

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18429 - L2 Version 1
Chandra X-Ray Center

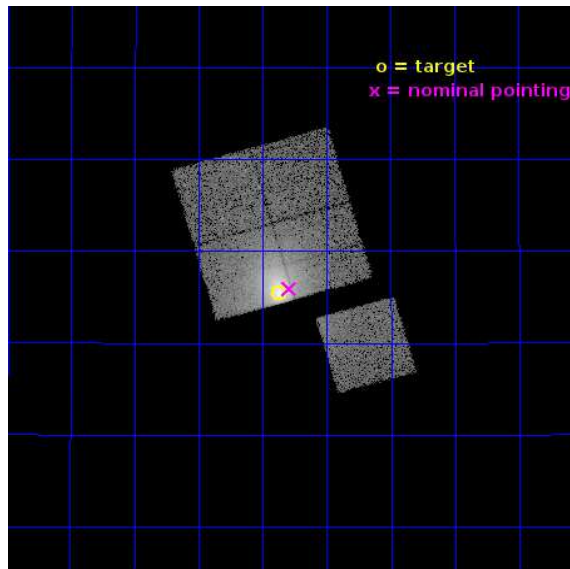
L2 Processing Date : Apr 9 2016

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1 Front

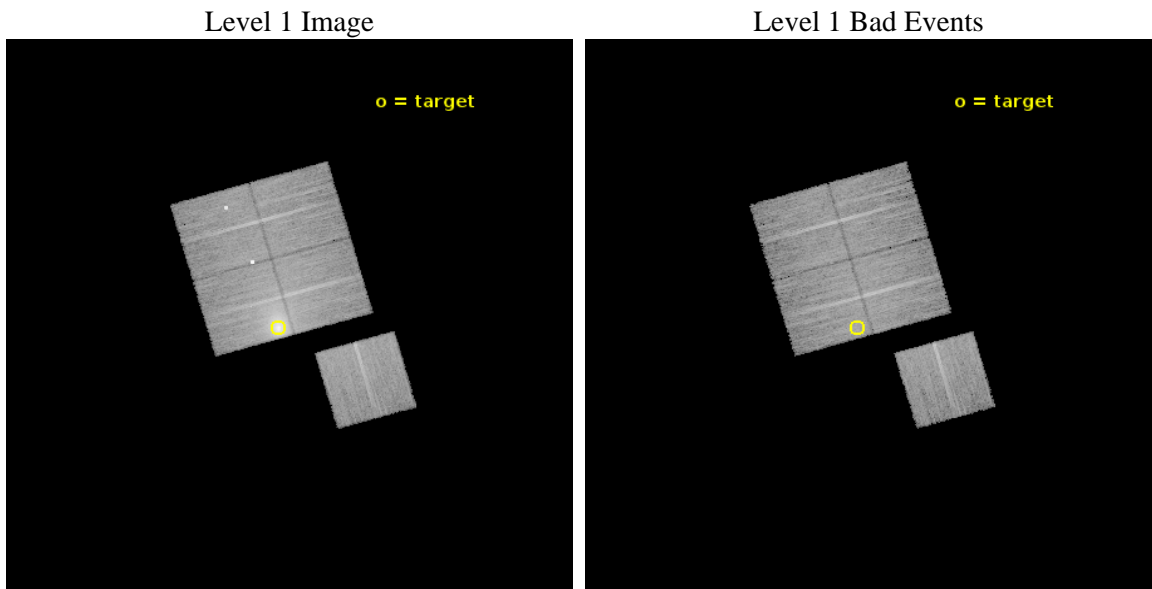
seq_num	890122	Sequence number
obs_id	18429	Observation id
title	AO-17 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.19800074815	Nominal RA [deg]
dec_nom	26.59886517912	Nominal Dec [deg]
roll_nom	163.96834425769	Nominal Roll [deg]
revision	1	Processing version of data
ontime	14773.578939795	Sum of GTIs [s]
livetime	14580.551254796	Livetime [s]
ontime0	14773.455819845	Sum of GTIs [s]
ontime1	14773.496859789	Sum of GTIs [s]
ontime2	14773.537899852	Sum of GTIs [s]
ontime3	14773.578939795	Sum of GTIs [s]
ontime6	14773.414779782	Sum of GTIs [s]
l2events	113972	Number of level 2 events



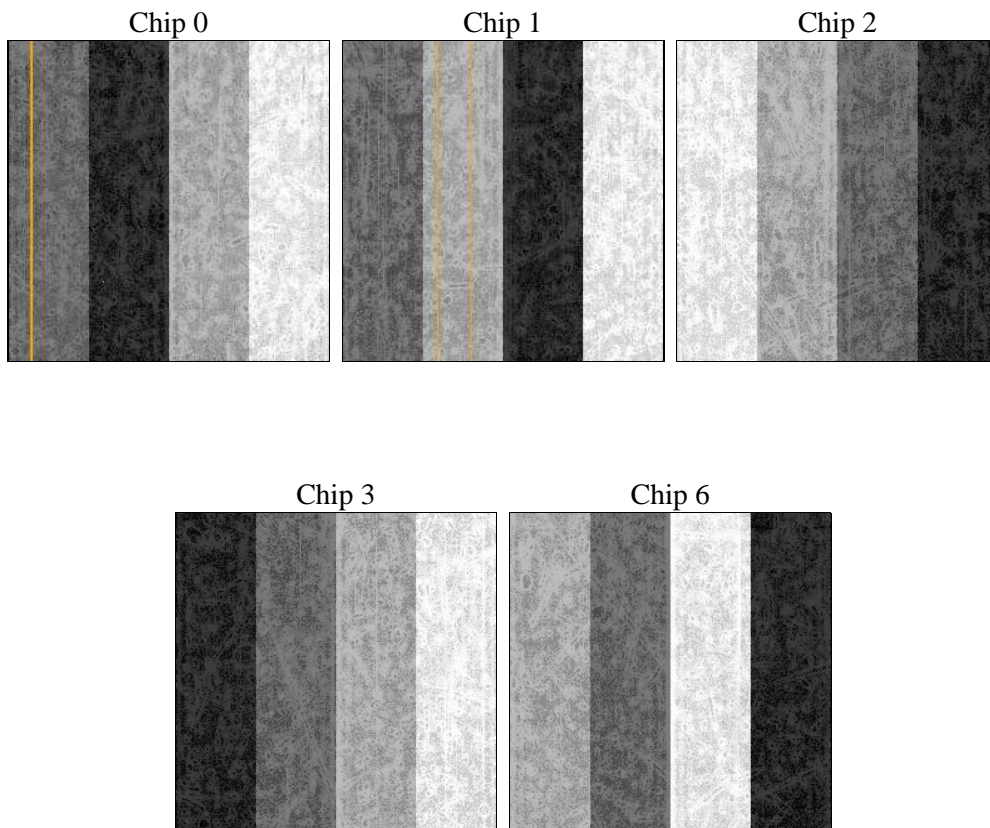
2 OBI

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	14773.578939795	Sum of GTIs [s]
caldbver	4.7.1	 	ontime0	14773.455819845	Sum of GTIs [s]
date	2016-04-09T18:35:56	Date and time of file creation	ontime1	14773.496859789	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	14773.537899852	Sum of GTIs [s]
			ontime3	14773.578939795	Sum of GTIs [s]
			ontime6	14773.414779782	Sum of GTIs [s]
			l1events	545634	Number of level 1 events

2.1.4 Events

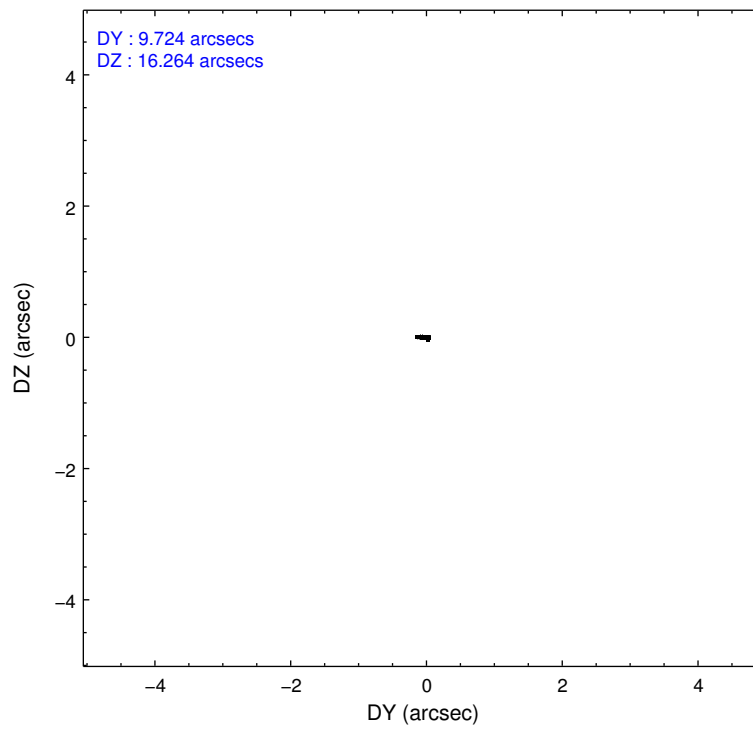
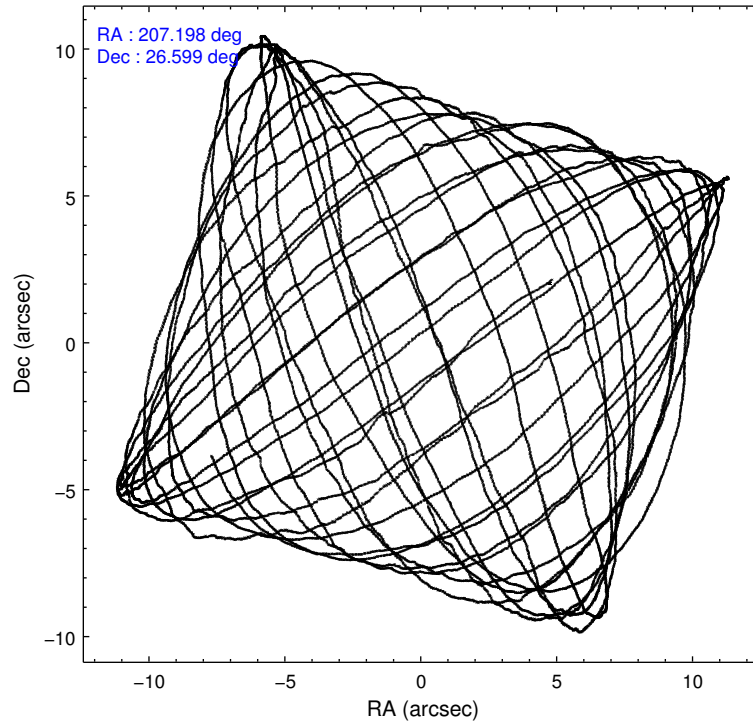
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	89134	97383	110311	152809	95997
rejected events	78490	78302	89159	84557	84084
rejected %	88%	80%	80%	55%	87%

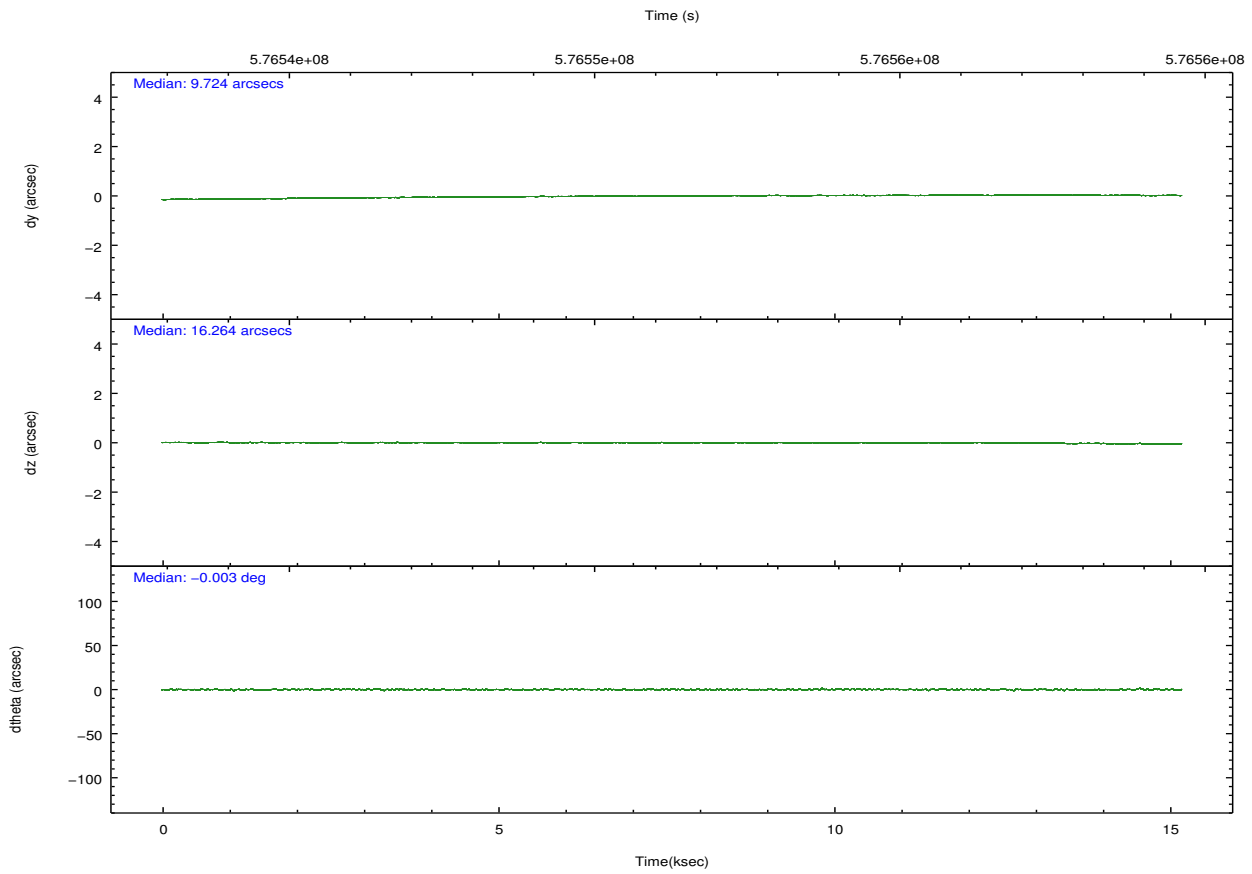
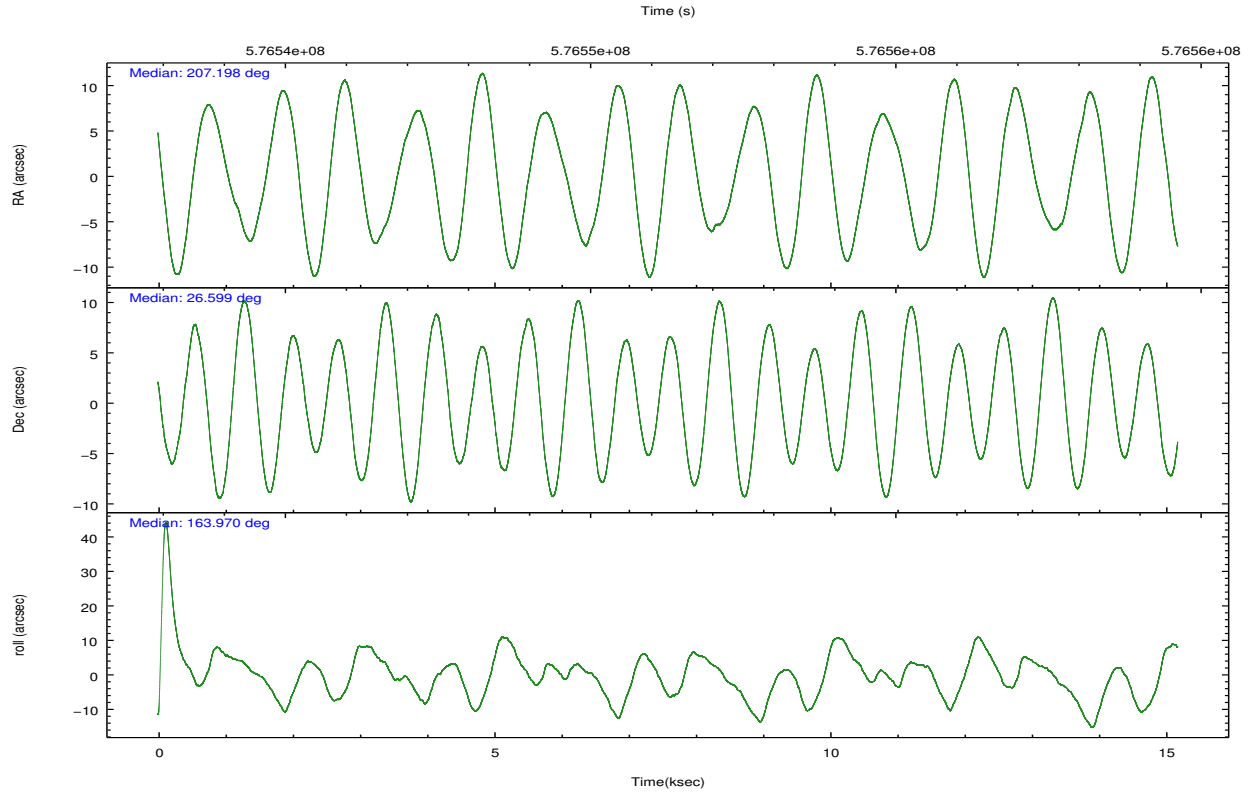
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3827	11224	12680	50283	4504
	4%	11%	11%	32%	4%
grade 1 events	58	73	88	318	49
	0%	0%	0%	0%	0%
grade 2 events	2510	2878	3403	8165	2705
	2%	2%	3%	5%	2%
grade 3 events	1080	1141	1414	2962	1027
	1%	1%	1%	1%	1%
grade 4 events	1031	1116	1390	2927	1011
	1%	1%	1%	1%	1%
grade 5 events	3803	4086	3778	4748	4186
	4%	4%	3%	3%	4%
grade 6 events	2200	2731	2272	3943	2669
	2%	2%	2%	2%	2%
grade 7 events	74625	74134	85286	79463	79846
	83%	76%	77%	52%	83%

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	207.227936	207.1980007481507	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.605660	26.5988651791197	Alternating exposures requested	N	N
[deg] Pointing Roll	163.746254	163.9683442576946	[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	-214.092463	-214.0989765584371			
[mm] SIM translation stage offset	-19.5	-19.49347644449256			
[s] Observation start time (MET)	576543842.184000	576543466.2871701			
Observation start date	2016-04-08T23:02:54	2016-04-08T22:57:46			
[s] Observation end time (MET)	576558842.184000	576559686.9131			
Observation end date	2016-04-09T03:12:54	2016-04-09T03:28:06			
Read mode	TIMED	TIMED			

2.3 Aspect



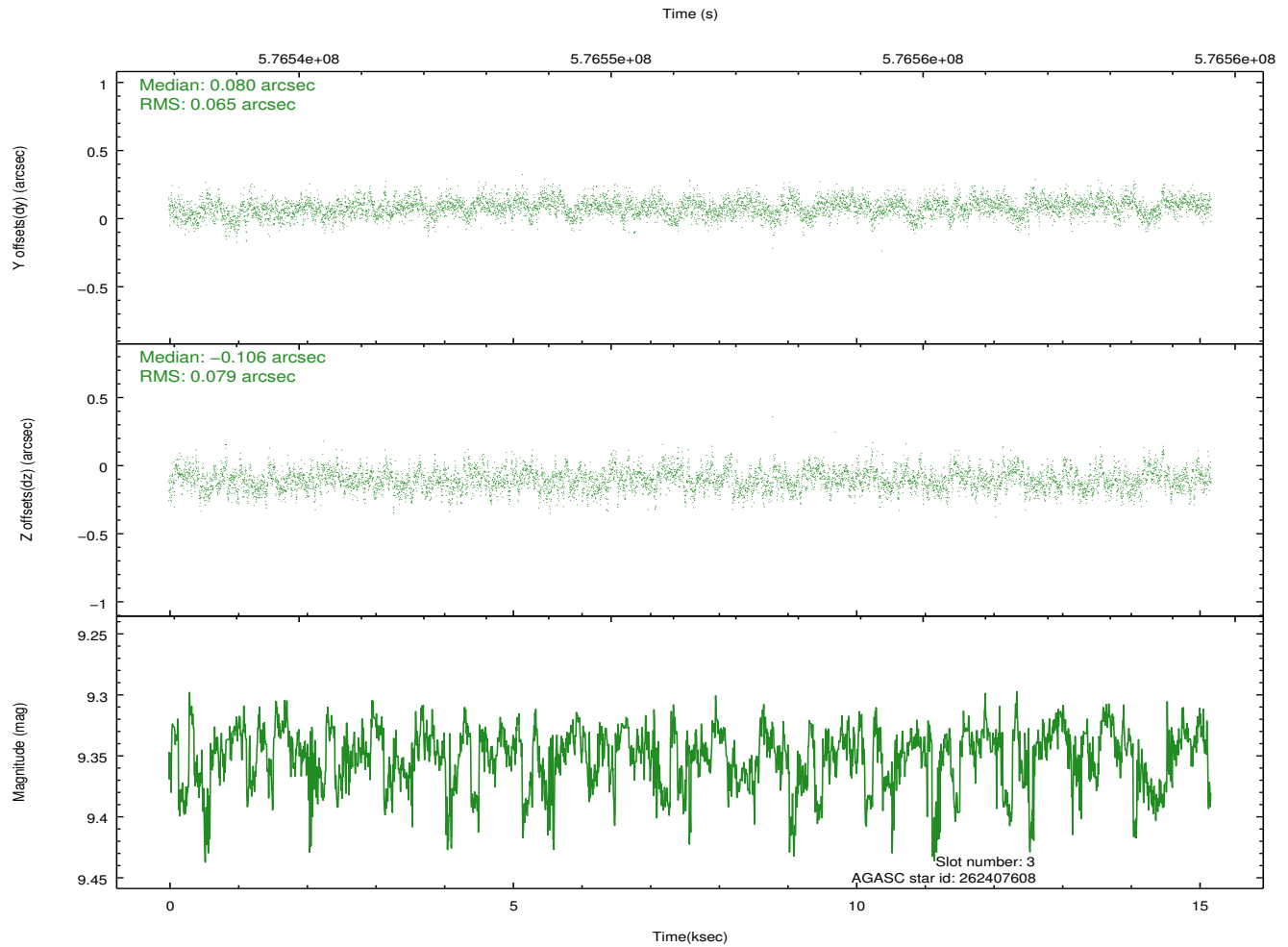
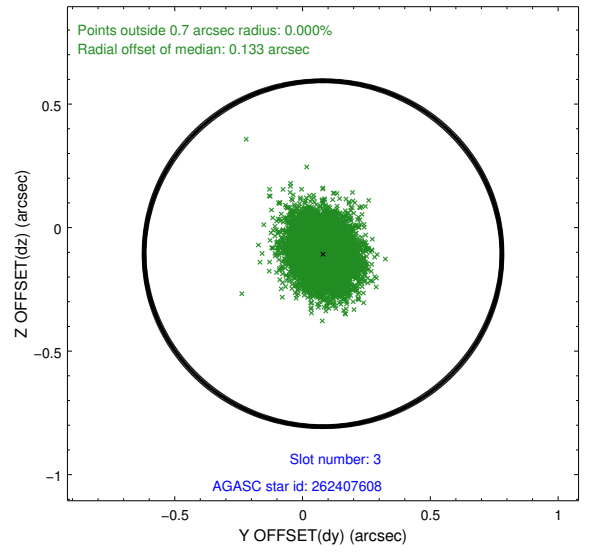
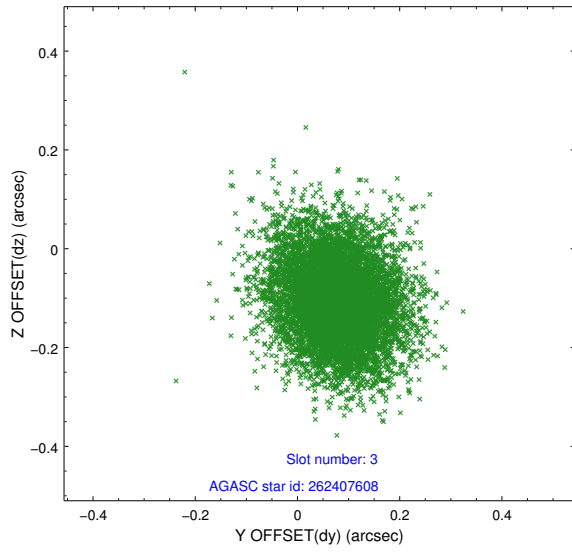


Slot Statistics

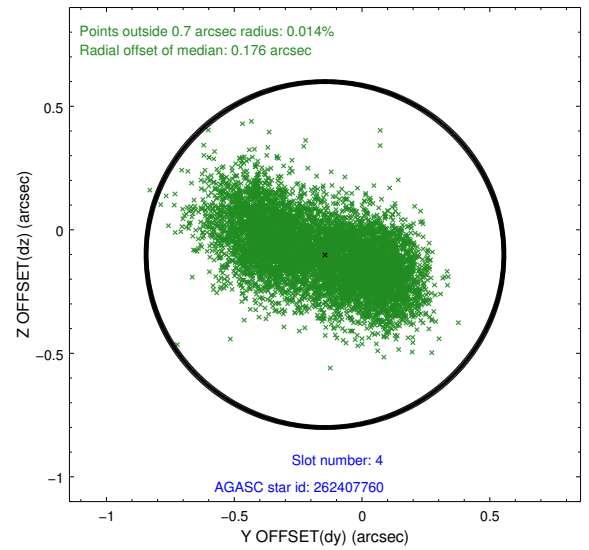
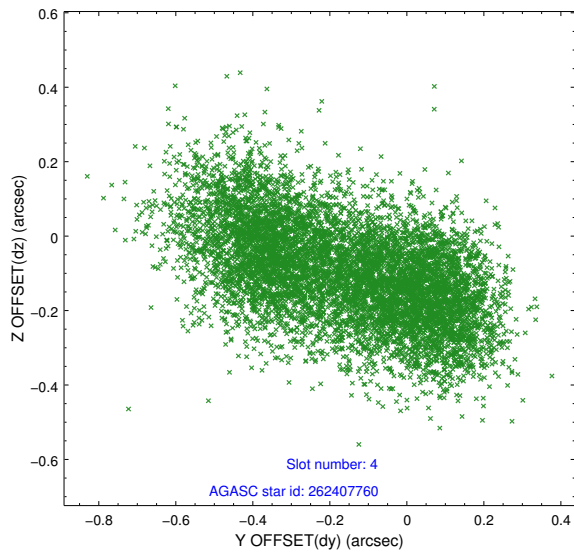
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	3703	0.306	-0.240	0.007	0.012	0.000000	0.000000	929.87	-1240.45
1	FID		ACIS-I-5	7.24	3702	-0.561	0.192	0.006	0.012	0.000000	0.000000	-1818.98	657.16
2	FID		ACIS-I-6	7.29	3703	0.164	0.118	0.007	0.012	0.000000	0.000000	394.90	1301.98
3	GUIDE	used	262407608	9.35	7397	0.080	-0.106	0.109	0.177	207.378401	26.435507	-636.73	451.98
4	GUIDE	used	262407760	9.85	7161	-0.145	-0.100	0.278	0.423	206.566773	26.577263	2017.02	688.75
5	GUIDE	used	262408096	9.34	7399	0.024	-0.127	0.253	0.364	207.011678	26.515421	579.36	506.18
6	GUIDE	used	262408512	7.97	7404	0.152	0.197	0.106	0.171	207.800210	27.128796	-1231.45	-2324.90
7	GUIDE	used	262408936	9.67	7397	-0.081	0.107	0.147	0.248	207.154731	26.726554	347.65	-352.12

2.4 Star Slots

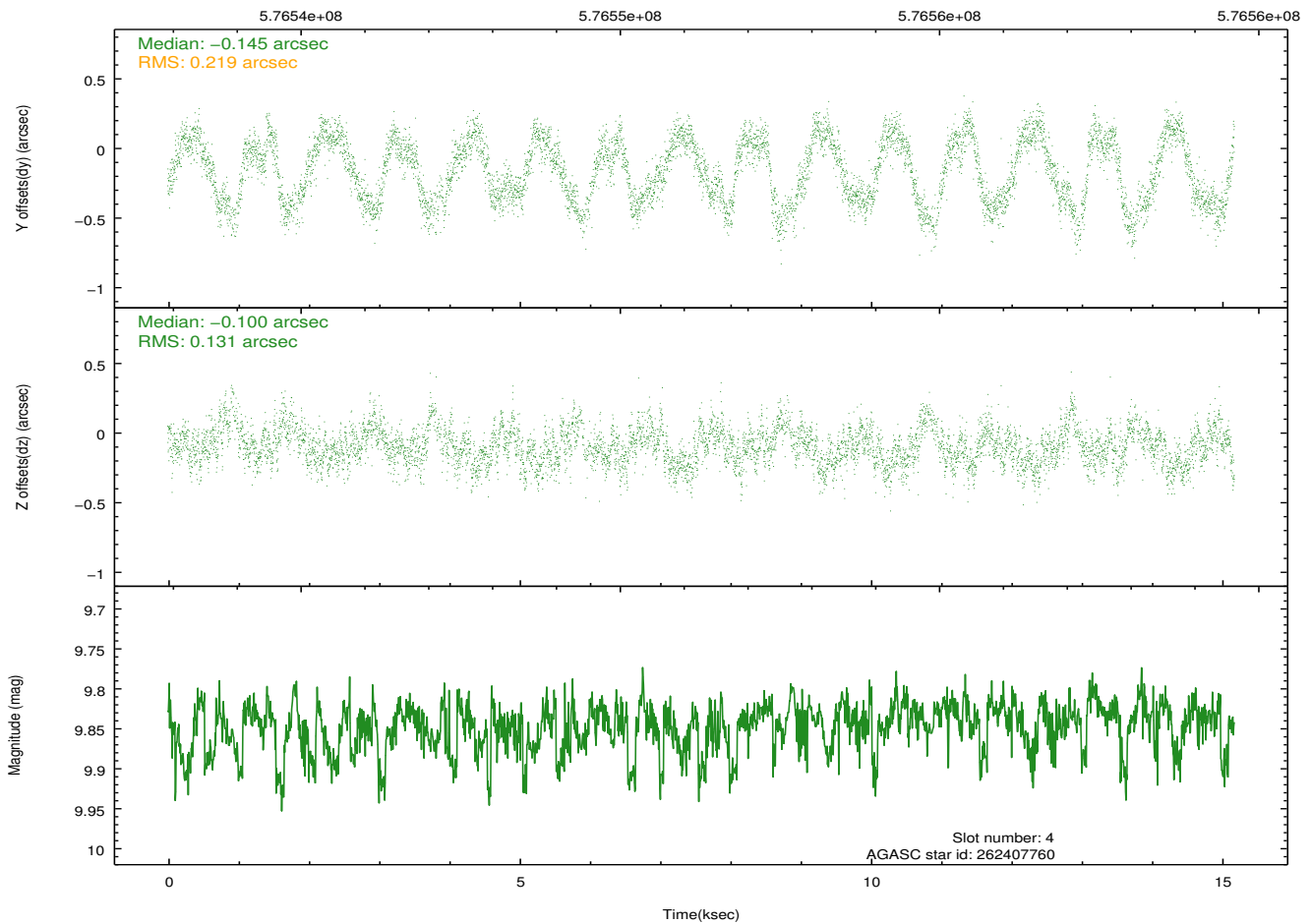
2.4.1 Slot 3



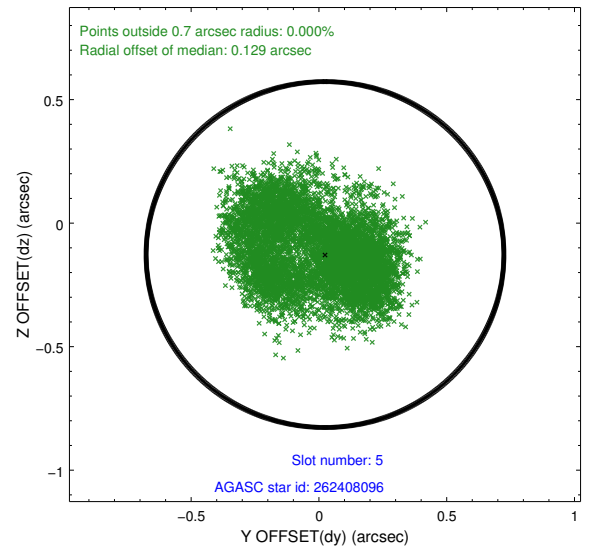
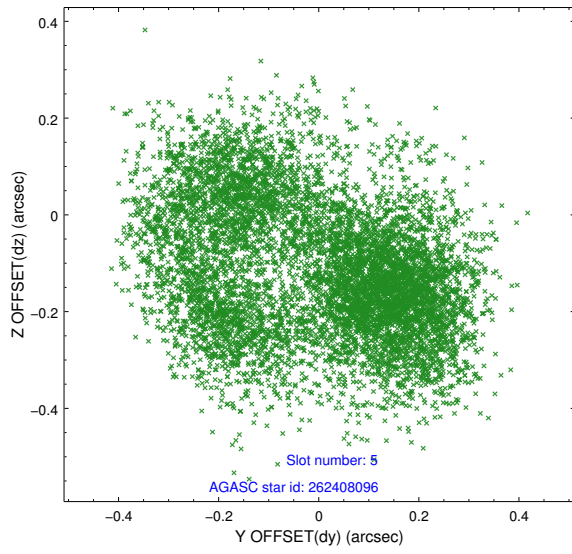
2.4.2 Slot 4



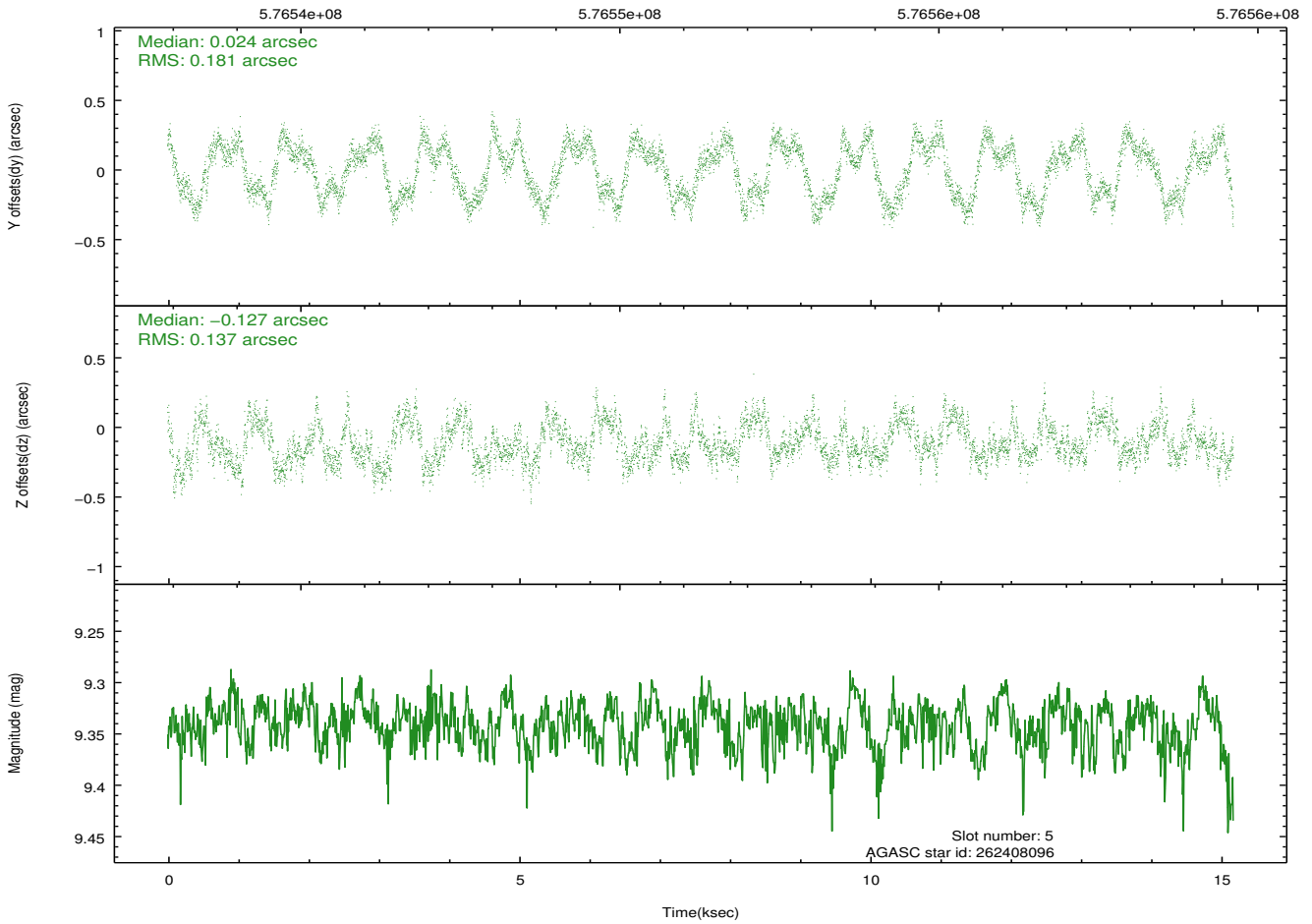
Time (s)



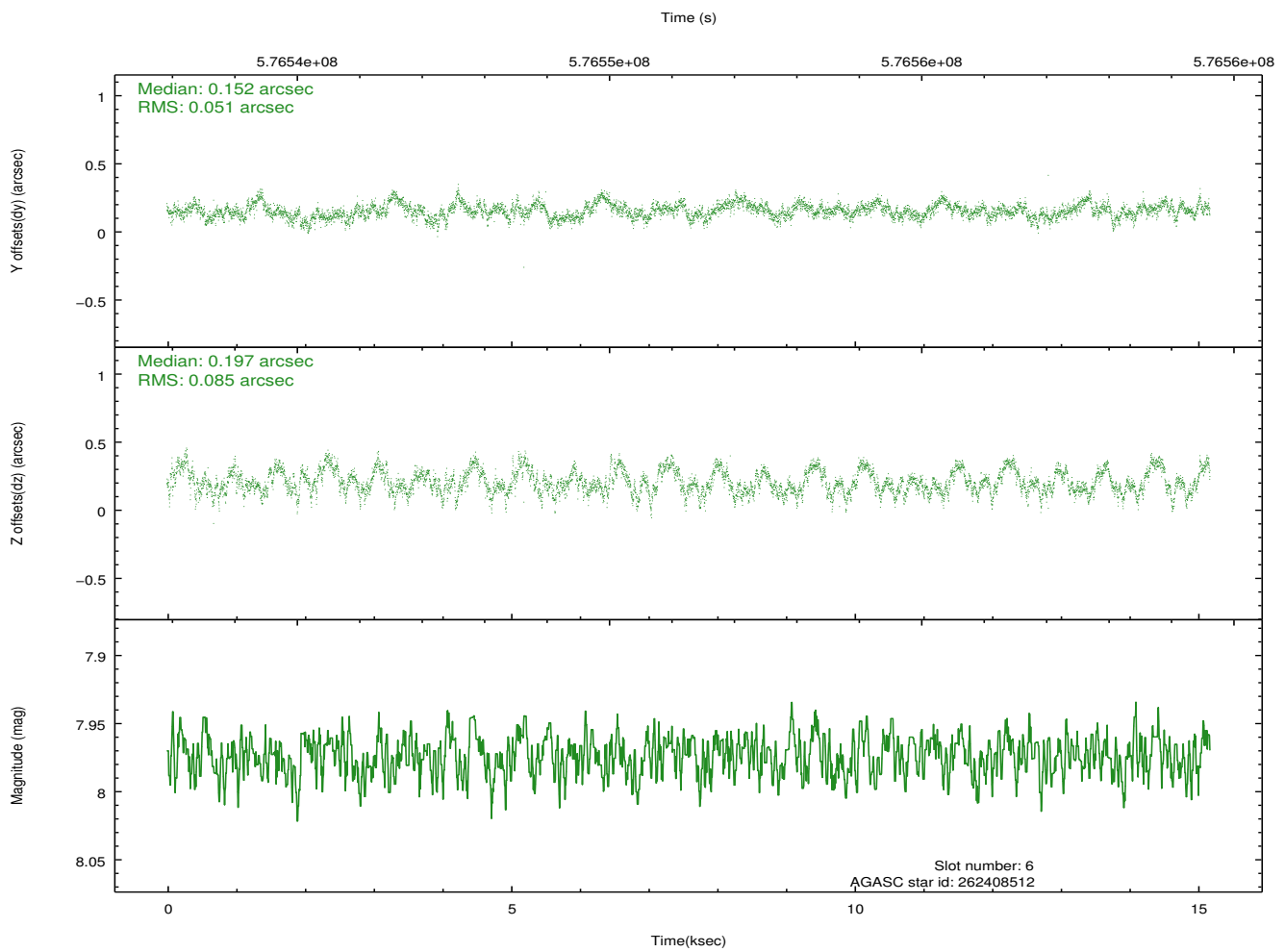
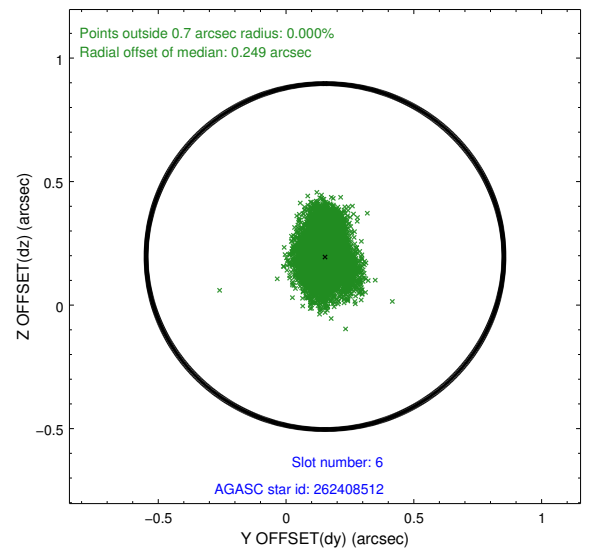
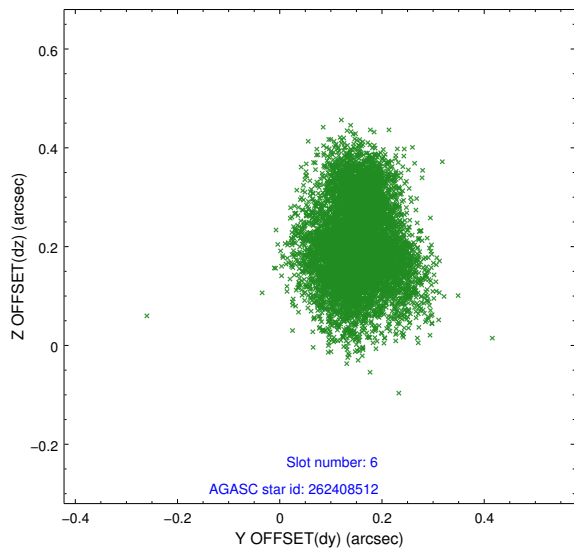
2.4.3 Slot 5



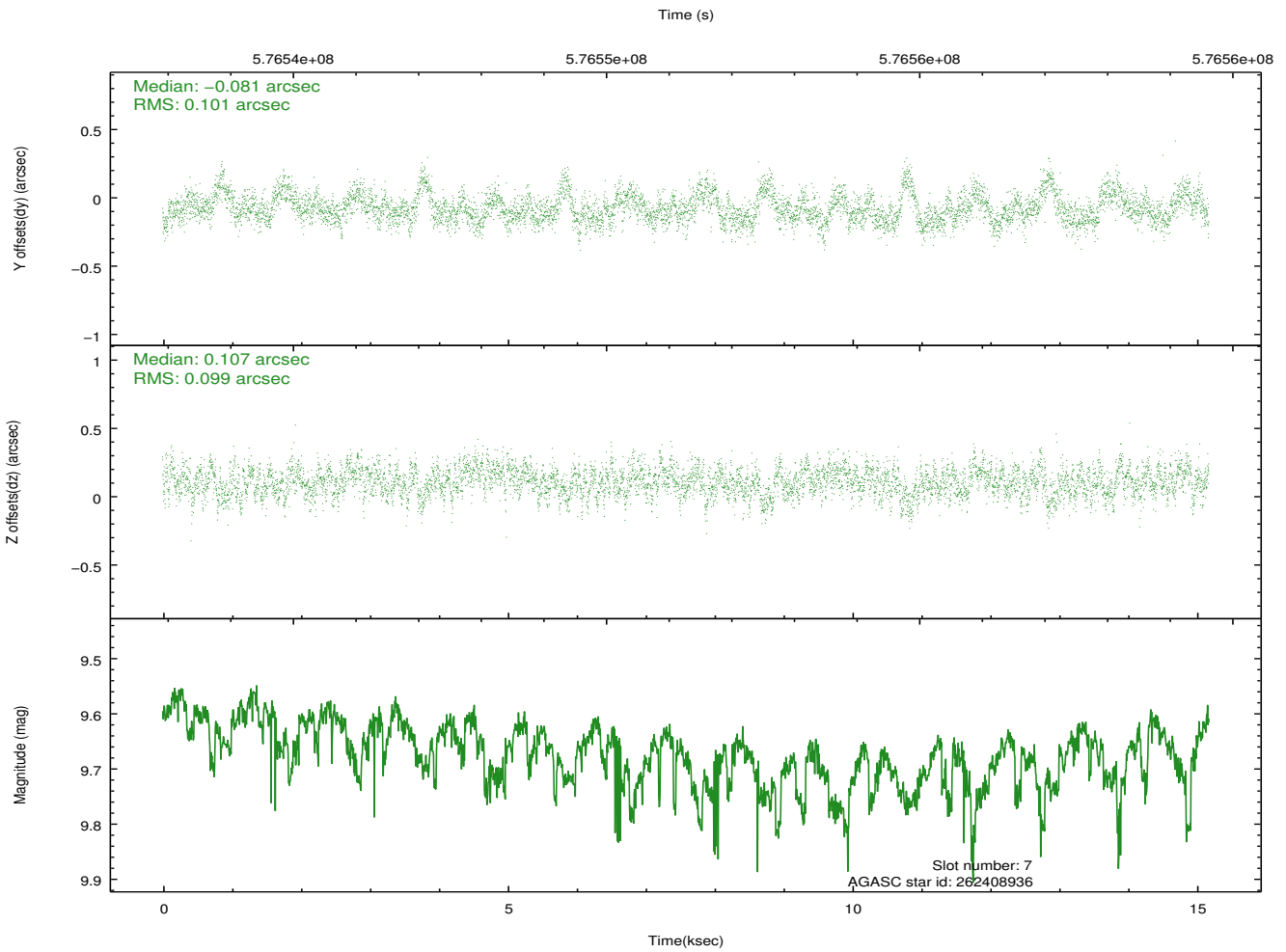
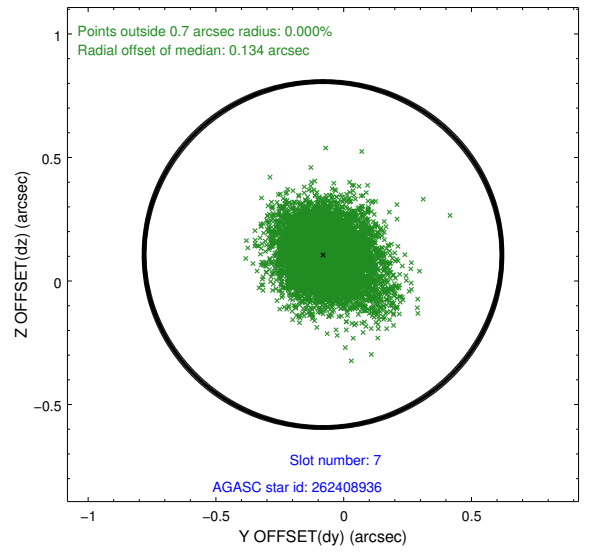
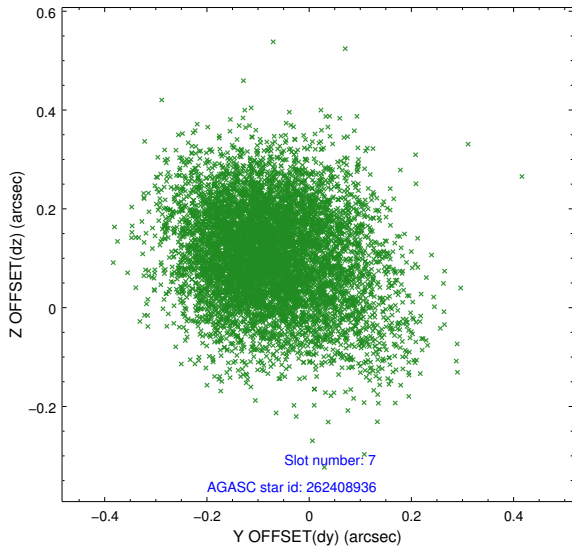
Time (s)



2.4.4 Slot 6

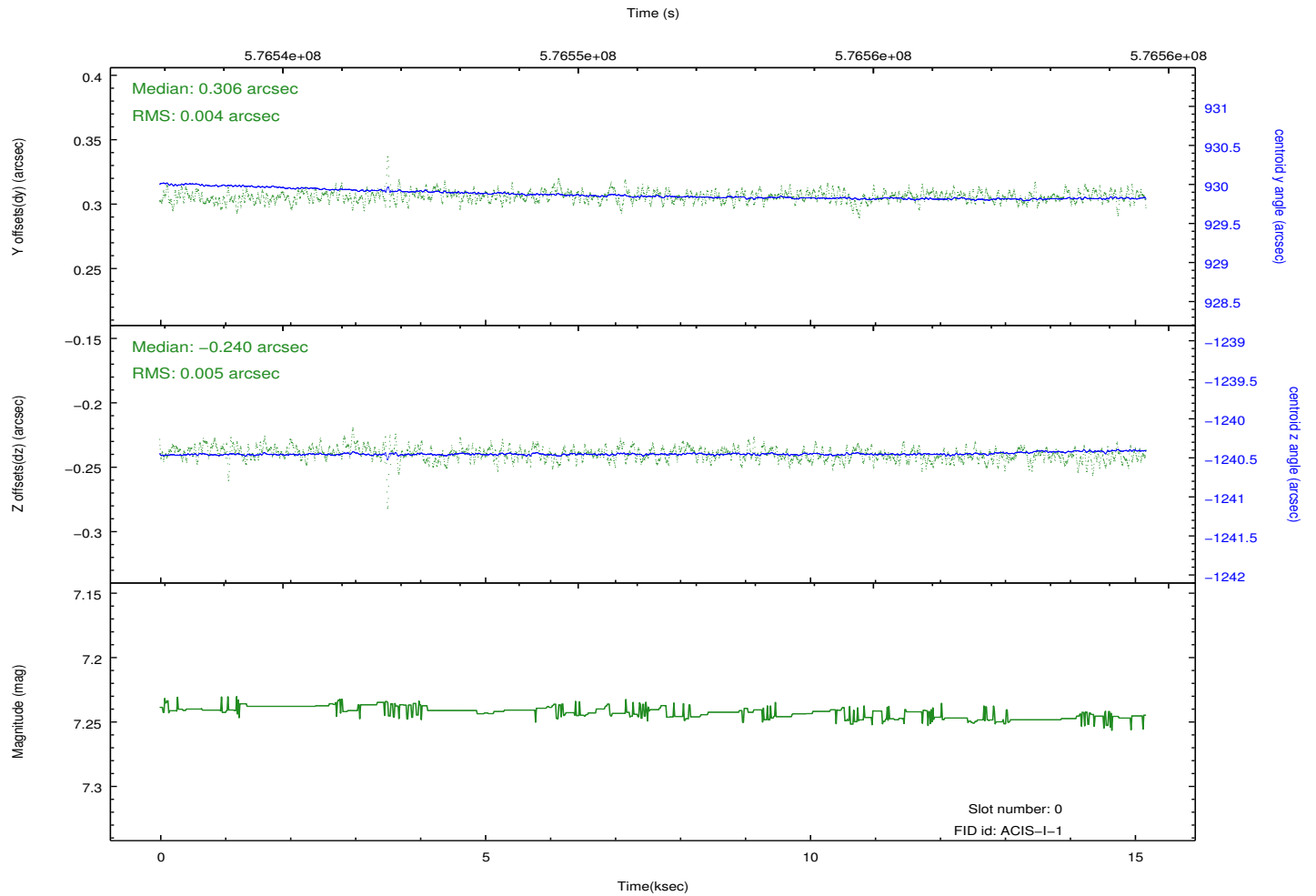
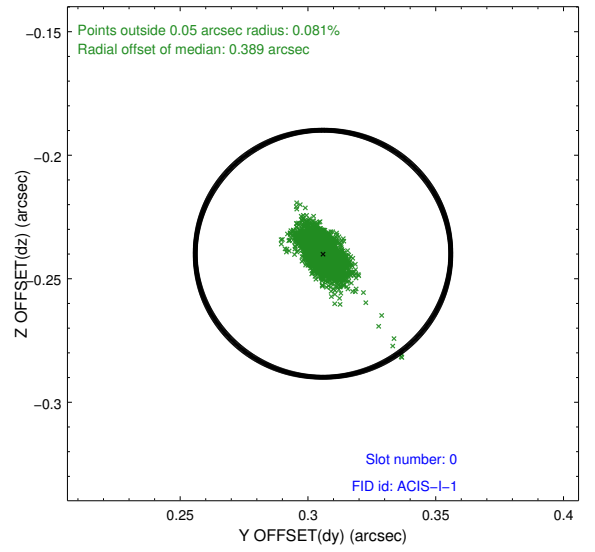
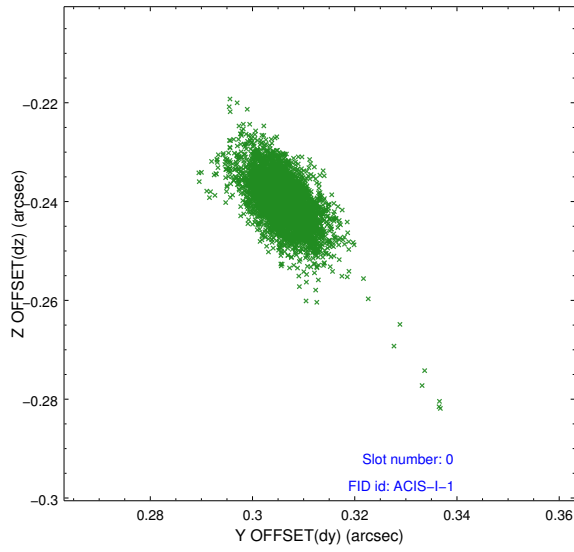


2.4.5 Slot 7

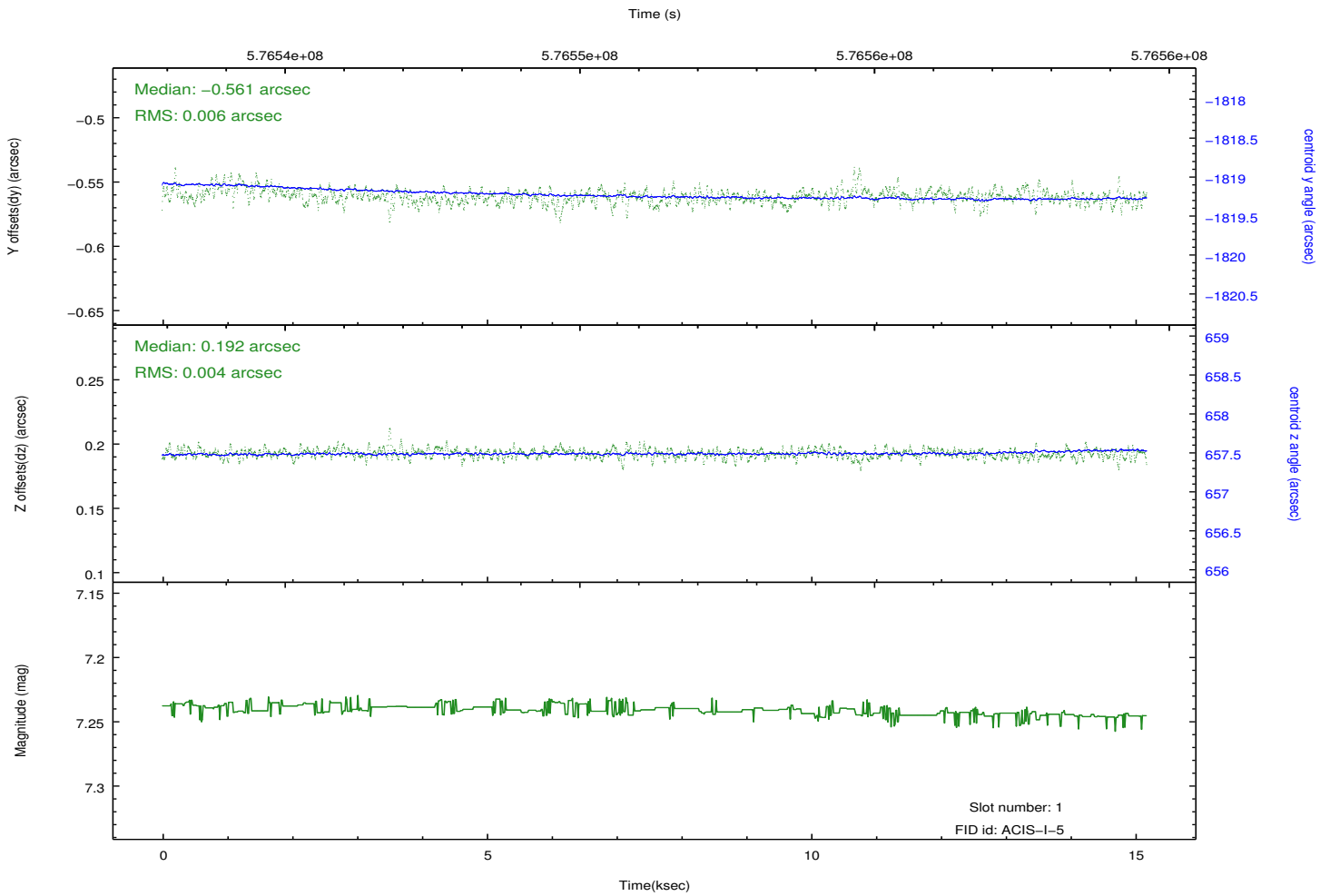
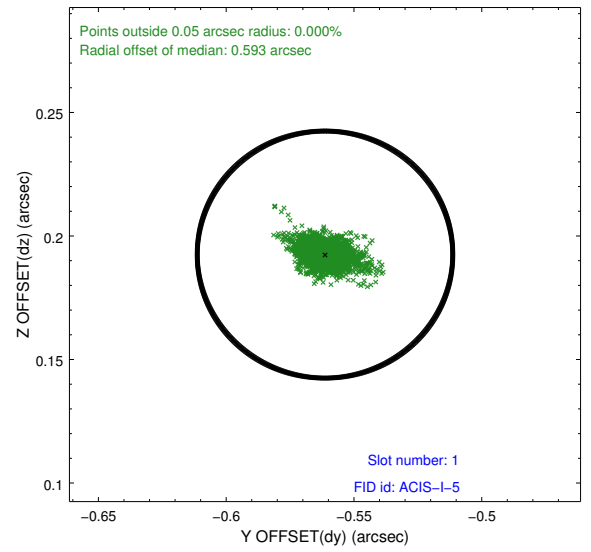
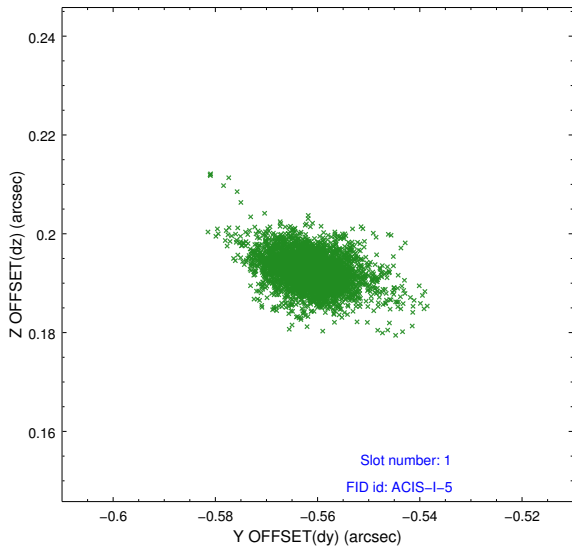


2.5 FID Slots

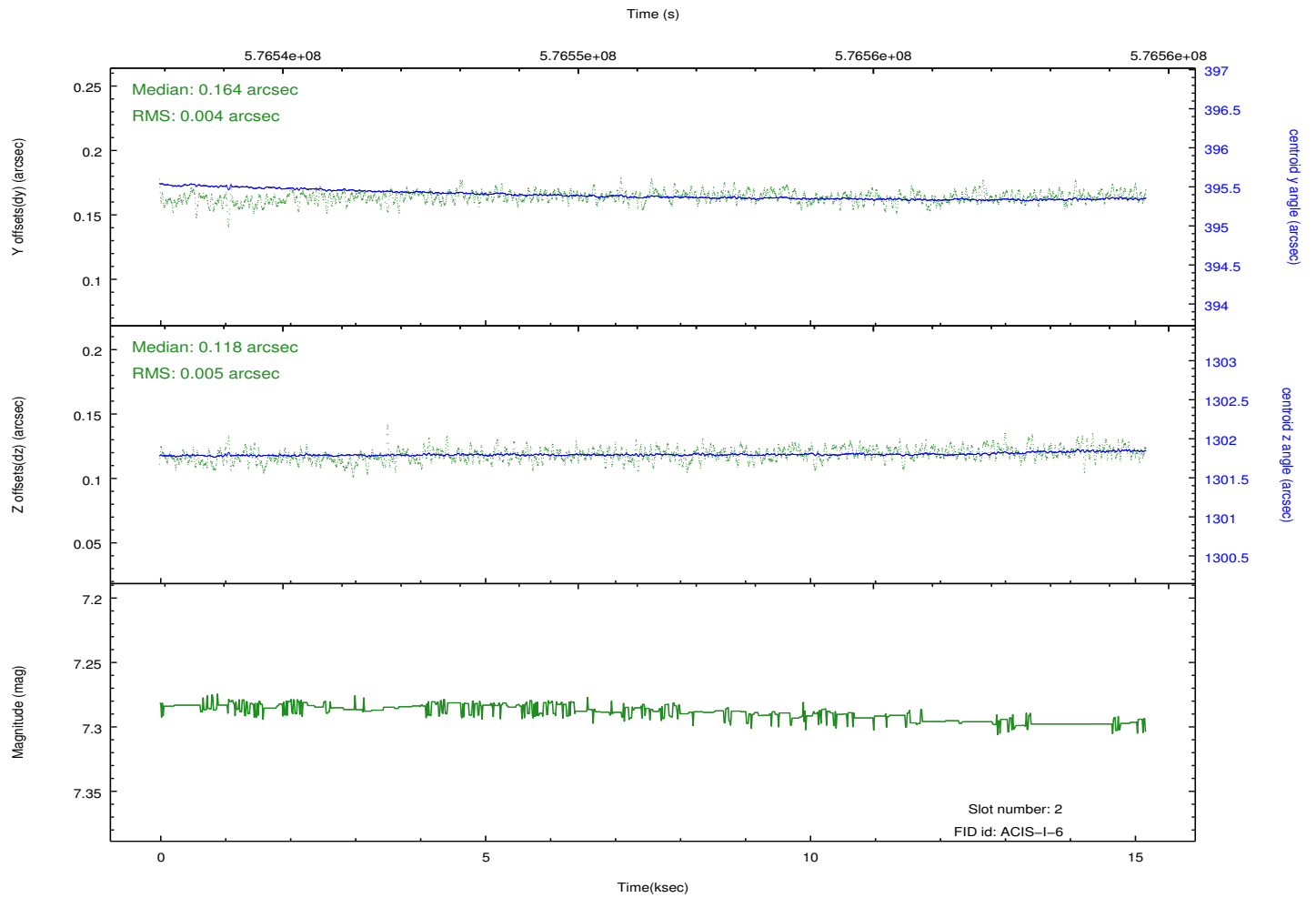
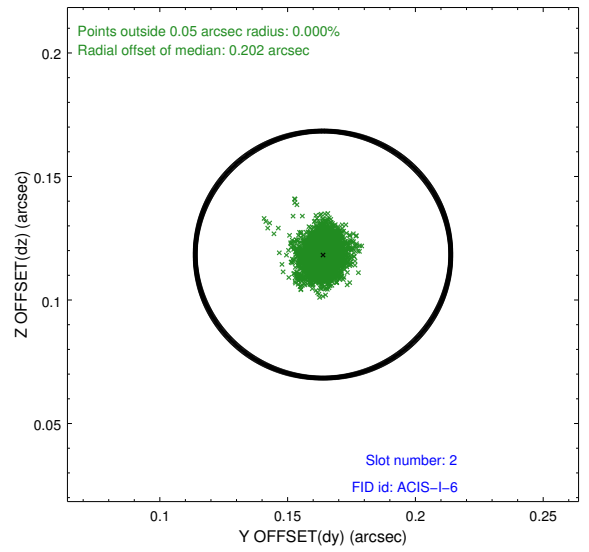
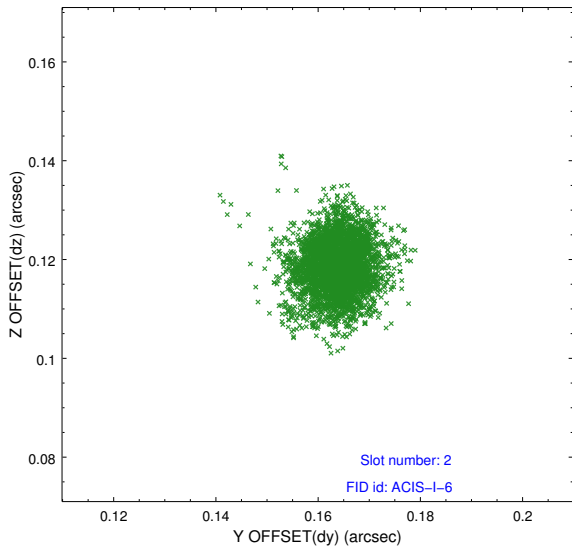
2.5.1 Slot 0



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)	2016.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.773578939795

A.2 Comments

Window preference met.