

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 17180 - L2 Version 1
Chandra X-Ray Center

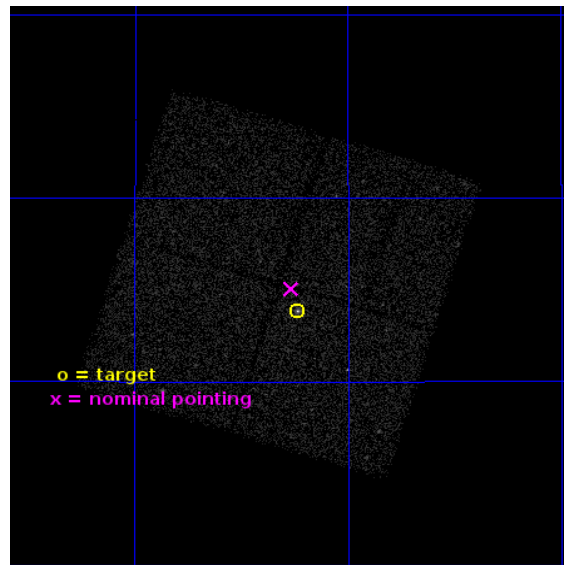
L2 Processing Date : Dec 20 2015

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1 Front

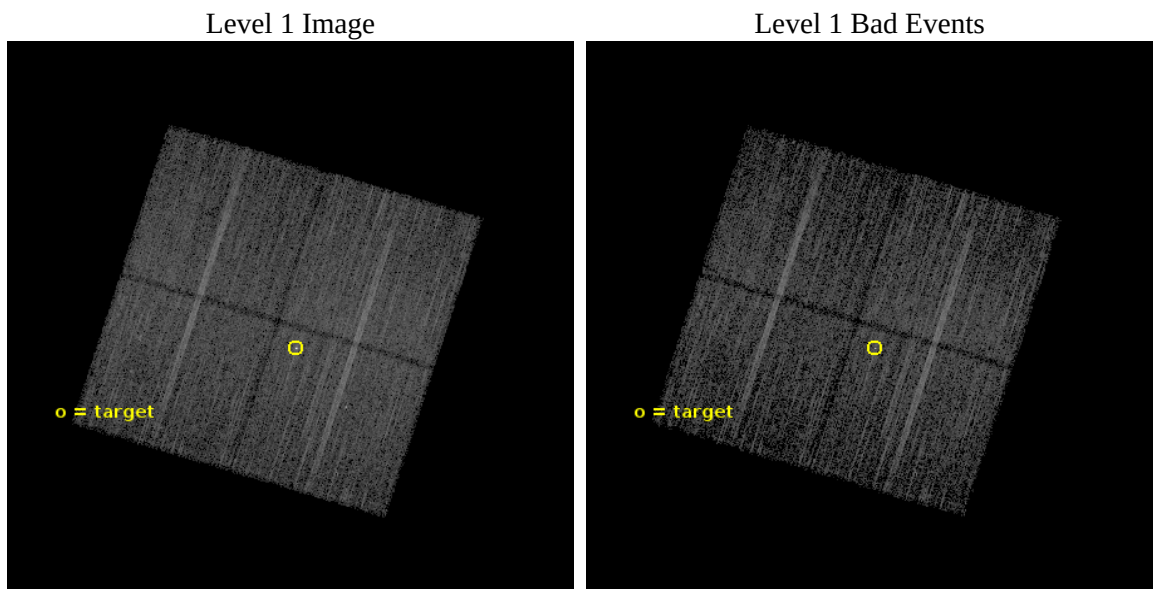
seq_num	801463	Sequence number
obs_id	17180	Observation id
title	UNMASKING GALAXY CLUSTERS MASQUERADING AS QUASARS	Proposal title
observer	Megan Donahue	Principal investigator
object	RXCJ082814.5+415359	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.059167	Observer's specified target RA [deg]
dec_targ	41.89775	Observer's specified target Dec [deg]
ra_nom	127.06617864265	Nominal RA [deg]
dec_nom	41.917763611881	Nominal Dec [deg]
roll_nom	107.32040896337	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16648.872712731	Sum of GTIs [s]
livetime	16431.342934018	Livetime [s]
ontime0	16648.749582887	Sum of GTIs [s]
ontime1	16651.931712985	Sum of GTIs [s]
ontime2	16651.972753048	Sum of GTIs [s]
ontime3	16648.872712731	Sum of GTIs [s]
l2events	34977	Number of level 2 events



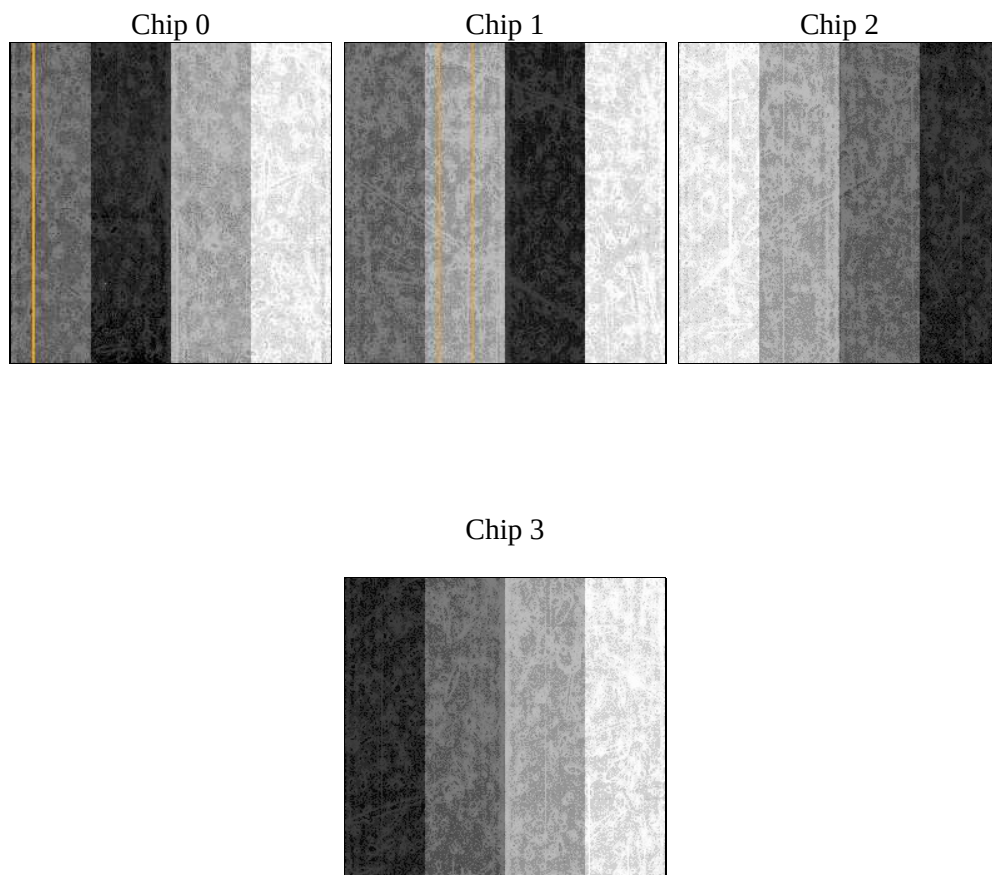
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16569.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	16648.872712731	Sum of GTIs [s]
caldbver	4.7.0	 	ontime0	16648.749582887	Sum of GTIs [s]
date	2015-12-20T23:19:56	Date and time of file creation	ontime1	16651.931712985	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	16651.972753048	Sum of GTIs [s]
			ontime3	16648.872712731	Sum of GTIs [s]
			l1events	339186	Number of level 1 events

2.1.4 Events

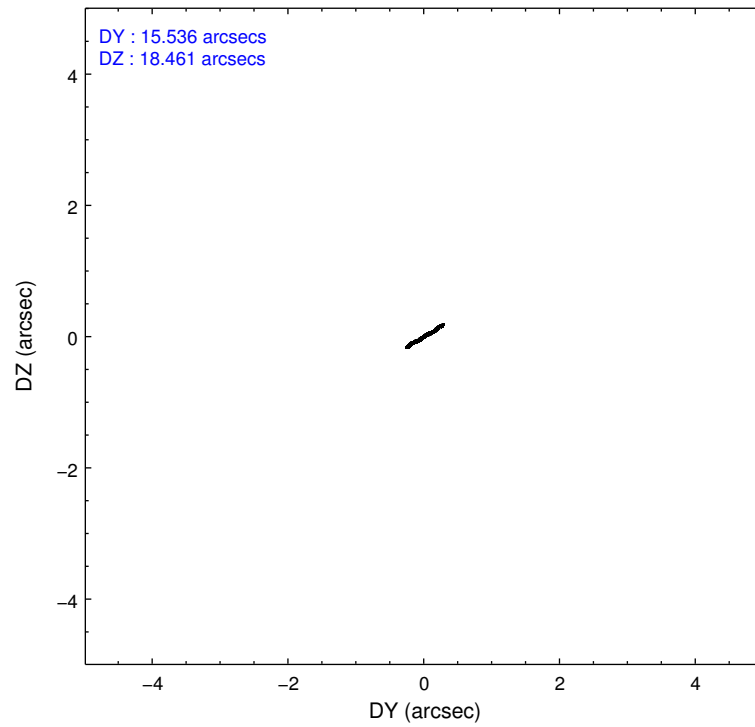
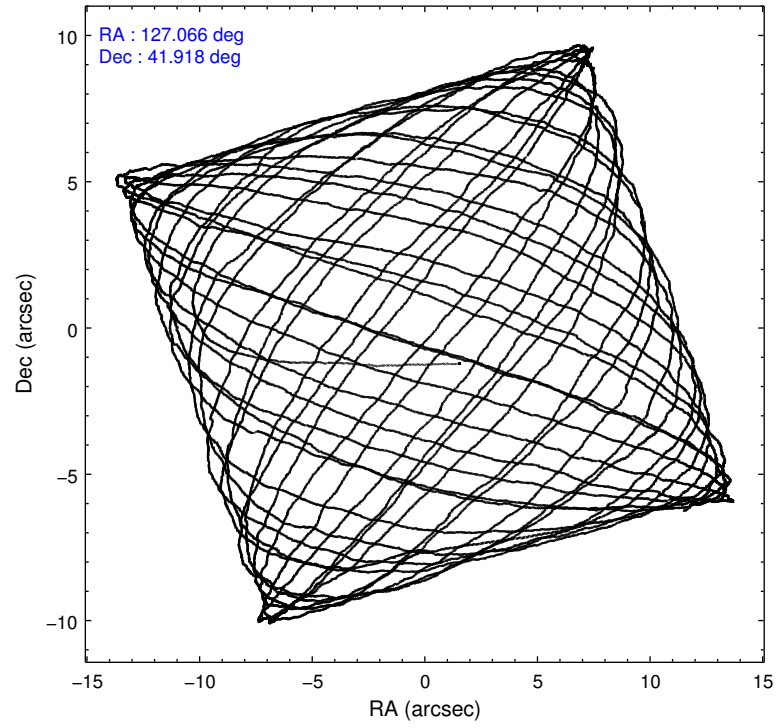
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	79022	80182	92446	87536
rejected events	69703	70141	83369	74862
rejected %	88%	87%	90%	85%

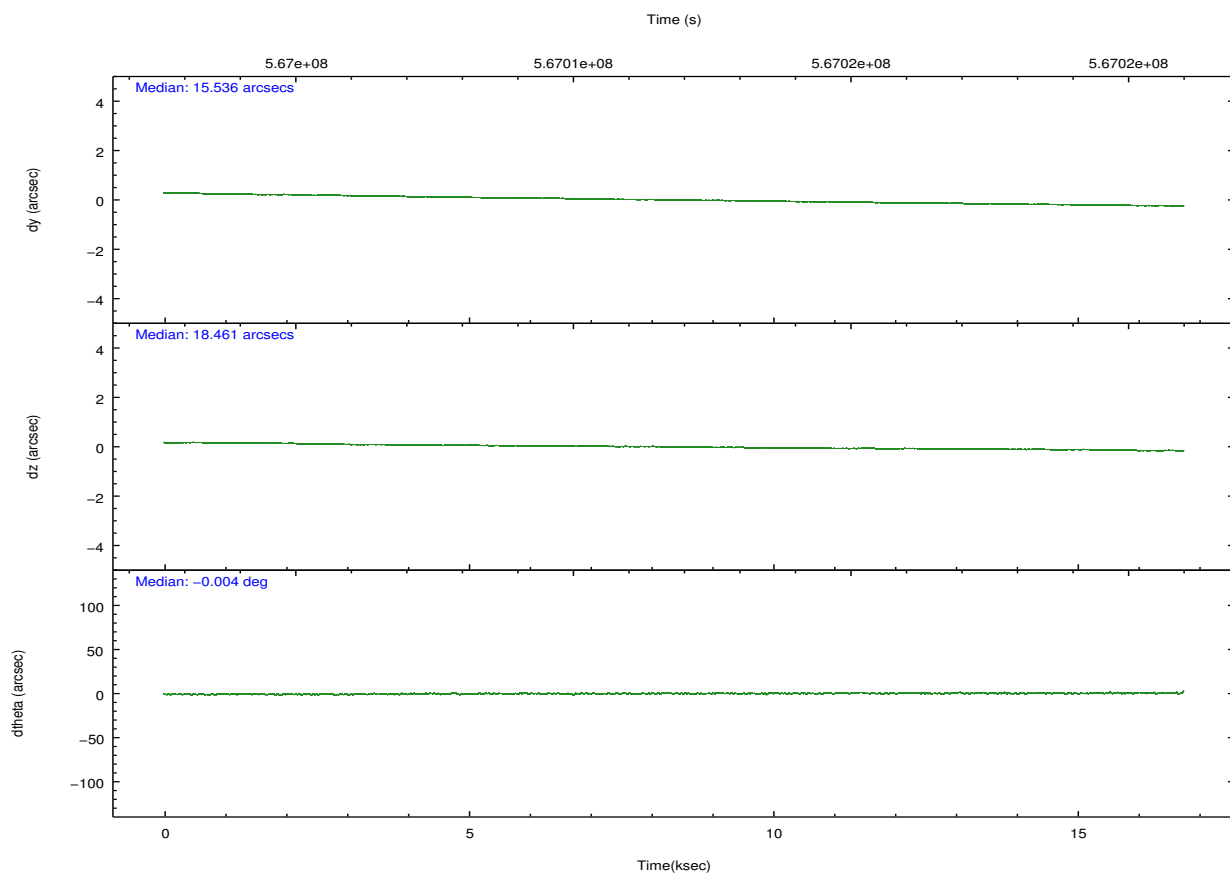
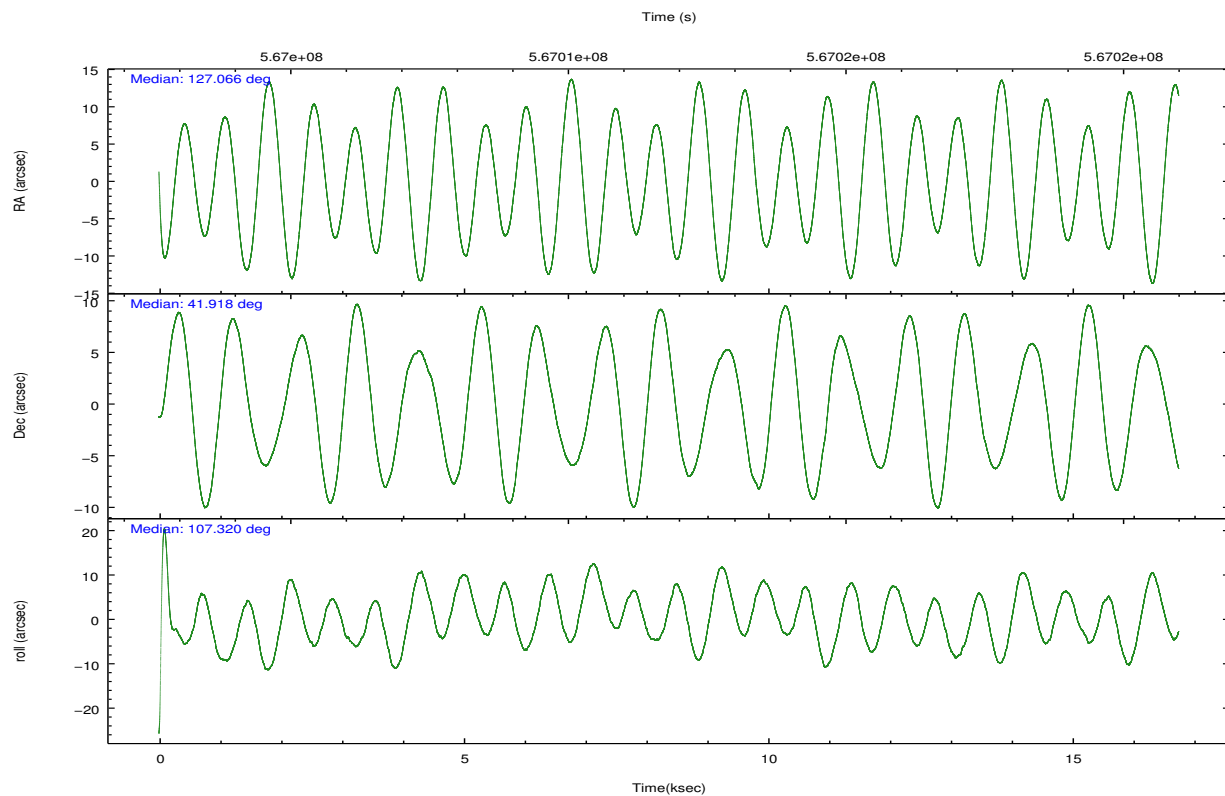
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3143	3279	3432	5926
	3%	4%	3%	6%
grade 1 events	48	37	54	322
	0%	0%	0%	0%
grade 2 events	2284	2439	2136	2456
	2%	3%	2%	2%
grade 3 events	996	973	905	1124
	1%	1%	0%	1%
grade 4 events	939	992	940	1107
	1%	1%	1%	1%
grade 5 events	3180	3316	2953	3755
	4%	4%	3%	4%
grade 6 events	1960	2363	1665	2063
	2%	2%	1%	2%
grade 7 events	66472	66783	80361	70783
	84%	83%	86%	80%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	127.093544	127.0661786426497	CCD I2 on	Y	Y
[deg] Pointing Dec	41.899093	41.91776361188123	CCD I3 on	Y	Y
[deg] Pointing Roll	107.093486	107.3204089633707	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	O1	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	567003619.184000	567002631.02114	CCD S5 on	N	N
Observation start date	2015-12-20T12:59:11	2015-12-20T12:43:51	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	567020188.184000	567021140.47219	On-chip summing requested	N	N
Observation end date	2015-12-20T17:35:20	2015-12-20T17:52:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



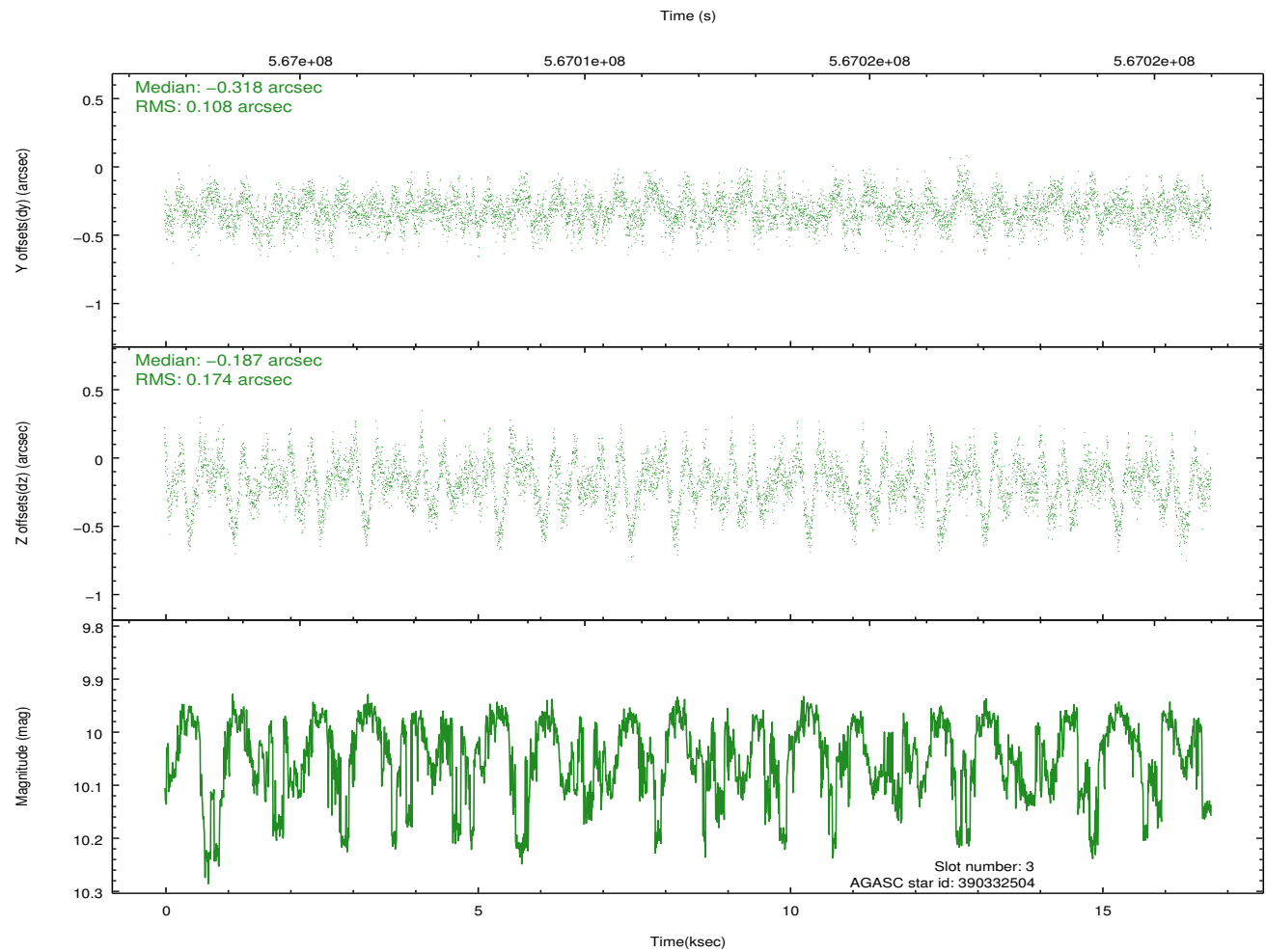
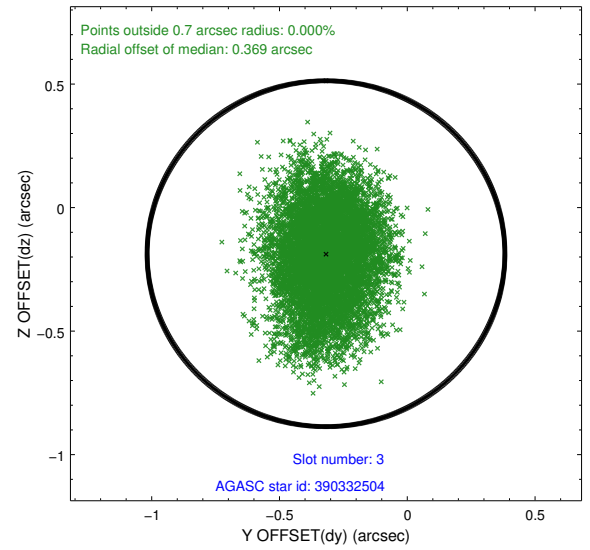
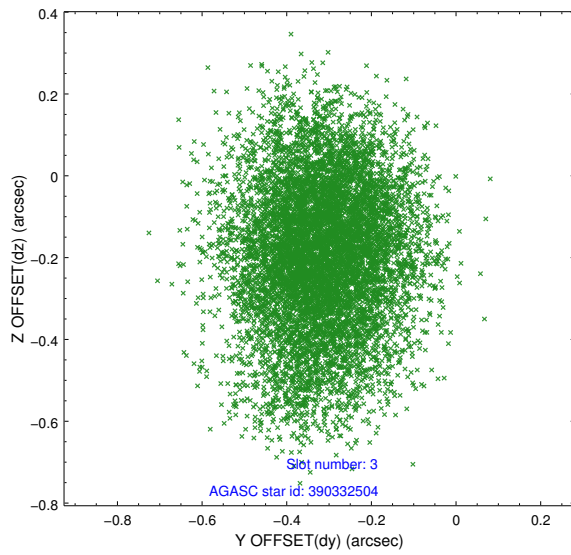


Slot Statistics

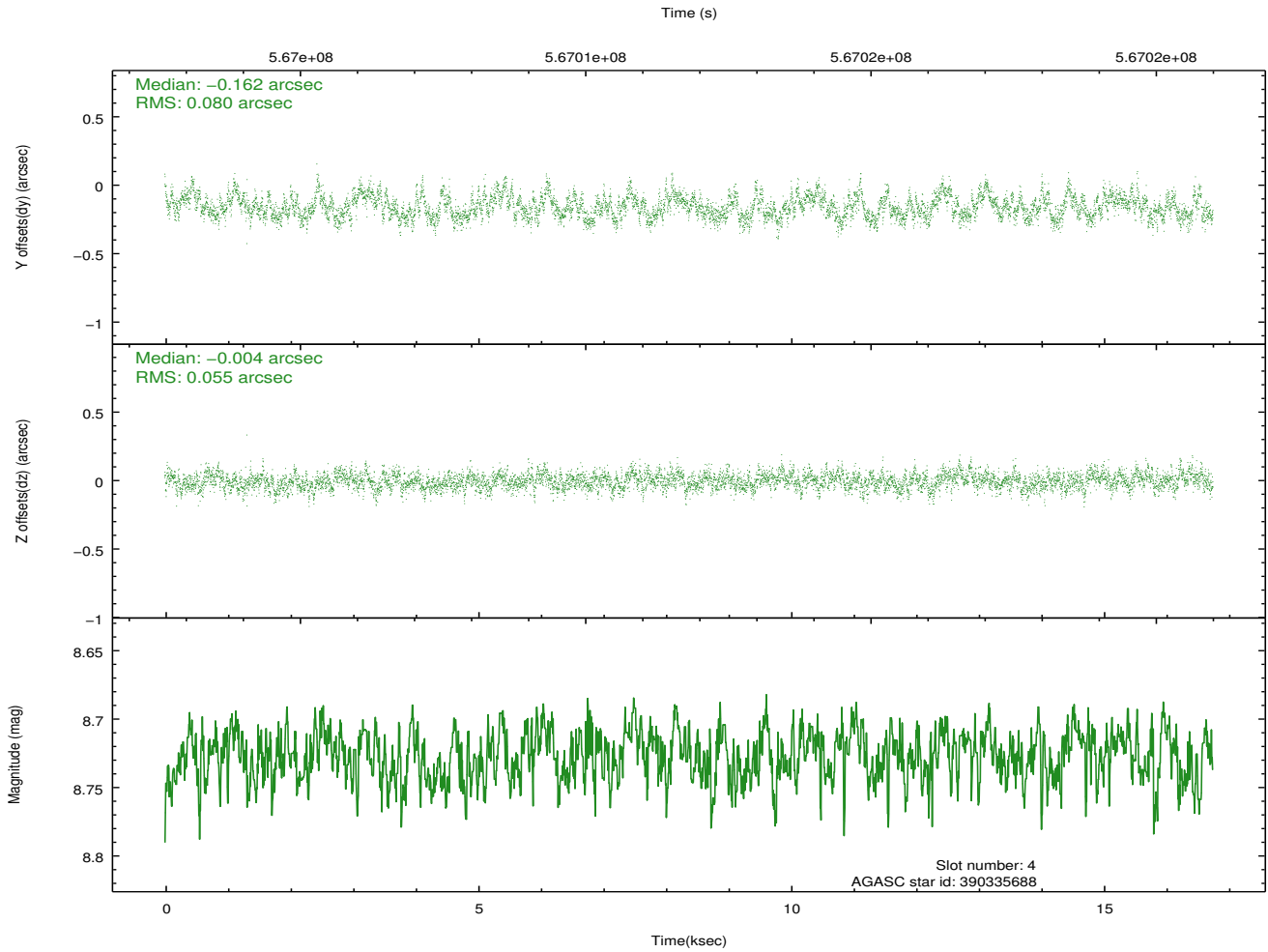
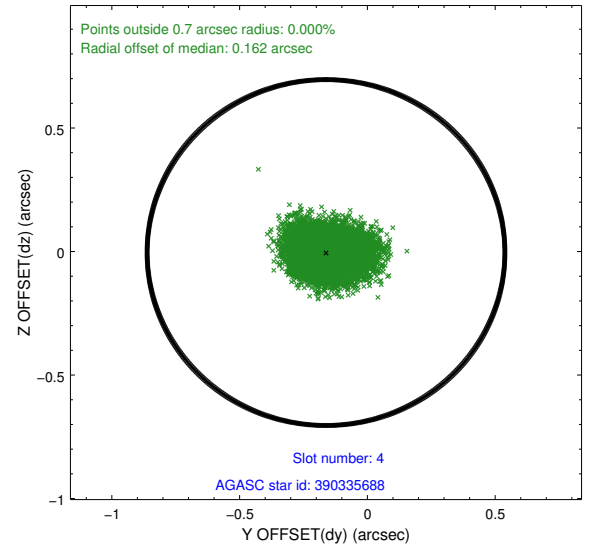
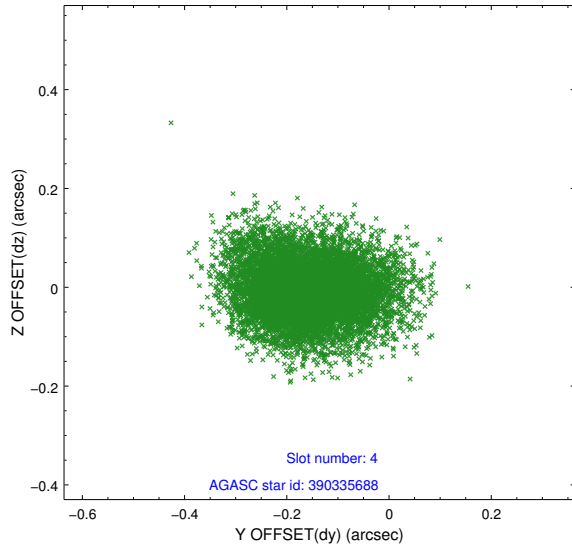
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.29	4086	0.083	-0.023	0.007	0.012	0.000000	0.000000	924.02	-842.13
1	FID		ACIS-I-5	7.30	4085	-0.366	0.046	0.008	0.013	0.000000	0.000000	-1824.48	1055.18
2	FID		ACIS-I-6	7.30	4086	0.191	0.048	0.009	0.015	0.000000	0.000000	389.29	1700.06
3	GUIDE	used	390332504	10.04	8048	-0.318	-0.187	0.217	0.363	126.711761	41.841877	106.18	1038.66
4	GUIDE	used	390335688	8.73	8168	-0.162	-0.004	0.103	0.169	127.403045	42.485204	1776.58	-1405.47
5	GUIDE	used	390336360	8.58	8167	0.086	-0.129	0.102	0.162	126.997075	41.715446	-555.54	442.72
6	GUIDE	used	390336640	8.59	8170	0.119	0.294	0.090	0.140	127.839421	41.835084	-800.17	-1846.12
7	GUIDE	used	390339872	9.75	8133	0.265	0.037	0.208	0.341	127.210009	41.476526	-1545.80	146.83

2.4 Star Slots

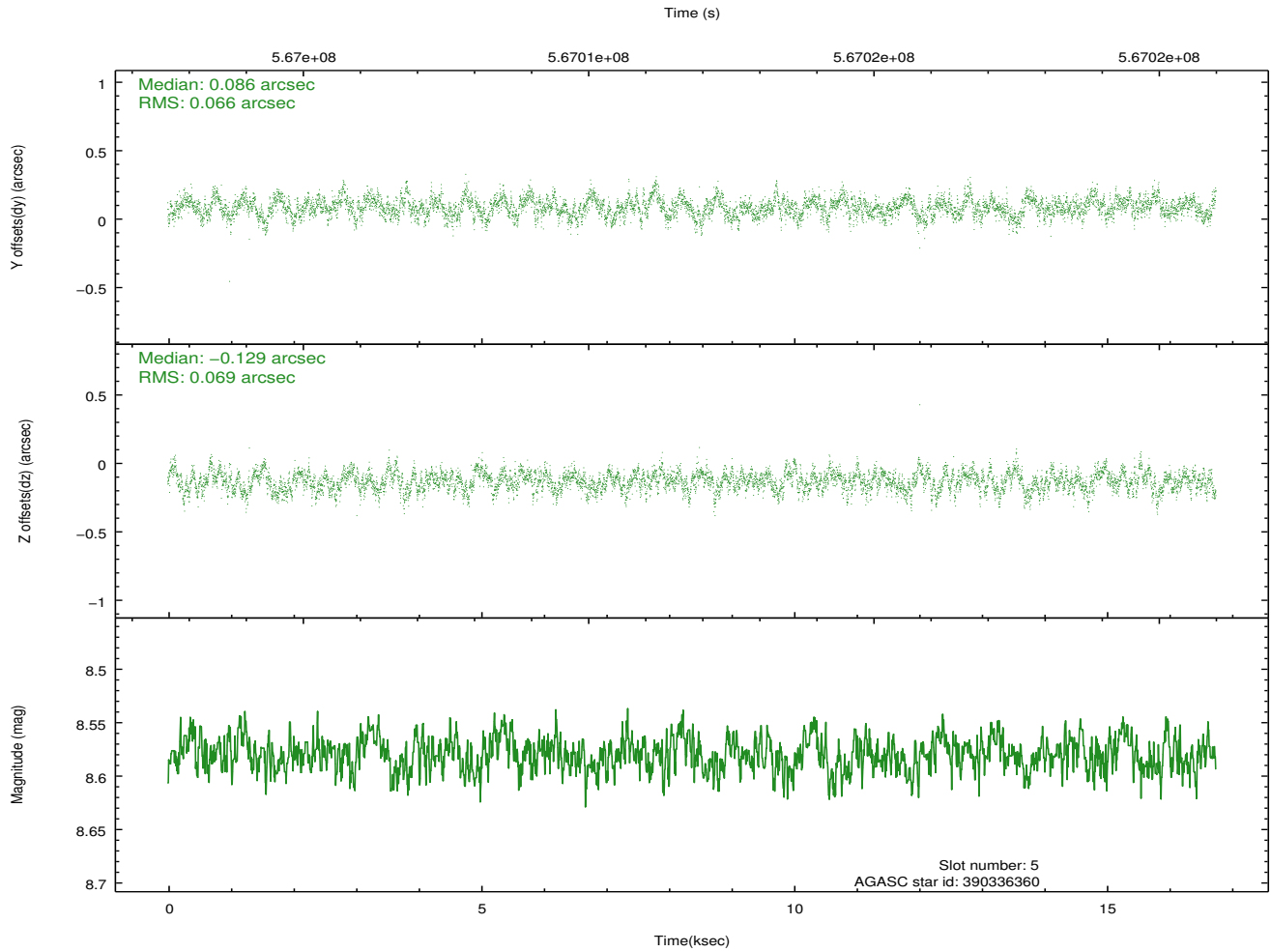
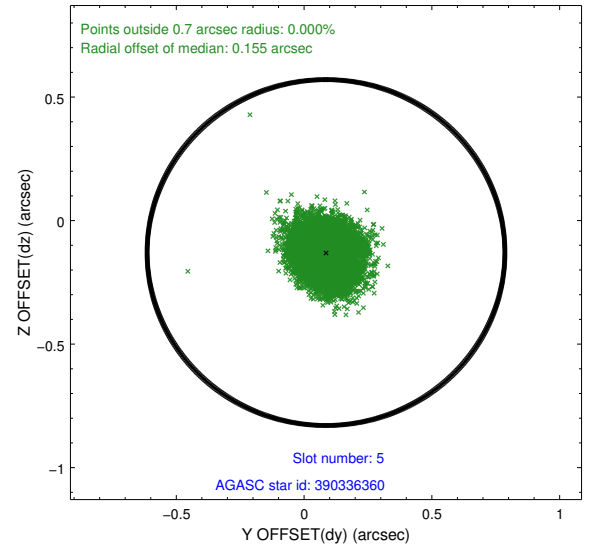
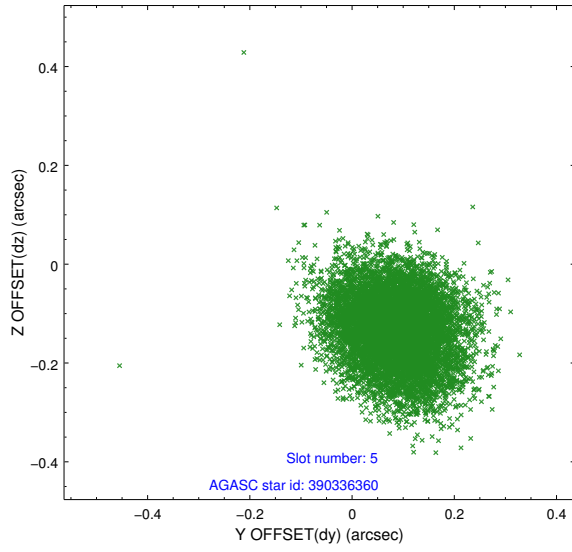
2.4.1 Slot 3



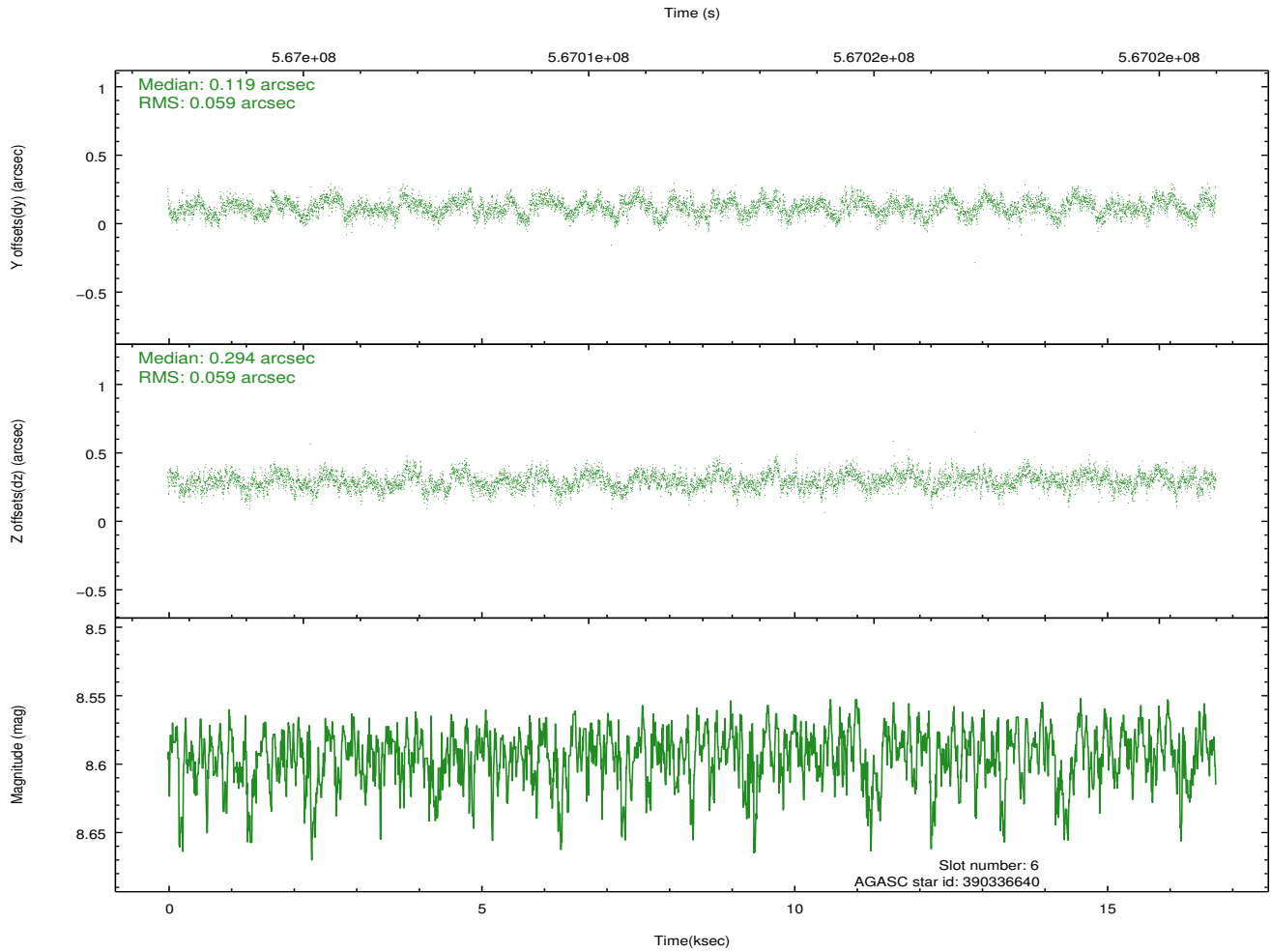
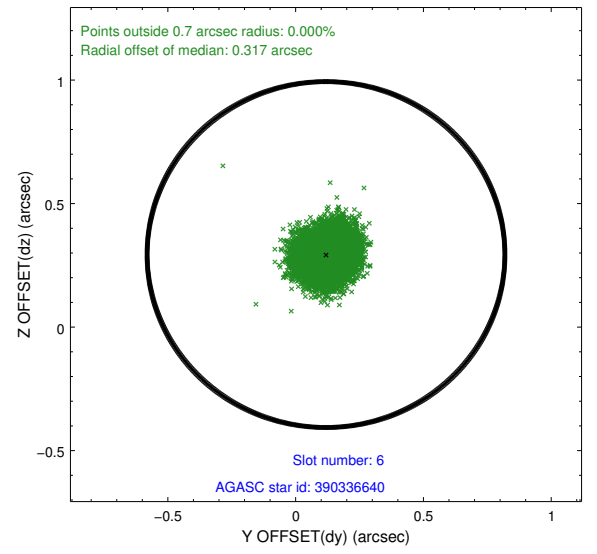
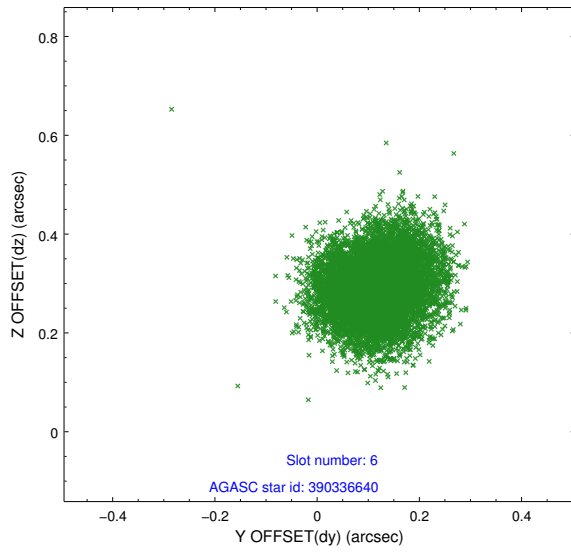
2.4.2 Slot 4



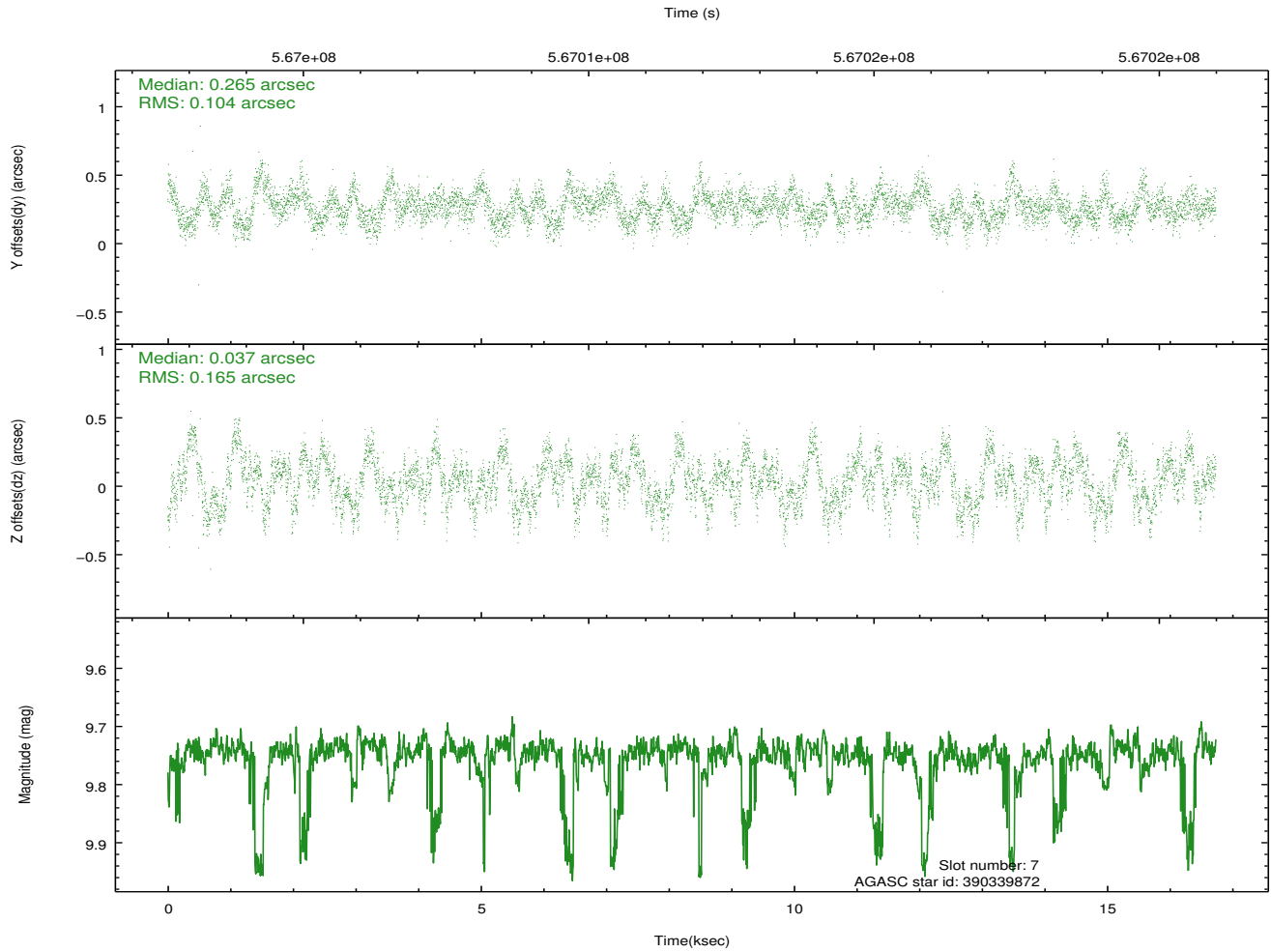
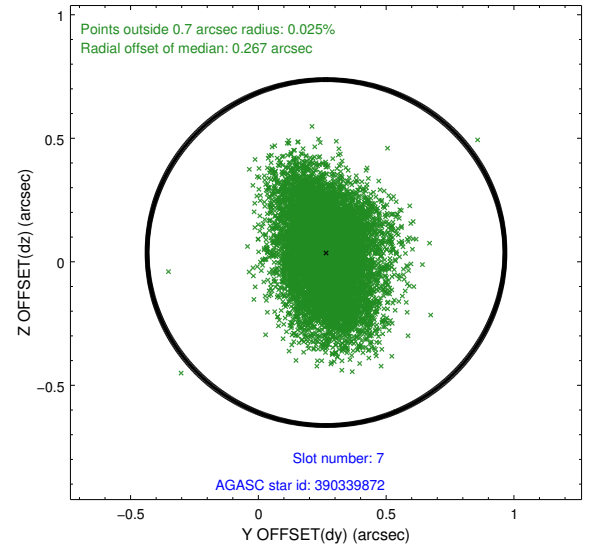
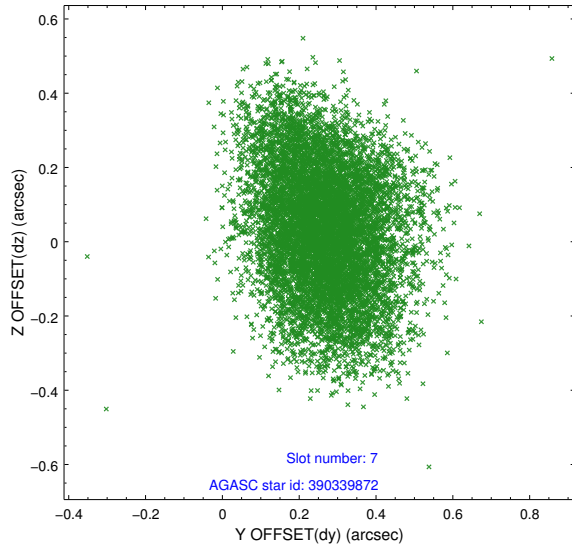
2.4.3 Slot 5



2.4.4 Slot 6

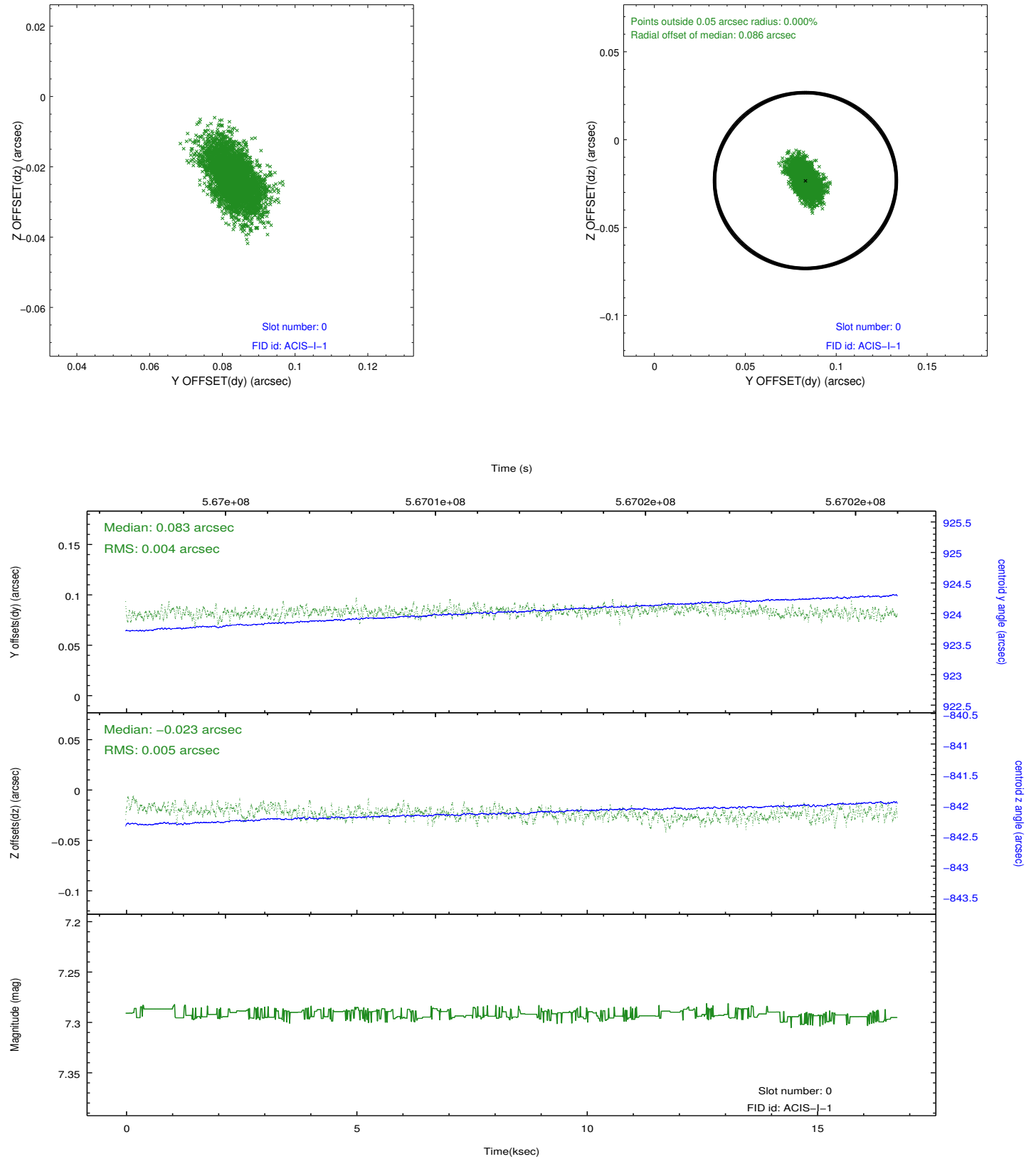


2.4.5 Slot 7

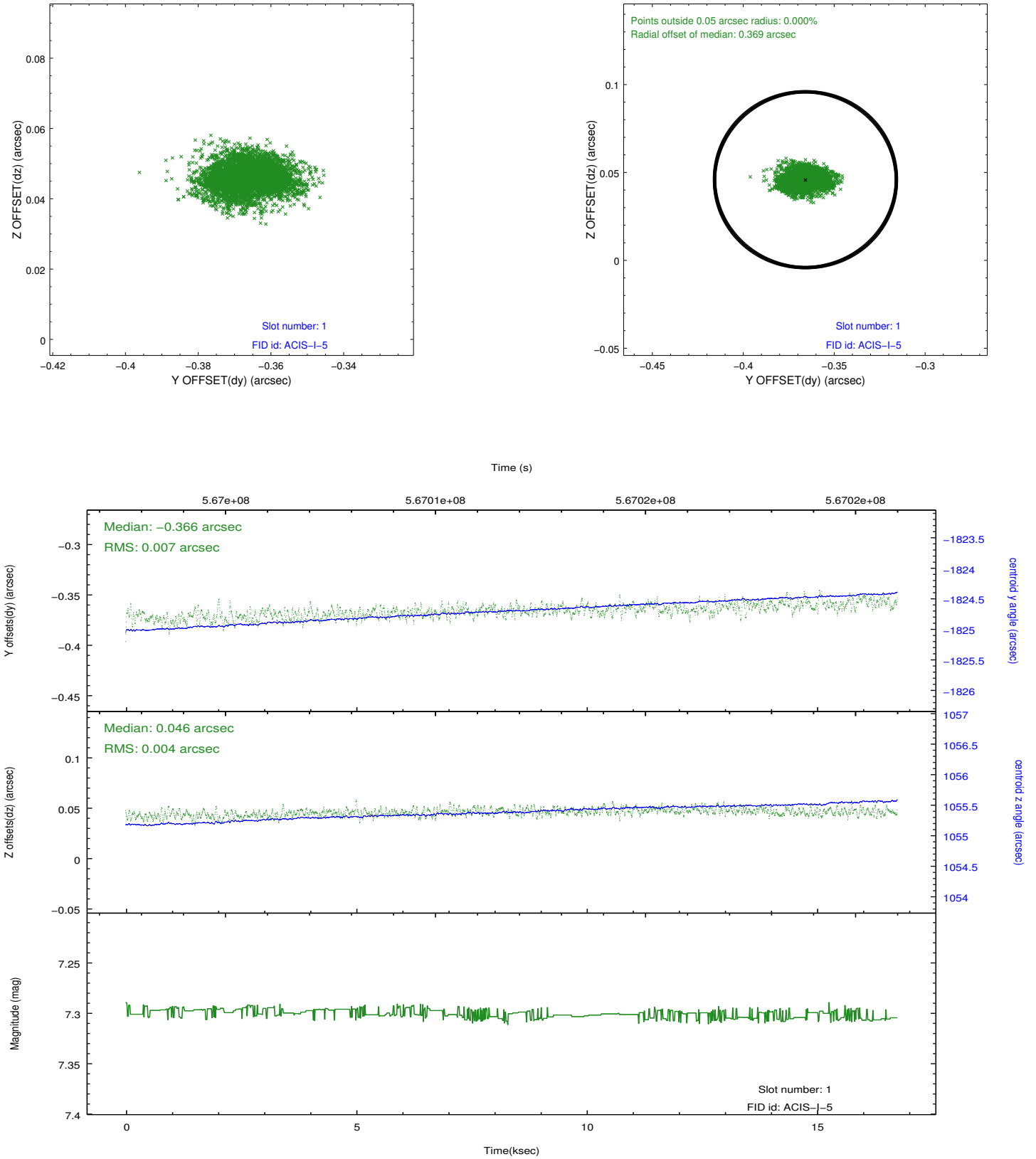


2.5 FID Slots

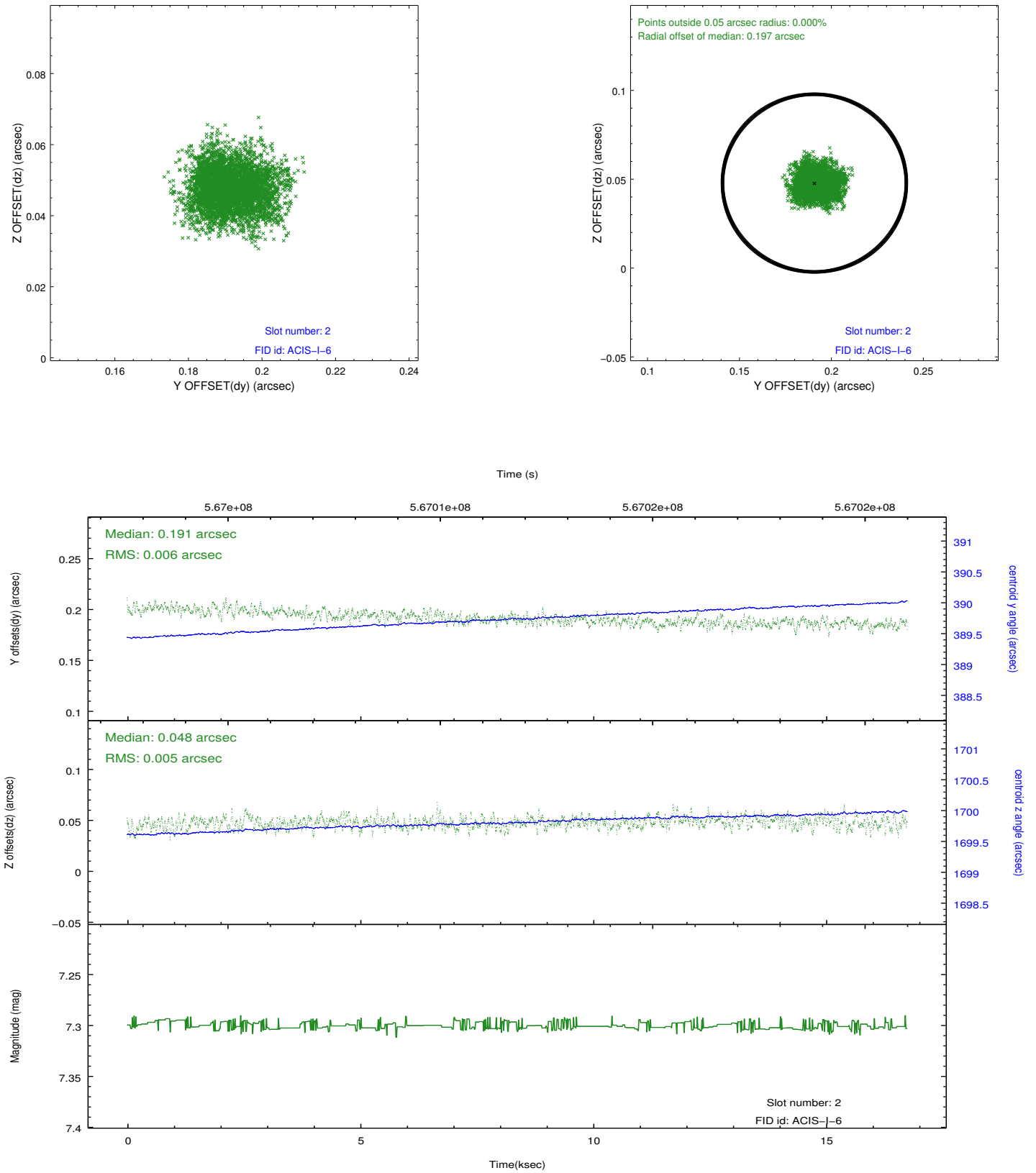
2.5.1 Slot 0



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)	2015.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.648872712731

A.2 Comments

Optional chip S2 not used.