

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7555 - L2 Version 3  
Chandra X-Ray Center

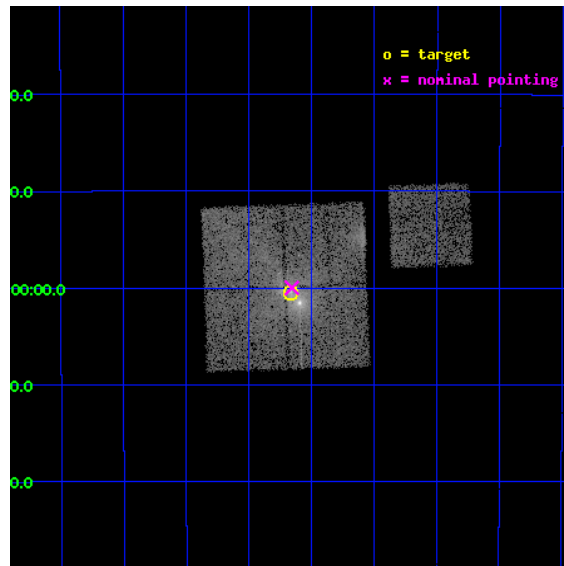
L2 Processing Date : Apr 22 2012

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# 1 Front

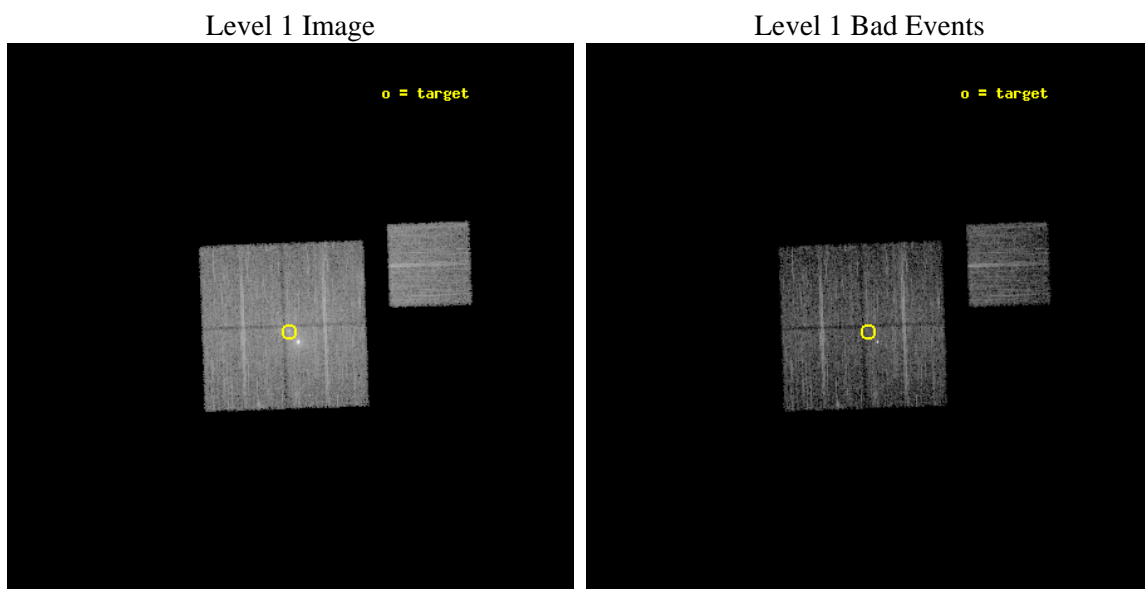
seq_num	400665	Sequence number
obs_id	7555	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41413852028	Nominal RA [deg]
dec_nom	-29.000014942182	Nominal Dec [deg]
roll_nom	87.952497417851	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5152.2000396252	Sum of GTIs [s]
livetime	5084.882753113	Livetime [s]
ontime0	5152.2000396252	Sum of GTIs [s]
ontime1	5152.2000396252	Sum of GTIs [s]
ontime2	5149.0590394139	Sum of GTIs [s]
ontime3	5152.2000396252	Sum of GTIs [s]
ontime6	5152.2000396252	Sum of GTIs [s]
l2events	57246	Number of level 2 events



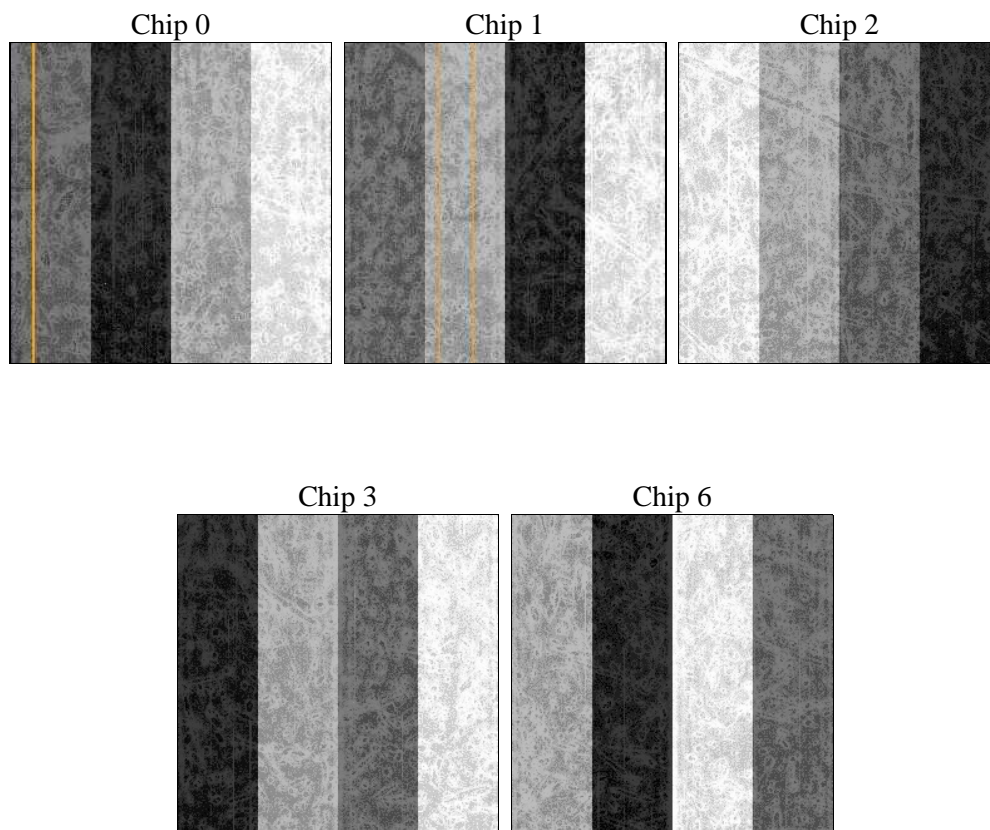
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5152.2000396252	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	5152.2000396252	Sum of GTIs [s]
date	2012-04-22T04:22:57	Date and time of file creation	ontime1	5152.2000396252	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5149.0590394139	Sum of GTIs [s]
			ontime3	5152.2000396252	Sum of GTIs [s]
			ontime6	5152.2000396252	Sum of GTIs [s]
			l1events	275930	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	53377	52062	56338	63687	50466
rejected events	39952	40502	44387	44846	43448
rejected %	74%	77%	78%	70%	86%

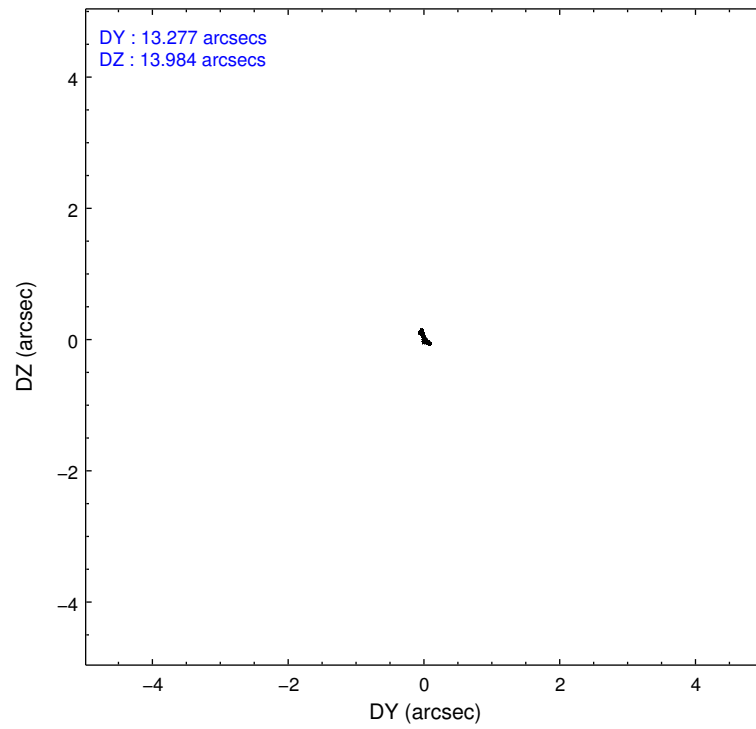
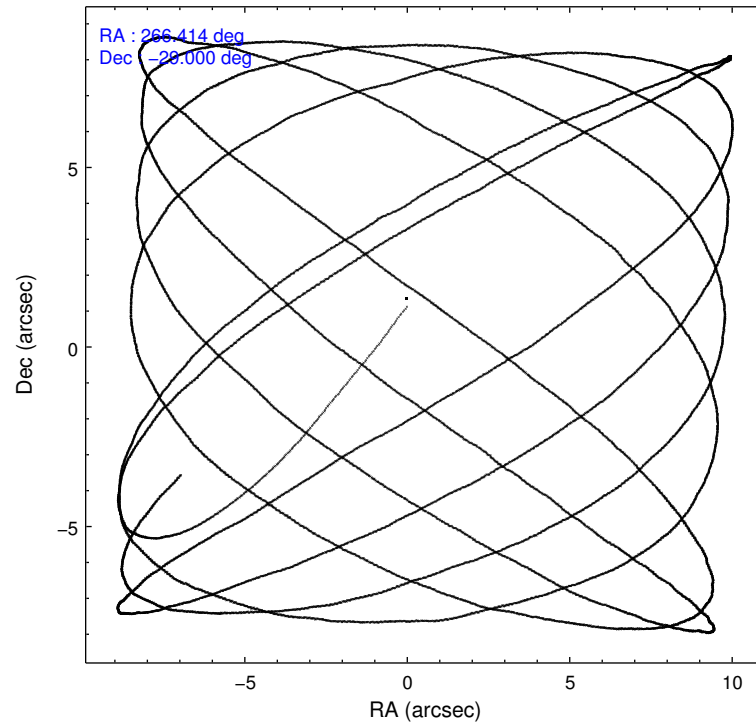
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7927	6068	6954	11218	3233
	14%	11%	12%	17%	6%
grade 1 events	76	45	77	249	23
	0%	0%	0%	0%	0%
grade 2 events	2405	2241	1942	3093	1462
	4%	4%	3%	4%	2%
grade 3 events	907	898	864	1303	632
	1%	1%	1%	2%	1%
grade 4 events	853	886	855	1308	579
	1%	1%	1%	2%	1%
grade 5 events	2016	2150	2023	2563	2303
	3%	4%	3%	4%	4%
grade 6 events	1535	1652	1527	2267	1218
	2%	3%	2%	3%	2%
grade 7 events	37658	38122	42096	41686	41016
	70%	73%	74%	65%	81%

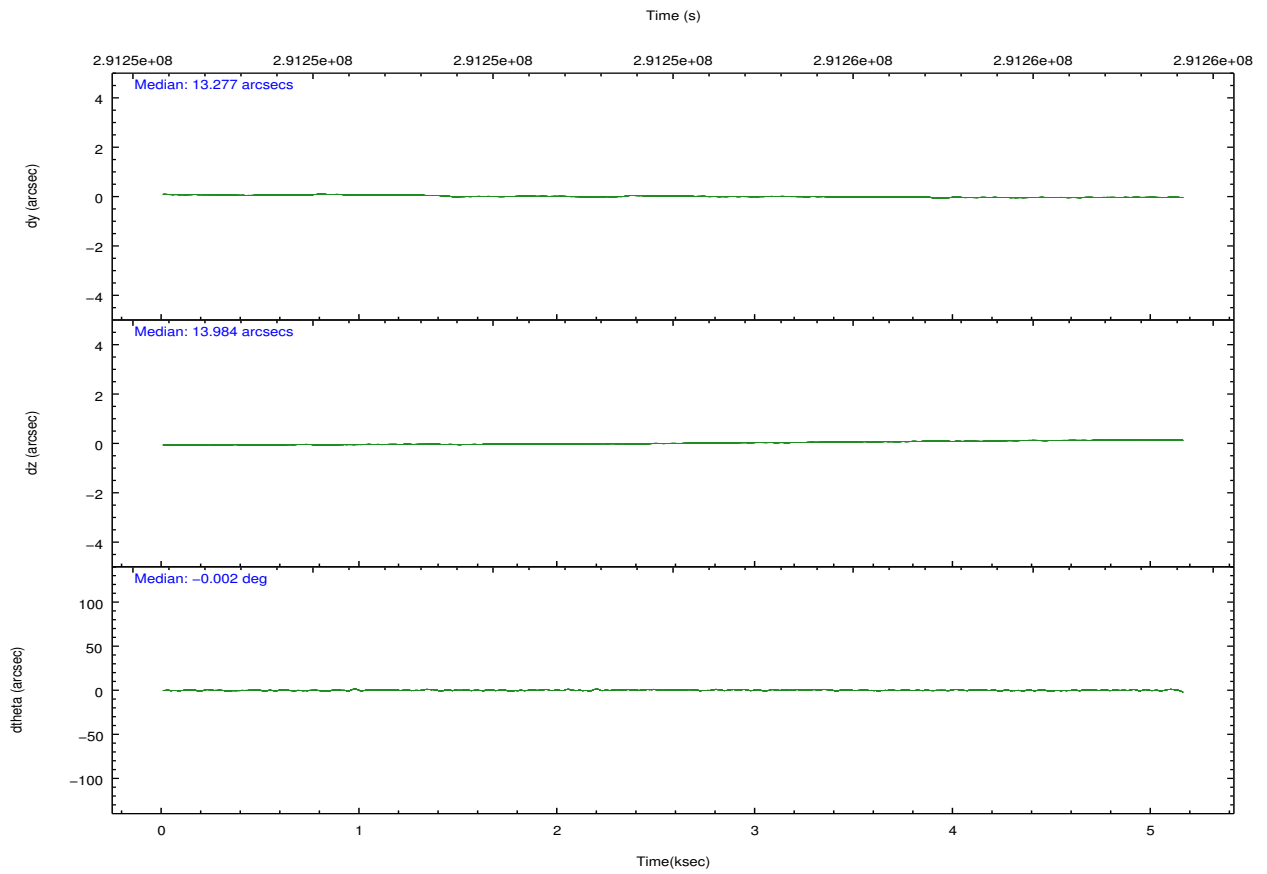
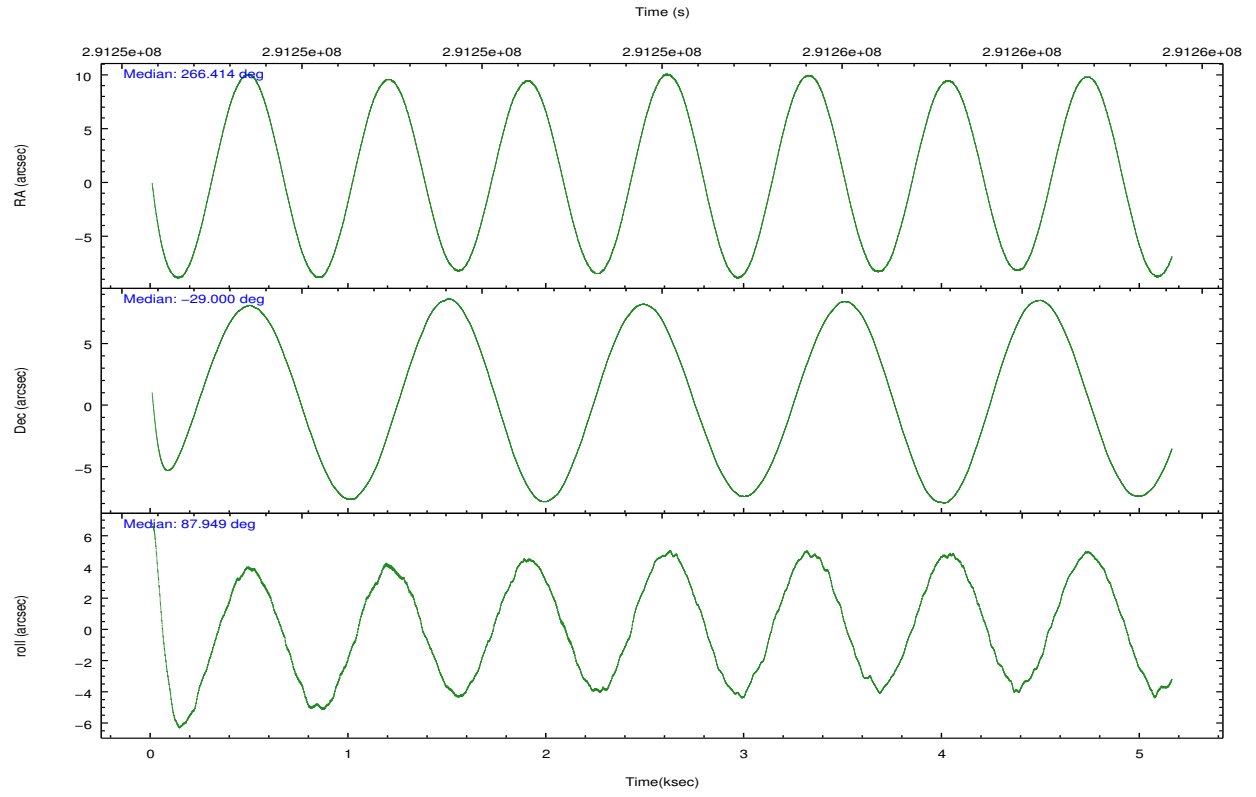


## 2.2 Compared Parameters

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.429085	266.4141385202844	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.024217	-29.00001494218168	CCD I3 on	Y	Y
[deg] Pointing Roll	87.751044	87.95249741785138	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	291251589.184000	291250567.91201	CCD S5 on	N	N
Observation start date	2007-03-25T23:12:04	2007-03-25T22:56:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	291256589.184000	291257539.44984	On-chip summing requested	N	N
Observation end date	2007-03-26T00:35:24	2007-03-26T00:52:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



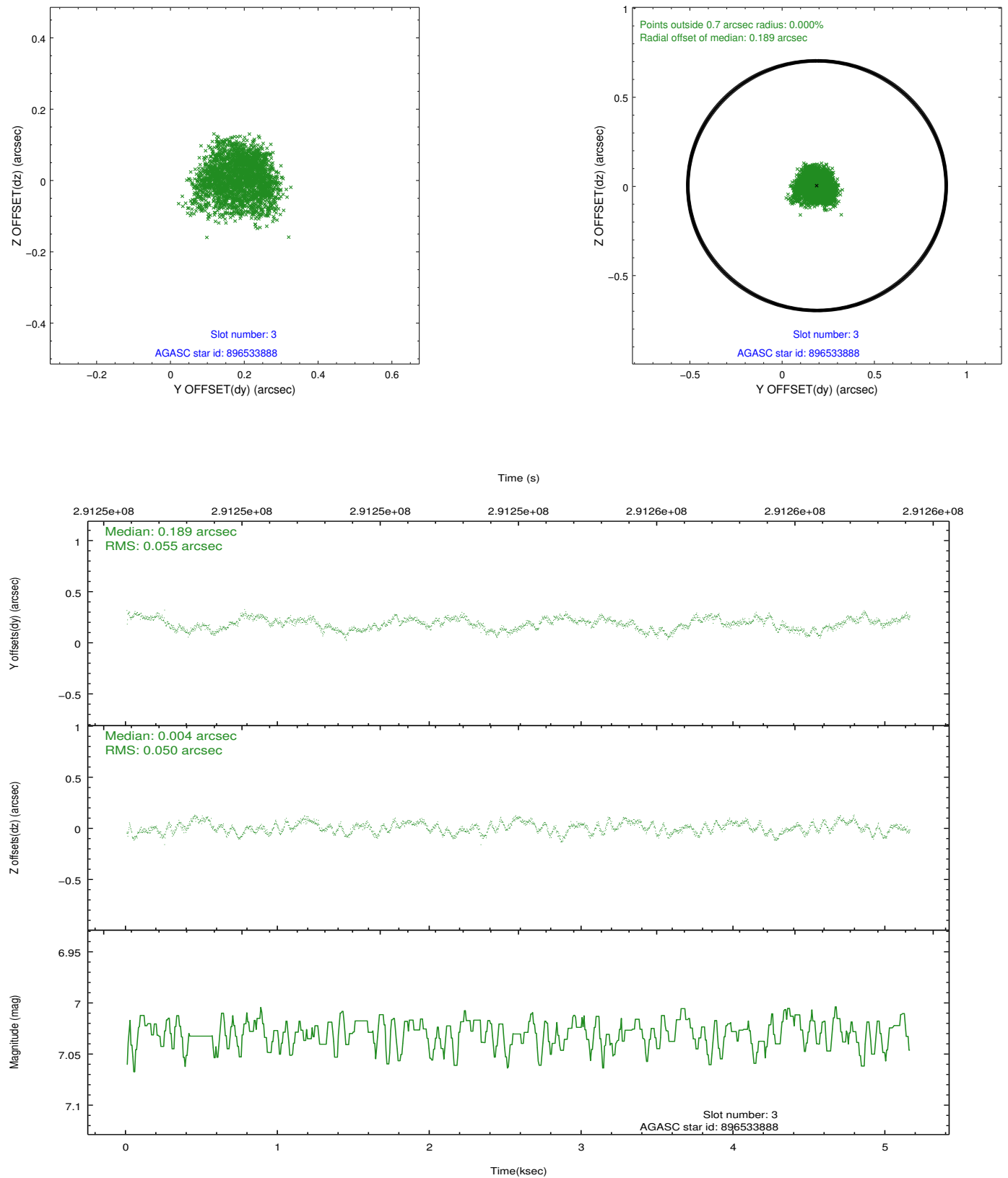


### Slot Statistics

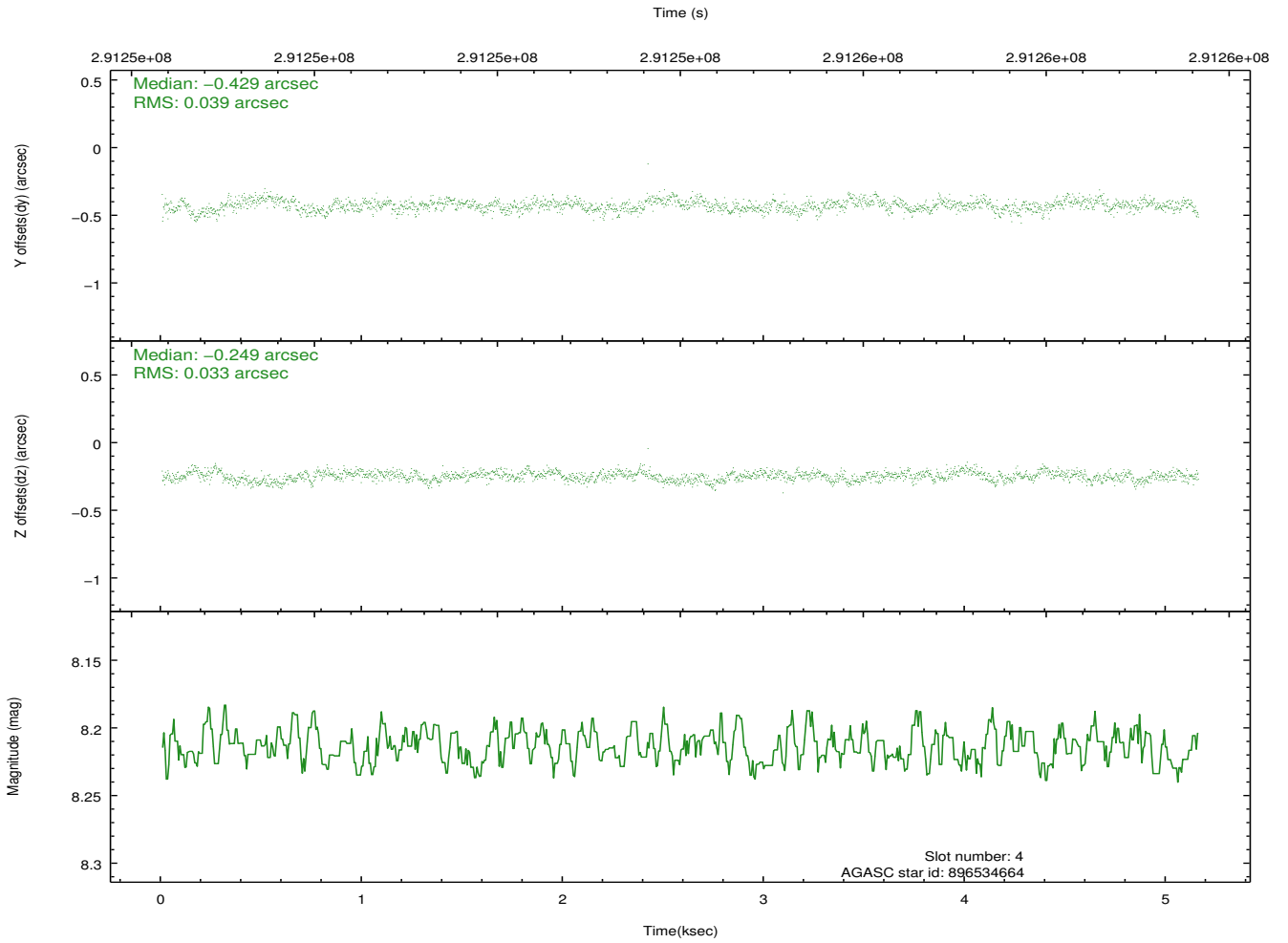
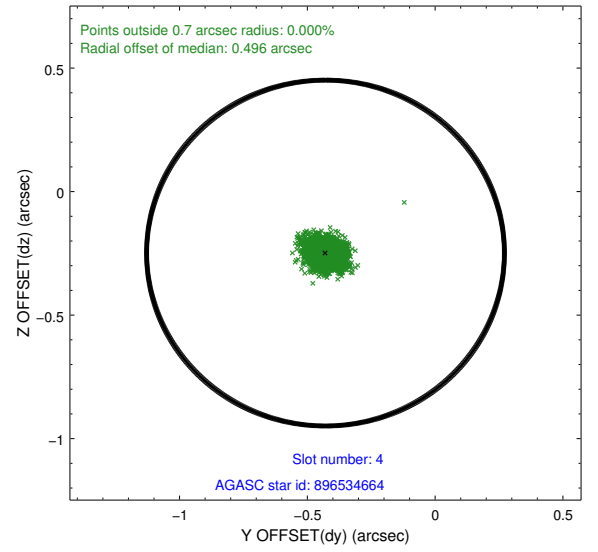
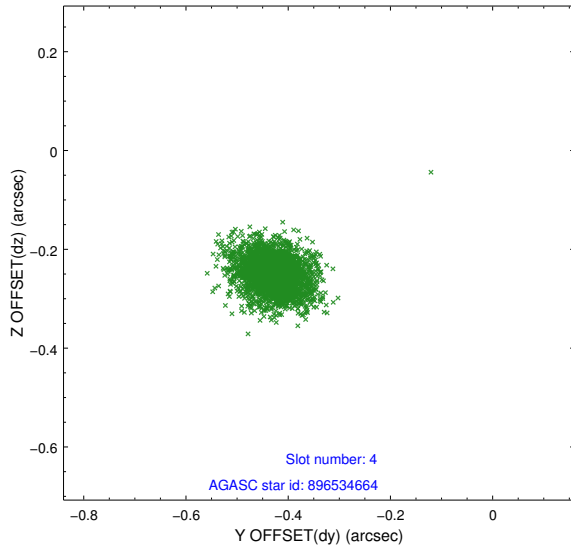
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1258	0.040	0.000	0.006	0.010	0.000000	0.000000	926.27	-837.57
1	FID	ACIS-I-5	7.22	1258	-0.229	0.042	0.006	0.011	0.000000	0.000000	-1821.47	1059.35
2	FID	ACIS-I-6	7.24	1258	0.097	0.027	0.007	0.010	0.000000	0.000000	390.57	1705.19
3	GUIDE	896533888	7.03	2516	0.189	0.004	0.082	0.120	266.666434	-29.392757	-1296.66	-796.24
4	GUIDE	896534664	8.21	2515	-0.429	-0.249	0.053	0.089	266.405570	-28.407461	2215.09	160.95
5	GUIDE	896538208	7.97	2516	-0.084	0.236	0.047	0.079	267.176969	-28.671626	1354.97	-2310.72
6	GUIDE	896537176	8.03	2515	-0.013	-0.009	0.055	0.089	266.498272	-28.678259	1253.91	-170.49
7	GUIDE	896537776	7.53	2514	0.342	0.017	0.058	0.093	266.655684	-29.665673	-2279.09	-799.33

## 2.4 Star Slots

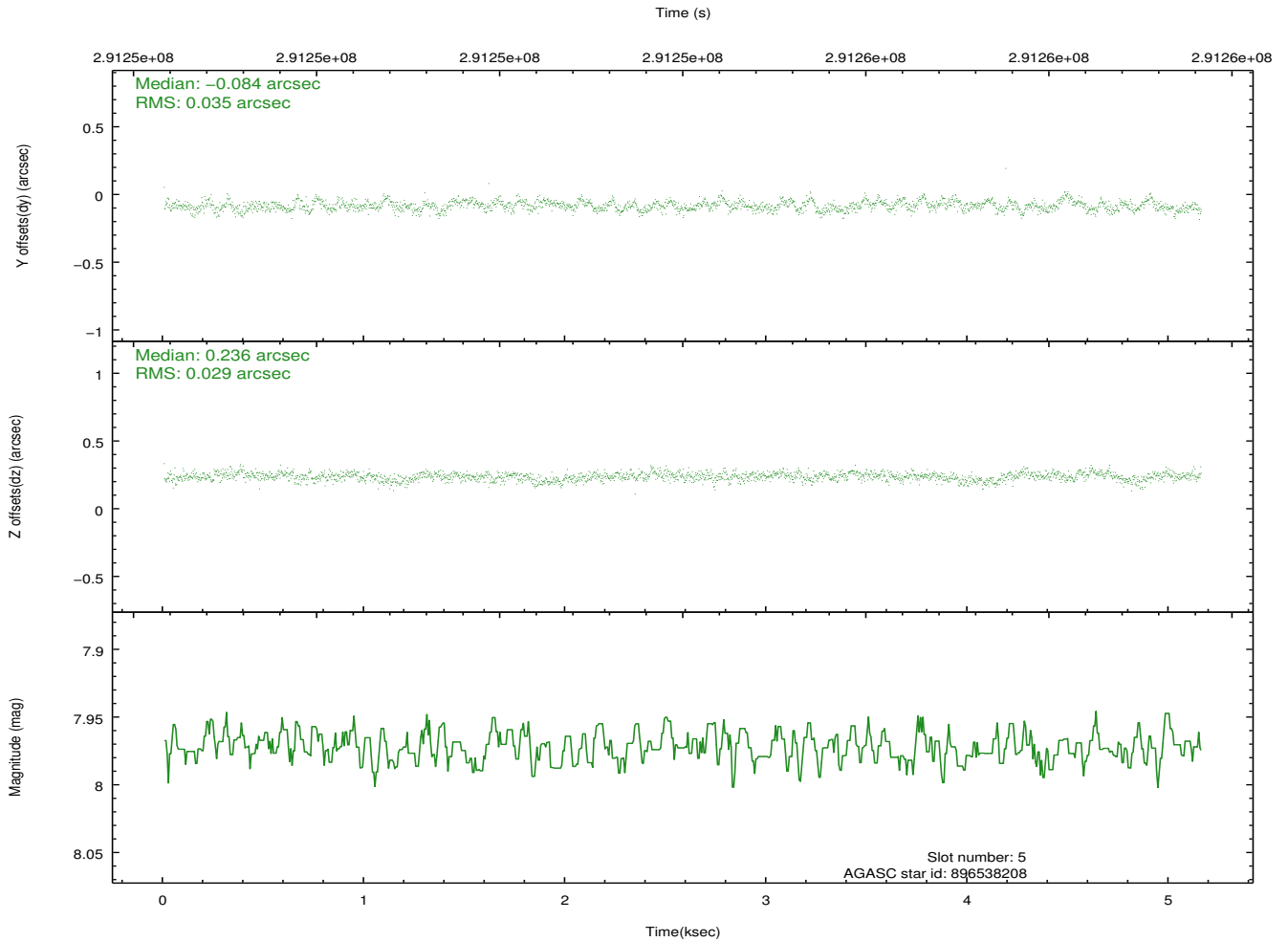
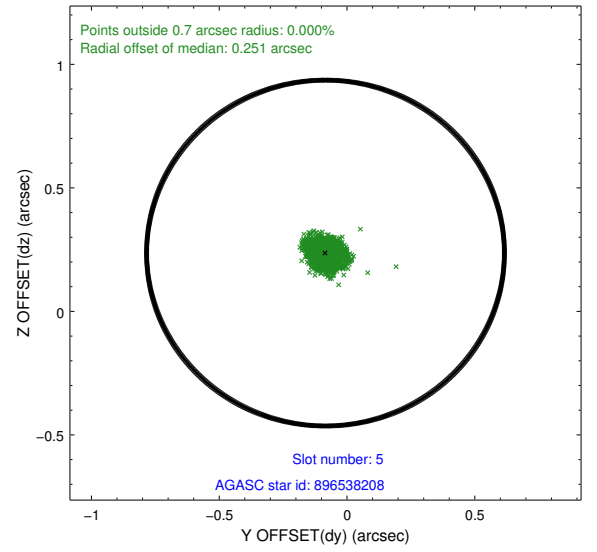
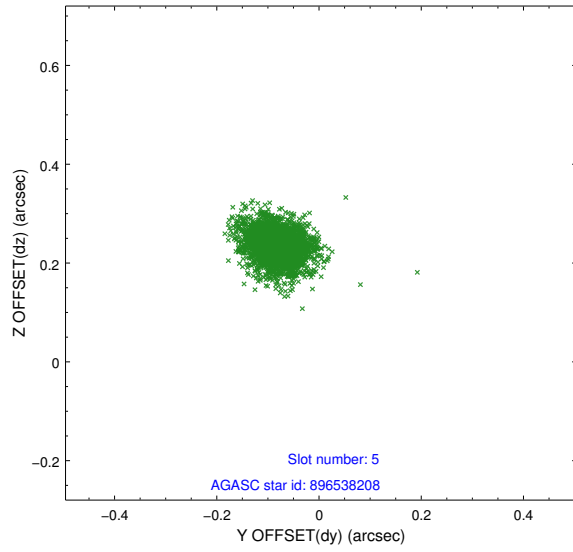
### 2.4.1 Slot 3



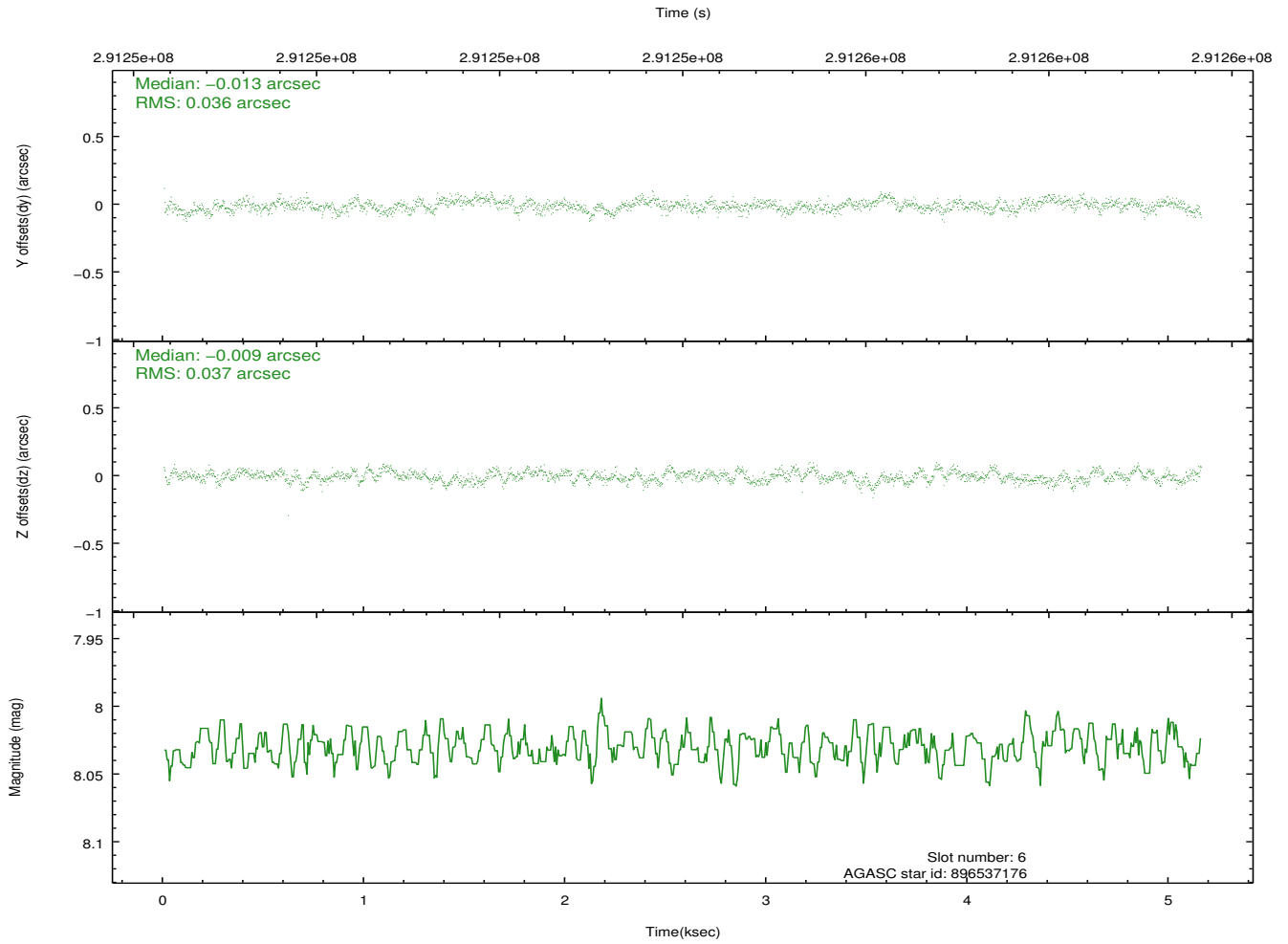
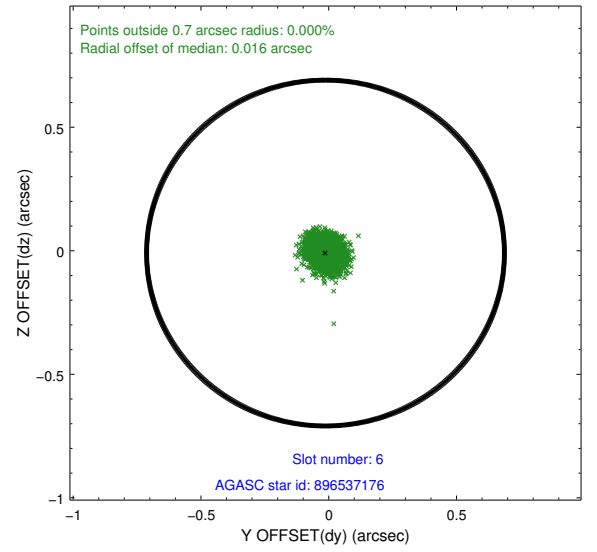
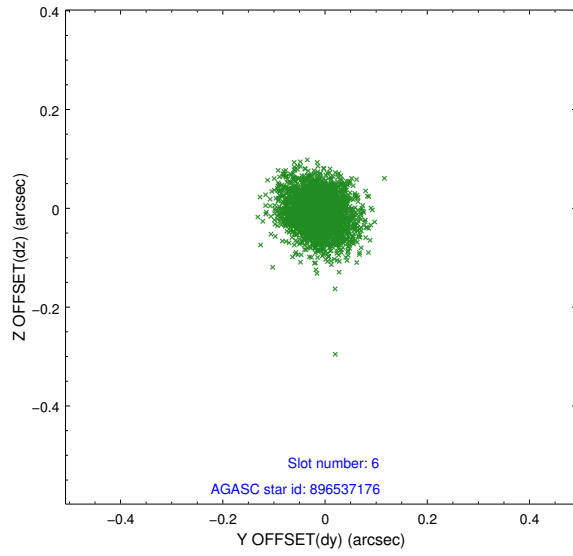
## 2.4.2 Slot 4



### 2.4.3 Slot 5

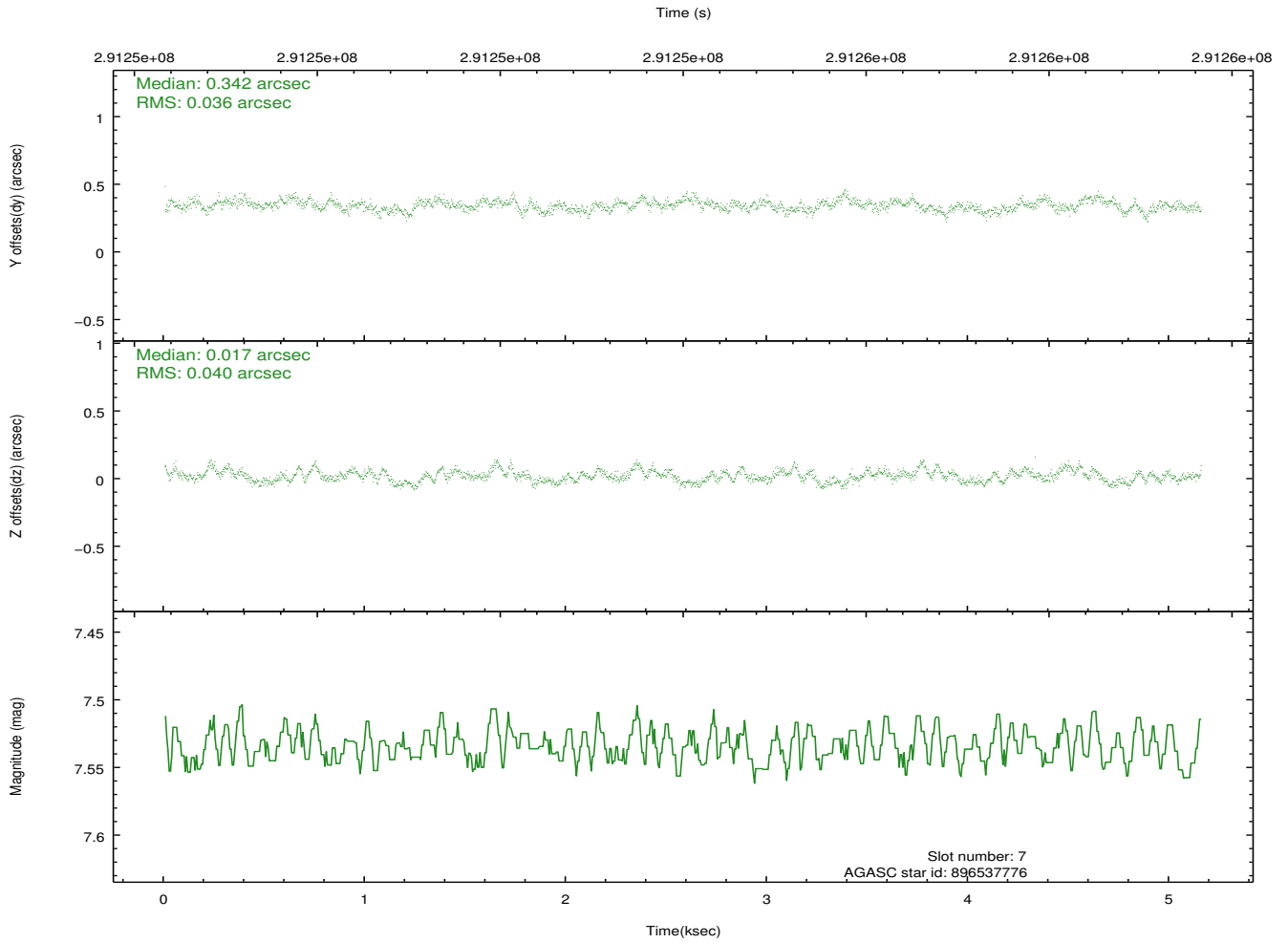
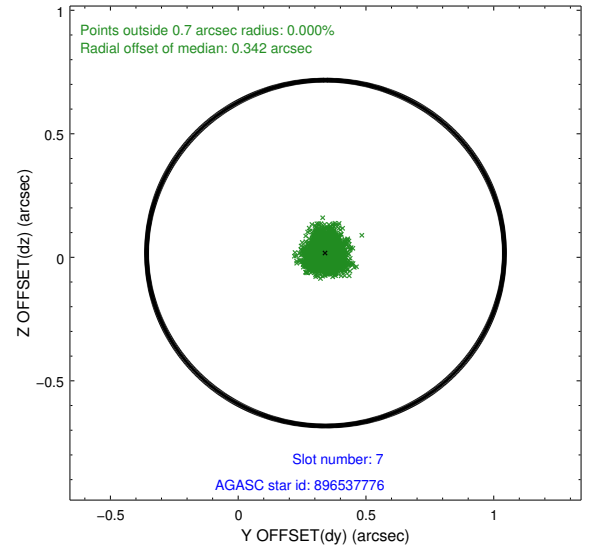
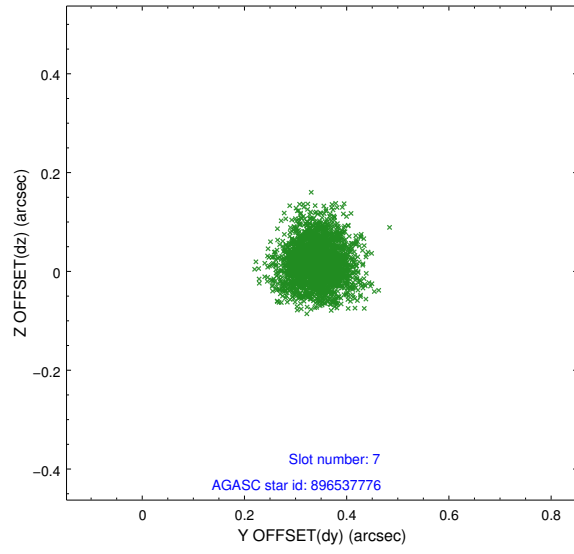


## 2.4.4 Slot 6



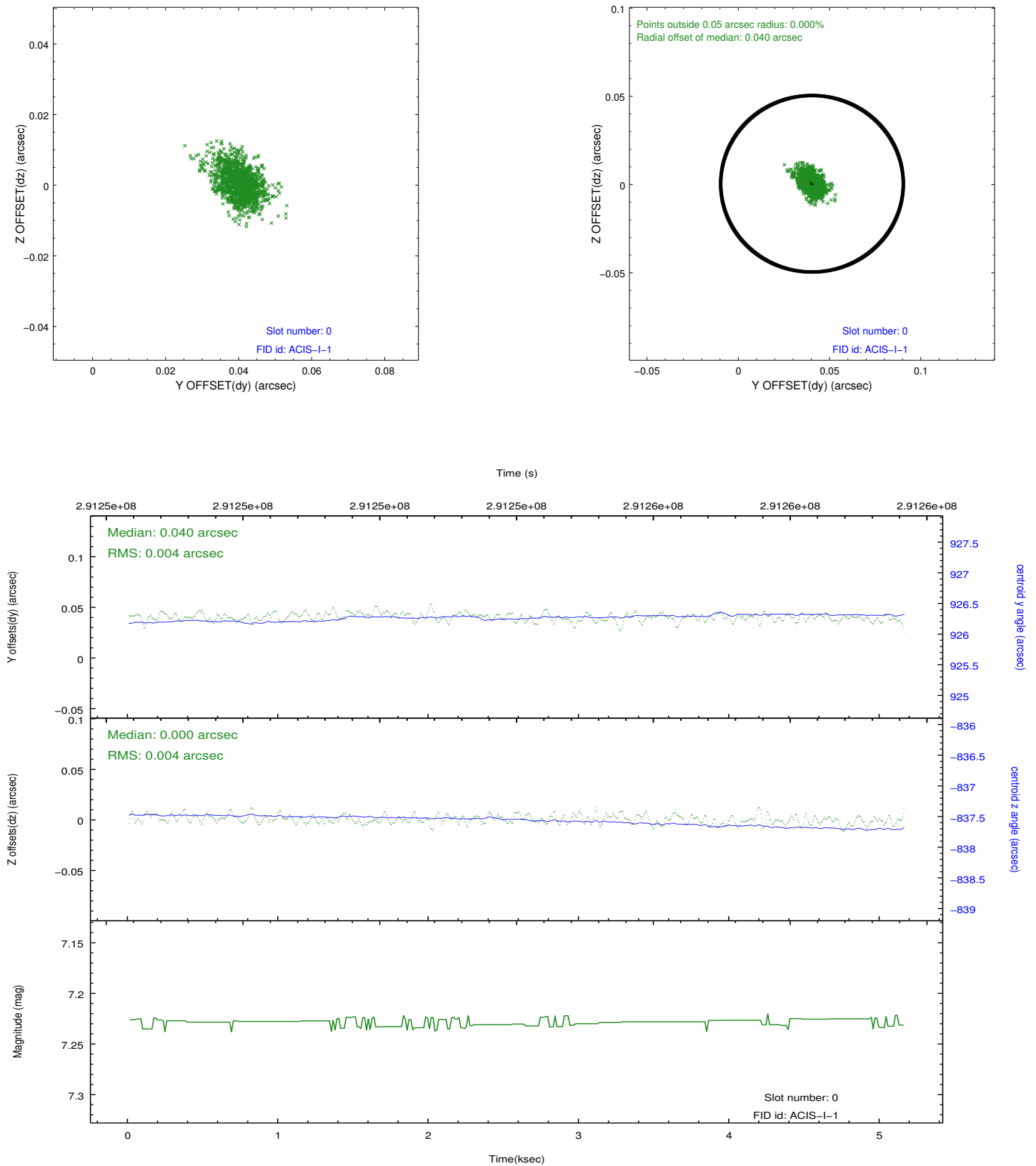


## 2.4.5 Slot 7

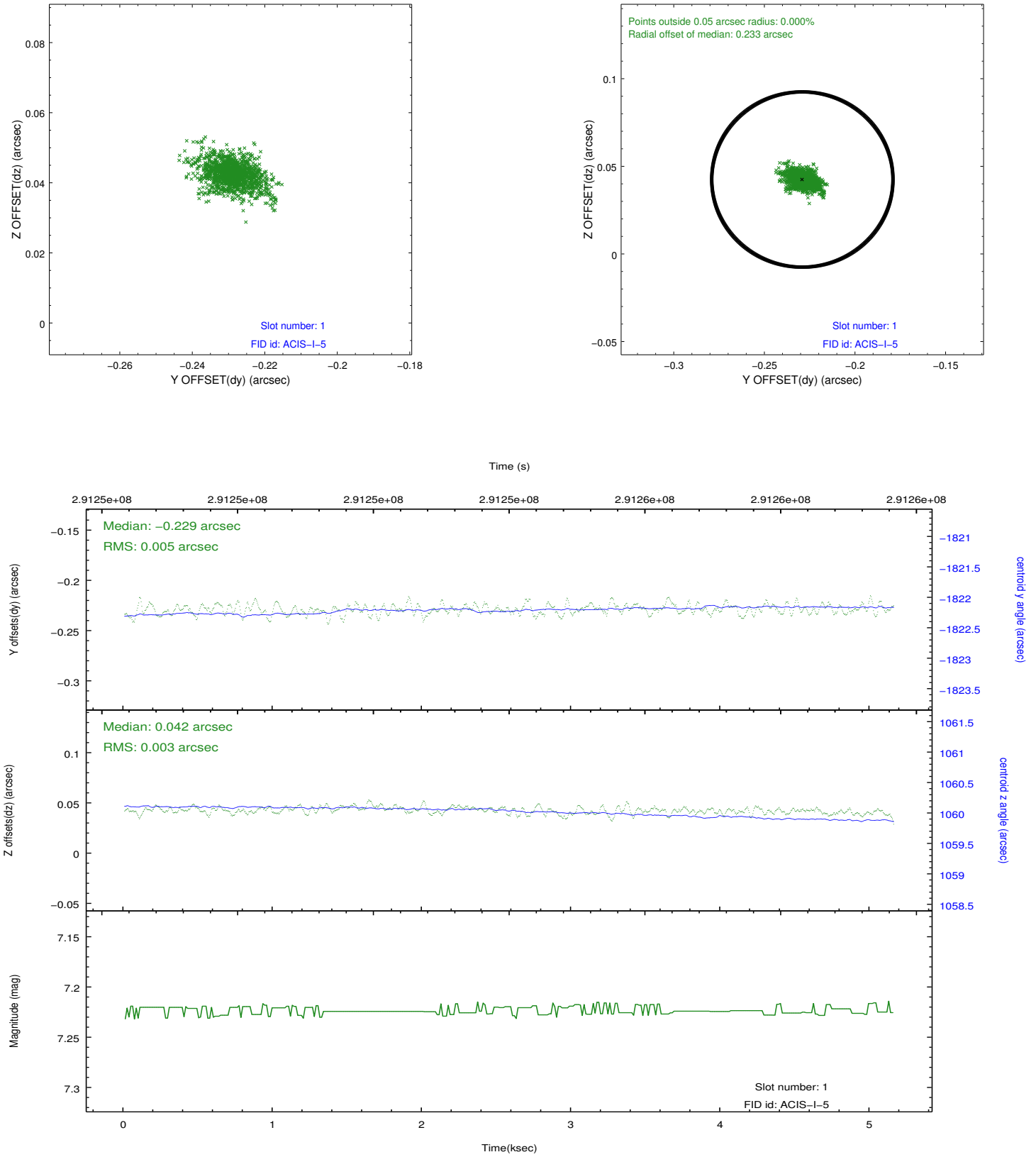


## 2.5 FID Slots

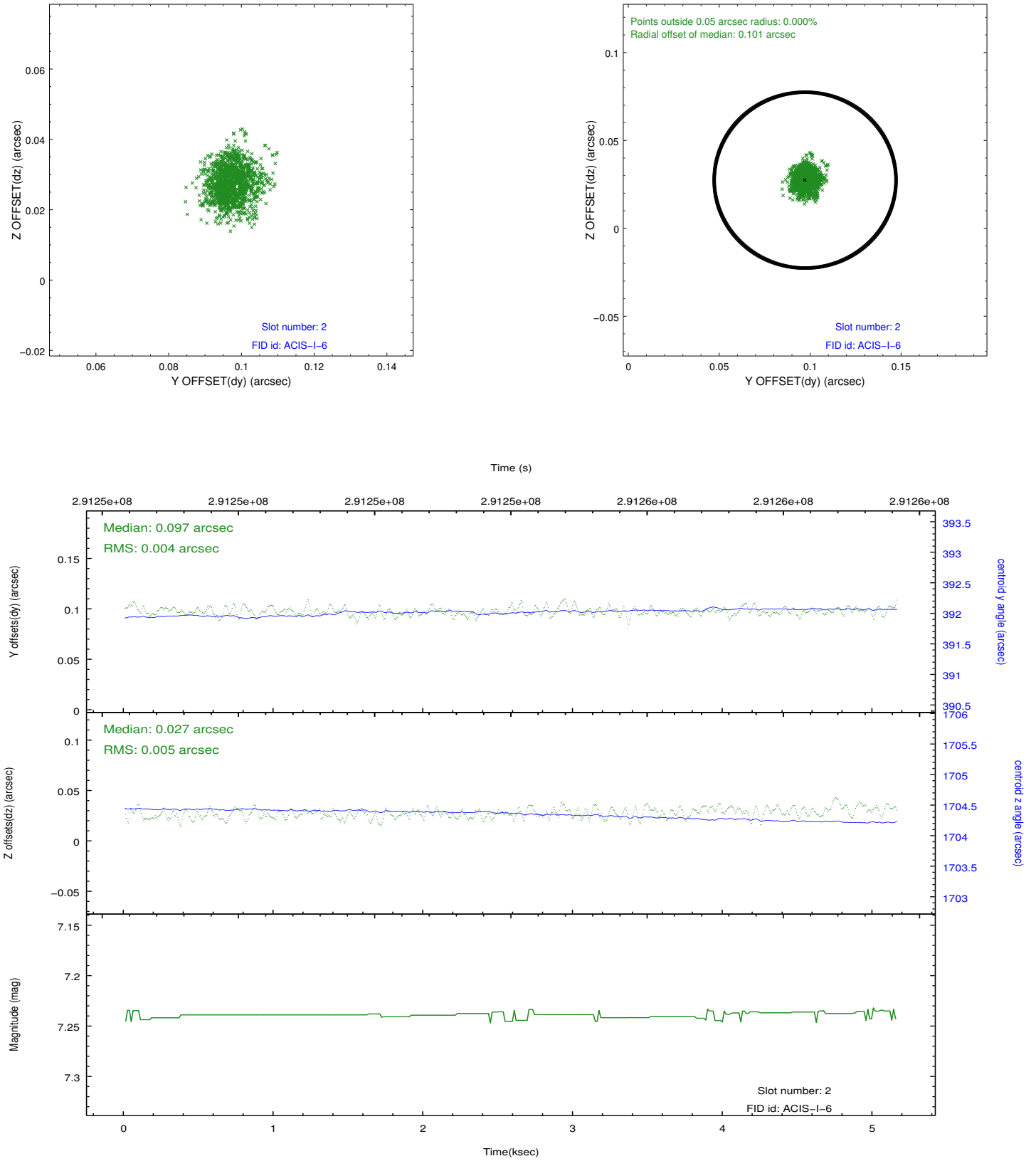
### 2.5.1 Slot 0



## 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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15220003

### A.2 Comments

Monitor constraint met.