

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 12736 - L2 Version 1  
Chandra X-Ray Center

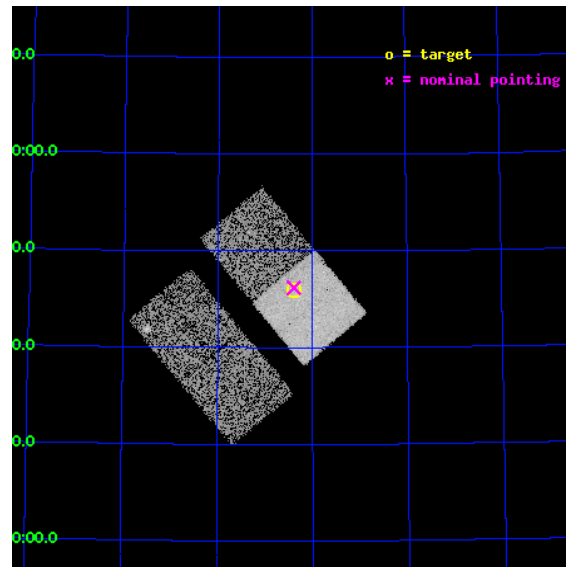
L2 Processing Date : Jan 2 2012

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# 1 Front

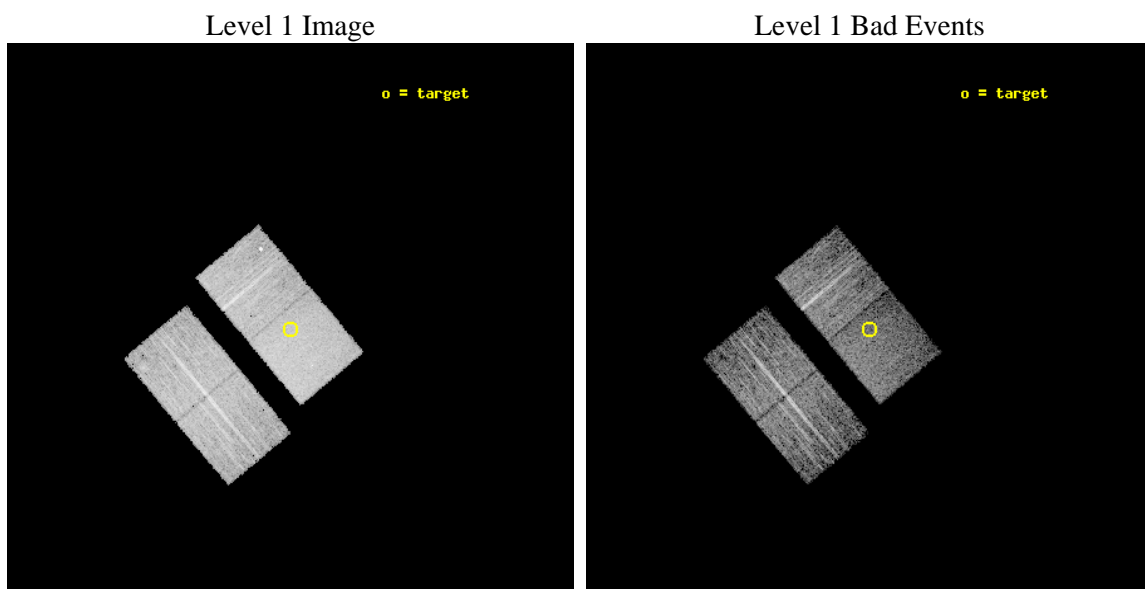
seq_num	702372	Sequence number
obs_id	12736	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 314.1	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.59625	Observer's specified target RA [deg]
dec_targ	70.764833	Observer's specified target Dec [deg]
ra_nom	227.59857801376	Nominal RA [deg]
dec_nom	70.769655911195	Nominal Dec [deg]
roll_nom	50.146892606551	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8053.2201734781	Sum of GTIs [s]
livetime	7947.9989232172	Livetime [s]
ontime2	8053.0970534682	Sum of GTIs [s]
ontime3	8053.1380934715	Sum of GTIs [s]
ontime6	8053.1791334748	Sum of GTIs [s]
ontime7	8053.2201734781	Sum of GTIs [s]
l2events	41310	Number of level 2 events



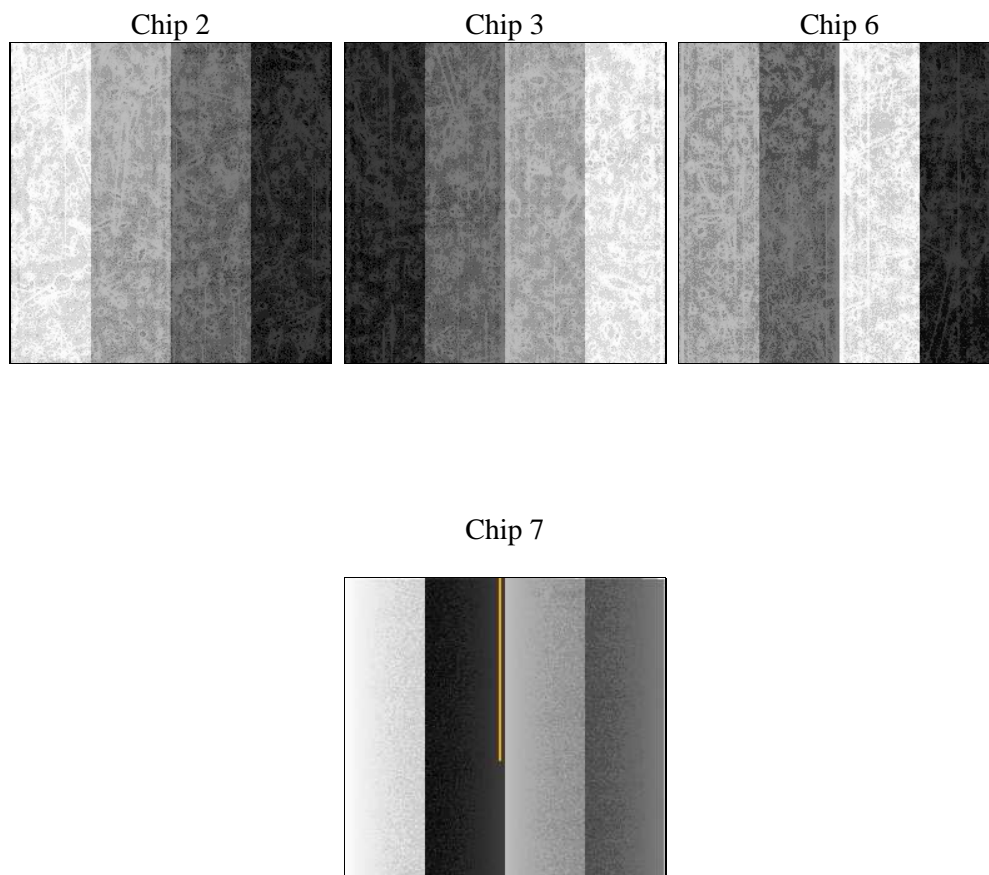
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8053.2201734781	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime2	8053.0970534682	Sum of GTIs [s]
date	2012-01-03T03:53:58	Date and time of file creation	ontime3	8053.1380934715	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8053.1791334748	Sum of GTIs [s]
			ontime7	8053.2201734781	Sum of GTIs [s]
			l1events	215402	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	50994	47604	52812	63992
rejected events	45460	42449	46632	36120
rejected %	89%	89%	88%	56%

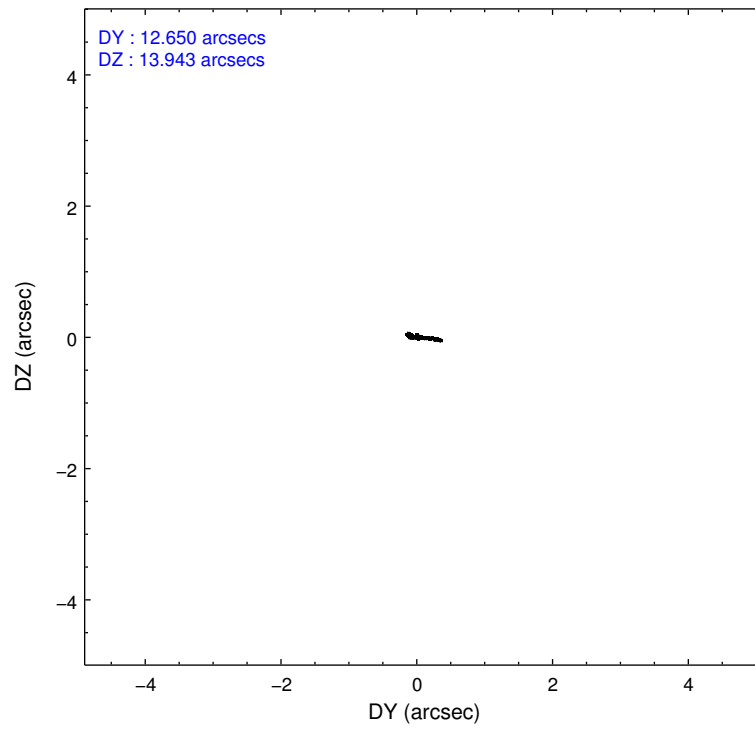
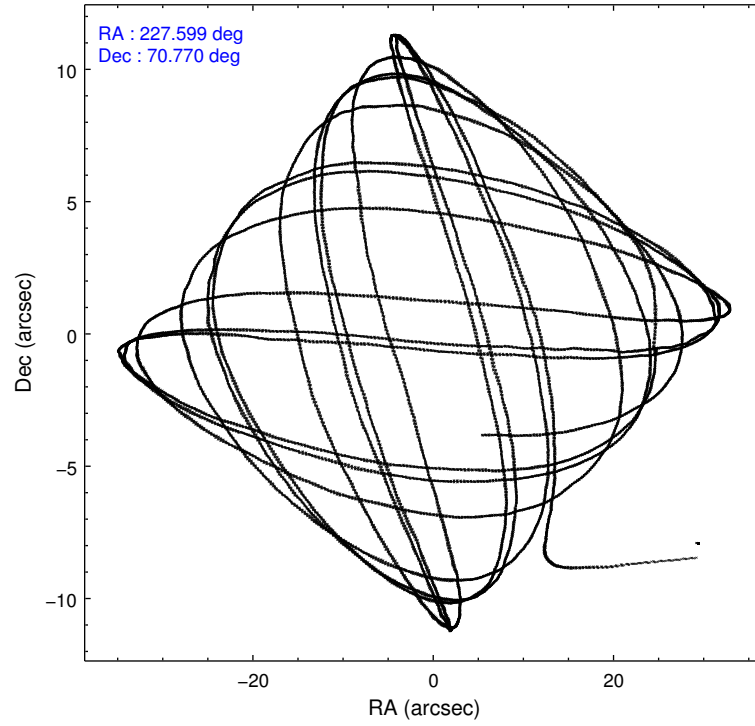
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2111	1879	2411	2401
	4%	3%	4%	3%
grade 1 events	25	25	34	73
	0%	0%	0%	0%
grade 2 events	1205	1060	1289	5630
	2%	2%	2%	8%
grade 3 events	602	579	535	2307
	1%	1%	1%	3%
grade 4 events	603	573	544	2229
	1%	1%	1%	3%
grade 5 events	1989	2260	2331	6280
	3%	4%	4%	9%
grade 6 events	1016	1067	1403	15318
	1%	2%	2%	23%
grade 7 events	43443	40161	44265	29754
	85%	84%	83%	46%

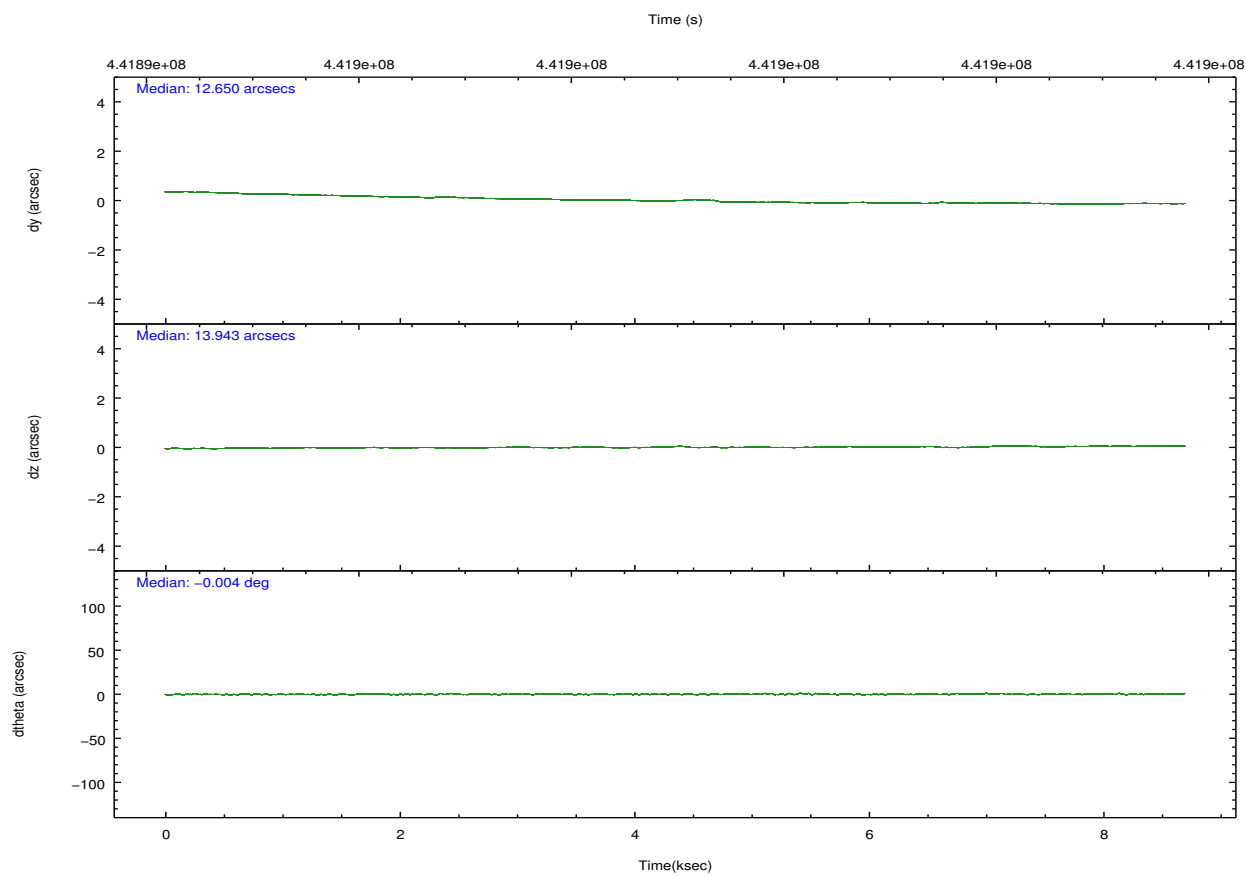
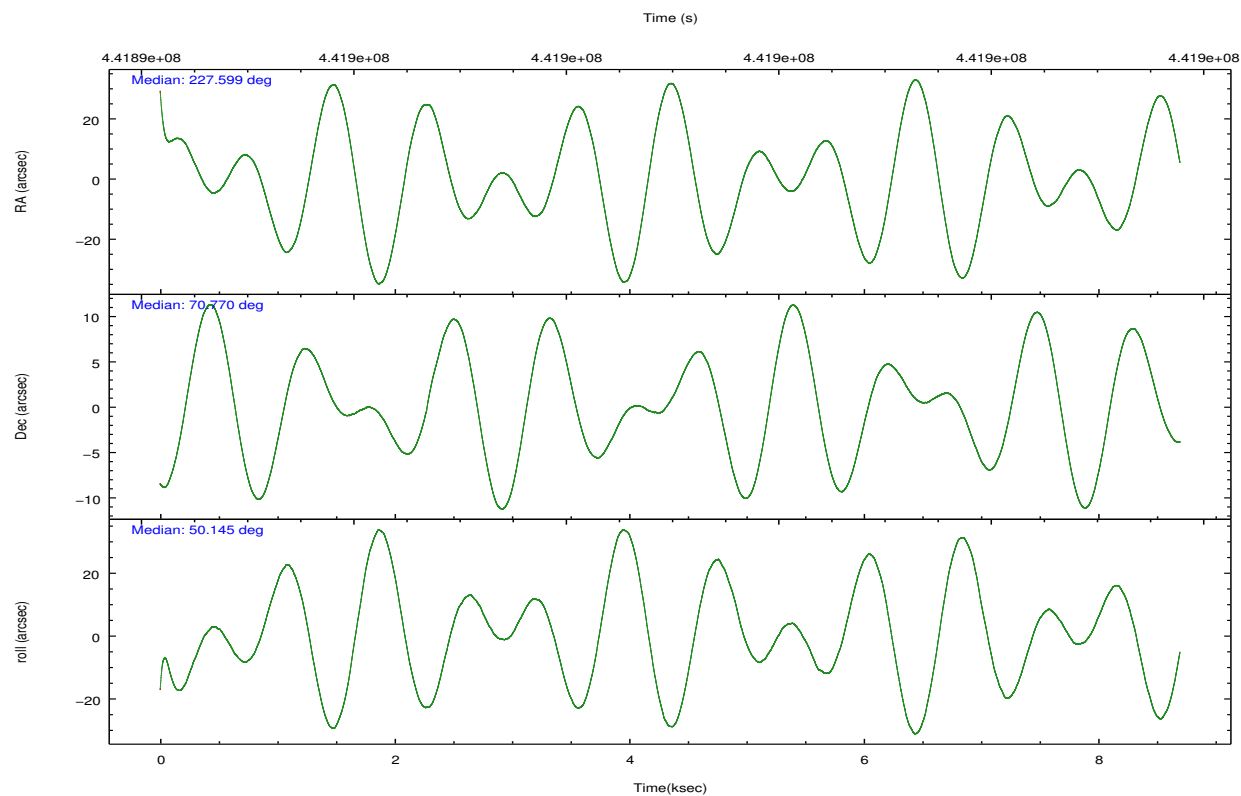


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	227.585276	227.5985780137584	CCD I2 on	O1	Y
[deg] Pointing Dec	70.742628	70.76965591119543	CCD I3 on	O2	Y
[deg] Pointing Roll	50.002807	50.14689260655084	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	N	N
[s] Observation start time (MET)	441895316.184000	441893807.85272	CCD S5 on	N	N
Observation start date	2012-01-02T12:40:50	2012-01-02T12:16:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	441903316.184000	441904060.92826	On-chip summing requested	N	N
Observation end date	2012-01-02T14:54:10	2012-01-02T15:07:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



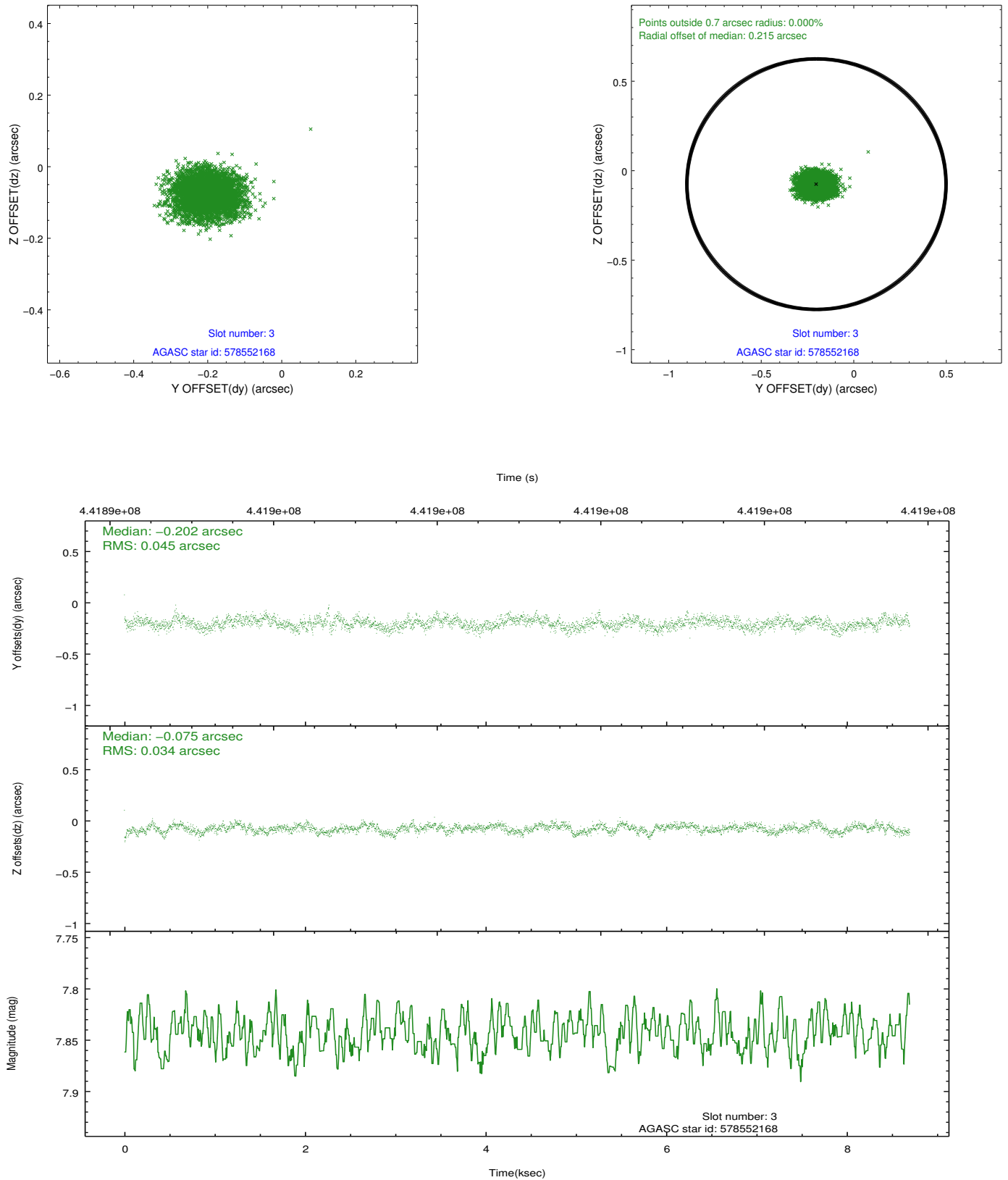


### Slot Statistics

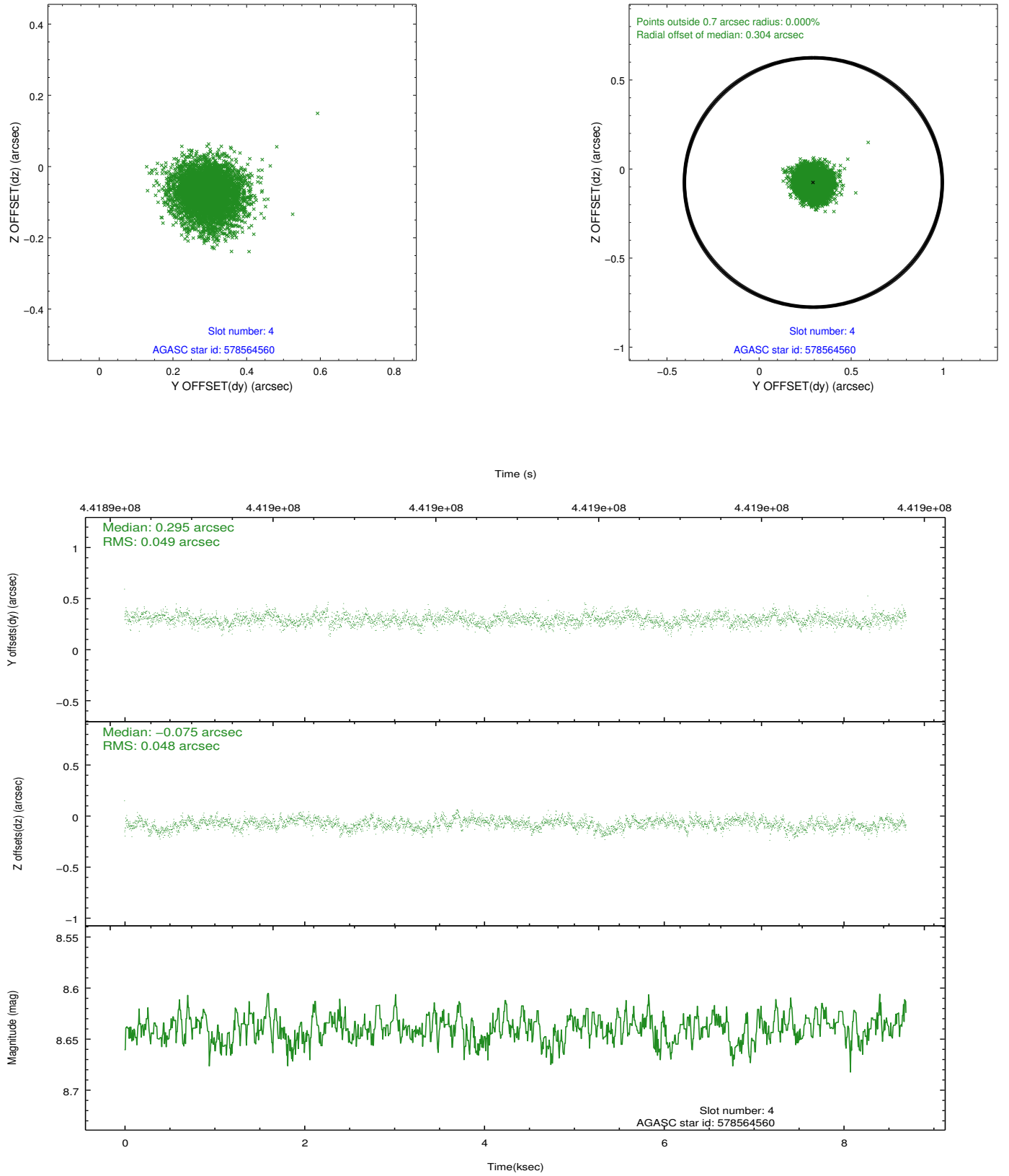
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.03	2122	-0.054	-0.063	0.007	0.012	0.000000	0.000000	-765.64	-1735.36
1	FID	ACIS-S-4	7.11	2120	0.224	0.043	0.009	0.016	0.000000	0.000000	2147.63	172.57
2	FID	ACIS-S-5	7.16	2122	-0.201	0.028	0.008	0.015	0.000000	0.000000	-1817.82	166.95
3	GUIDE	578552168	7.84	4242	-0.202	-0.075	0.060	0.098	228.383533	71.344409	2254.69	692.61
4	GUIDE	578564560	8.64	4243	0.295	-0.075	0.073	0.116	226.750874	70.443637	-1464.93	83.34
5	GUIDE	578564776	7.75	4243	-0.054	-0.045	0.089	0.140	226.220223	70.765760	-963.53	1304.97
6	GUIDE	578565112	7.82	4243	-0.077	-0.073	0.070	0.117	225.042614	70.614130	-2258.02	2071.75
7	GUIDE	578166640	8.45	4199	0.033	0.276	0.071	0.116	227.998824	69.870945	-2073.39	-2407.54

## 2.4 Star Slots

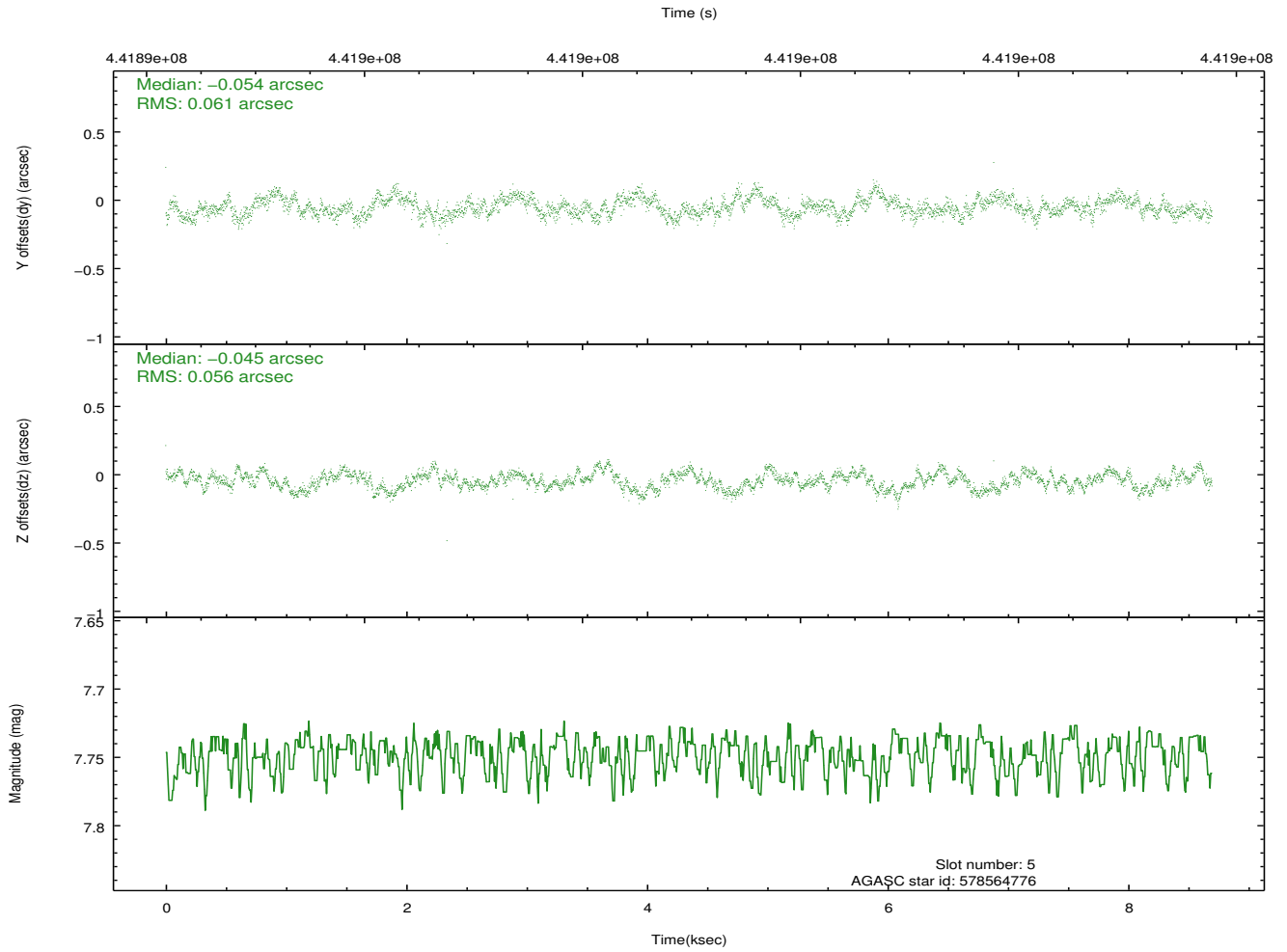
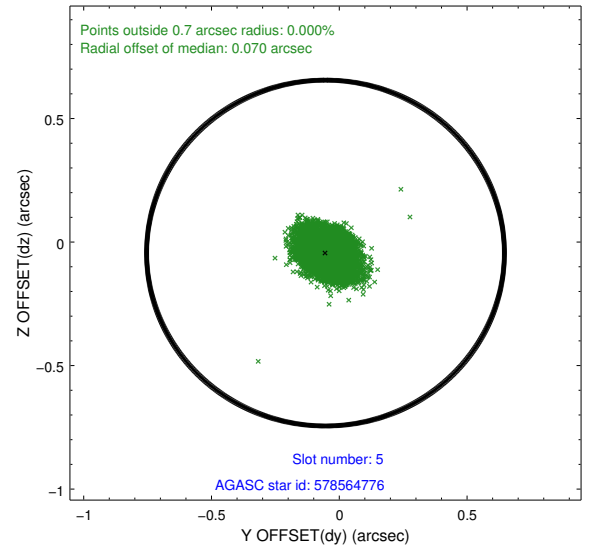
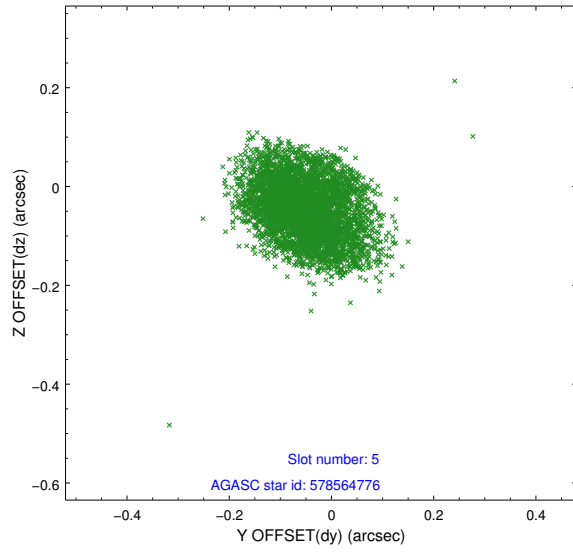
### 2.4.1 Slot 3



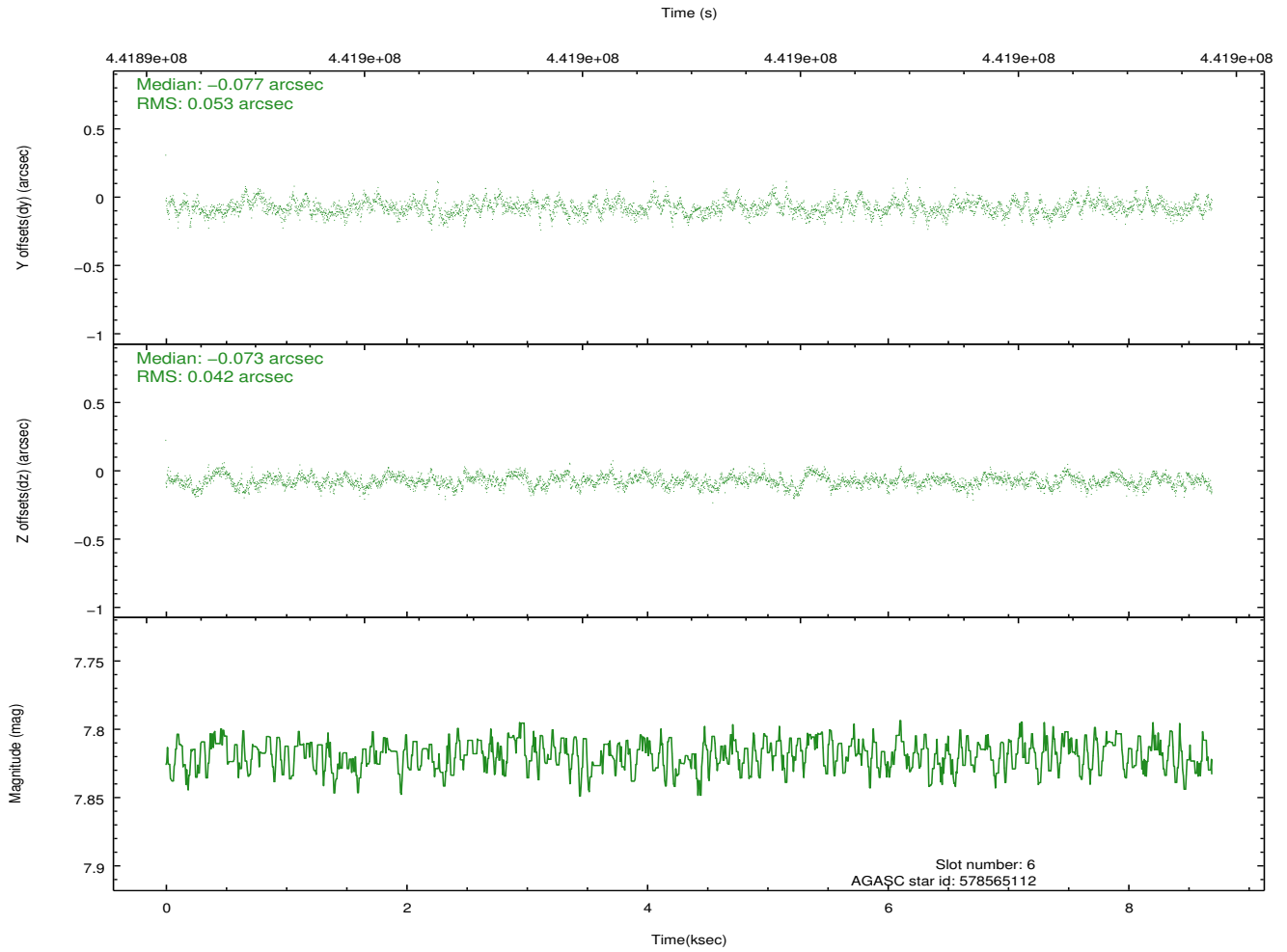
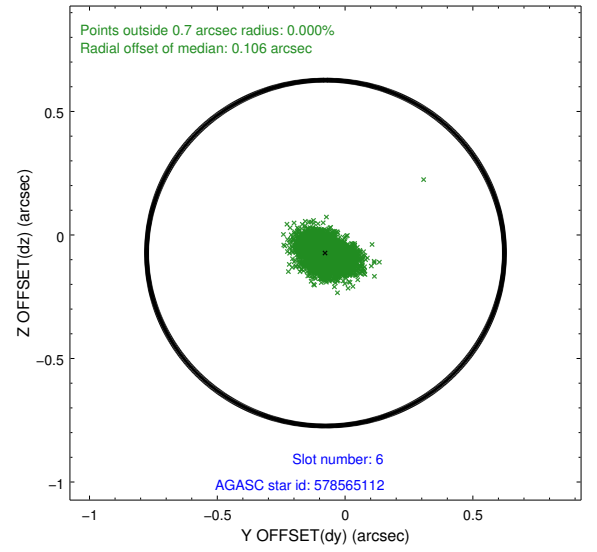
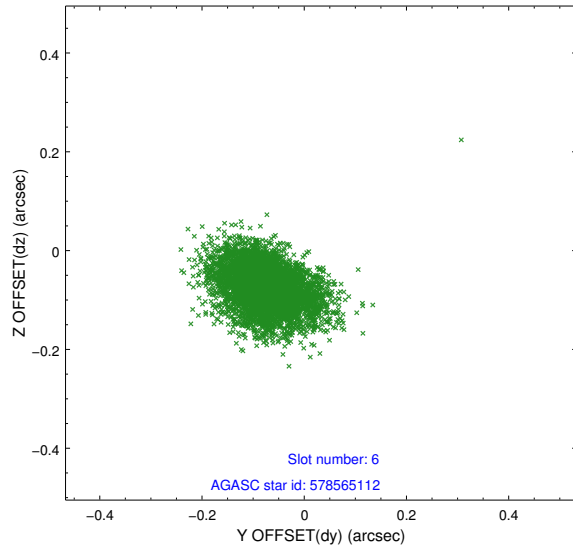
## 2.4.2 Slot 4



### 2.4.3 Slot 5

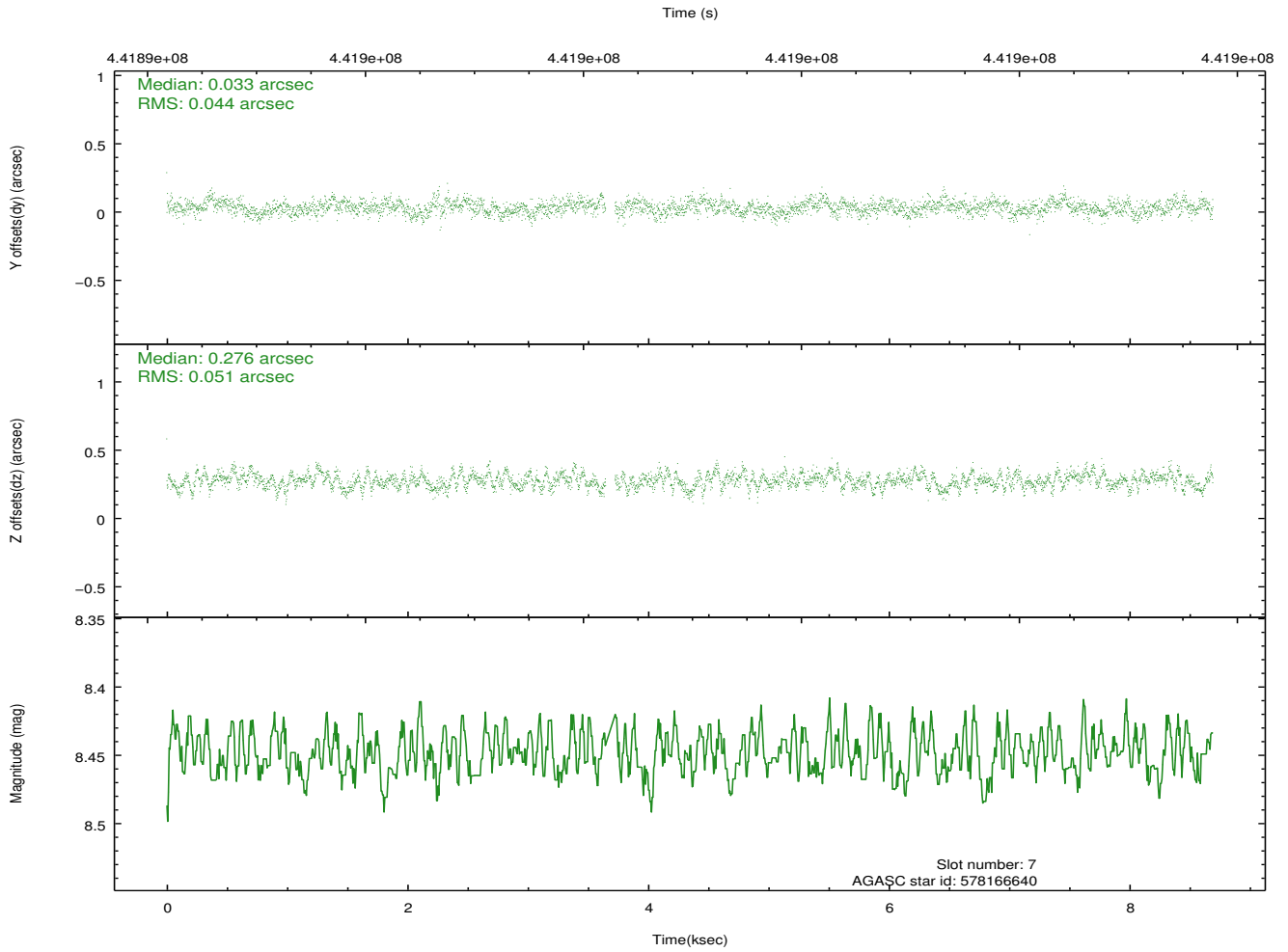
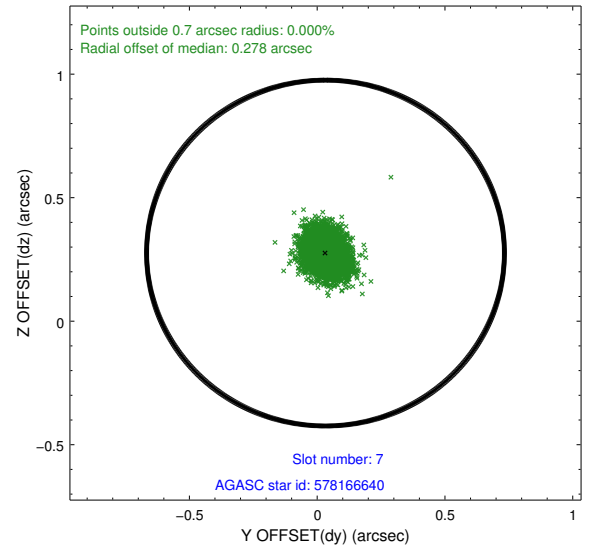
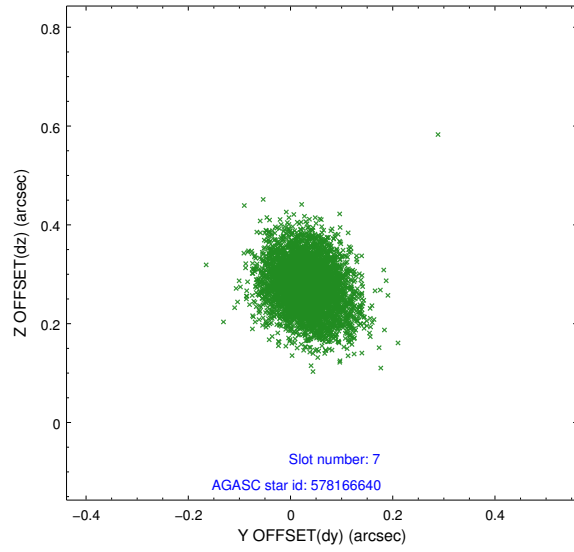


## 2.4.4 Slot 6



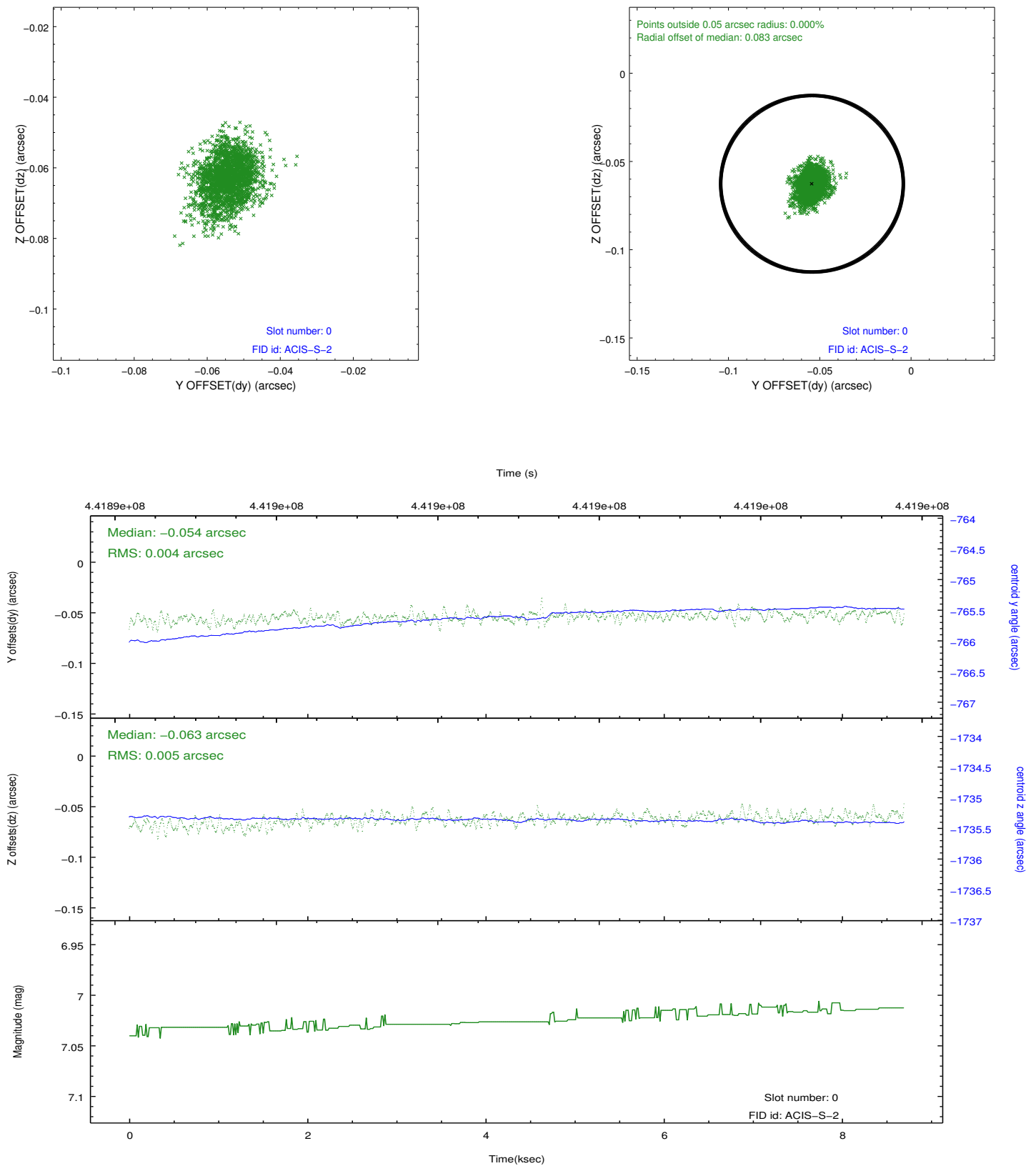


## 2.4.5 Slot 7

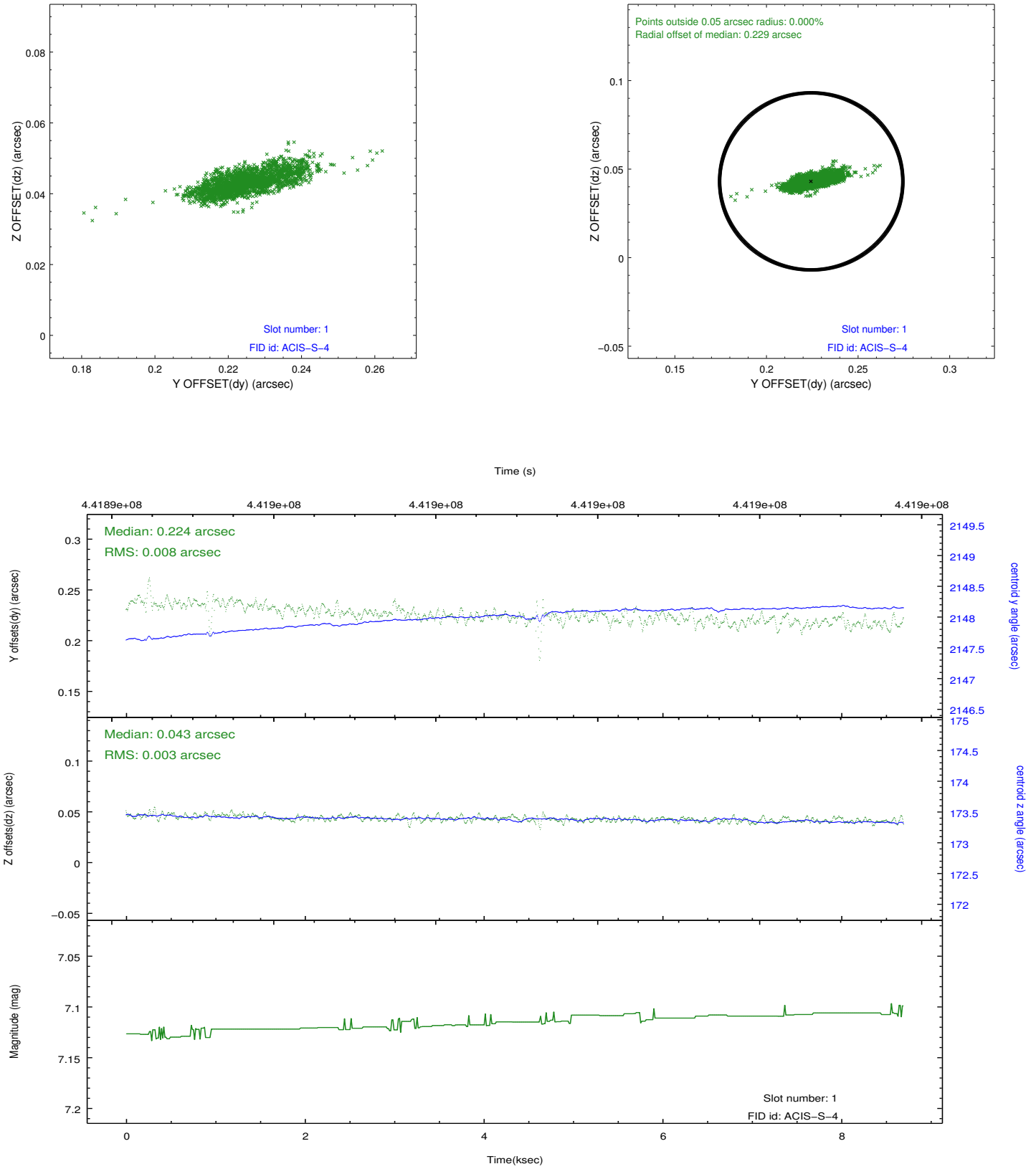


## 2.5 FID Slots

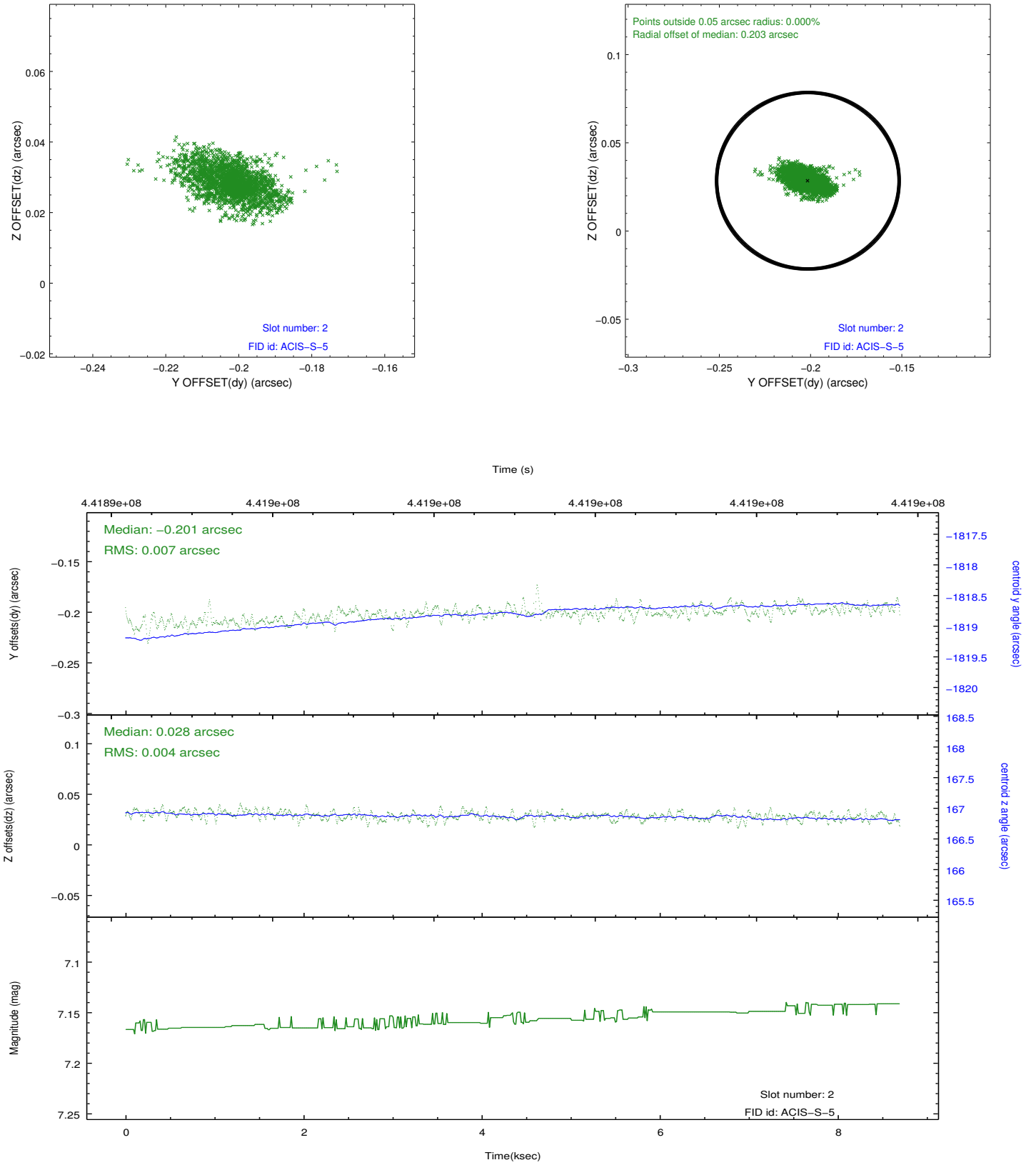
### 2.5.1 Slot 0



## 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)	2012.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0532201734781

### A.2 Comments