

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18099 - L2 Version 1
Chandra X-Ray Center

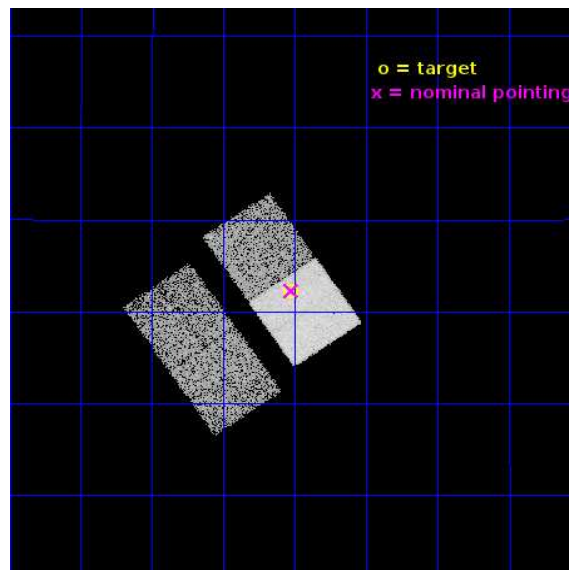
L2 Processing Date : Jan 16 2016

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1 Front

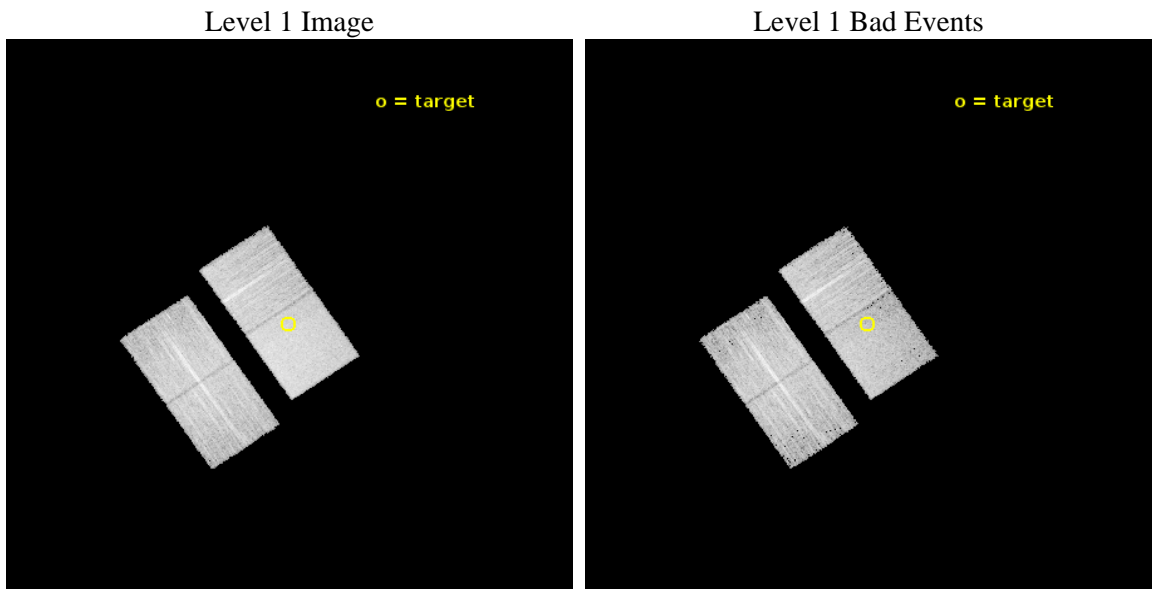
seq_num	703165	Sequence number
obs_id	18099	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 222.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	144.133333	Observer's specified target RA [deg]
dec_targ	4.369667	Observer's specified target Dec [deg]
ra_nom	144.13140448858	Nominal RA [deg]
dec_nom	4.3711323831269	Nominal Dec [deg]
roll_nom	55.671333787841	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12071.167414188	Sum of GTIs [s]
livetime	11913.448725258	Livetime [s]
ontime2	12067.903264046	Sum of GTIs [s]
ontime3	12071.085334182	Sum of GTIs [s]
ontime6	12071.126374245	Sum of GTIs [s]
ontime7	12071.167414188	Sum of GTIs [s]
l2events	58779	Number of level 2 events



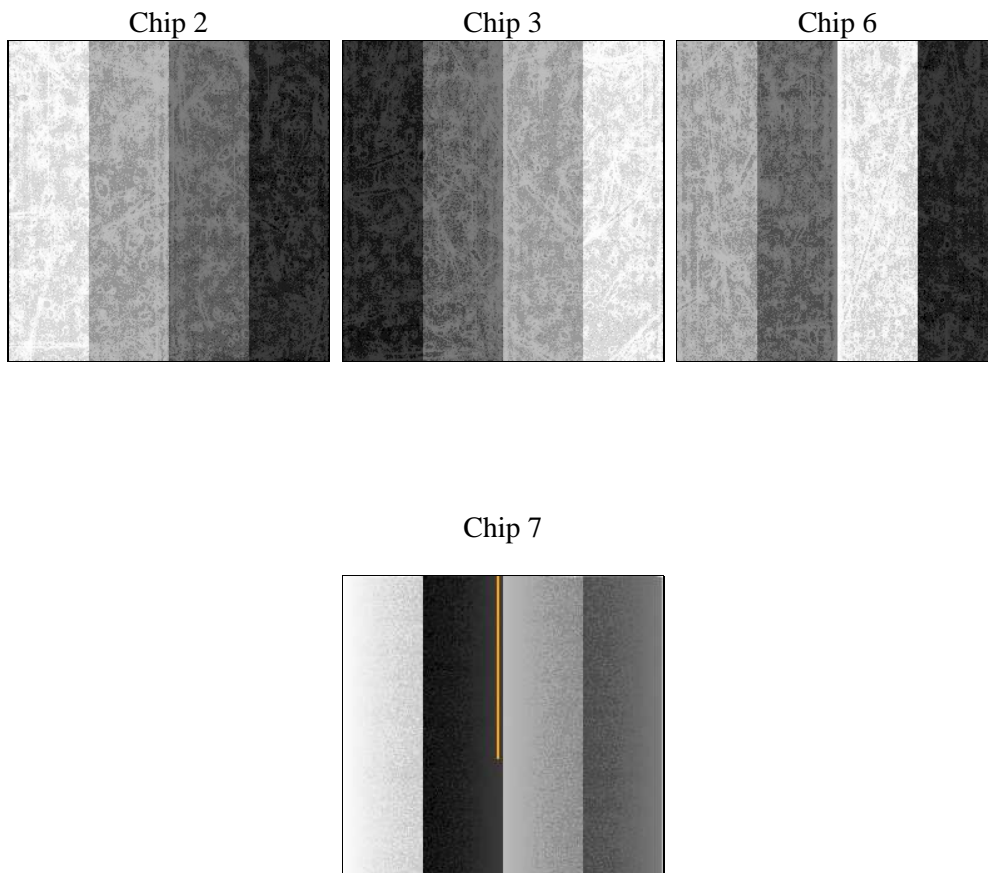
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	12071.167414188	Sum of GTIs [s]
caldbver	4.7.0	 	ontime2	12067.903264046	Sum of GTIs [s]
date	2016-01-16T06:13:43	Date and time of file creation	ontime3	12071.085334182	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12071.126374245	Sum of GTIs [s]
			ontime7	12071.167414188	Sum of GTIs [s]
			l1events	298152	Number of level 1 events

2.1.4 Events

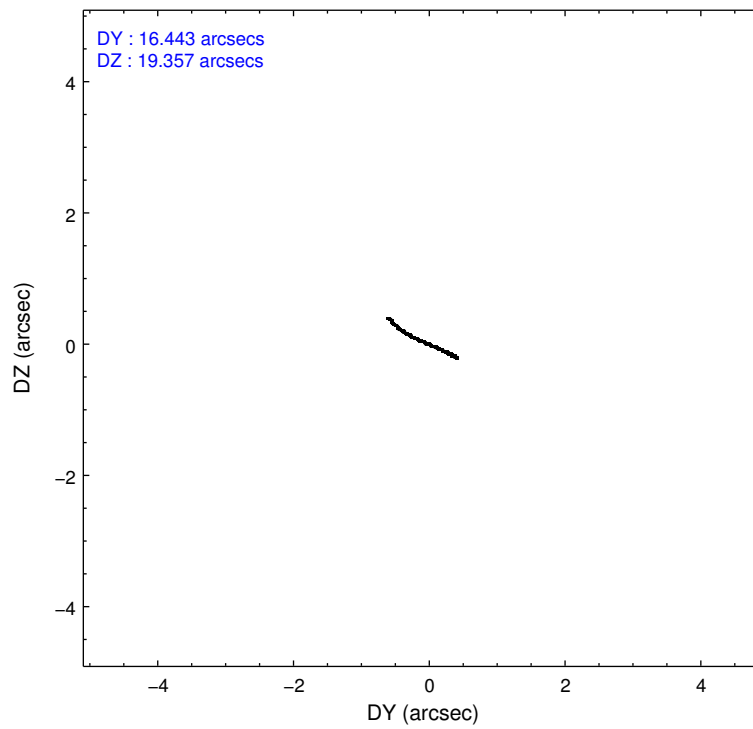
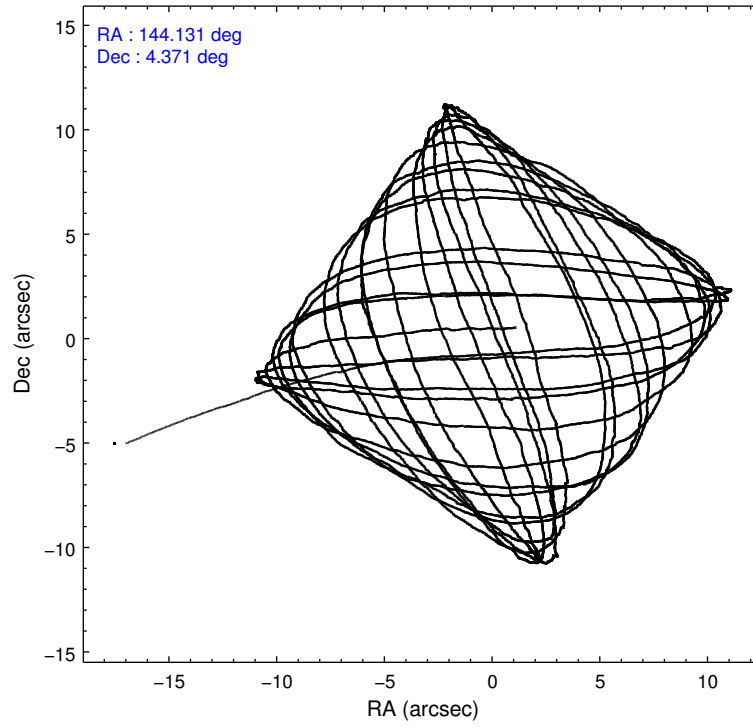
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	70495	65162	70397	92098
rejected events	63052	57803	62244	52216
rejected %	89%	88%	88%	56%

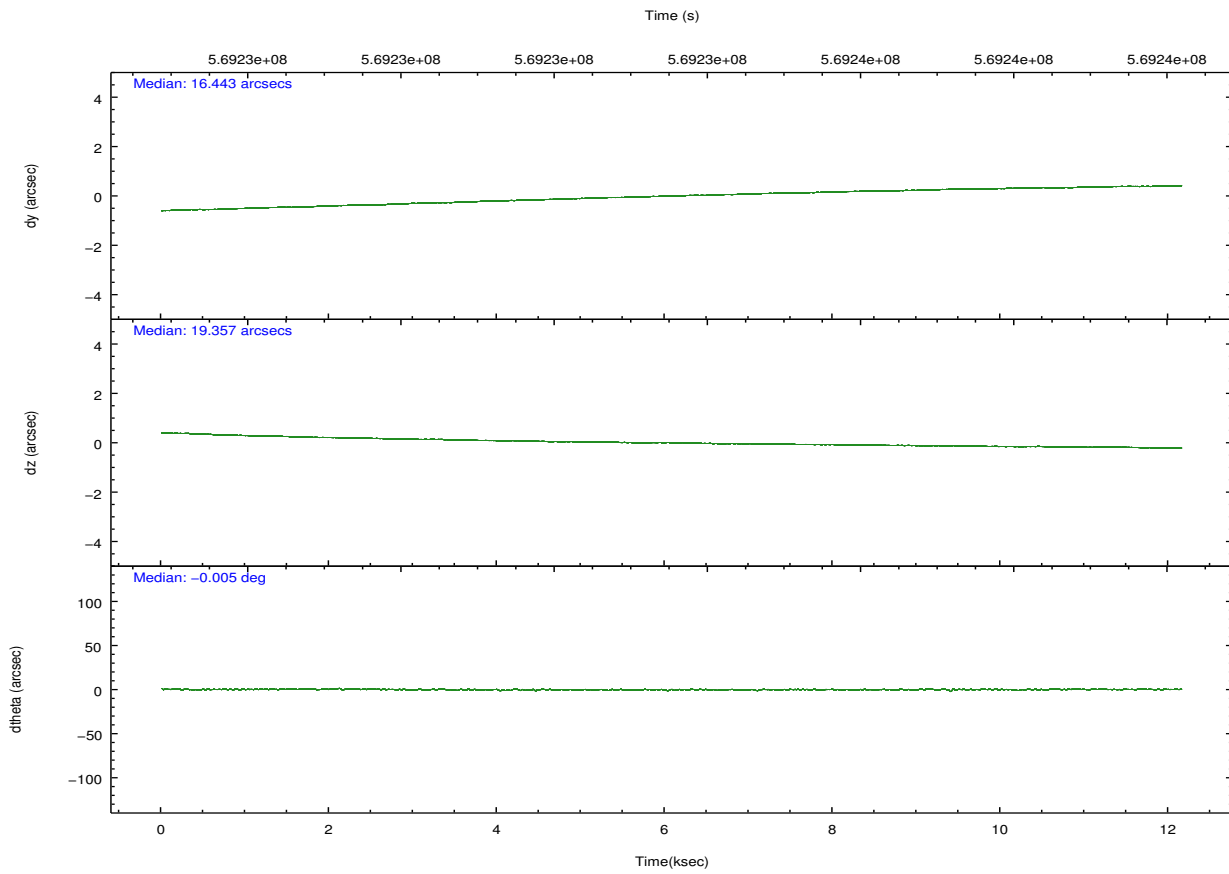
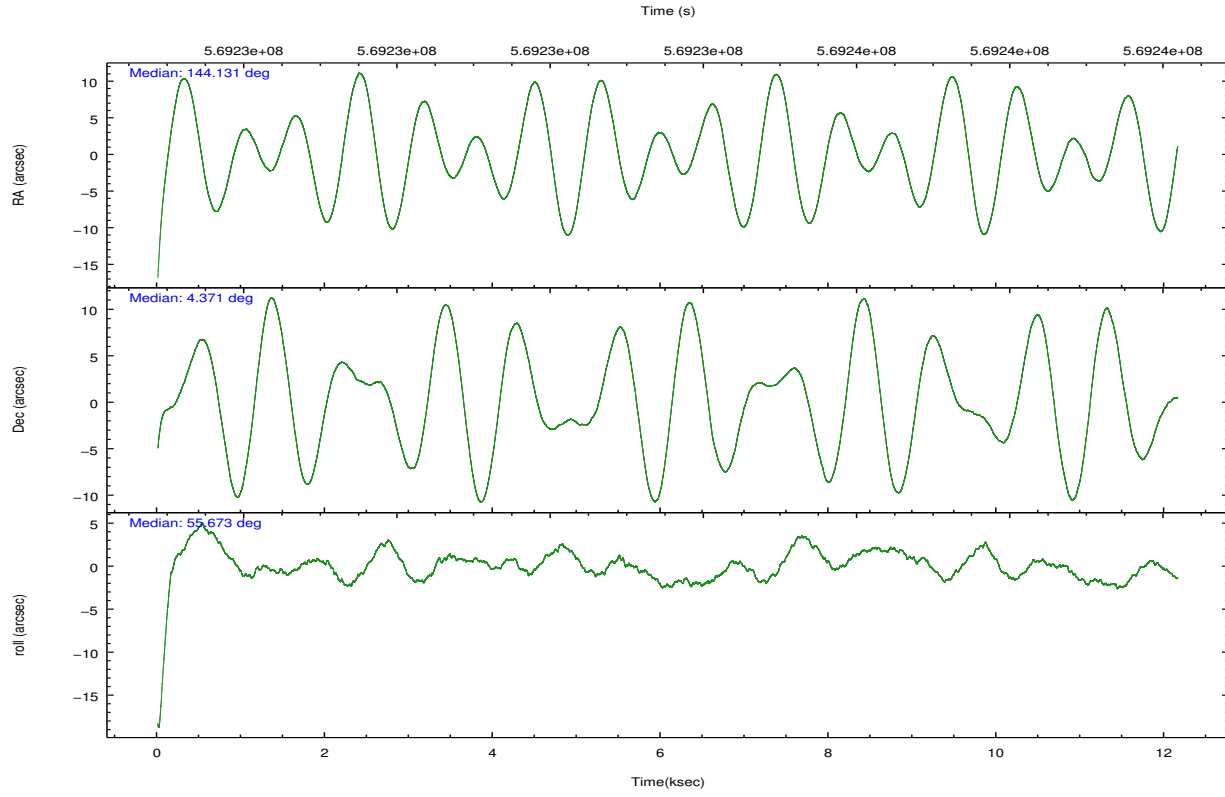
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2533	2477	2749	3401
	3%	3%	3%	3%
grade 1 events	38	45	38	127
	0%	0%	0%	0%
grade 2 events	1858	1654	1889	8344
	2%	2%	2%	9%
grade 3 events	714	808	828	3311
	1%	1%	1%	3%
grade 4 events	815	804	844	3151
	1%	1%	1%	3%
grade 5 events	2839	3500	3520	9415
	4%	5%	5%	10%
grade 6 events	1525	1619	1851	21694
	2%	2%	2%	23%
grade 7 events	60173	54255	58678	42655
	85%	83%	83%	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	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	144.129717	144.1314044885794	CCD I2 on	O1	Y
[deg] Pointing Dec	4.343739	4.371132383126938	CCD I3 on	O2	Y
[deg] Pointing Roll	55.514842	55.67133378784143	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	569227624.184000	569226322.52235	CCD S5 on	N	N
Observation start date	2016-01-15T06:45:56	2016-01-15T06:25:22	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	569239624.184000	569239971.42312	On-chip summing requested	N	N
Observation end date	2016-01-15T10:05:56	2016-01-15T10:12:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



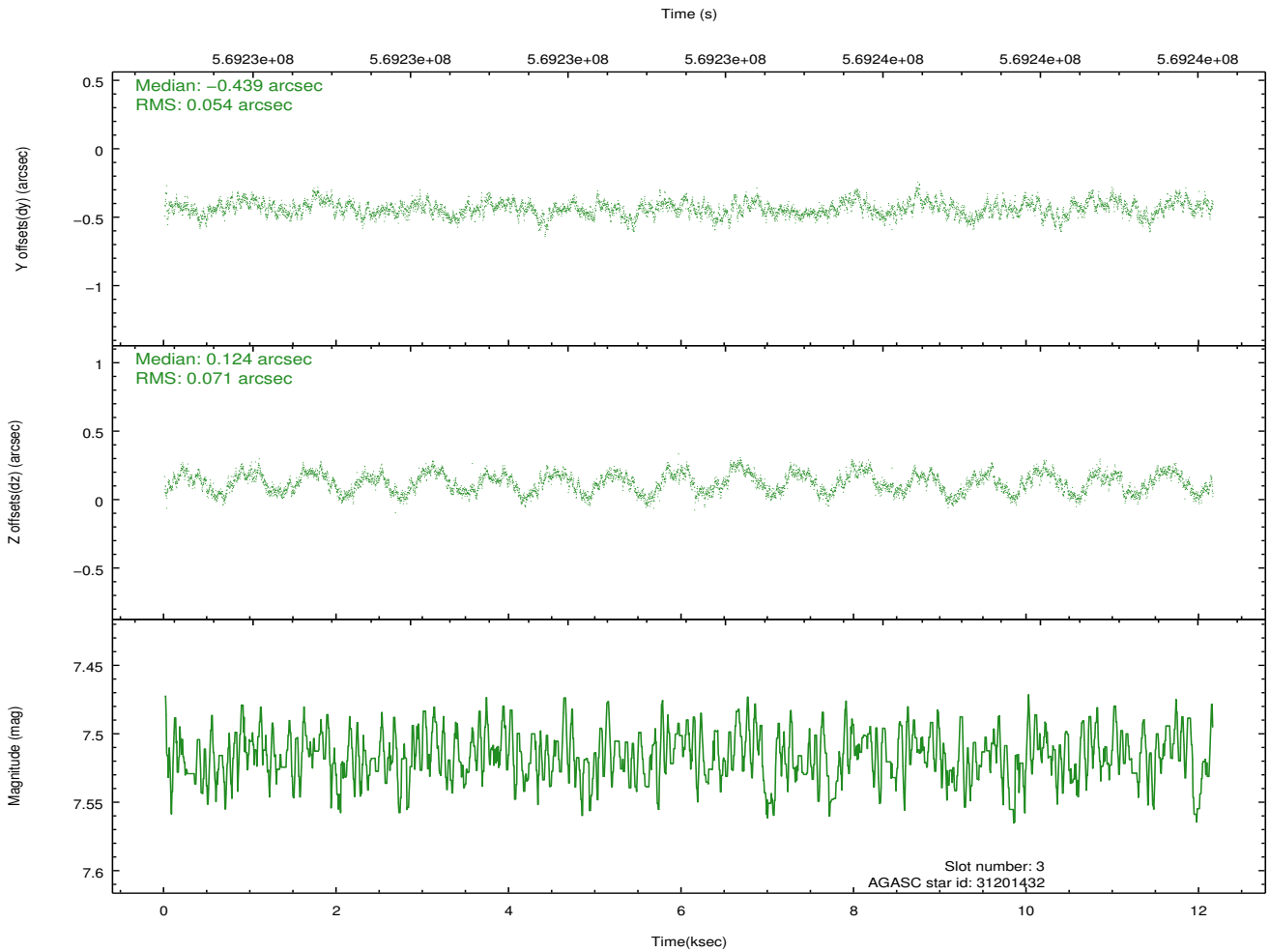
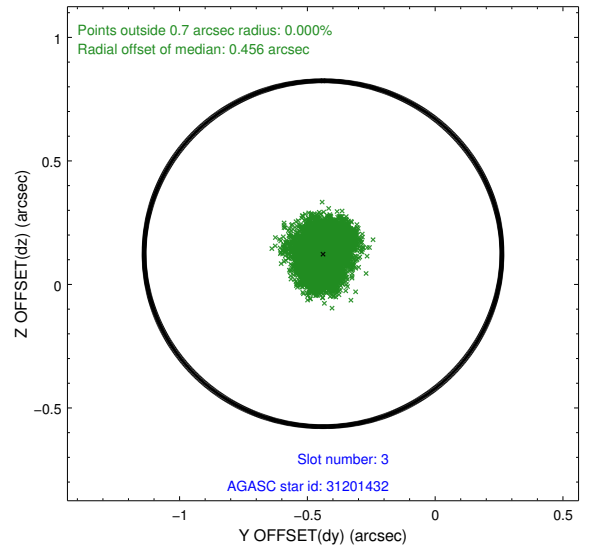
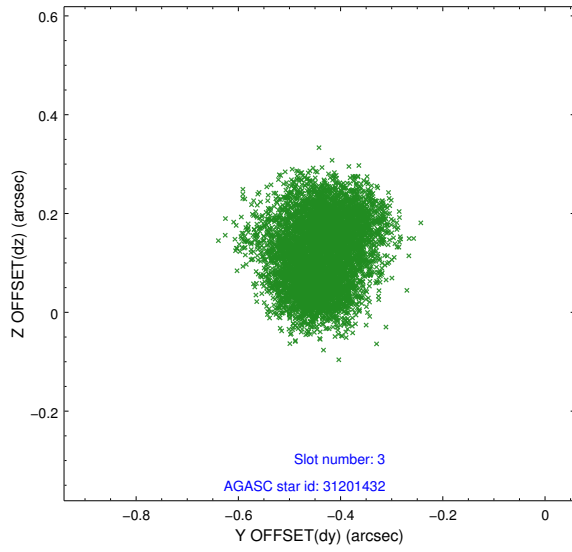


Slot Statistics

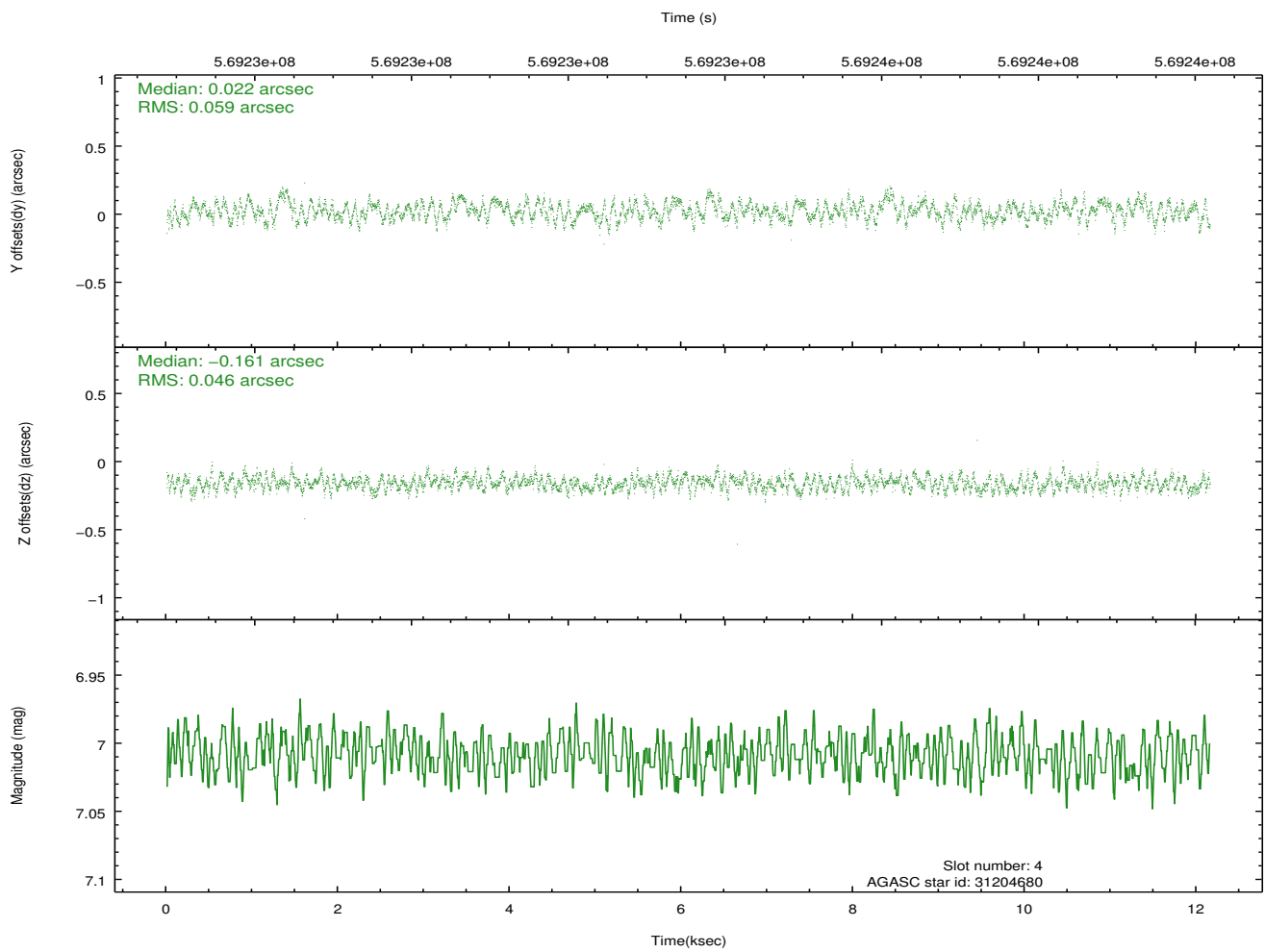
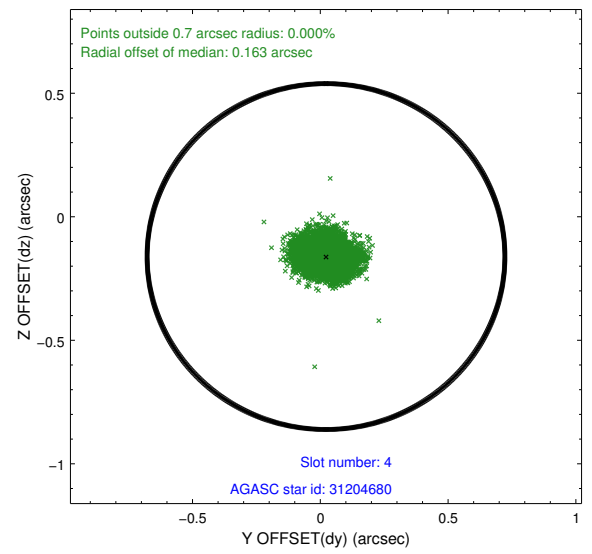
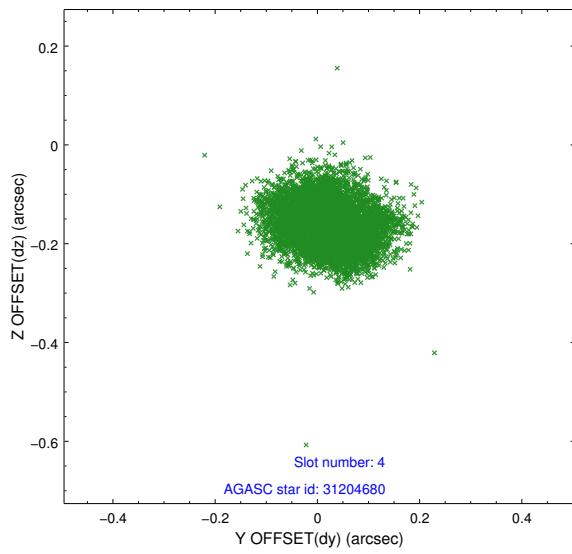
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2964	-0.170	-0.094	0.015	0.024	0.000000	0.000000	-769.57	-1740.93
1	FID		ACIS-S-4	7.22	2963	0.387	0.108	0.006	0.011	0.000000	0.000000	2144.06	167.36
2	FID		ACIS-S-5	7.24	2963	-0.247	-0.004	0.015	0.025	0.000000	0.000000	-1821.98	161.35
3	GUIDE	used	31201432	7.52	5929	-0.439	0.124	0.098	0.145	144.192878	4.950734	1928.99	1050.64
4	GUIDE	used	31204680	7.01	5928	0.022	-0.161	0.080	0.125	144.018318	4.514405	279.78	677.56
5	GUIDE	used	31209840	7.62	5929	0.174	0.268	0.070	0.112	143.770519	4.039511	-1632.70	443.78
6	GUIDE	used	31210104	8.55	5927	0.230	-0.200	0.103	0.169	143.273316	4.171416	-2251.57	2183.01
7	GUIDE	used	31598128	9.36	5923	0.022	-0.028	0.138	0.222	144.139120	5.055664	2131.05	1423.15

2.4 Star Slots

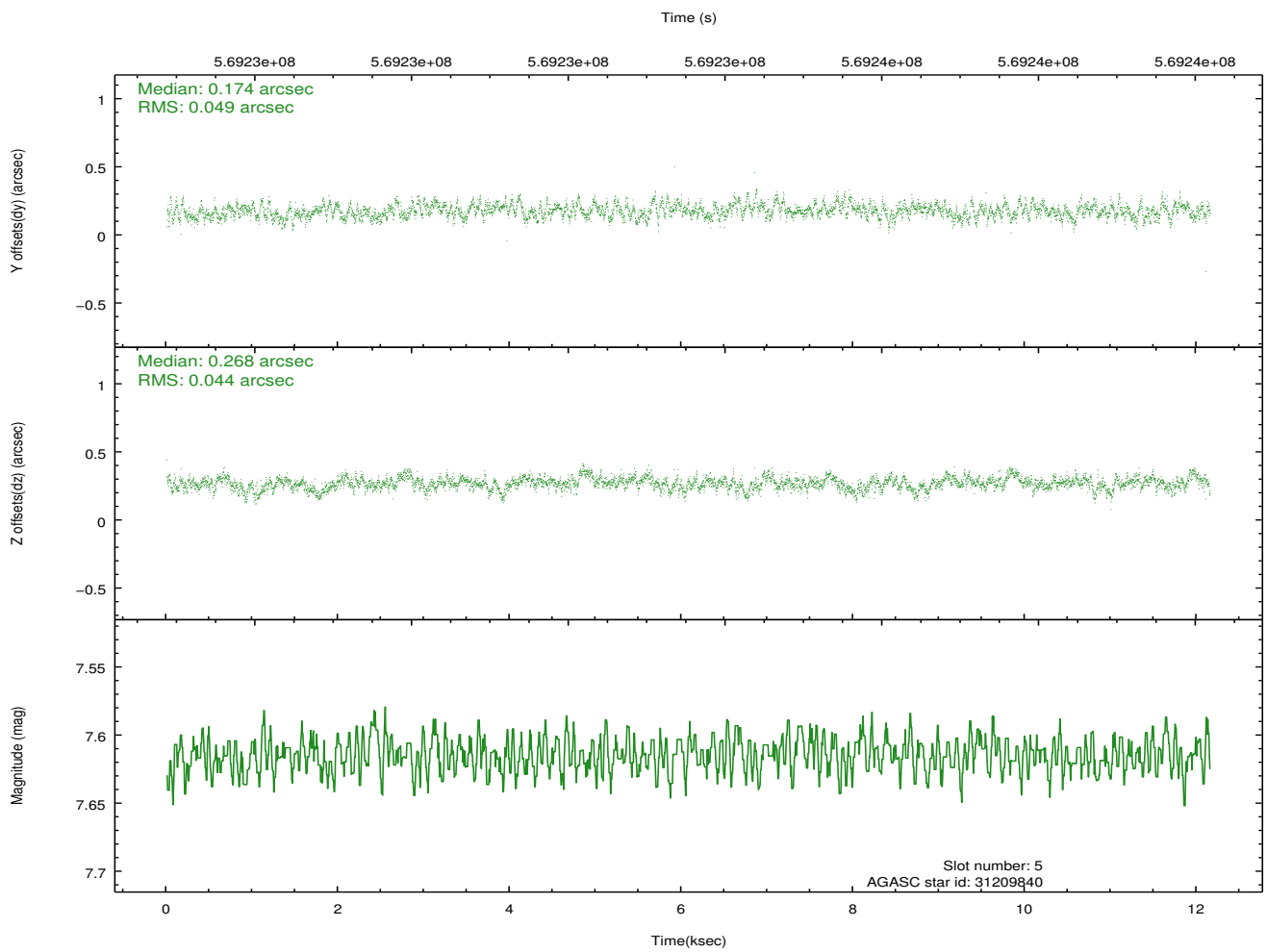
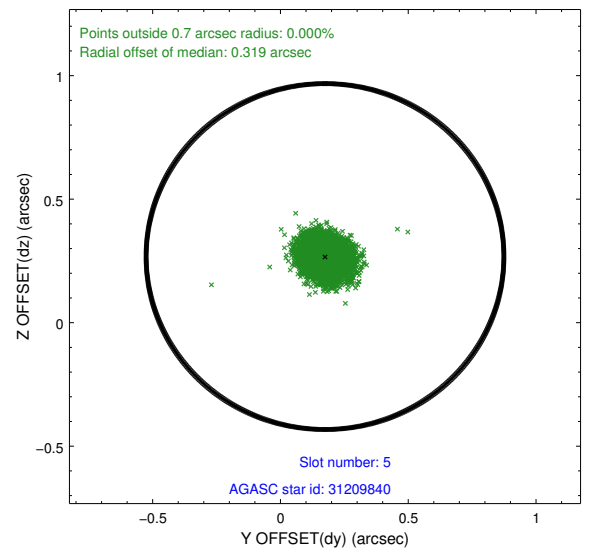
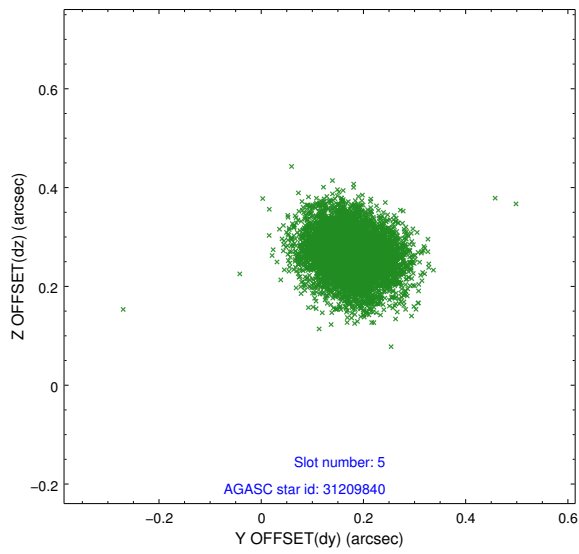
2.4.1 Slot 3



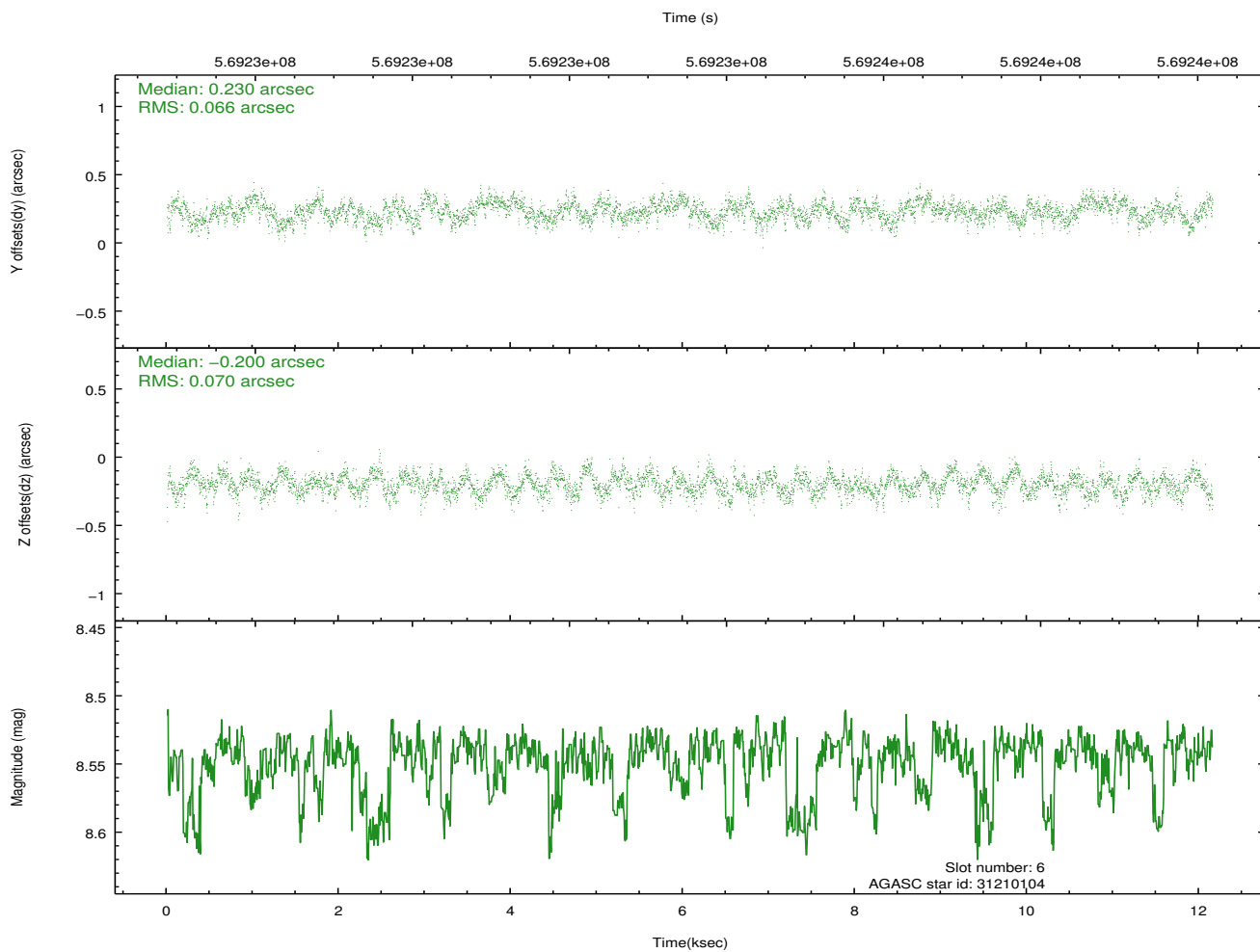
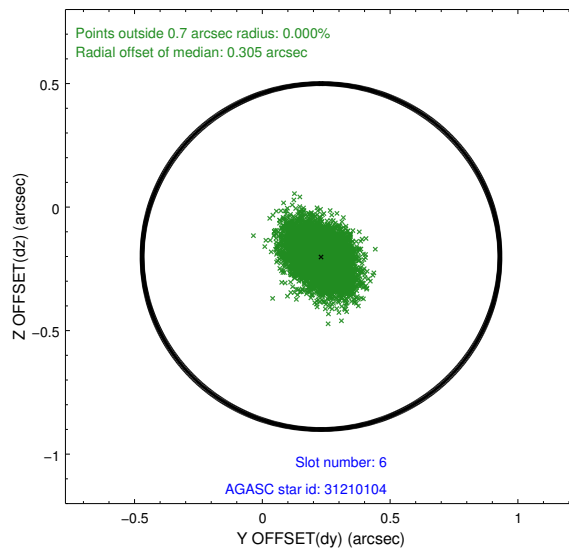
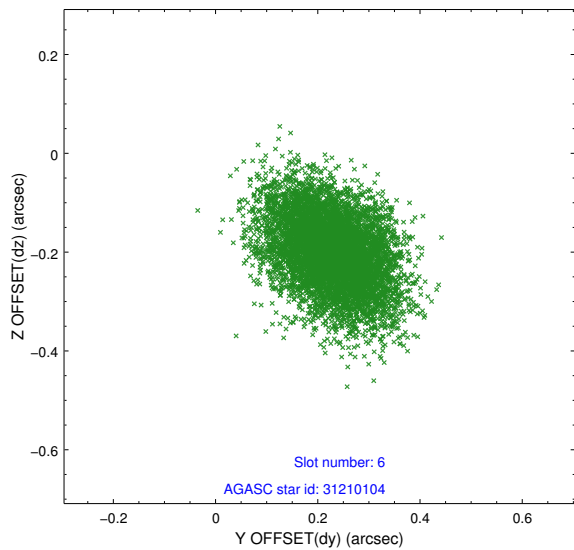
2.4.2 Slot 4



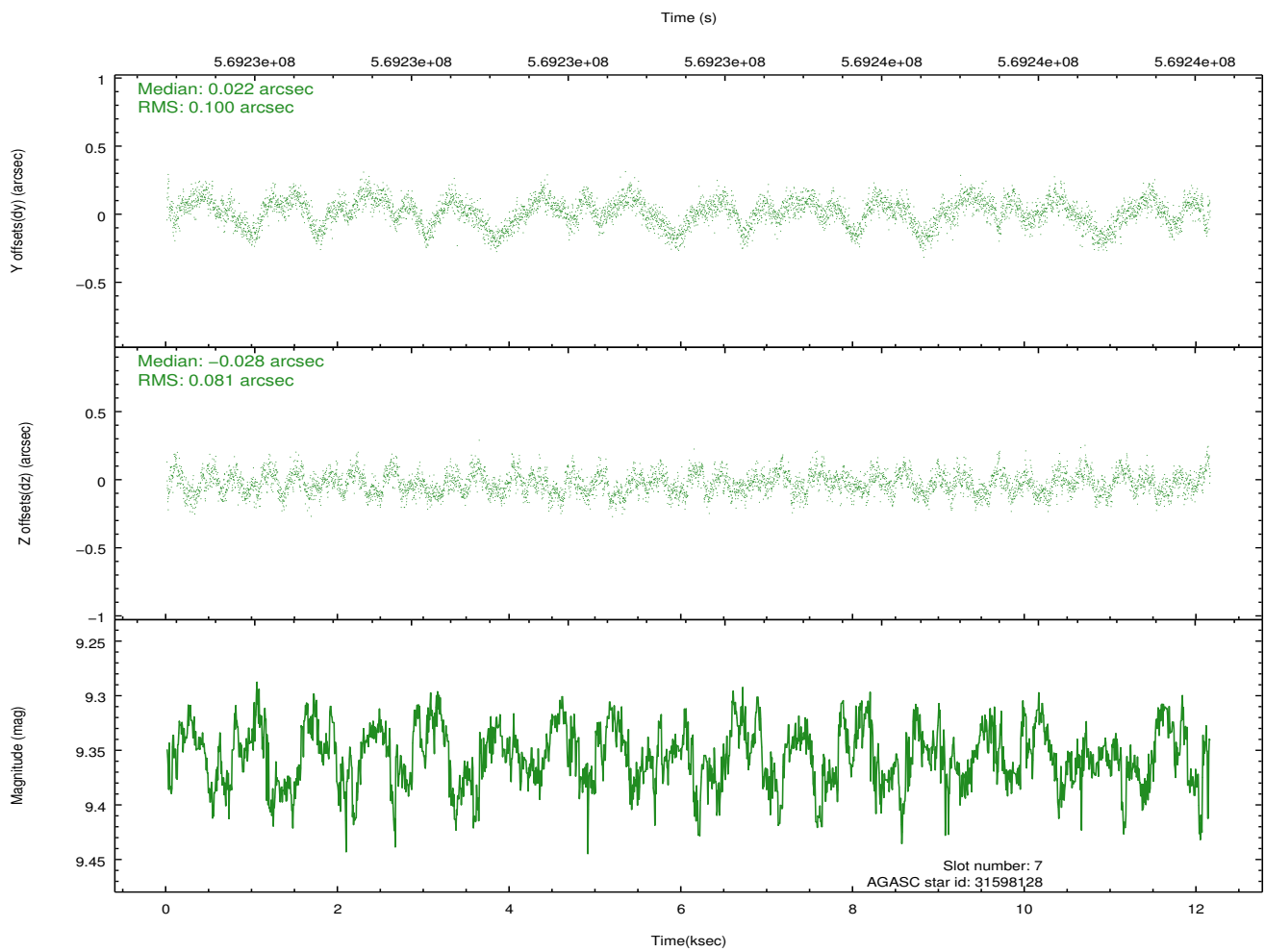
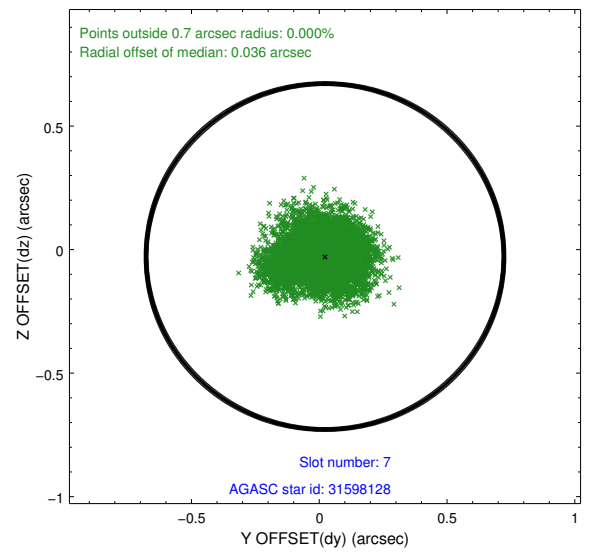
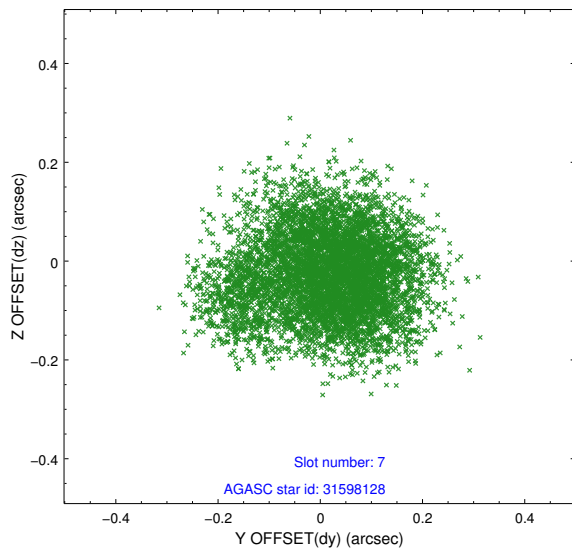
2.4.3 Slot 5



2.4.4 Slot 6

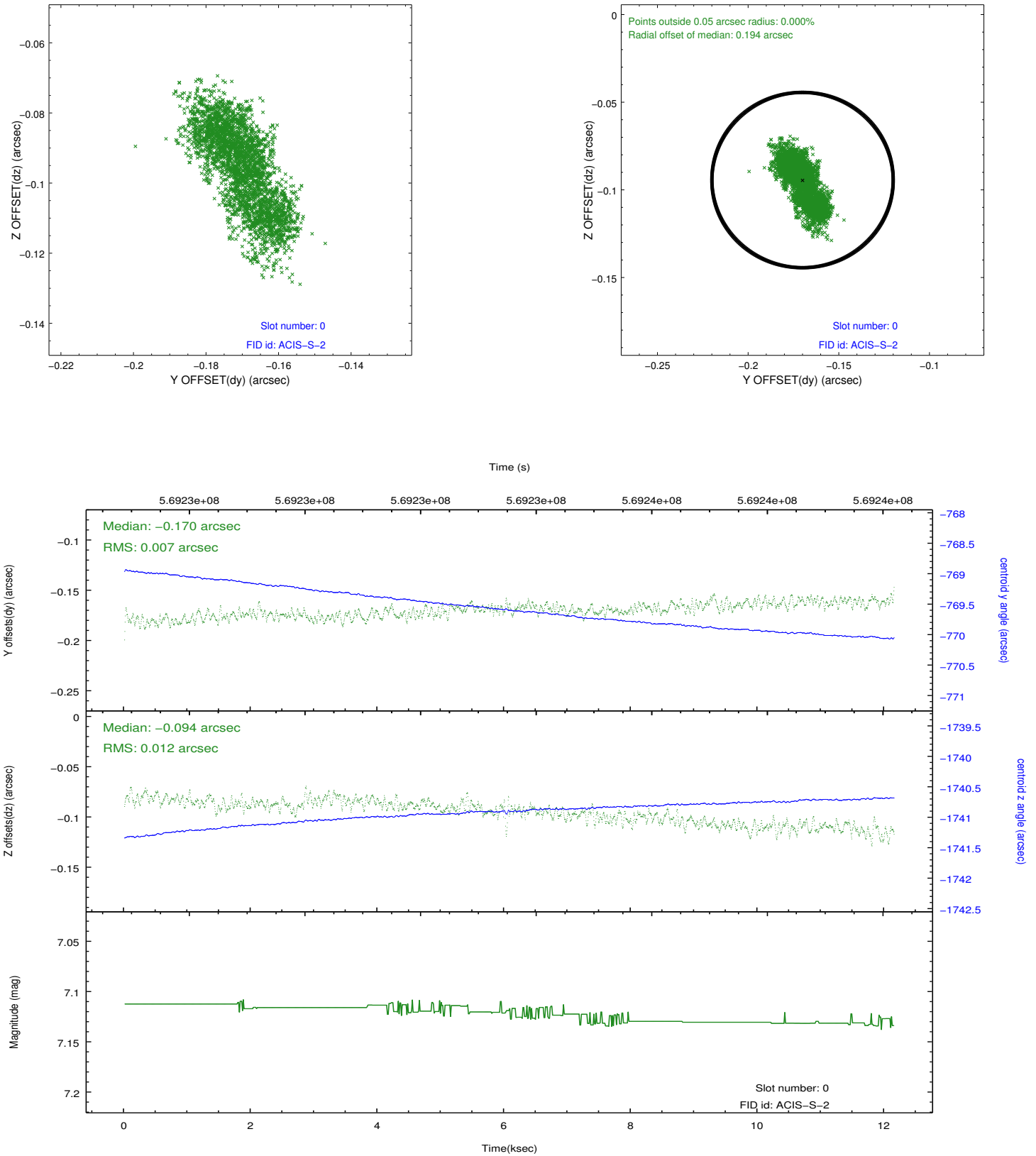


2.4.5 Slot 7

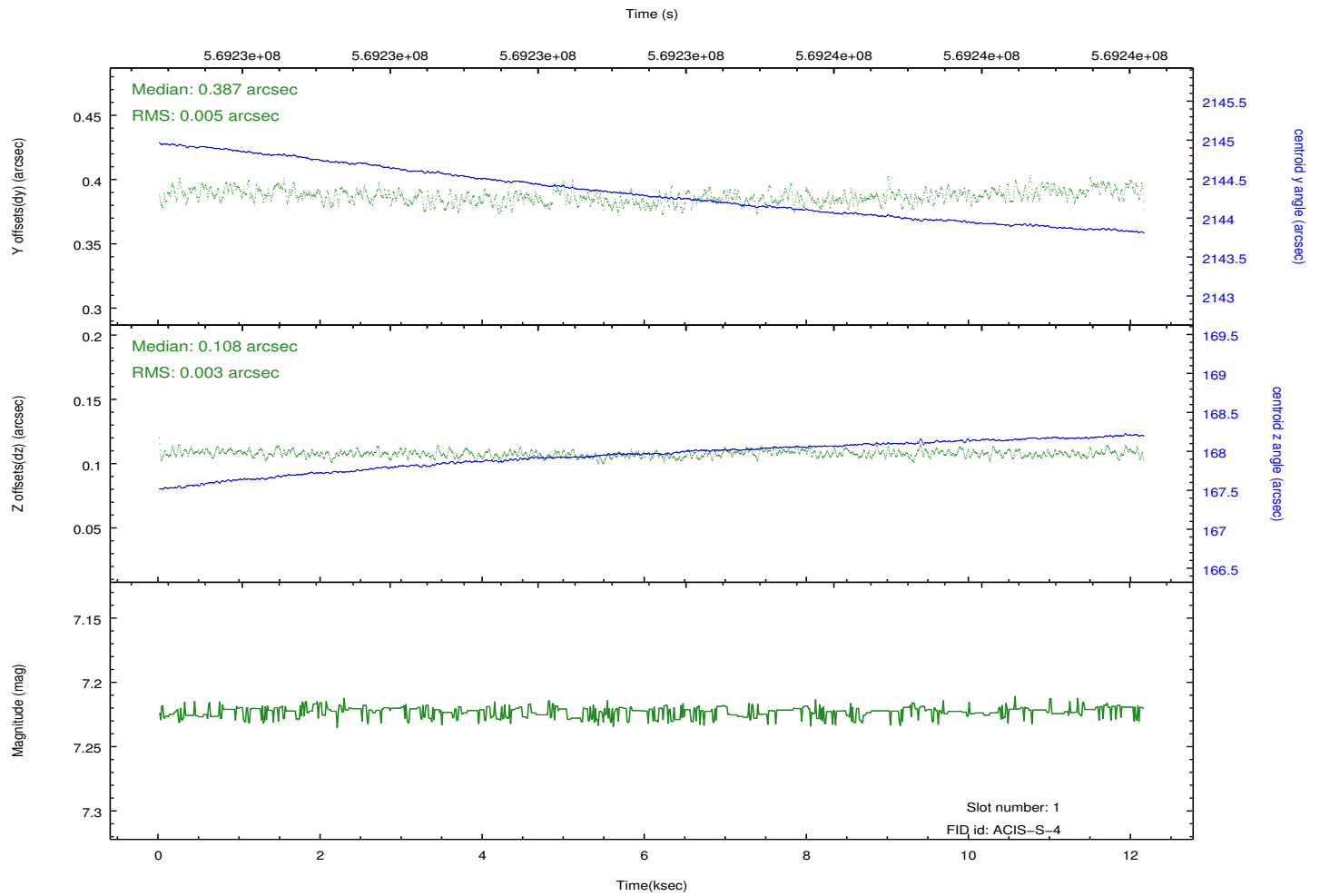
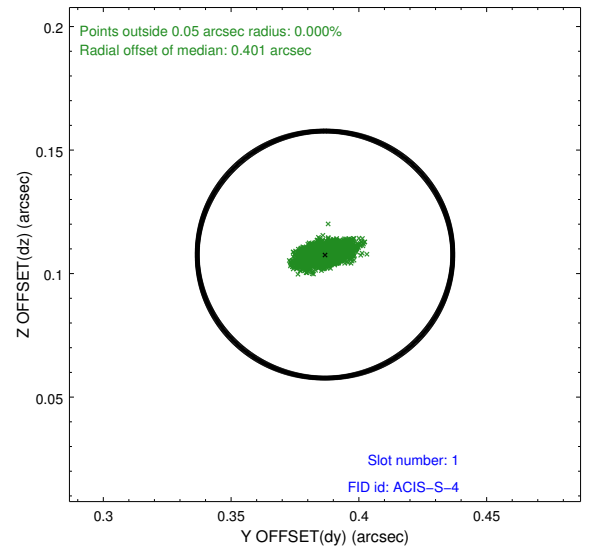
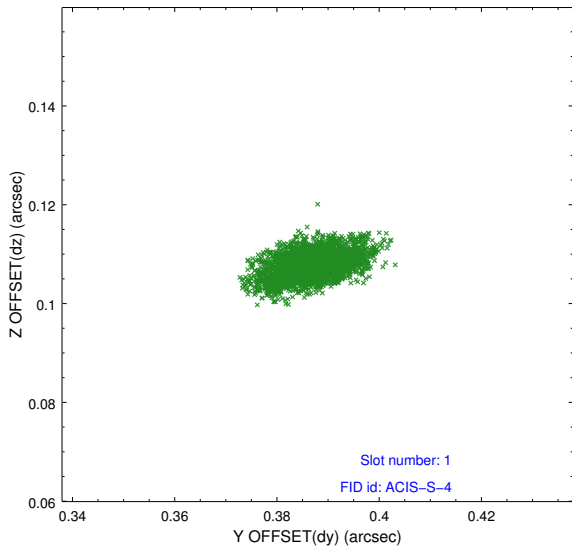


2.5 FID Slots

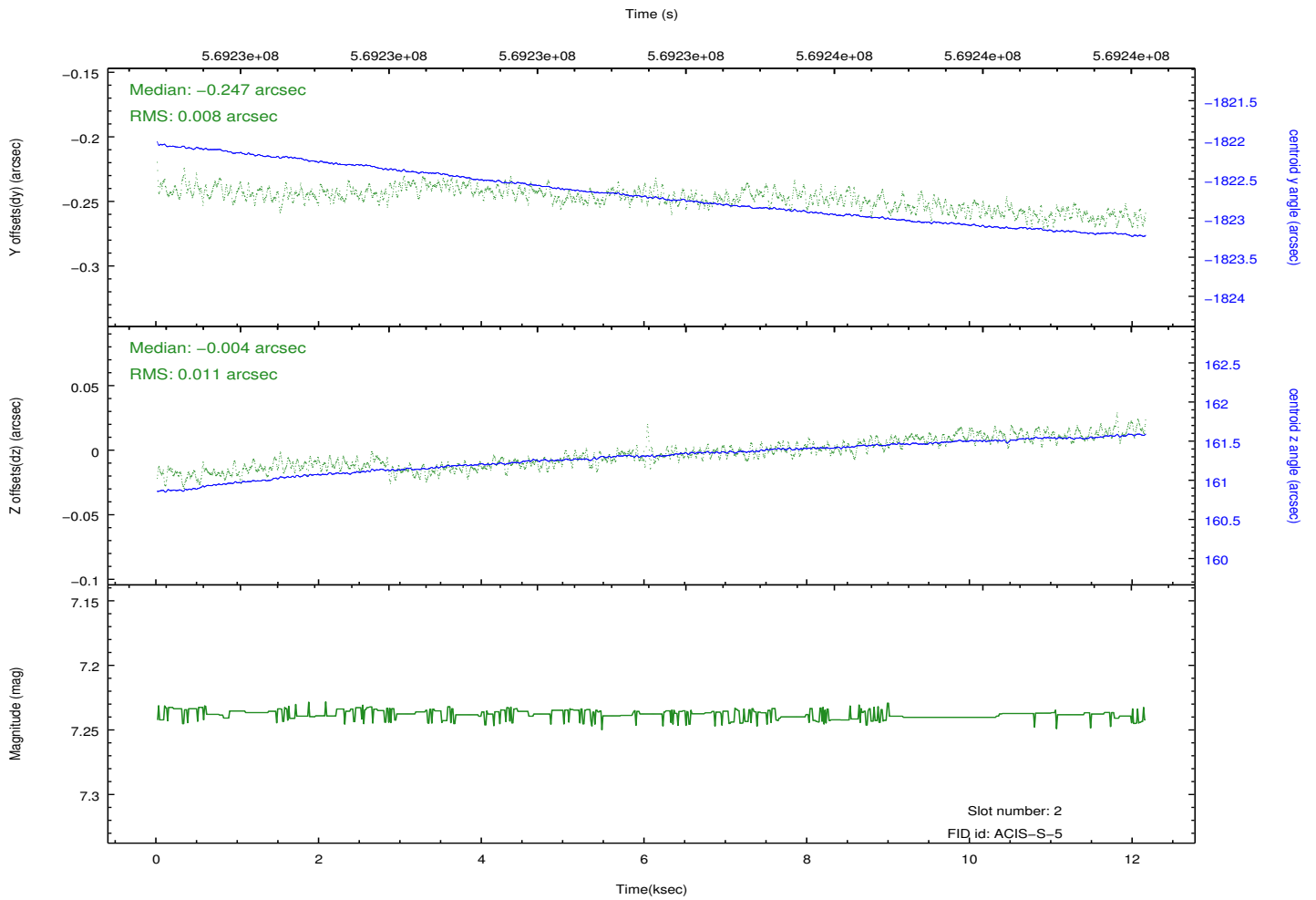
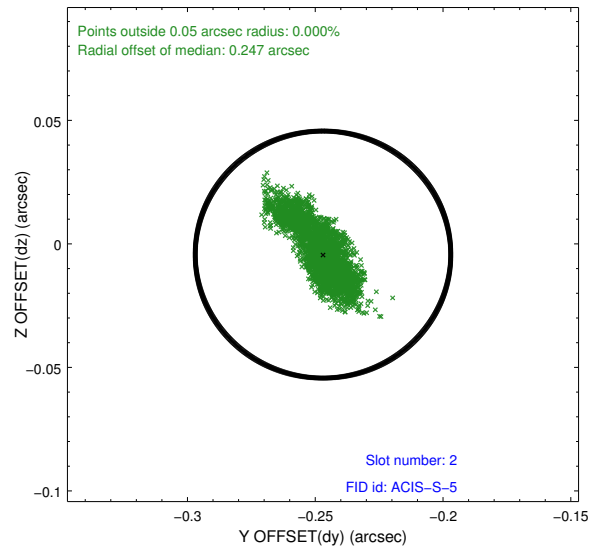
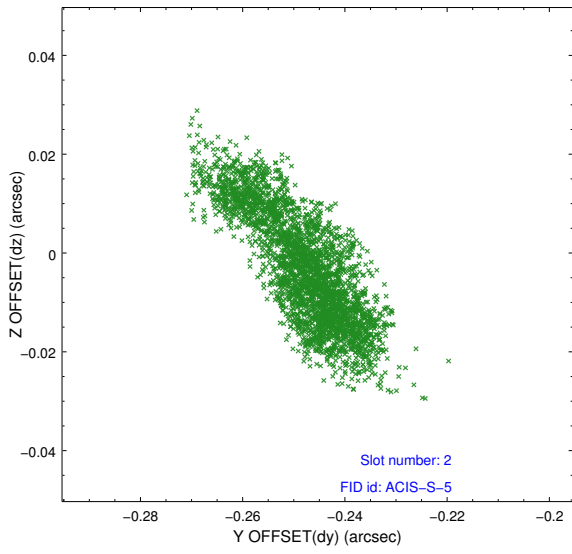
2.5.1 Slot 0



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)	2016.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.071167414188

A.2 Comments