

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21378 - L2 Version 1
Chandra X-Ray Center

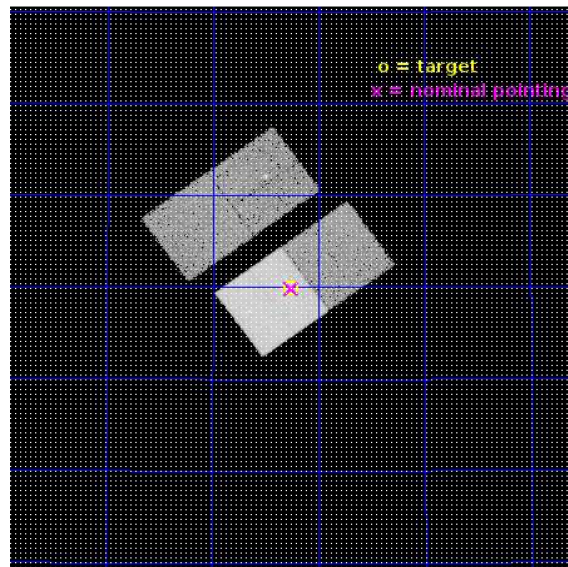
L2 Processing Date : Feb 12 2019

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1 Front

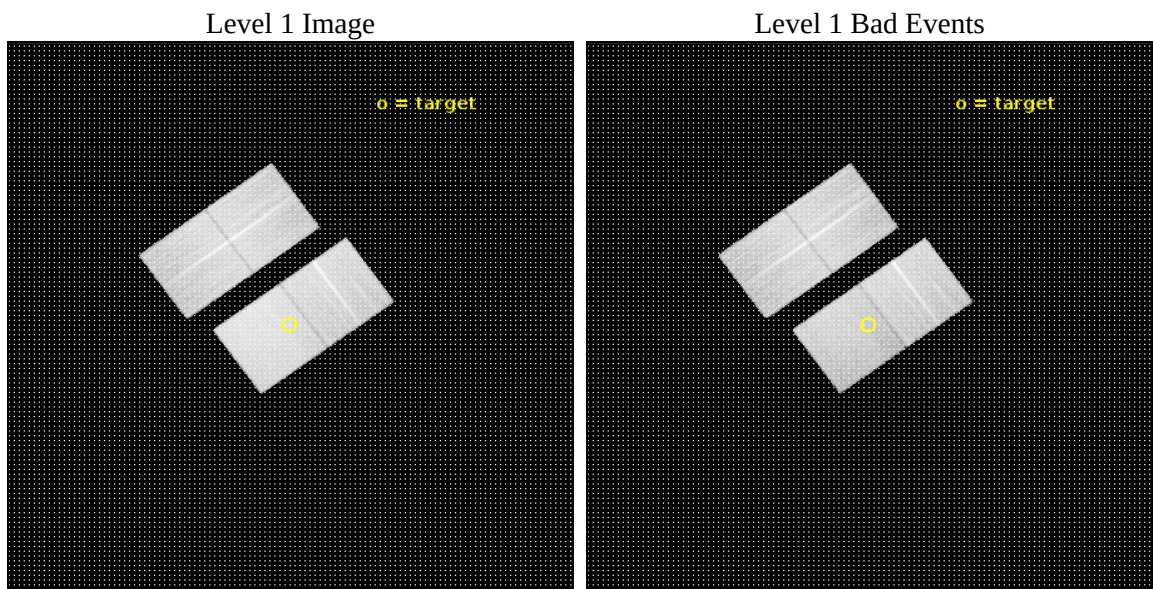
seq_num	601430	Sequence number
obs_id	21378	Observation id
title	The Inner Mass Profile of the Compact Elliptical Galaxy PGC 032873	
observer	David Buote	Principal investigator
object	PGC 032873	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.066667	Observer's specified target RA [deg]
dec_targ	42.333056	Observer's specified target Dec [deg]
ra_nom	164.06425562845	Nominal RA [deg]
dec_nom	42.330936960347	Nominal Dec [deg]
roll_nom	144.15825793518	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25066.600192904	Sum of GTIs [s]
livetime	24739.086607622	Livetime [s]
ontime2	25063.459192634	Sum of GTIs [s]
ontime3	25066.600192904	Sum of GTIs [s]
ontime6	25066.600192904	Sum of GTIs [s]
ontime7	25066.600192904	Sum of GTIs [s]
l2events	154797	Number of level 2 events



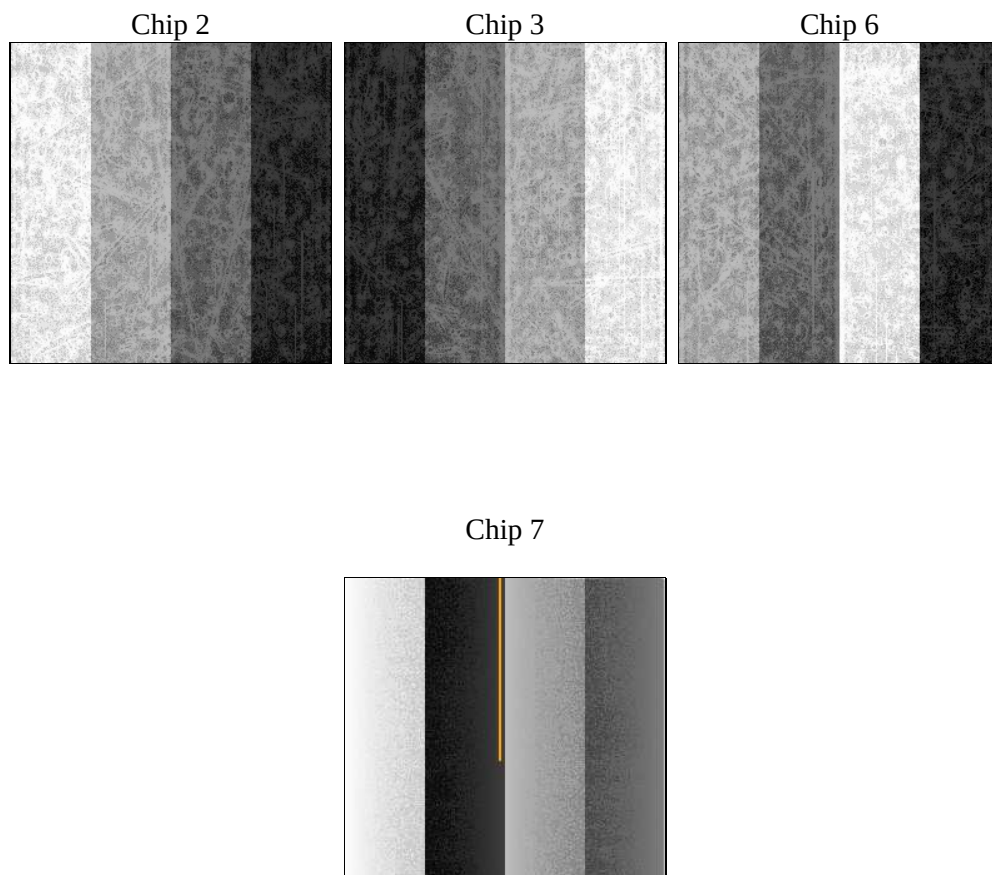
2 OBI

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	10.7.1	Processing system revision	ontime	25066.600192904	Sum of GTIs [s]
caldsver	4.8.2	 	ontime2	25063.459192634	Sum of GTIs [s]
date	2019-02-12T07:02:32	Date and time of file creation	ontime3	25066.600192904	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	25066.600192904	Sum of GTIs [s]
			ontime7	25066.600192904	Sum of GTIs [s]
			l1events	830463	Number of level 1 events

2.1.4 Events

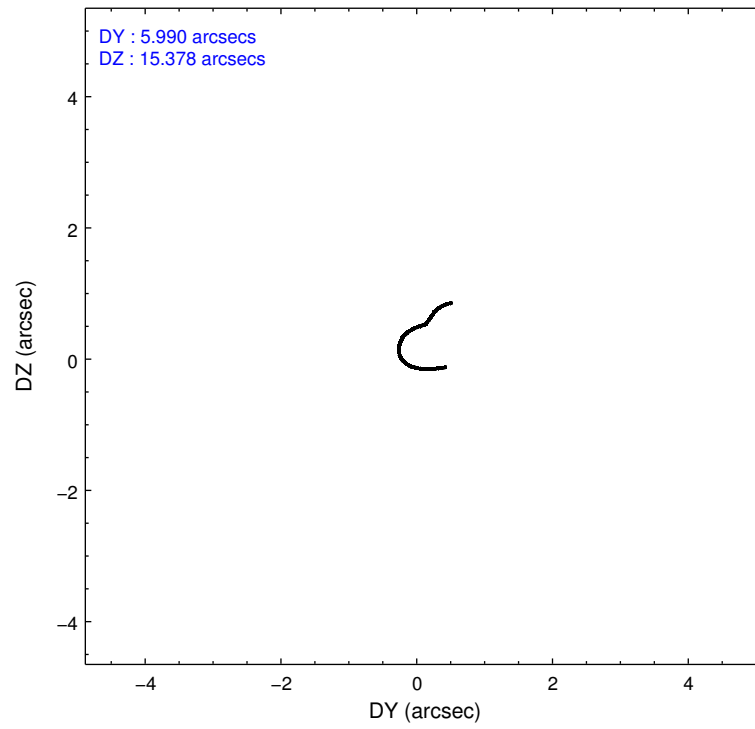
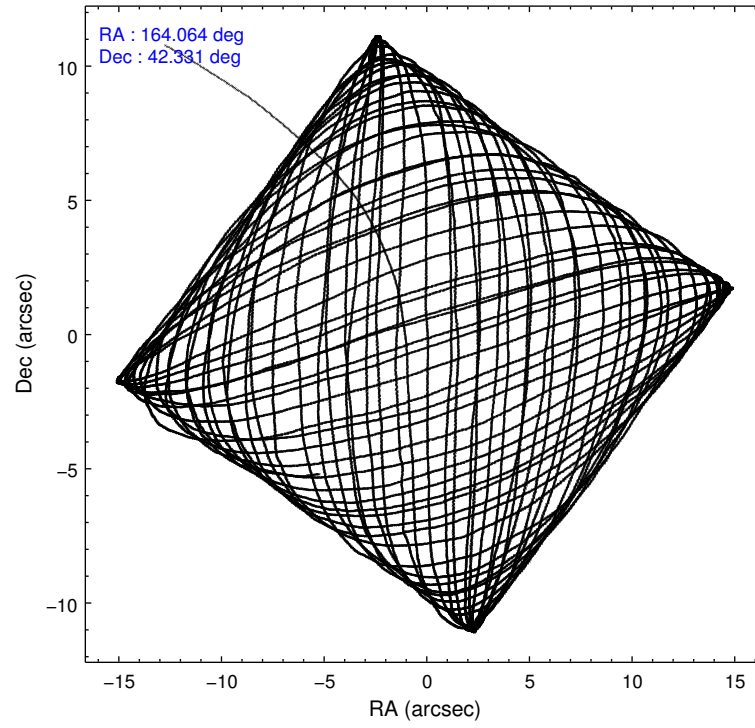
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	199958	187942	199449	243114
rejected events	180192	168869	178101	138144
rejected %	90%	89%	89%	56%

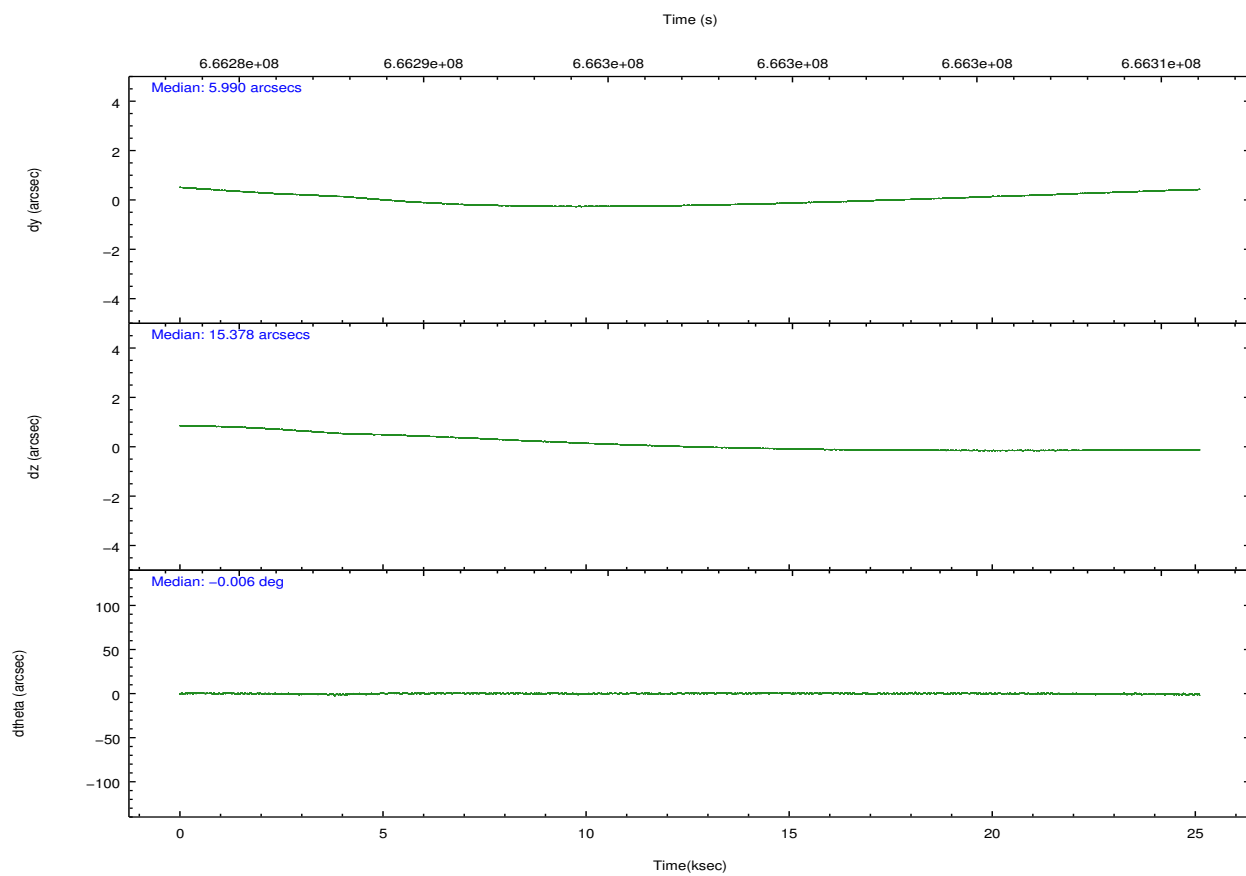
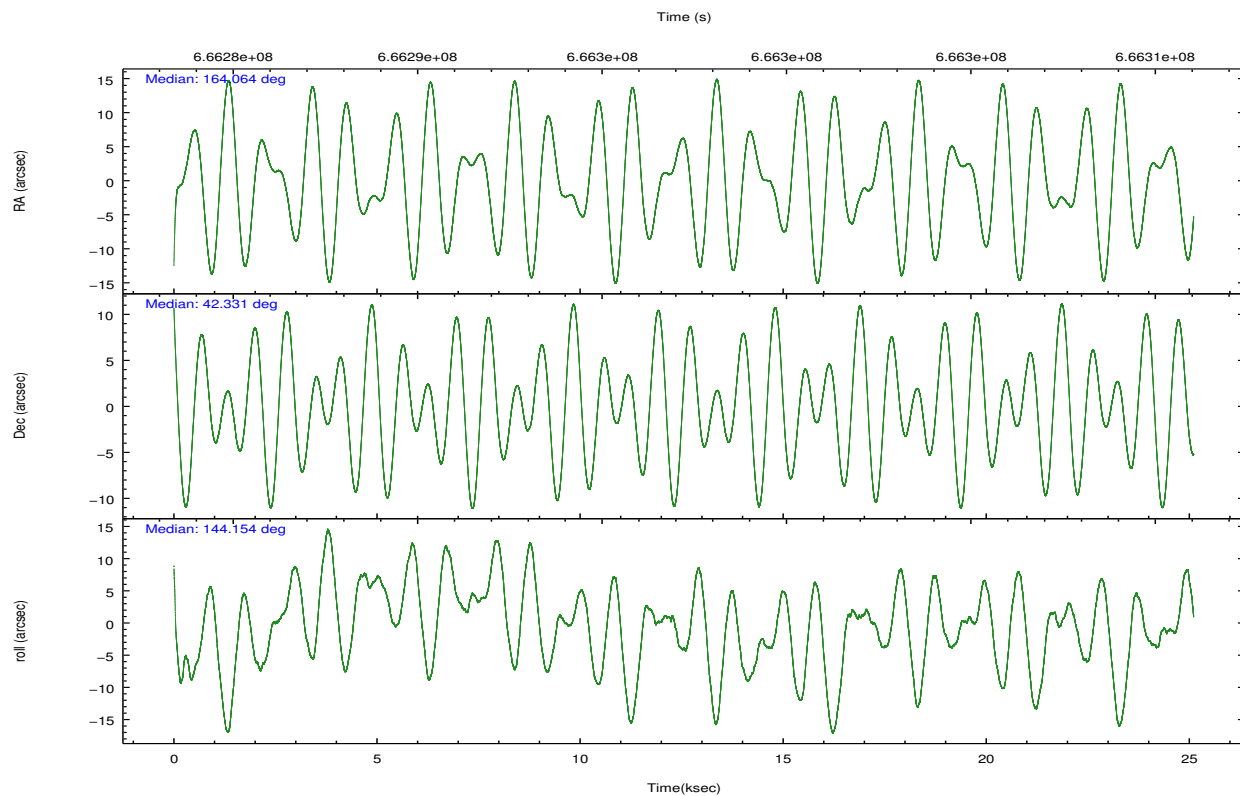
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	7052	6607	6285	8874
	3%	3%	3%	3%
grade 1 events	121	100	88	363
	0%	0%	0%	0%
grade 2 events	4730	4276	5677	21884
	2%	2%	2%	9%
grade 3 events	1910	2012	1903	8401
	0%	1%	0%	3%
grade 4 events	2007	1990	1905	8239
	1%	1%	0%	3%
grade 5 events	7147	8457	8289	23518
	3%	4%	4%	9%
grade 6 events	4068	4189	5579	57589
	2%	2%	2%	23%
grade 7 events	172923	160311	169723	114246
	86%	85%	85%	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	164.101252	164.0642556284523	CCD I2 on	Y	Y
[deg] Pointing Dec	42.328507	42.33093696034739	CCD I3 on	Y	Y
[deg] Pointing Roll	143.976709	144.1582579351796	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)	666284769.184000	666283528.48939	CCD S5 on	N	N
Observation start date	2019-02-11T15:05:00	2019-02-11T14:45:28	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	666309769.184000	666310482.4035	On-chip summing requested	N	N
Observation end date	2019-02-11T22:01:40	2019-02-11T22:14:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



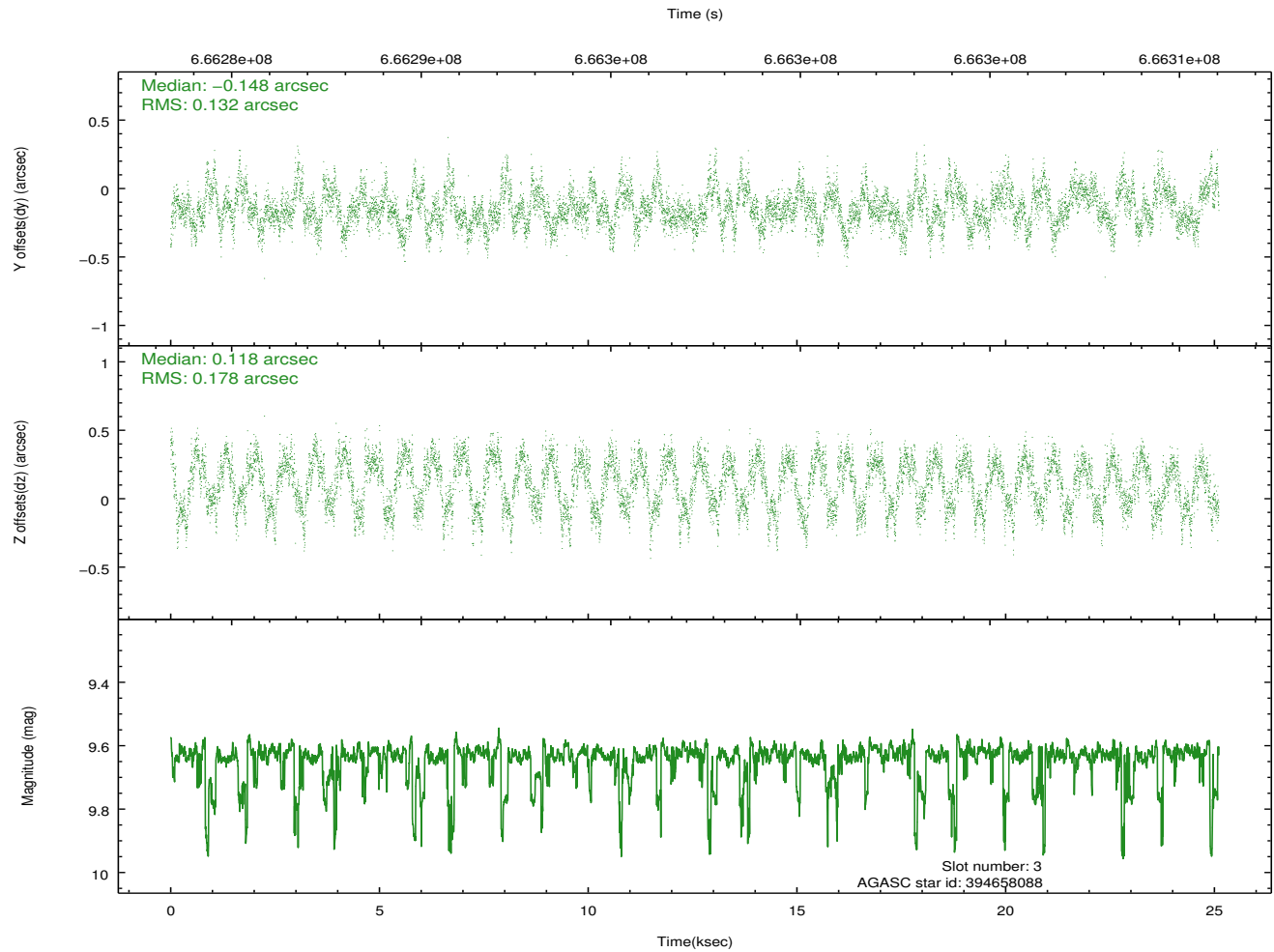
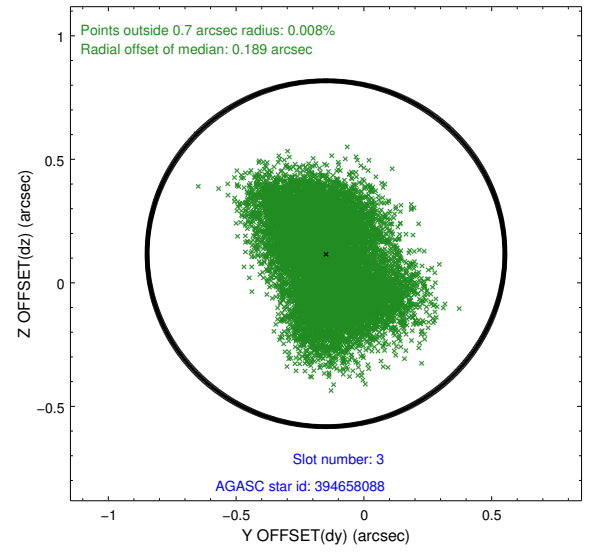
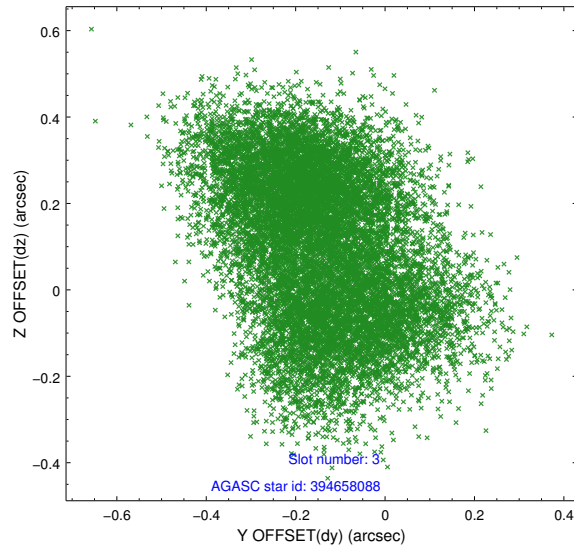


Slot Statistics

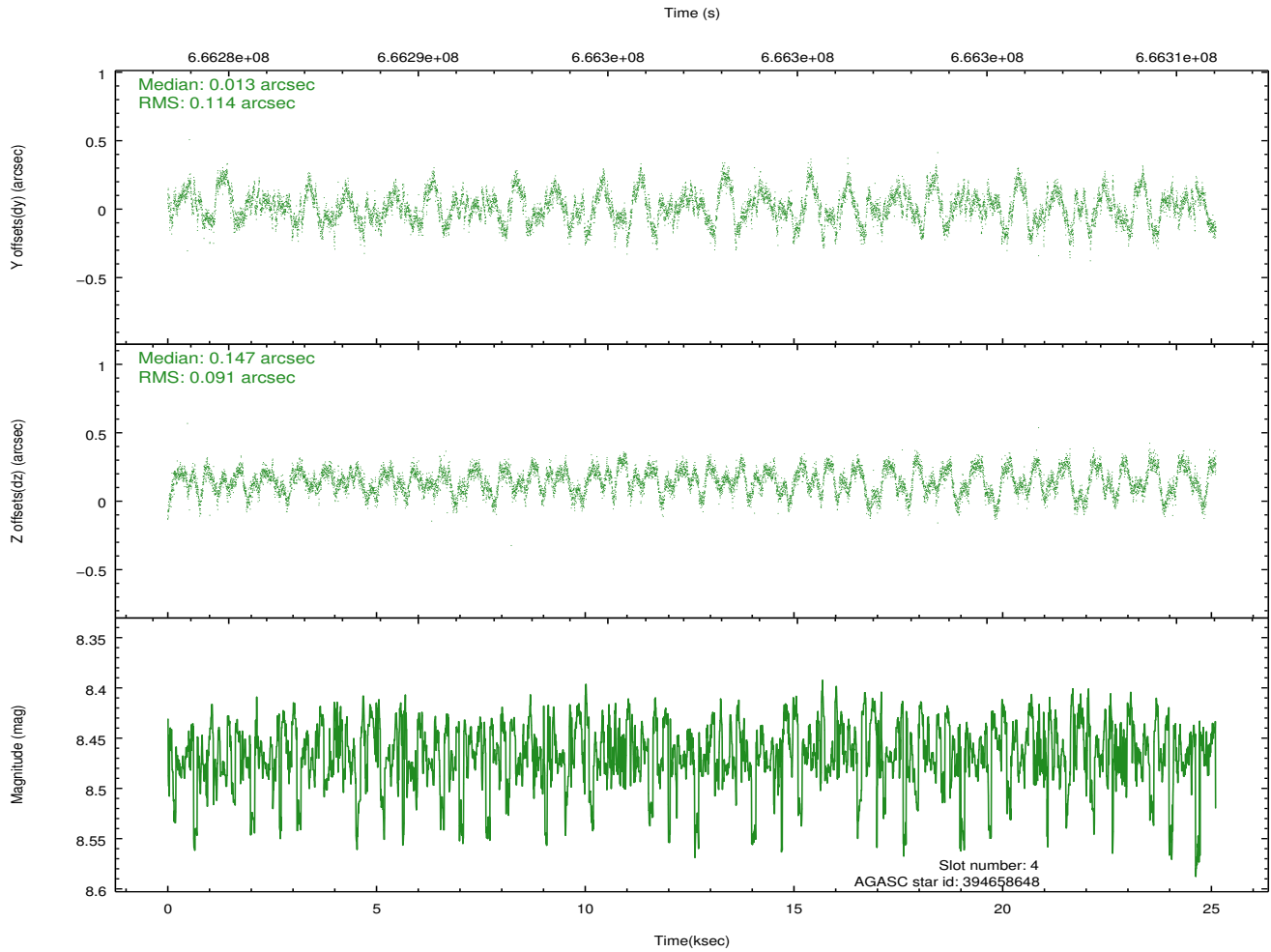
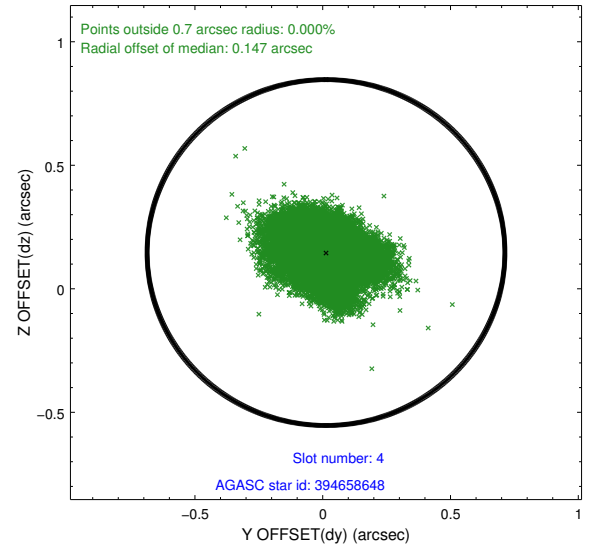
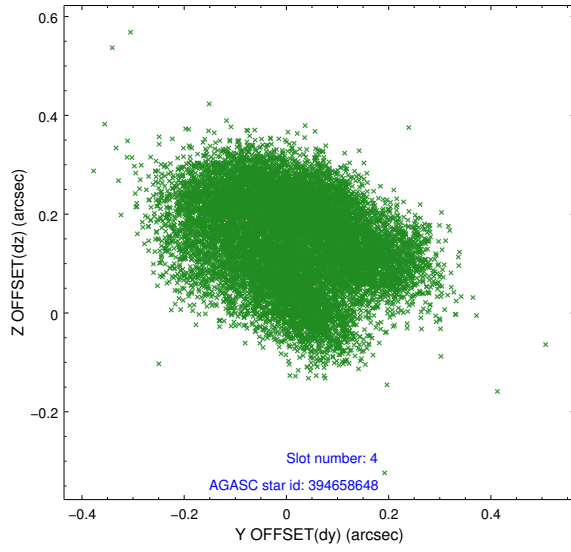
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.04	6124	1.000	-0.302	-0.107	0.009	0.014	0.000000	0.000000	-758.99	-1737
1	FID		ACIS-S-4	7.17	6124	1.000	0.585	0.174	0.010	0.024	0.000000	0.000000	2155.06	171
2	FID		ACIS-S-5	7.14	6124	1.000	-0.314	-0.058	0.010	0.018	0.000000	0.000000	-1811.75	165
3	GUIDE	used	394658088	9.63	12228	1.000	-0.148	0.118	0.240	0.367	163.727854	42.594046	1364.14	-192
4	GUIDE	used	394658648	8.47	12245	1.000	0.013	0.147	0.159	0.237	163.710510	42.859211	1959.40	-940
5	GUIDE	used	394660048	9.26	12241	1.000	0.207	0.108	0.184	0.334	164.917815	42.156666	-2118.23	-787
6	GUIDE	used	394660208	9.37	12232	1.000	-0.211	-0.301	0.186	0.310	163.616392	42.544985	1501.20	123
7	GUIDE	used	394660400	9.43	12229	1.000	0.129	-0.071	0.201	0.341	164.358391	42.223136	-775.97	-96

2.4 Star Slots

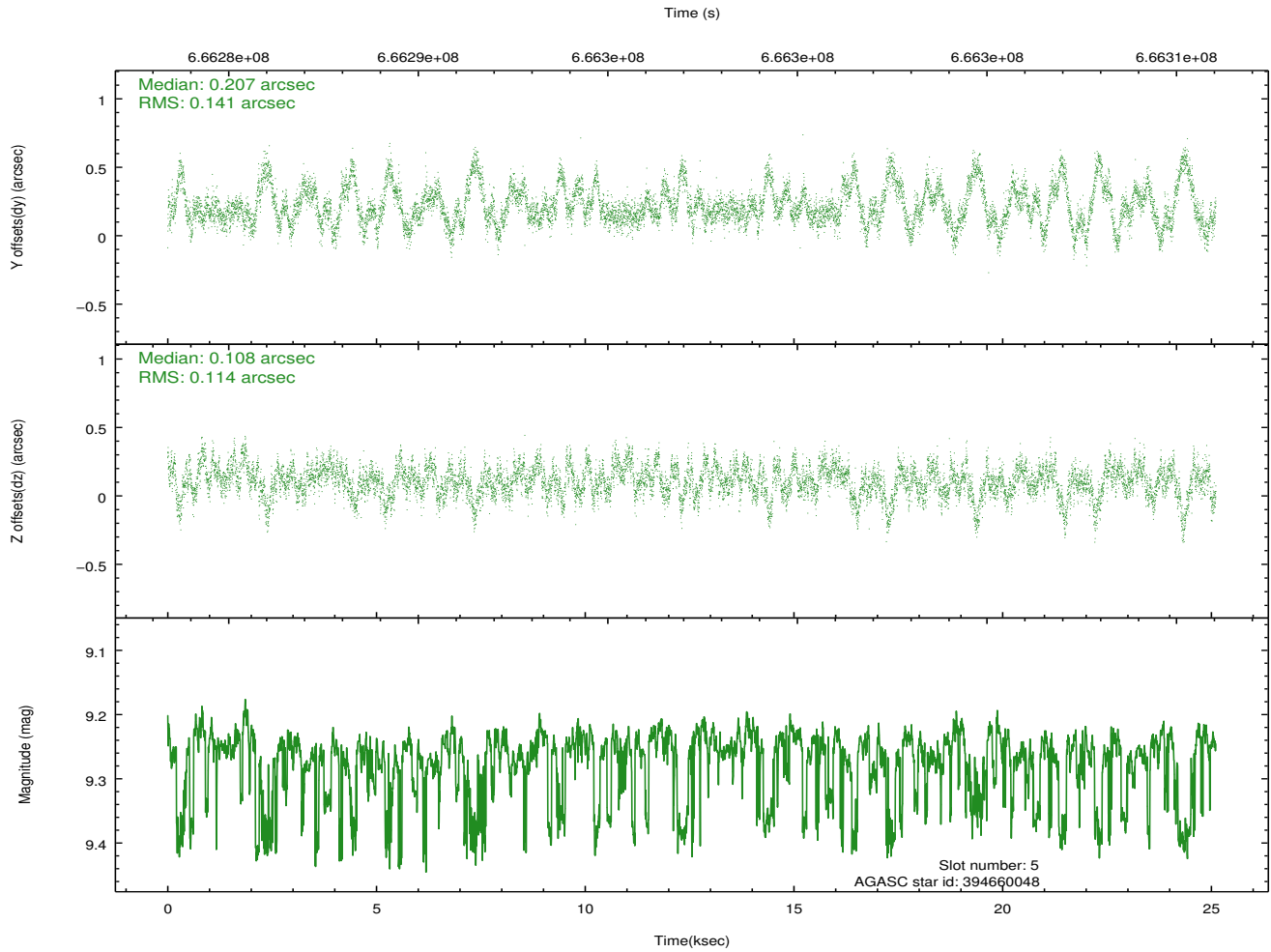
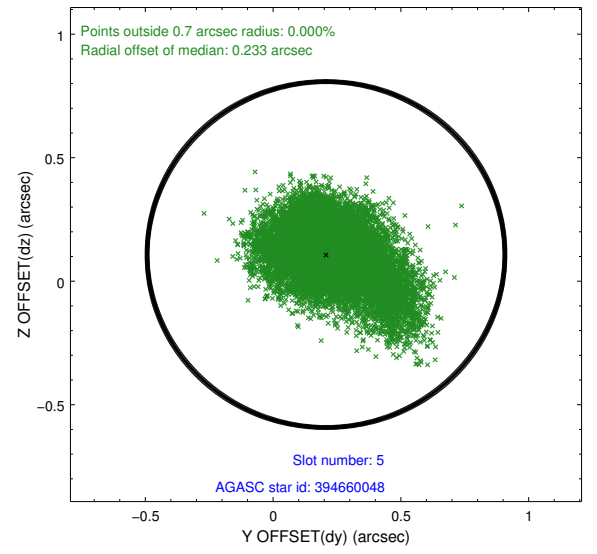
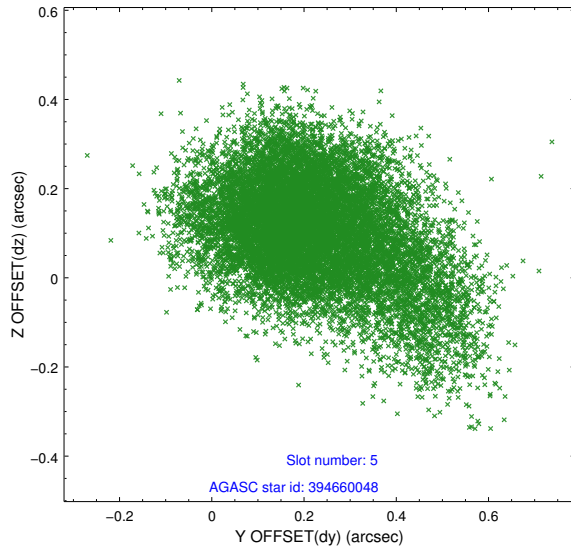
2.4.1 Slot 3



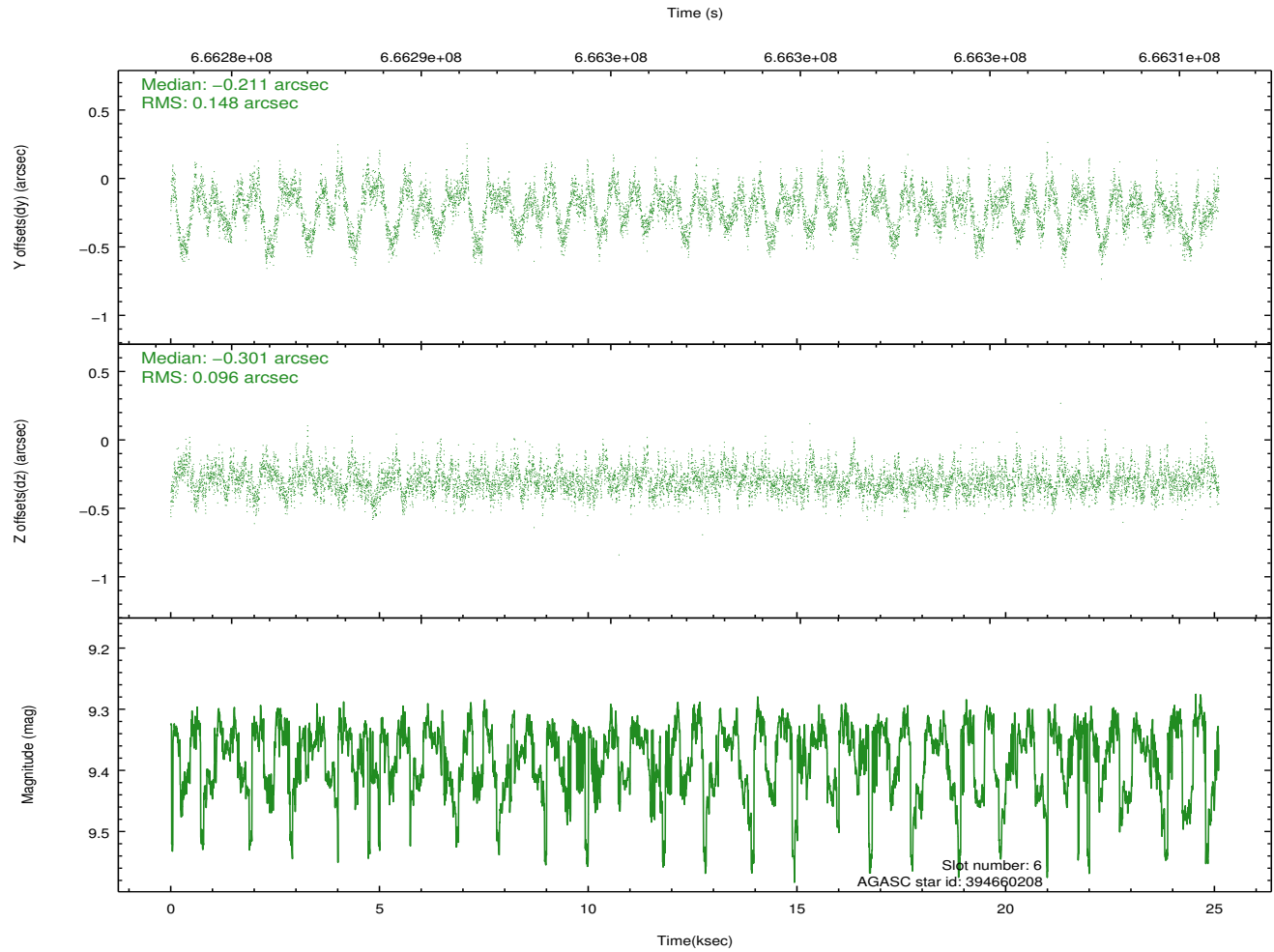
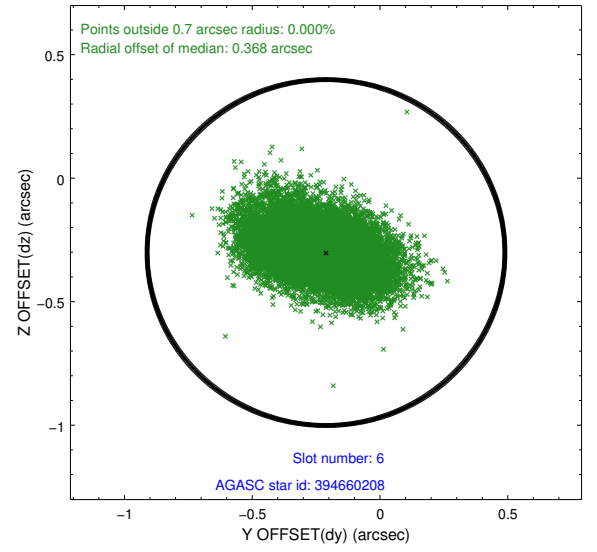
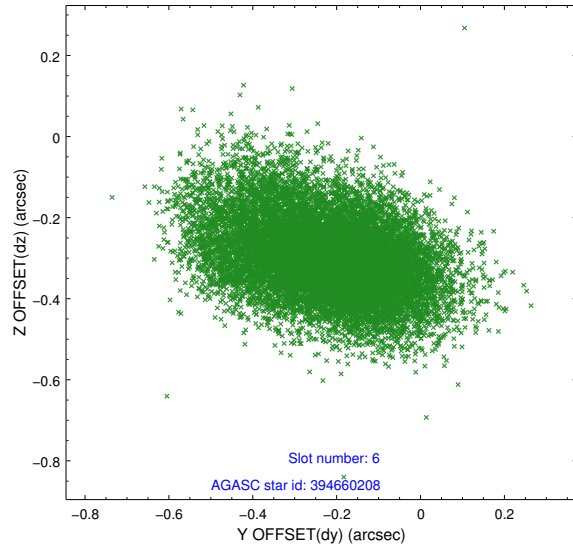
2.4.2 Slot 4



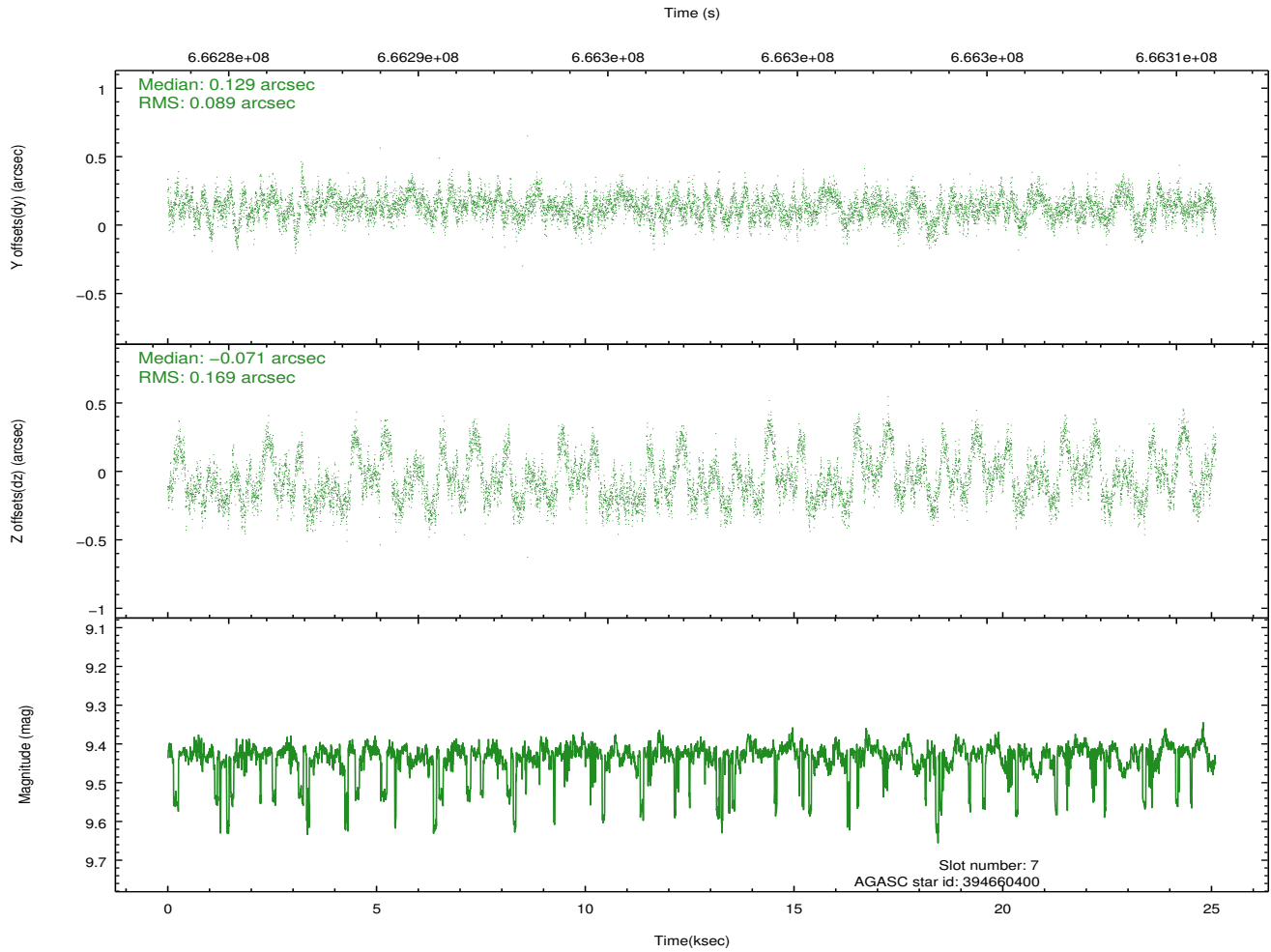
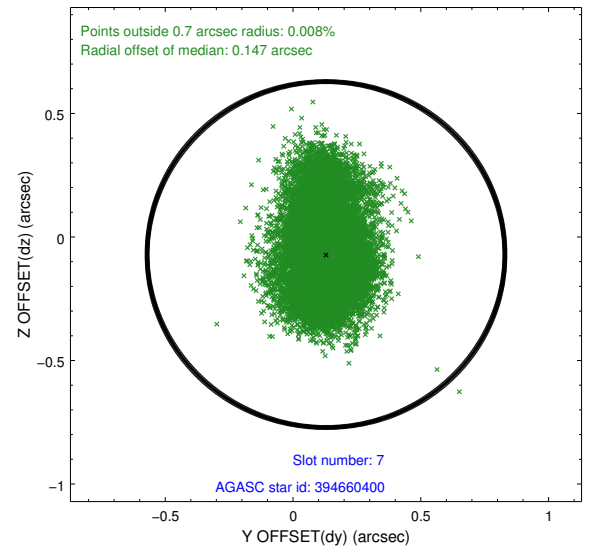
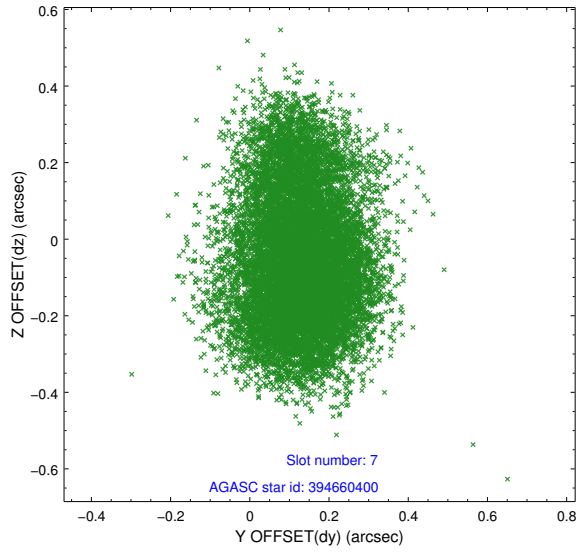
2.4.3 Slot 5



2.4.4 Slot 6

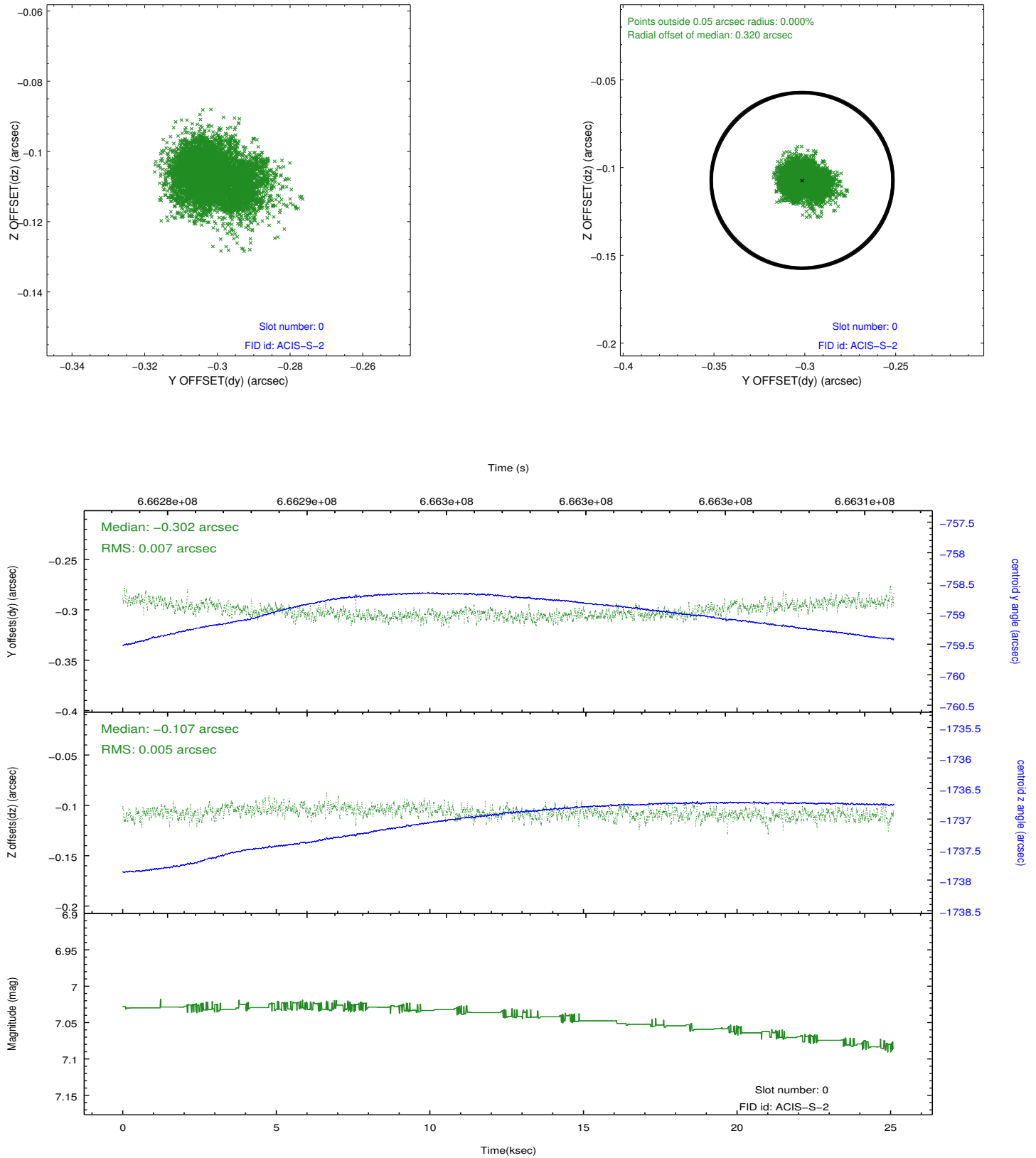


2.4.5 Slot 7

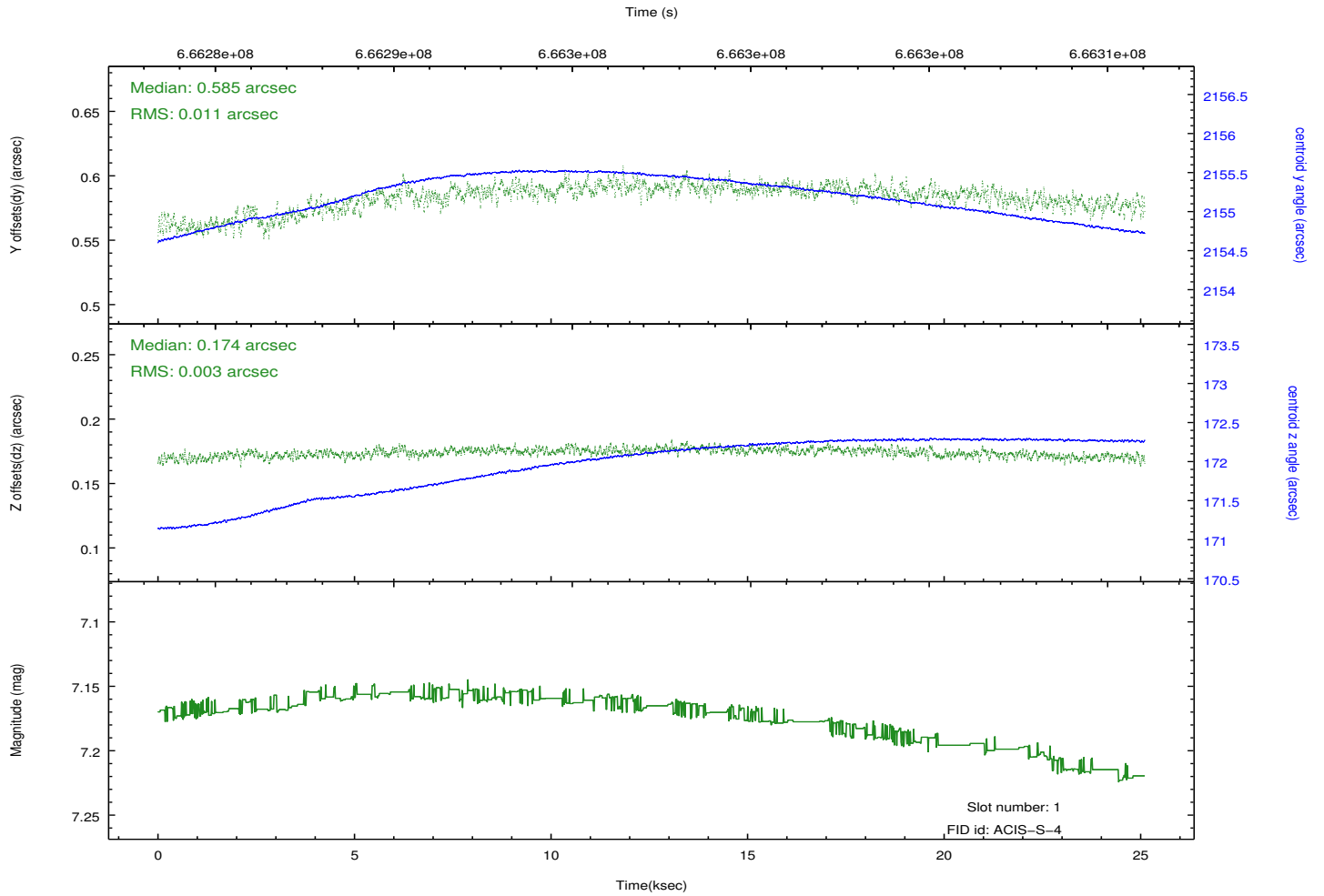
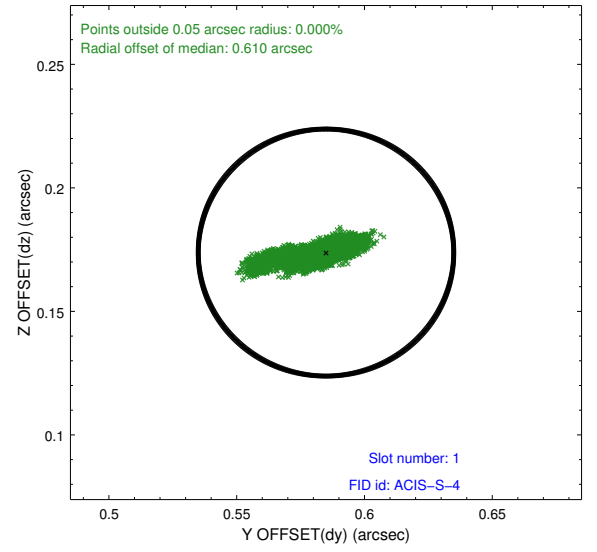
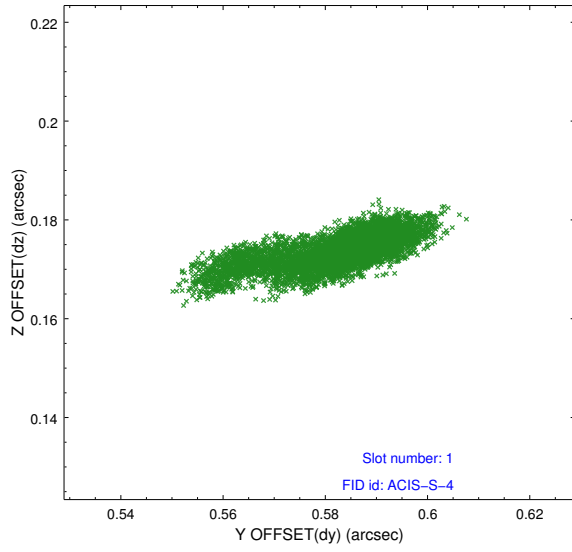


2.5 FID Slots

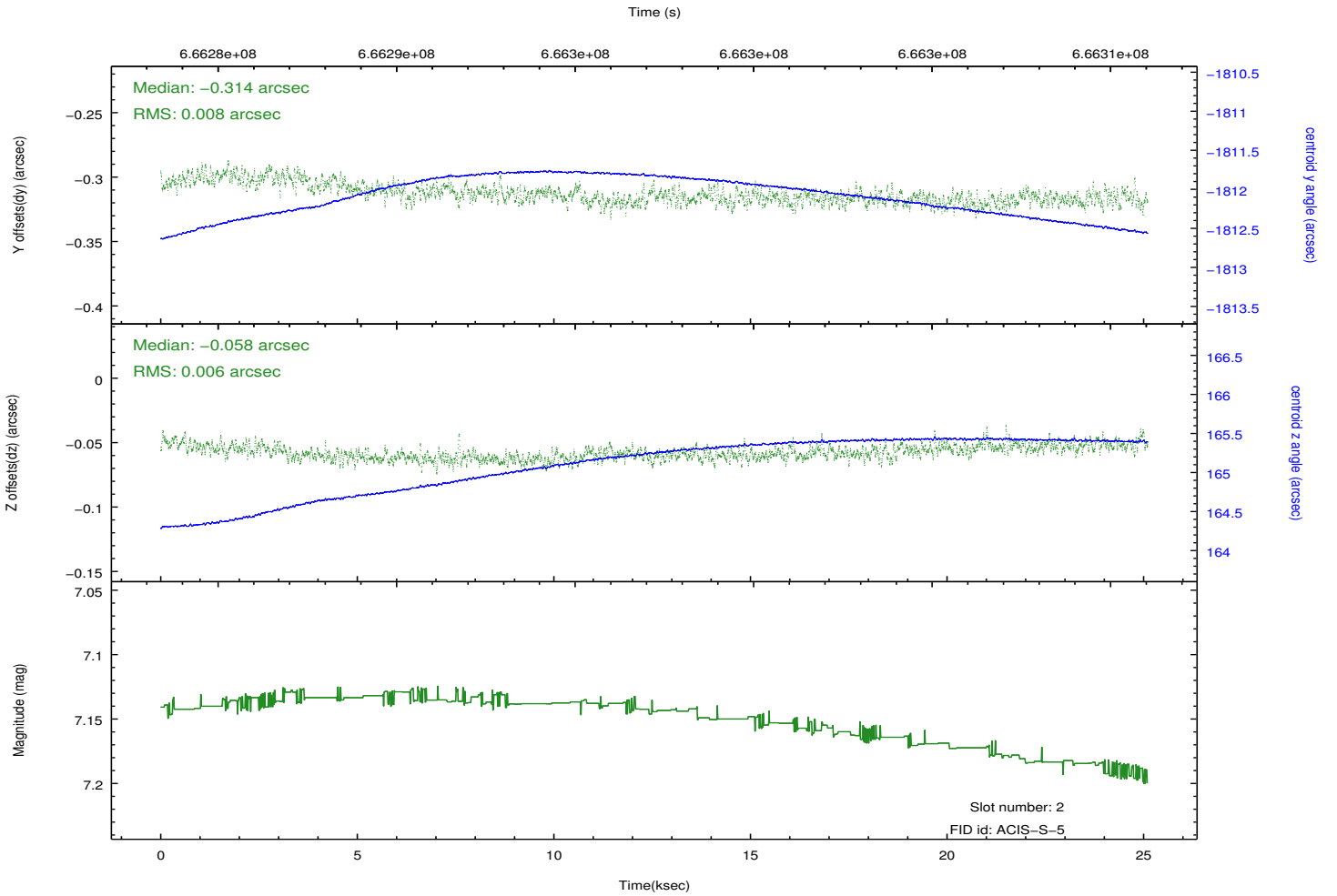
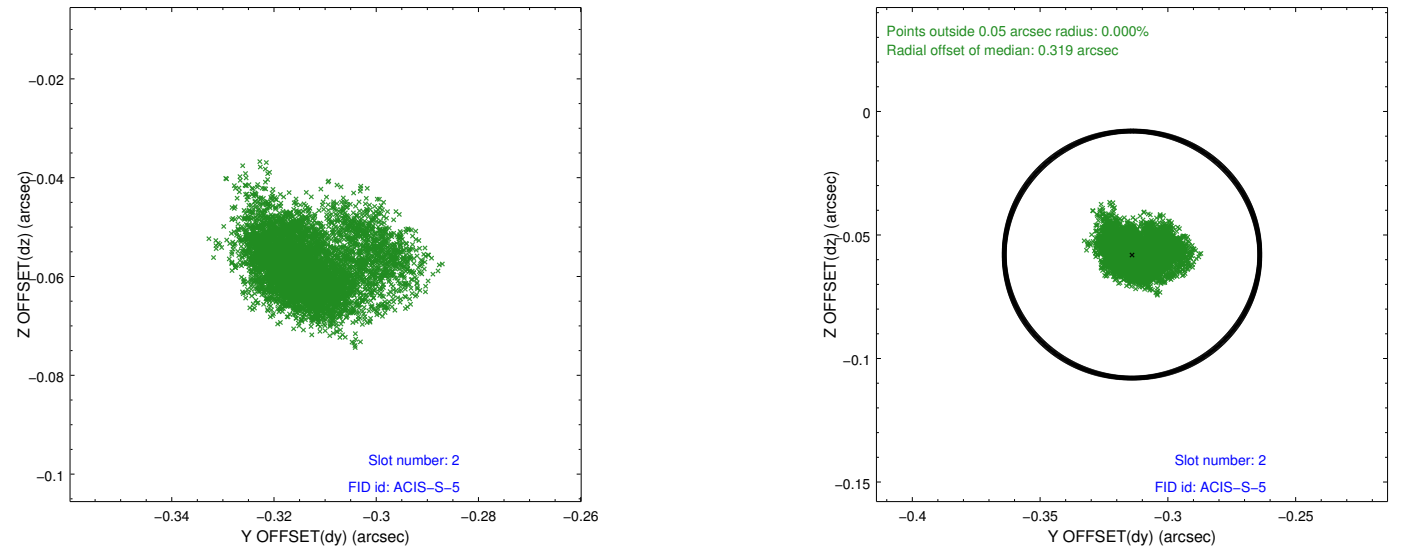
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.066600192904

A.2 Comments