

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19648 - L2 Version 1
Chandra X-Ray Center

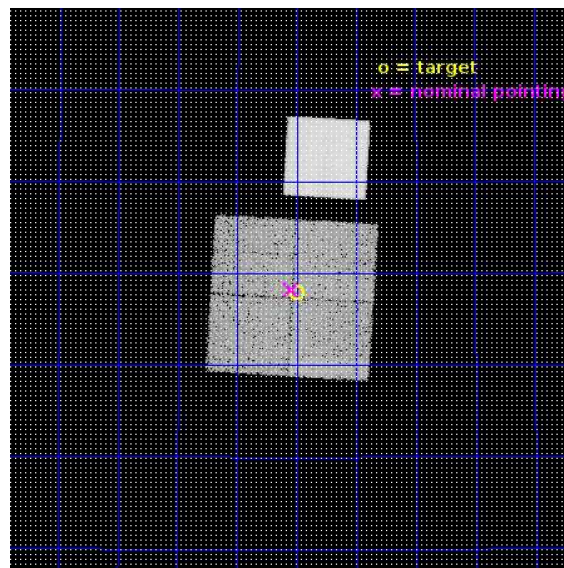
L2 Processing Date : Nov 6 2017

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1 Front

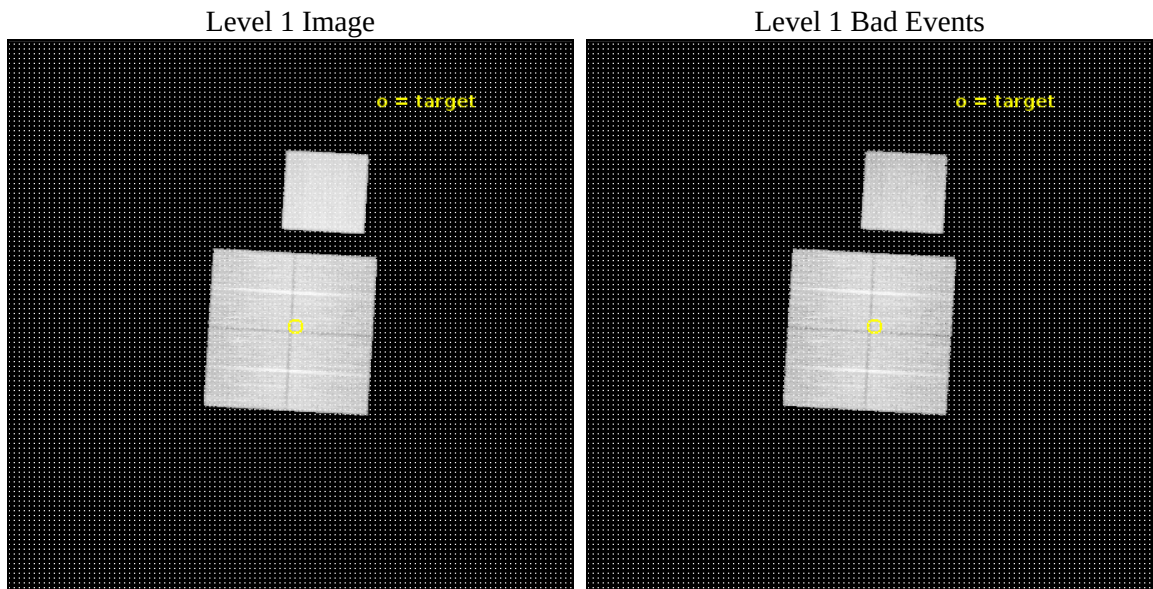
seq_num	901355	Sequence number
obs_id	19648	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	CDWFS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.87533	Observer's specified target RA [deg]
dec_targ	33.798748	Observer's specified target Dec [deg]
ra_nom	218.88627982852	Nominal RA [deg]
dec_nom	33.80404398762	Nominal Dec [deg]
roll_nom	3.4025062434926	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25056.226453424	Sum of GTIs [s]
livetime	24728.848408684	Livetime [s]
ontime0	25056.103333354	Sum of GTIs [s]
ontime1	25053.003383398	Sum of GTIs [s]
ontime2	25056.185413361	Sum of GTIs [s]
ontime3	25056.226453424	Sum of GTIs [s]
ontime7	25056.267493367	Sum of GTIs [s]
l2events	161215	Number of level 2 events



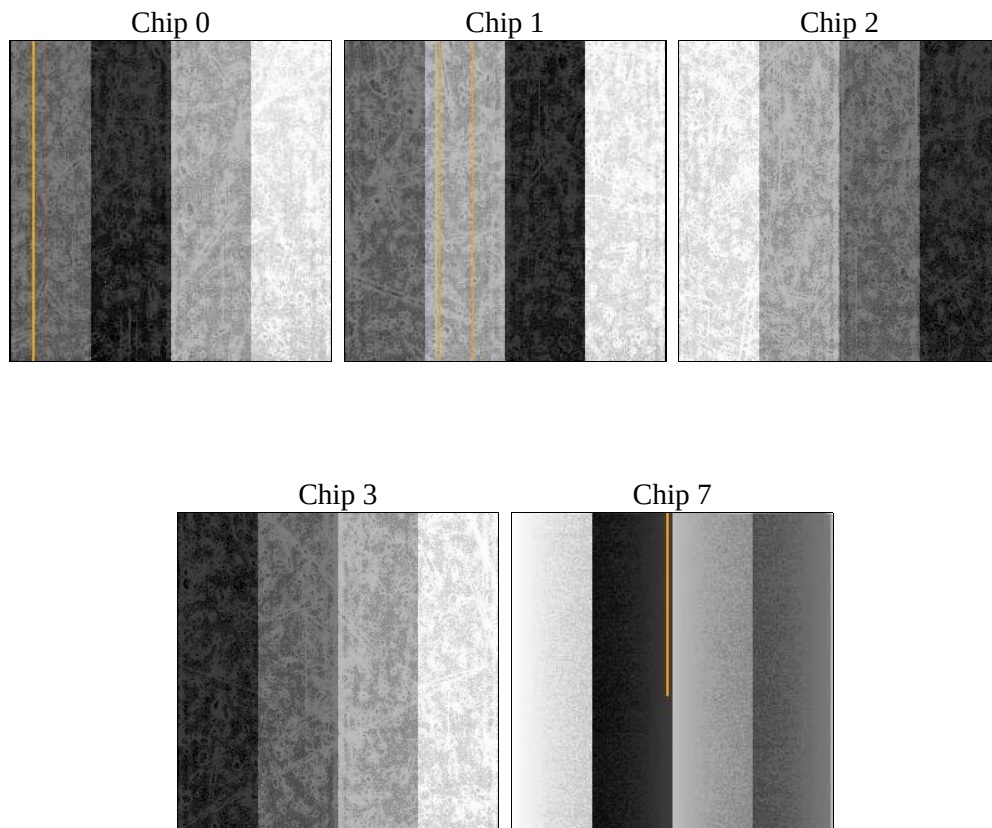
2 OBI

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	10.6	Processing system revision	ontime	25056.226453424	Sum of GTIs [s]
caldsver	4.7.6	 	ontime0	25056.103333354	Sum of GTIs [s]
date	2017-11-06T21:52:20	Date and time of file creation	ontime1	25053.003383398	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	25056.185413361	Sum of GTIs [s]
			ontime3	25056.226453424	Sum of GTIs [s]
			ontime7	25056.267493367	Sum of GTIs [s]
			l1events	883170	Number of level 1 events

2.1.4 Events

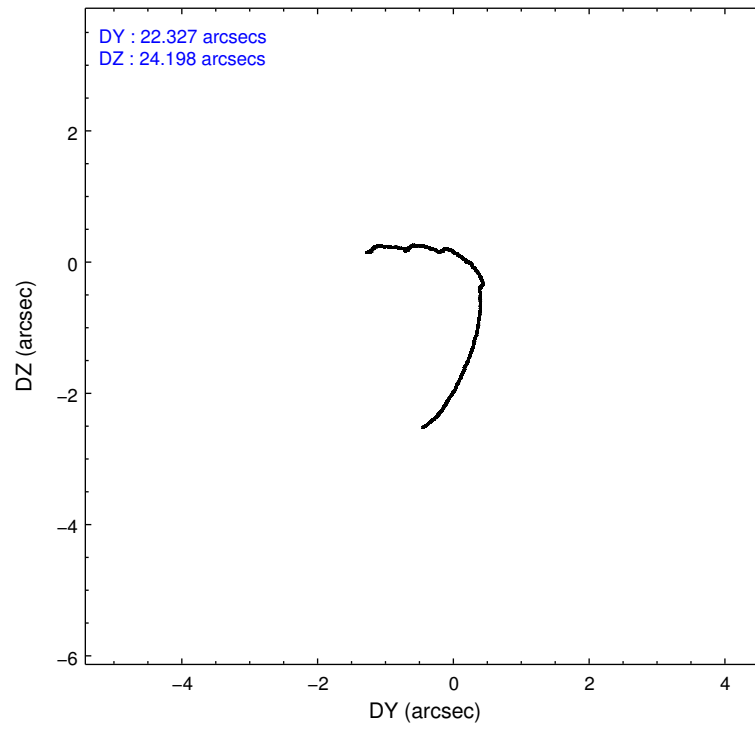
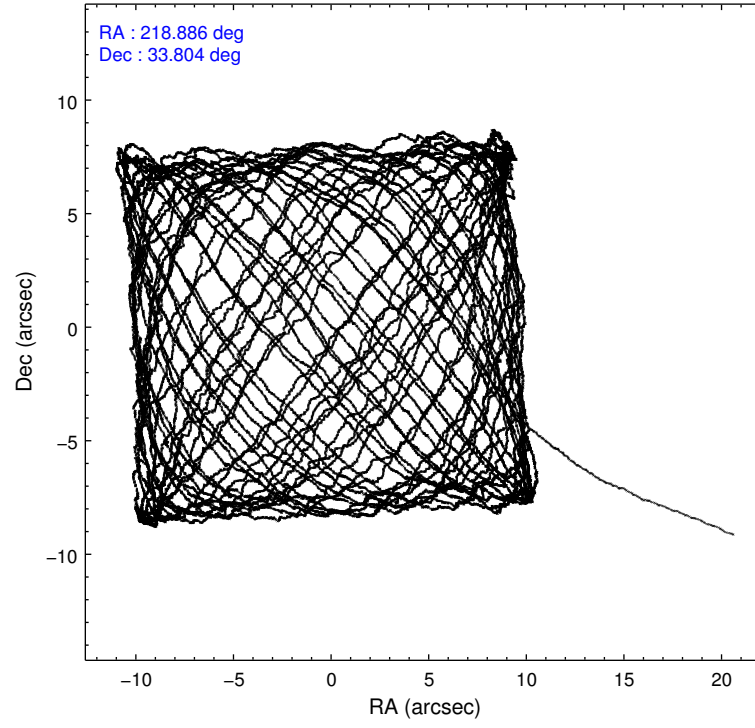
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	157370	160577	172864	166942	225417
rejected events	137380	139026	154035	148267	127289
rejected %	87%	86%	89%	88%	56%

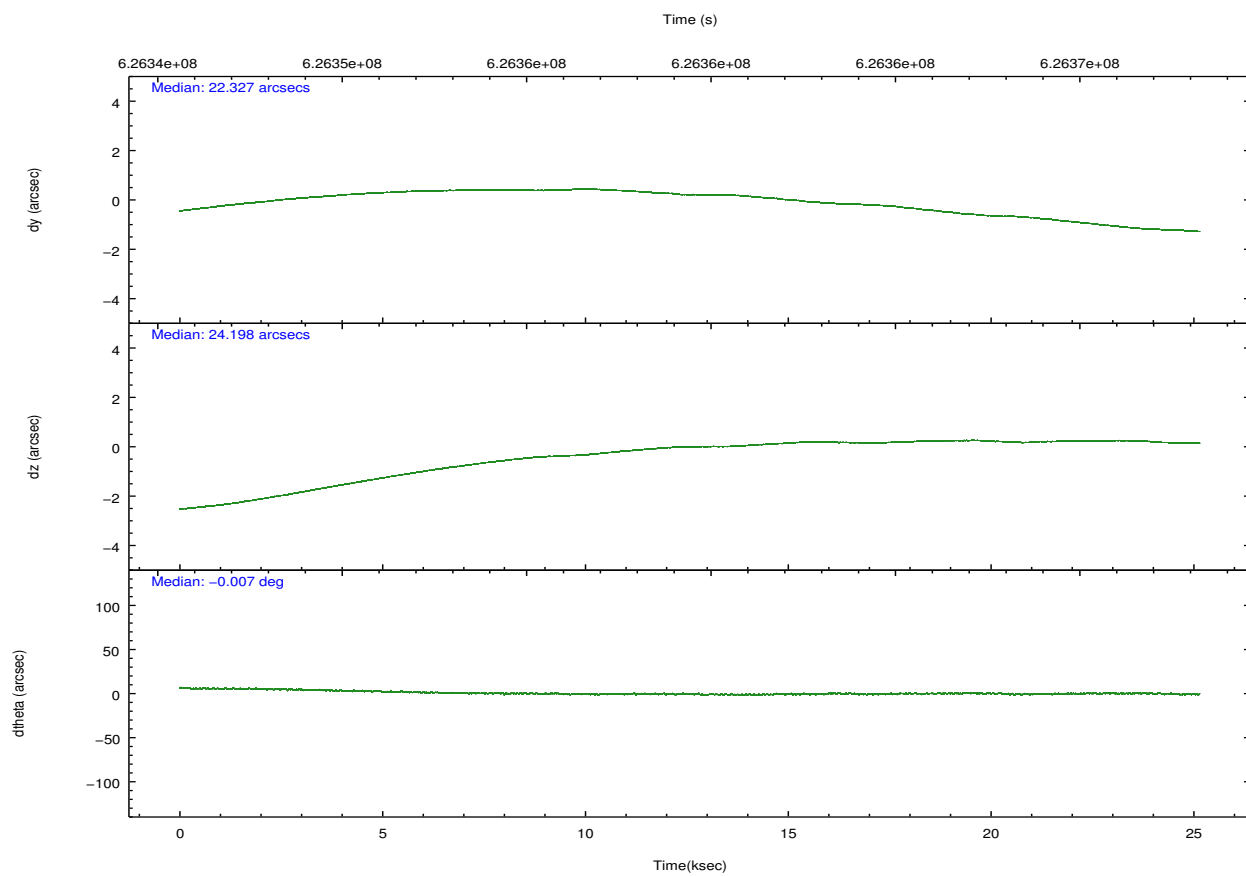
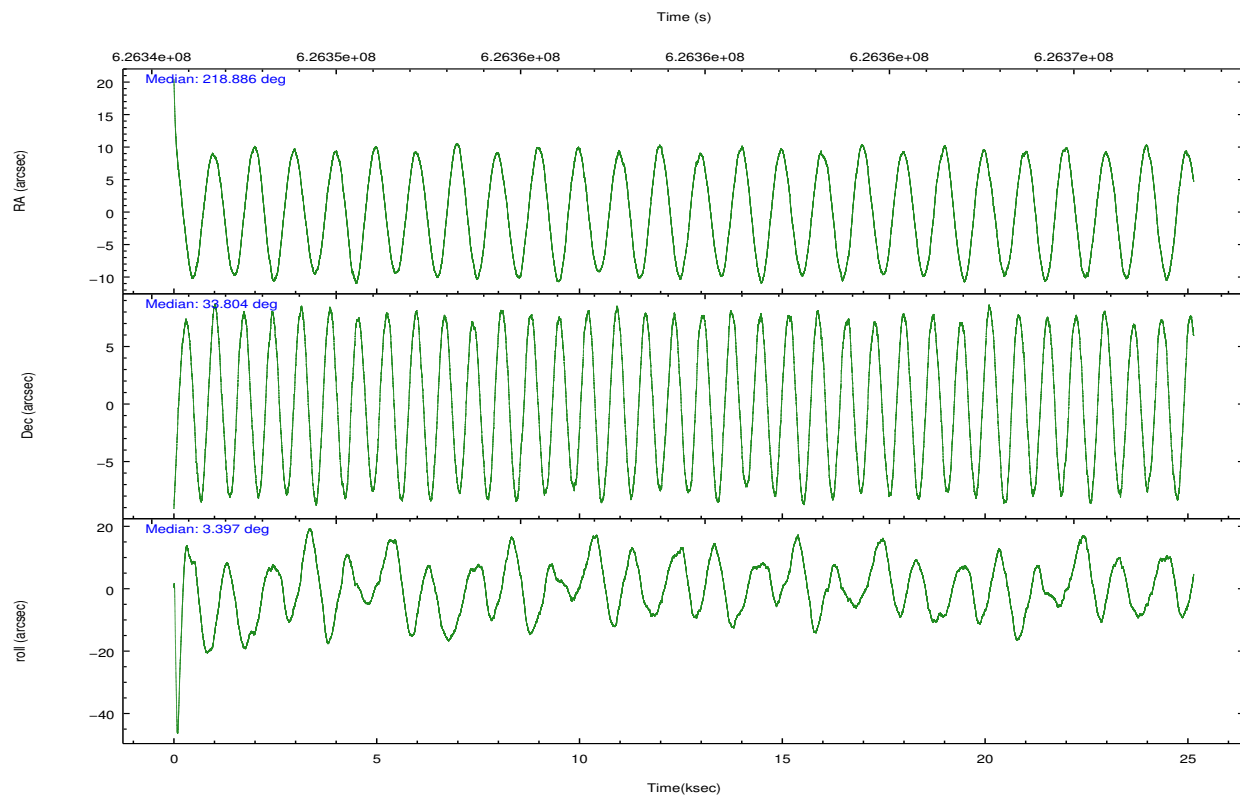
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6880	7078	6509	6870	8476
	4%	4%	3%	4%	3%
grade 1 events	96	78	116	106	319
	0%	0%	0%	0%	0%
grade 2 events	5128	5613	4669	4046	20670
	3%	3%	2%	2%	9%
grade 3 events	2054	1943	1847	1874	8045
	1%	1%	1%	1%	3%
grade 4 events	1876	2001	1903	1990	7783
	1%	1%	1%	1%	3%
grade 5 events	7551	7793	7158	8496	22566
	4%	4%	4%	5%	10%
grade 6 events	4055	4922	3906	3899	53171
	2%	3%	2%	2%	23%
grade 7 events	129730	131149	146756	139661	104387
	82%	81%	84%	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	218.858603	218.886279828522	CCD I2 on	Y	Y
[deg] Pointing Dec	33.788761	33.80404398761954	CCD I3 on	Y	Y
[deg] Pointing Roll	3.209183	3.402506243492576	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	626347017.184000	626345906.25732	CCD S5 on	N	N
Observation start date	2017-11-06T09:15:48	2017-11-06T08:58:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	626372017.184000	626373054.40891	On-chip summing requested	N	N
Observation end date	2017-11-06T16:12:28	2017-11-06T16:30:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



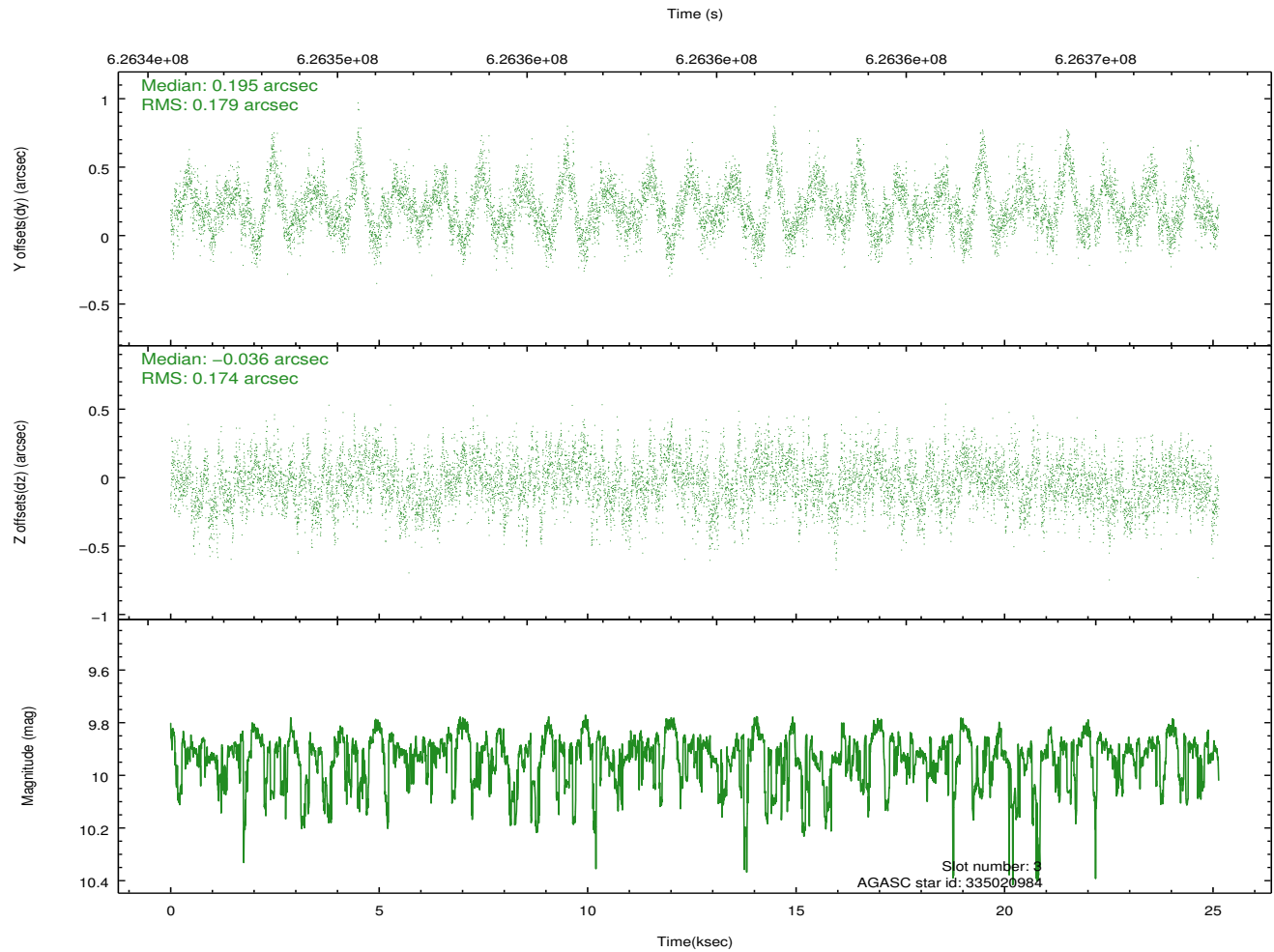
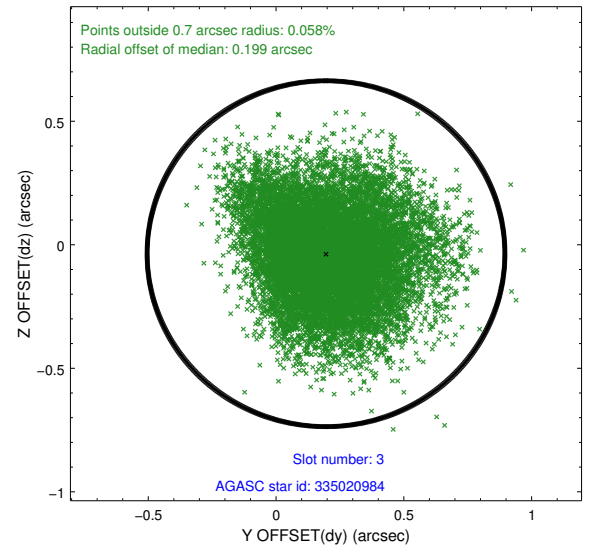
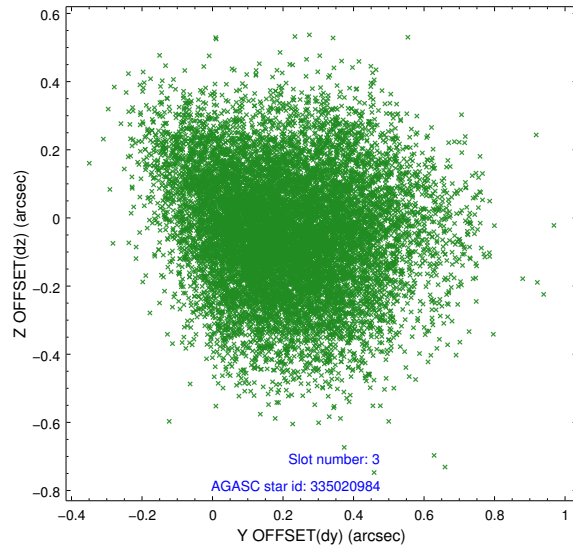


Slot Statistics

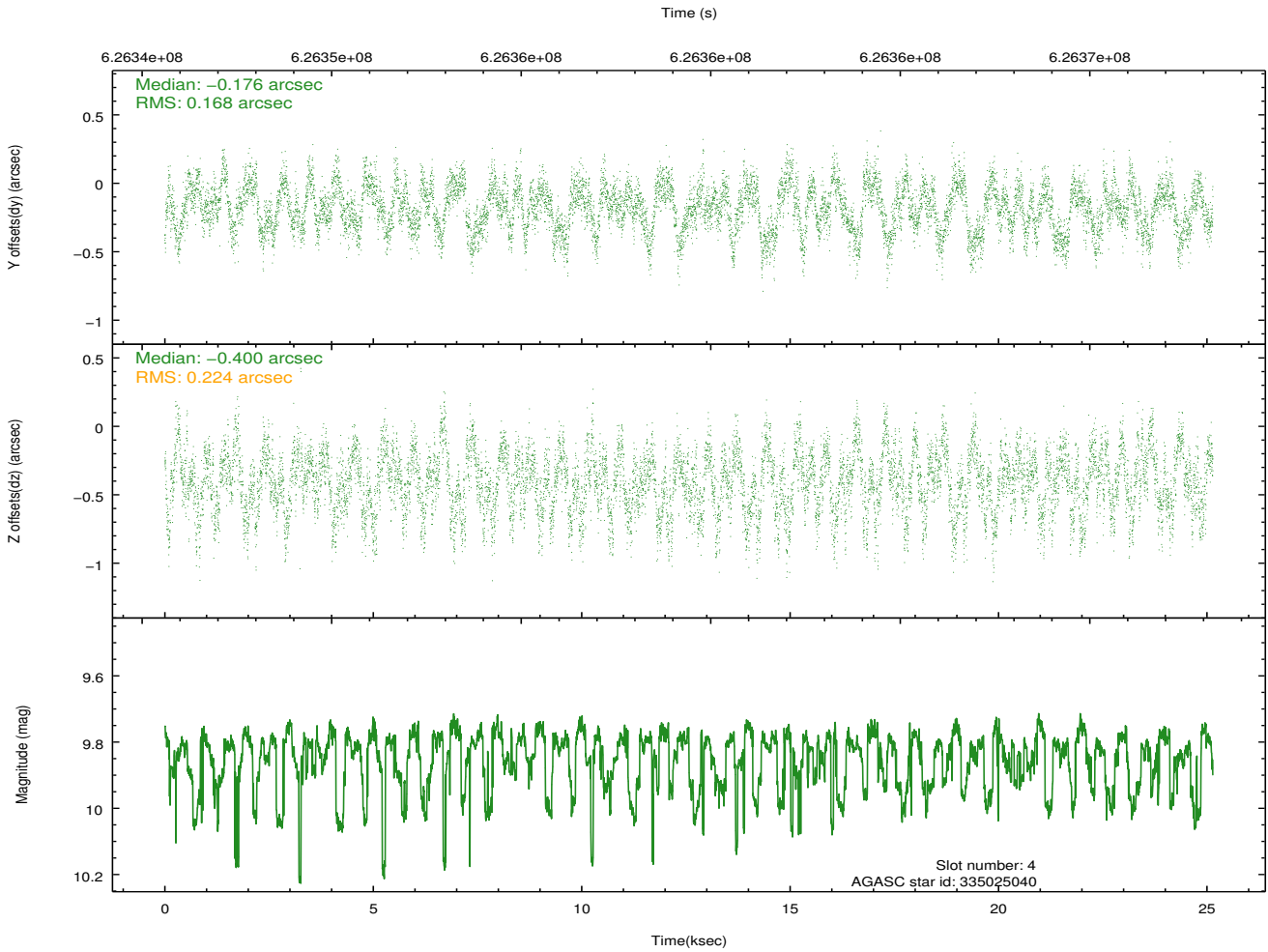
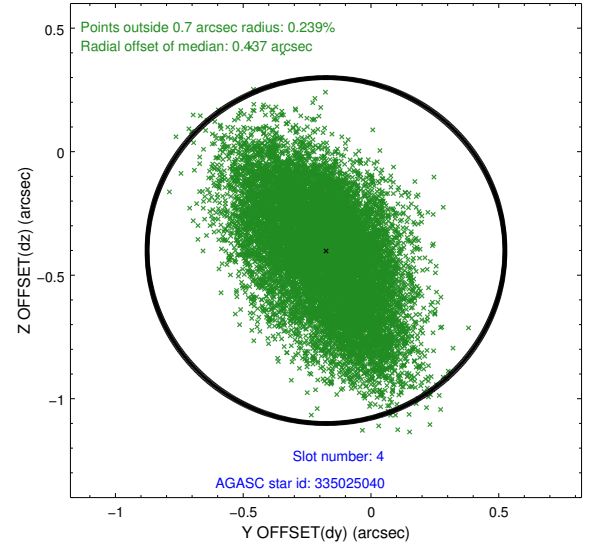
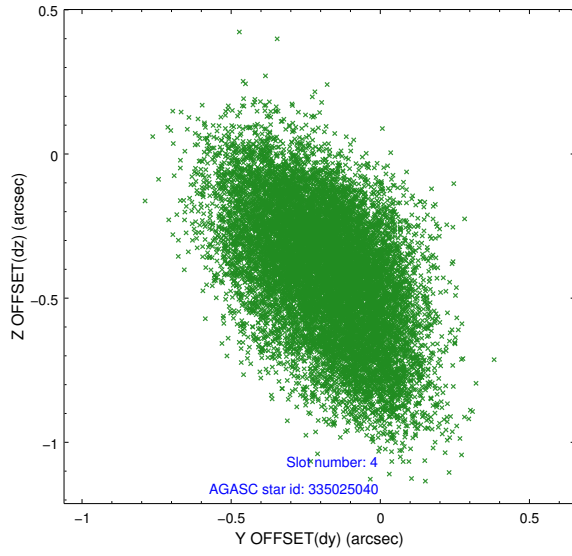
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.19	6133	0.038	0.018	0.017	0.077	0.000000	0.000000	917.19	-847.48
1	FID		ACIS-I-5	7.16	6133	-0.399	-0.006	0.021	0.038	0.000000	0.000000	-1831.47	1049.68
2	FID		ACIS-I-6	7.19	6133	0.264	0.061	0.014	0.044	0.000000	0.000000	382.59	1694.59
3	GUIDE	used	335020984	9.92	12158	0.195	-0.036	0.266	0.432	218.841668	33.815112	-46.11	99.97
4	GUIDE	used	335025040	9.84	12133	-0.176	-0.400	0.296	0.492	218.601670	34.305240	-658.71	1899.91
5	GUIDE	used	335028616	9.87	12221	0.227	0.664	0.341	0.556	218.529874	33.175085	-1111.48	-2149.59
6	GUIDE	used	335152784	7.22	12266	-0.257	-0.046	0.132	0.227	219.280617	33.678221	1240.58	-465.96
7	GUIDE	used	335157088	9.04	12253	-0.011	-0.159	0.174	0.307	219.274029	33.726909	1230.30	-289.67

2.4 Star Slots

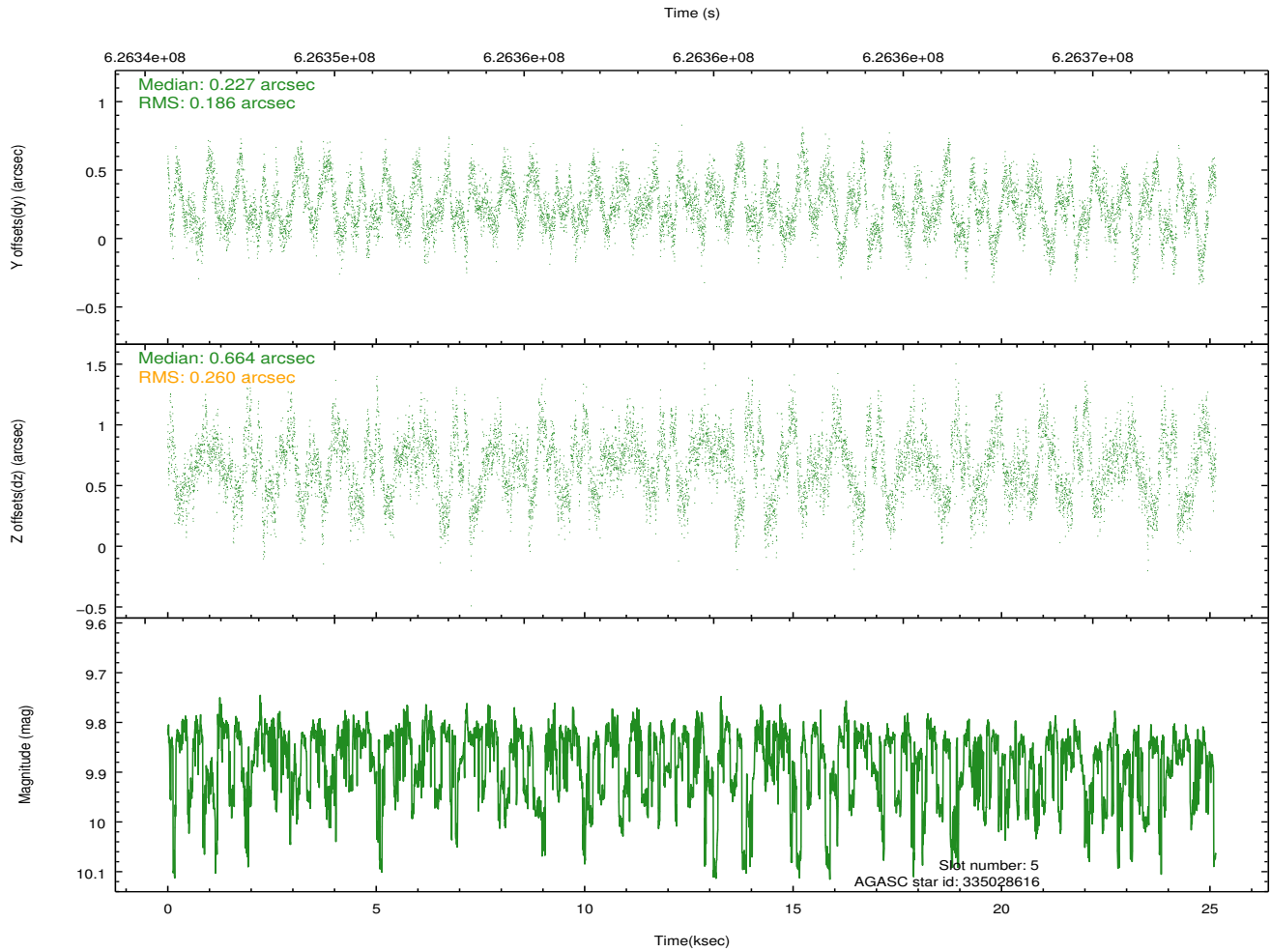
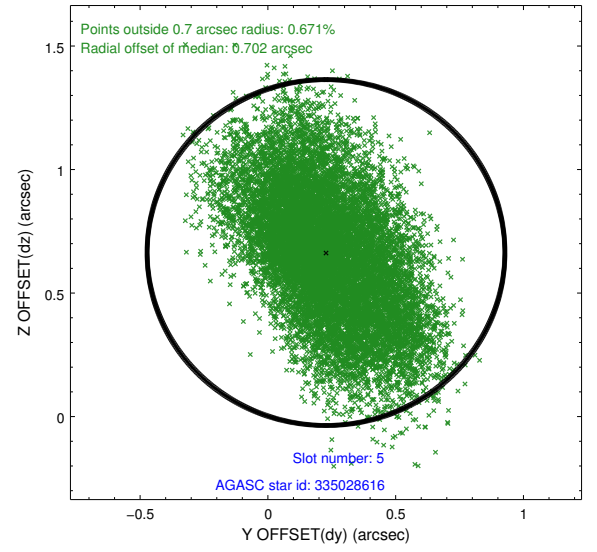
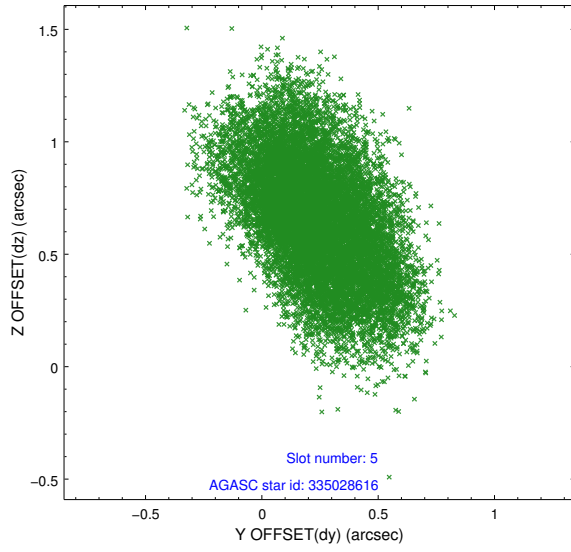
2.4.1 Slot 3



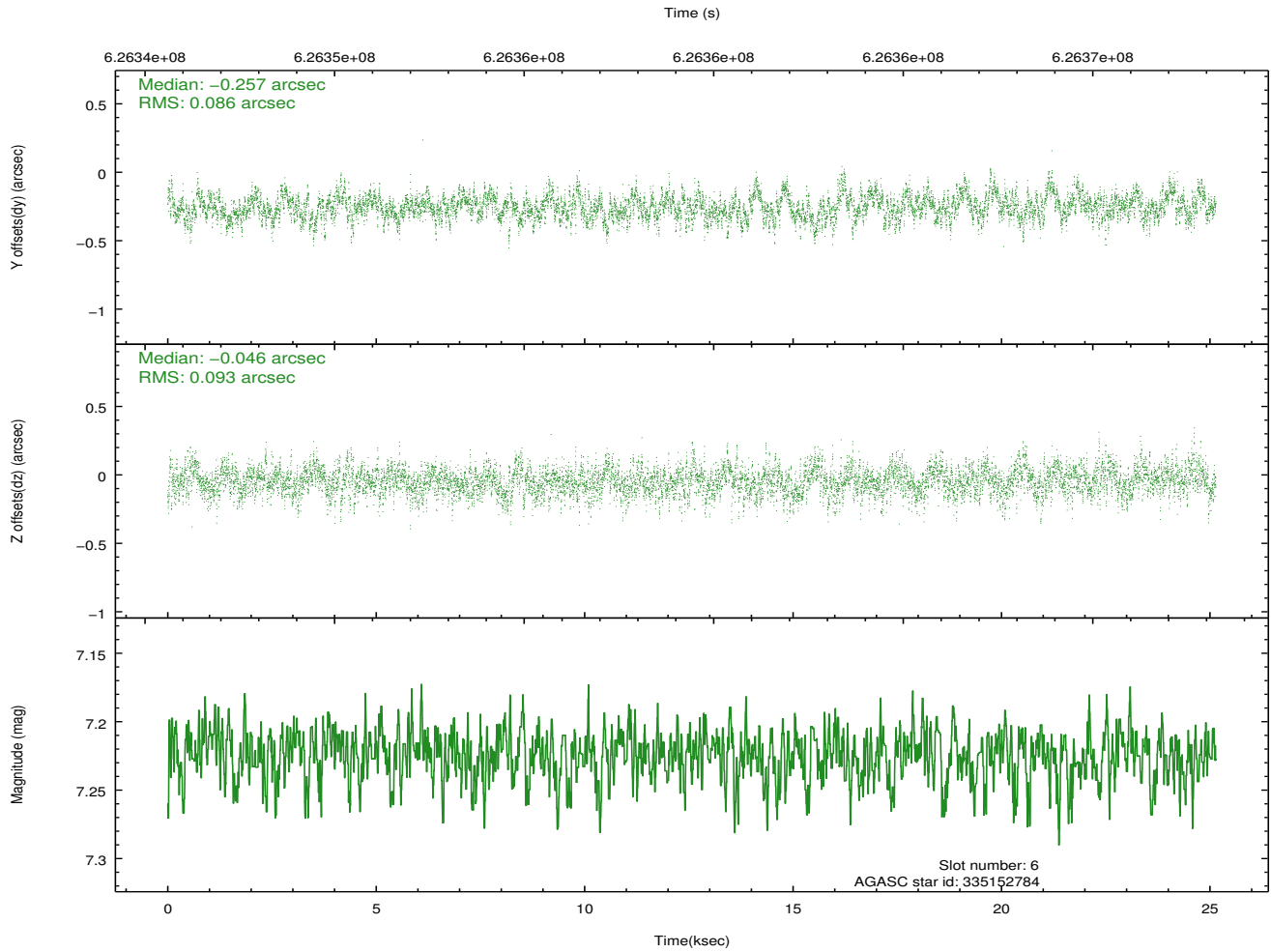
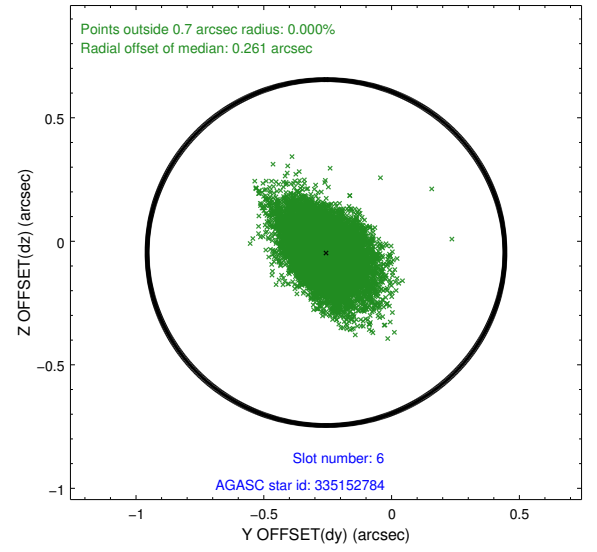
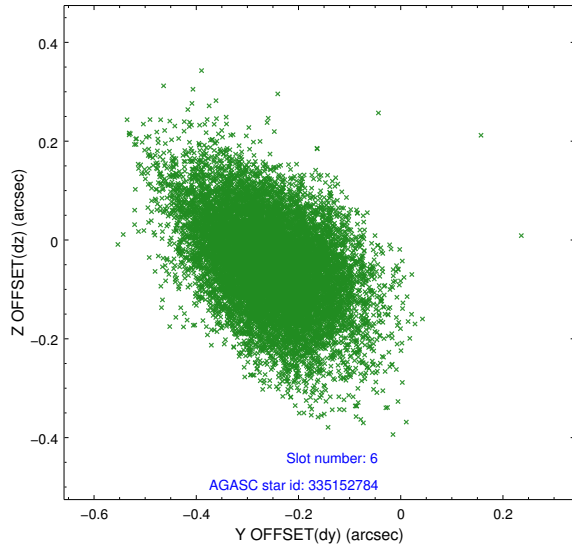
2.4.2 Slot 4



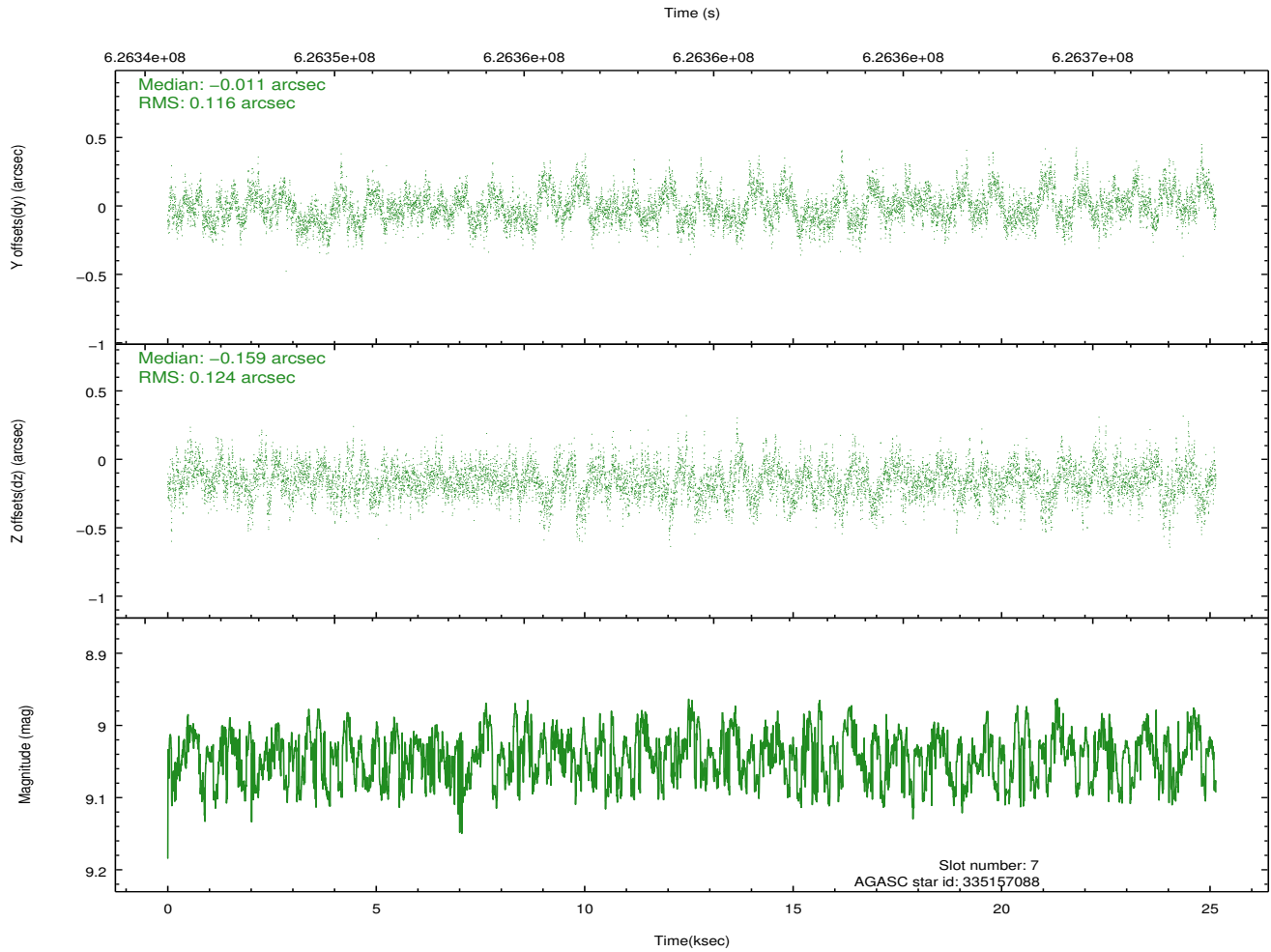
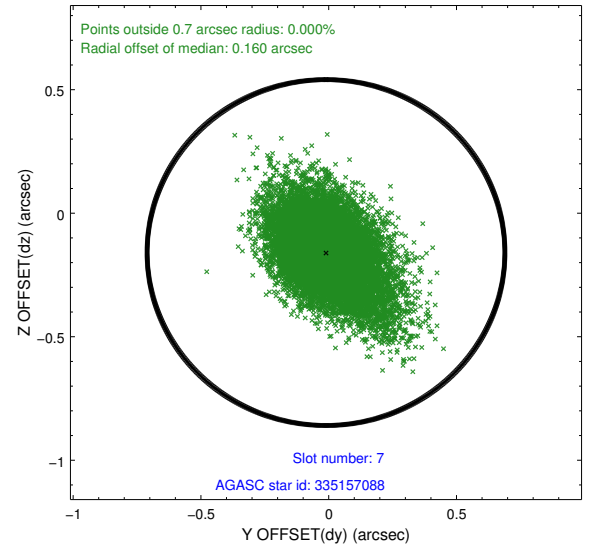
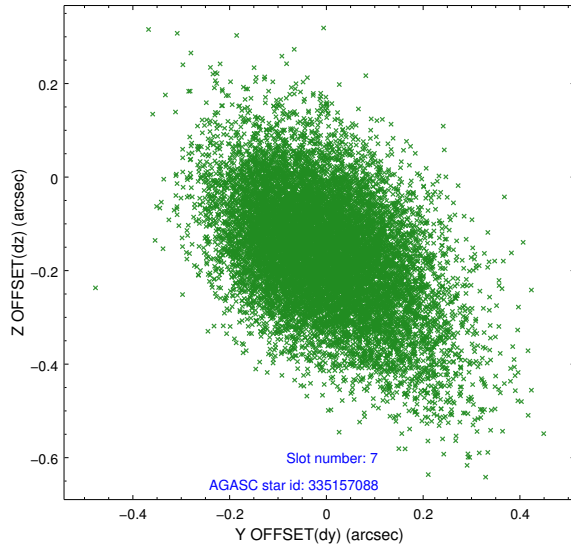
2.4.3 Slot 5



2.4.4 Slot 6

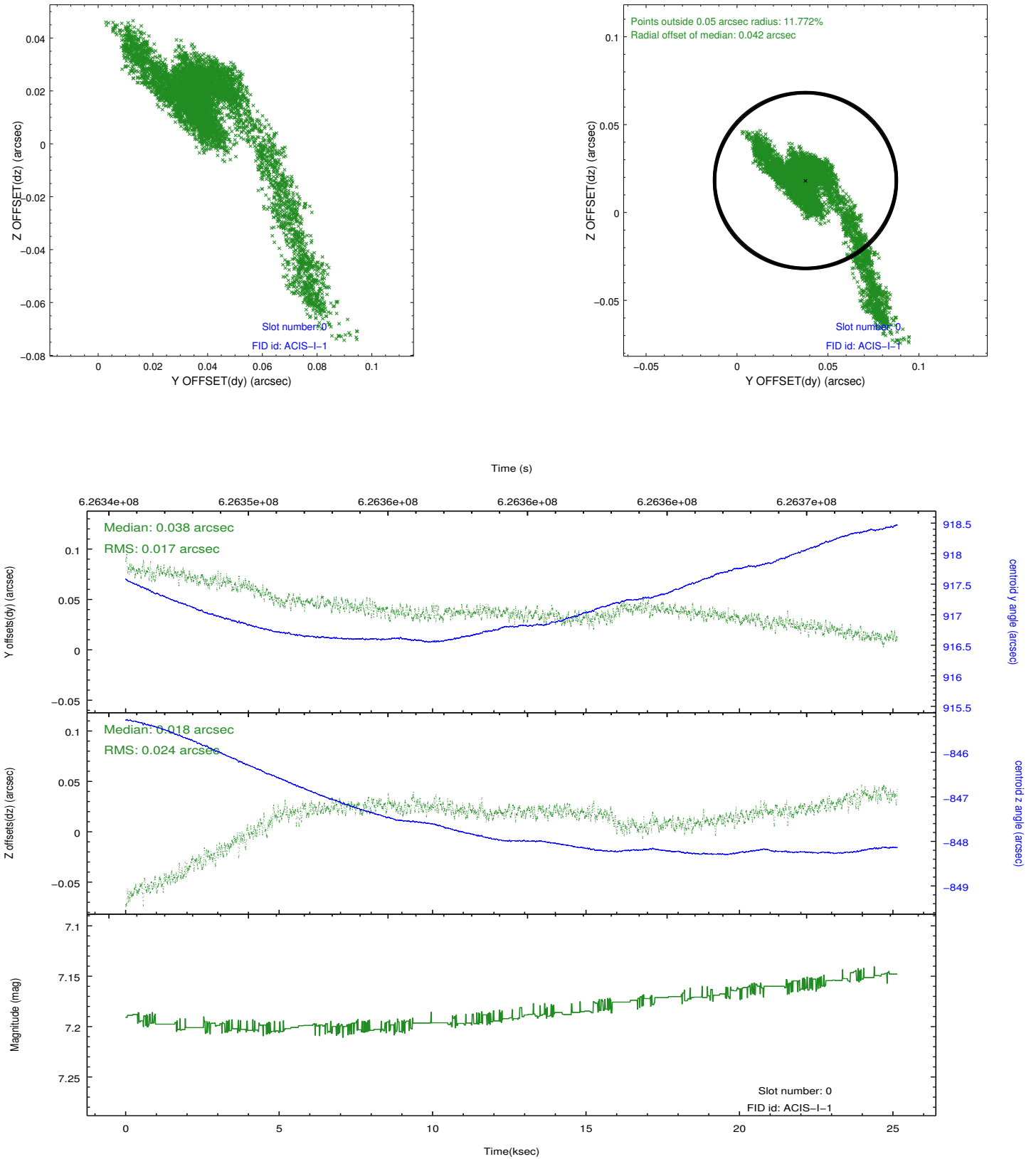


2.4.5 Slot 7

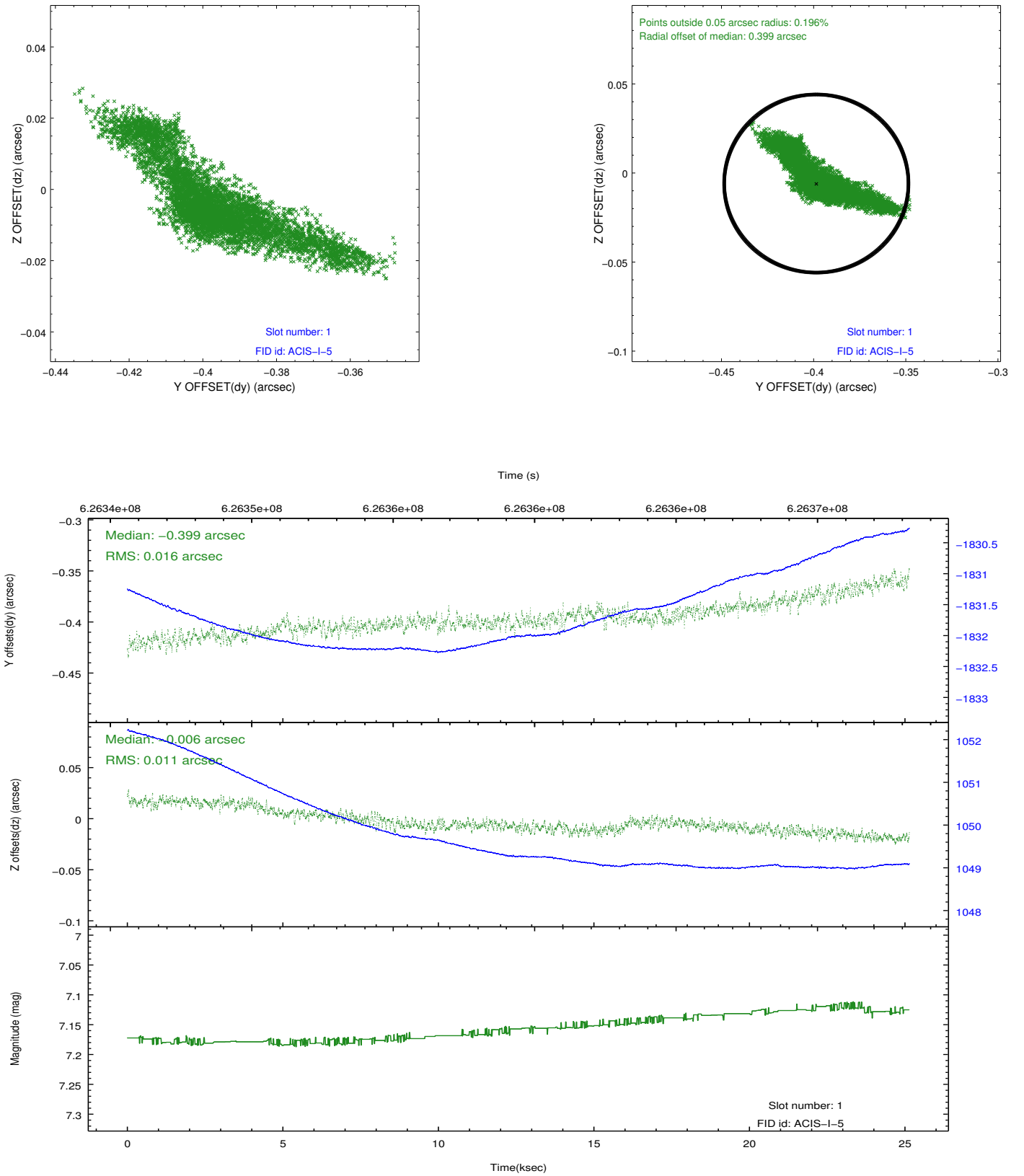


2.5 FID Slots

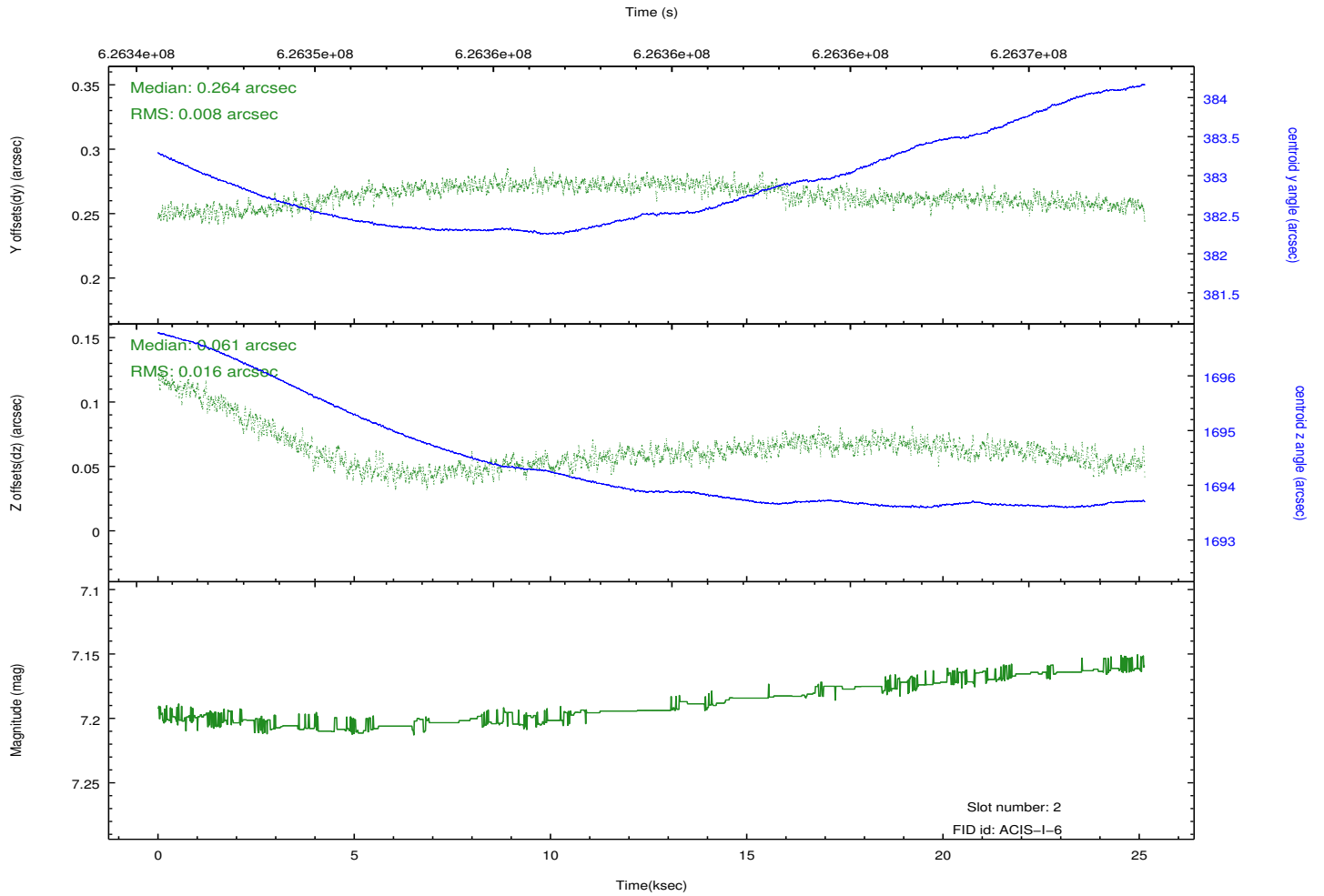
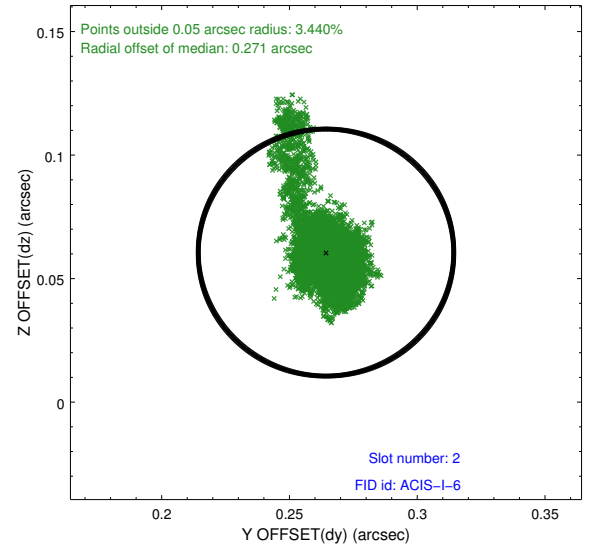
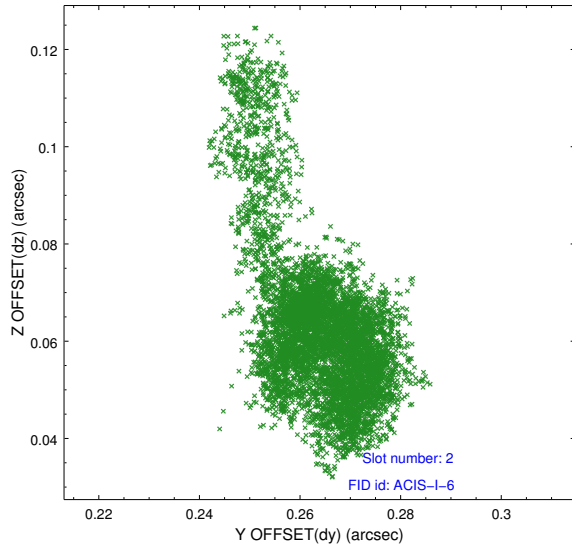
2.5.1 Slot 0



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)	2017.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.056226453424

A.2 Comments