

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22061 - L2 Version 1
Chandra X-Ray Center

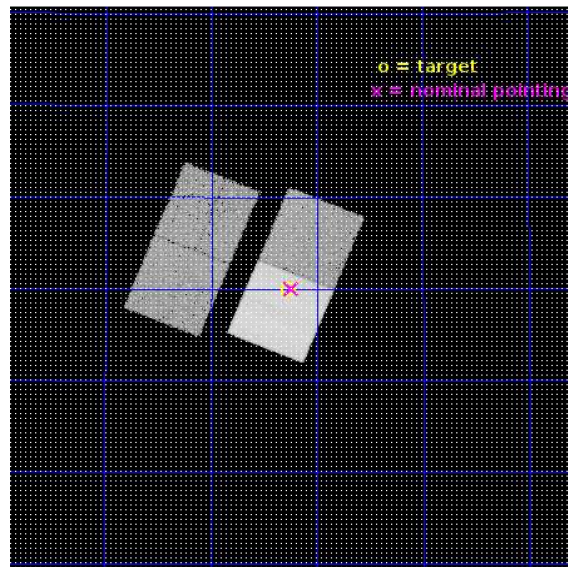
L2 Processing Date : Jan 27 2019

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1 Front

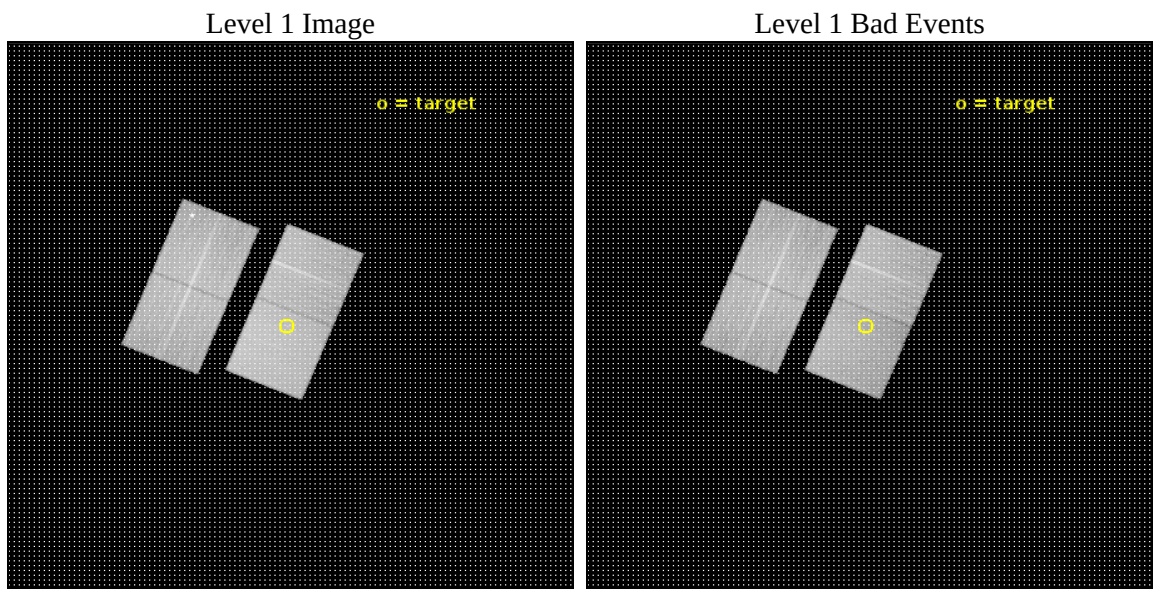
seq_num	601430	Sequence number
obs_id	22061	Observation id
title	The Inner Mass Profile of the Compact Elliptical Galaxy PGC 032873	
observer	David Buote	Principal investigator
object	PGC 032873	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.066667	Observer's specified target RA [deg]
dec_targ	42.333056	Observer's specified target Dec [deg]
ra_nom	164.06054781524	Nominal RA [deg]
dec_nom	42.333966030375	Nominal Dec [deg]
roll_nom	112.16071611082	Nominal Roll [deg]
revision	1	Processing version of data
ontime	32068.980750561	Sum of GTIs [s]
livetime	31649.975908215	Livetime [s]
ontime2	32068.85763061	Sum of GTIs [s]
ontime3	32068.898670554	Sum of GTIs [s]
ontime6	32065.798690319	Sum of GTIs [s]
ontime7	32068.980750561	Sum of GTIs [s]
l2events	200569	Number of level 2 events



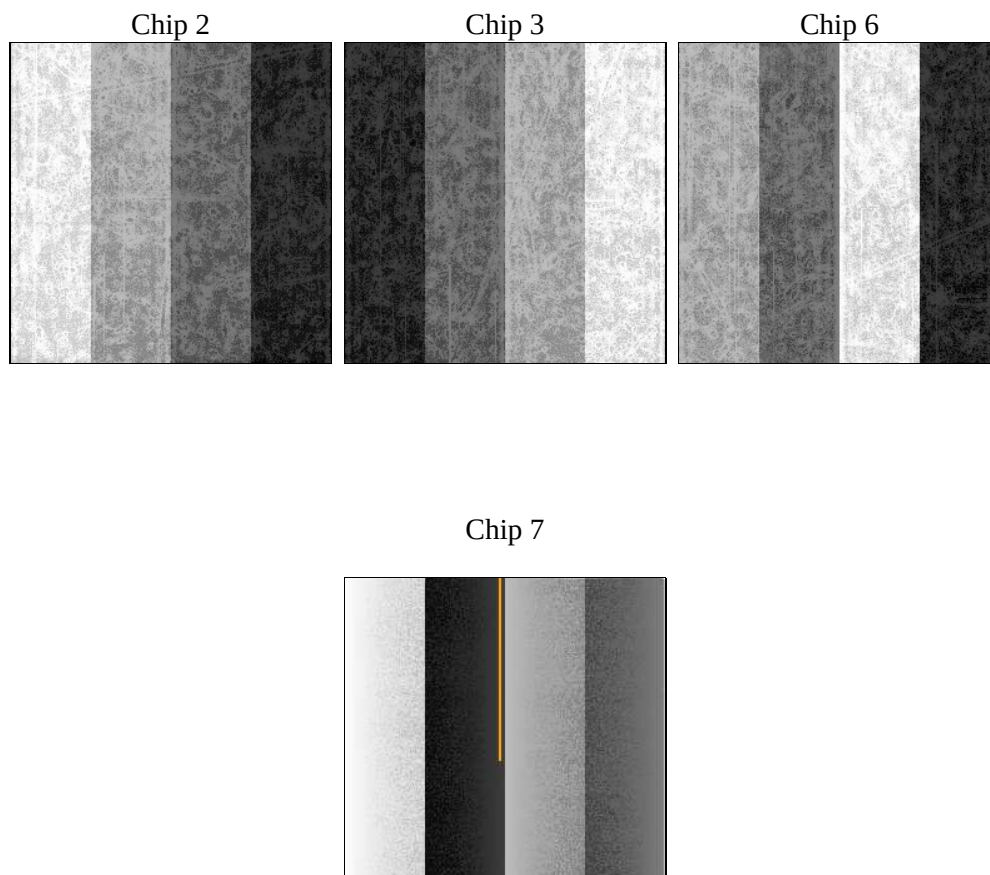
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	32068.980750561	Sum of GTIs [s]
caldsver	4.8.2	 	ontime2	32068.85763061	Sum of GTIs [s]
date	2019-01-27T14:36:05	Date and time of file creation	ontime3	32068.898670554	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	32065.798690319	Sum of GTIs [s]
			ontime7	32068.980750561	Sum of GTIs [s]
			l1events	1055570	Number of level 1 events

2.1.4 Events

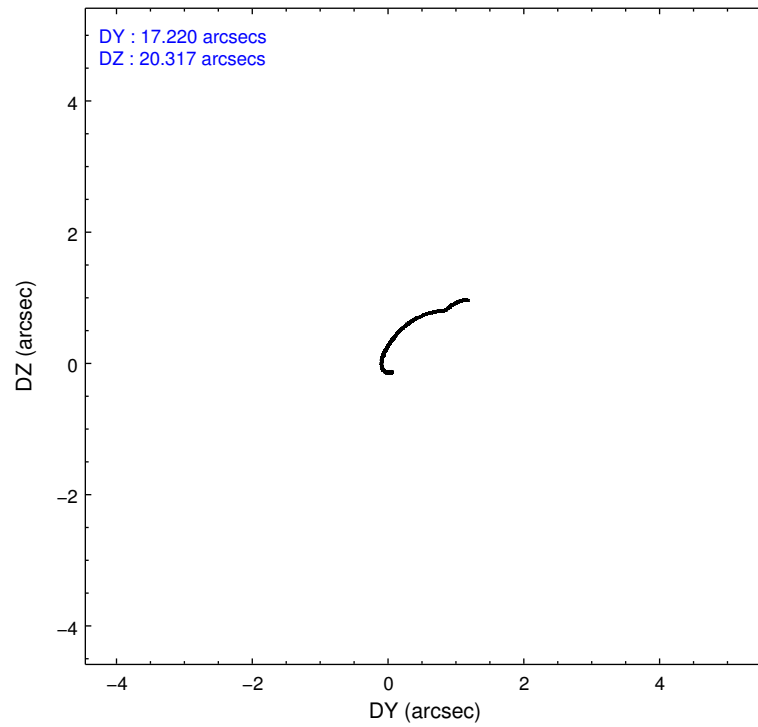
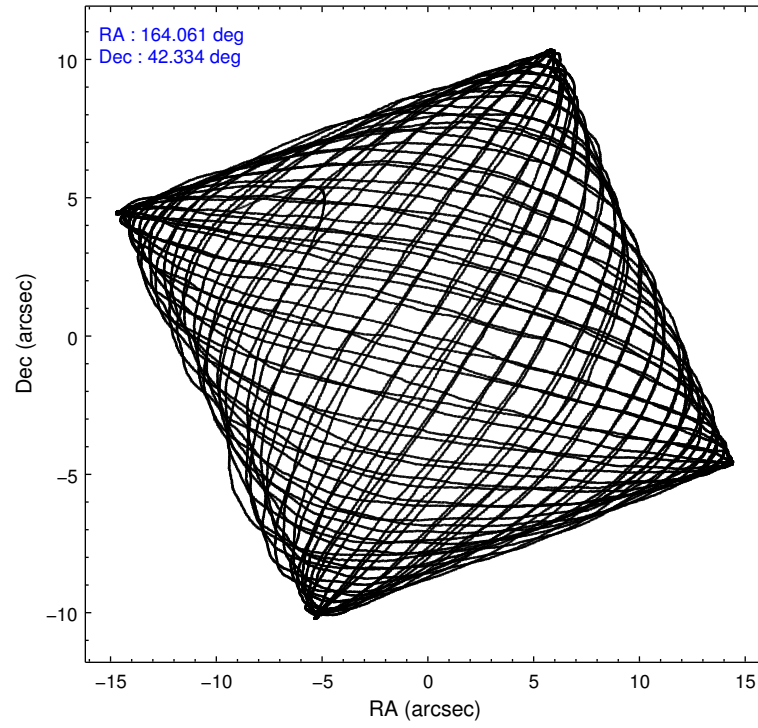
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	251749	238204	250448	315169
rejected events	222621	213813	222926	177986
rejected %	88%	89%	89%	56%

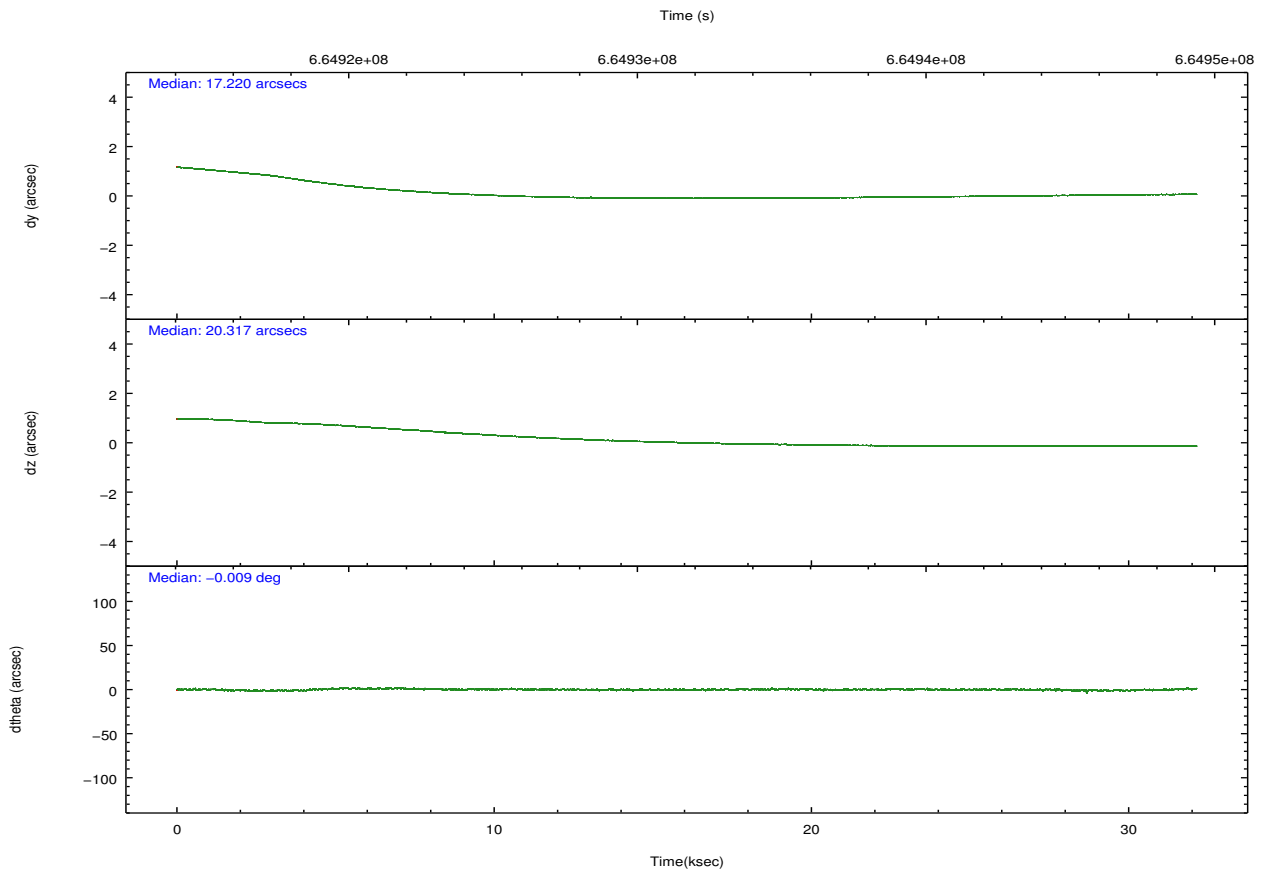
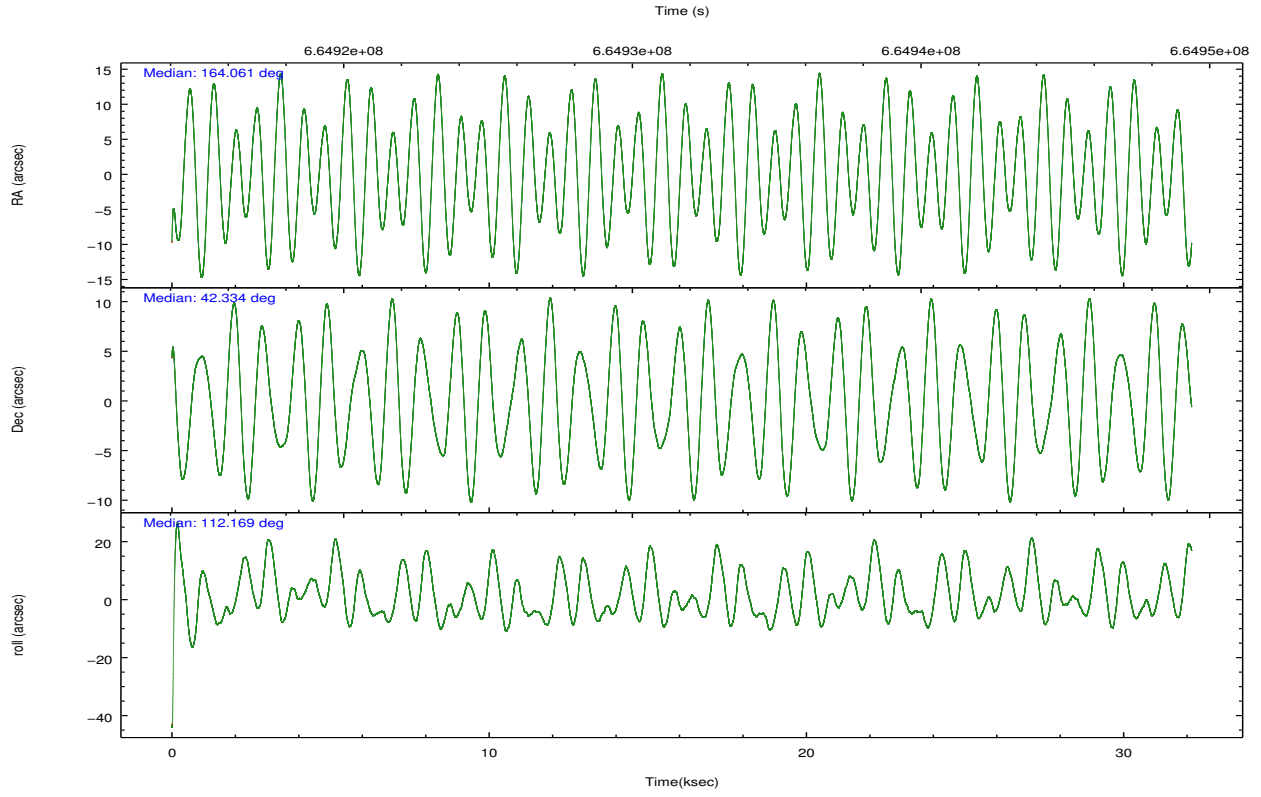
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12769	8374	8396	11315
	5%	3%	3%	3%
grade 1 events	194	124	111	424
	0%	0%	0%	0%
grade 2 events	5961	5474	7050	28760
	2%	2%	2%	9%
grade 3 events	2586	2553	2559	10915
	1%	1%	1%	3%
grade 4 events	2562	2641	2479	10675
	1%	1%	0%	3%
grade 5 events	9164	10958	10656	30578
	3%	4%	4%	9%
grade 6 events	5256	5352	7044	75531
	2%	2%	2%	23%
grade 7 events	213257	202728	212153	146971
	84%	85%	84%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	O2	N
Observation mode	POINTING	POINTING	CCD I1 on	O1	N
[deg] Pointing RA	164.090175	164.060547815242	CCD I2 on	Y	Y
[deg] Pointing Dec	42.317416	42.33396603037502	CCD I3 on	Y	Y
[deg] Pointing Roll	111.984170	112.160716110821	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	664915792.184000	664914588.1201	CCD S5 on	N	N
Observation start date	2019-01-26T18:48:43	2019-01-26T18:29:48	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	664947792.184000	664948736.50964	On-chip summing requested	N	N
Observation end date	2019-01-27T03:42:03	2019-01-27T03:58:56	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



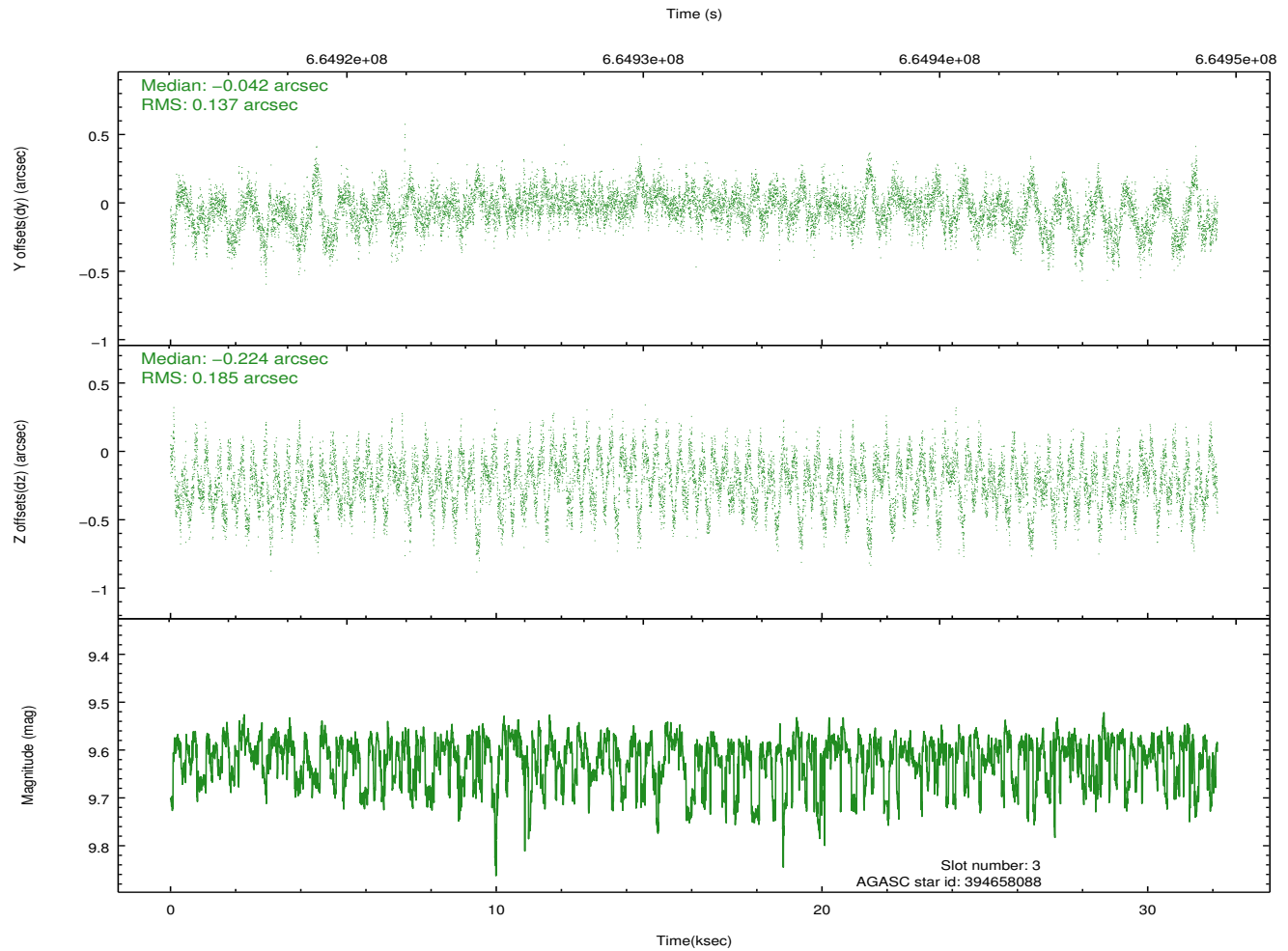
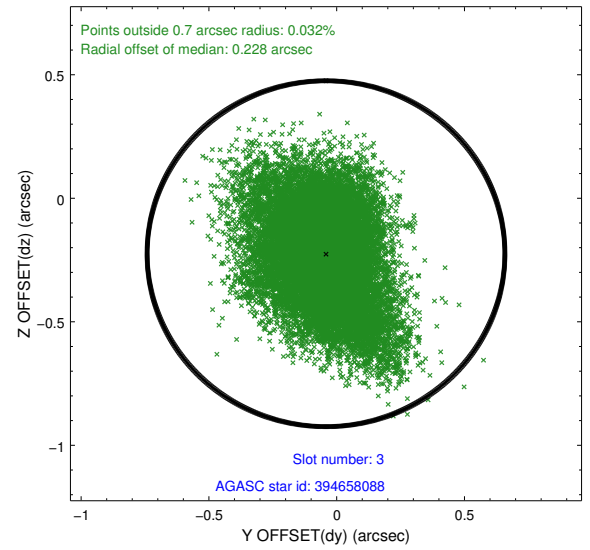
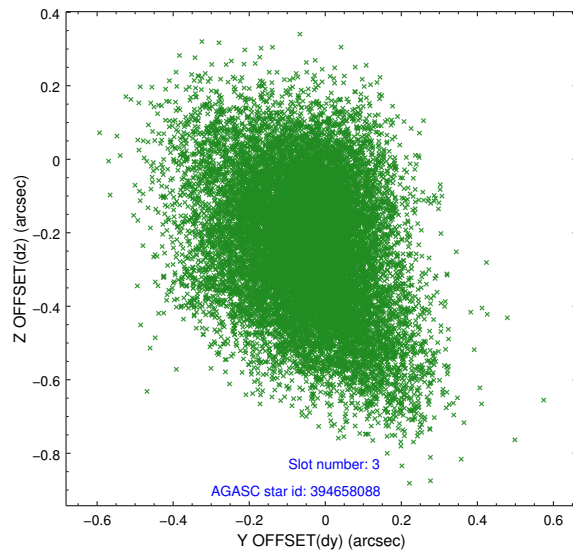


Slot Statistics

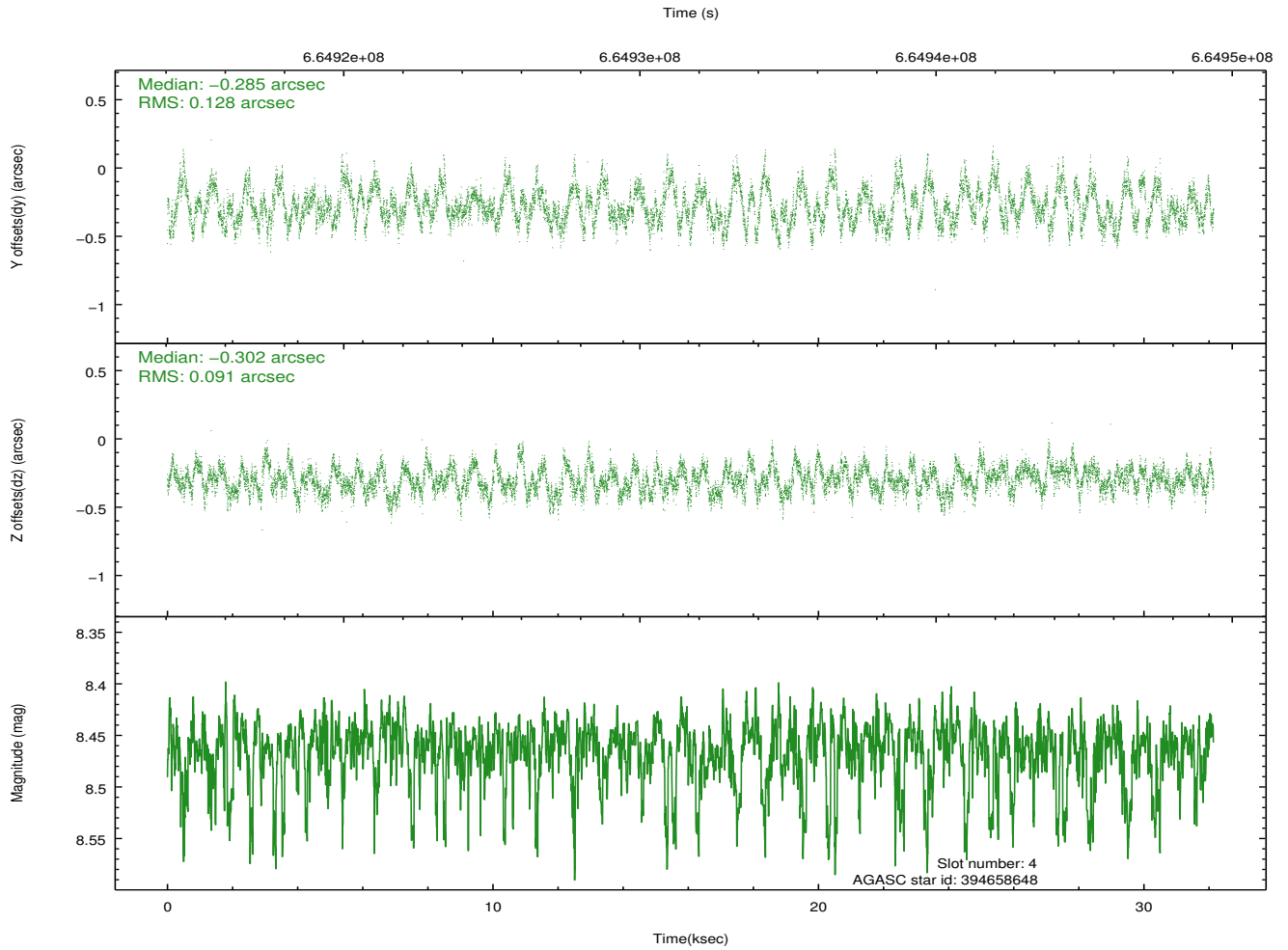
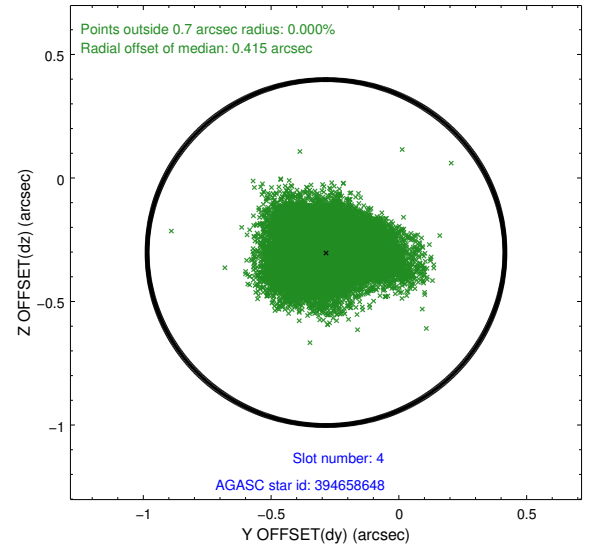
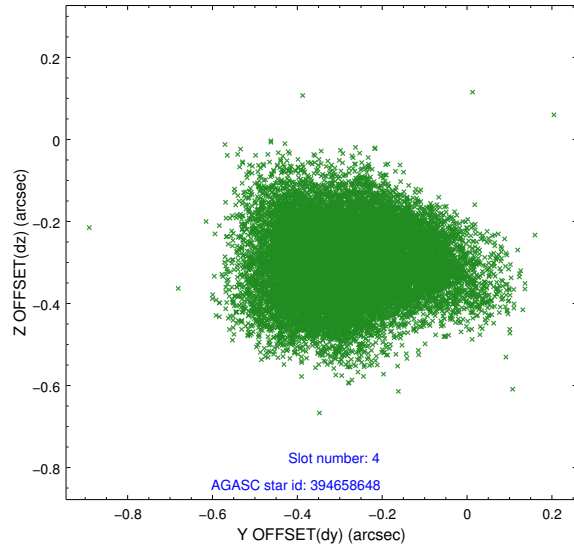
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.13	7841	1.000	0.211	-0.153	0.013	0.024	0.000000	0.000000	925.96	-1737
1	FID		ACIS-S-5	7.12	7839	1.000	-0.526	0.065	0.010	0.016	0.000000	0.000000	-1823.85	159
2	FID		ACIS-S-6	7.29	7840	1.000	0.293	0.098	0.015	0.023	0.000000	0.000000	391.38	803
3	GUIDE	used	394658088	9.61	15649	1.000	-0.042	-0.224	0.242	0.406	163.727854	42.594046	1284.90	516
4	GUIDE	used	394658648	8.46	15676	1.000	-0.285	-0.302	0.169	0.262	163.710510	42.859211	2185.49	197
5	GUIDE	used	394660048	9.26	15624	1.000	0.734	0.822	0.197	0.340	164.917815	42.156666	-1352.82	-1832
6	GUIDE	used	394660208	9.39	15629	1.000	-0.233	-0.179	0.213	0.340	163.616392	42.544985	1233.47	857
7	GUIDE	used	394661368	9.01	15618	1.000	-0.150	-0.088	0.294	0.559	163.591300	41.451247	-2383.81	2414

2.4 Star Slots

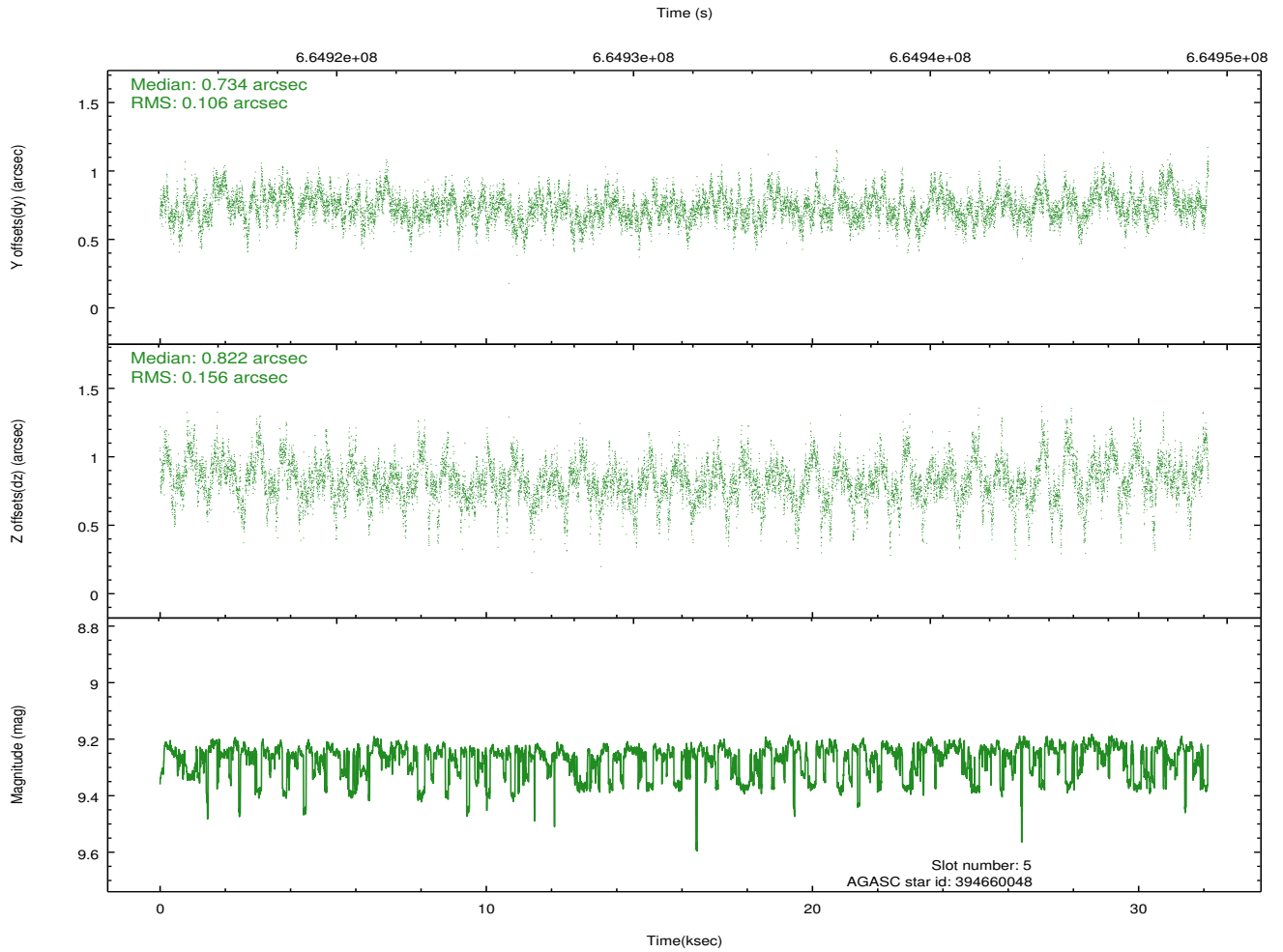
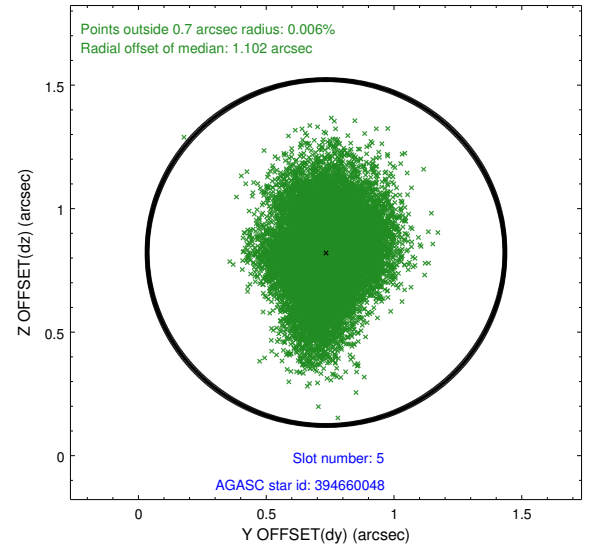
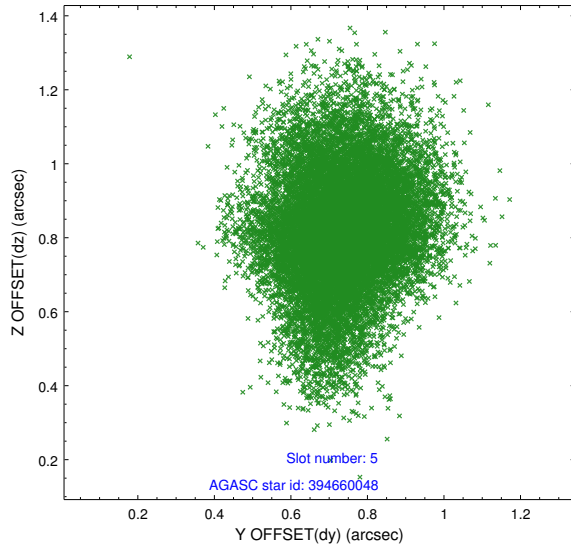
2.4.1 Slot 3



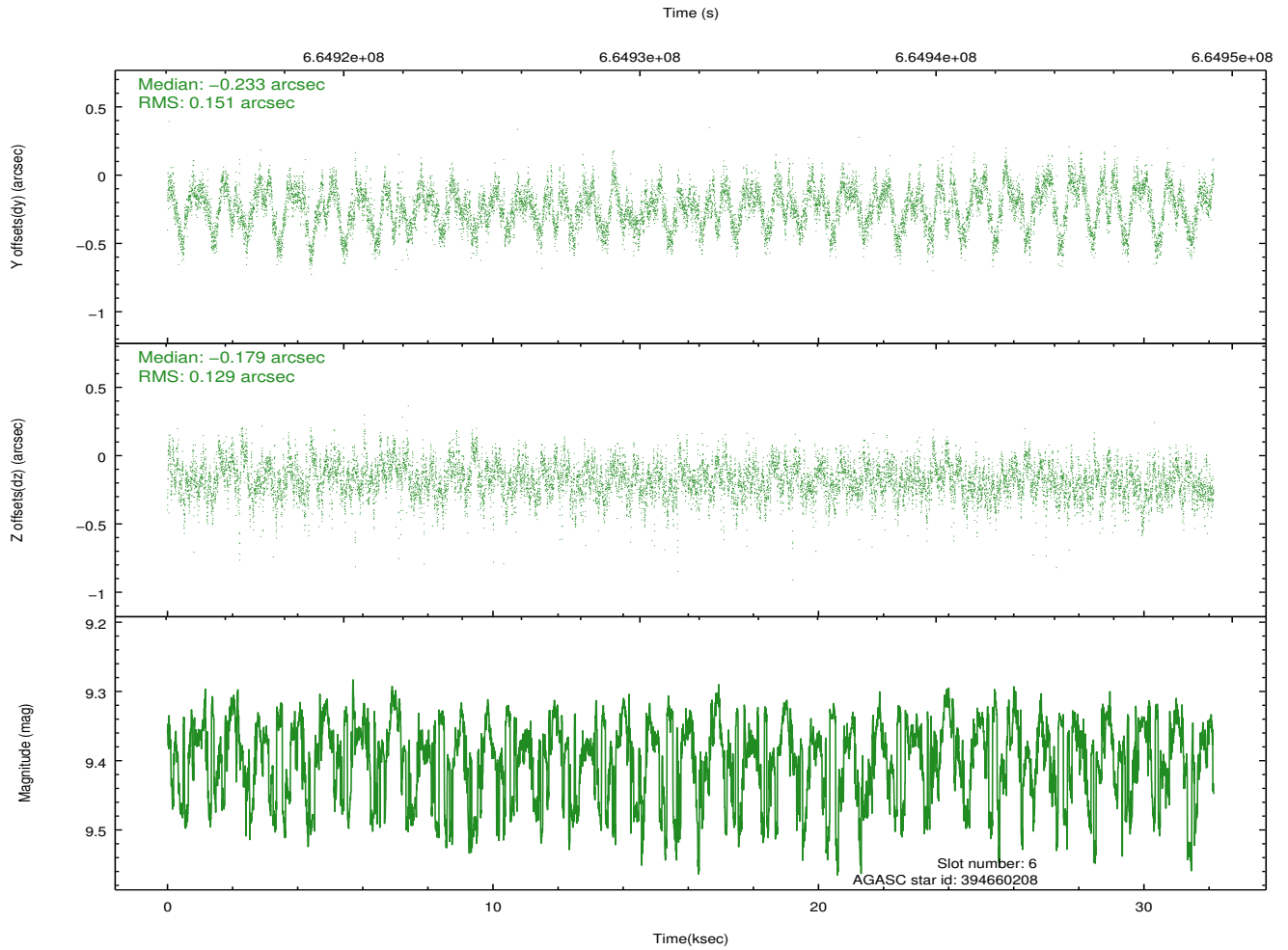
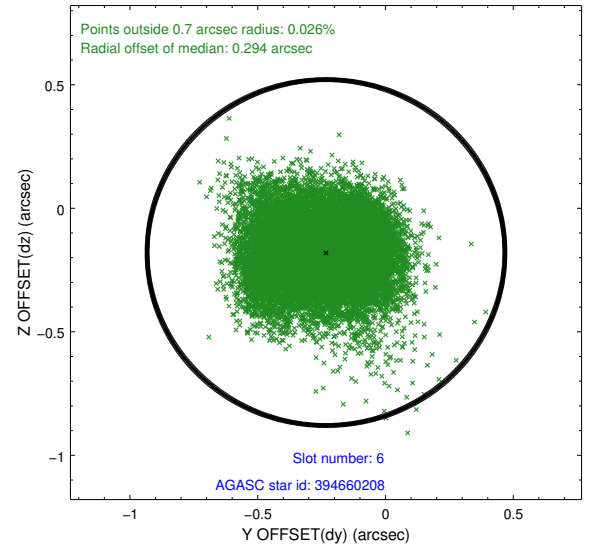
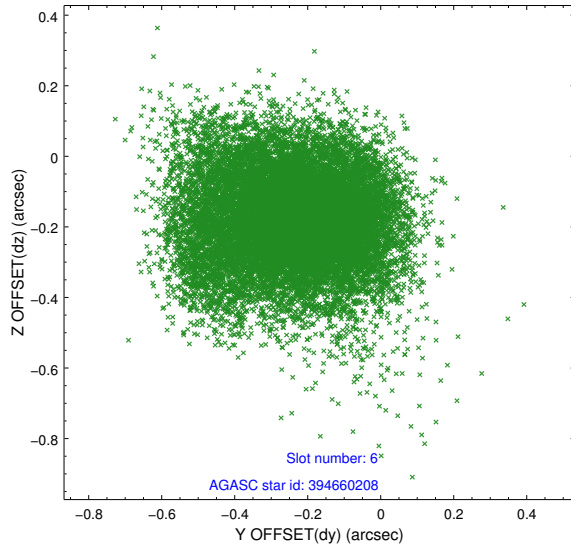
2.4.2 Slot 4



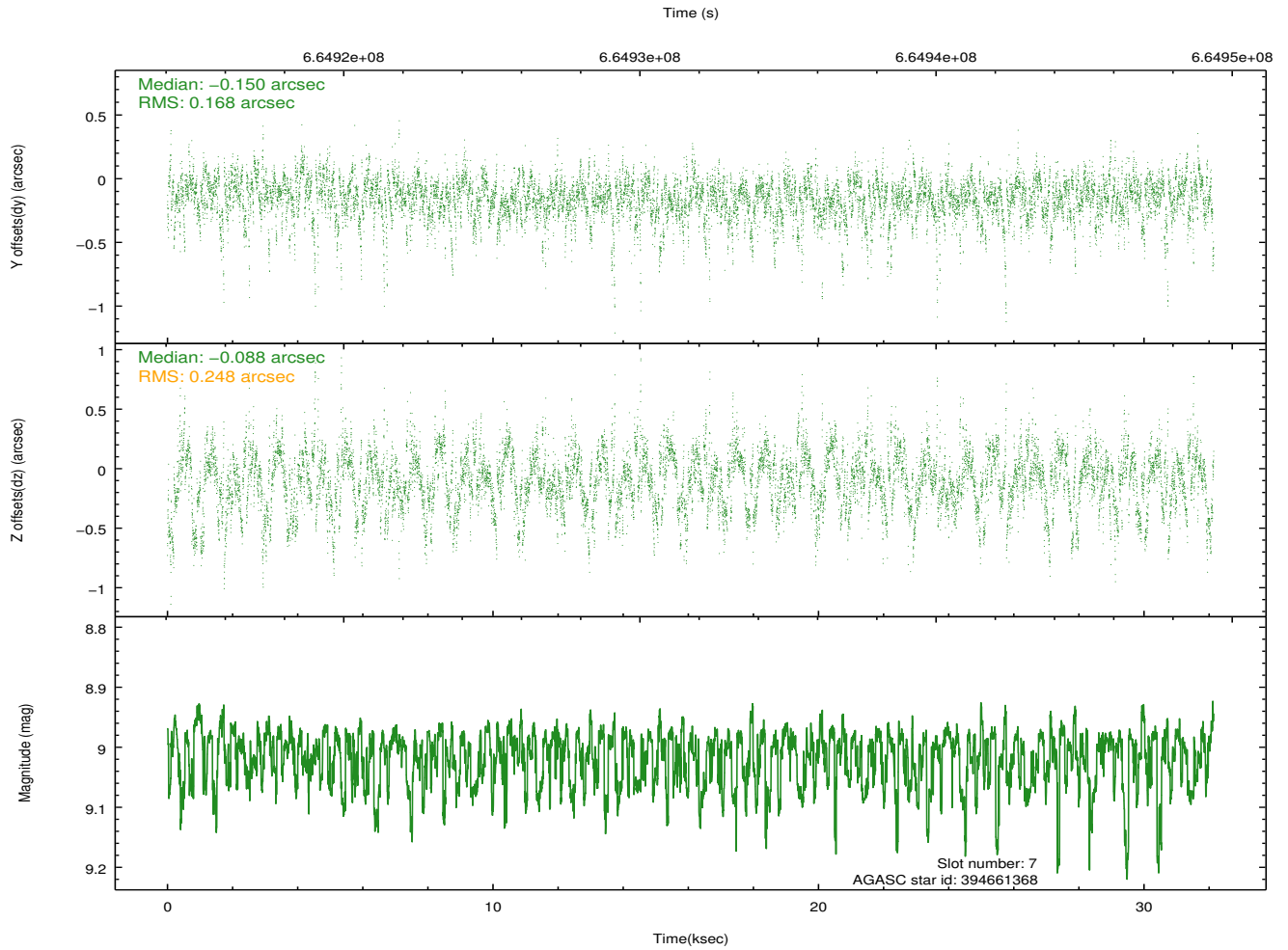
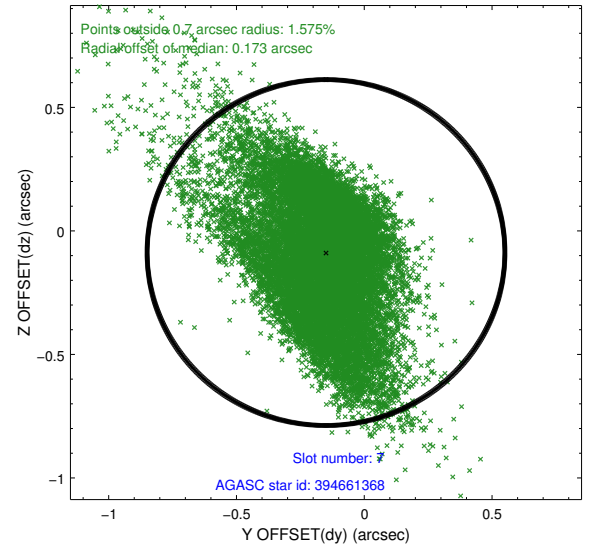
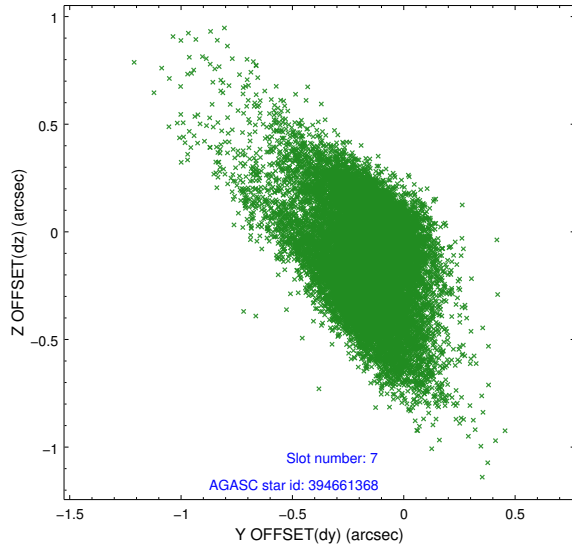
2.4.3 Slot 5



2.4.4 Slot 6

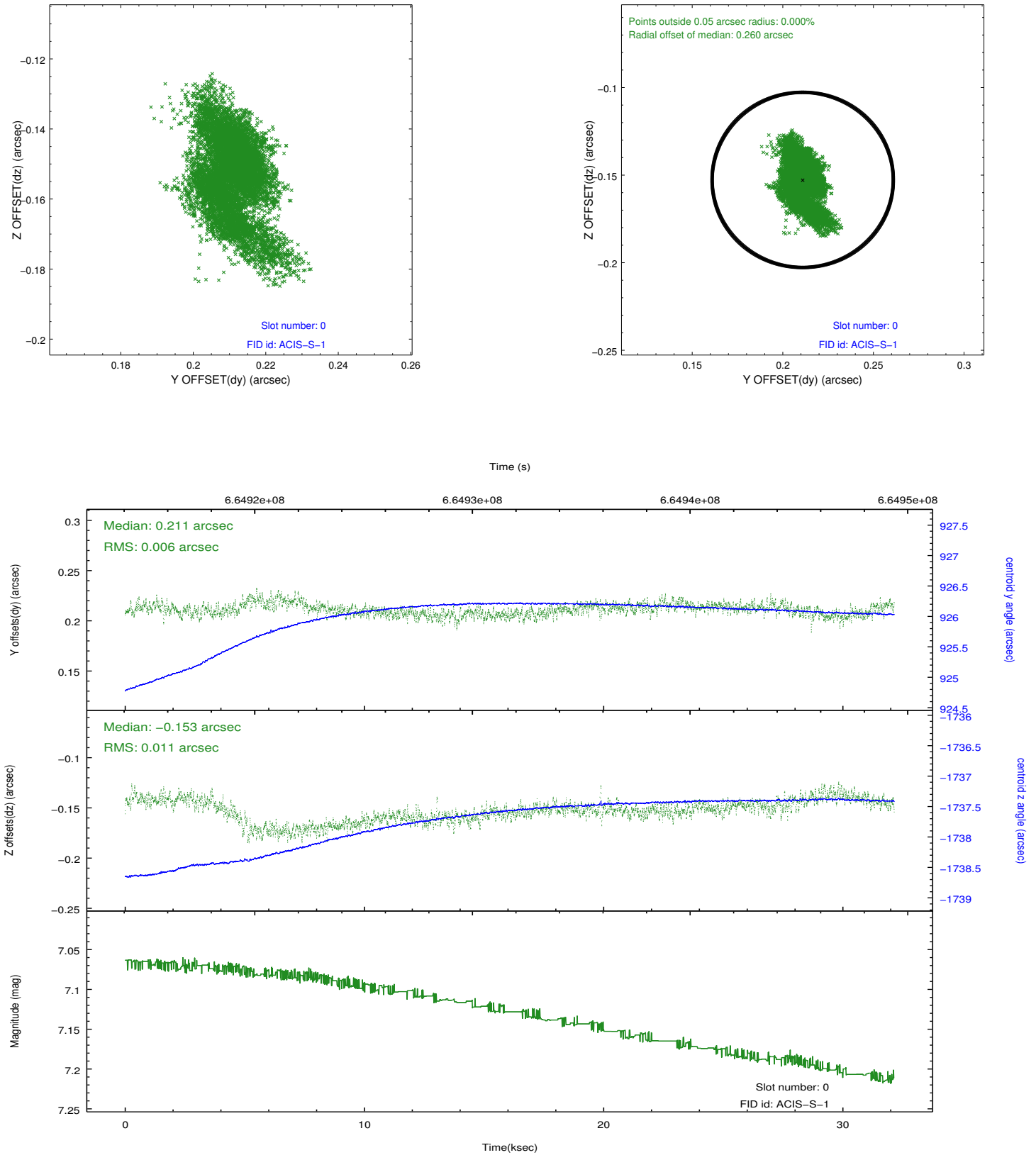


2.4.5 Slot 7

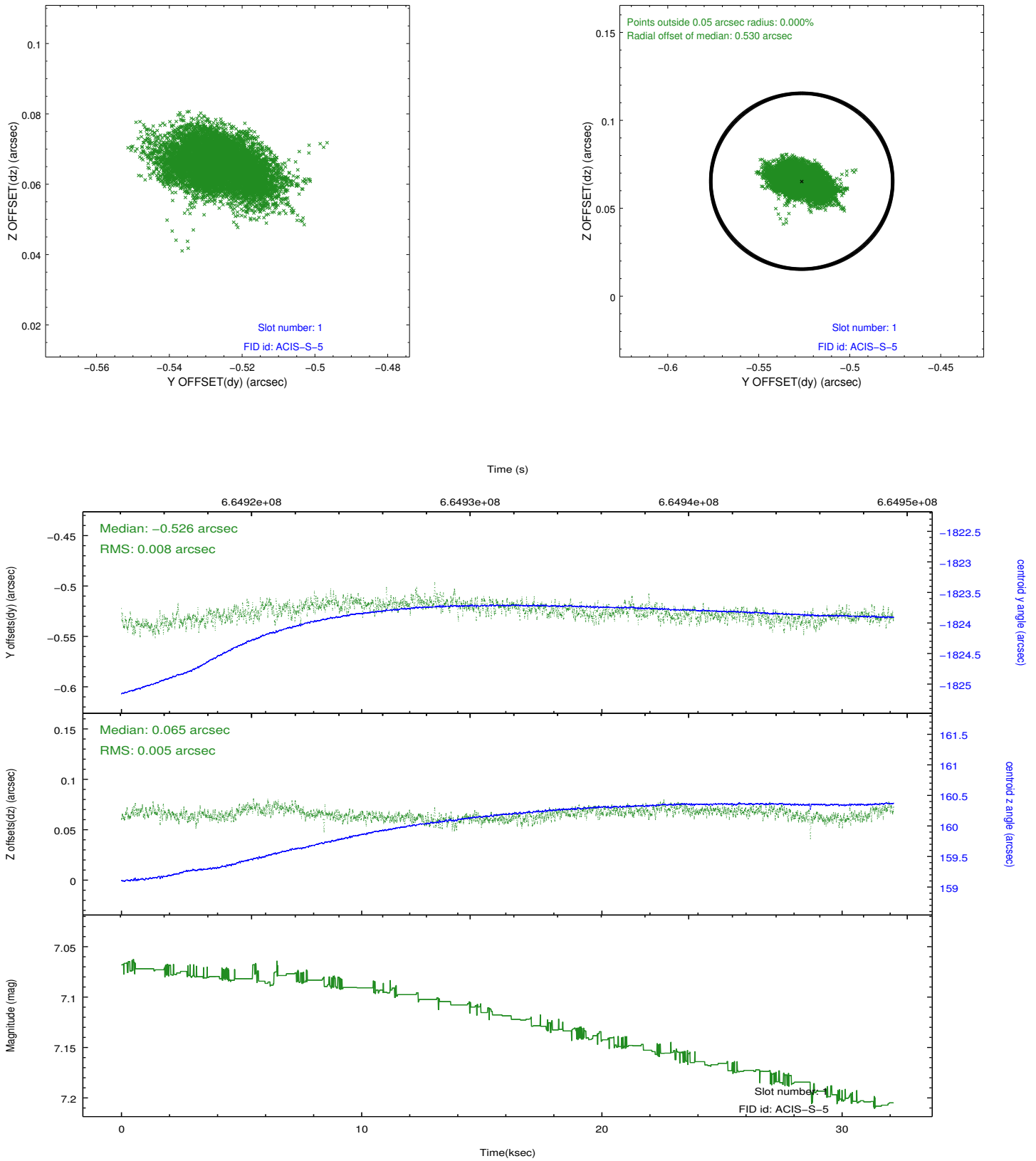


2.5 FID Slots

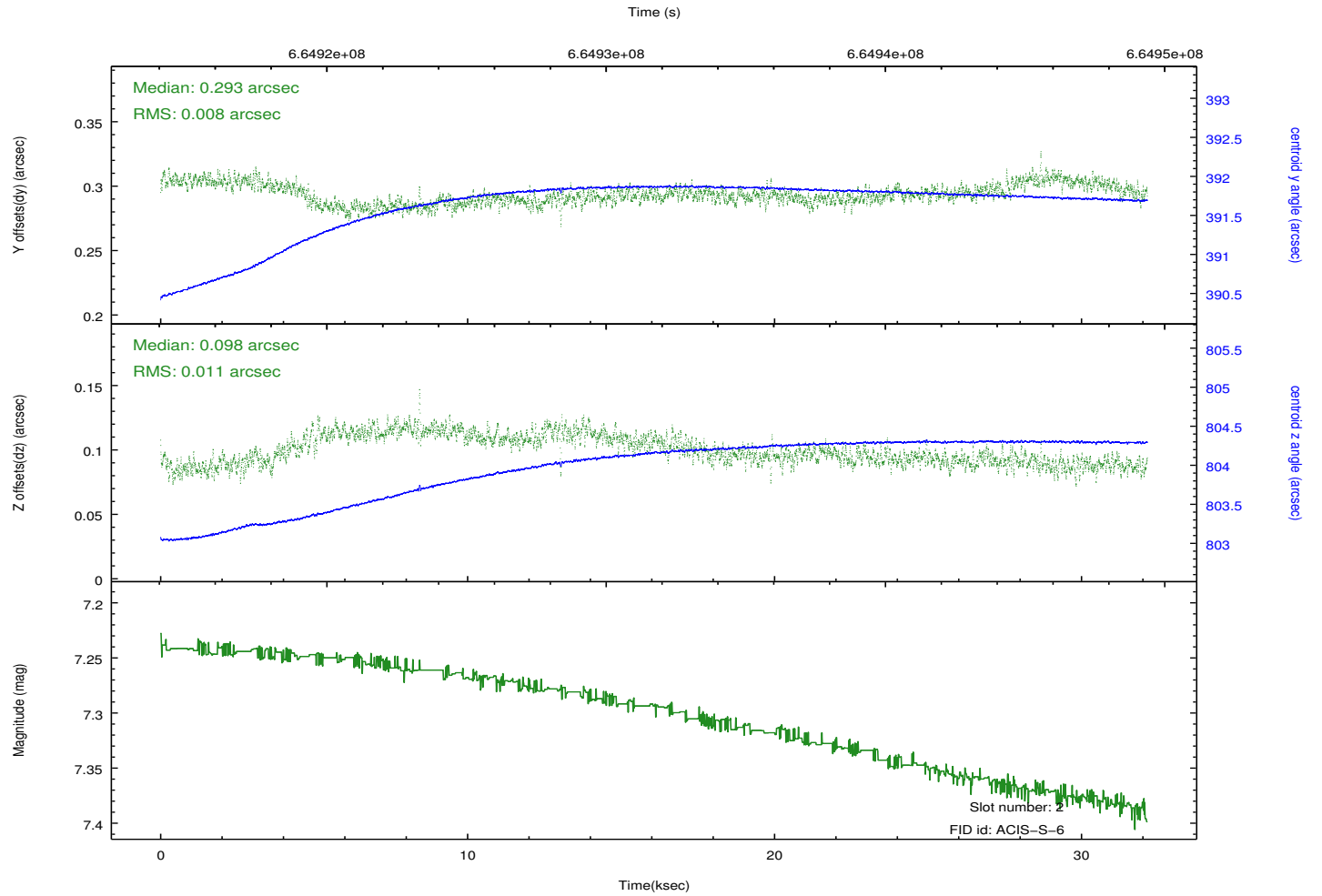
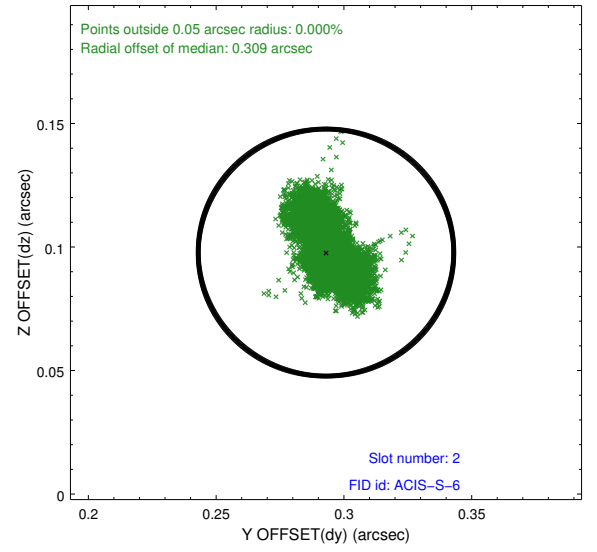
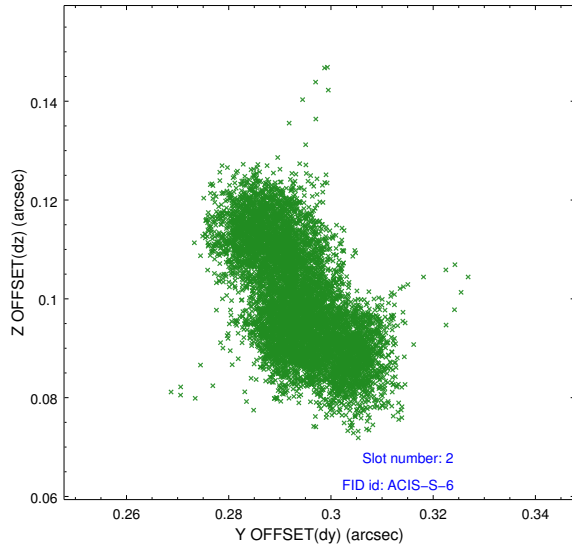
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2019.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.068980750561

A.2 Comments

Optional chips I1 and I0 not included.