

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18439 - L2 Version 1
Chandra X-Ray Center

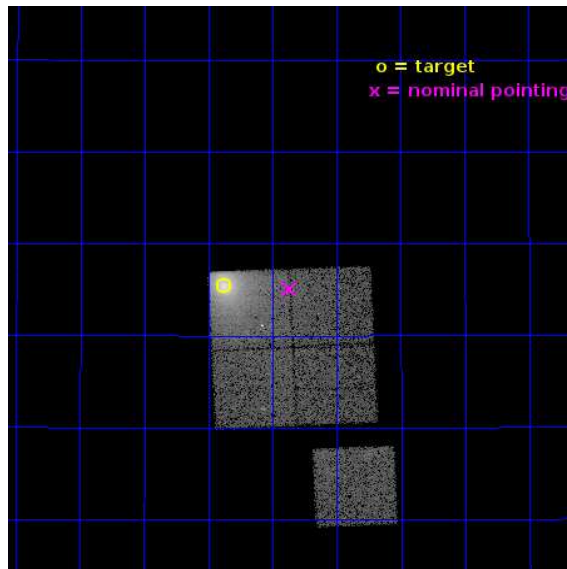
L2 Processing Date : Apr 17 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

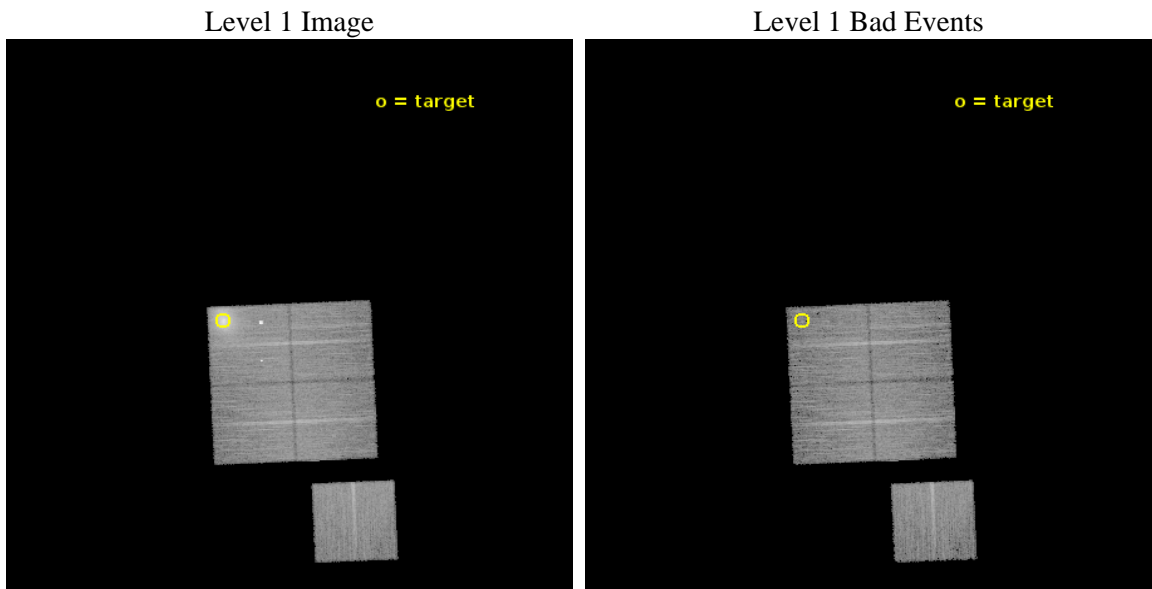
seq_num	890132	Sequence number
obs_id	18439	Observation id
title	AO-17 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.09226784977	Nominal RA [deg]
dec_nom	26.585376891039	Nominal Dec [deg]
roll_nom	177.45557884988	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14777.166832447	Sum of GTIs [s]
livetime	14584.092268989	Livetime [s]
ontime0	14777.125792503	Sum of GTIs [s]
ontime1	14777.166832447	Sum of GTIs [s]
ontime2	14777.20787251	Sum of GTIs [s]
ontime3	14777.248912454	Sum of GTIs [s]
ontime6	14777.08475244	Sum of GTIs [s]
l2events	97129	Number of level 2 events



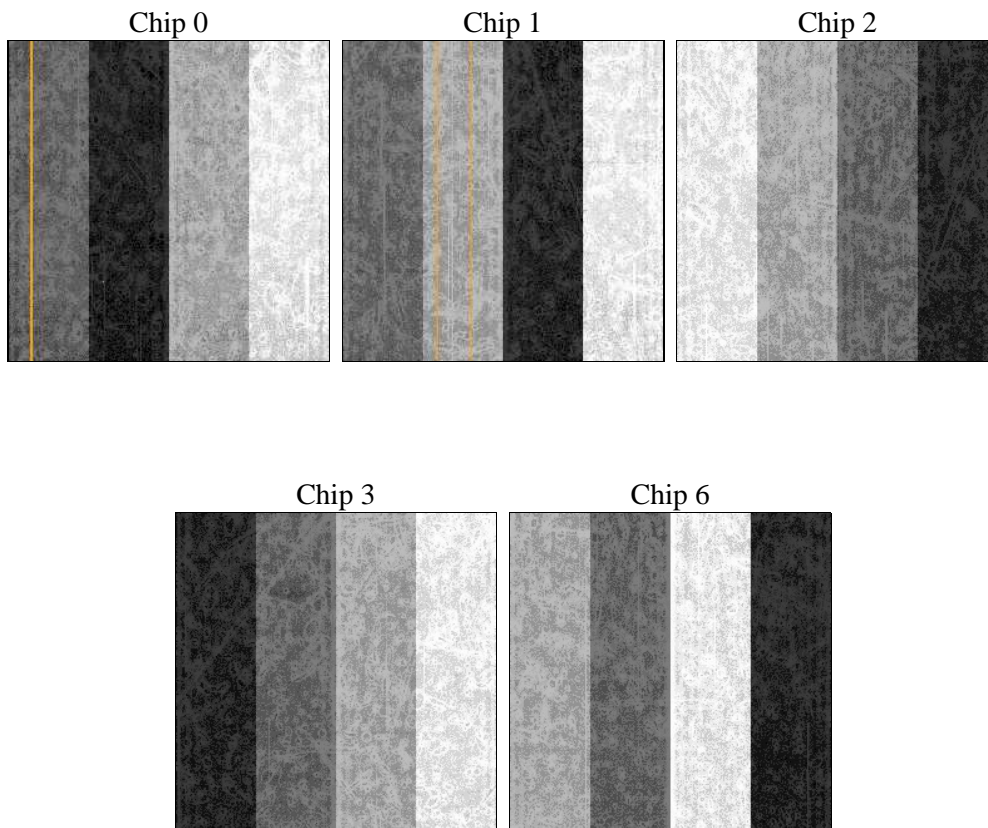
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	14777.166832447	Sum of GTIs [s]
caldbver	4.7.1	 	ontime0	14777.125792503	Sum of GTIs [s]
date	2016-04-17T19:27:01	Date and time of file creation	ontime1	14777.166832447	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	14777.20787251	Sum of GTIs [s]
			ontime3	14777.248912454	Sum of GTIs [s]
			ontime6	14777.08475244	Sum of GTIs [s]
			l1events	513289	Number of level 1 events

2.1.4 Events

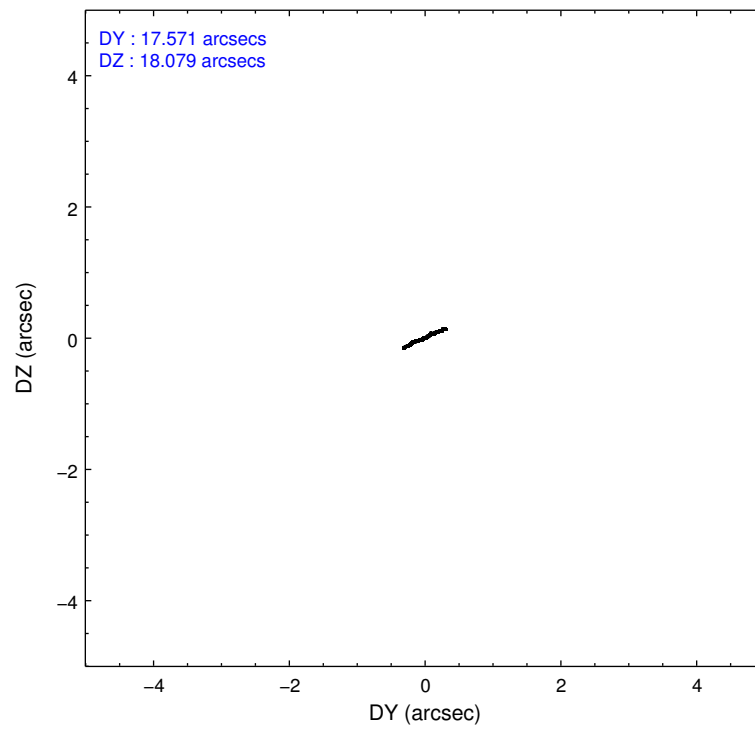
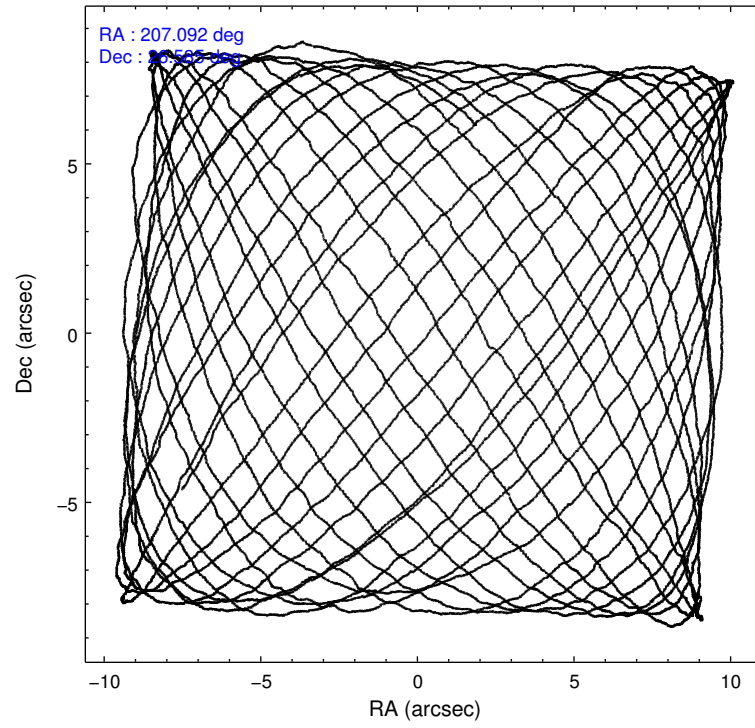
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	87019	148471	93088	90750	93961
rejected events	76332	78001	83626	80219	83798
rejected %	87%	52%	89%	88%	89%

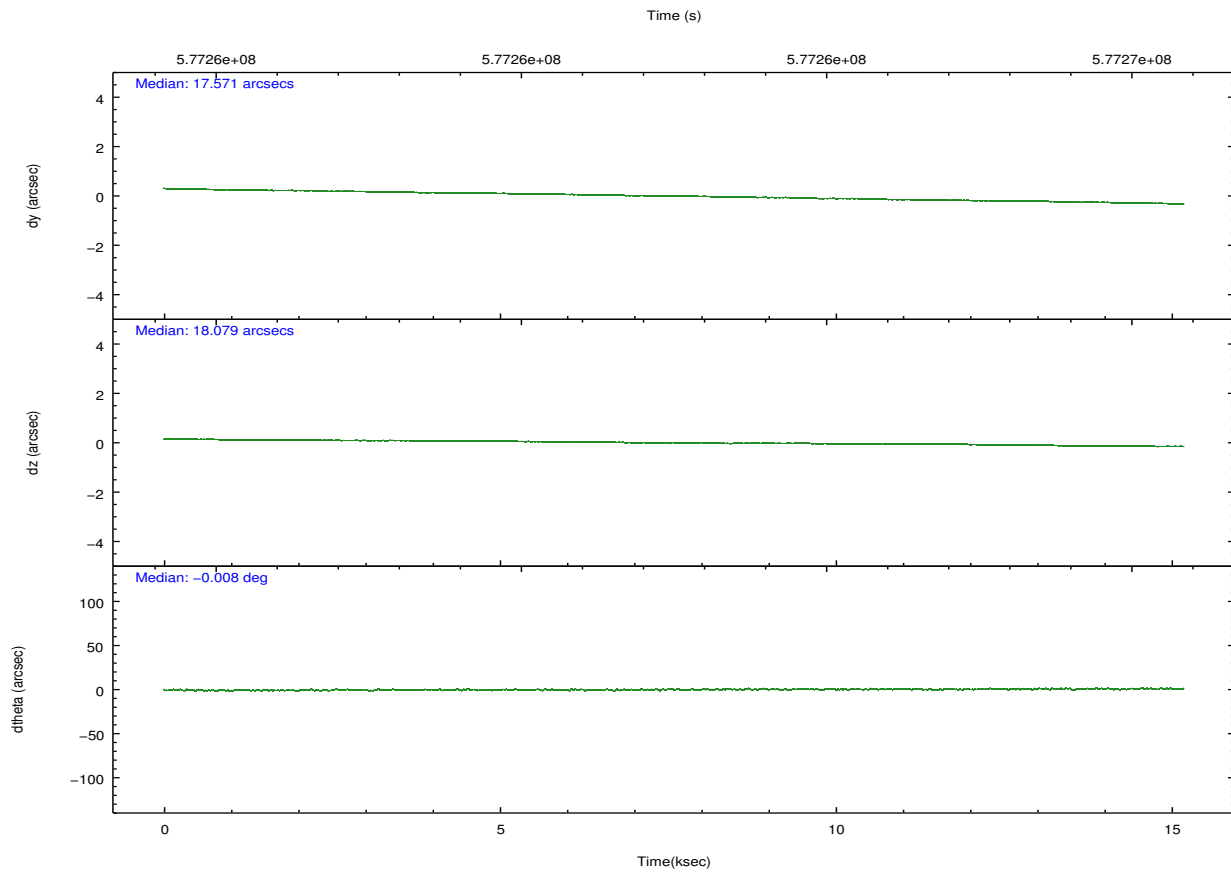
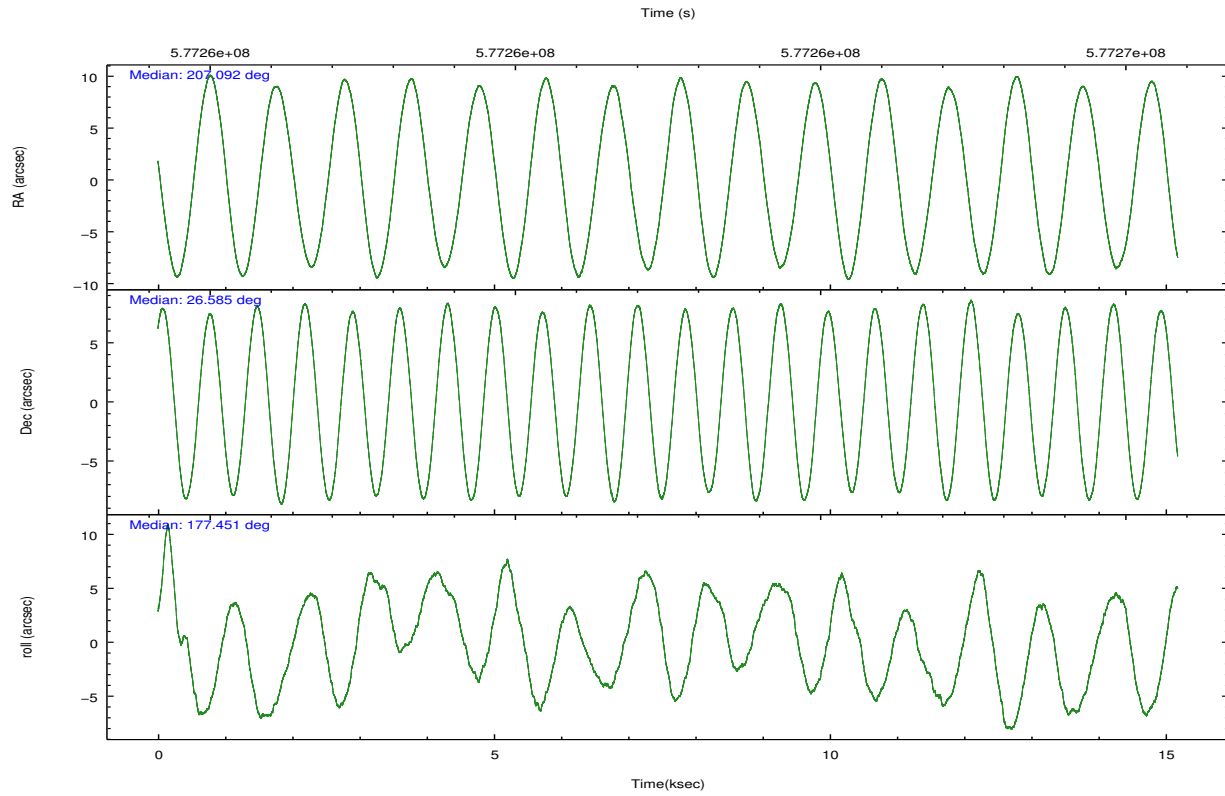
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4038	50841	3482	4213	3082
	4%	34%	3%	4%	3%
grade 1 events	48	226	67	71	37
	0%	0%	0%	0%	0%
grade 2 events	2483	9140	2173	2121	2600
	2%	6%	2%	2%	2%
grade 3 events	1016	2958	963	1143	916
	1%	1%	1%	1%	0%
grade 4 events	924	3028	935	1041	977
	1%	2%	1%	1%	1%
grade 5 events	3703	4096	3388	4359	3937
	4%	2%	3%	4%	4%
grade 6 events	2235	4523	1912	2015	2592
	2%	3%	2%	2%	2%
grade 7 events	72572	73659	80168	75787	79820
	83%	49%	86%	83%	84%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	207.119616	207.0922678497673	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.598180	26.58537689103936	Alternating exposures requested	N	N
[deg] Pointing Roll	177.234654	177.4555788498794	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	575856068.184000	575856068.184000			
[s] Window stop time (MET)	578361668.184000	578361668.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-254.359963	-254.3657361129205			
[mm] SIM translation stage offset	20.7675	20.77328310999084			
[s] Observation start time (MET)	577255082.184000	577254706.65279			
Observation start date	2016-04-17T04:36:54	2016-04-17T04:31:46			
[s] Observation end time (MET)	577270082.184000	577270414.2661901			
Observation end date	2016-04-17T08:46:54	2016-04-17T08:53:34			
Read mode	TIMED	TIMED			

2.3 Aspect





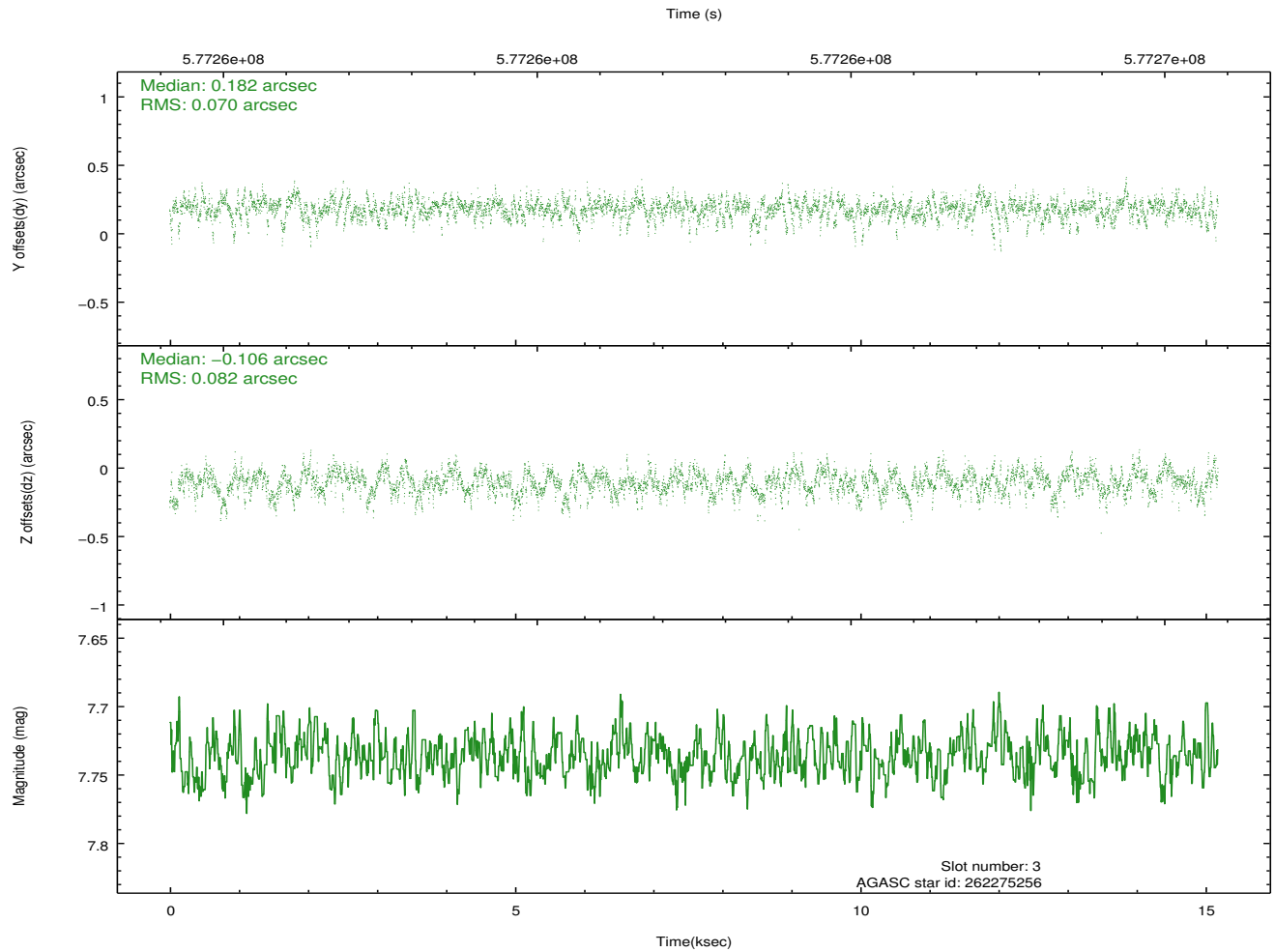
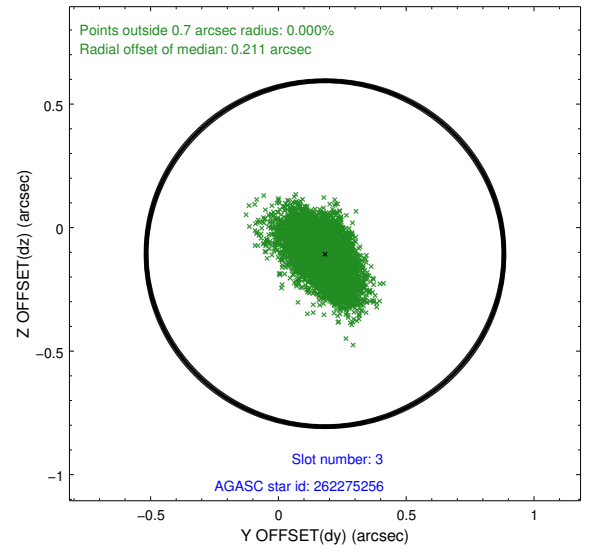
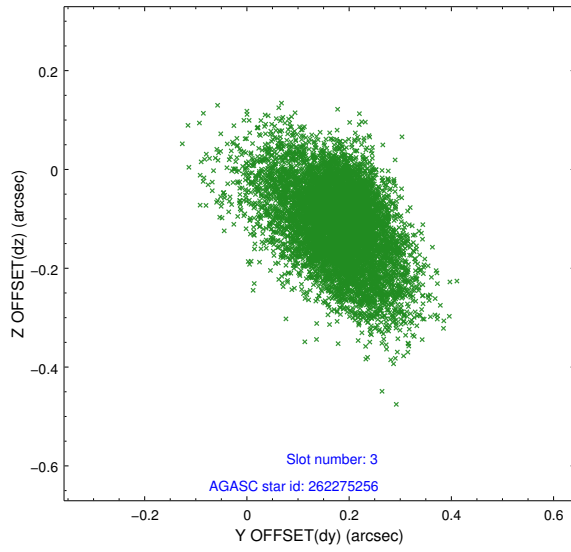
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.38	3703	-0.068	0.148	0.012	0.020	0.000000	0.000000	922.19	-414.69
1	FID		ACIS-I-5	7.30	3702	-0.205	-0.040	0.007	0.011	0.000000	0.000000	-1826.08	1482.29
2	FID		ACIS-I-6	7.27	3703	0.182	-0.040	0.010	0.016	0.000000	0.000000	387.41	2127.33
3	GUIDE	used	262275256	7.74	7405	0.182	-0.106	0.109	0.197	206.467522	27.226414	2195.21	-2163.38
4	GUIDE	used	262407608	9.34	7398	-0.031	-0.033	0.120	0.192	207.378401	26.435507	-861.11	543.83
5	GUIDE	used	262408096	9.30	7329	-0.306	-0.178	0.192	0.293	207.011678	26.515421	333.43	314.17
6	GUIDE	used	262408512	7.98	7404	0.041	0.287	0.082	0.142	207.800210	27.128796	-2085.09	-2018.67
7	GUIDE	used	262409552	8.17	7400	0.105	0.034	0.127	0.213	206.584269	27.192805	1816.26	-2058.63

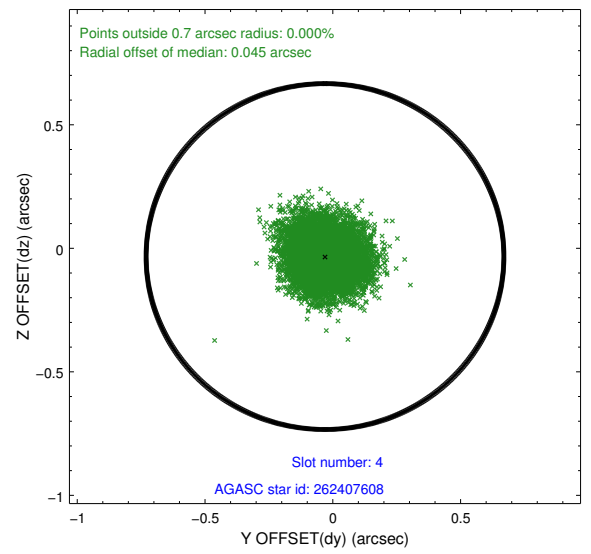
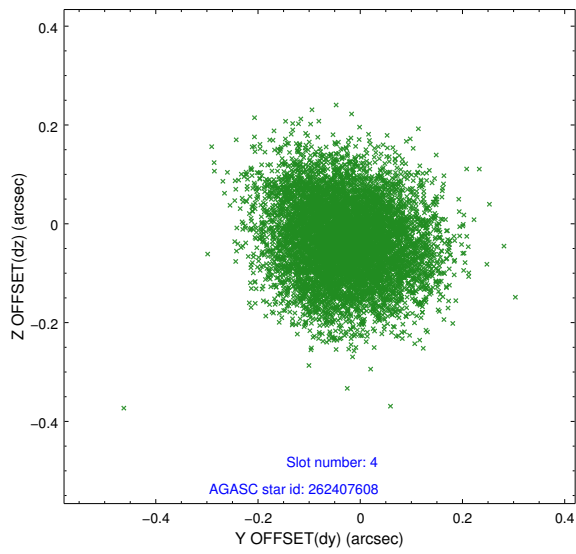
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2.4 Star Slots

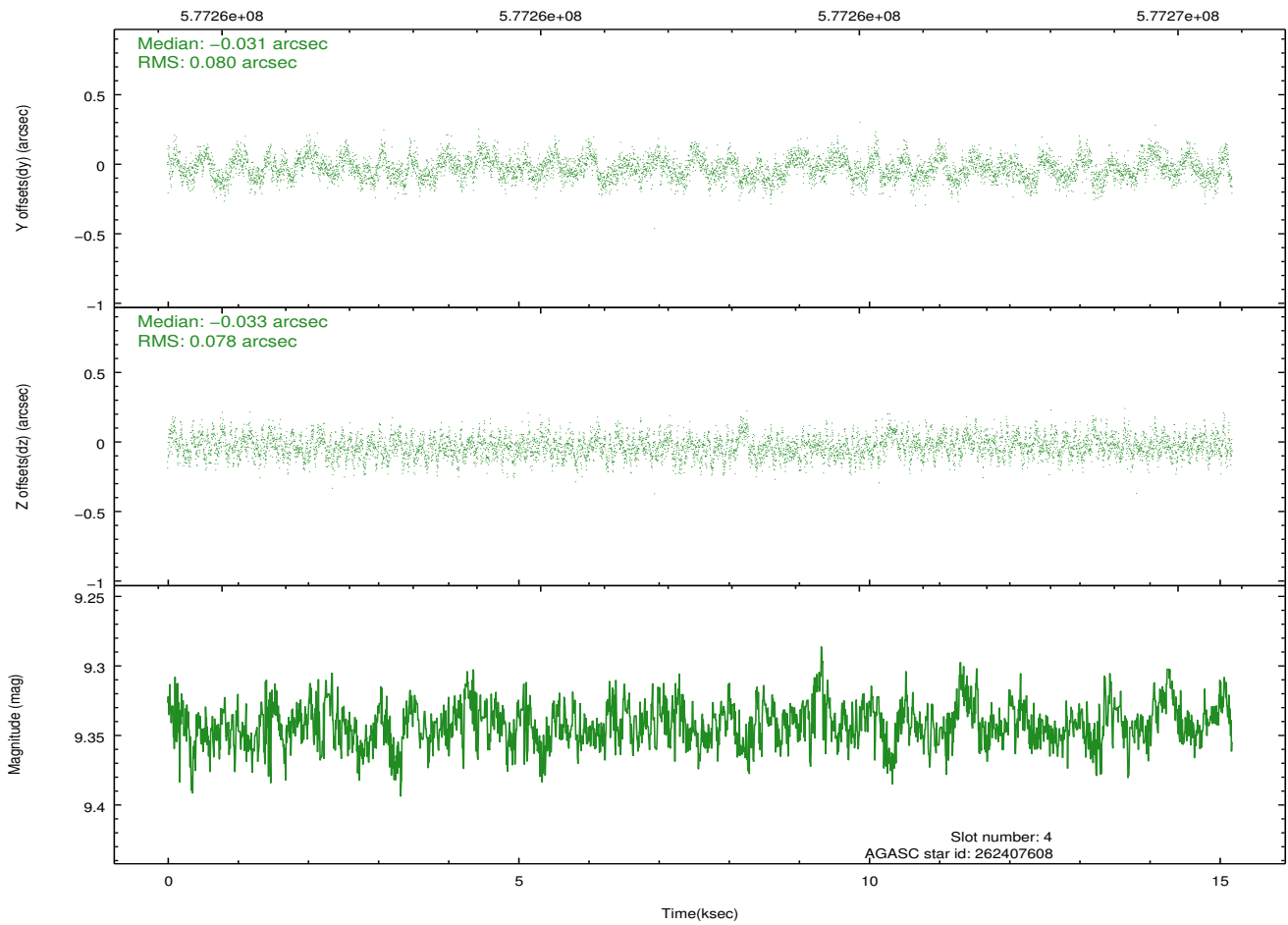
2.4.1 Slot 3



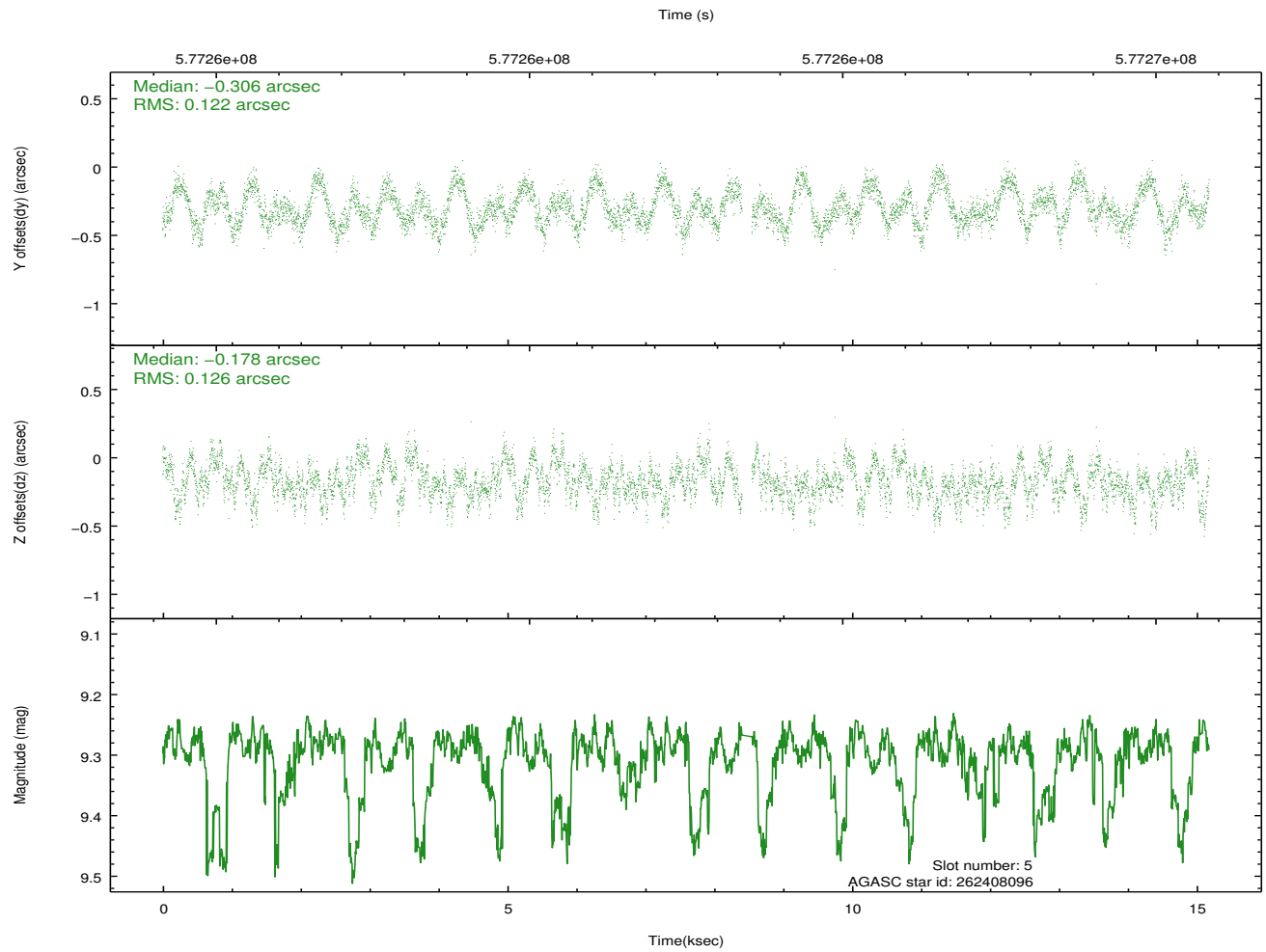
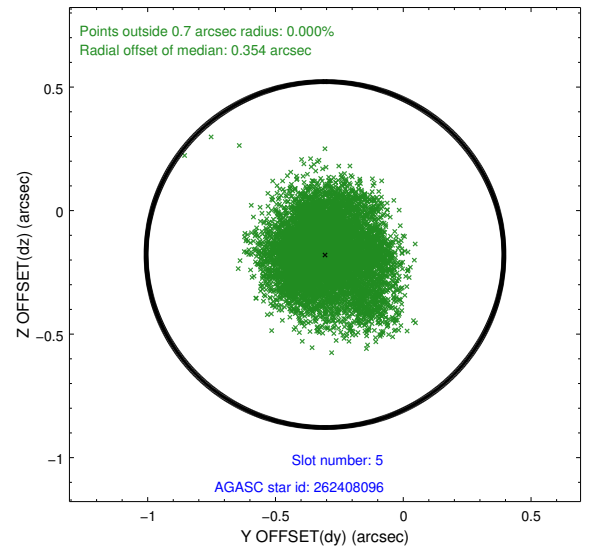
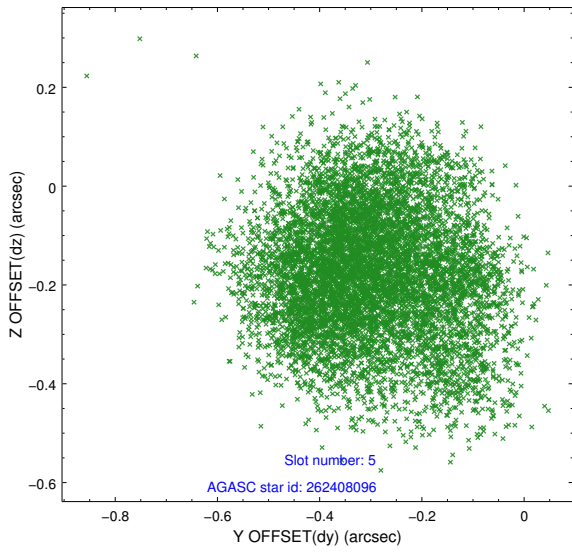
2.4.2 Slot 4



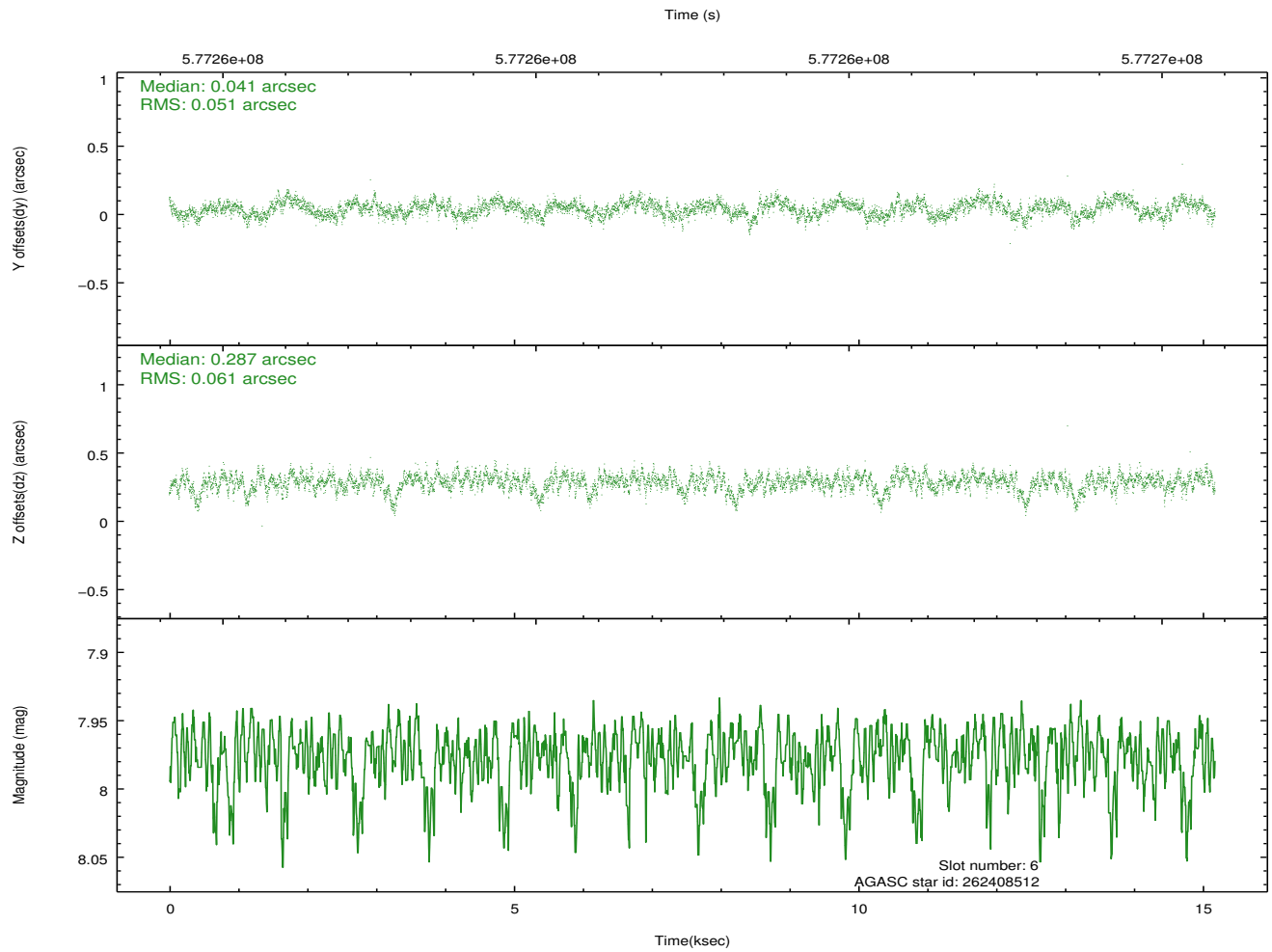
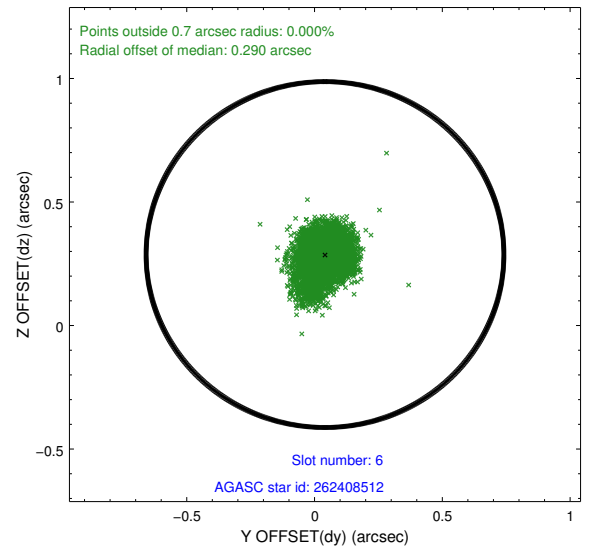
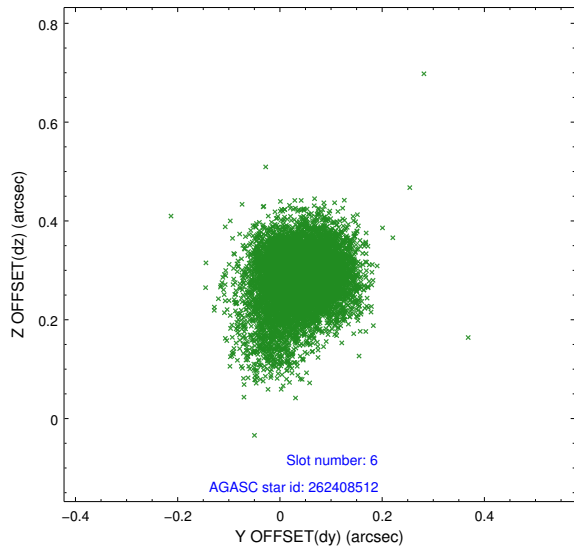
Time (s)



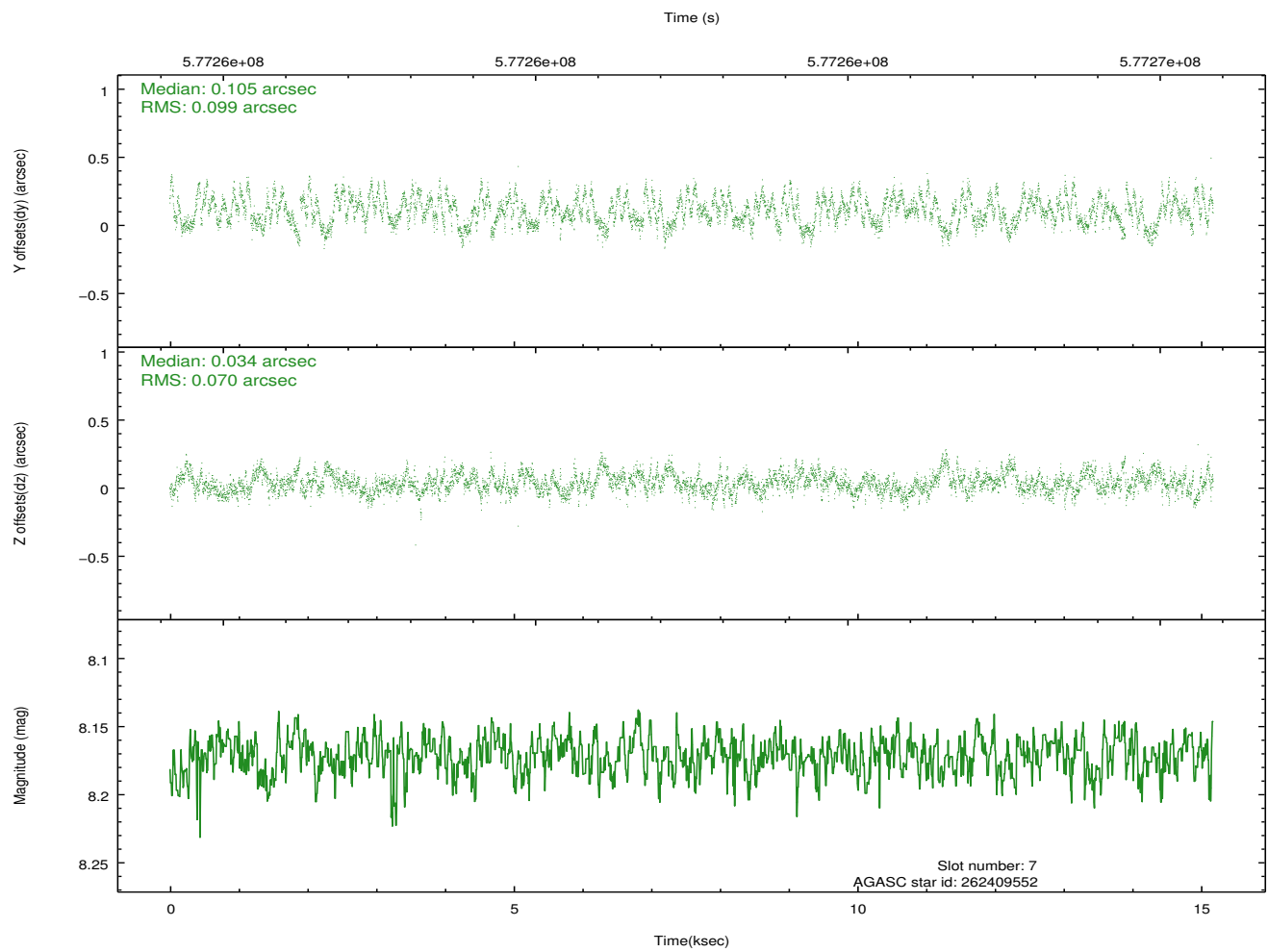
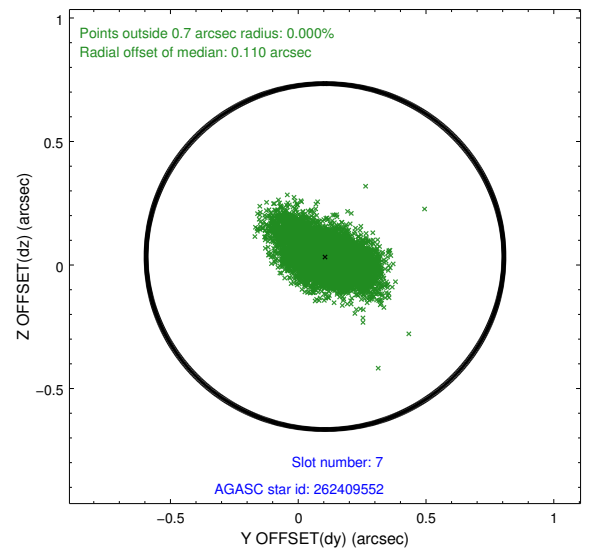
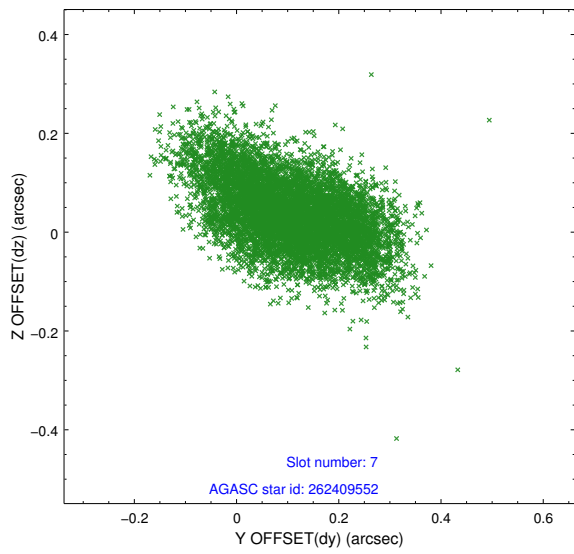
2.4.3 Slot 5



2.4.4 Slot 6

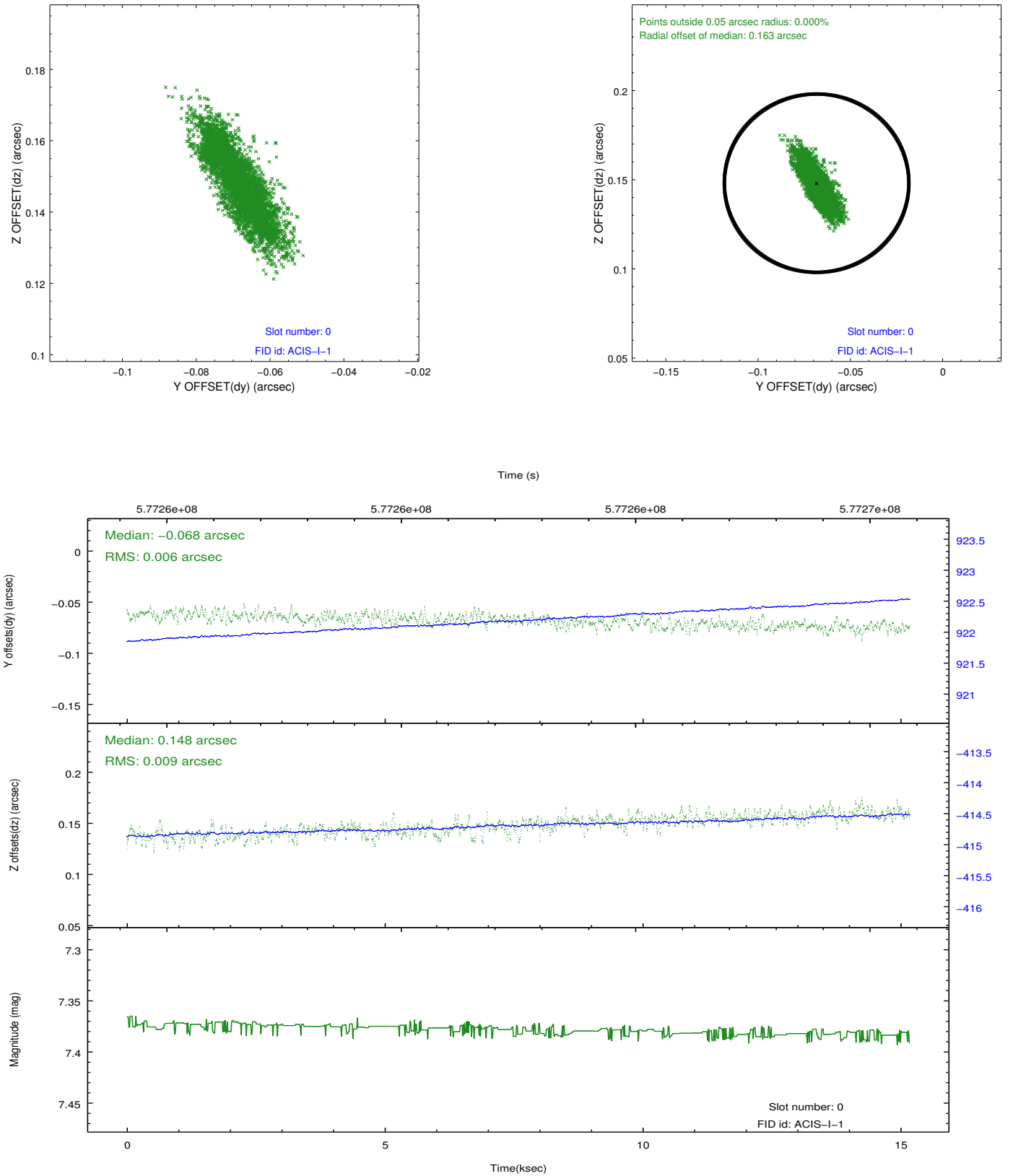


2.4.5 Slot 7

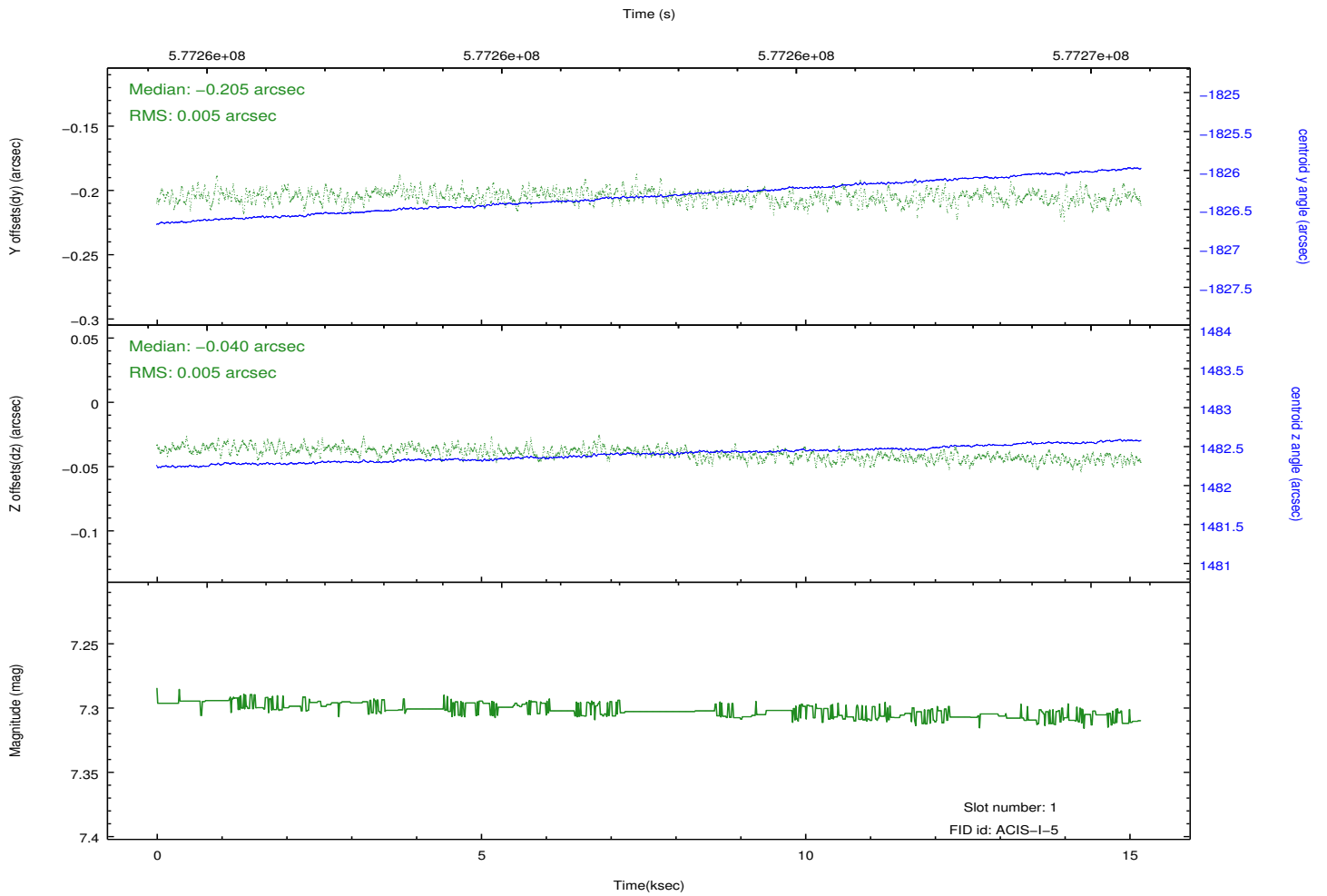
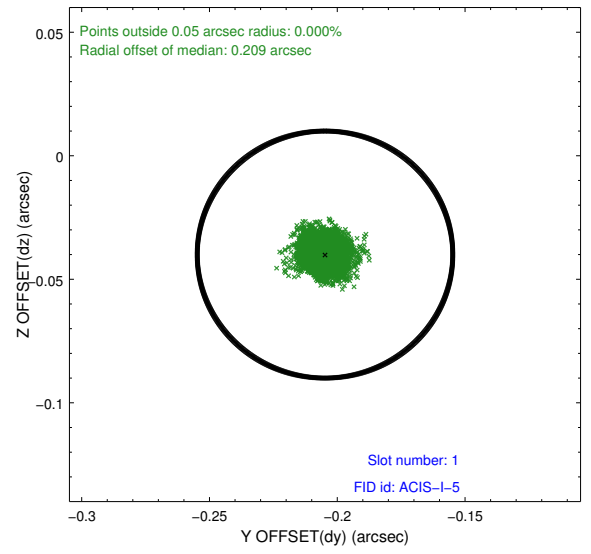
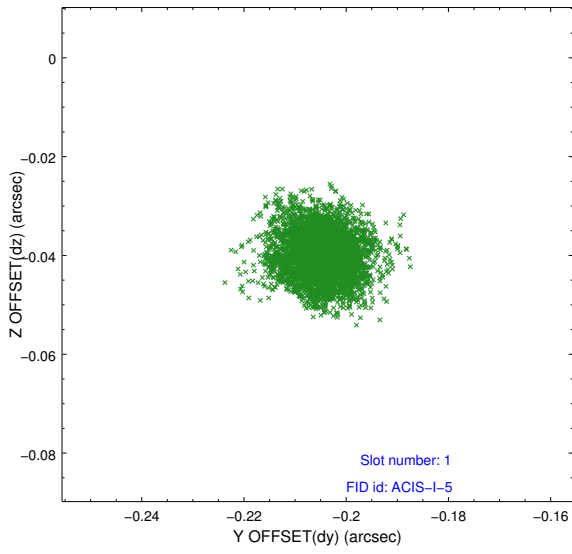


2.5 FID Slots

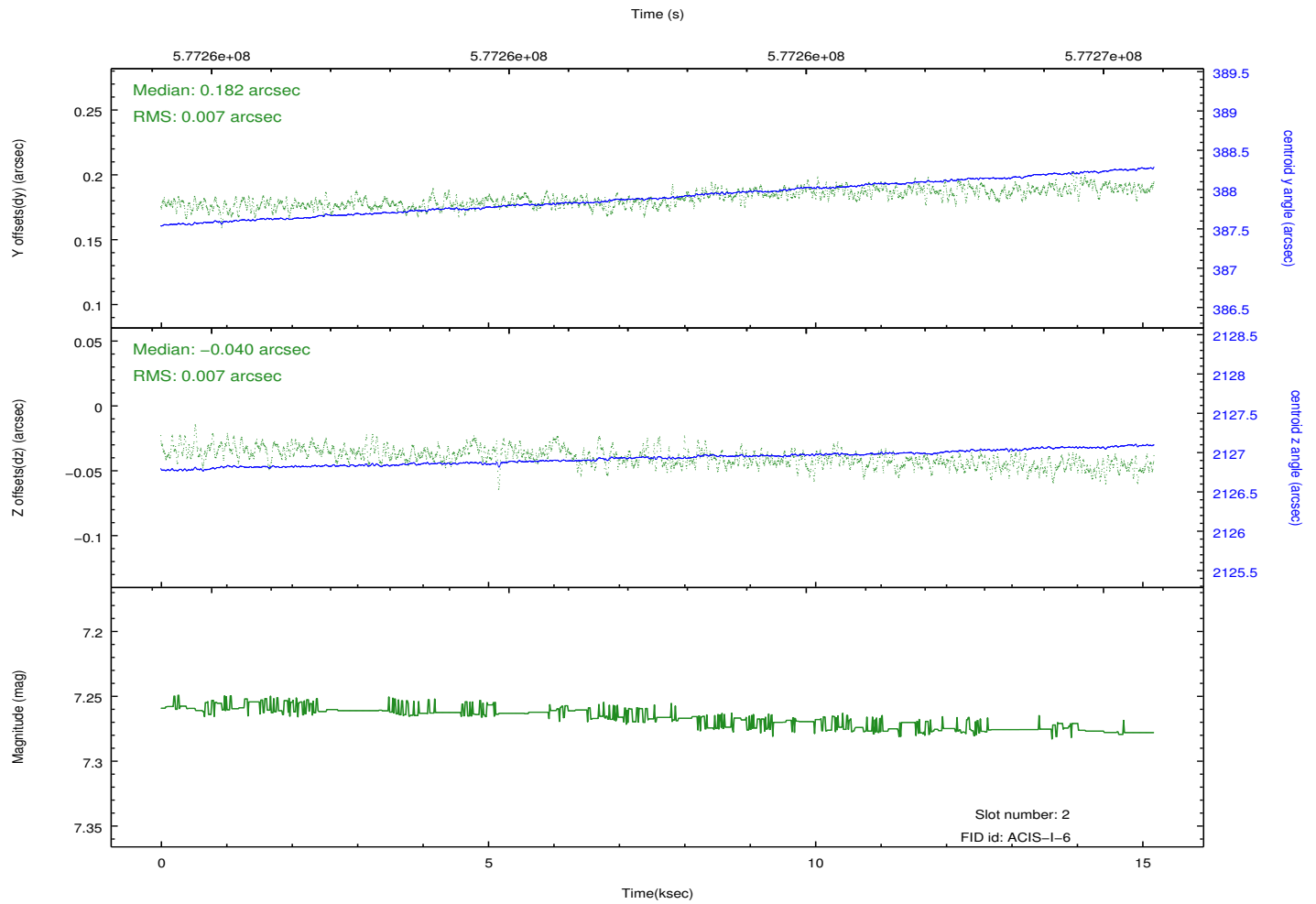
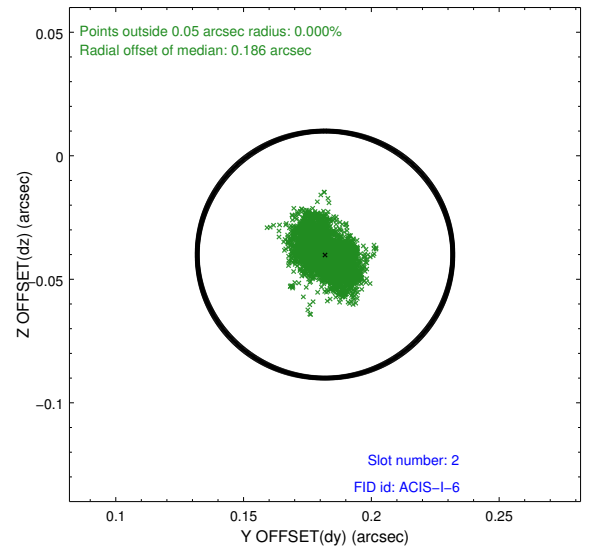
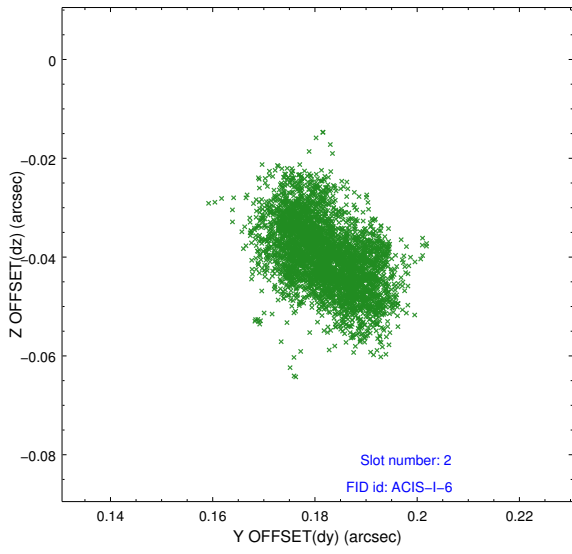
2.5.1 Slot 0



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)	2016.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.777166832447

A.2 Comments

Window preference met.