

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18464 - L2 Version 1
Chandra X-Ray Center

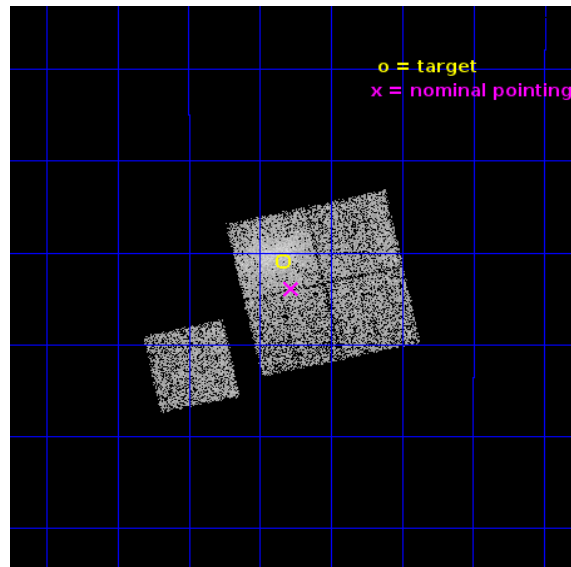
L2 Processing Date : Apr 22 2016

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1 Front

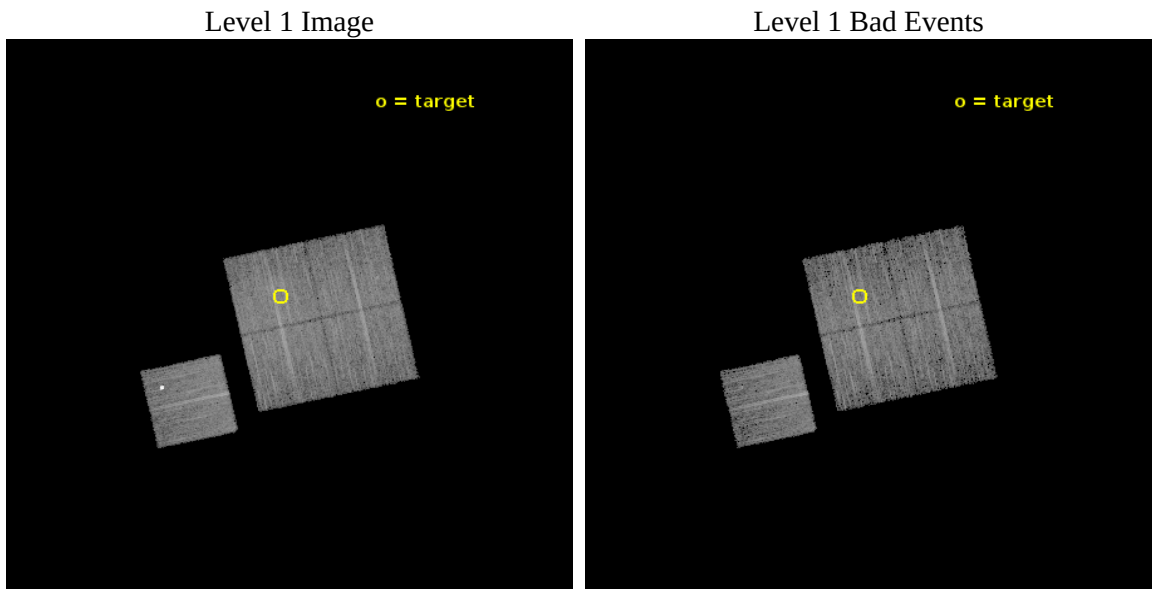
seq_num	801623	Sequence number
obs_id	18464	Observation id
title	Completing Chandra Snapshots of the Planck Cosmology Sample	Propos
observer	Ralph Kraft	Principal investigator
object	G282.08+54.04	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	180.708333	Observer's specified target RA [deg]
dec_targ	-6.848889	Observer's specified target Dec [deg]
ra_nom	180.6944924907	Nominal RA [deg]
dec_nom	-6.8988319686629	Nominal Dec [deg]
roll_nom	257.44542592419	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9052.0000697374	Sum of GTIs [s]
livetime	8933.7290248408	Livetime [s]
ontime0	9052.0000697374	Sum of GTIs [s]
ontime1	9052.0000697374	Sum of GTIs [s]
ontime2	9048.8590095043	Sum of GTIs [s]
ontime3	9052.0000697374	Sum of GTIs [s]
ontime6	9045.717949152	Sum of GTIs [s]
l2events	30747	Number of level 2 events



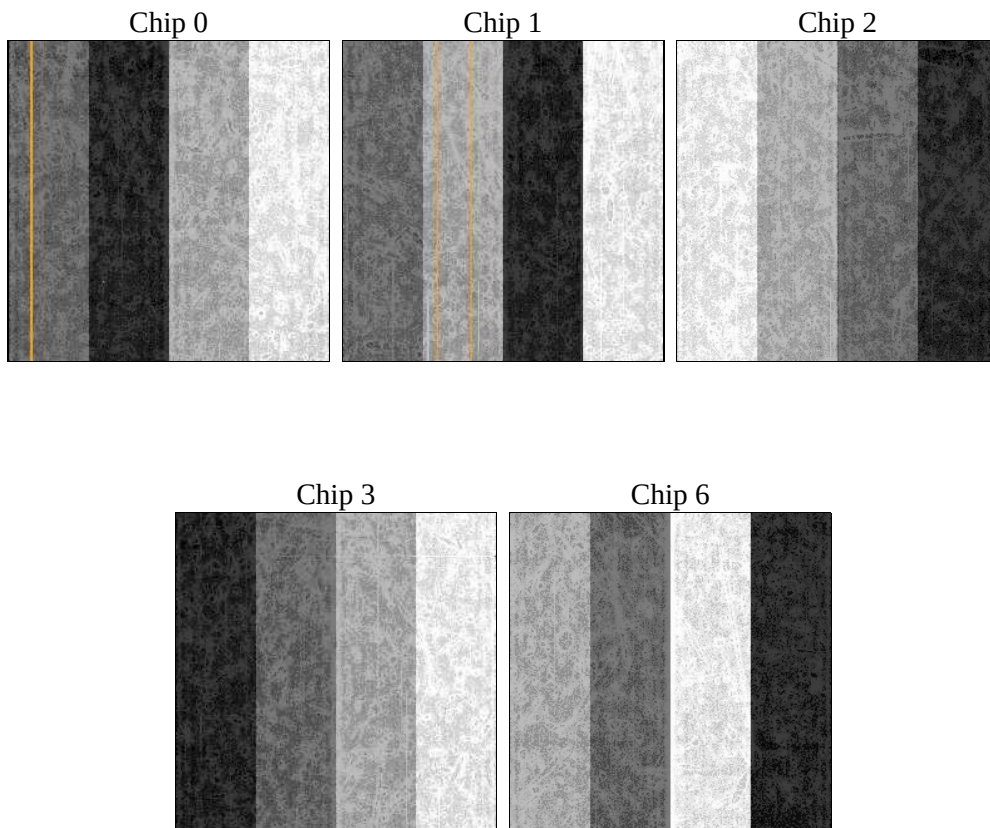
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	9052.0000697374	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	9052.0000697374	Sum of GTIs [s]
date	2016-04-22T22:29:52	Date and time of file creation	ontime1	9052.0000697374	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	9048.8590095043	Sum of GTIs [s]
			ontime3	9052.0000697374	Sum of GTIs [s]
			ontime6	9045.717949152	Sum of GTIs [s]
			l1events	289461	Number of level 1 events

2.1.4 Events

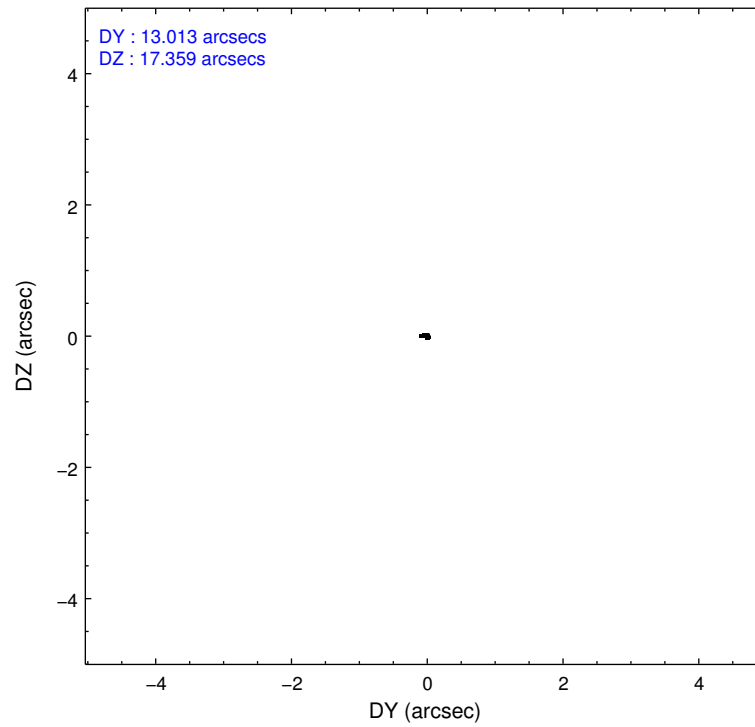
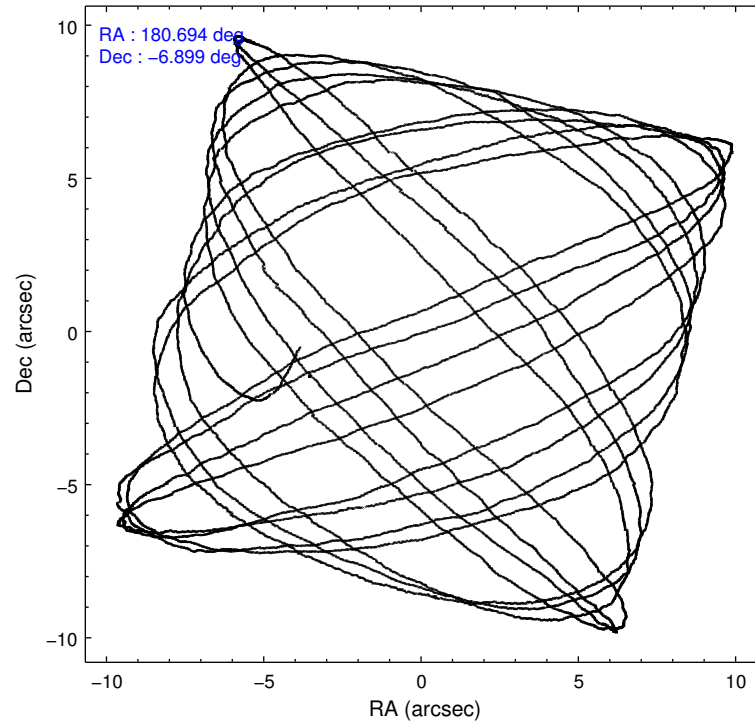
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	52249	54162	56756	61060	65234
rejected events	46034	47269	50747	50715	50768
rejected %	88%	87%	89%	83%	77%

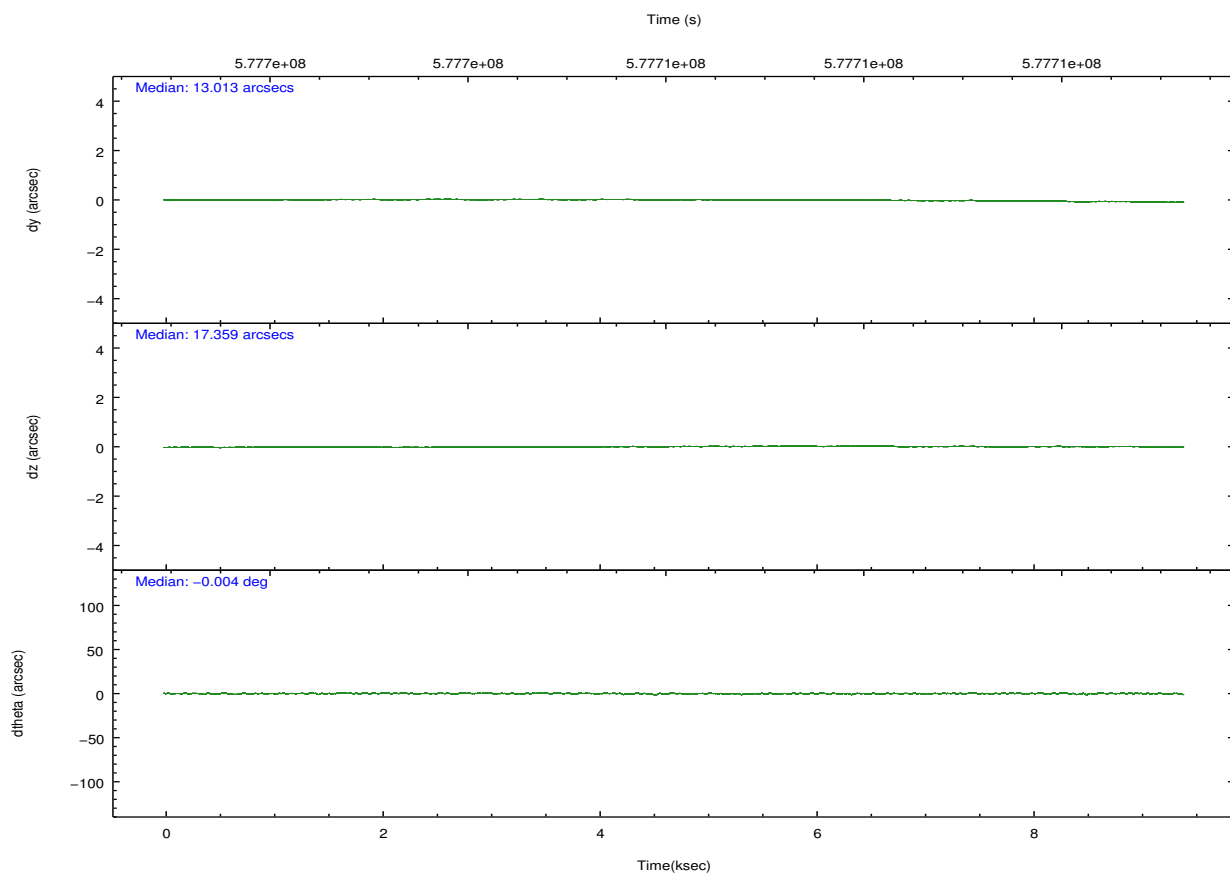
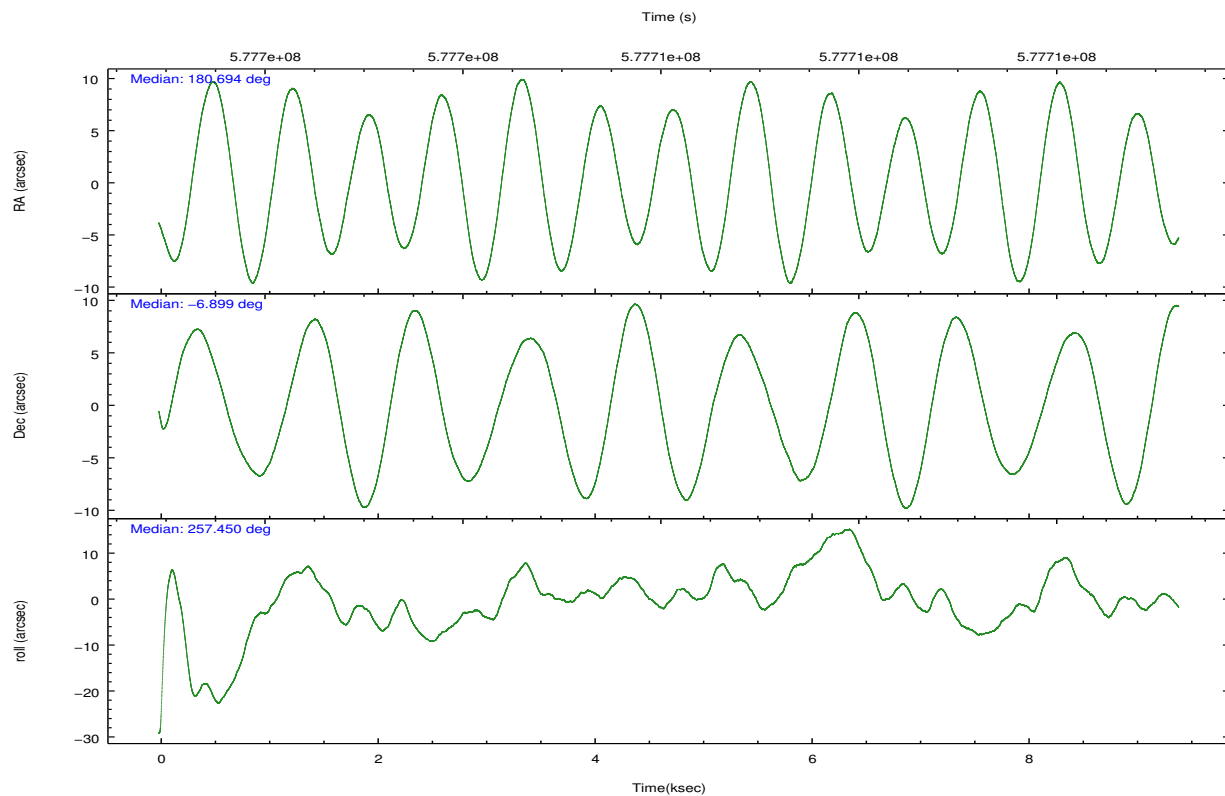
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2145	2401	2129	5769	4682
	4%	4%	3%	9%	7%
grade 1 events	39	38	39	46	36
	0%	0%	0%	0%	0%
grade 2 events	1437	1711	1435	1696	7020
	2%	3%	2%	2%	10%
grade 3 events	662	628	636	799	603
	1%	1%	1%	1%	0%
grade 4 events	616	602	654	748	587
	1%	1%	1%	1%	0%
grade 5 events	2343	2541	2229	2590	2520
	4%	4%	3%	4%	3%
grade 6 events	1357	1553	1160	1337	1577
	2%	2%	2%	2%	2%
grade 7 events	43650	44688	48474	48075	48209
	83%	82%	85%	78%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	180.686073	180.6944924906967	CCD I2 on	Y	Y
[deg] Pointing Dec	-6.872564	-6.898831968662856	CCD I3 on	Y	Y
[deg] Pointing Roll	257.235776	257.4454259241859	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	Y
[mm] SIM translation stage pos	-225.840463	-225.8433433320239	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.752	-7.749109670905796	CCD S4 on	N	N
[s] Observation start time (MET)	577701756.184000	577700708.77829	CCD S5 on	N	N
Observation start date	2016-04-22T08:41:28	2016-04-22T08:25:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	577710756.184000	577711546.61641	On-chip summing requested	N	N
Observation end date	2016-04-22T11:11:28	2016-04-22T11:25:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



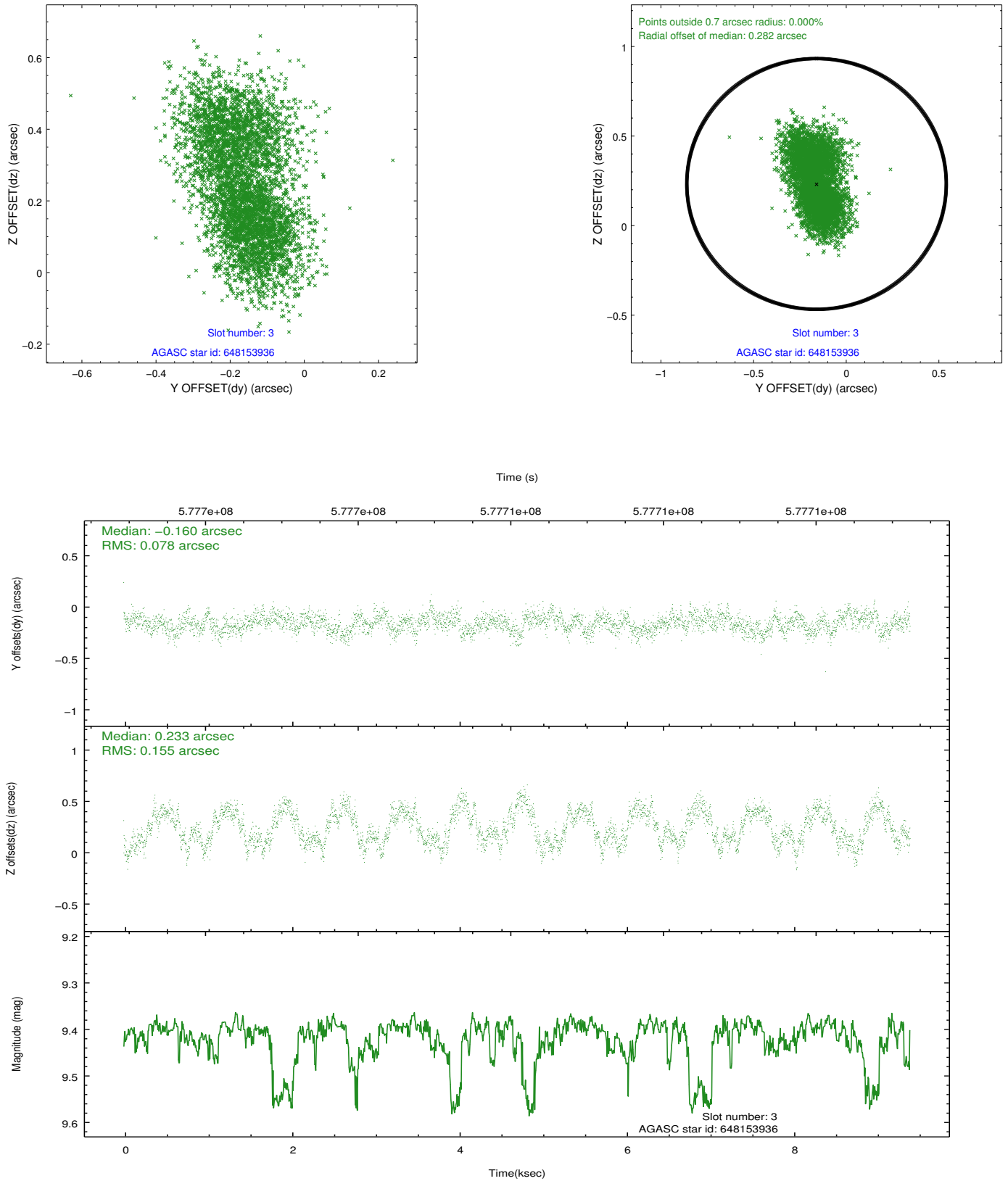


Slot Statistics

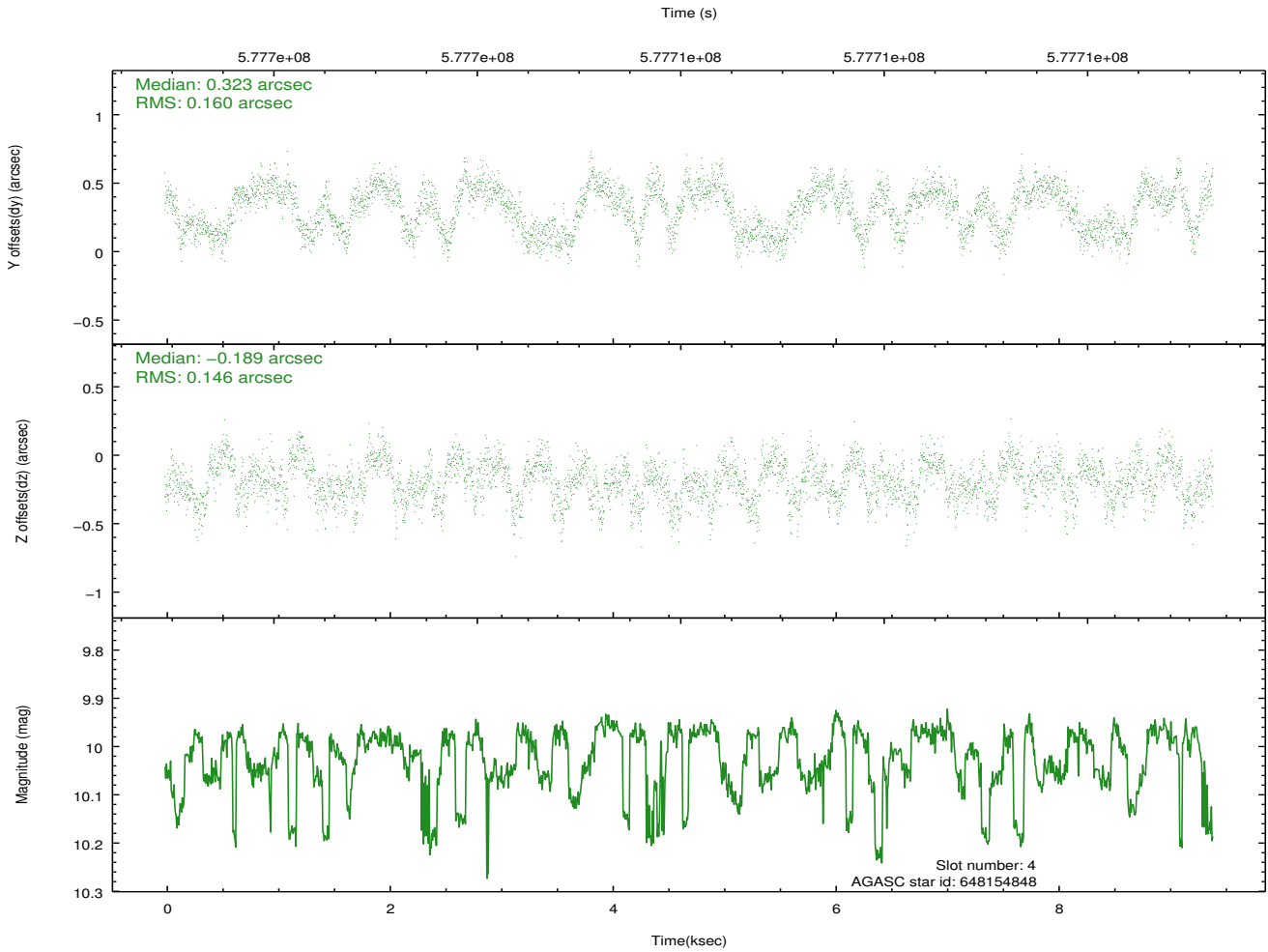
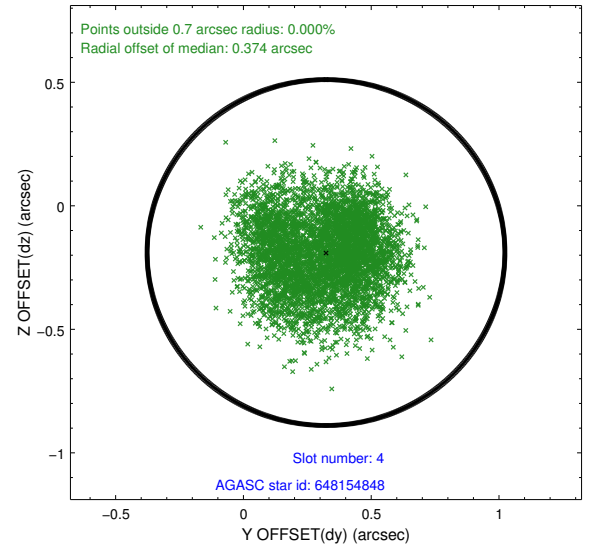
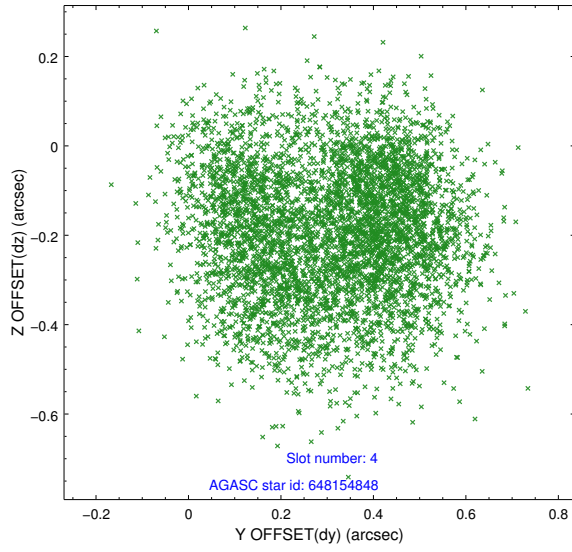
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	2293	0.157	-0.124	0.006	0.012	0.000000	0.000000	926.56	-1000.19
1	FID		ACIS-I-5	7.26	2293	-0.379	0.103	0.007	0.011	0.000000	0.000000	-1821.84	897.06
2	FID		ACIS-I-6	7.27	2293	0.131	0.092	0.007	0.011	0.000000	0.000000	391.36	1542.30
3	GUIDE	used	648153936	9.41	4582	-0.160	0.233	0.189	0.292	180.570616	-7.006545	562.03	-295.40
4	GUIDE	used	648154848	10.02	4581	0.323	-0.189	0.237	0.352	181.358755	-6.742106	-986.57	2242.10
5	GUIDE	used	648156104	9.69	4582	-0.077	-0.125	0.269	0.388	180.823426	-6.778823	-437.20	404.88
6	GUIDE	used	648158936	9.79	4577	0.018	0.212	0.245	0.393	180.206703	-7.054502	1019.59	-1524.89
7	GUIDE	used	648159104	9.19	4581	-0.073	-0.114	0.151	0.241	180.971351	-6.928701	-27.02	1038.74

2.4 Star Slots

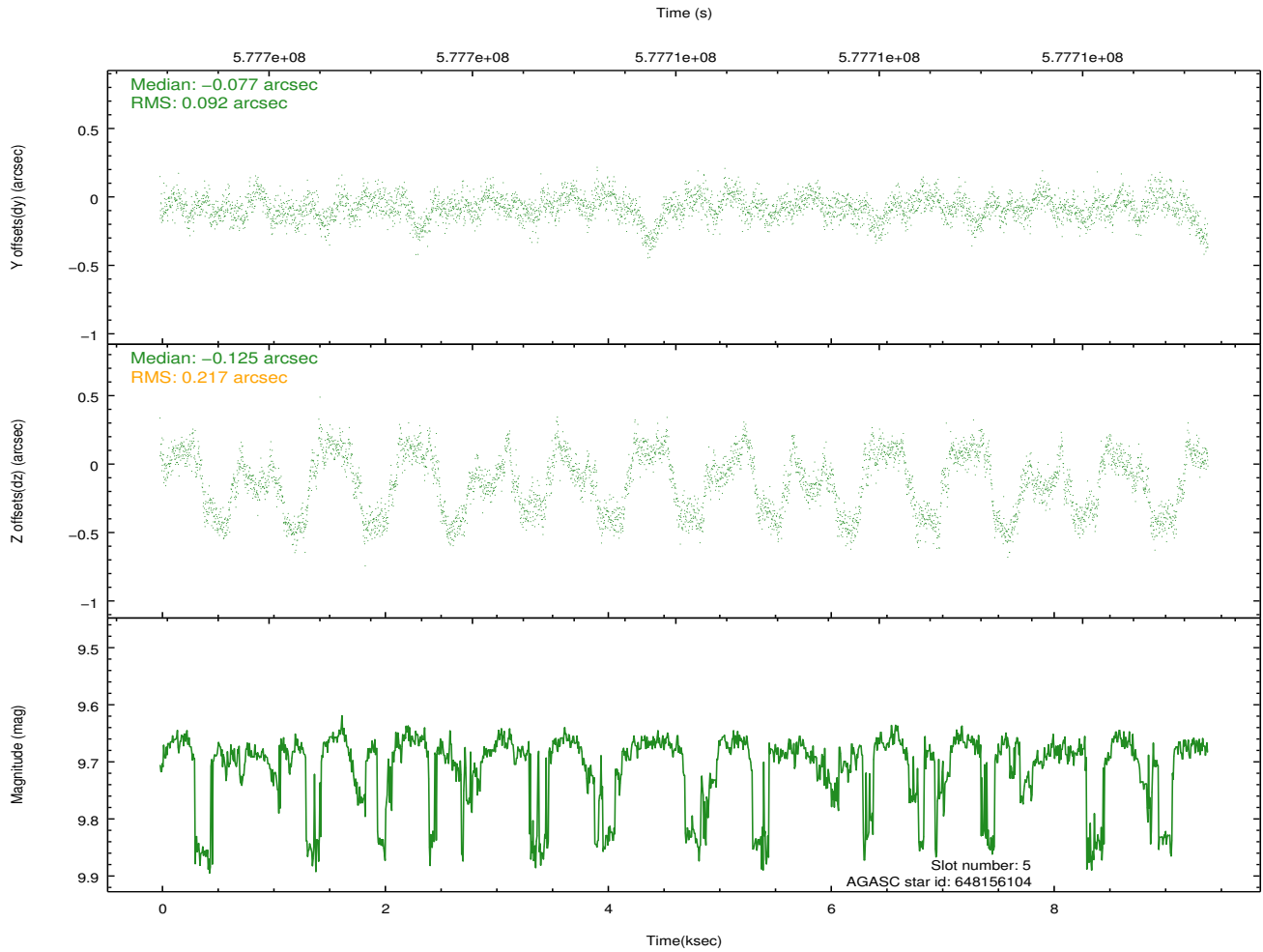
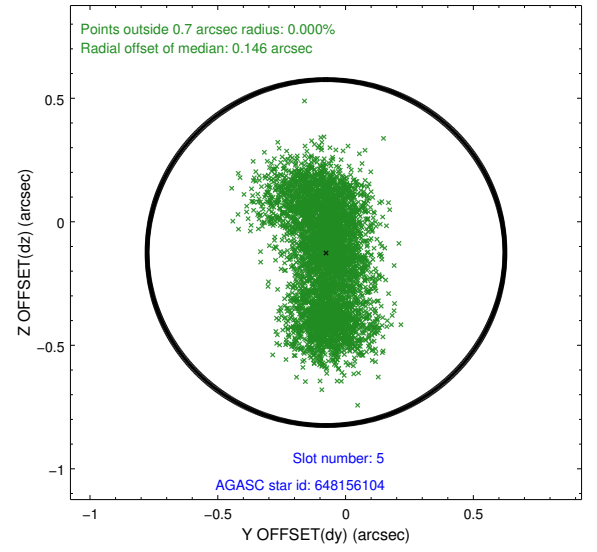
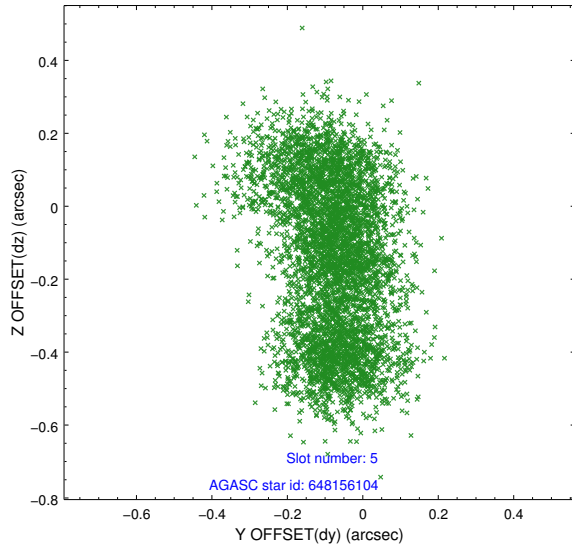
2.4.1 Slot 3



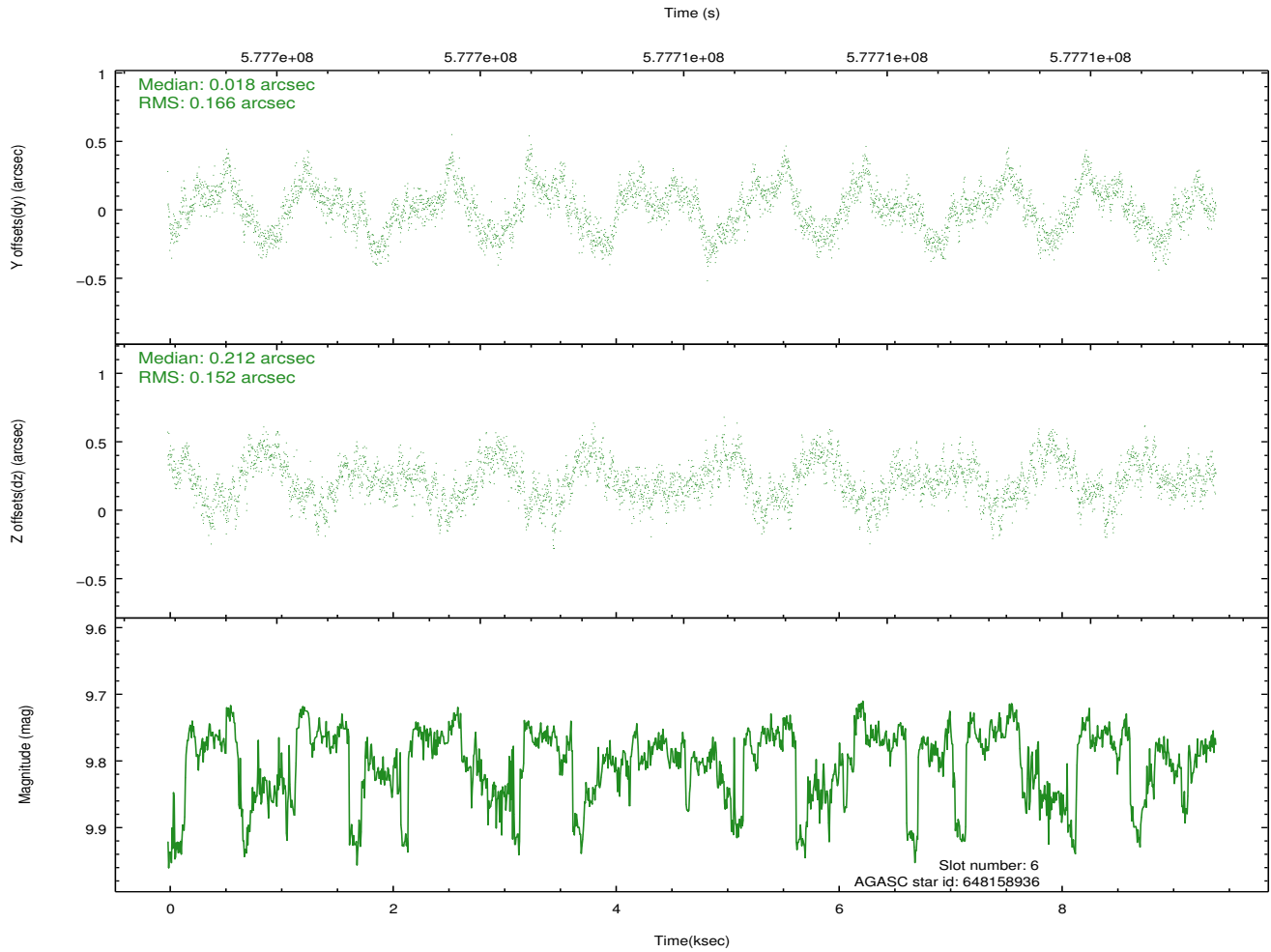
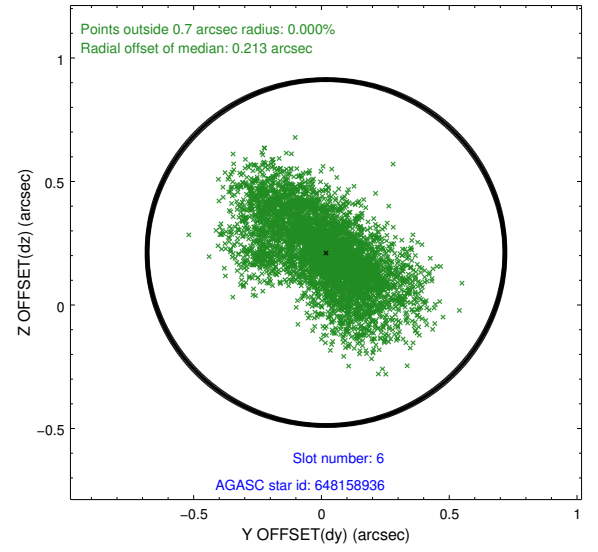
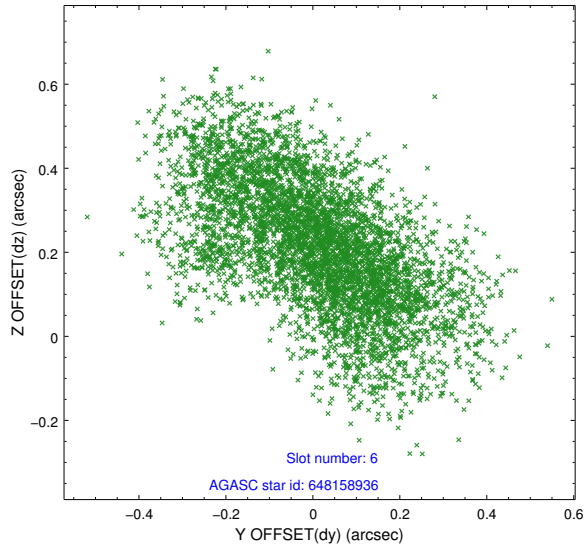
2.4.2 Slot 4



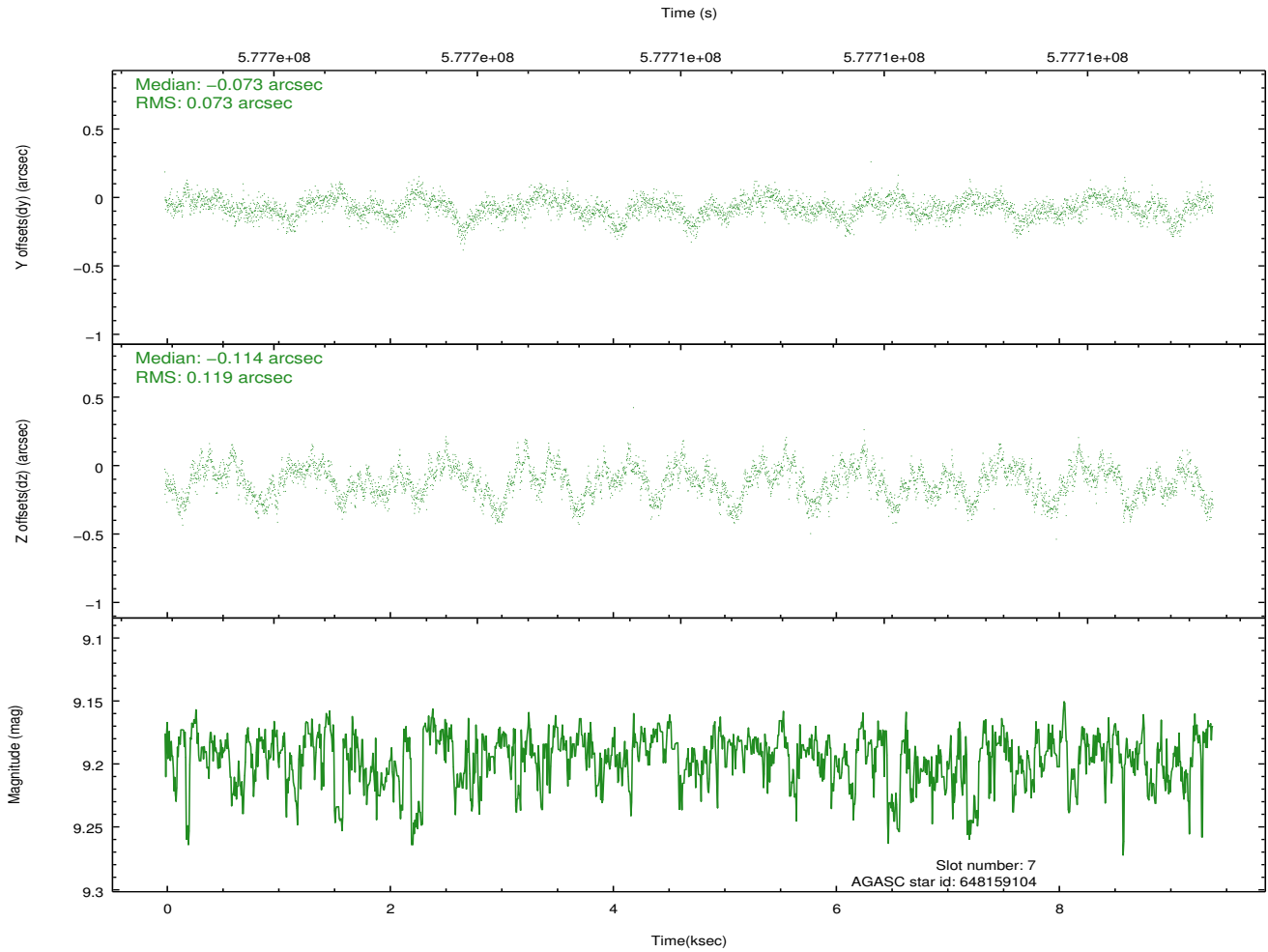
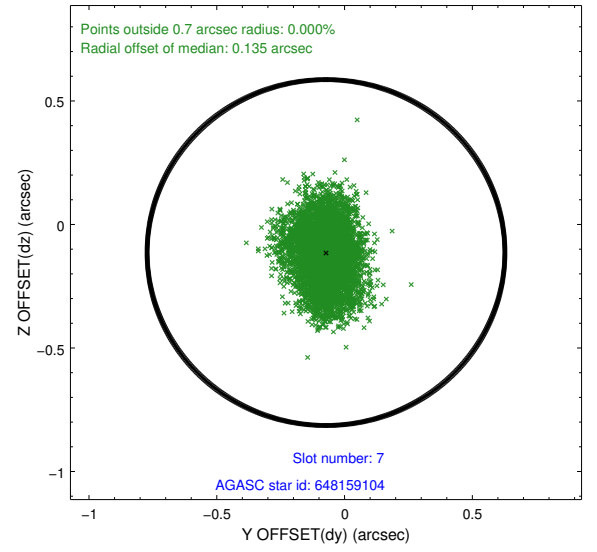
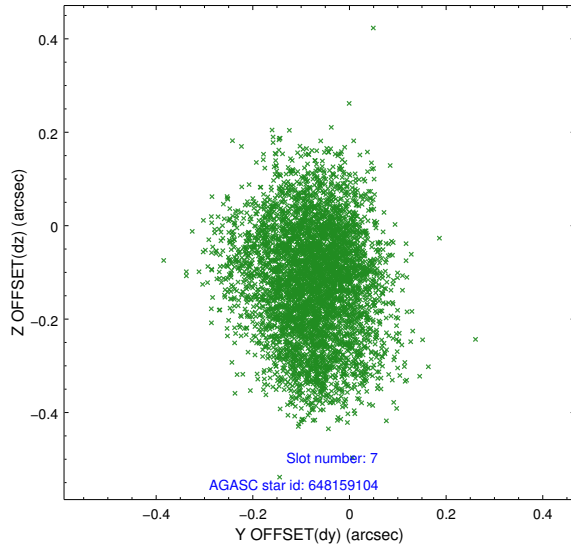
2.4.3 Slot 5



2.4.4 Slot 6

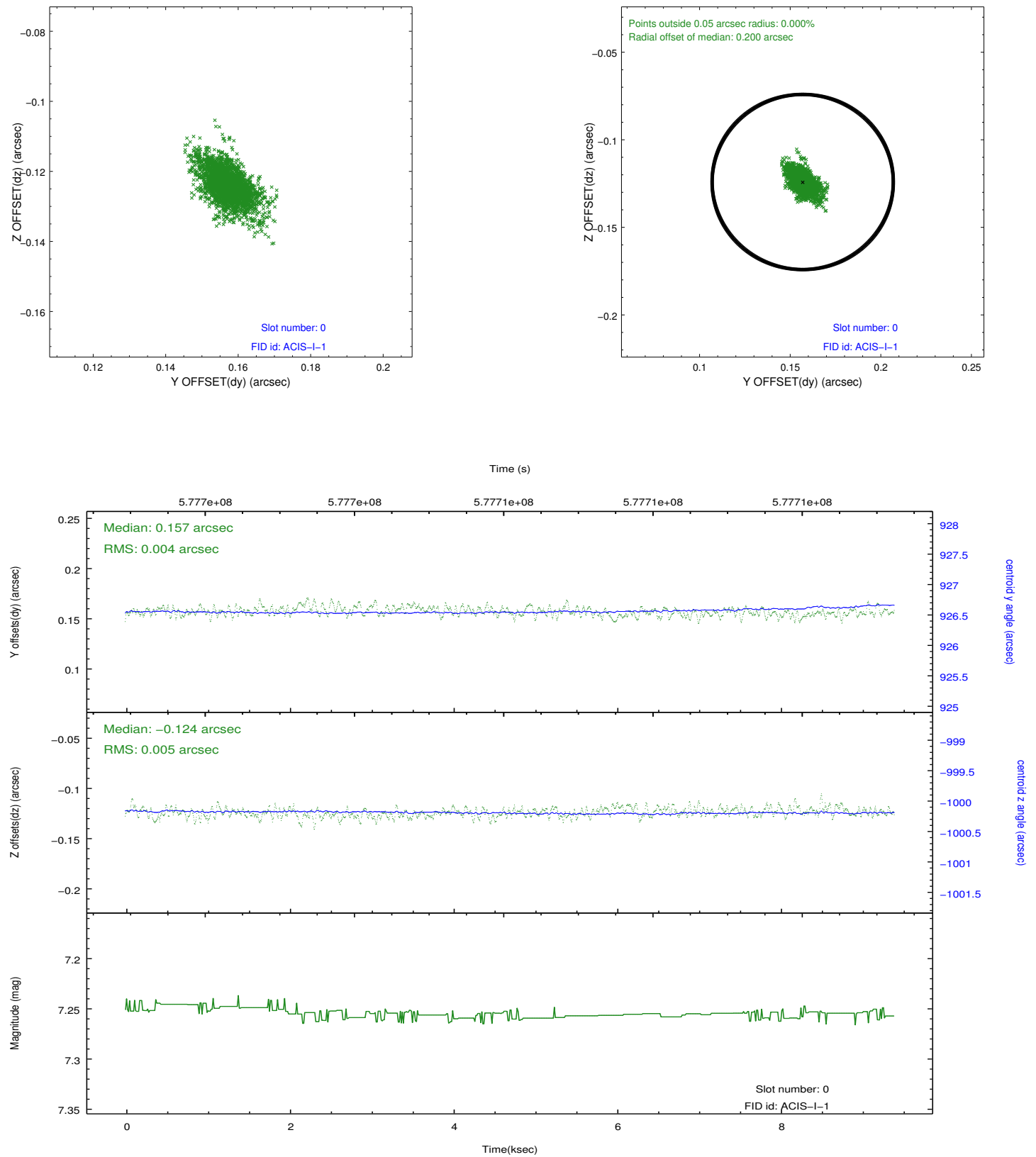


2.4.5 Slot 7

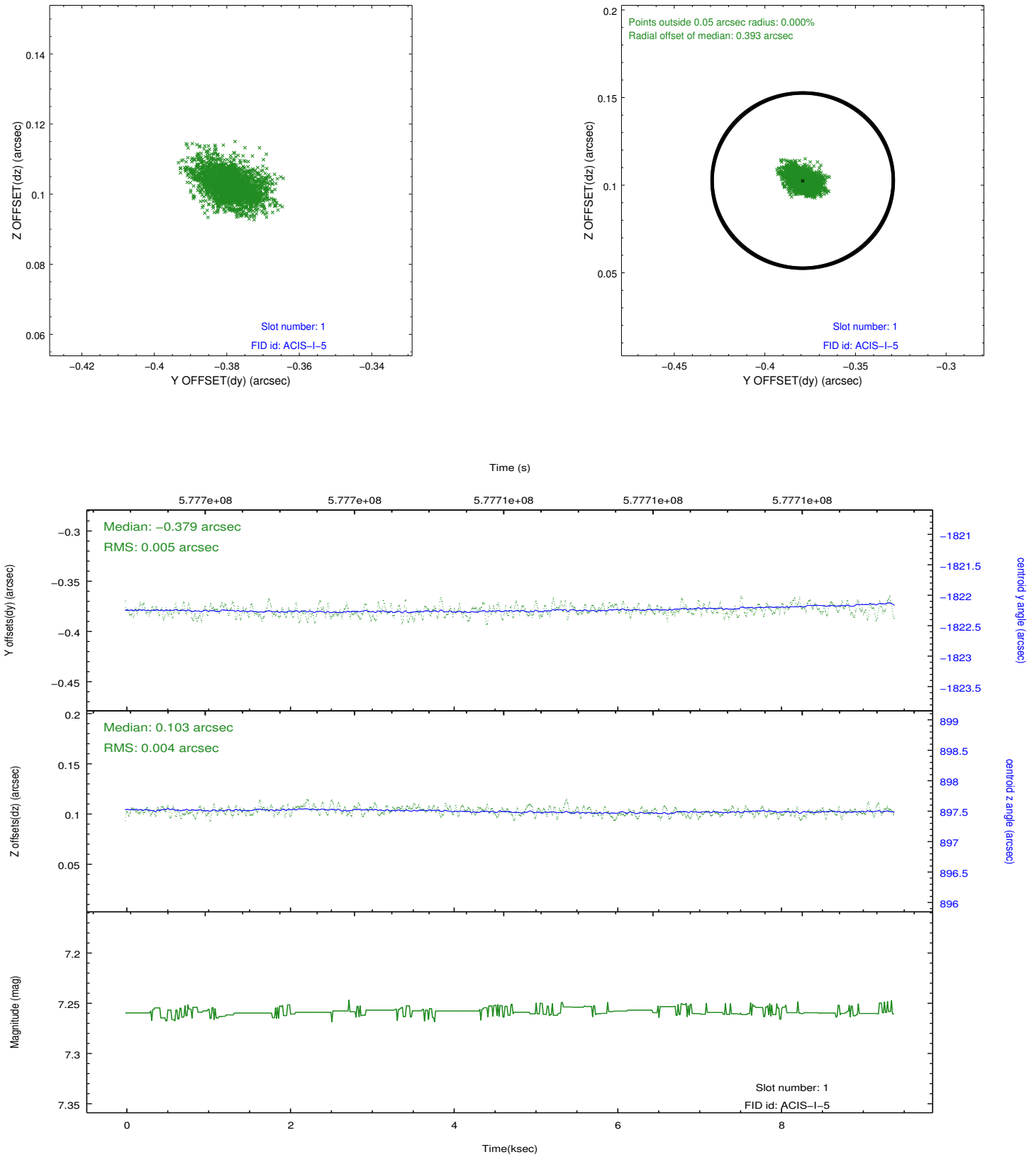


2.5 FID Slots

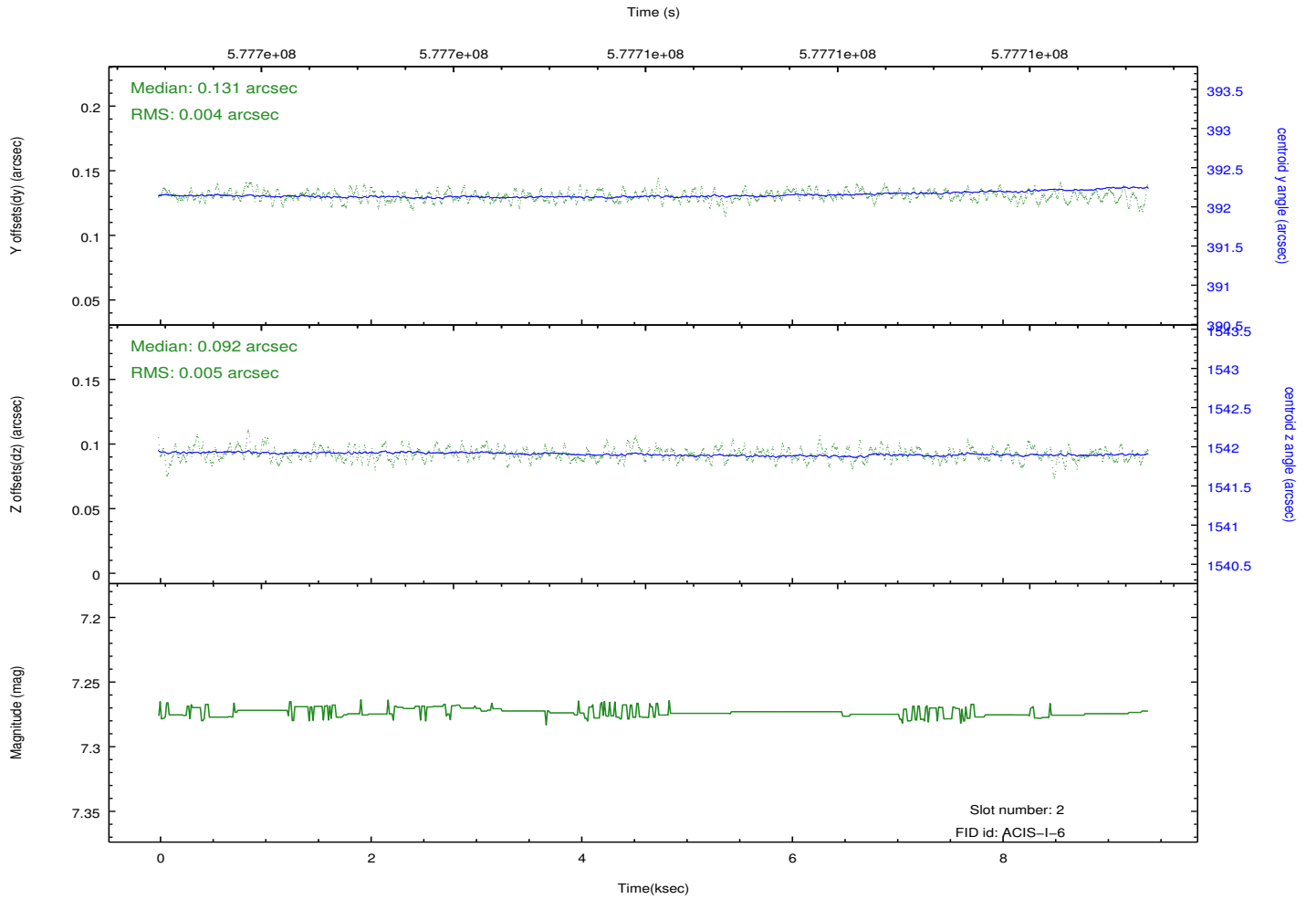
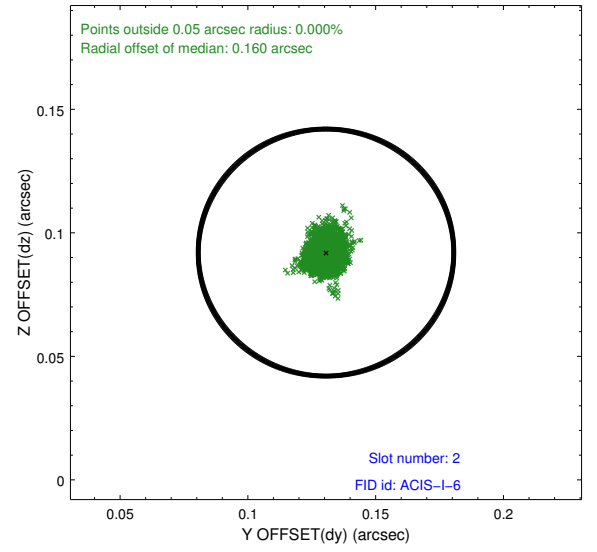
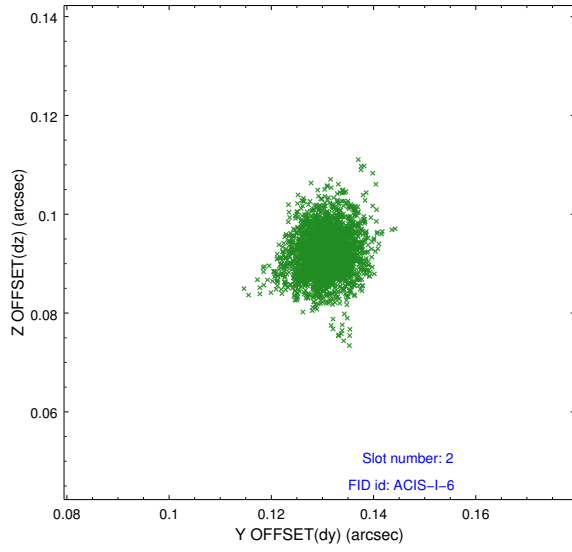
2.5.1 Slot 0



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)	2016.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.0520000697374

A.2 Comments