

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 16128 - L2 Version 1
Chandra X-Ray Center

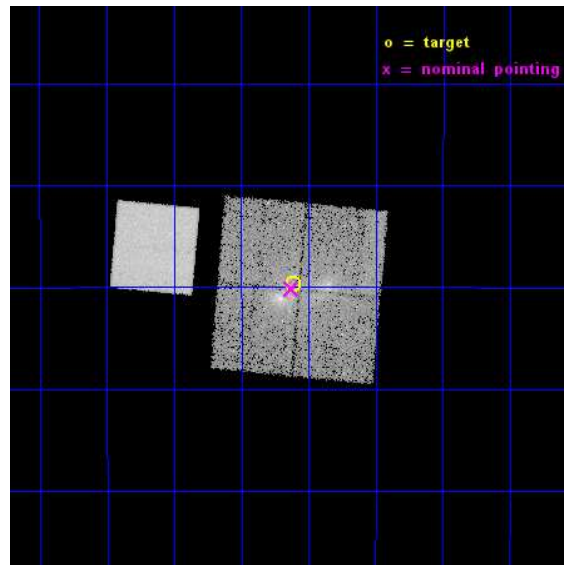
L2 Processing Date : Apr 25 2015

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1 Front

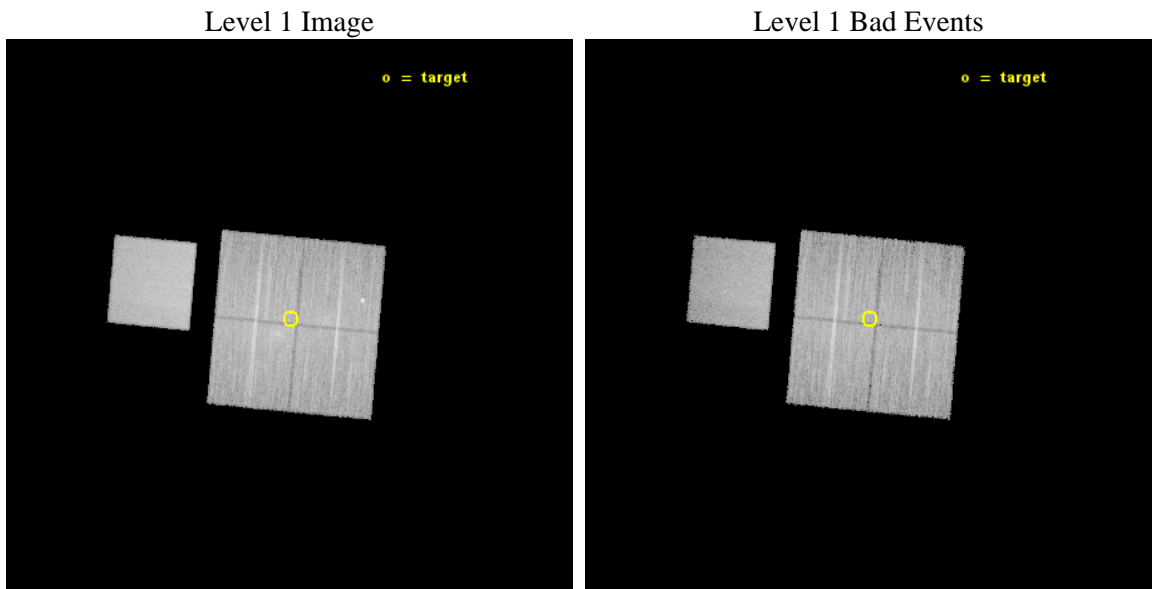
seq_num	801382	Sequence number
obs_id	16128	Observation id
title	SNAPSHOTS IN THE HISTORY OF DISSOCIATIVE MAJOR MERGERS	Proposal ti
observer	Dr Florian Pacaud	Principal investigator
object	RXC J1135.6-2019	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.903333	Observer's specified target RA [deg]
dec_targ	-20.328333	Observer's specified target Dec [deg]
ra_nom	173.90669598663	Nominal RA [deg]
dec_nom	-20.33586948863	Nominal Dec [deg]
roll_nom	275.30392570289	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25057.300192833	Sum of GTIs [s]
livetime	24729.908118898	Livetime [s]
ontime0	25057.300192833	Sum of GTIs [s]
ontime1	25057.300192833	Sum of GTIs [s]
ontime2	25057.300192833	Sum of GTIs [s]
ontime3	25057.300192833	Sum of GTIs [s]
ontime7	25057.300192833	Sum of GTIs [s]
l2events	120290	Number of level 2 events



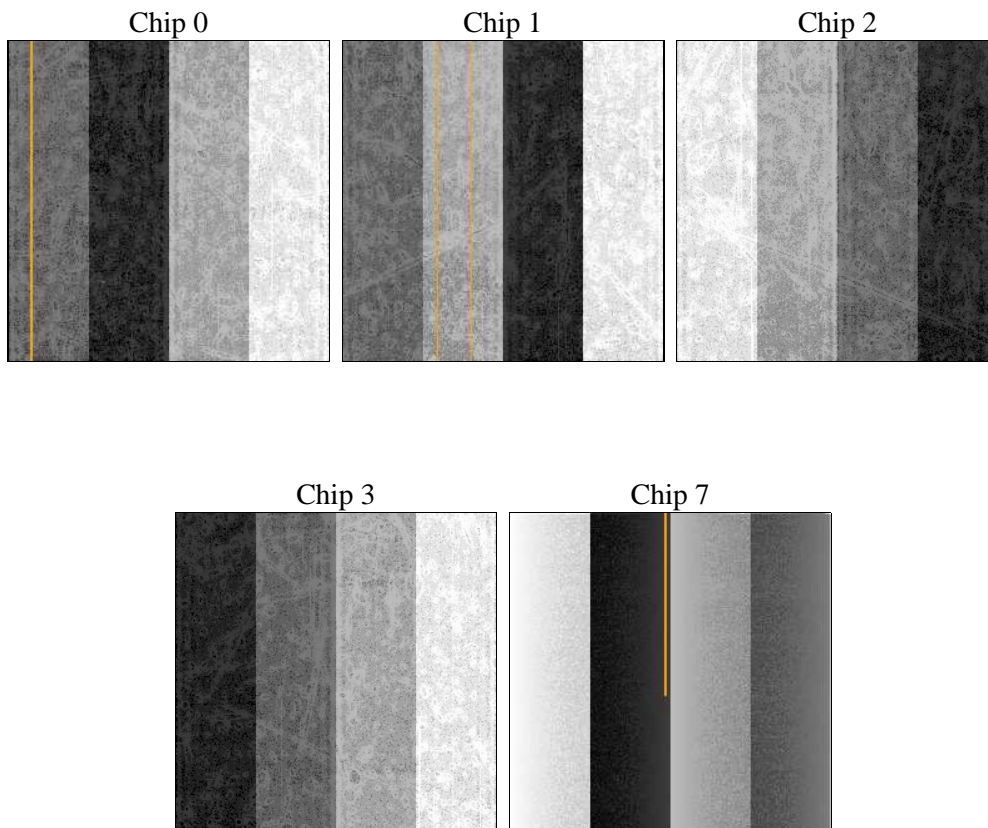
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	25057.300192833	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	25057.300192833	Sum of GTIs [s]
date	2015-04-26T01:28:45	Date and time of file creation	ontime1	25057.300192833	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	25057.300192833	Sum of GTIs [s]
			ontime3	25057.300192833	Sum of GTIs [s]
			ontime7	25057.300192833	Sum of GTIs [s]
			l1events	620686	Number of level 1 events

2.1.4 Events

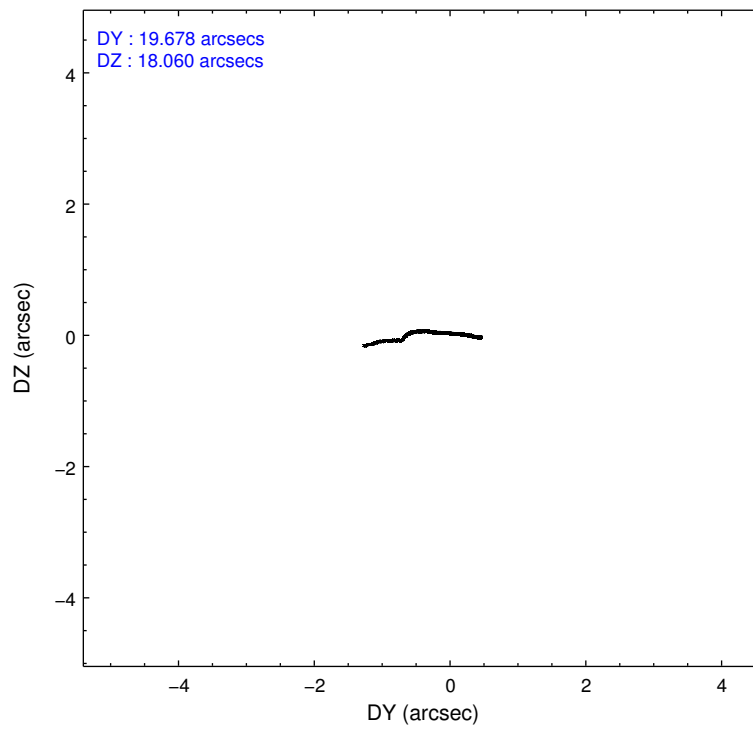
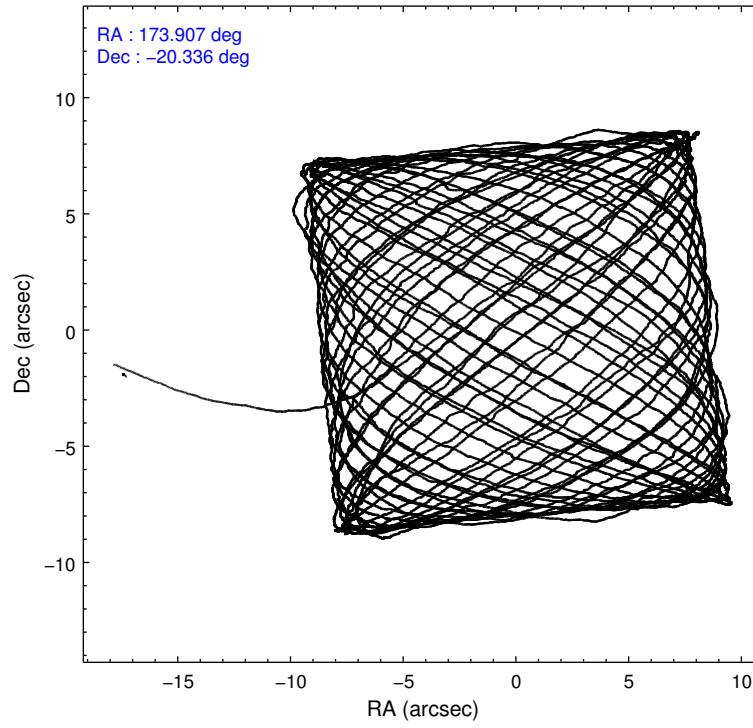
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	110268	113057	119638	116353	161370
rejected events	95102	94475	102915	102739	92603
rejected %	86%	83%	86%	88%	57%

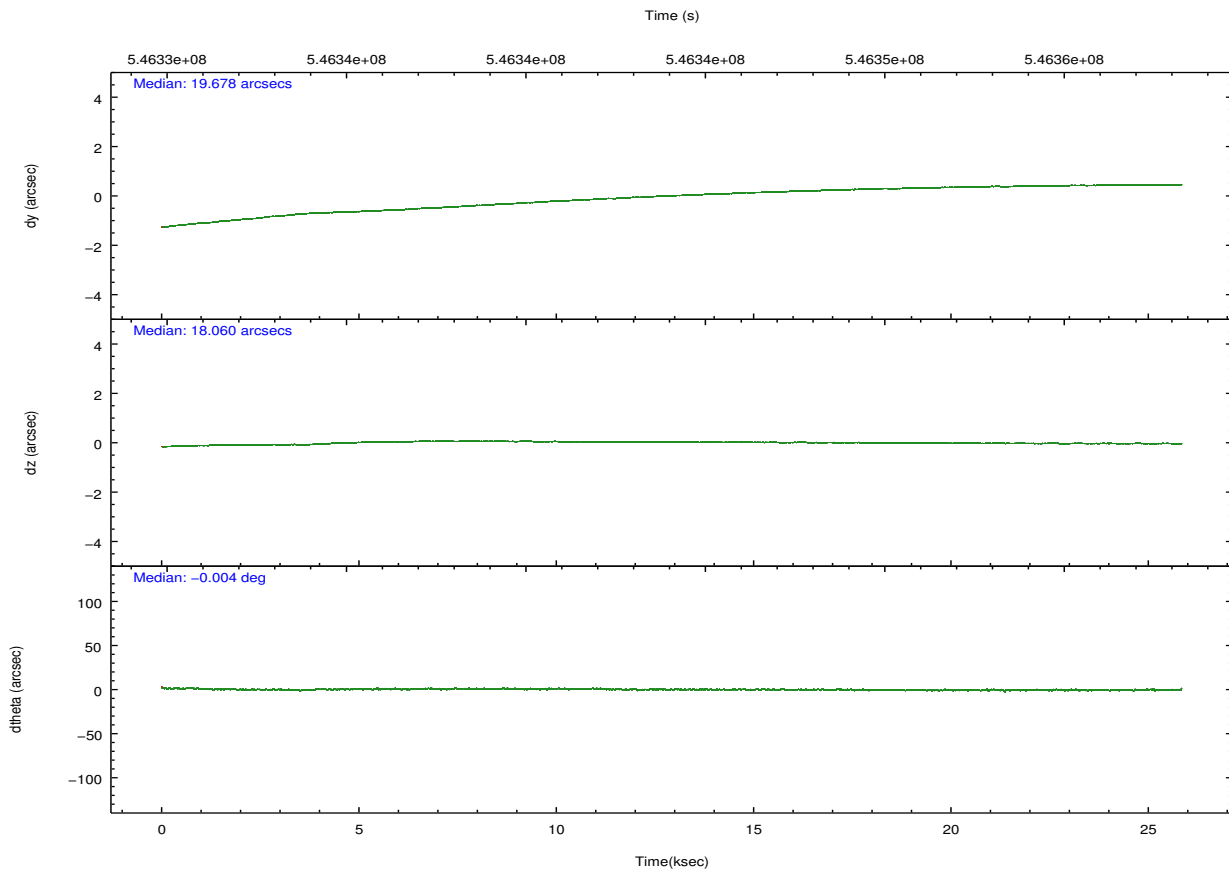
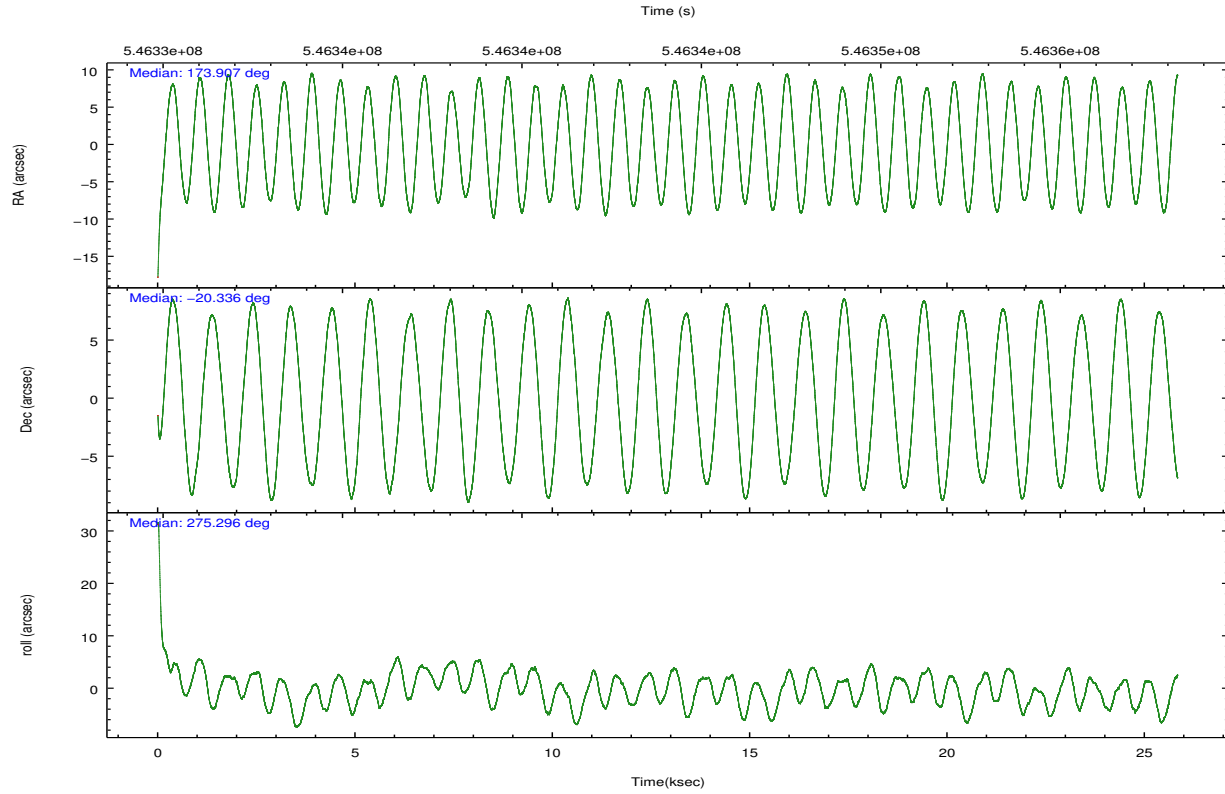
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	5646	8296	7401	5127	5953
	5%	7%	6%	4%	3%
grade 1 events	63	84	74	61	207
	0%	0%	0%	0%	0%
grade 2 events	3740	3867	3697	2947	14241
	3%	3%	3%	2%	8%
grade 3 events	1447	1508	1459	1353	5828
	1%	1%	1%	1%	3%
grade 4 events	1355	1547	1450	1395	5674
	1%	1%	1%	1%	3%
grade 5 events	5507	5938	5305	6275	16472
	4%	5%	4%	5%	10%
grade 6 events	2984	3368	2719	2796	37077
	2%	2%	2%	2%	22%
grade 7 events	89526	88449	97533	96399	75918
	81%	78%	81%	82%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	173.889602	173.9066959866339	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.313413	-20.33586948863049	Alternating exposures requested	N	N
[deg] Pointing Roll	275.089291	275.3039257028925	[s] Primary exposure time	0.000000	3.1
[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)	546331981.184000	546330220.4789799			
Observation start date	2015-04-25T06:51:54	2015-04-25T06:23:40			
[s] Observation end time (MET)	546356981.184000	546358243.46805			
Observation end date	2015-04-25T13:48:34	2015-04-25T14:10:43			
Read mode	TIMED	TIMED			

2.3 Aspect





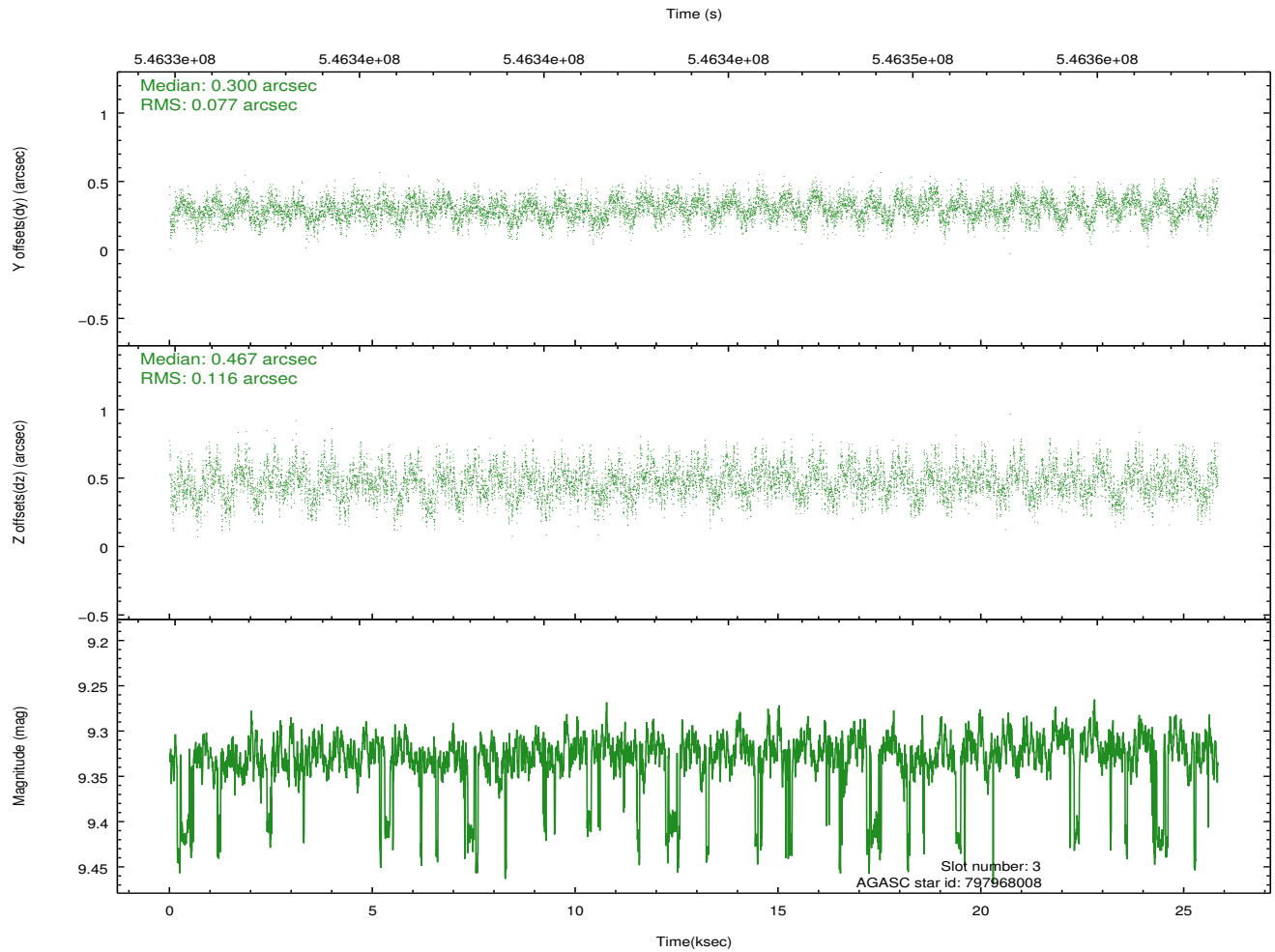
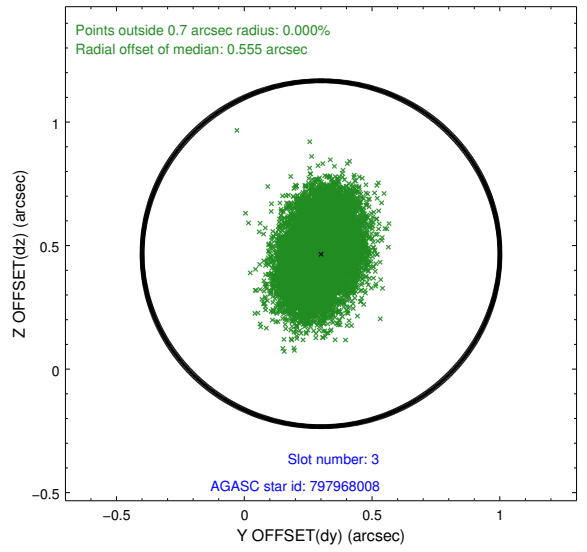
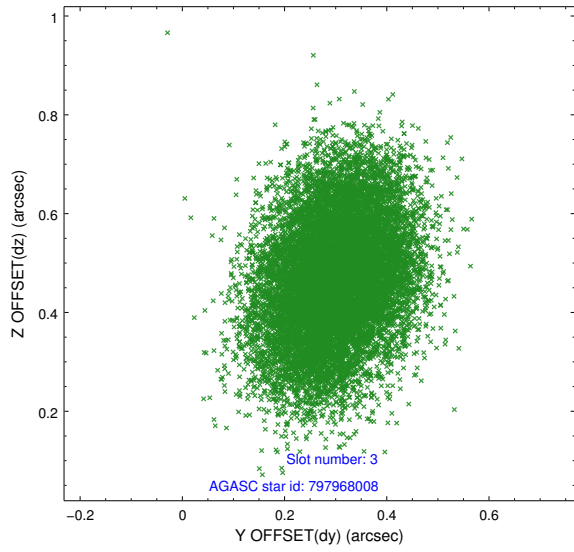
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.07	6303	0.062	0.021	0.010	0.018	0.000000	0.000000	919.87	-841.68
1	FID		ACIS-I-5	7.06	6303	-0.311	0.048	0.007	0.012	0.000000	0.000000	-1828.61	1055.69
2	FID		ACIS-I-6	7.07	6303	0.157	0.002	0.008	0.014	0.000000	0.000000	385.30	1700.34
3	GUIDE	used	797968008	9.33	12595	0.300	0.467	0.147	0.243	173.274298	-19.815834	-1964.29	-1916.93
4	GUIDE	used	798495048	9.07	12594	-0.009	0.228	0.110	0.175	173.868185	-20.511922	705.88	-135.22
5	GUIDE	used	798495824	8.71	12599	0.023	-0.575	0.106	0.174	173.403222	-20.546440	693.34	-1708.13
6	GUIDE	used	798498472	9.32	12523	-0.098	-0.112	0.113	0.182	174.536026	-20.711713	1625.27	2040.62
7	GUIDE	used	798112808	8.87	12601	-0.220	-0.006	0.100	0.163	174.537297	-19.759194	-1788.68	2361.98

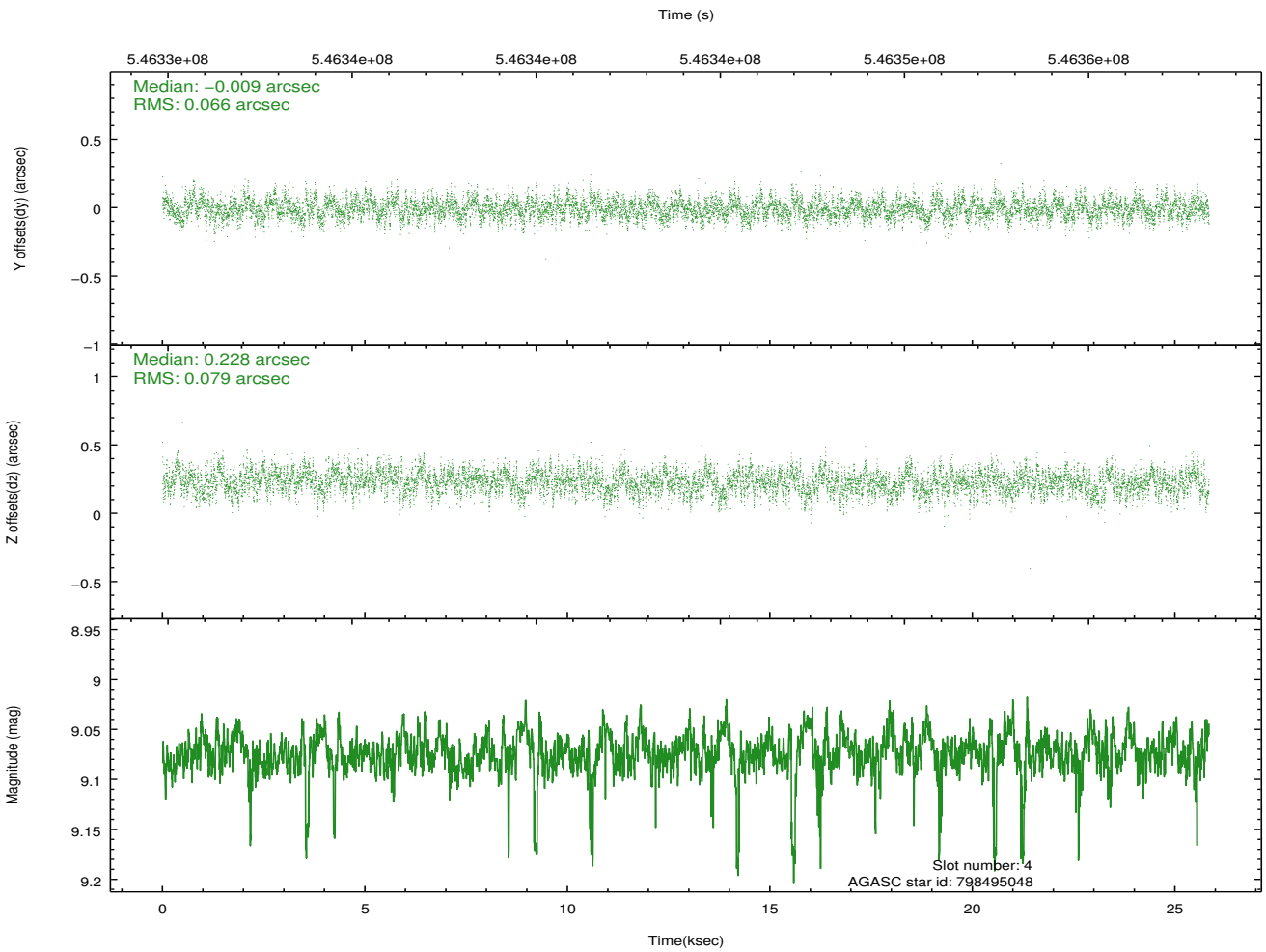
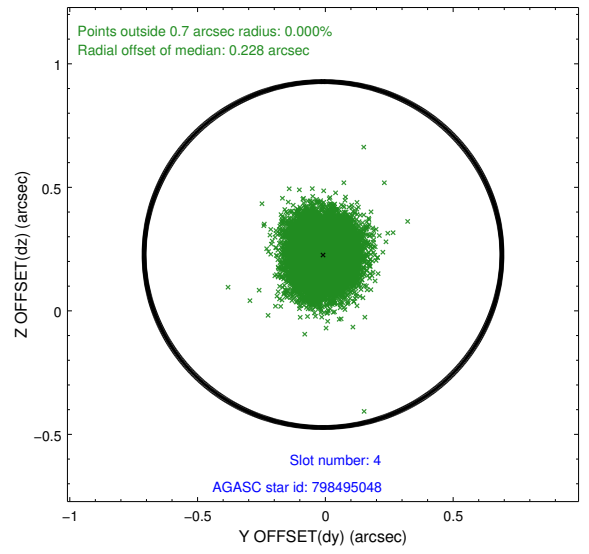
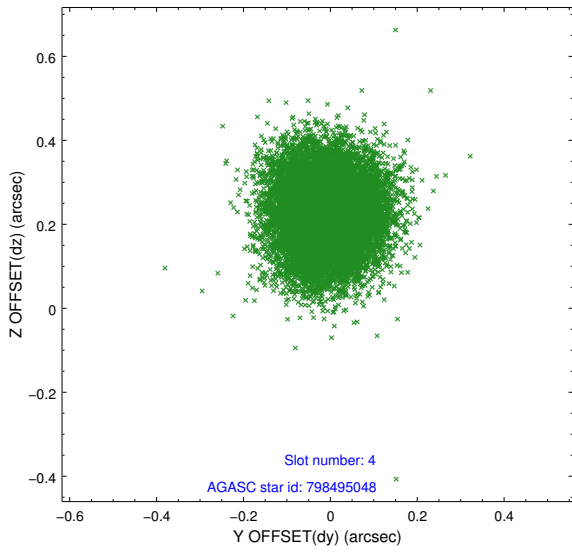
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2.4 Star Slots

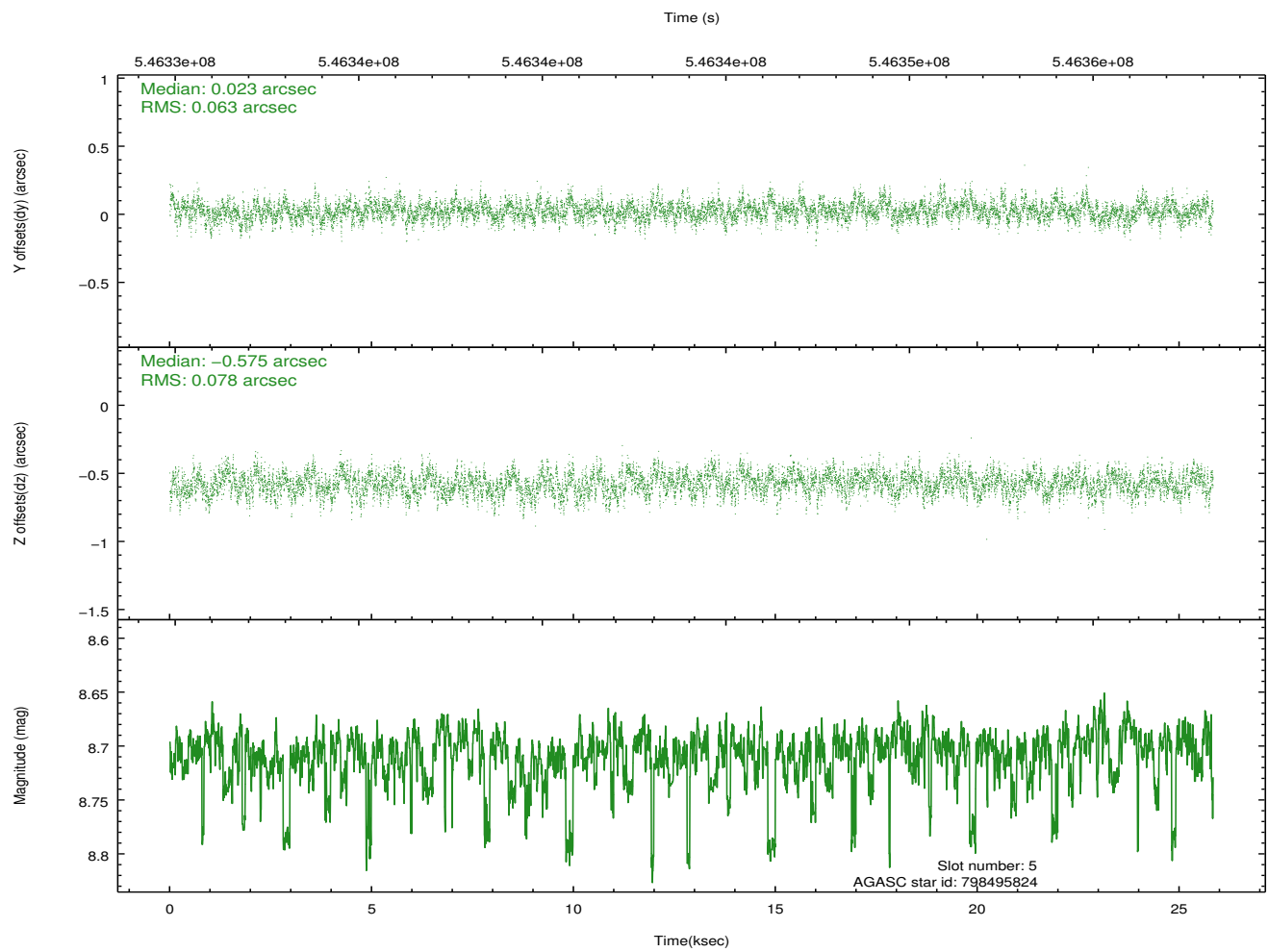
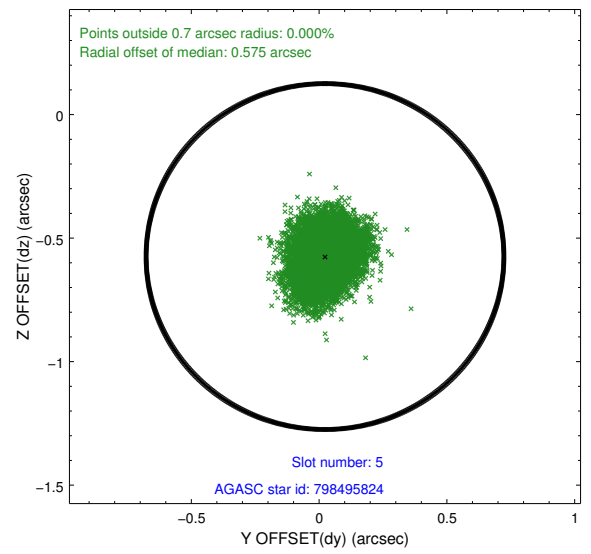
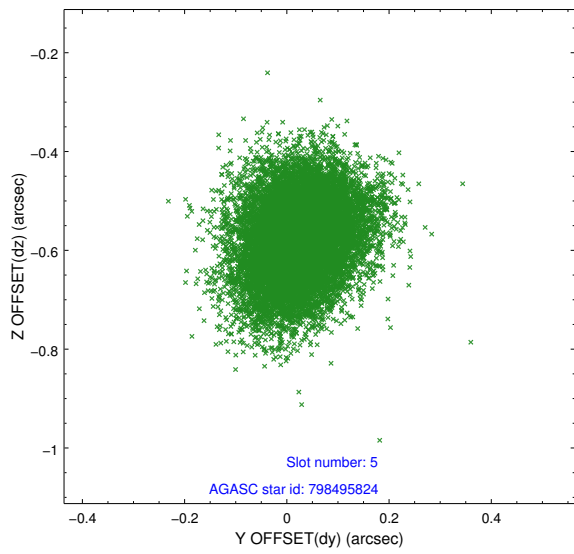
2.4.1 Slot 3



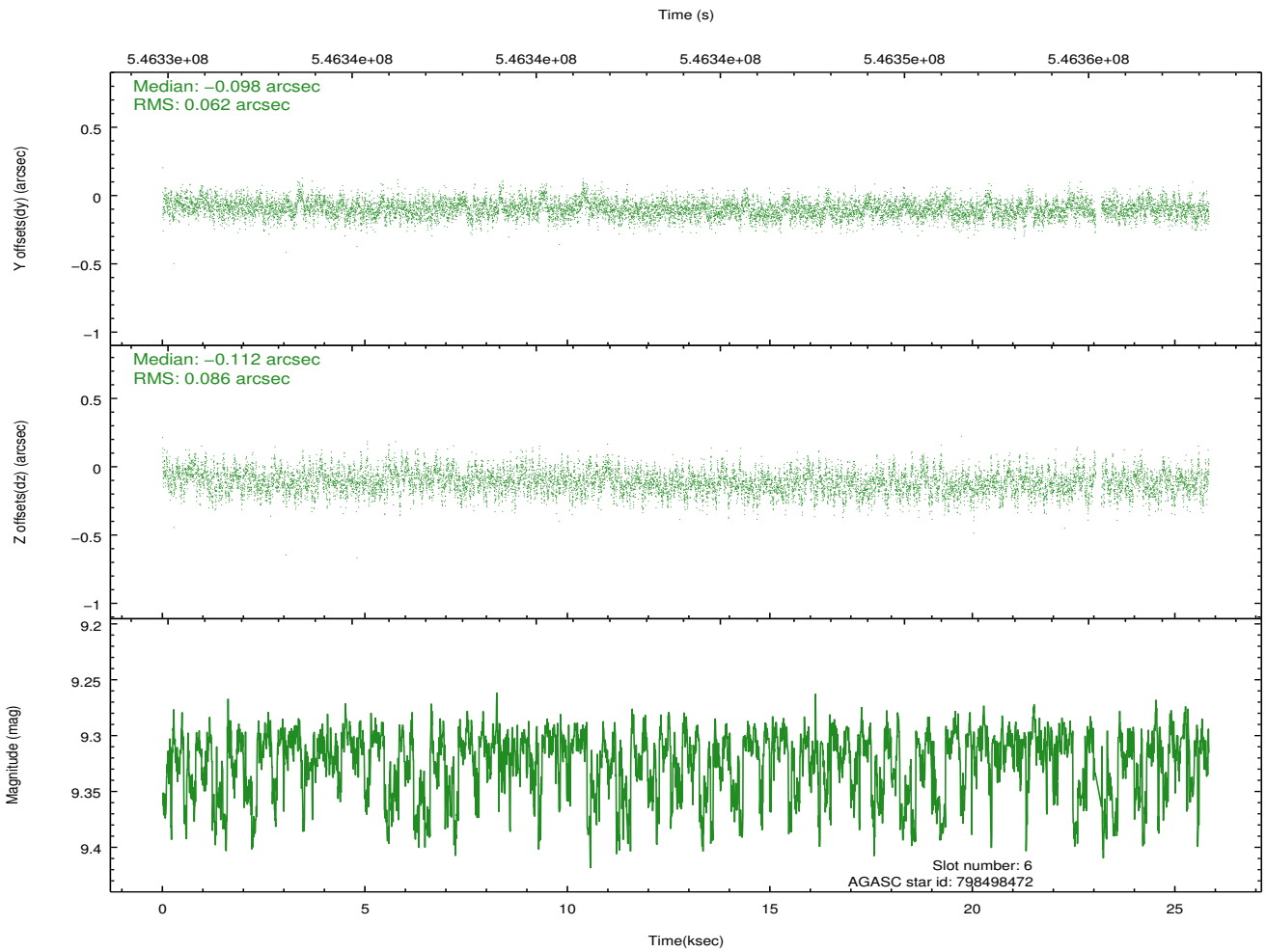
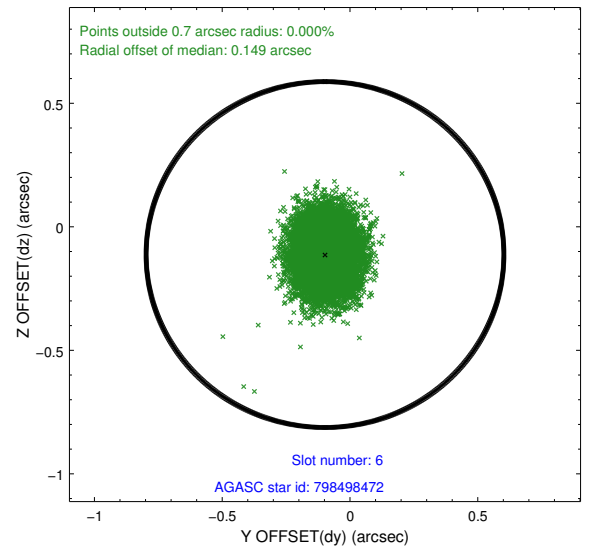
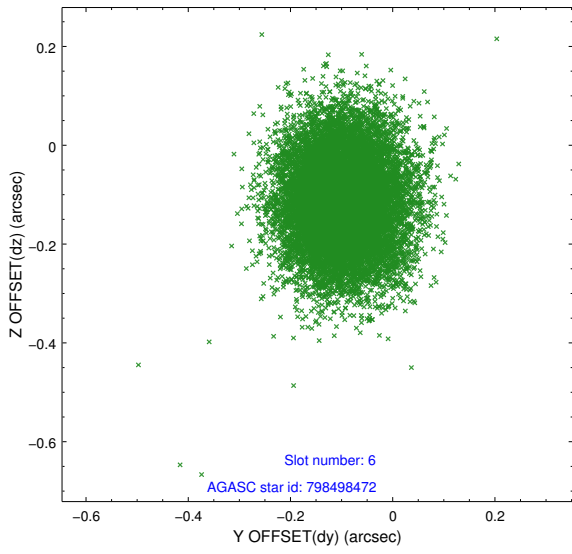
2.4.2 Slot 4



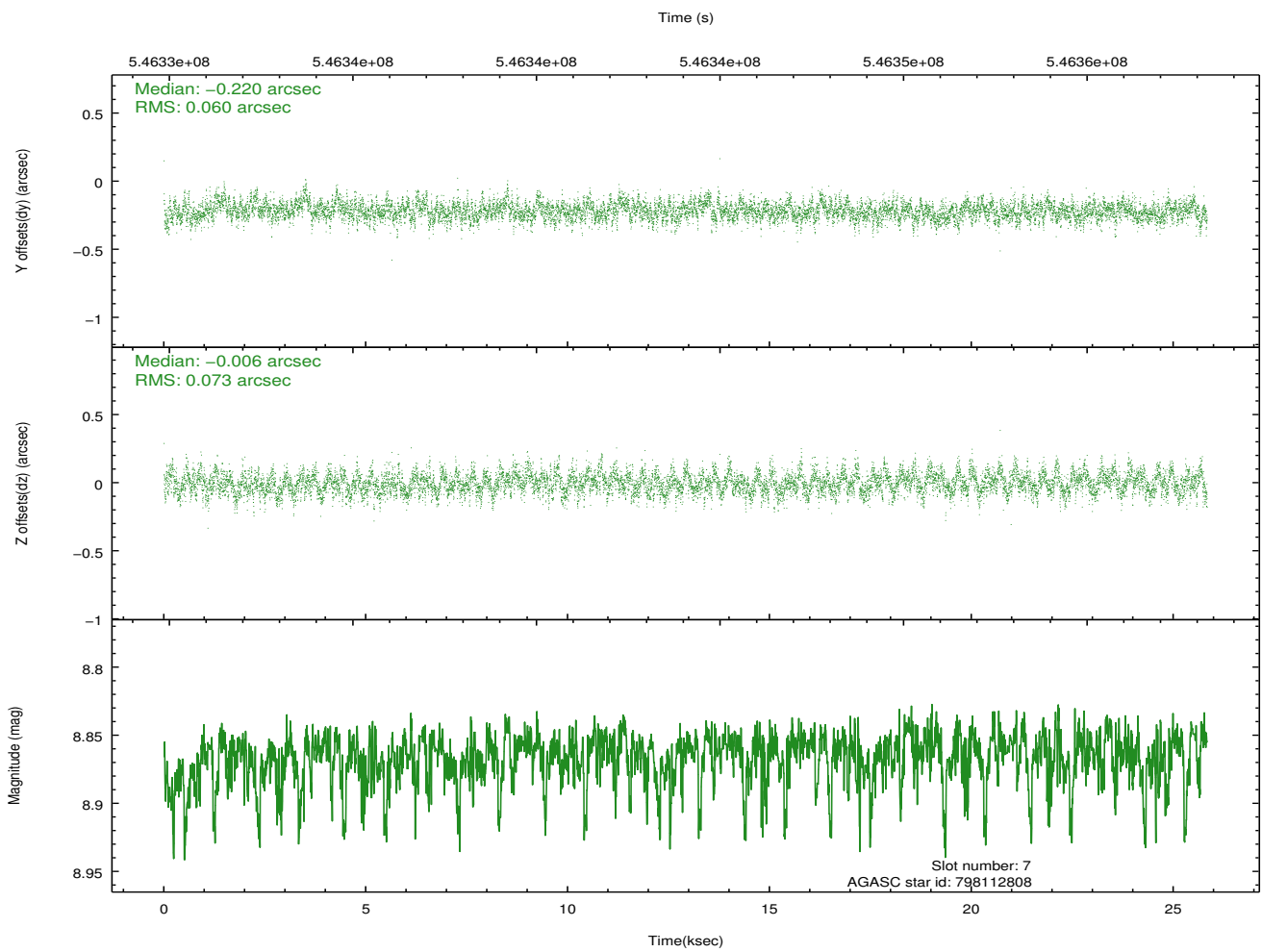
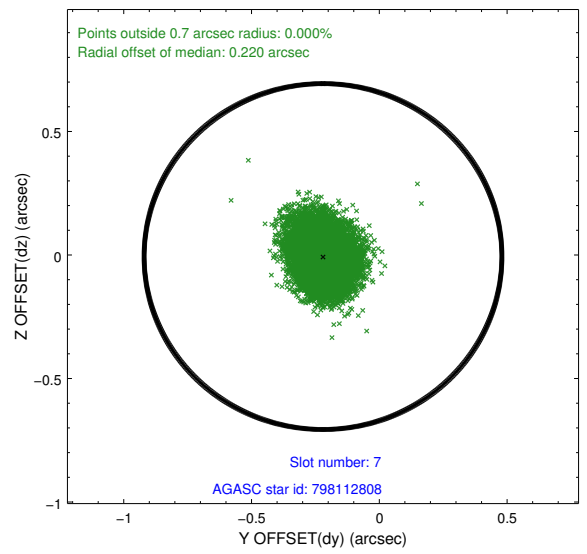
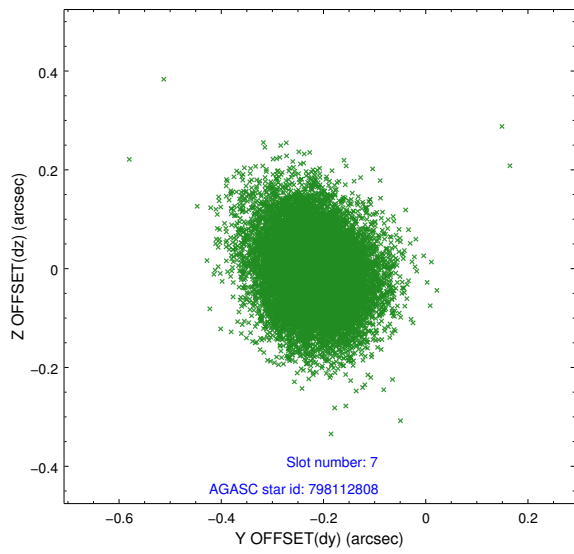
2.4.3 Slot 5



2.4.4 Slot 6

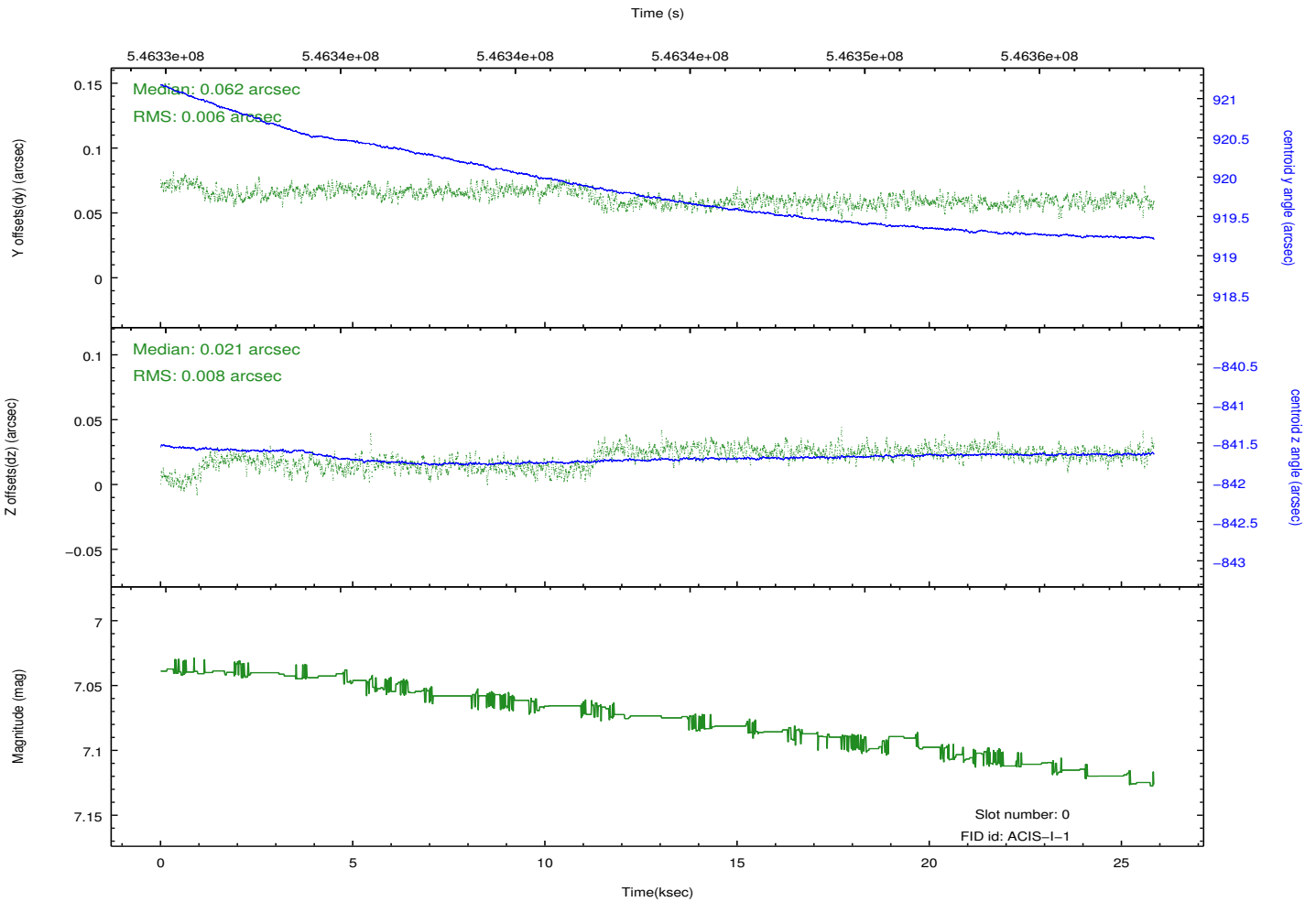
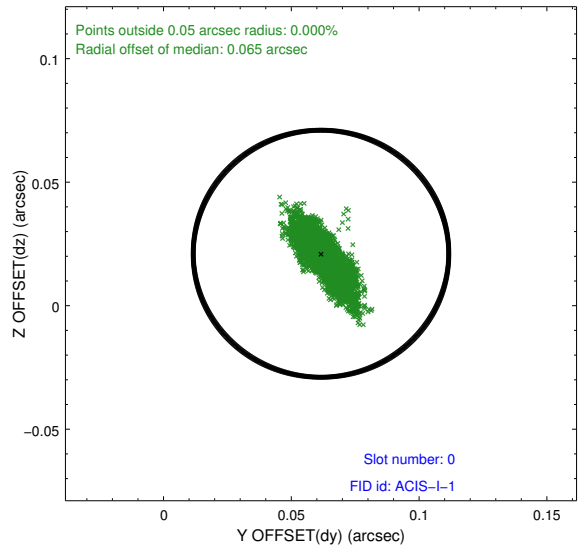
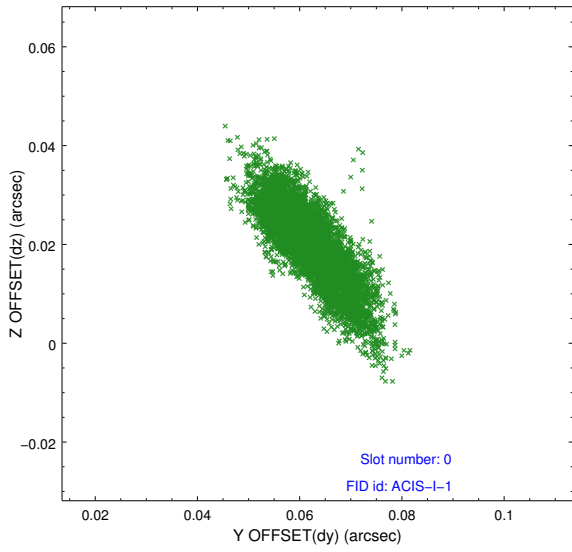


2.4.5 Slot 7

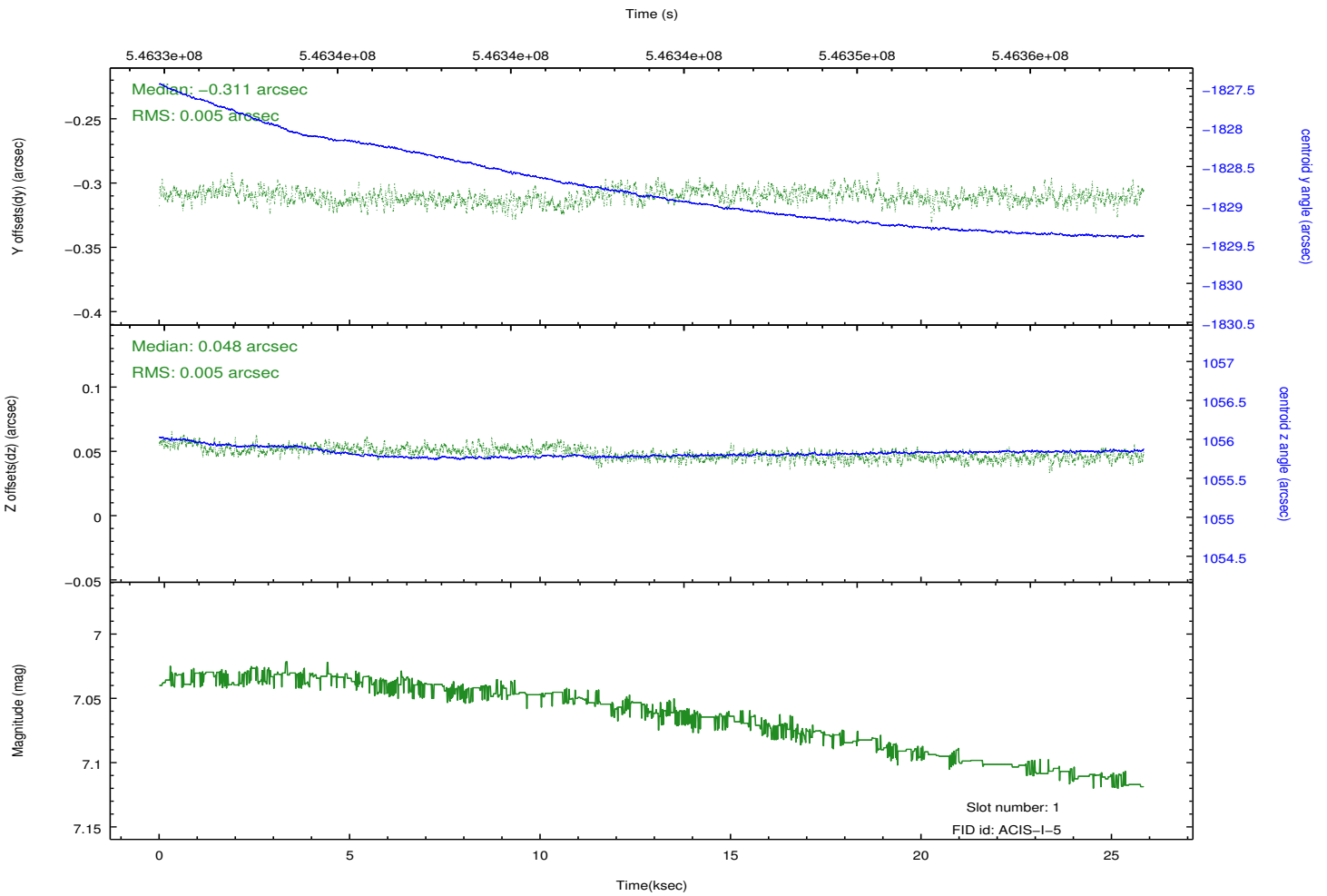
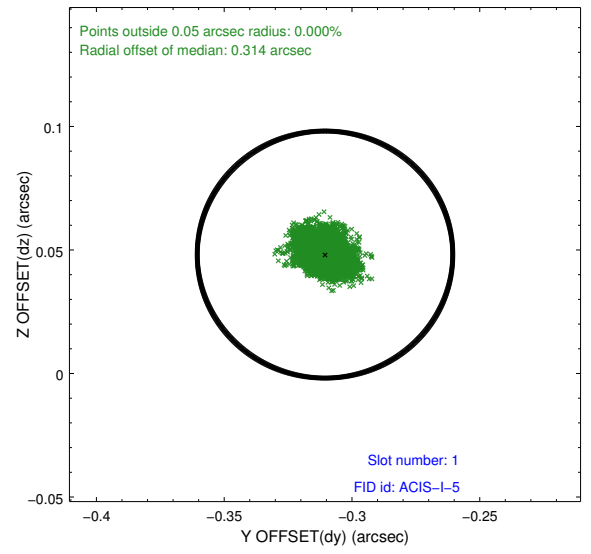
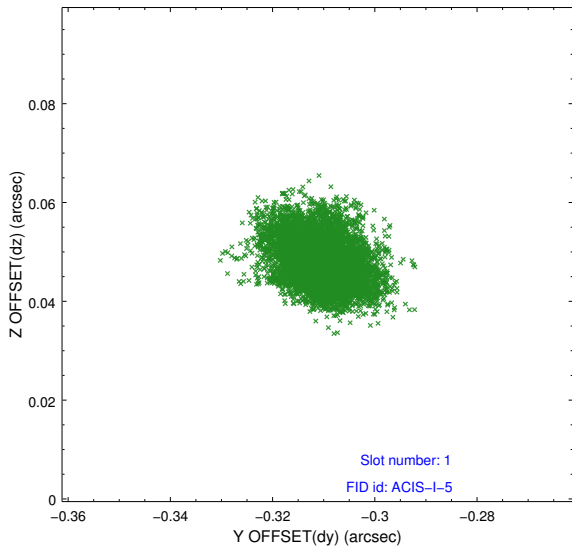


2.5 FID Slots

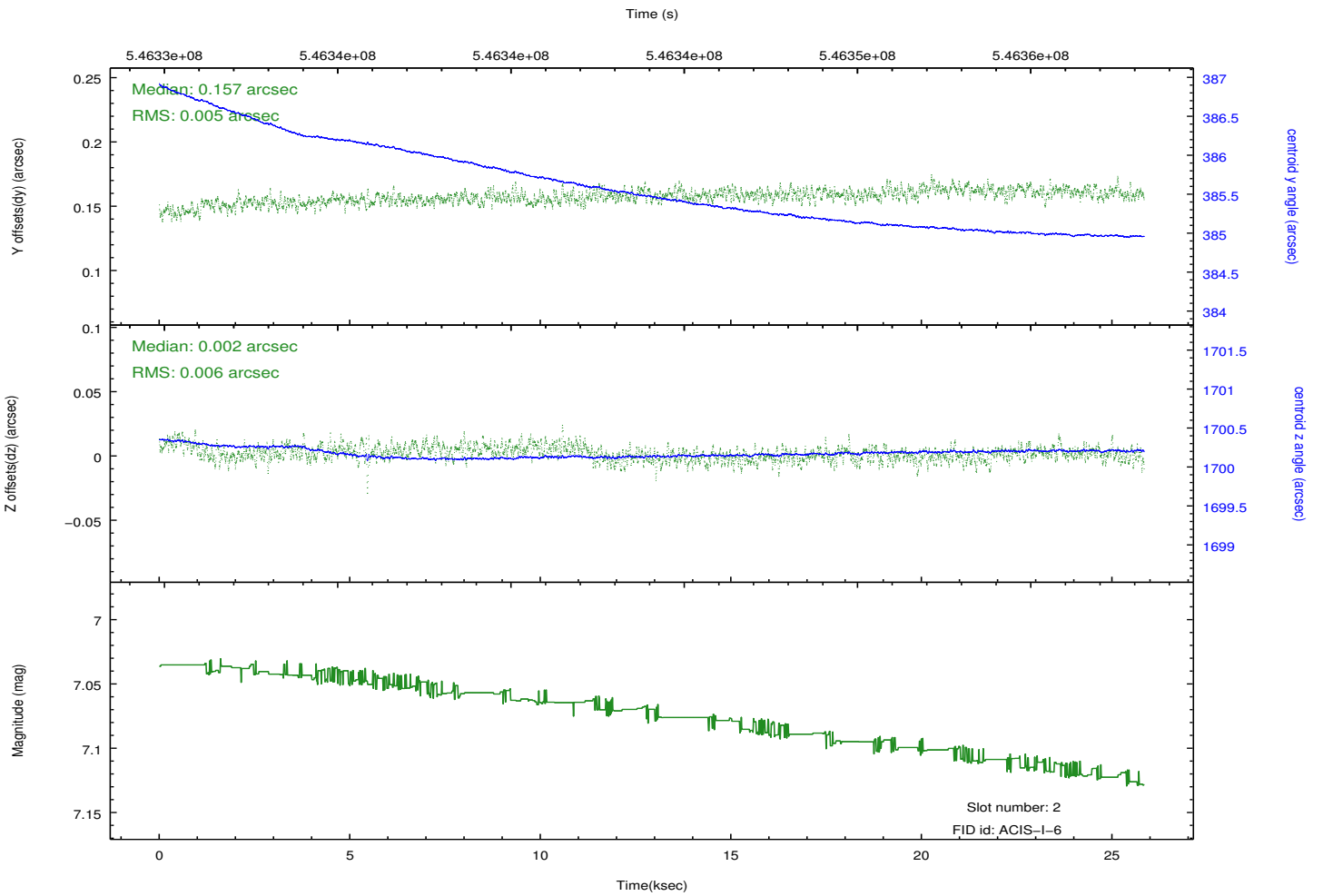
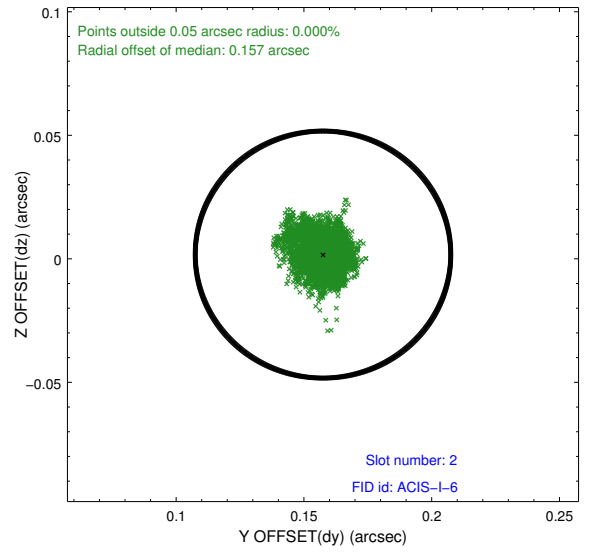
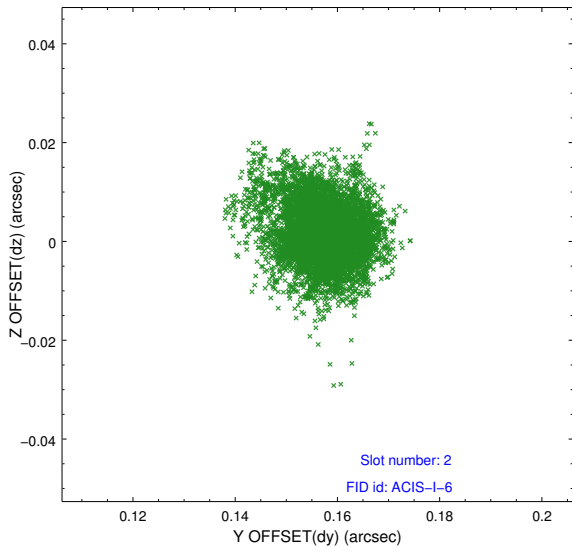
2.5.1 Slot 0



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)	2015.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.057300192833

A.2 Comments

Joint proposal with HST.