

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18297 - L2 Version 1
Chandra X-Ray Center

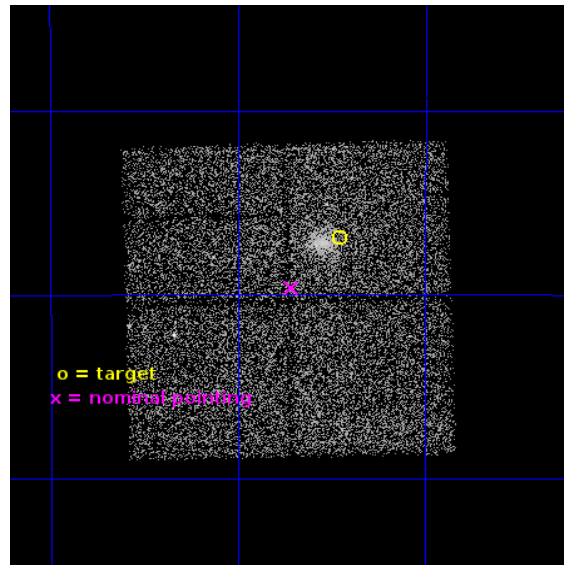
L2 Processing Date : Mar 29 2016

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1 Front

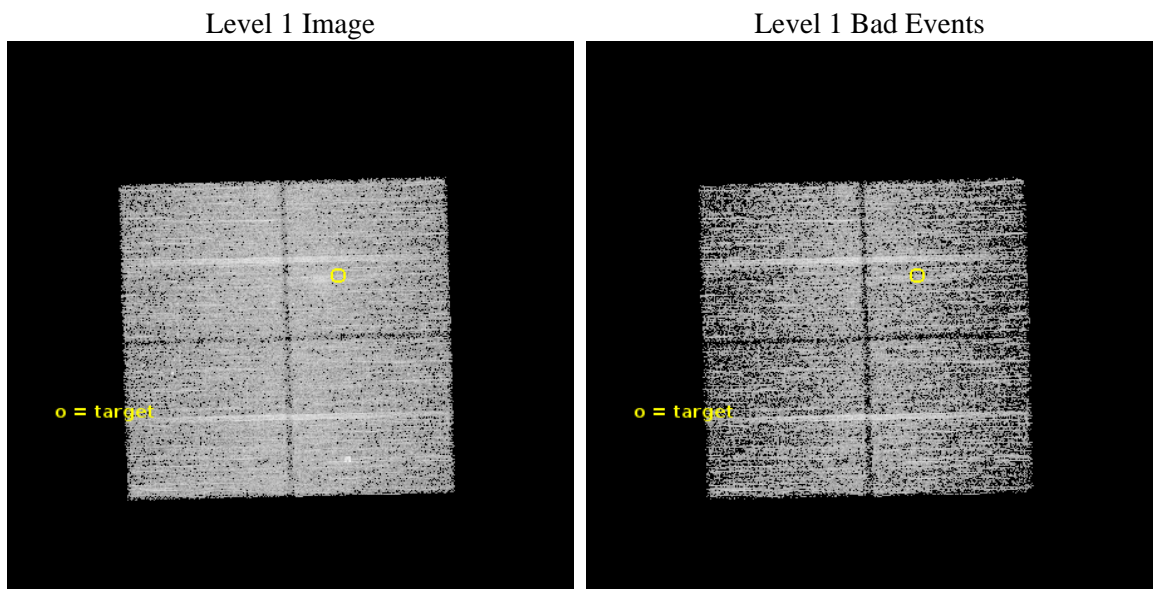
seq_num	801615	Sequence number
obs_id	18297	Observation id
title	Building a Cheap and Cheerful SZ-selected sample of galaxy clusters with the Planck Catalogue.	Proposal title
observer	Dr Mariachiara Rossetti	Principal investigator
object	PSZ2 G298.56+13.53	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.364167	Observer's specified target RA [deg]
dec_targ	-49.115306	Observer's specified target Dec [deg]
ra_nom	186.42858168215	Nominal RA [deg]
dec_nom	-49.160592377779	Nominal Dec [deg]
roll_nom	358.53178058544	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12080.700093031	Sum of GTIs [s]
livetime	11922.856852633	Livetime [s]
ontime0	12080.700093031	Sum of GTIs [s]
ontime1	12080.700093031	Sum of GTIs [s]
ontime2	12080.700093031	Sum of GTIs [s]
ontime3	12080.700093031	Sum of GTIs [s]
l2events	28653	Number of level 2 events



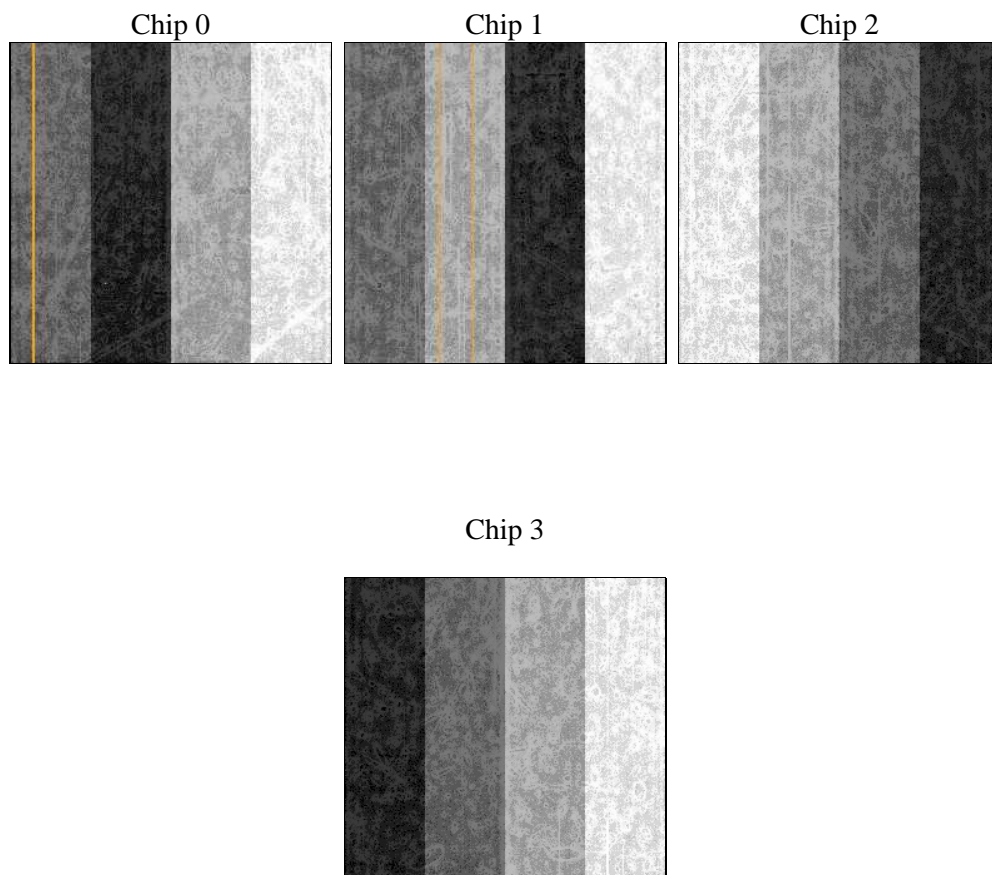
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	12080.700093031	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	12080.700093031	Sum of GTIs [s]
date	2016-03-29T14:08:22	Date and time of file creation	ontime1	12080.700093031	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	12080.700093031	Sum of GTIs [s]
			ontime3	12080.700093031	Sum of GTIs [s]
			l1events	289165	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	69194	72137	75383	72451
rejected events	61008	62960	67526	63432
rejected %	88%	87%	89%	87%

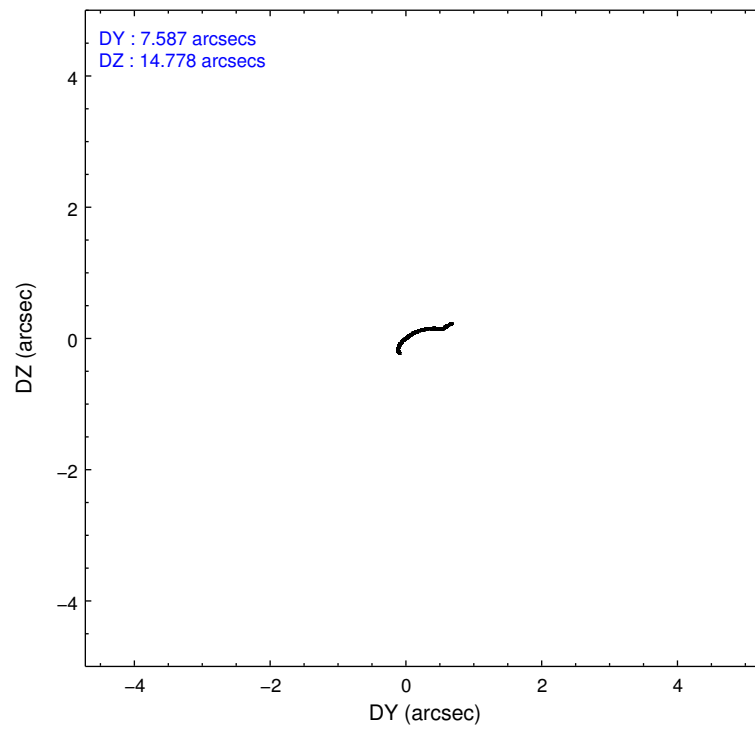
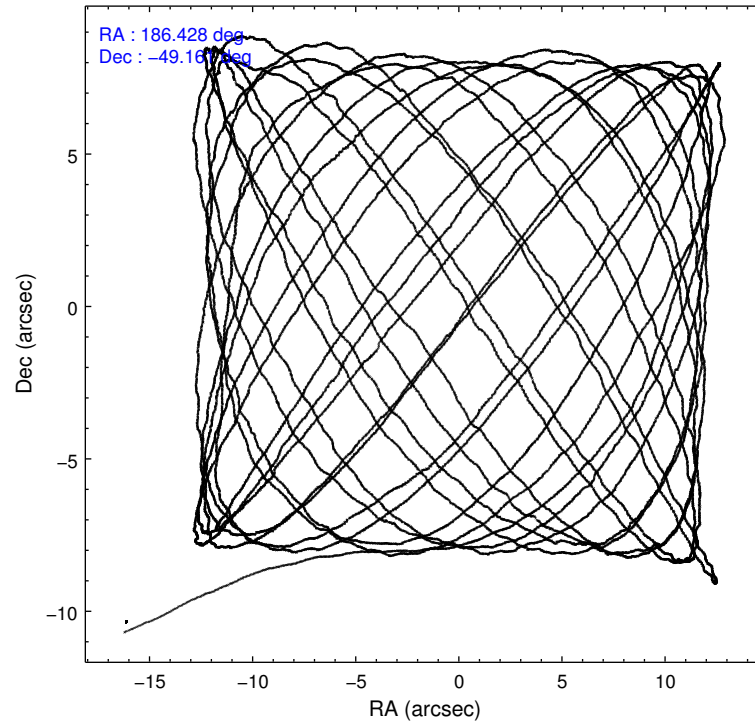
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2765	3257	2819	3770
	3%	4%	3%	5%
grade 1 events	36	31	35	57
	0%	0%	0%	0%
grade 2 events	2065	2119	1816	1799
	2%	2%	2%	2%
grade 3 events	833	855	819	899
	1%	1%	1%	1%
grade 4 events	777	820	810	848
	1%	1%	1%	1%
grade 5 events	3160	3209	2897	3464
	4%	4%	3%	4%
grade 6 events	1756	2131	1596	1706
	2%	2%	2%	2%
grade 7 events	57802	59715	64591	59908
	83%	82%	85%	82%

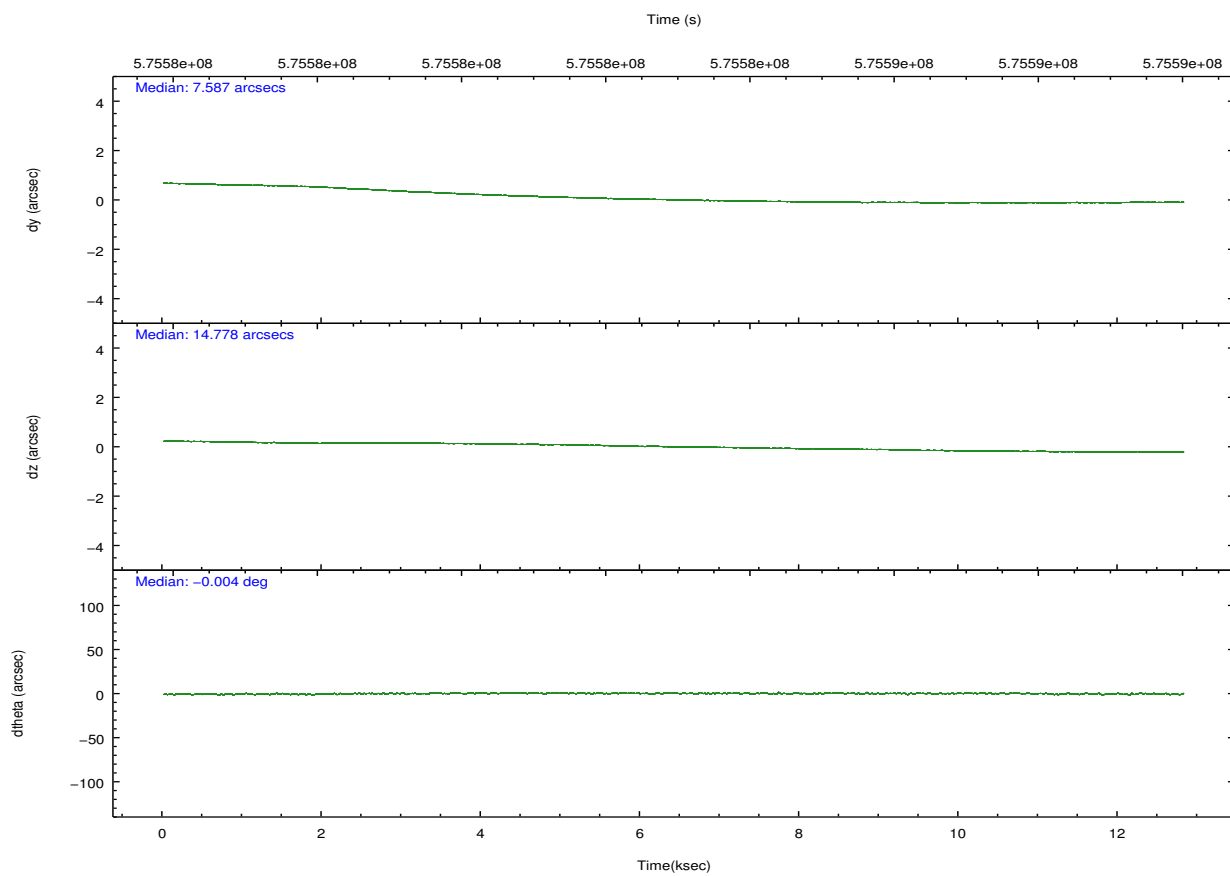
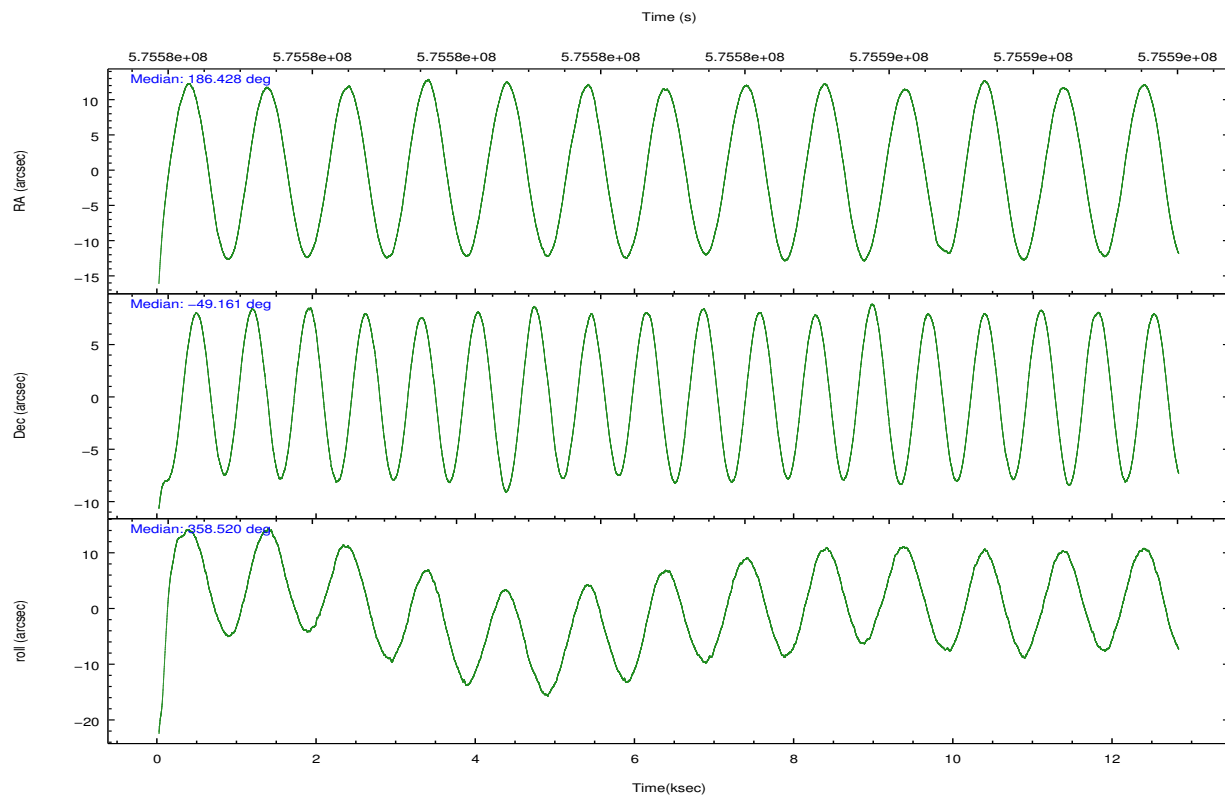
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-0123	ACIS-0123
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	186.391522	186.4285816821491
[deg] Pointing Dec	-49.173856	-49.16059237777912
[deg] Pointing Roll	358.295060	358.5317805854374
[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)	575577349.184000	575575870.3319401
Observation start date	2016-03-28T18:34:41	2016-03-28T18:11:10
[s] Observation end time (MET)	575589349.184000	575590026.6077501
Observation end date	2016-03-28T21:54:41	2016-03-28T22:07:06
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



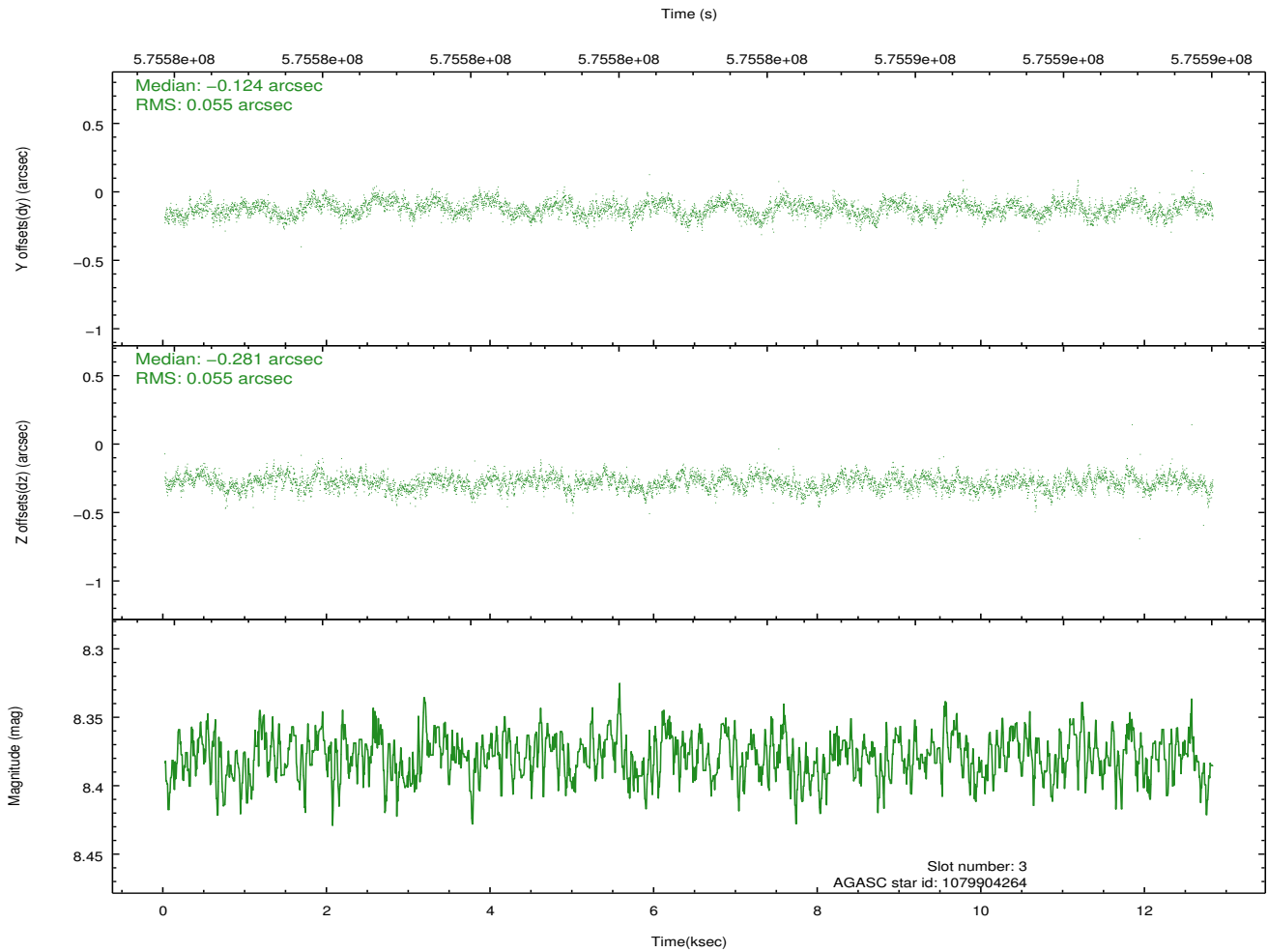
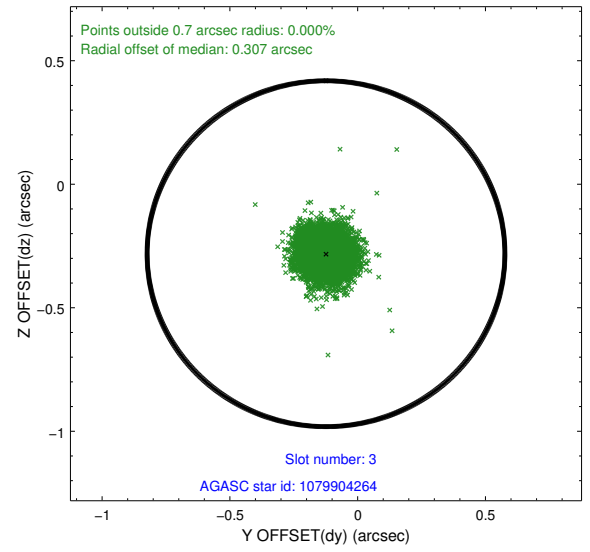
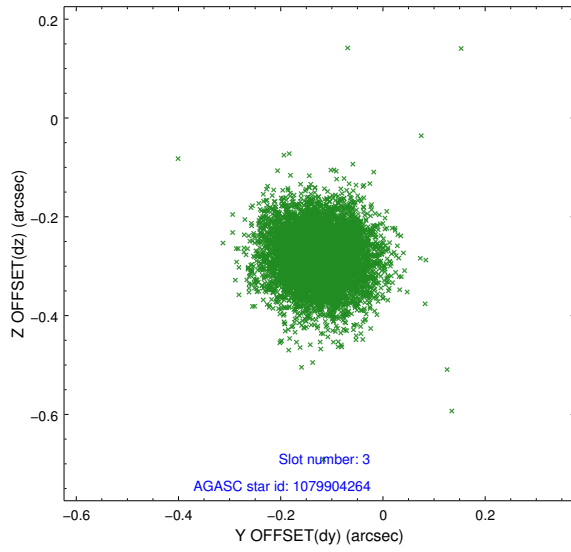


Slot Statistics

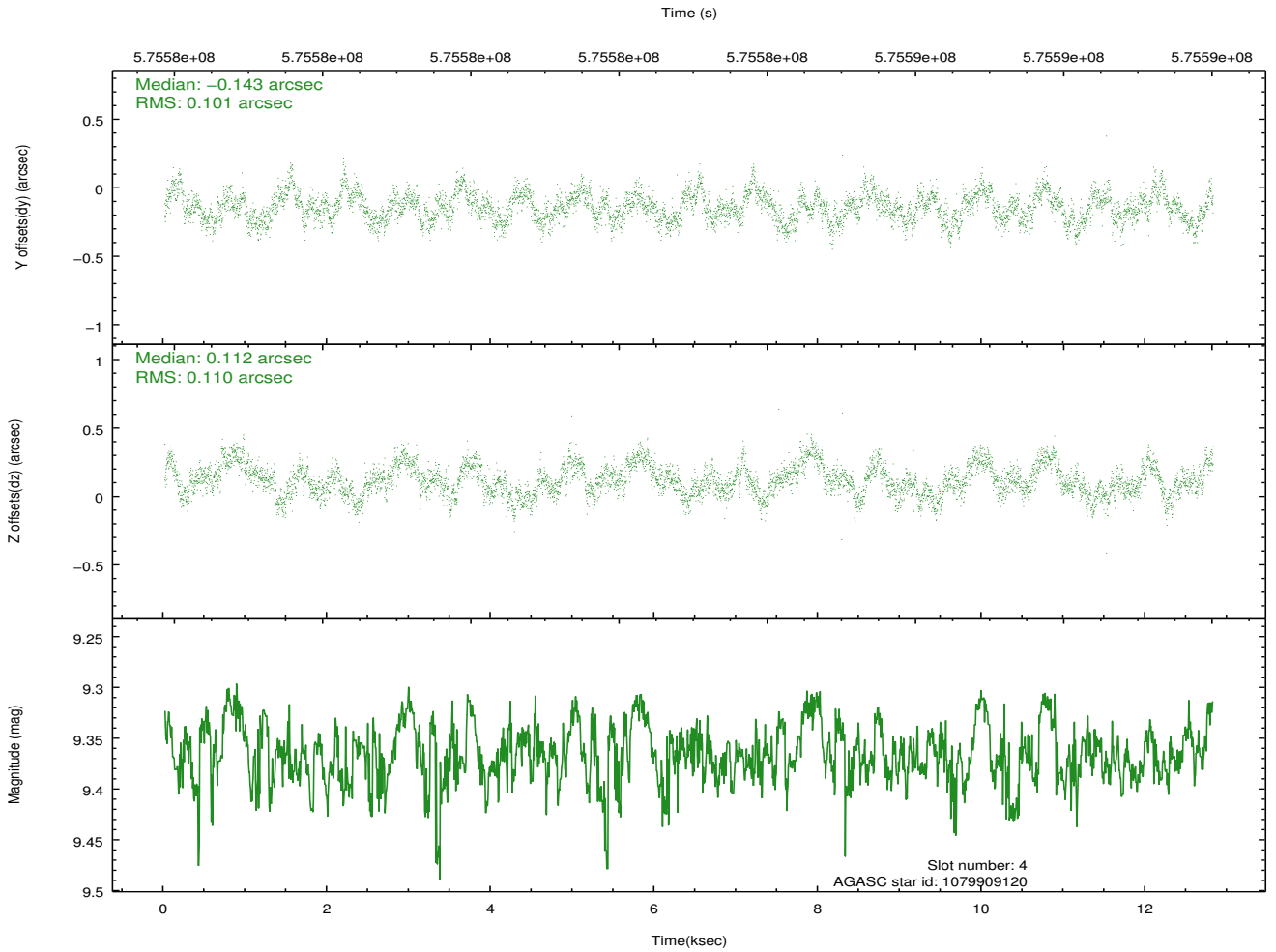
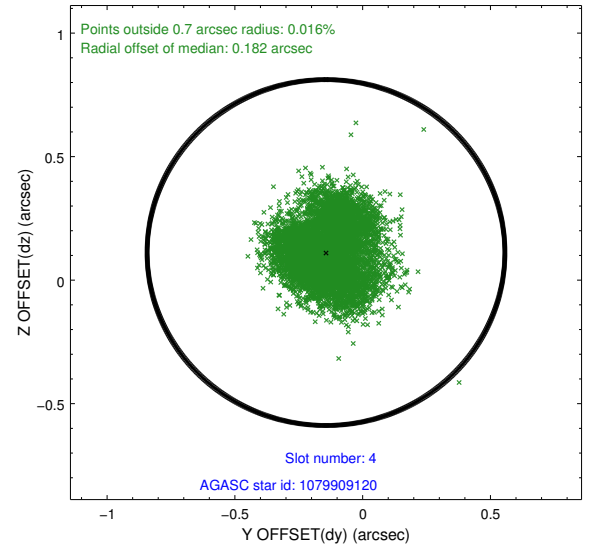
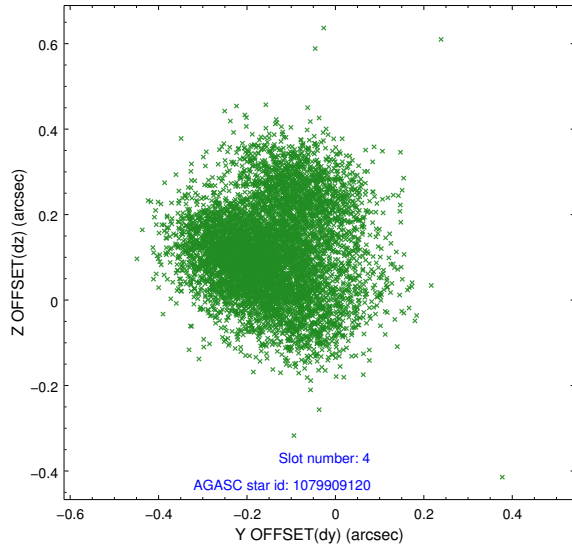
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.26	3125	0.088	-0.081	0.012	0.018	0.000000	0.000000	932.06	-838.43
1	FID		ACIS-I-5	7.24	3125	-0.290	0.059	0.007	0.012	0.000000	0.000000	-1816.27	1058.93
2	FID		ACIS-I-6	7.24	3124	0.111	0.091	0.013	0.020	0.000000	0.000000	397.14	1703.96
3	GUIDE	used	1079904264	8.38	6243	-0.124	-0.281	0.083	0.131	186.985837	-48.994000	1384.02	683.47
4	GUIDE	used	1079909120	9.37	6246	-0.143	0.112	0.163	0.251	187.049107	-49.366944	1562.19	-655.12
5	GUIDE	used	1079912896	8.61	6248	0.201	0.332	0.112	0.182	186.107009	-49.804429	-592.13	-2289.88
6	GUIDE	used	1079913456	8.78	6250	-0.055	-0.267	0.101	0.173	186.852912	-49.050539	1074.95	472.40
7	GUIDE	used	1079921560	7.33	6250	0.122	0.102	0.089	0.158	186.504873	-49.588234	308.66	-1482.96

2.4 Star Slots

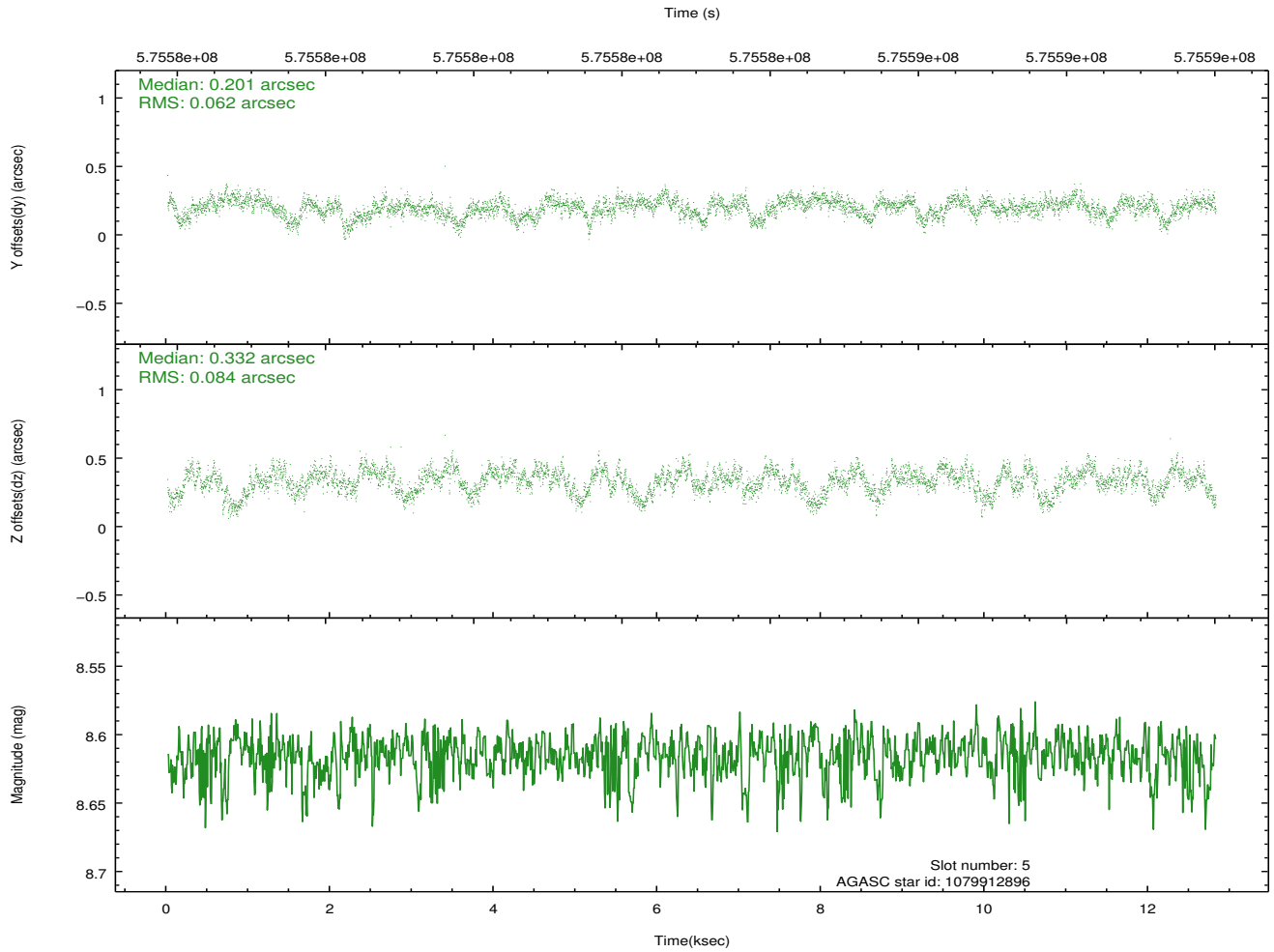
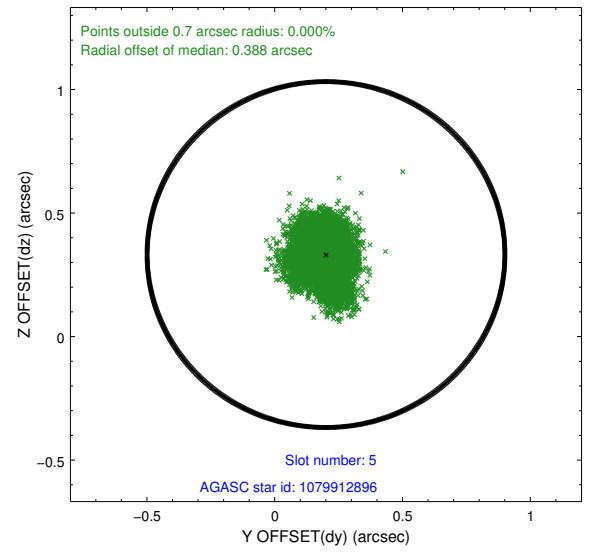
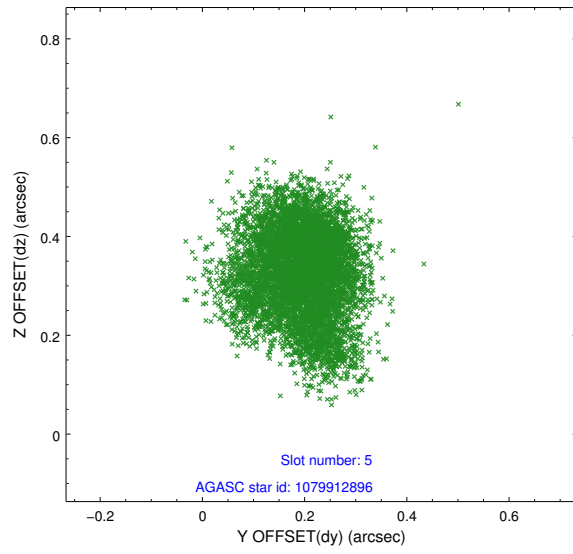
2.4.1 Slot 3



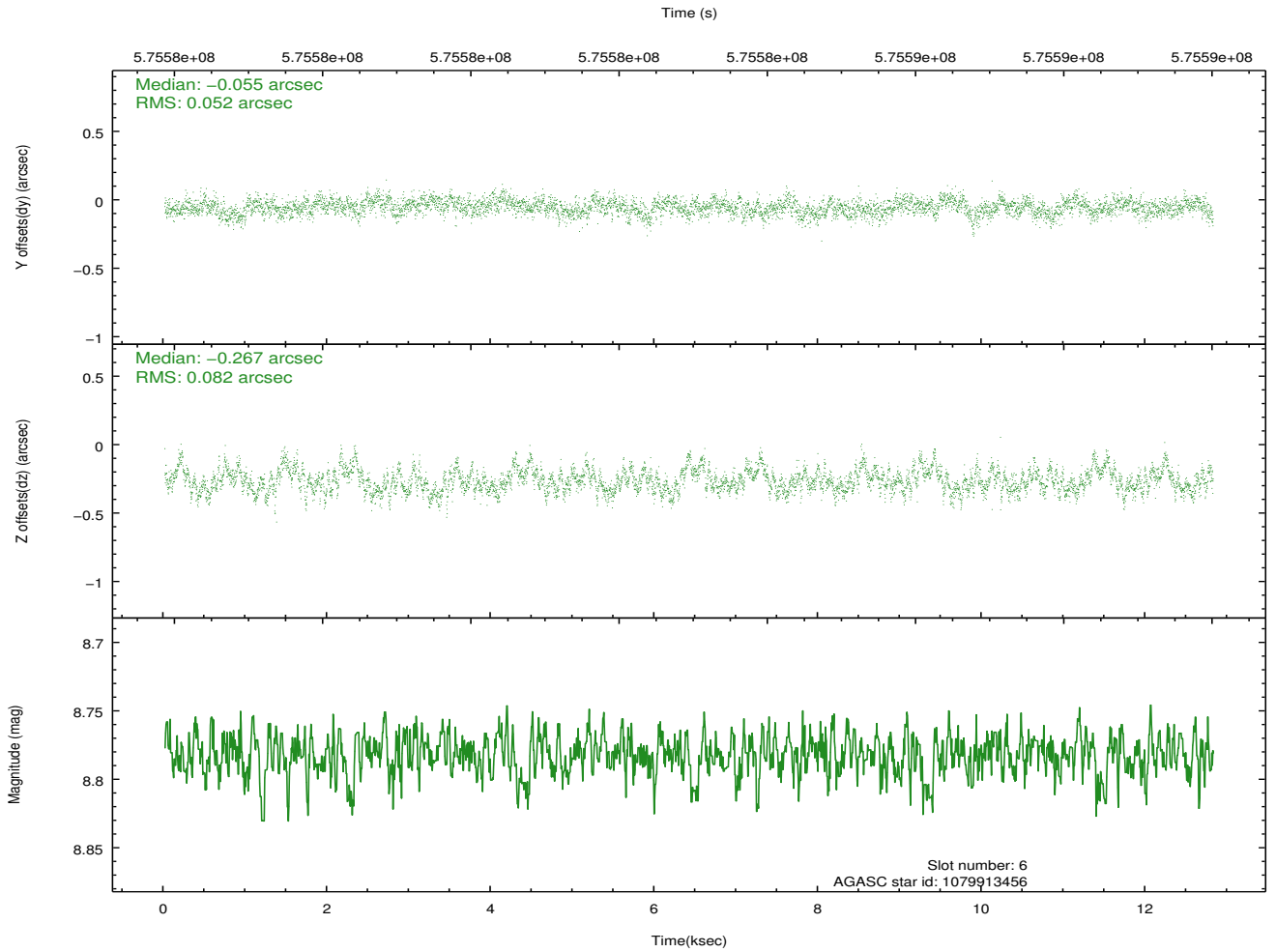
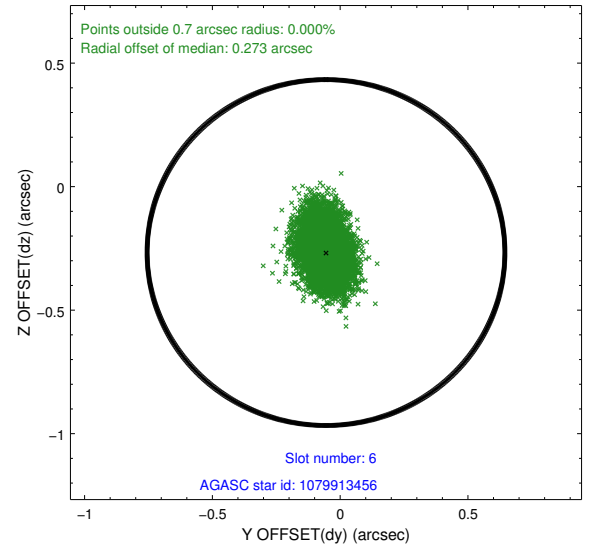
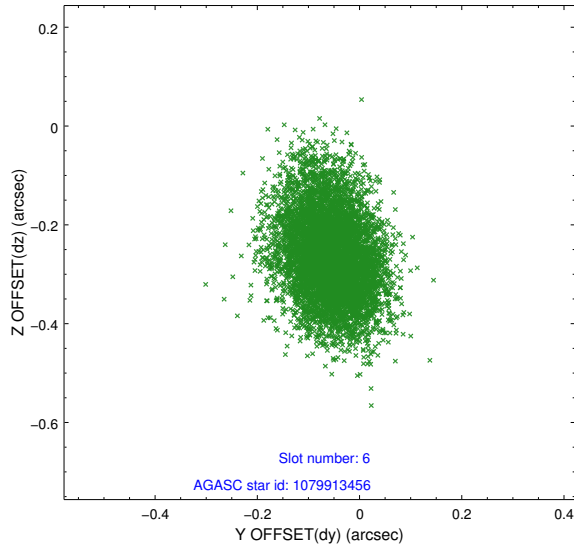
2.4.2 Slot 4



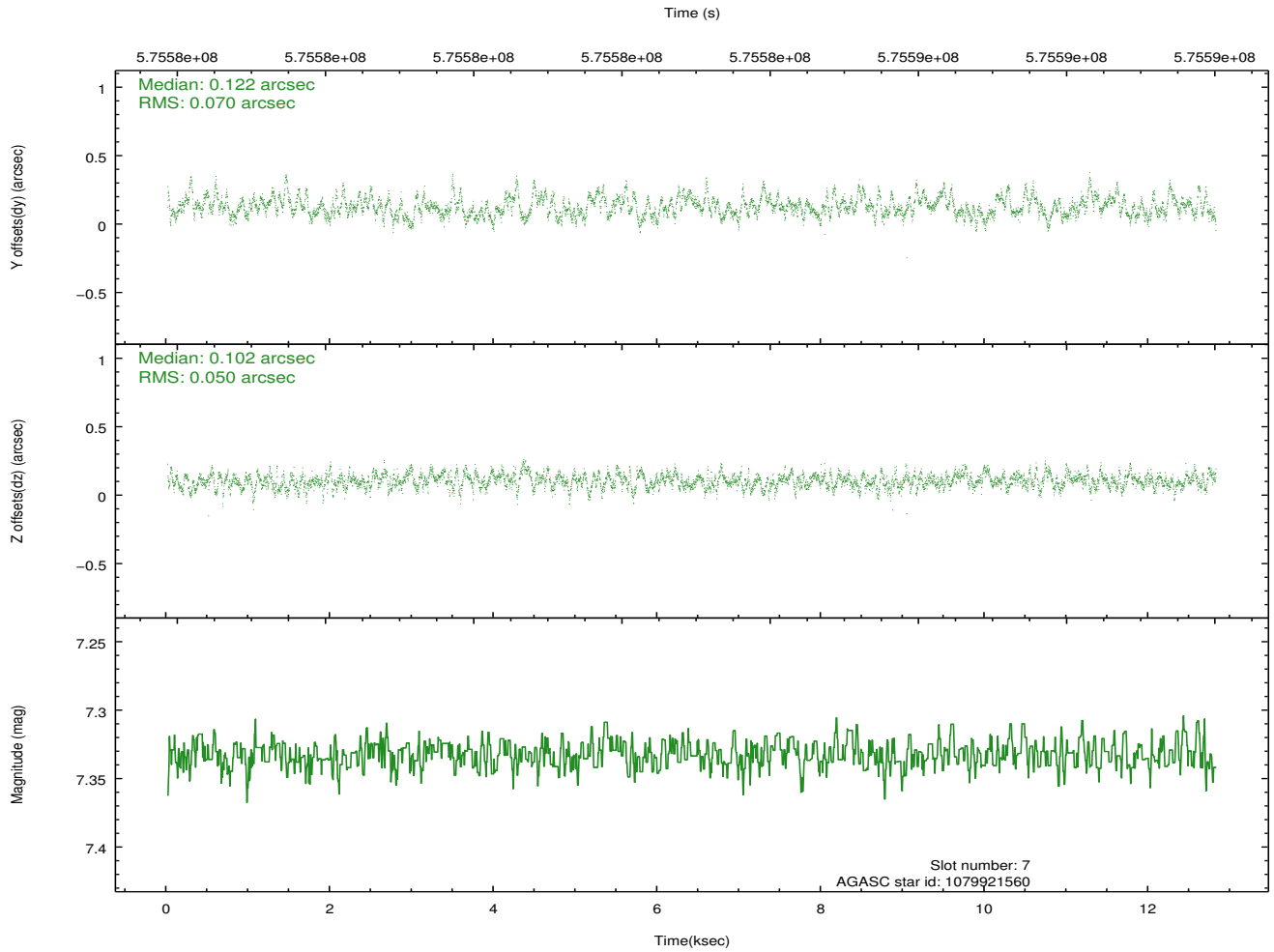
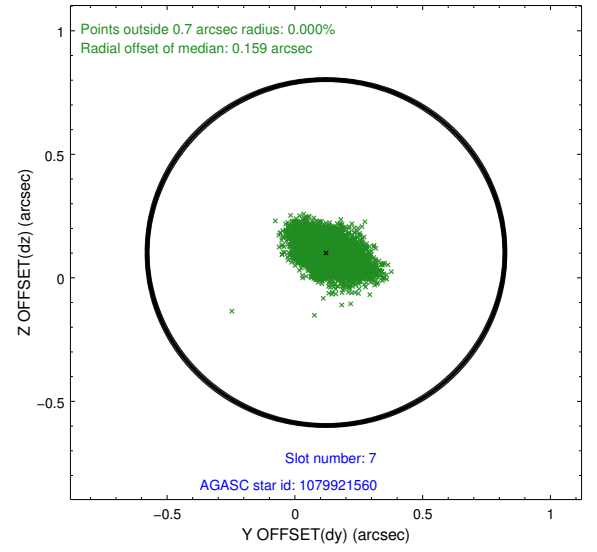
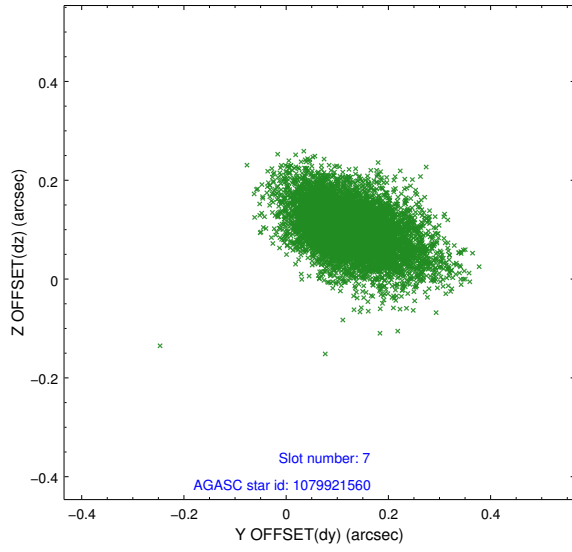
2.4.3 Slot 5



2.4.4 Slot 6

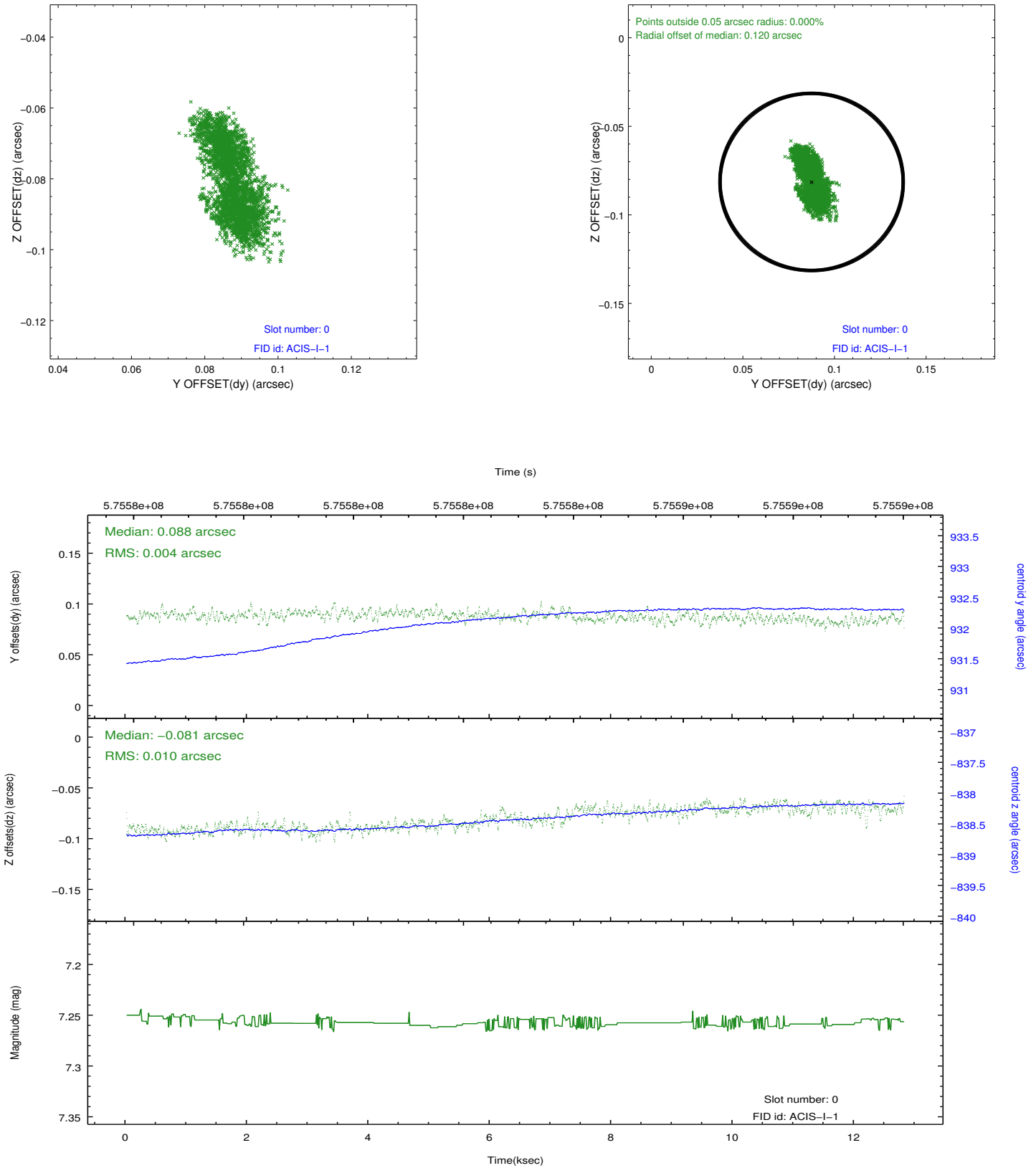


2.4.5 Slot 7

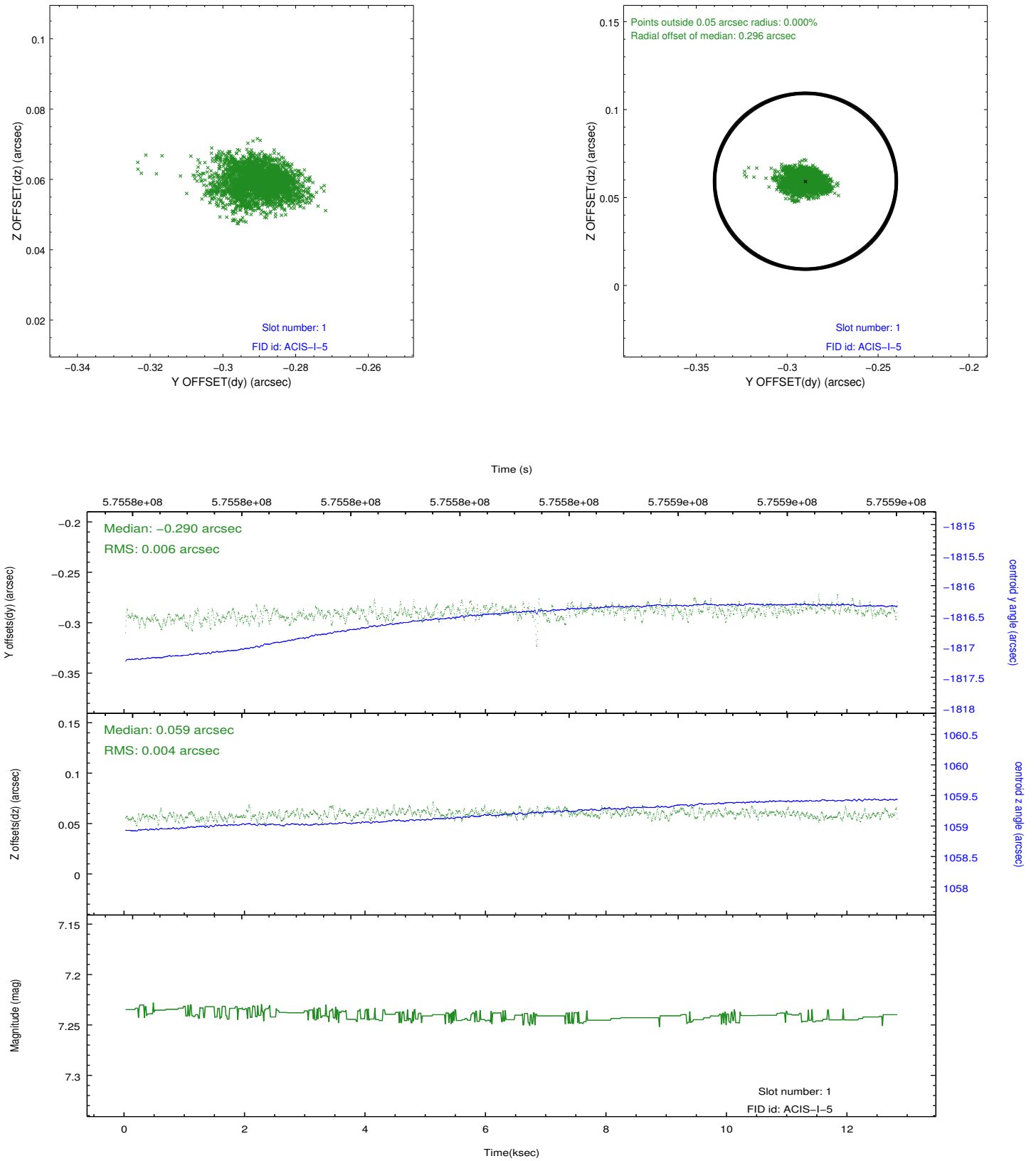


2.5 FID Slots

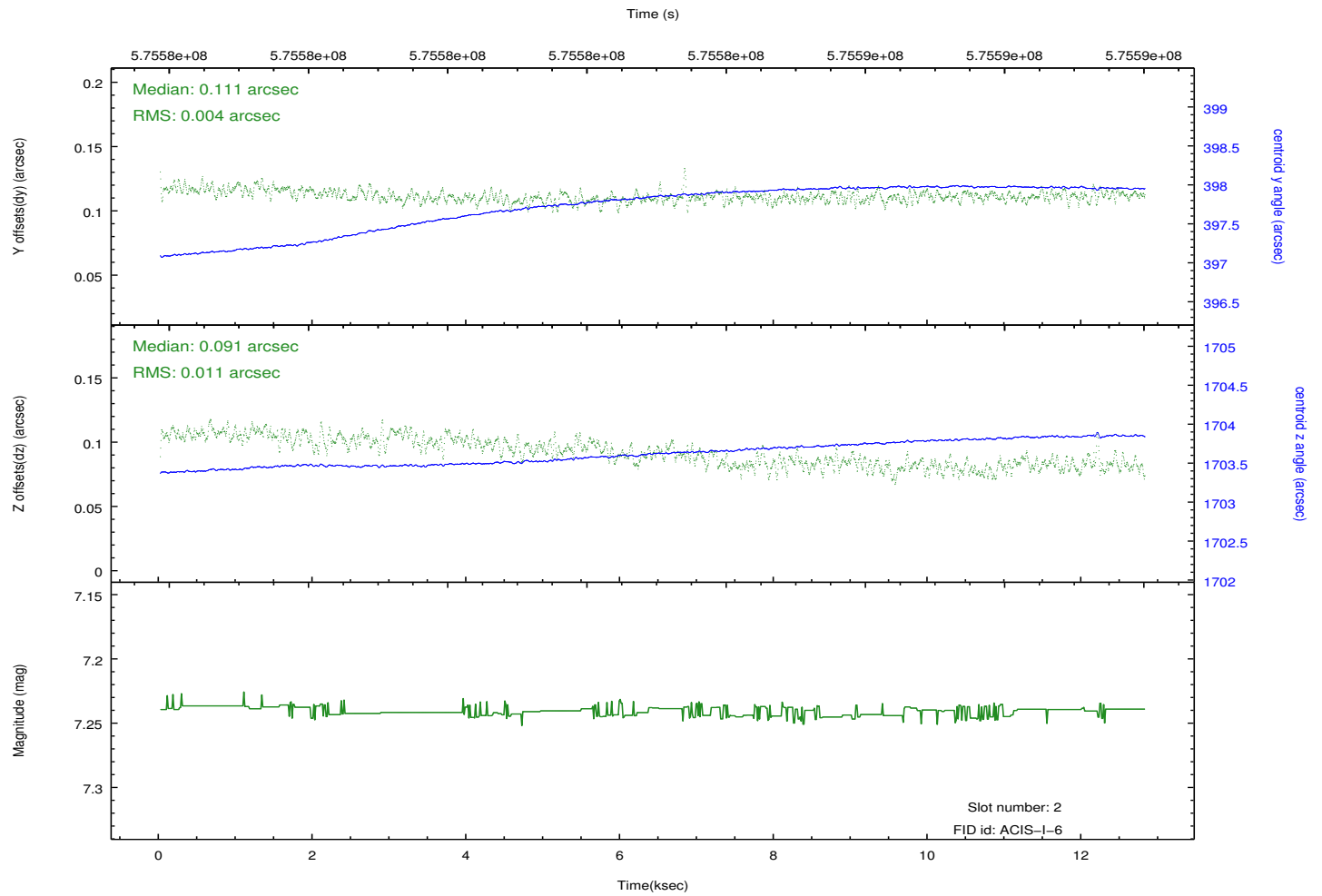
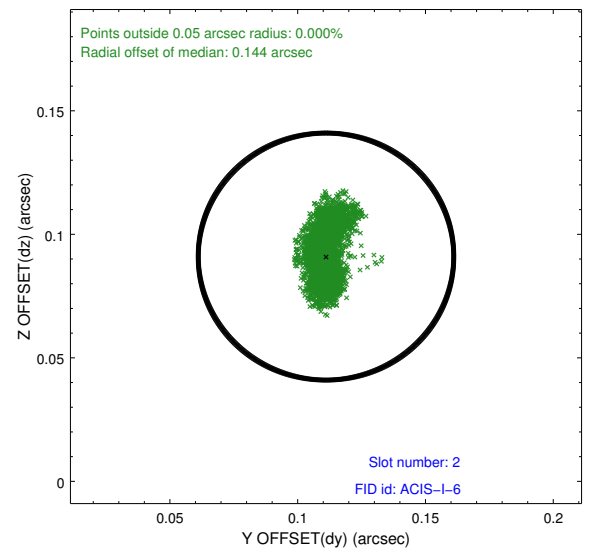
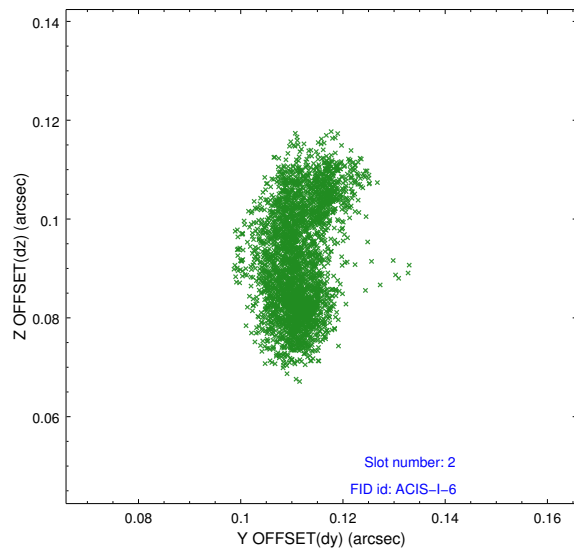
2.5.1 Slot 0



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)	2016.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.080700093031

A.2 Comments