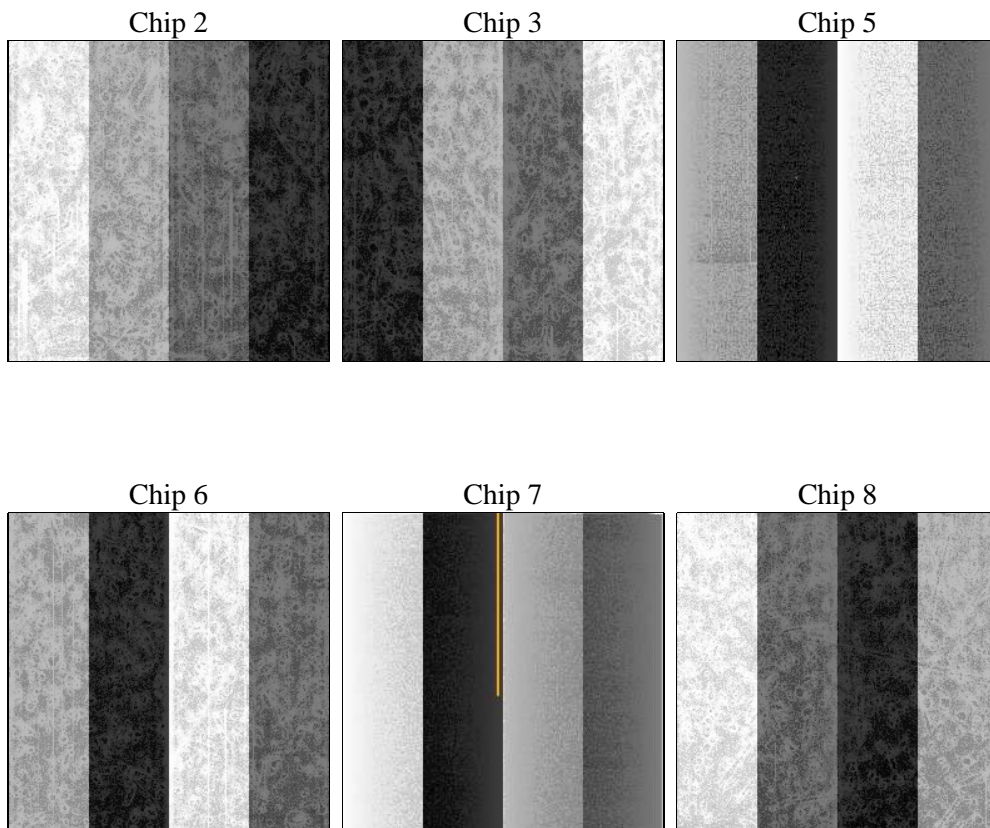
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1775.9999934435	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	1775.9999934435	Sum of GTIs [s]
date	2012-05-02T22:06:06	Date and time of file creation	ontime3	1775.9999934435	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1775.9999934435	Sum of GTIs [s]
			ontime6	1775.9999934435	Sum of GTIs [s]
			ontime7	1775.9999934435	Sum of GTIs [s]
			ontime8	1775.9999934435	Sum of GTIs [s]
			l1events	134642	Number of level 1 events

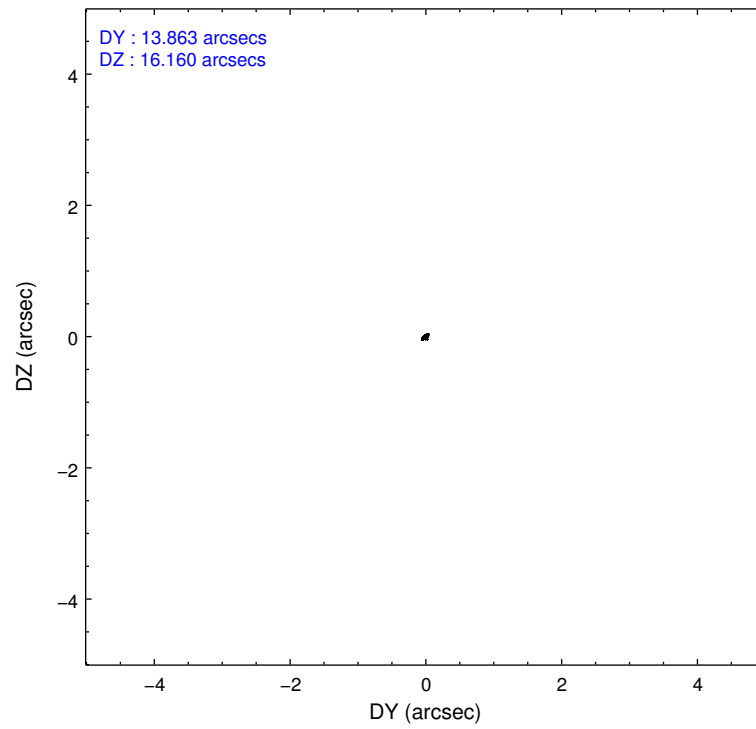
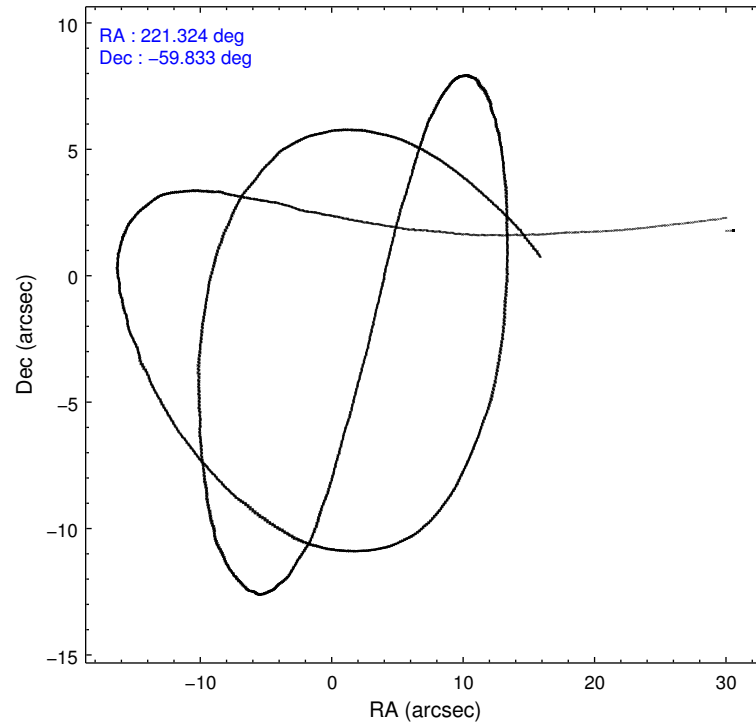
### 2.1.4 Events

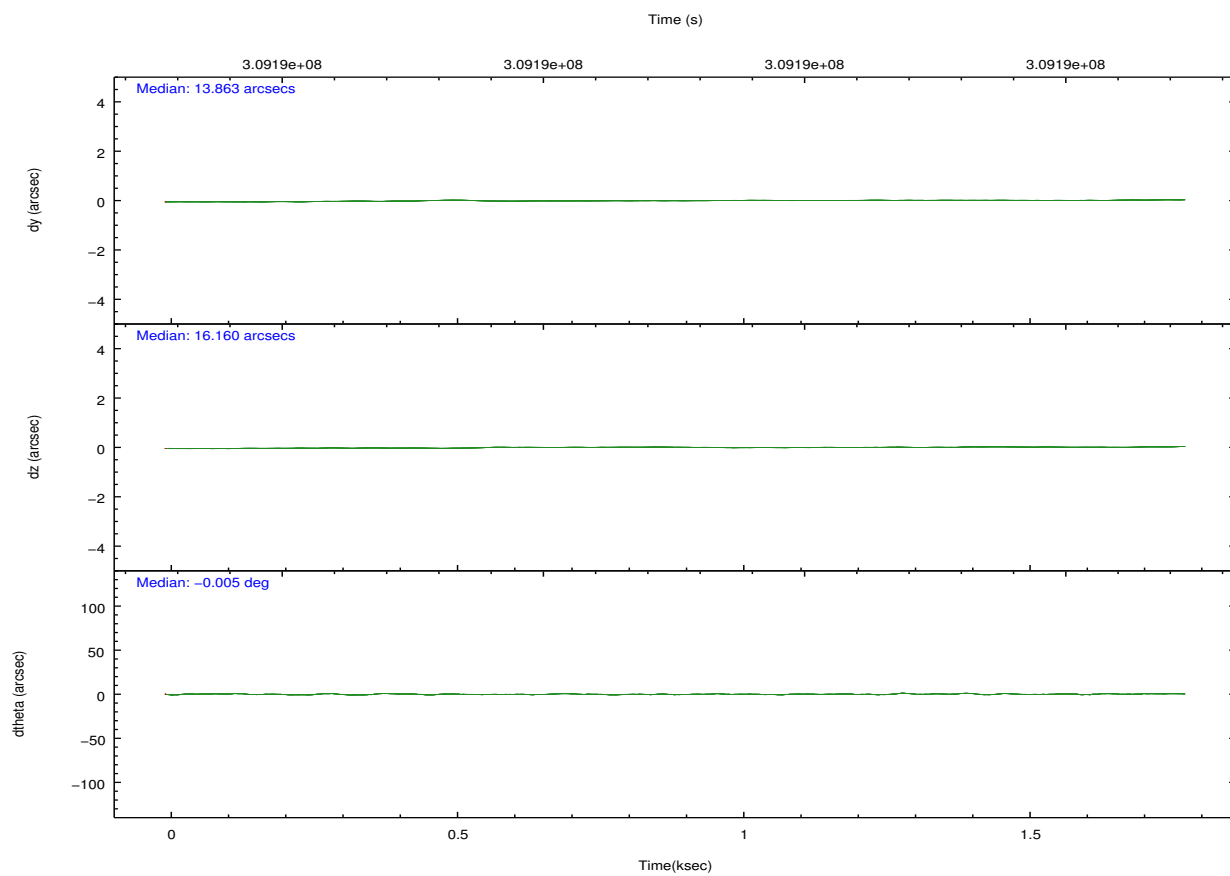
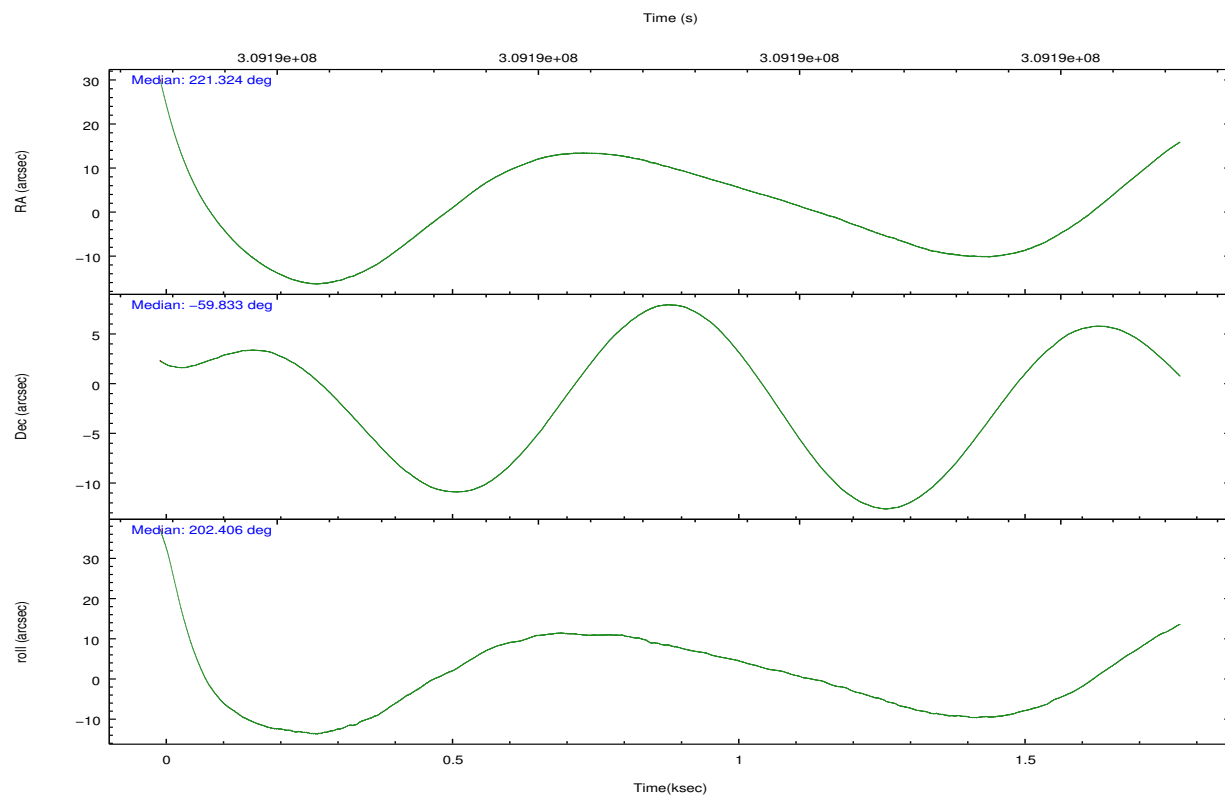
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18940	18521	29564	17354	26089	24174	grade 0 events	1018	930	1794	957	942	1669
rejected events	16905	16514	16684	15194	16209	19382		5%	5%	6%	5%	3%	6%
rejected %	89%	89%	56%	87%	62%	80%	grade 1 events	11	12	102	11	25	21
								0%	0%	0%	0%	0%	0%
							grade 2 events	450	422	4332	506	2205	1217
								2%	2%	14%	2%	8%	5%
							grade 3 events	192	210	506	216	937	533
								1%	1%	1%	1%	3%	2%
							grade 4 events	197	227	500	221	930	495
								1%	1%	1%	1%	3%	2%
							grade 5 events	766	847	2151	877	2430	1178
								4%	4%	7%	5%	9%	4%
							grade 6 events	343	389	6916	450	5762	1397
								1%	2%	23%	2%	22%	5%
							grade 7 events	15963	15484	13263	14116	12858	17664
								84%	83%	44%	81%	49%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	221.356930	221.3238206228961	CCD I2 on	O2	Y
[deg] Pointing Dec	-59.812021	-59.833743511136	CCD I3 on	O3	Y
[deg] Pointing Roll	202.283111	202.4112051110728	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	309188043.184000	309186892.0713	CCD S5 on	N	N
Observation start date	2007-10-19T13:32:58	2007-10-19T13:14:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	309189643.184000	309190598.98398	On-chip summing requested	N	N
Observation end date	2007-10-19T13:59:38	2007-10-19T14:16:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





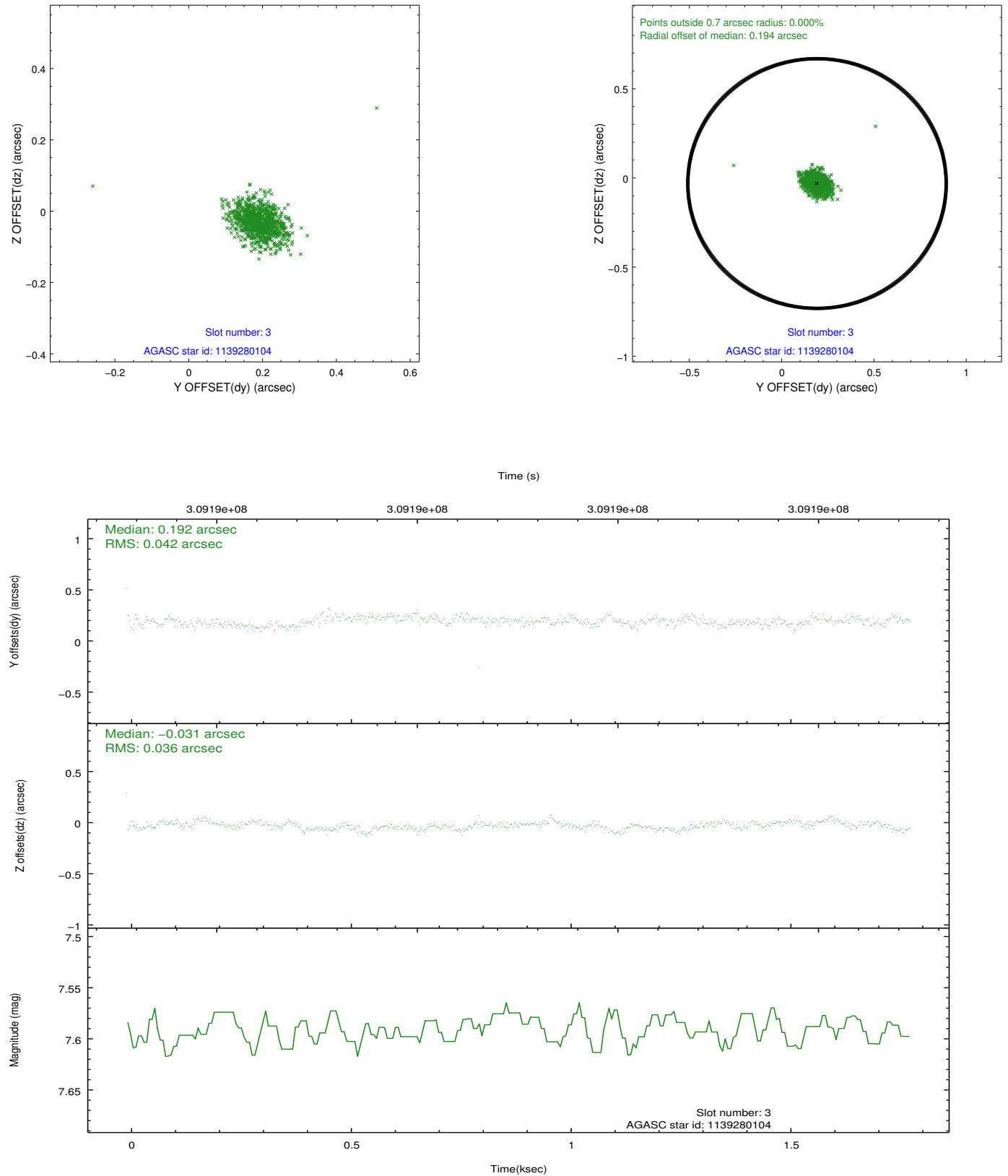
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	435	0.097	-0.102	0.006	0.011	0.000000	0.000000	929.33	-1733.30
1	FID	ACIS-S-5	7.22	435	-0.163	0.053	0.006	0.010	0.000000	0.000000	-1817.86	160.61
2	FID	ACIS-S-6	7.32	435	0.044	0.061	0.007	0.013	0.000000	0.000000	390.84	808.73
3	GUIDE	1139280104	7.59	870	0.192	-0.031	0.054	0.089	220.067386	-59.751255	2089.42	-1066.79
4	GUIDE	1139291160	8.44	870	-0.107	0.095	0.087	0.134	222.064782	-59.190974	-2050.82	-1567.70
5	GUIDE	1180598008	8.30	870	-0.095	-0.160	0.066	0.105	222.659815	-60.204255	-1615.60	2210.71
6	GUIDE	1180603928	8.57	870	0.006	-0.024	0.067	0.105	221.667170	-60.135023	-75.59	1291.73
7	GUIDE	1139282904	8.92	869	0.001	0.124	0.088	0.136	222.025724	-59.195271	-1980.85	-1578.68

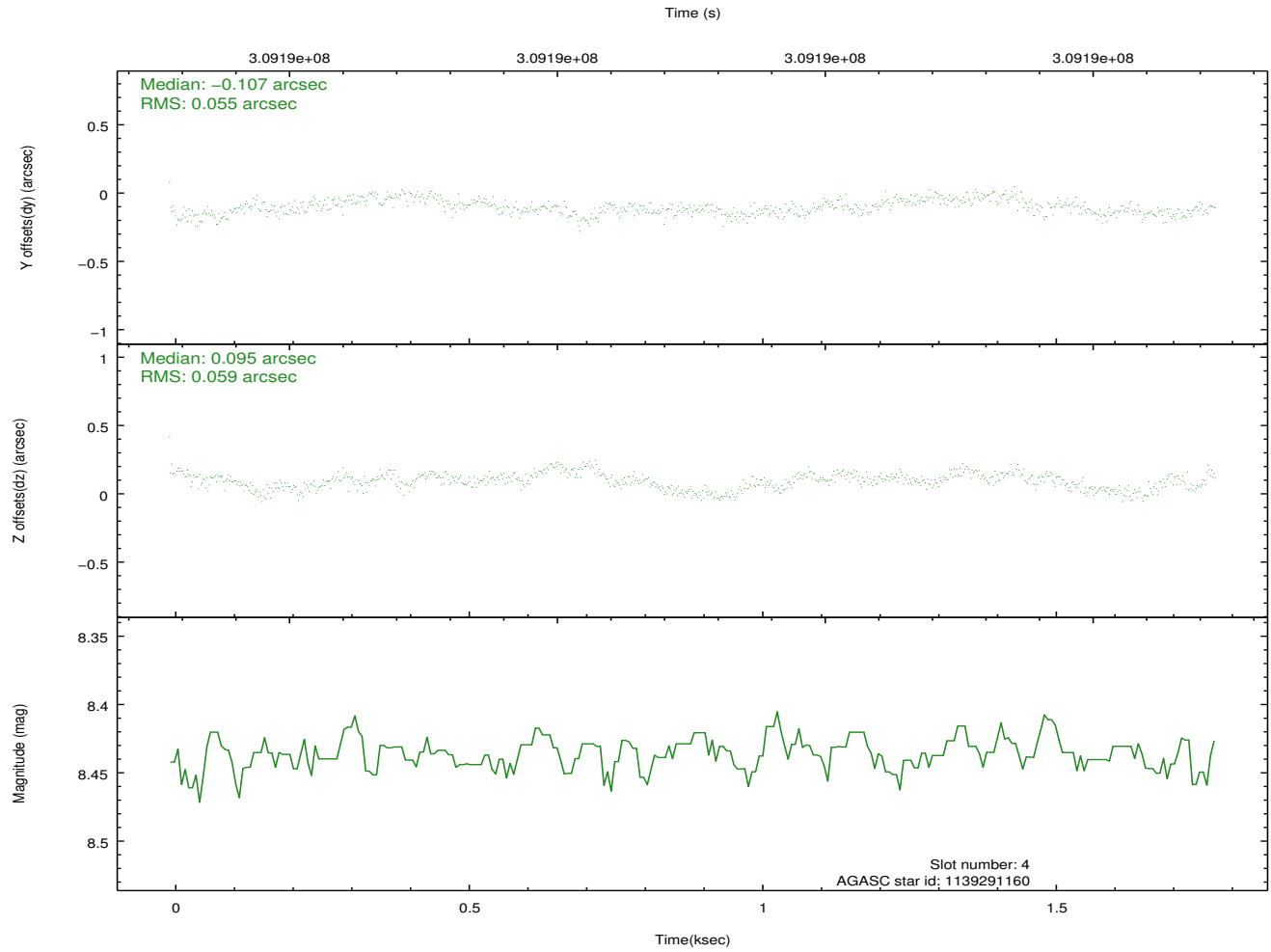
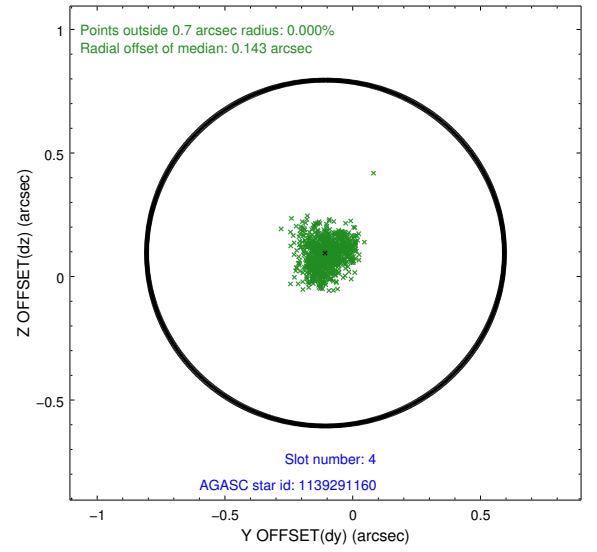
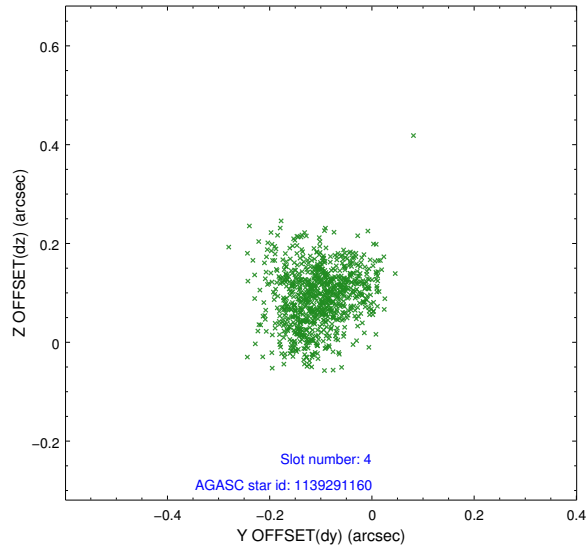


## 2.4 Star Slots

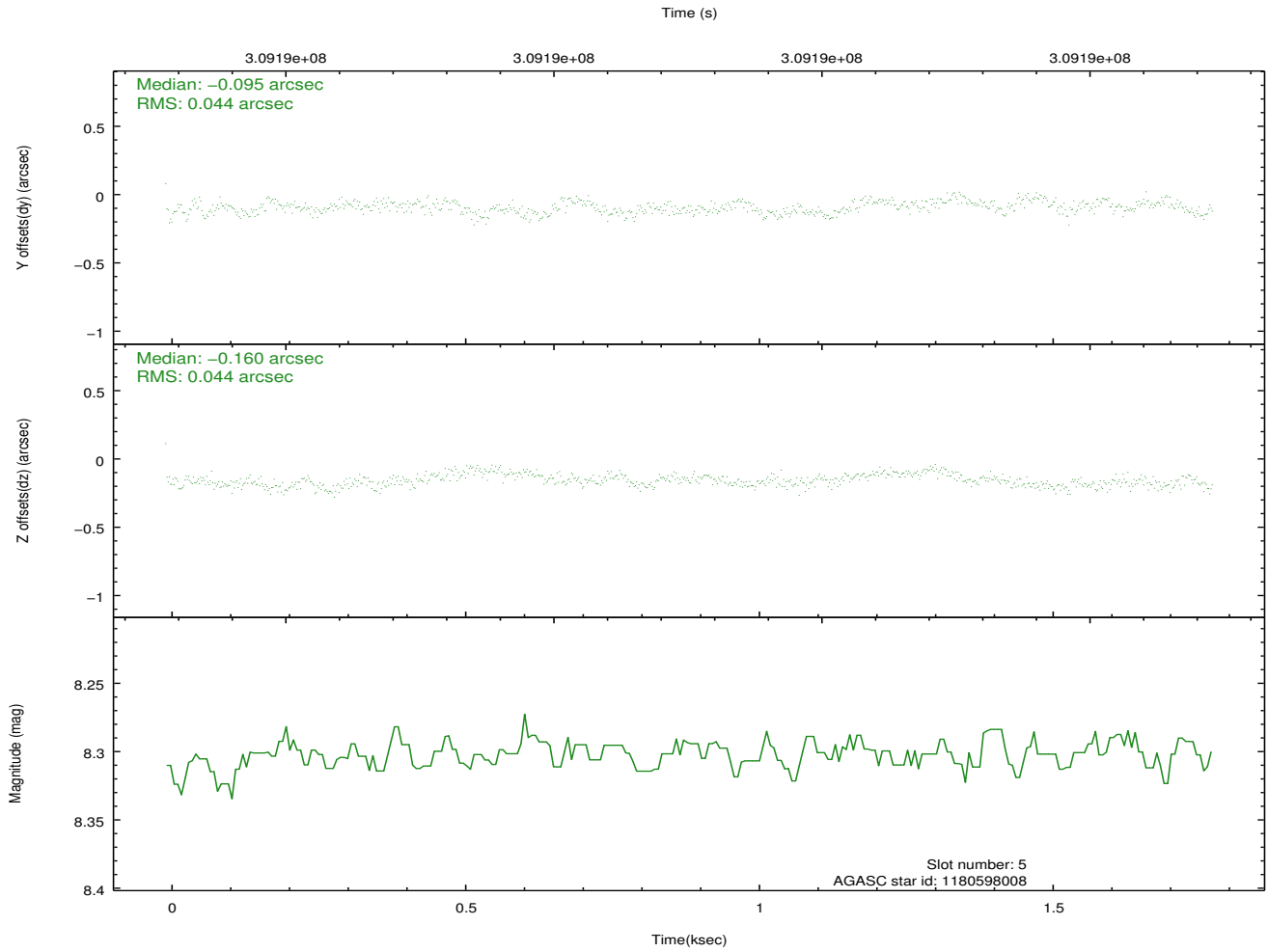
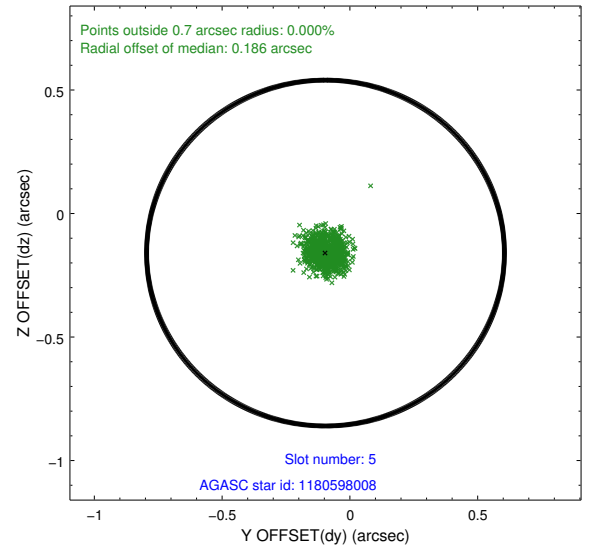
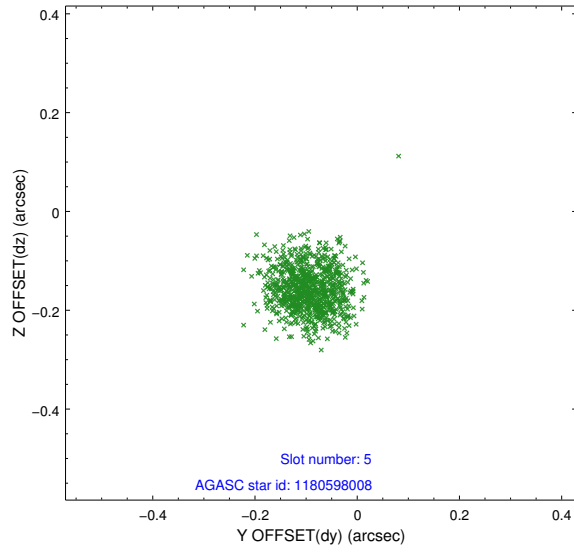
### 2.4.1 Slot 3



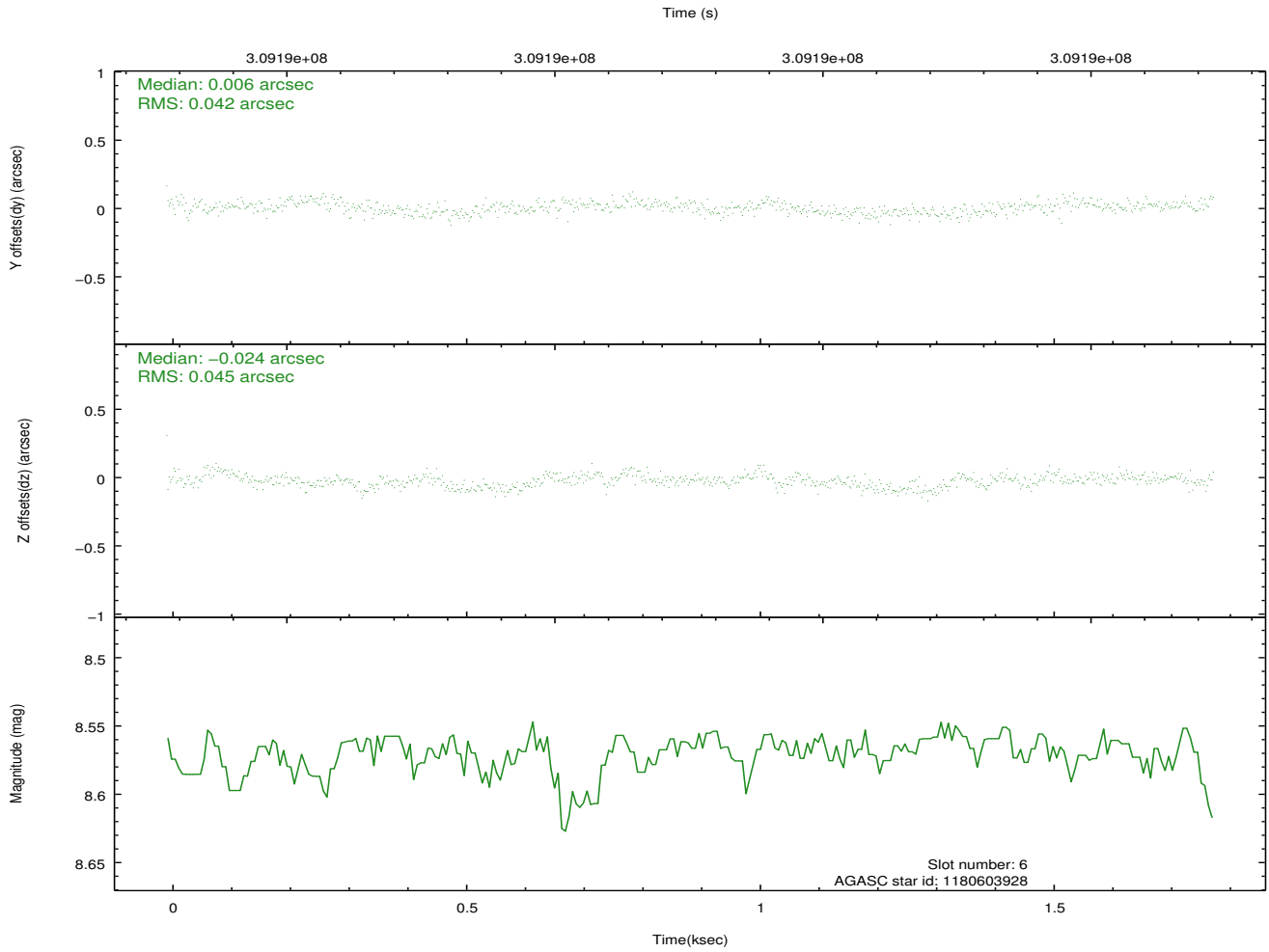
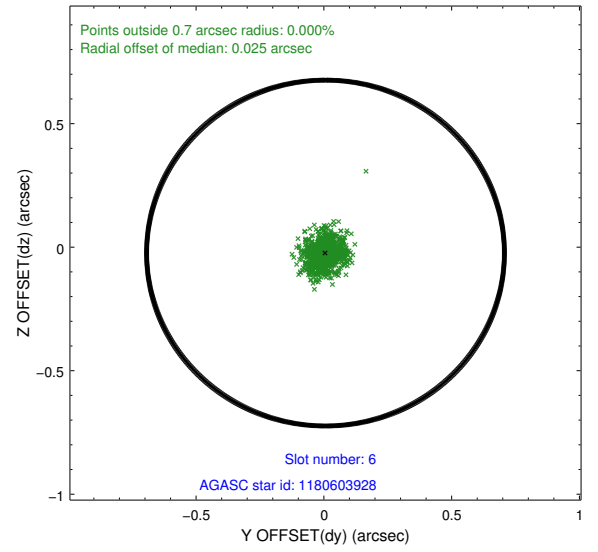
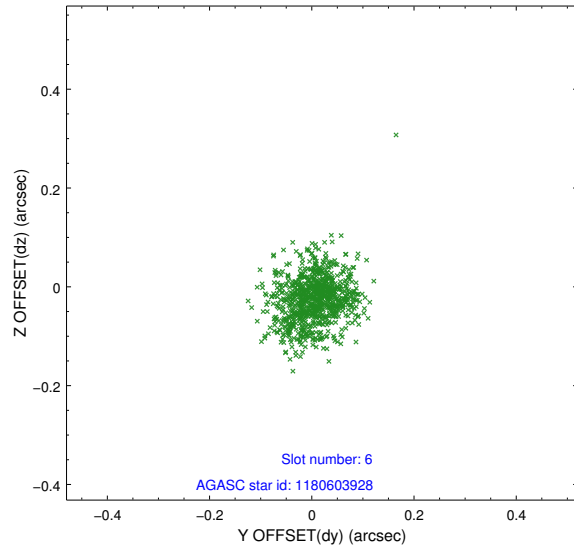
## 2.4.2 Slot 4



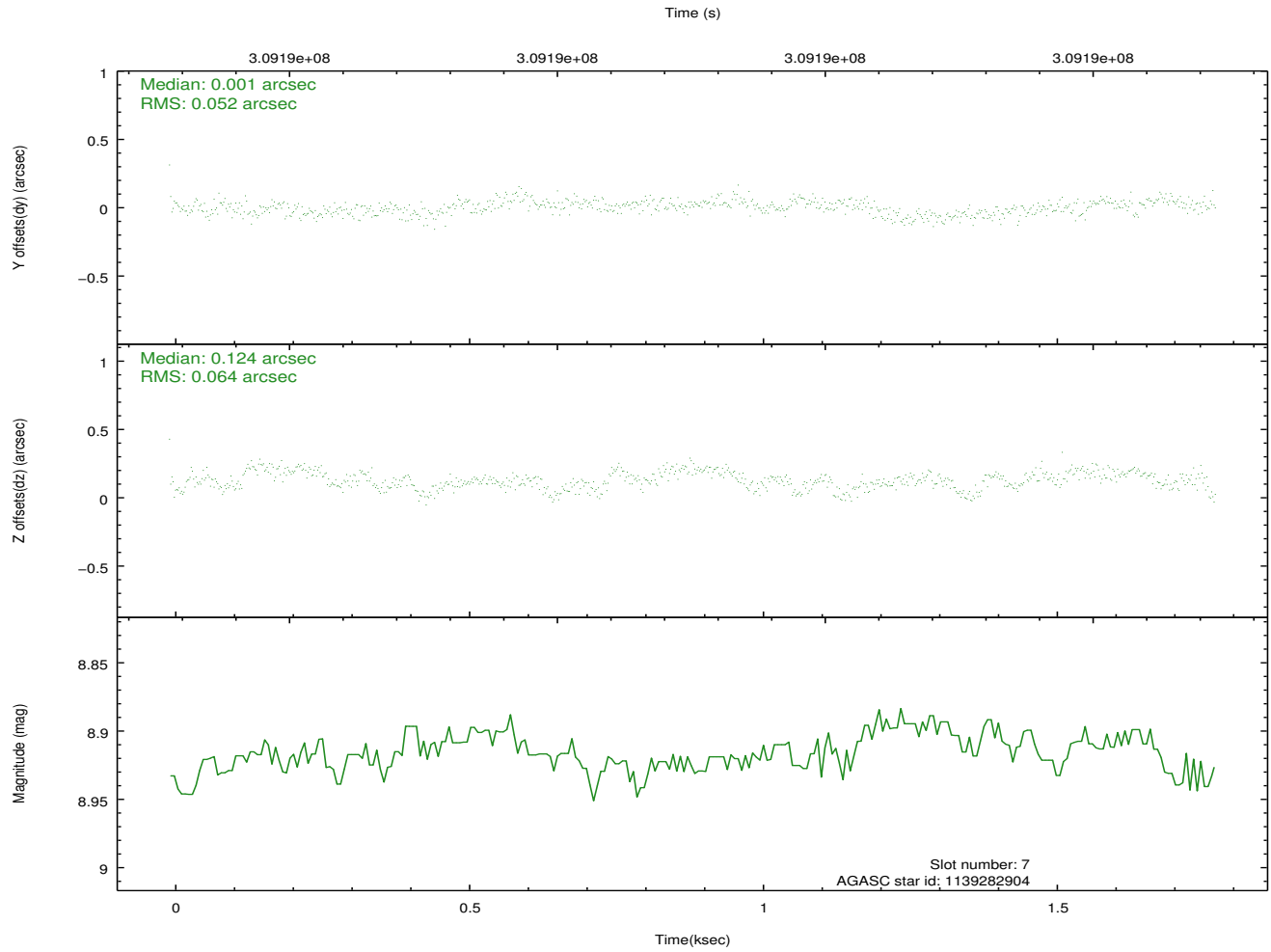
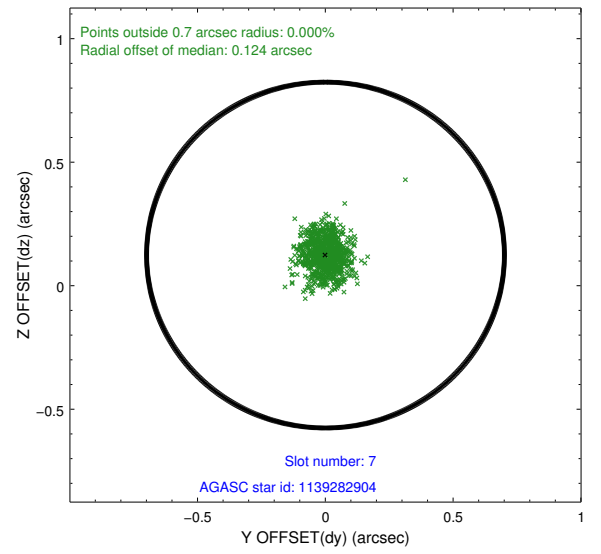
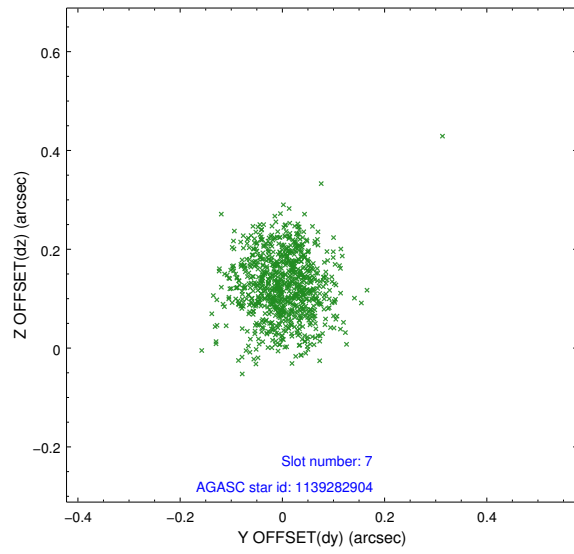
### 2.4.3 Slot 5



## 2.4.4 Slot 6

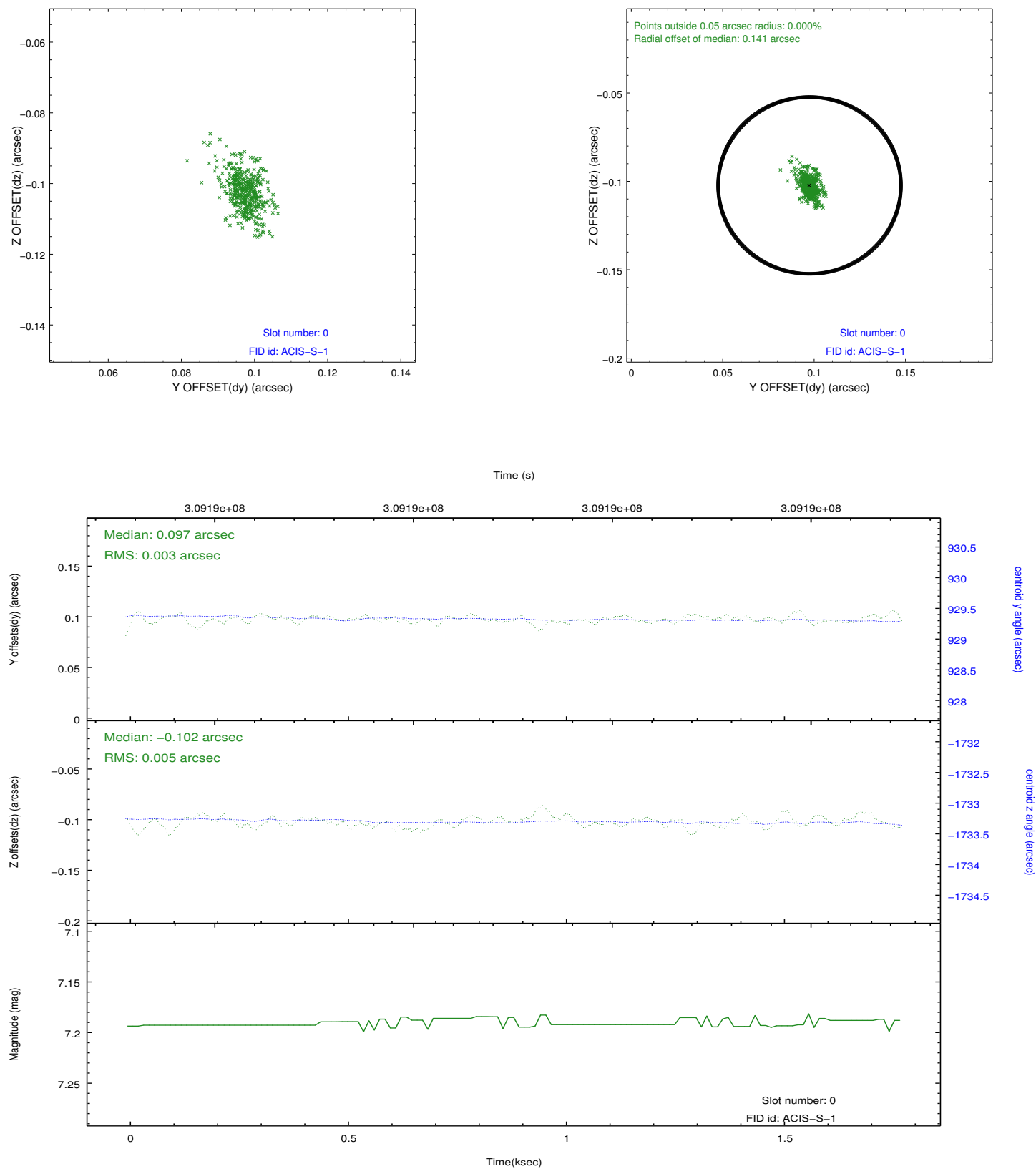


## 2.4.5 Slot 7

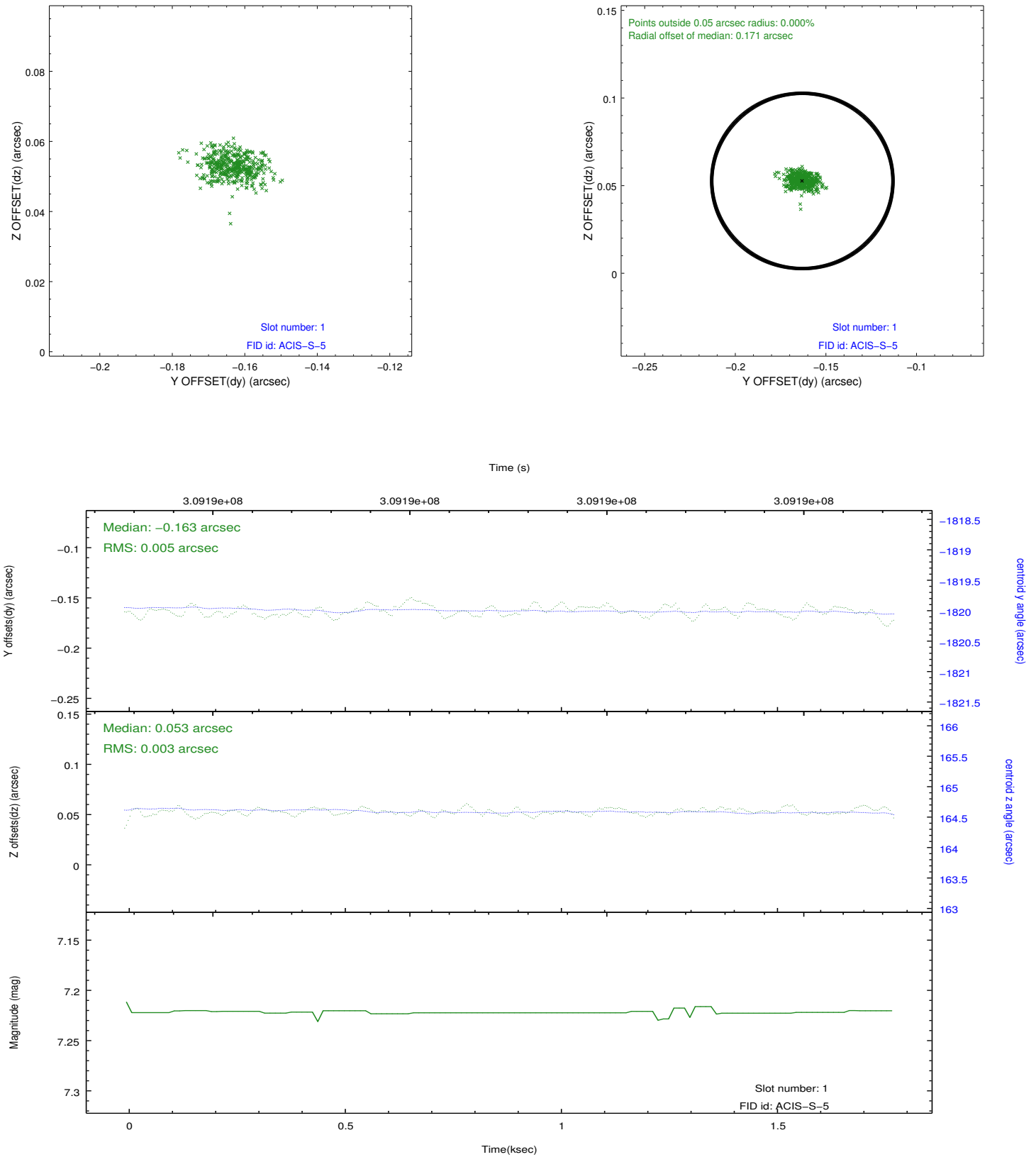


## 2.5 FID Slots

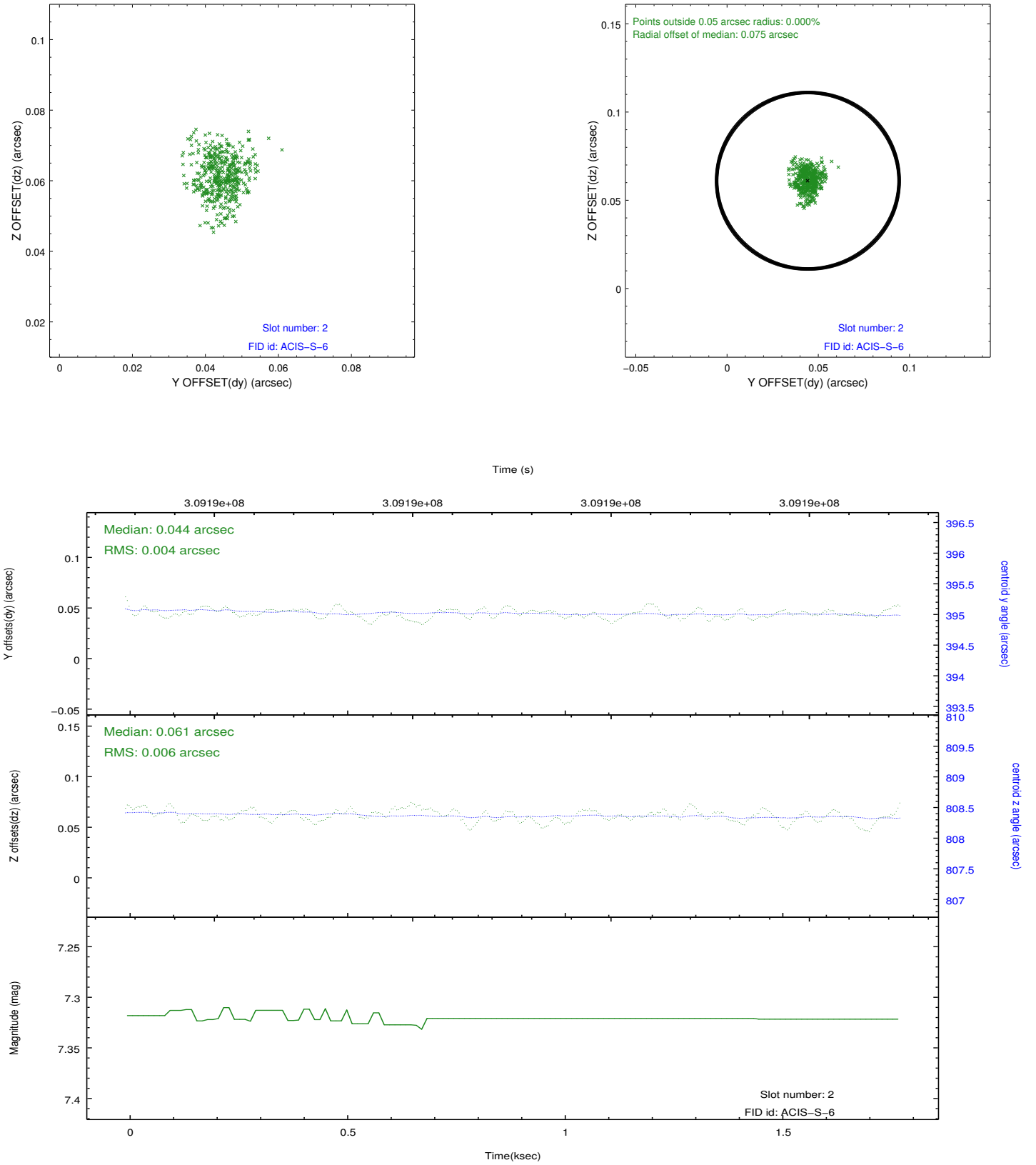
### 2.5.1 Slot 0



## 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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.77599999

### A.2 Comments