

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22039 - L2 Version 1
Chandra X-Ray Center

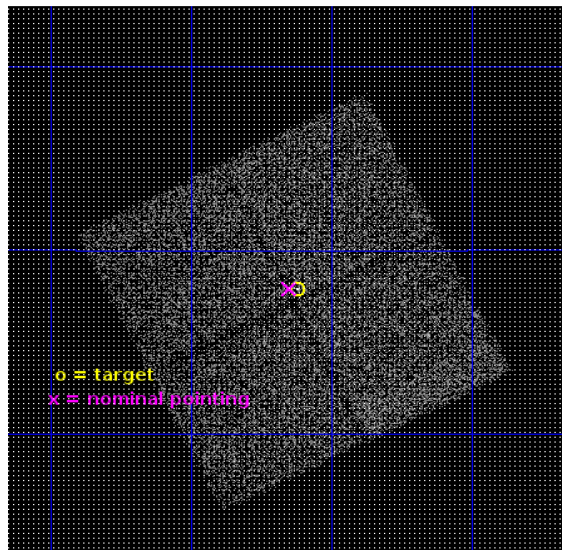
L2 Processing Date : Dec 31 2018

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1 Front

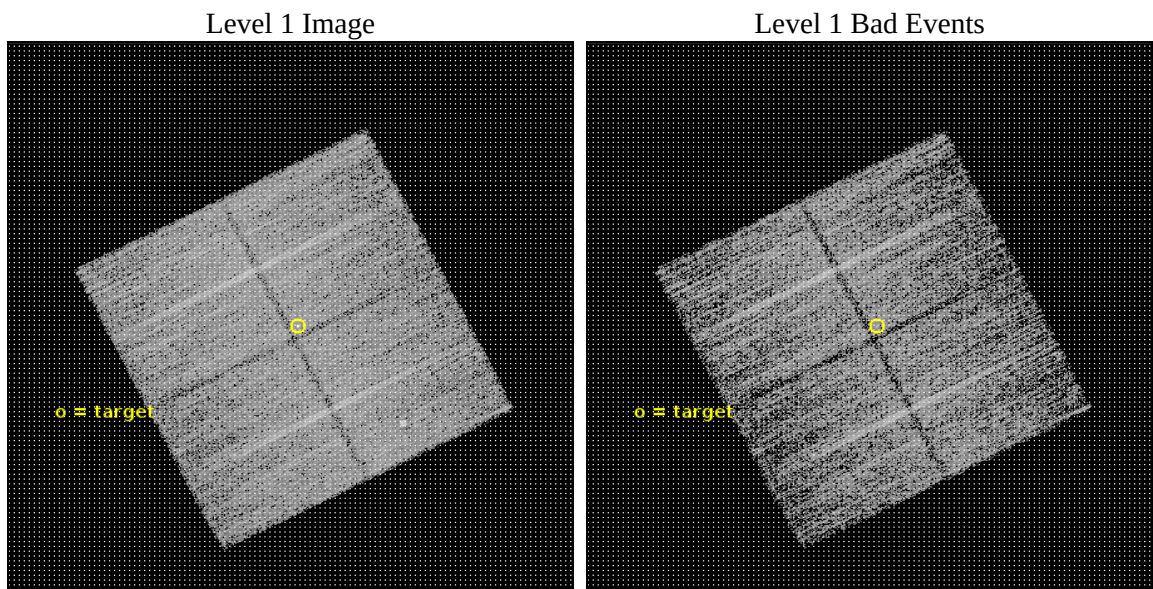
seq_num	703845	Sequence number
obs_id	22039	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	SWIFT J063107.4+112754	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	97.780899	Observer's specified target RA [deg]
dec_targ	11.46491	Observer's specified target Dec [deg]
ra_nom	97.787709541274	Nominal RA [deg]
dec_nom	11.465074132273	Nominal Dec [deg]
roll_nom	333.2073607559	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10077.345923066	Sum of GTIs [s]
livetime	9945.6779797471	Livetime [s]
ontime0	10074.081772923	Sum of GTIs [s]
ontime1	10074.122832775	Sum of GTIs [s]
ontime2	10074.16385293	Sum of GTIs [s]
ontime3	10077.345923066	Sum of GTIs [s]
l2events	28747	Number of level 2 events



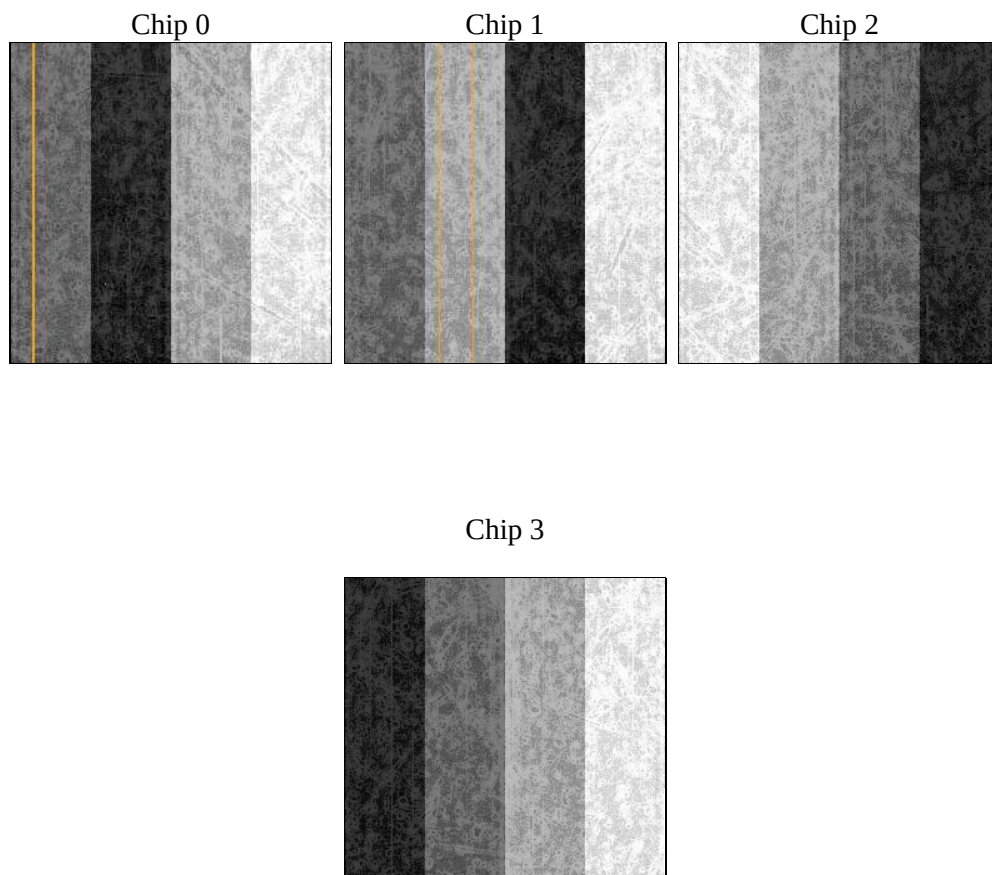
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	10077.345923066	Sum of GTIs [s]
caldsver	4.8.2	 	ontime0	10074.081772923	Sum of GTIs [s]
date	2018-12-31T22:57:47	Date and time of file creation	ontime1	10074.122832775	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10074.16385293	Sum of GTIs [s]
			ontime3	10077.345923066	Sum of GTIs [s]
			l1events	294381	Number of level 1 events

2.1.4 Events

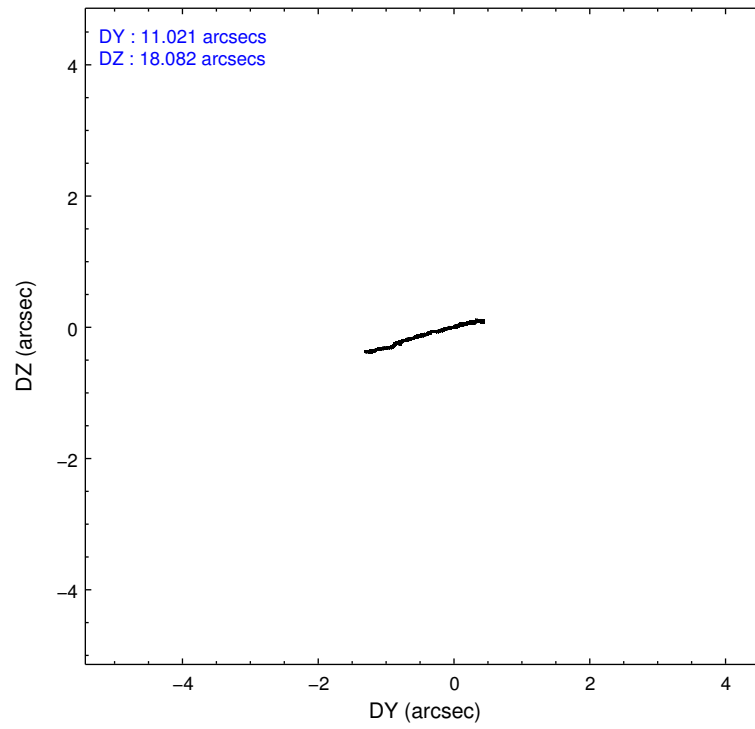
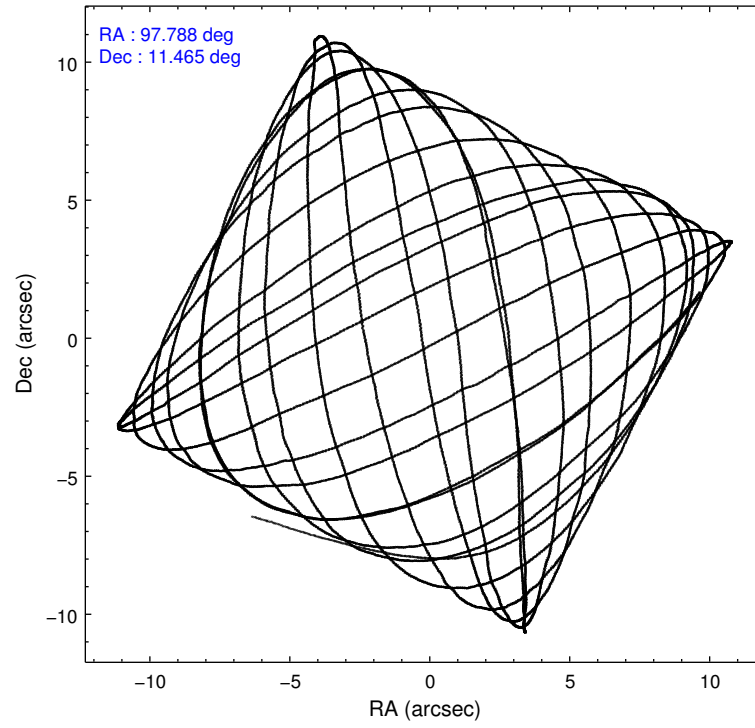
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	67809	73987	78962	73623
rejected events	59454	63806	70698	65299
rejected %	87%	86%	89%	88%

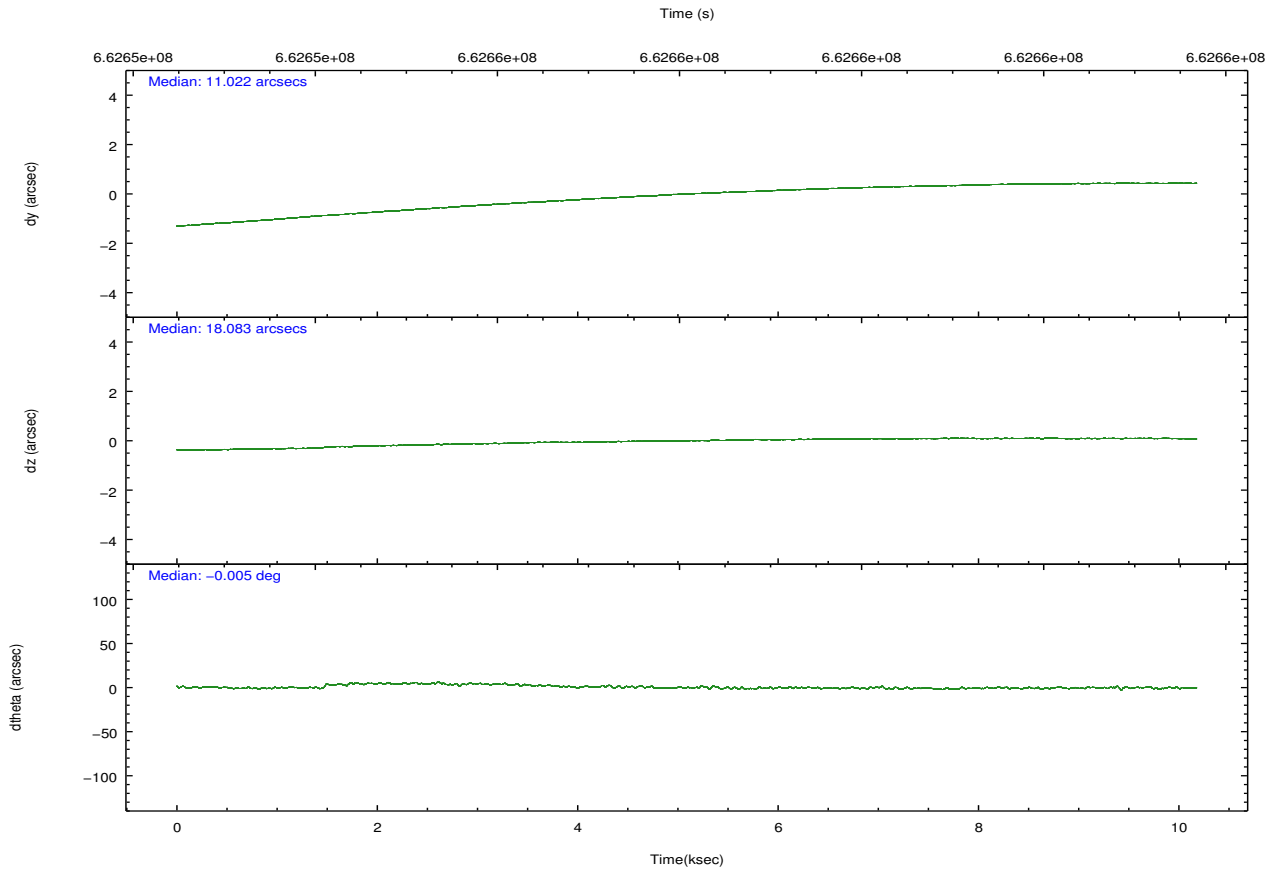
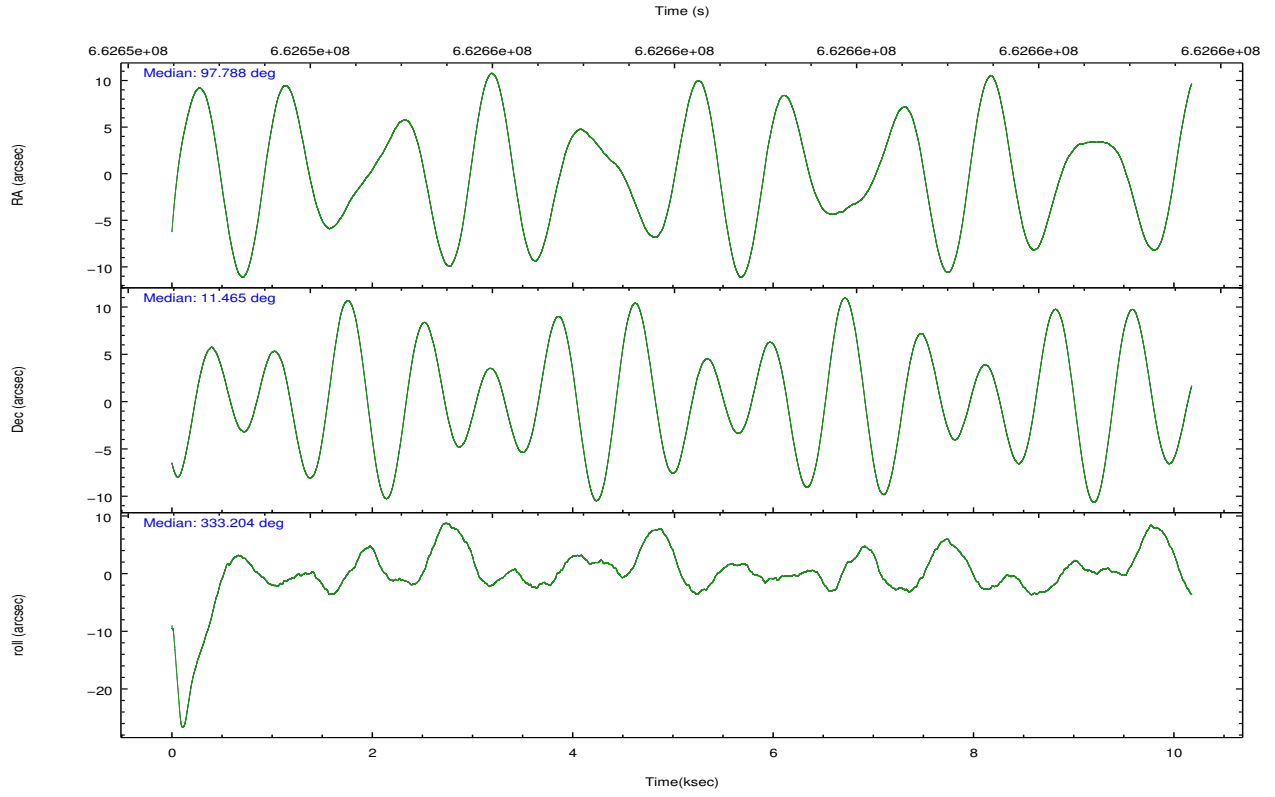
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2794	3762	2989	3056
	4%	5%	3%	4%
grade 1 events	33	50	45	70
	0%	0%	0%	0%
grade 2 events	2181	2456	2042	1774
	3%	3%	2%	2%
grade 3 events	882	913	823	854
	1%	1%	1%	1%
grade 4 events	778	937	804	878
	1%	1%	1%	1%
grade 5 events	3283	3407	3026	3605
	4%	4%	3%	4%
grade 6 events	1730	2116	1608	1768
	2%	2%	2%	2%
grade 7 events	56128	60346	67625	61618
	82%	81%	85%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	97.759584	97.7877095412739	Subarray requested	NONE	NONE
[deg] Pointing Dec	11.463438	11.46507413227339	Alternating exposures requested	N	N
[deg] Pointing Roll	333.004239	333.2073607559036	[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)	662653194.184000	662652072.17251			
Observation start date	2018-12-31T14:18:45	2018-12-31T14:01:12			
[s] Observation end time (MET)	662663194.184000	662664073.89823			
Observation end date	2018-12-31T17:05:25	2018-12-31T17:21:13			
Read mode	TIMED	TIMED			

2.3 Aspect



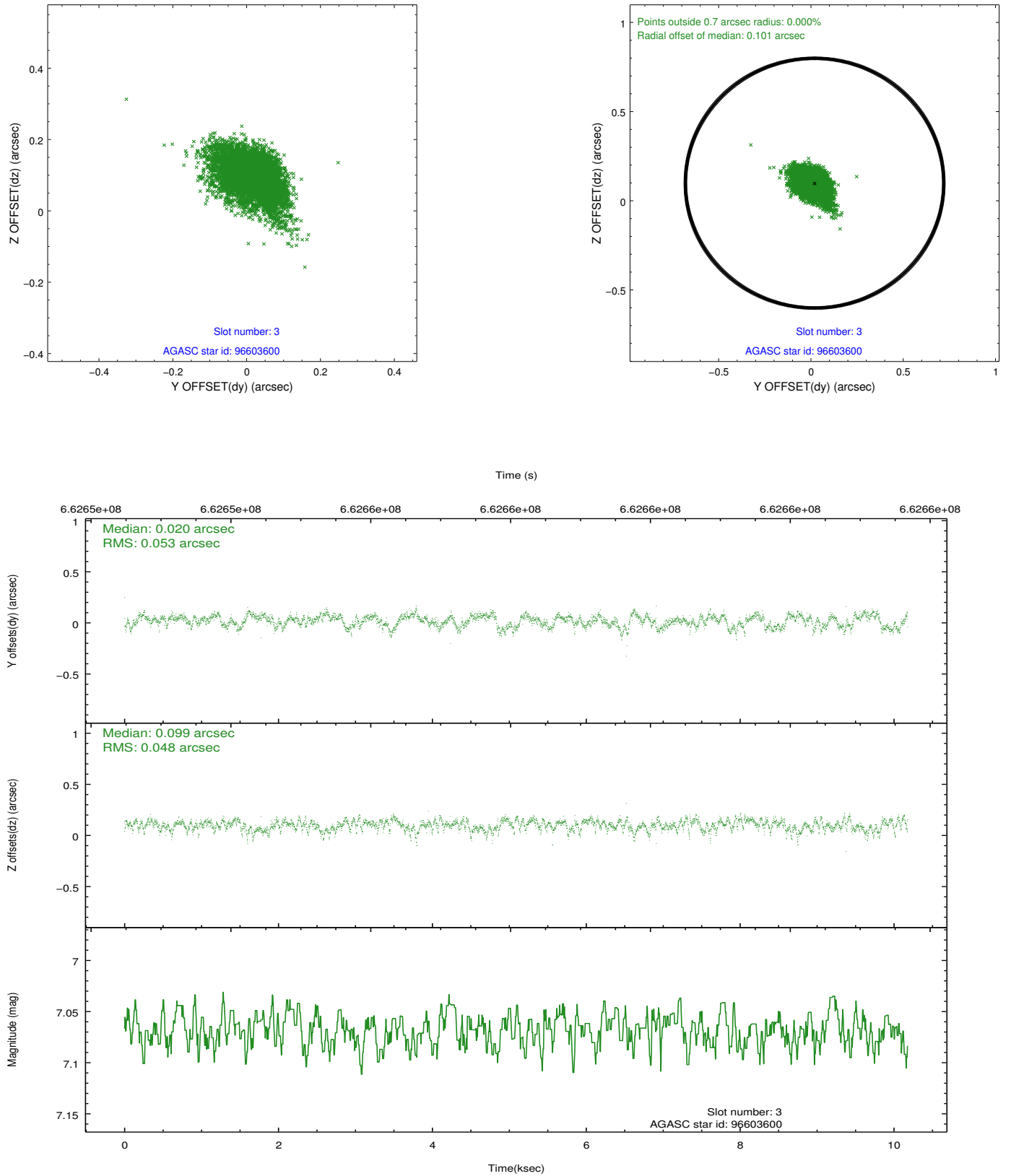


Slot Statistics

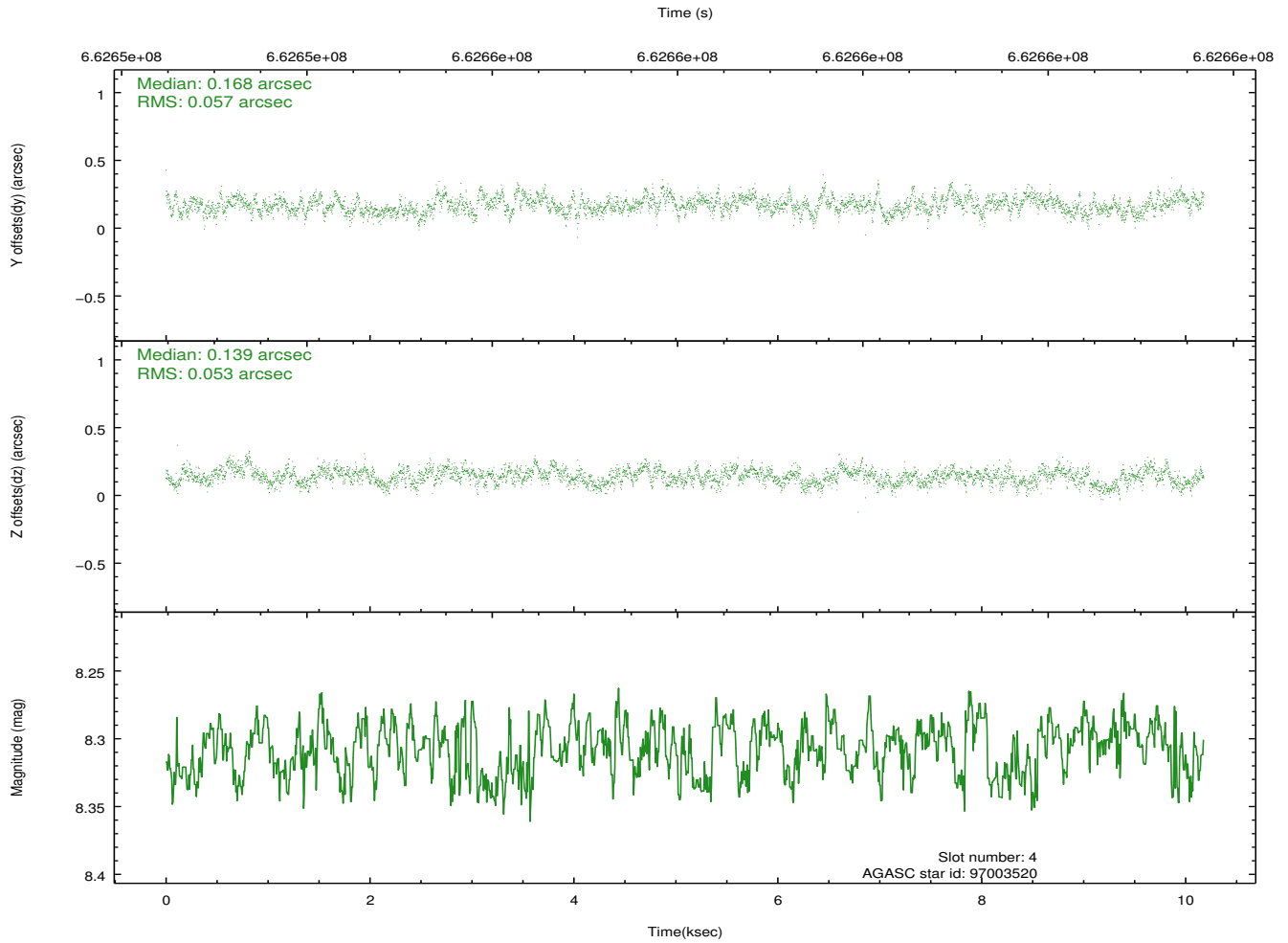
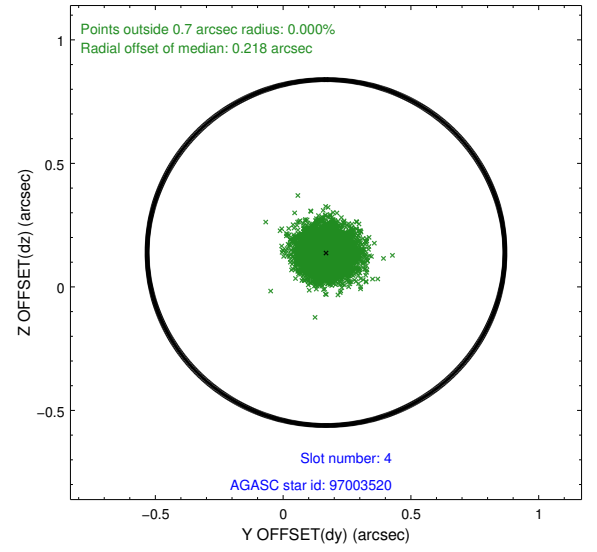
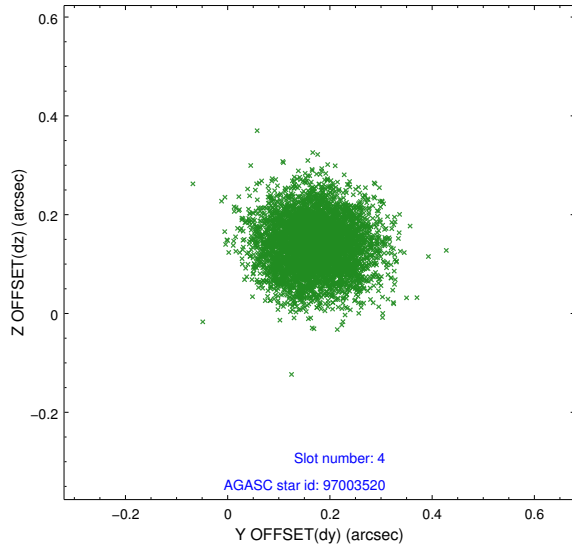
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-2	7.05	2483	1.000	-0.366	-0.138	0.016	0.035	0.000000	0.000000	-765.79	-848
1	FID		ACIS-I-4	7.11	2482	1.000	0.733	0.224	0.012	0.022	0.000000	0.000000	2149.04	1058
2	FID		ACIS-I-5	7.16	2483	1.000	-0.471	-0.016	0.014	0.033	0.000000	0.000000	-1819.14	1056
3	GUIDE	used	96603600	7.07	4964	1.000	0.020	0.099	0.075	0.126	97.920572	11.102189	1097.40	-900
4	GUIDE	used	97003520	8.31	4962	1.000	0.168	0.139	0.085	0.133	97.416130	11.698106	-1461.65	203
5	GUIDE	used	97128840	7.44	4966	1.000	-0.344	-0.433	0.073	0.114	98.182611	11.580105	1137.79	1052
6	GUIDE	used	96473800	8.09	4964	1.000	0.374	0.604	0.109	0.172	97.304964	10.933898	-562.02	-2425
7	GUIDE	used	97130088	9.08	4959	1.000	-0.210	-0.412	0.116	0.187	98.275920	11.598954	1400.21	1262

2.4 Star Slots

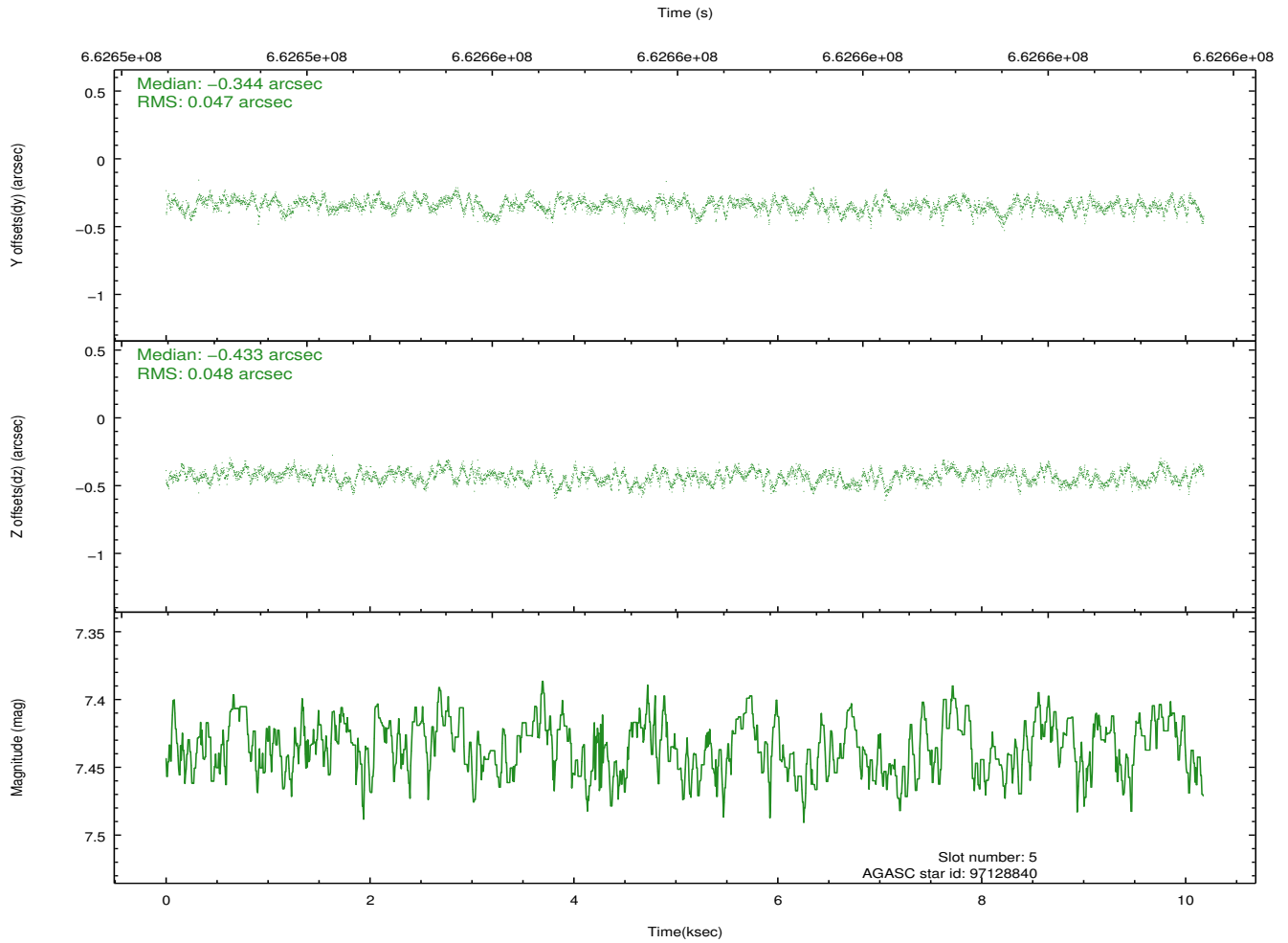
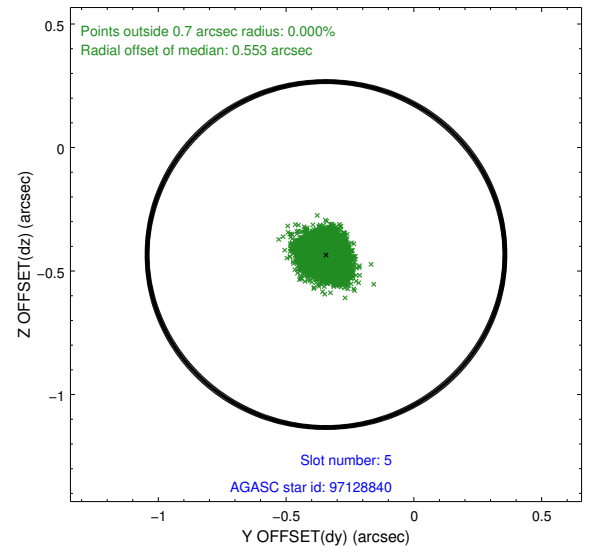
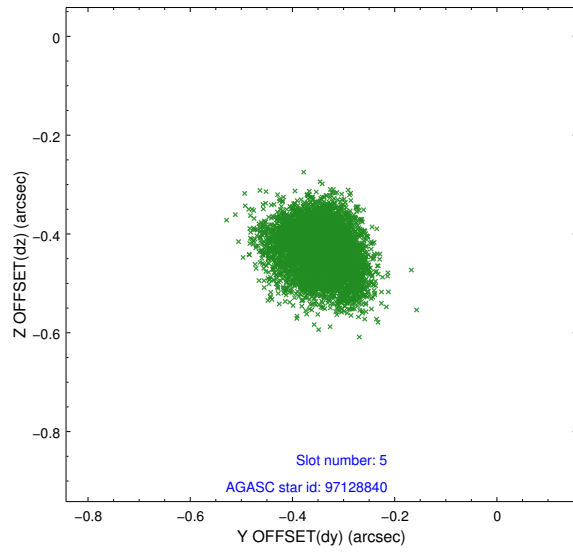
2.4.1 Slot 3



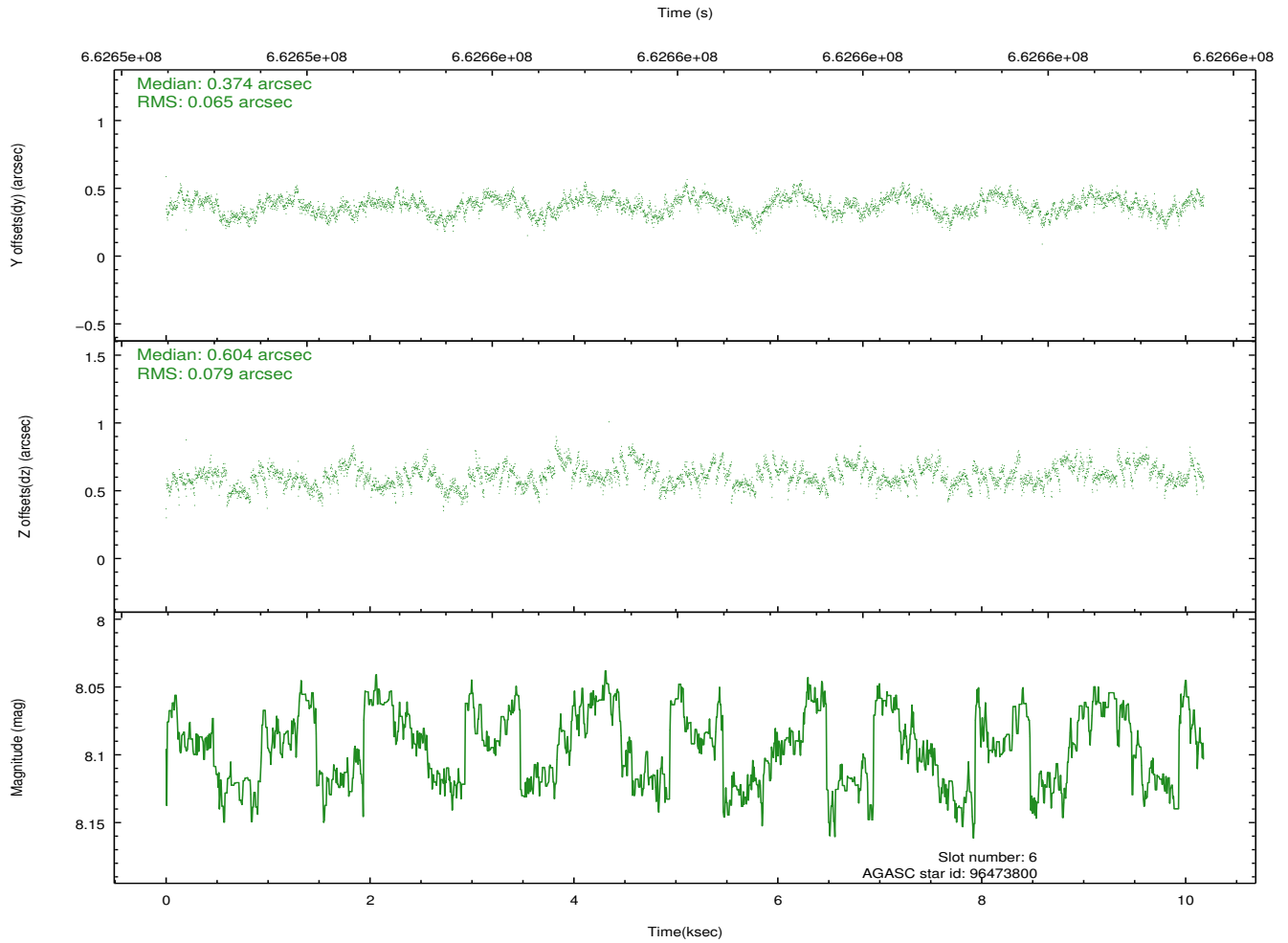
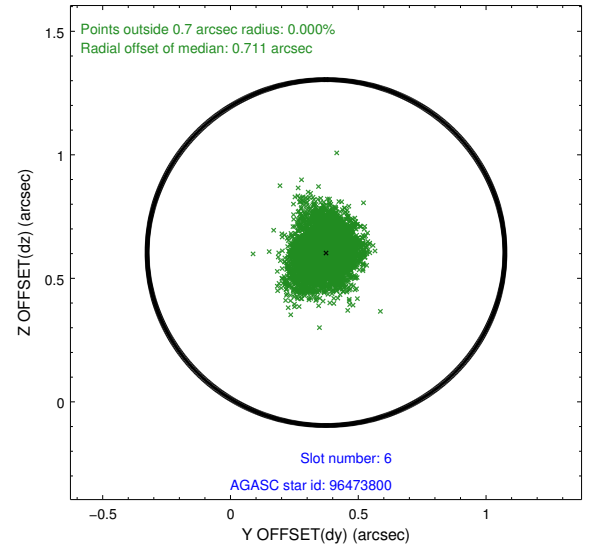
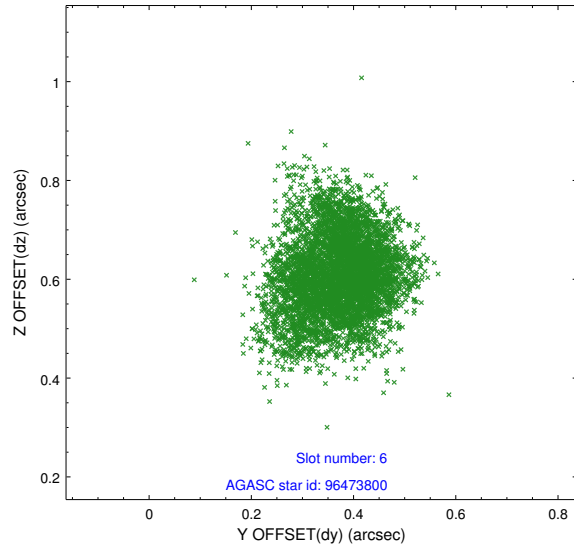
2.4.2 Slot 4



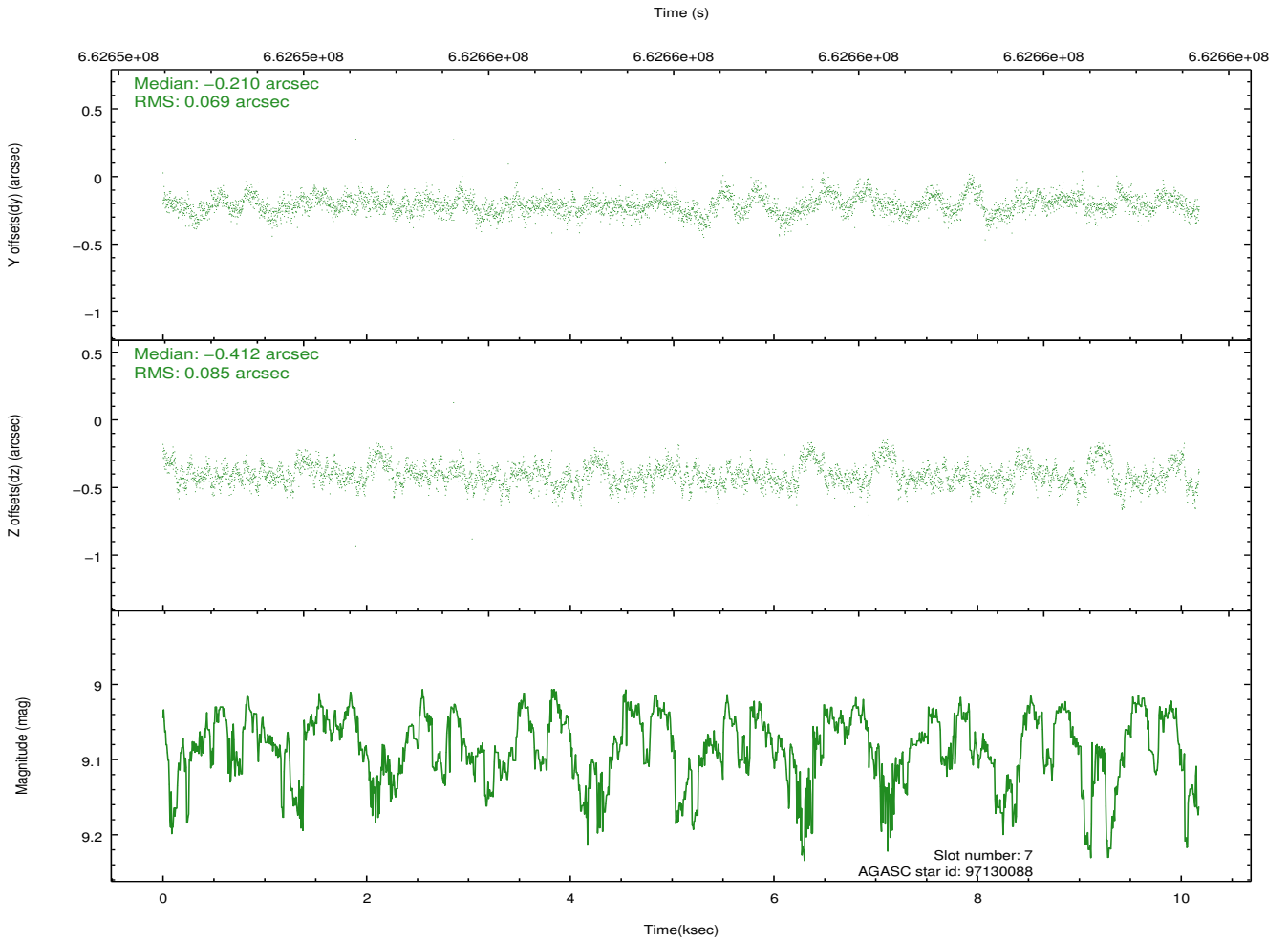
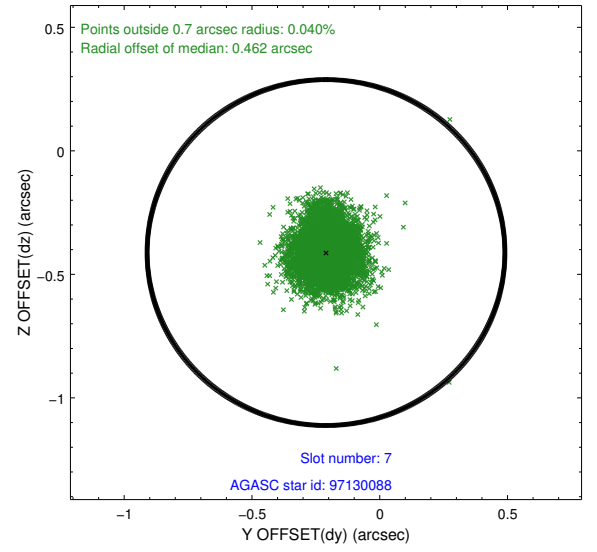
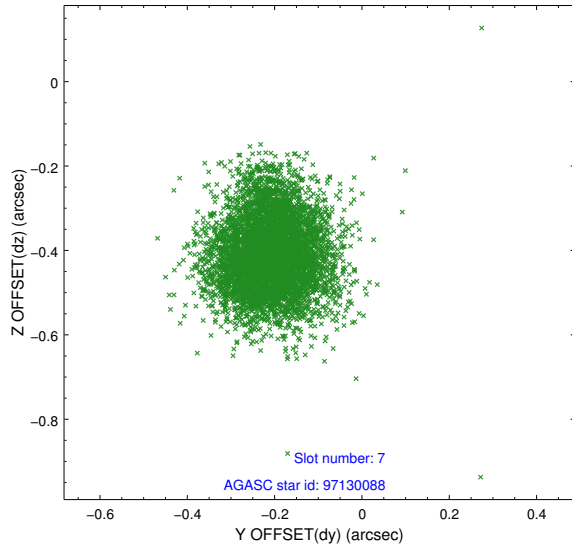
2.4.3 Slot 5



2.4.4 Slot 6

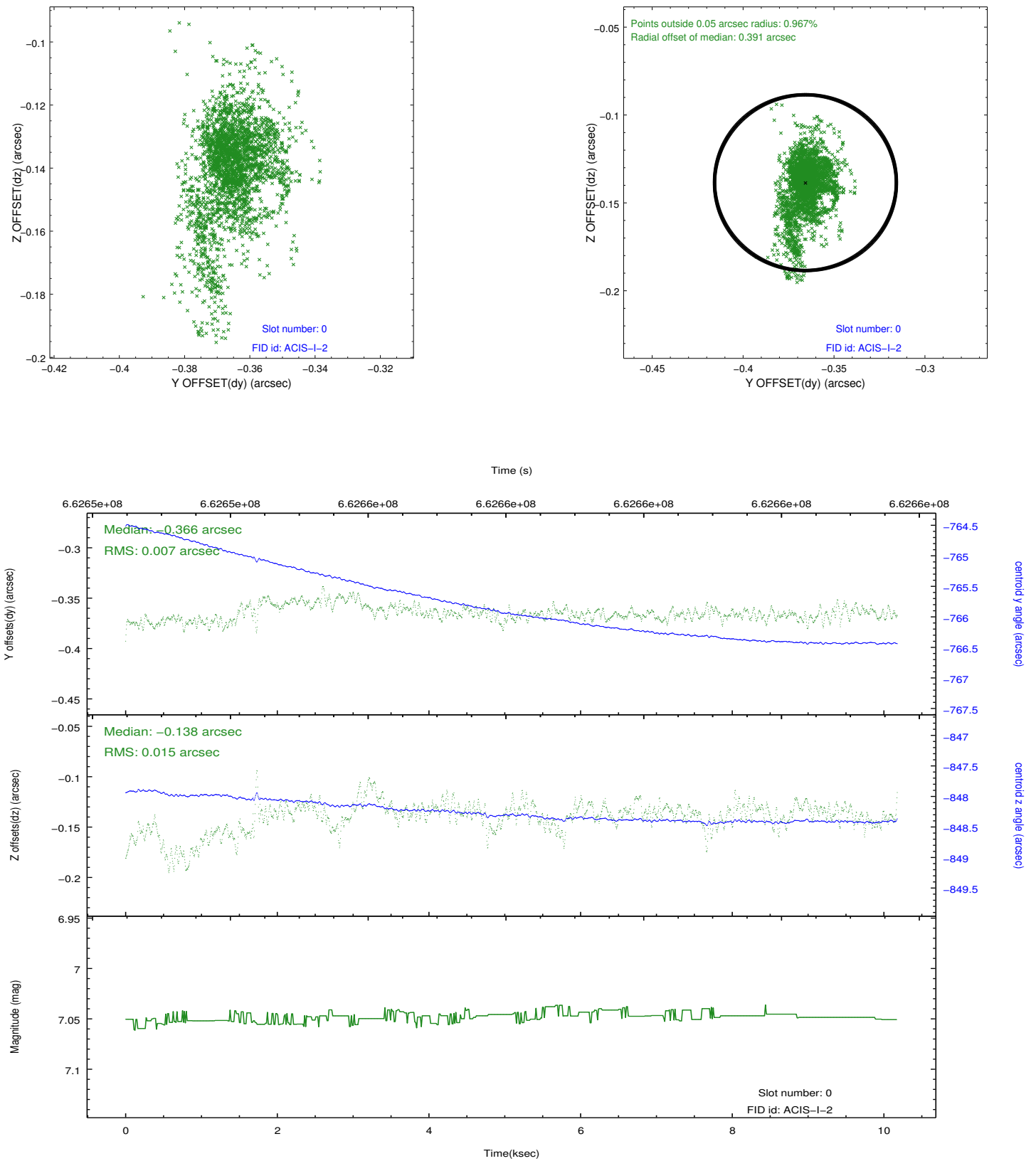


2.4.5 Slot 7

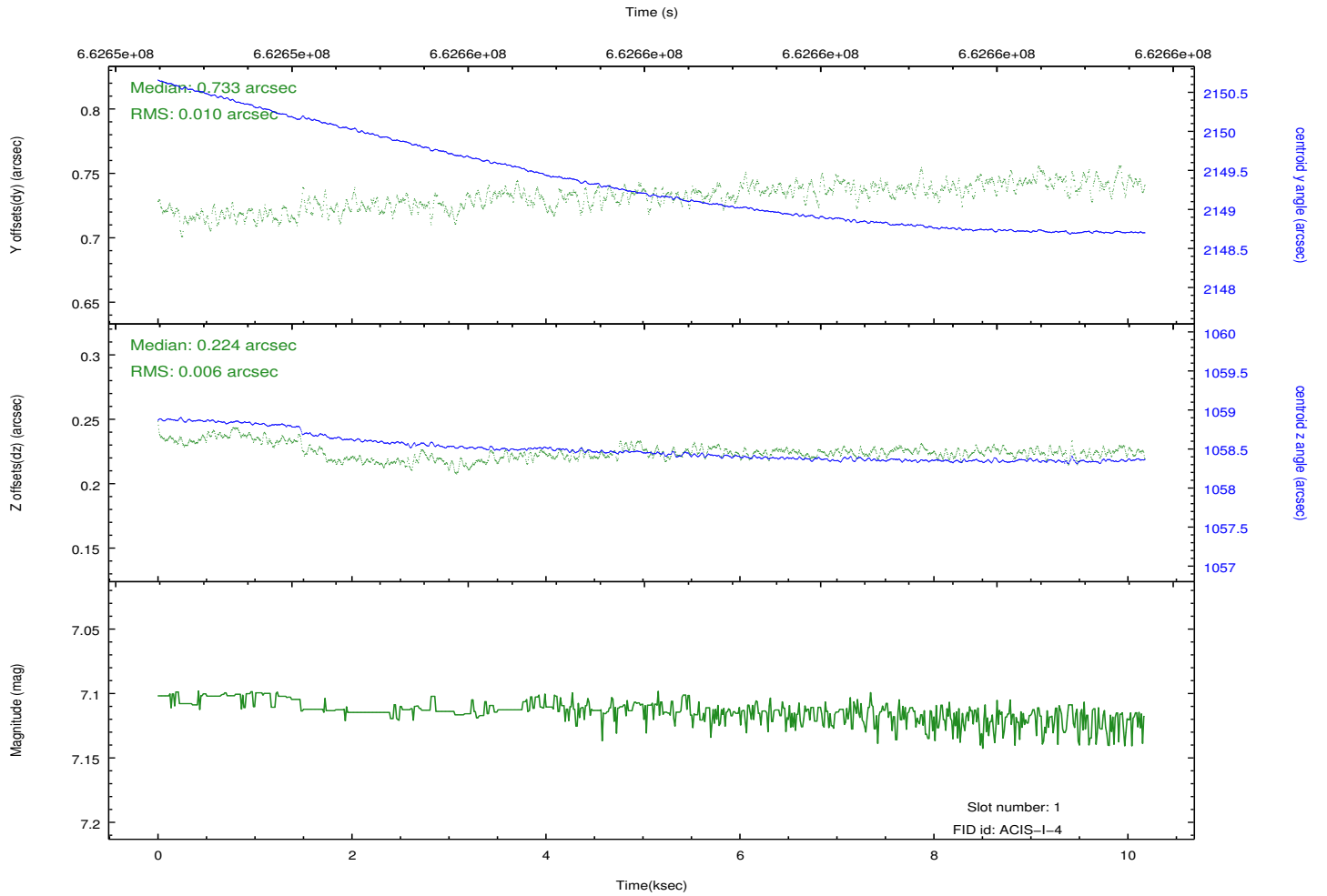
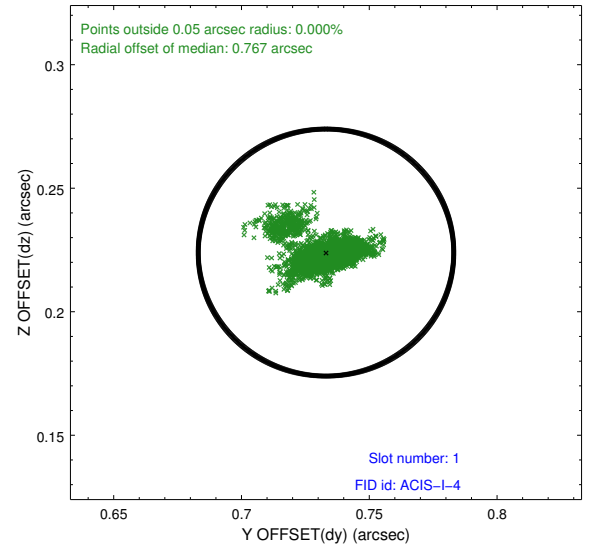
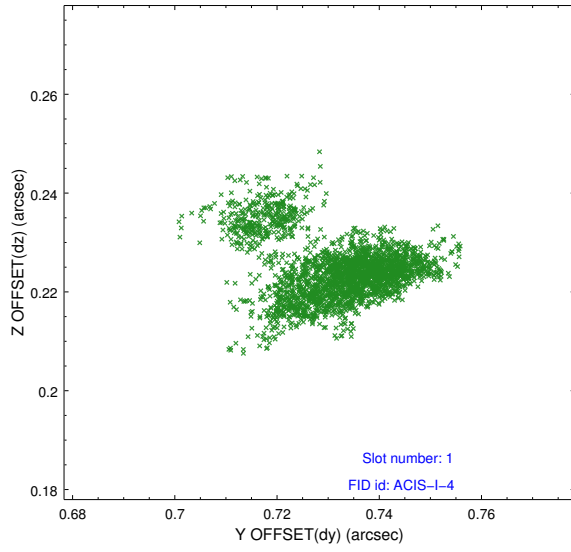


2.5 FID Slots

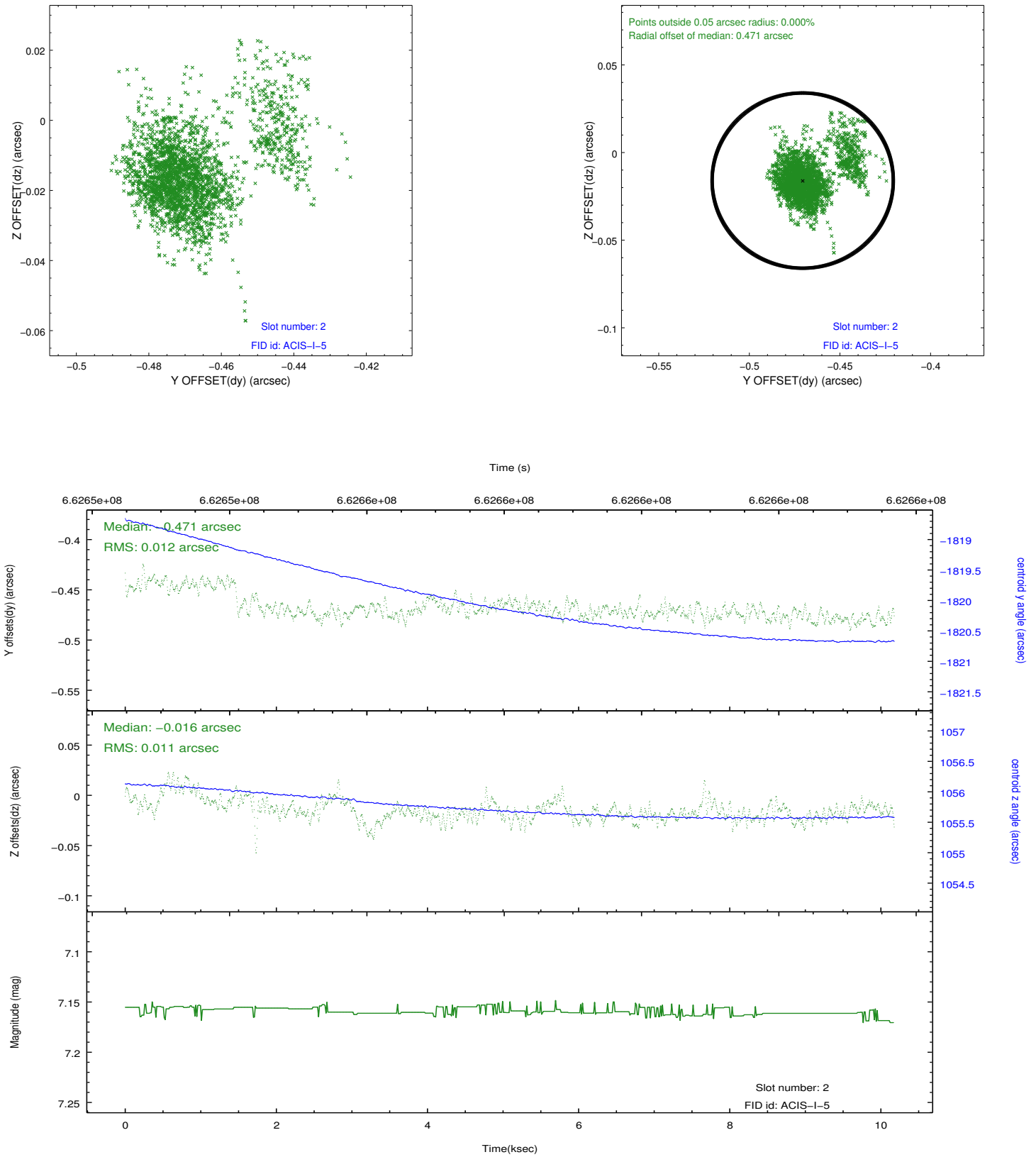
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.01.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.077345923066

A.2 Comments