

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6646 - L2 Version 2
Chandra X-Ray Center

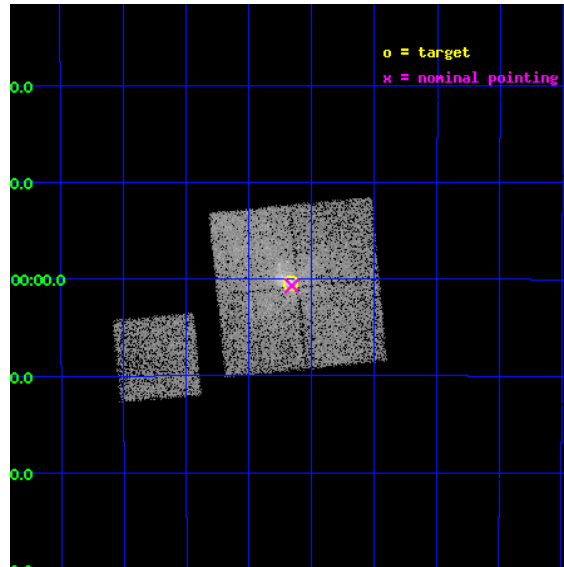
L2 Processing Date : Apr 12 2012

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1 Front

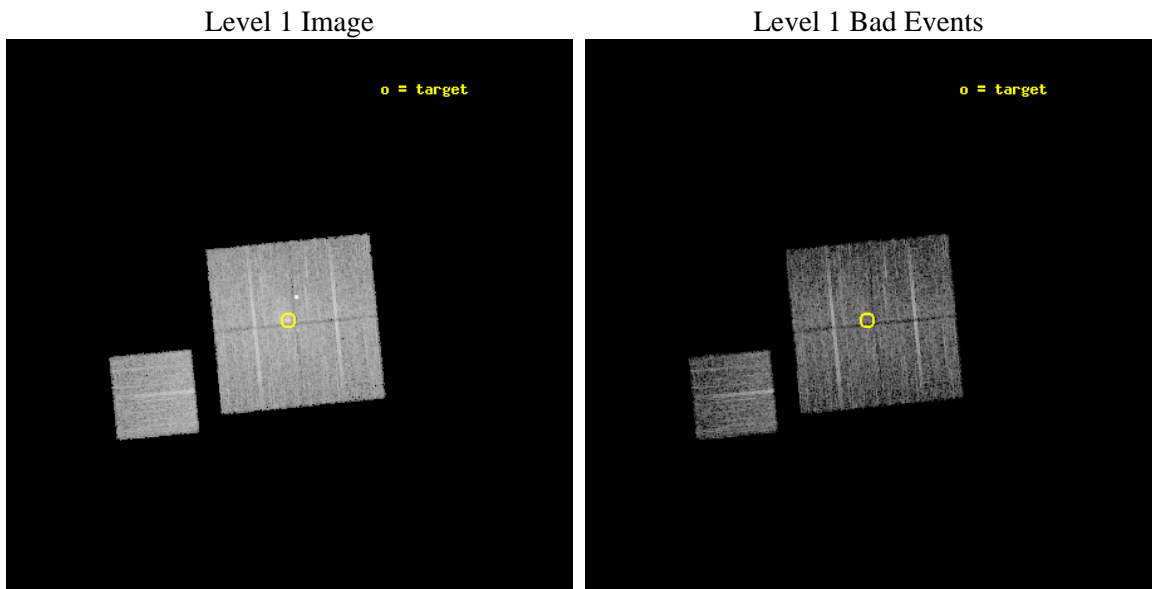
seq_num	400551	Sequence number
obs_id	6646	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41424657625	Nominal RA [deg]
dec_nom	-29.011810133179	Nominal Dec [deg]
roll_nom	264.36096942617	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5164.6000397205	Sum of GTIs [s]
livetime	5097.1207380783	Livetime [s]
ontime0	5164.6000397205	Sum of GTIs [s]
ontime1	5164.6000397205	Sum of GTIs [s]
ontime2	5164.6000397205	Sum of GTIs [s]
ontime3	5164.6000397205	Sum of GTIs [s]
ontime6	5164.6000397205	Sum of GTIs [s]
l2events	45407	Number of level 2 events



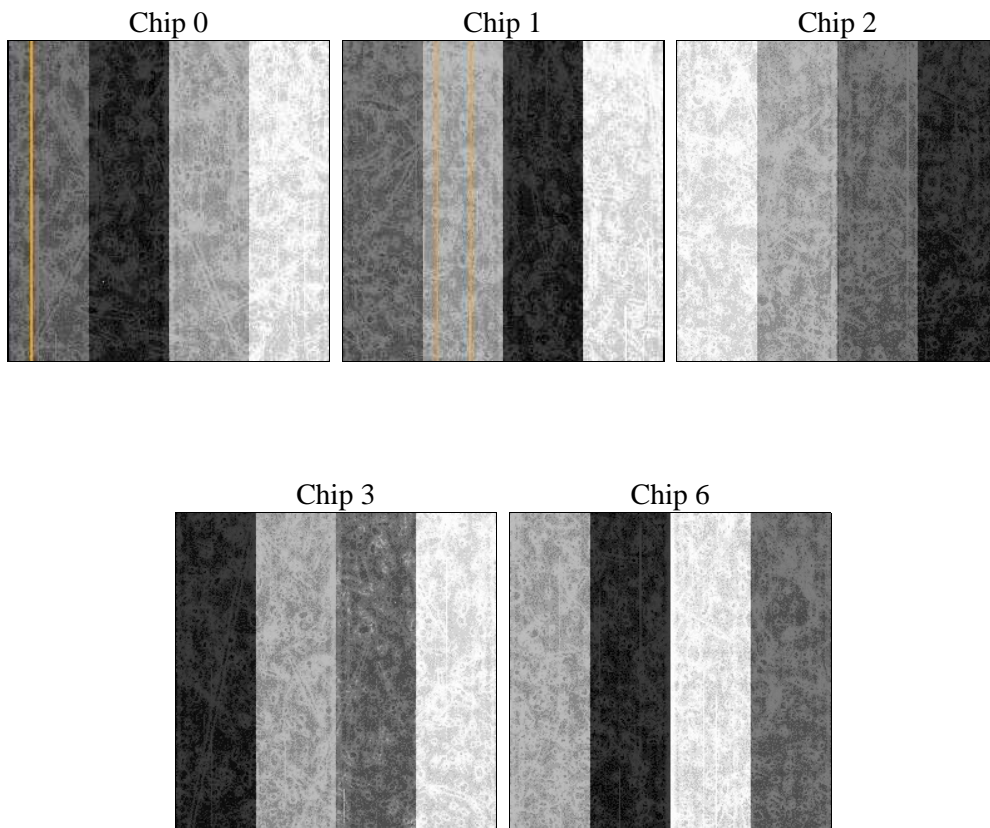
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4996.641000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5164.6000397205	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5164.6000397205	Sum of GTIs [s]
date	2012-04-12T08:59:47	Date and time of file creation	ontime1	5164.6000397205	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5164.6000397205	Sum of GTIs [s]
			ontime3	5164.6000397205	Sum of GTIs [s]
			ontime6	5164.6000397205	Sum of GTIs [s]
			l1events	272794	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	51934	52177	56638	60419	51626
rejected events	42807	41199	46939	45080	44948
rejected %	82%	78%	82%	74%	87%

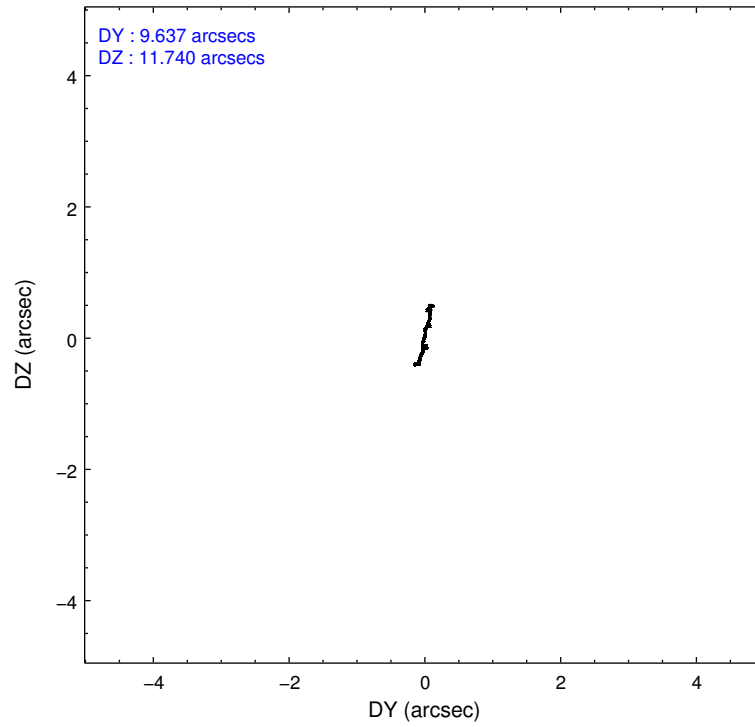
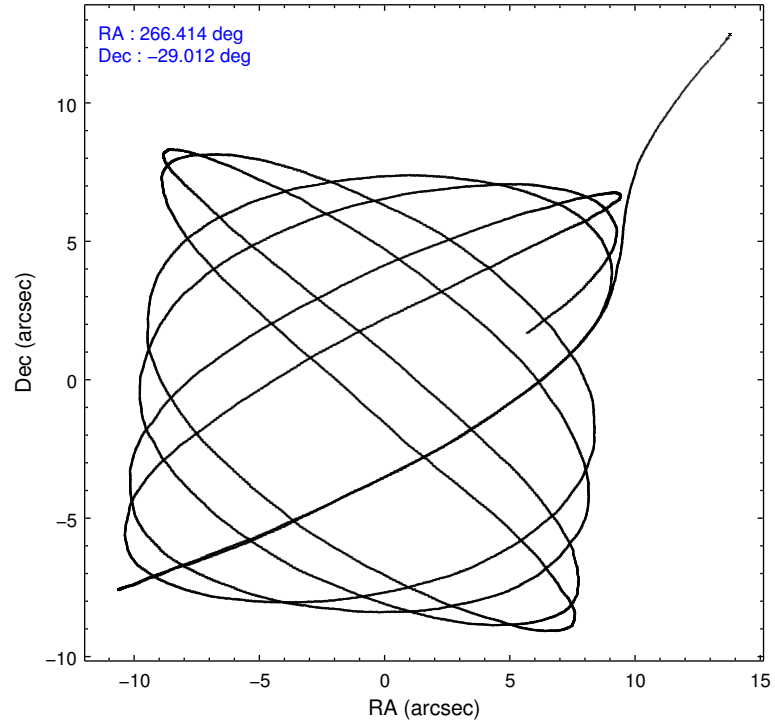
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4969	5002	5597	9603	3071
	9%	9%	9%	15%	5%
grade 1 events	54	42	60	92	36
	0%	0%	0%	0%	0%
grade 2 events	1862	3629	1810	2560	1474
	3%	6%	3%	4%	2%
grade 3 events	728	795	781	970	603
	1%	1%	1%	1%	1%
grade 4 events	711	747	751	1023	587
	1%	1%	1%	1%	1%
grade 5 events	2002	2178	1962	2361	2350
	3%	4%	3%	3%	4%
grade 6 events	1345	1475	1271	1832	1315
	2%	2%	2%	3%	2%
grade 7 events	40263	38309	44406	41978	42190
	77%	73%	78%	69%	81%

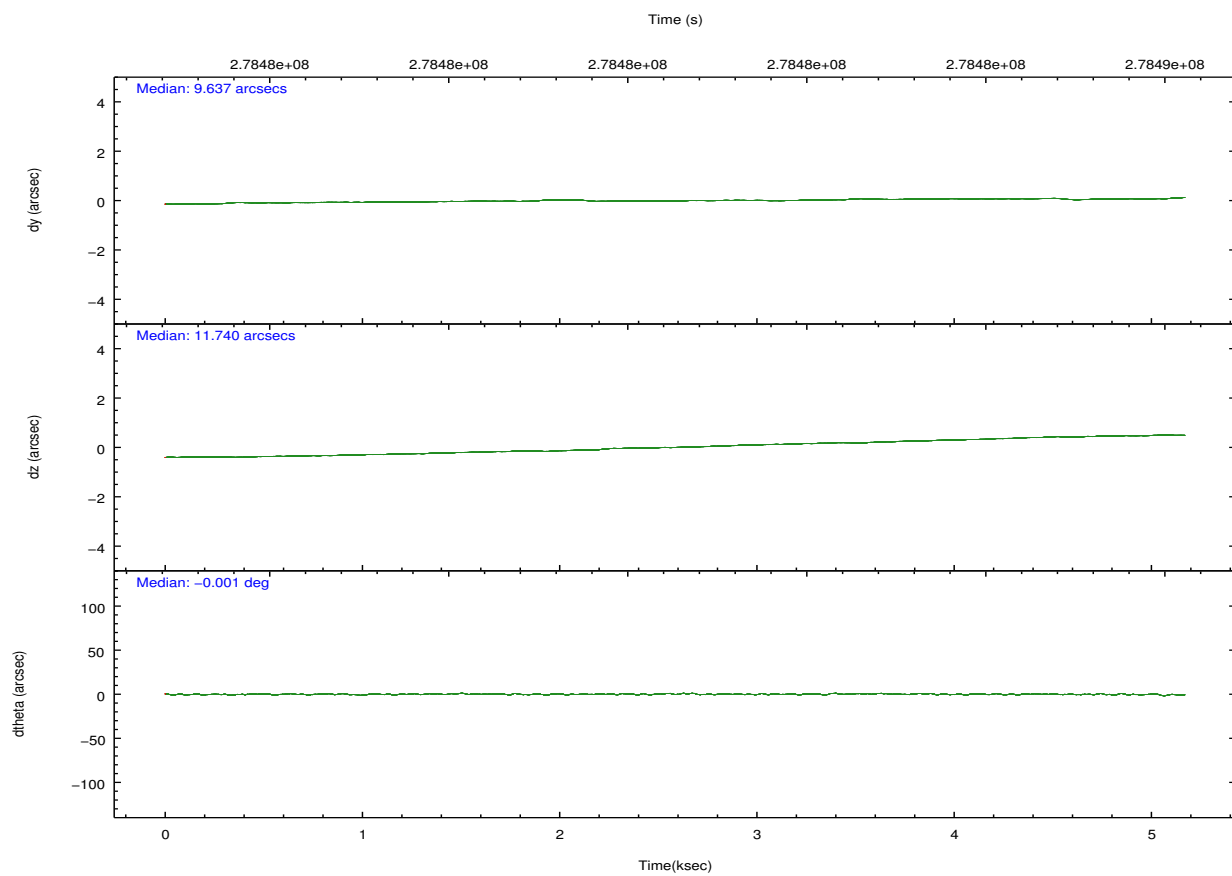
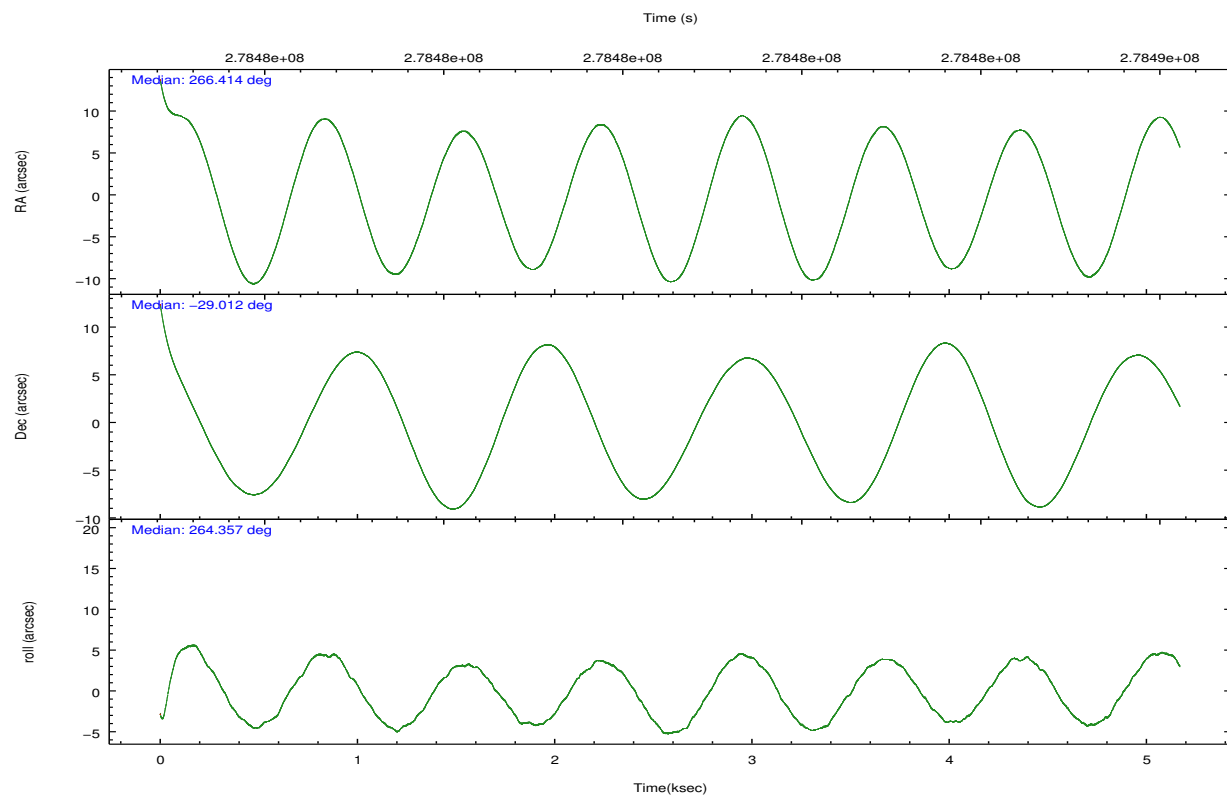
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	266.401102	266.414246576251
[deg] Pointing Dec	-28.986949	-29.01181013317936
[deg] Pointing Roll	264.145947	264.360969426166
[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)	278480846.184000	278479700.7568
Observation start date	2006-10-29T03:46:21	2006-10-29T03:28:20
[s] Observation end time (MET)	278485842.184000	278486079.8446
Observation end date	2006-10-29T05:09:37	2006-10-29T05:14:39
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



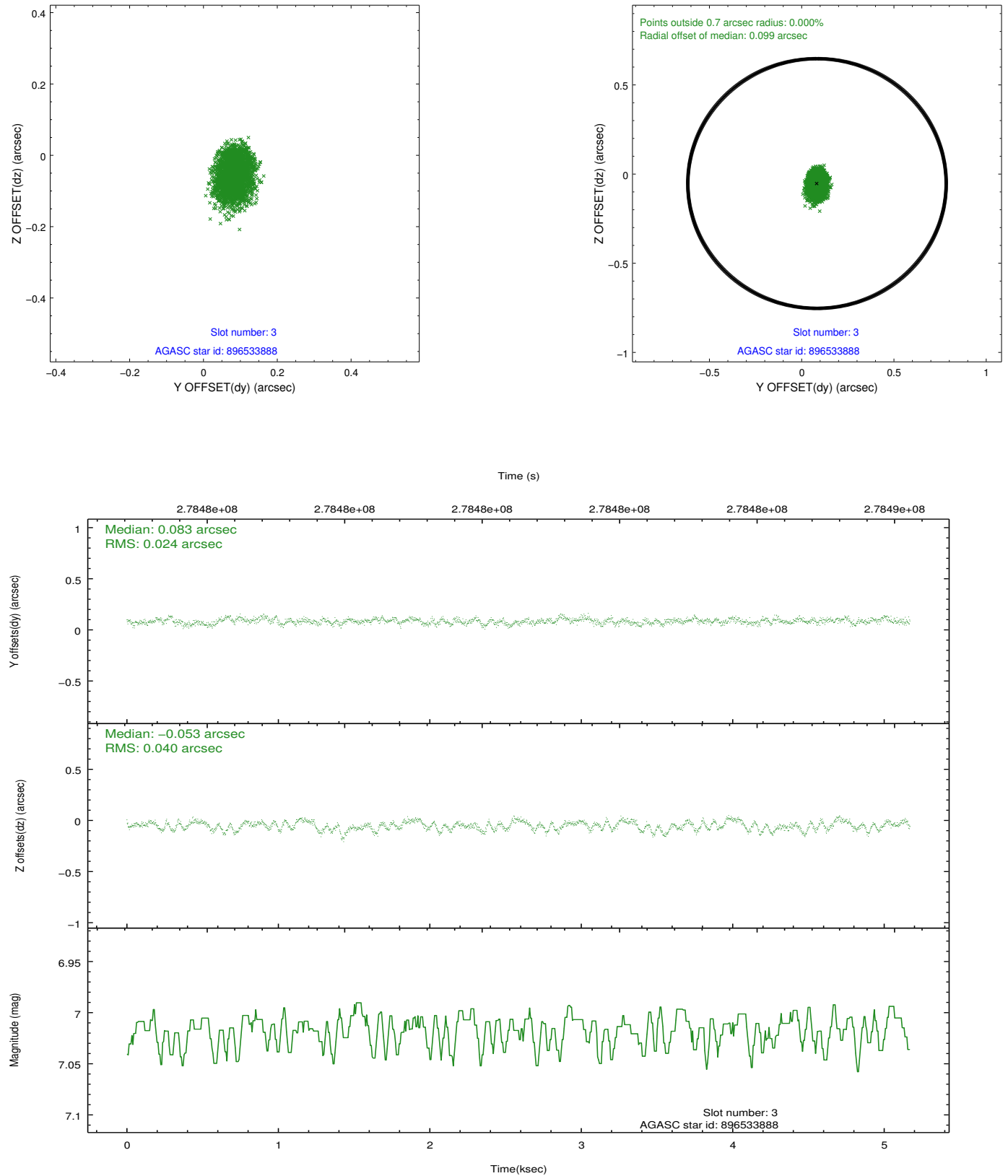


Slot Statistics

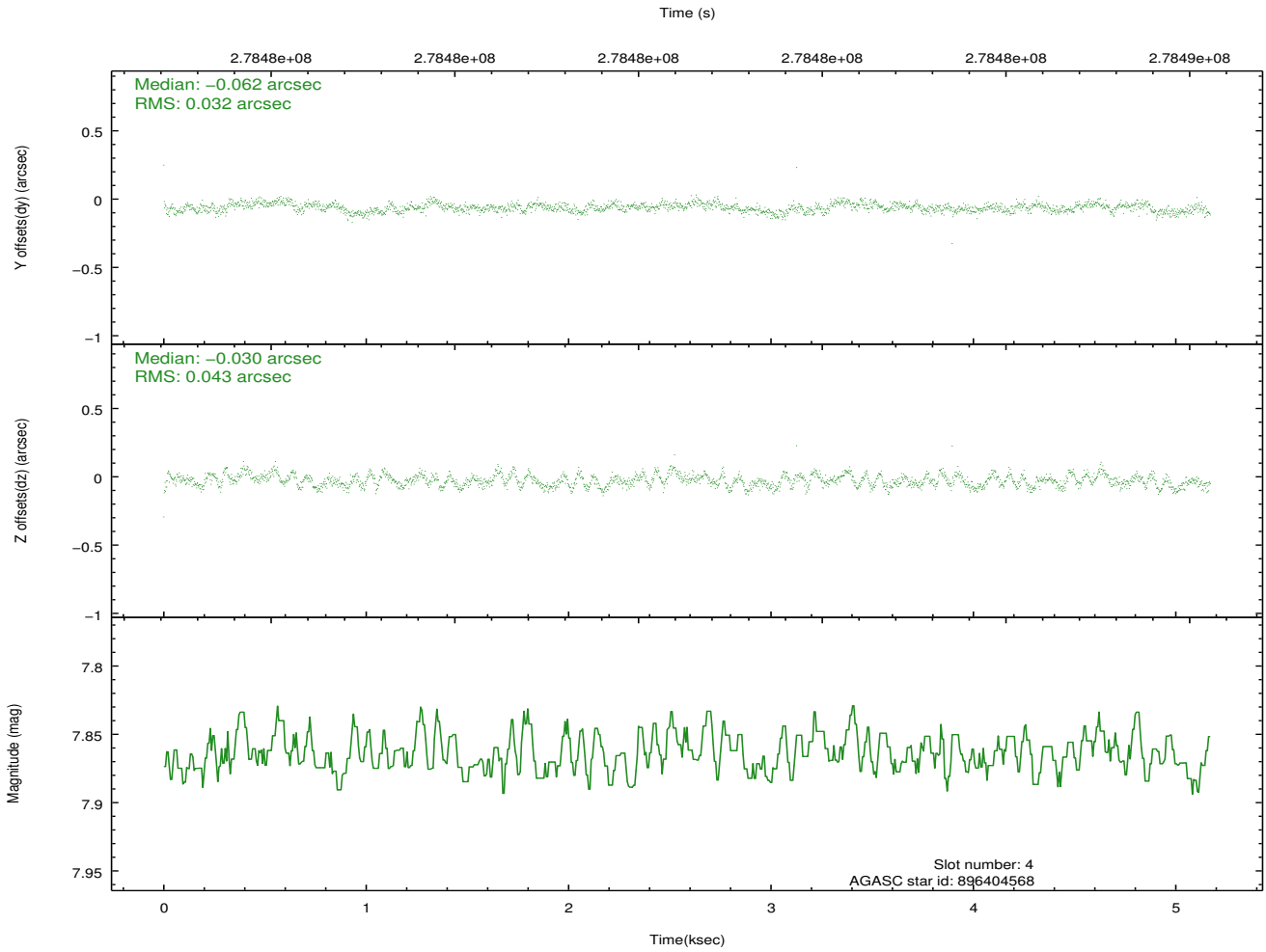
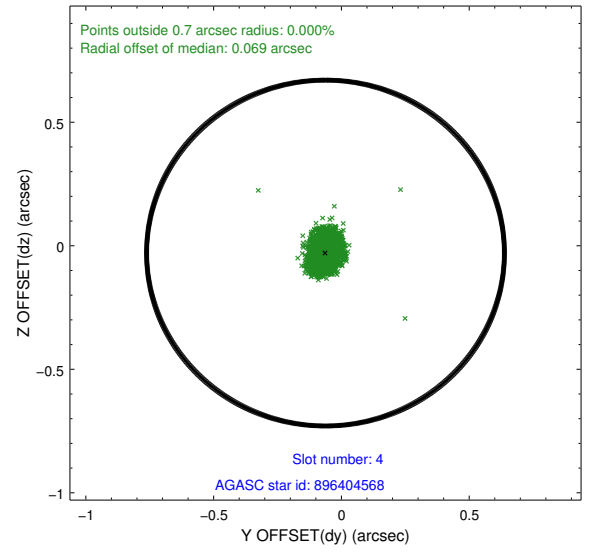
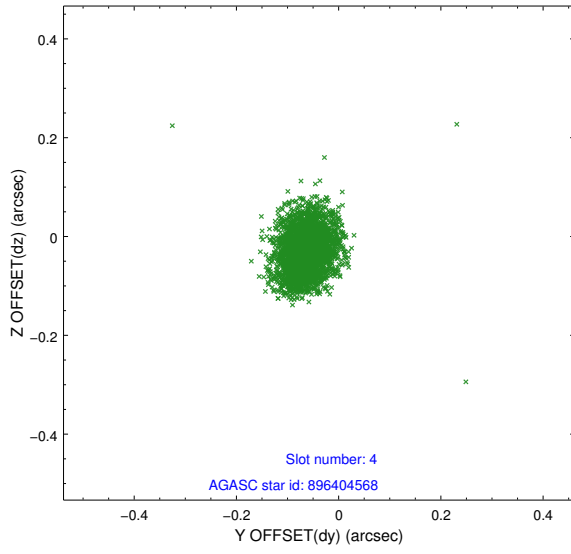
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1262	0.064	-0.046	0.010	0.016	0.000000	0.000000	930.02	-835.34
1	FID	ACIS-I-5	7.24	1261	-0.214	0.062	0.006	0.011	0.000000	0.000000	-1817.68	1061.73
2	FID	ACIS-I-6	7.25	1261	0.059	0.055	0.012	0.019	0.000000	0.000000	394.34	1707.51
3	GUIDE	896533888	7.02	2523	0.083	-0.053	0.050	0.081	266.666434	-29.392757	1369.75	976.79
4	GUIDE	896404568	7.86	2523	-0.062	-0.030	0.055	0.088	265.687293	-28.431080	-1752.53	-2451.51
5	GUIDE	896538696	6.83	2523	-0.023	0.077	0.043	0.069	266.298470	-28.325572	-2335.54	-567.70
6	GUIDE	896537776	7.53	2523	0.056	0.109	0.044	0.074	266.655684	-29.665673	2349.75	1041.35
7	GUIDE	896538208	7.97	2518	-0.053	-0.103	0.049	0.082	267.176969	-28.671626	-1370.17	2322.90

2.4 Star Slots

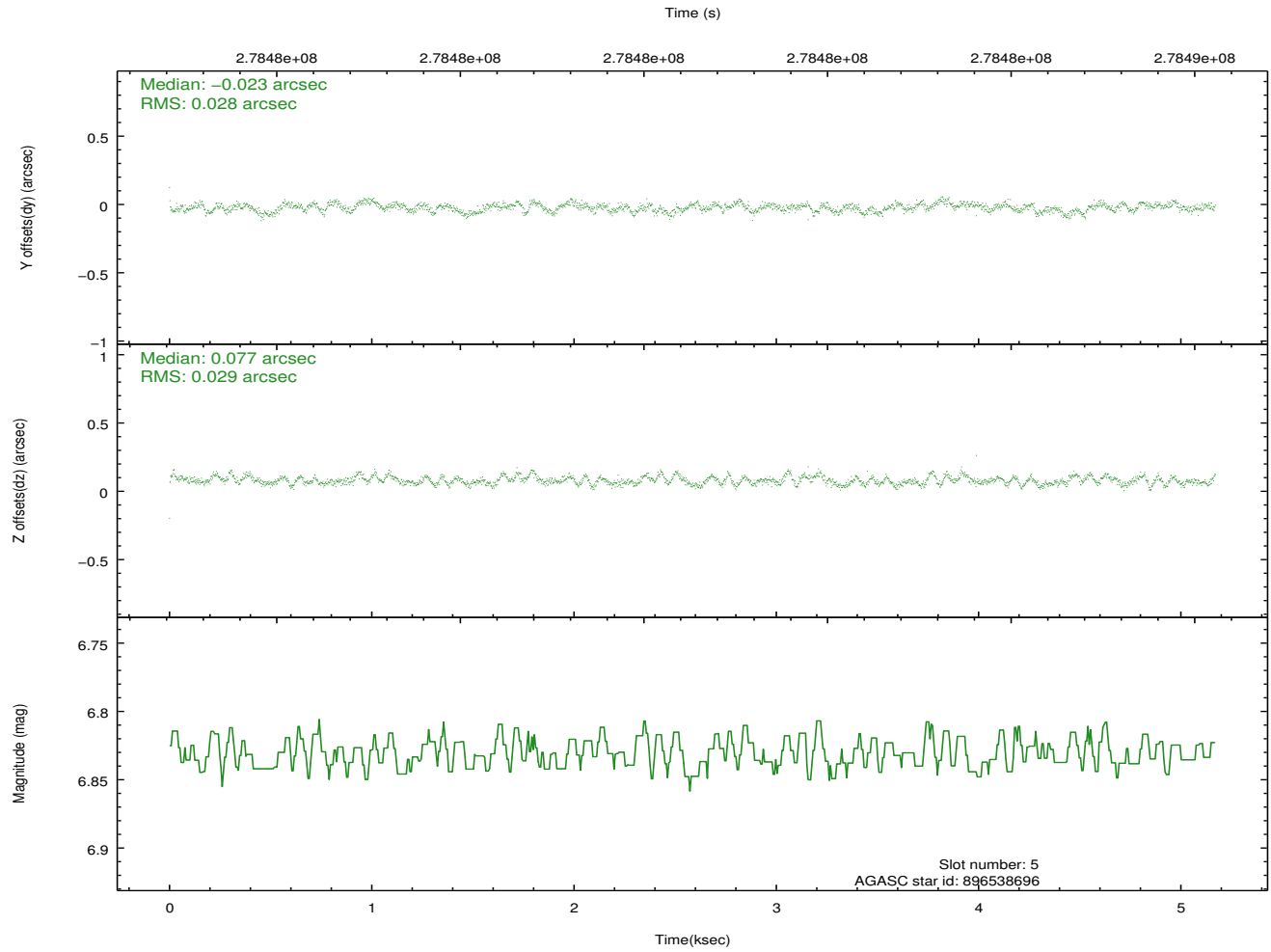
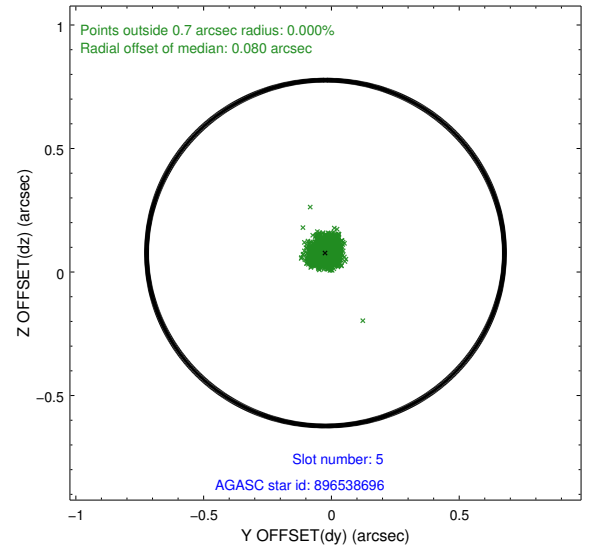
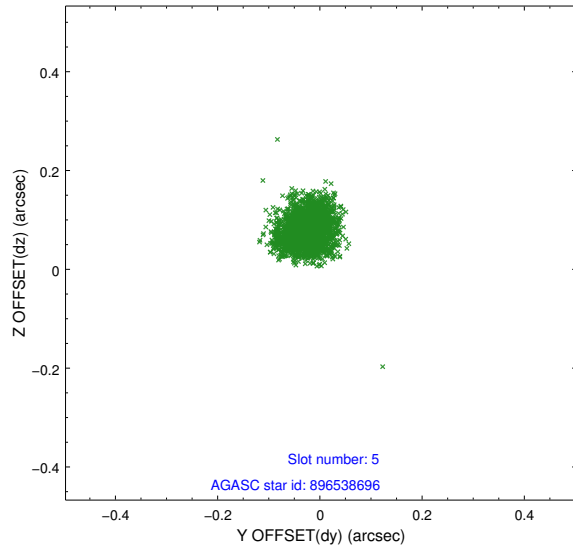
2.4.1 Slot 3



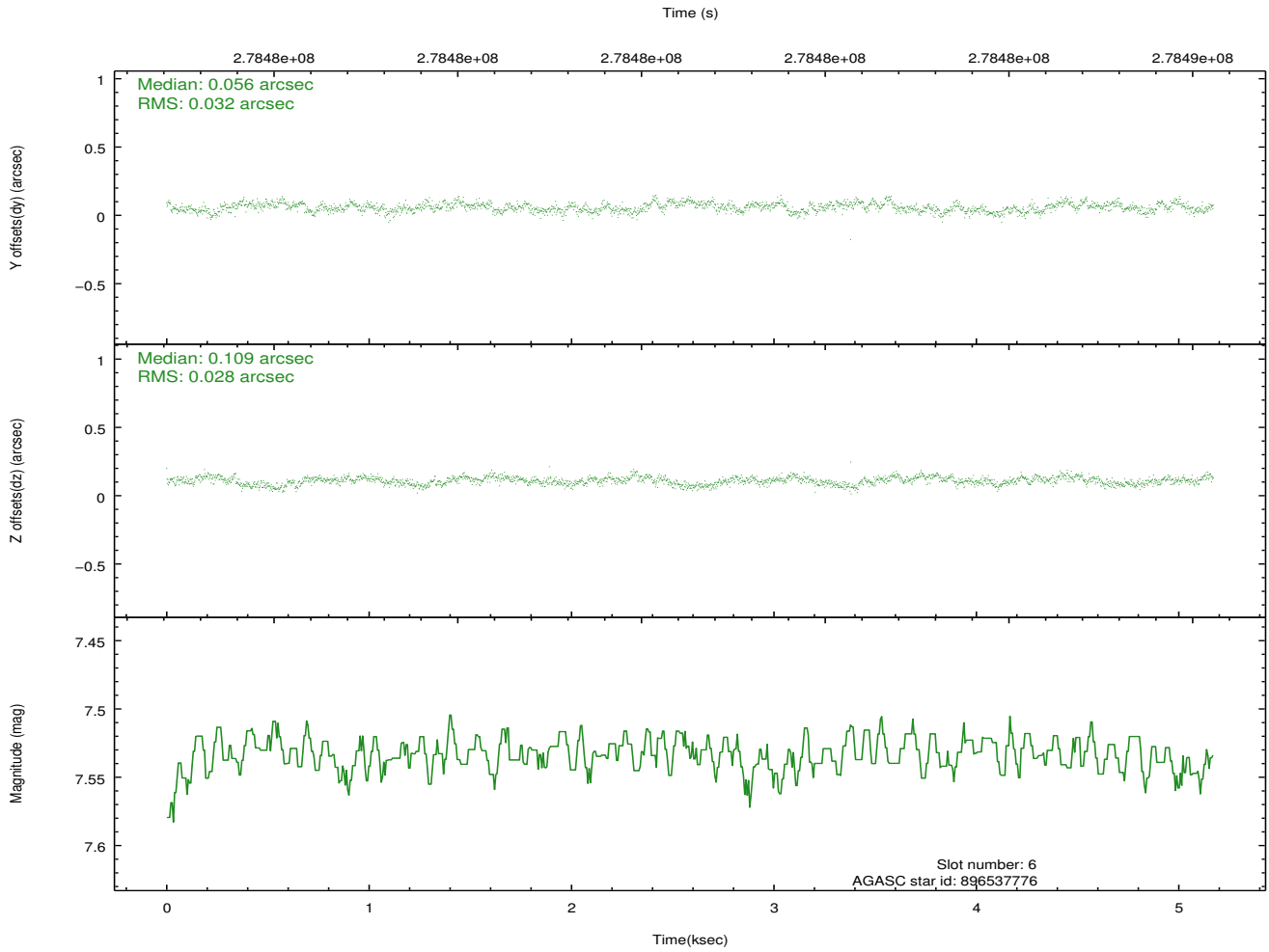
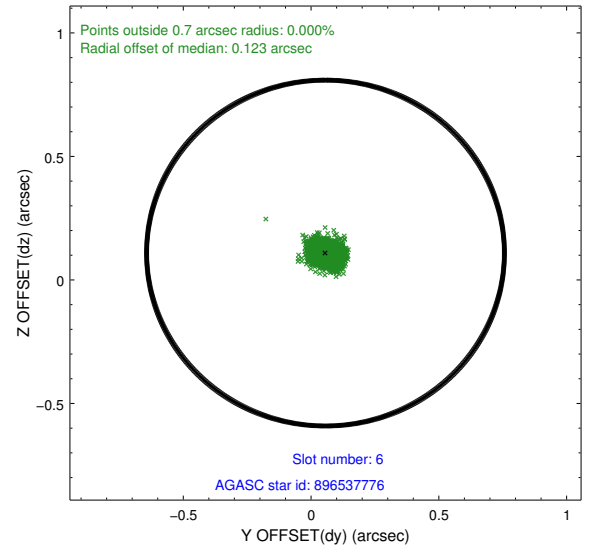
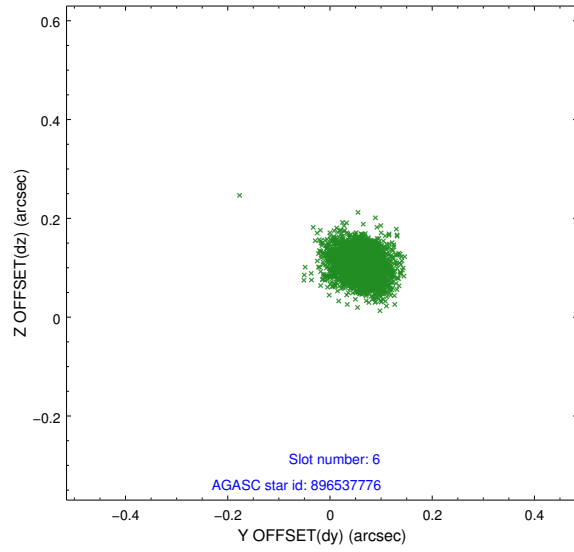
2.4.2 Slot 4



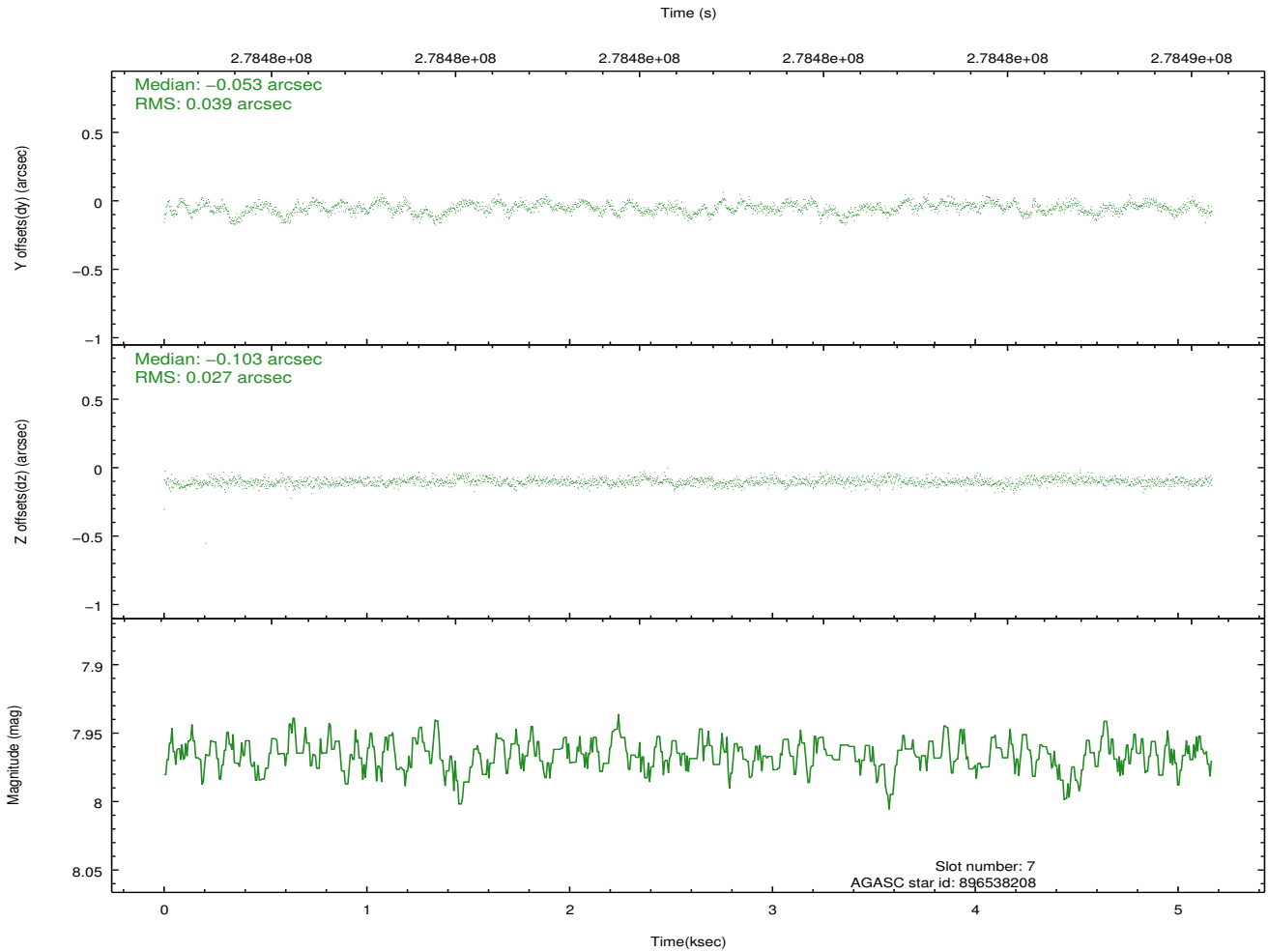
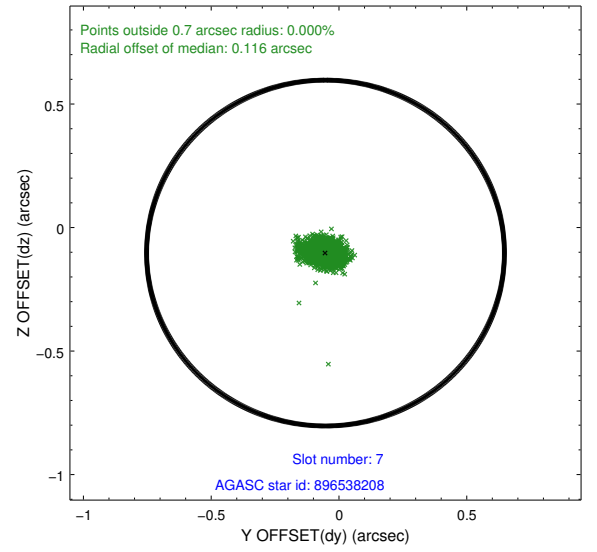
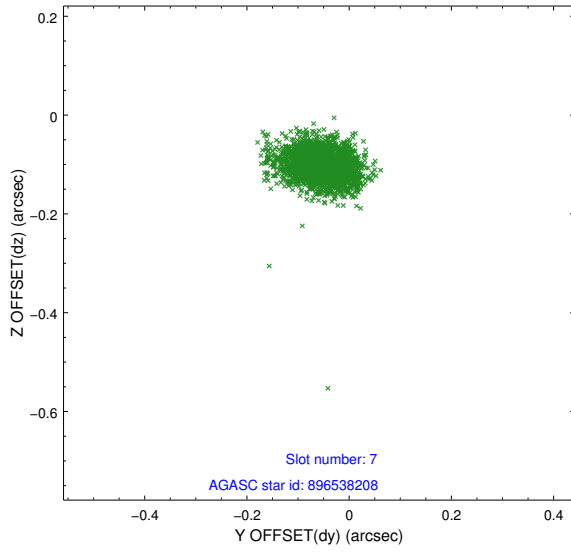
2.4.3 Slot 5



2.4.4 Slot 6

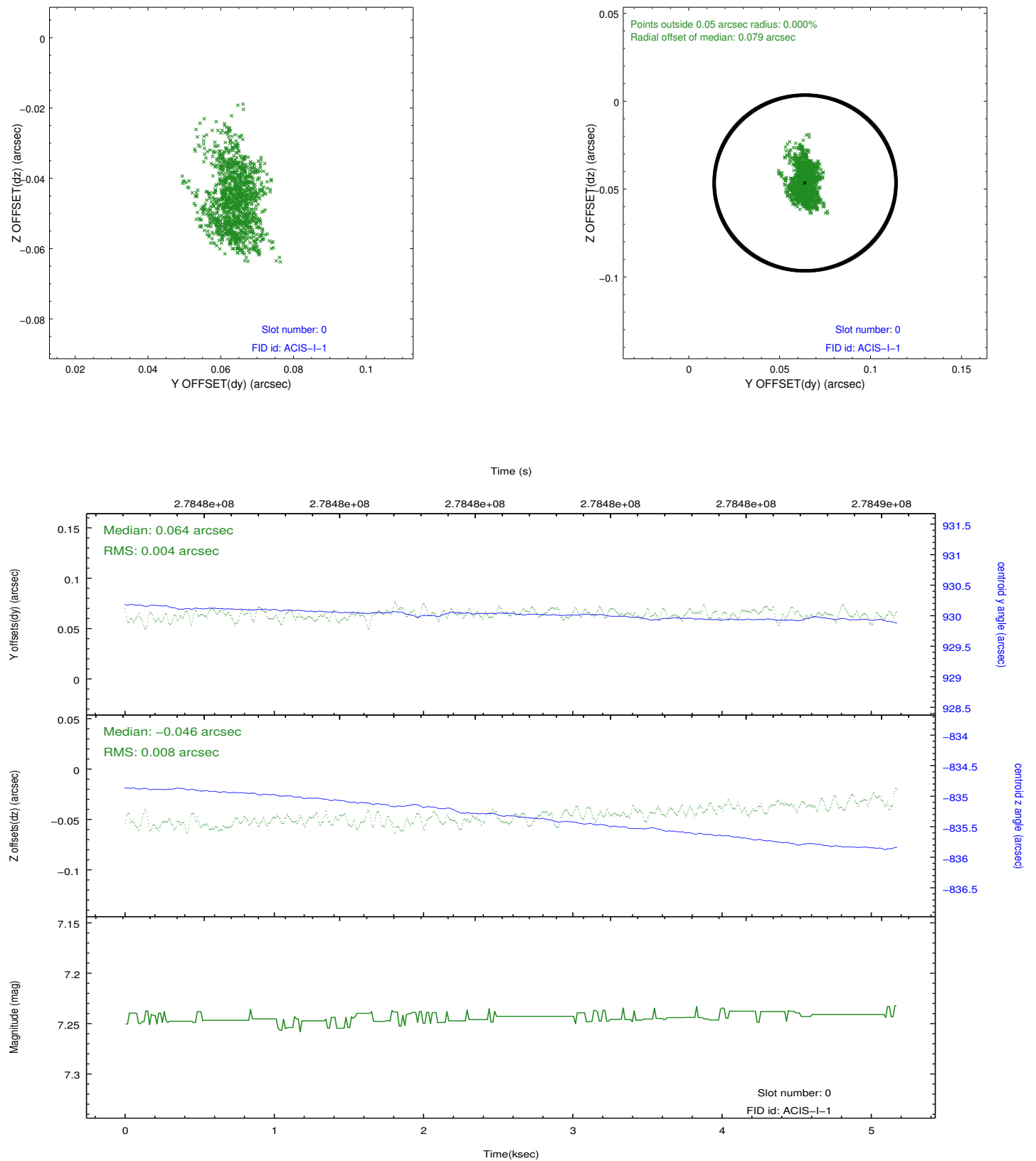


2.4.5 Slot 7

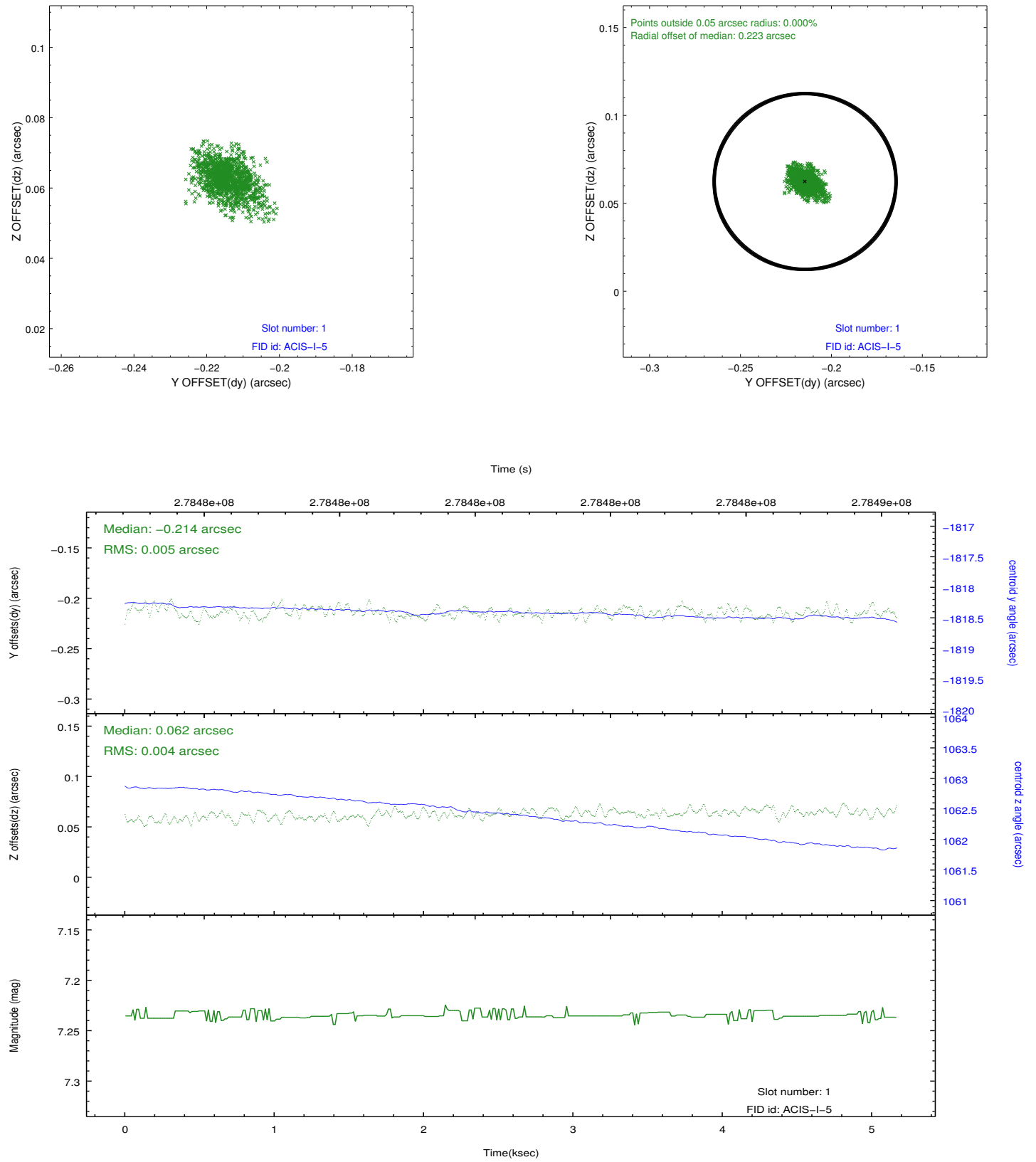


2.5 FID Slots

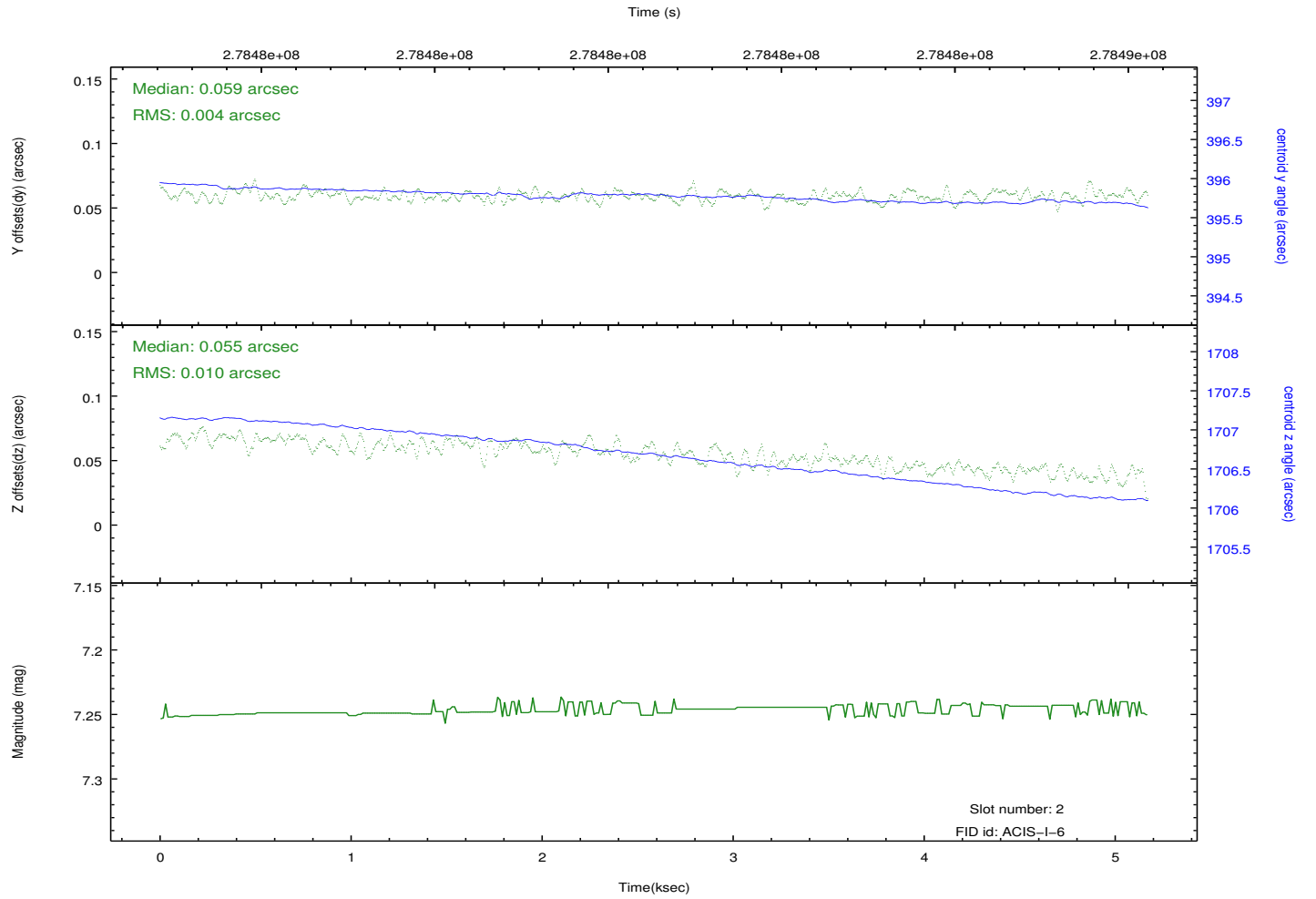
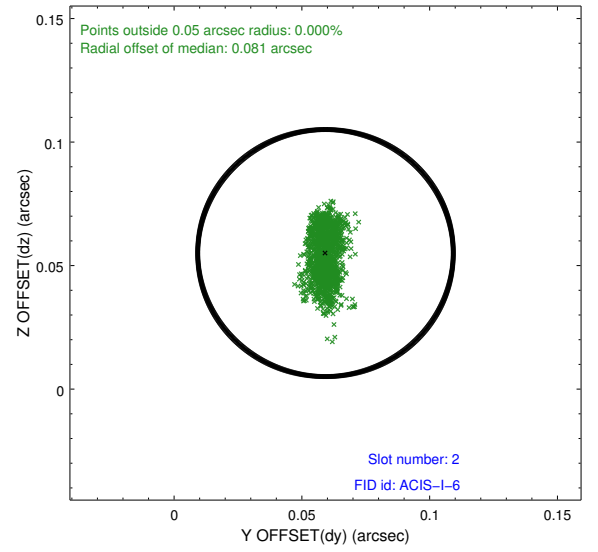
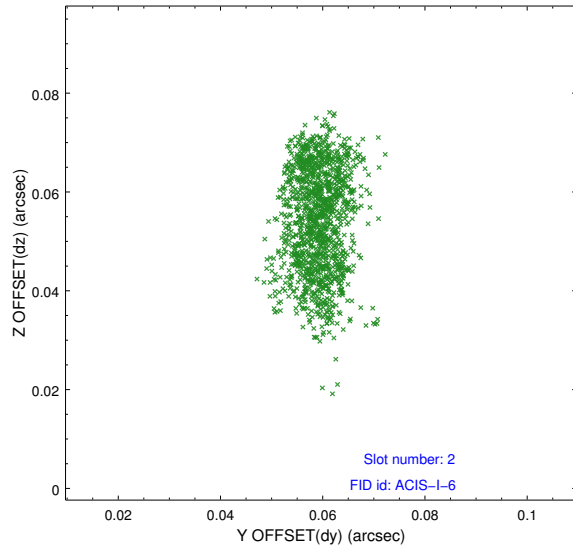
2.5.1 Slot 0



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)	2012.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16460003

A.2 Comments