

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2993 - L2 Version 3
Chandra X-Ray Center

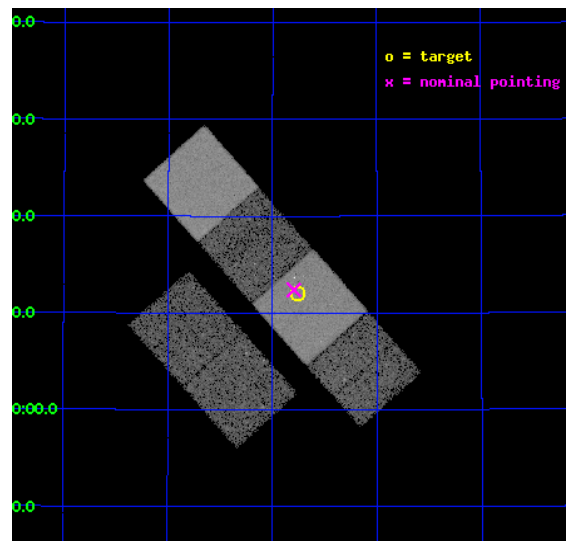
L2 Processing Date : Sep 30 2012

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1 Front

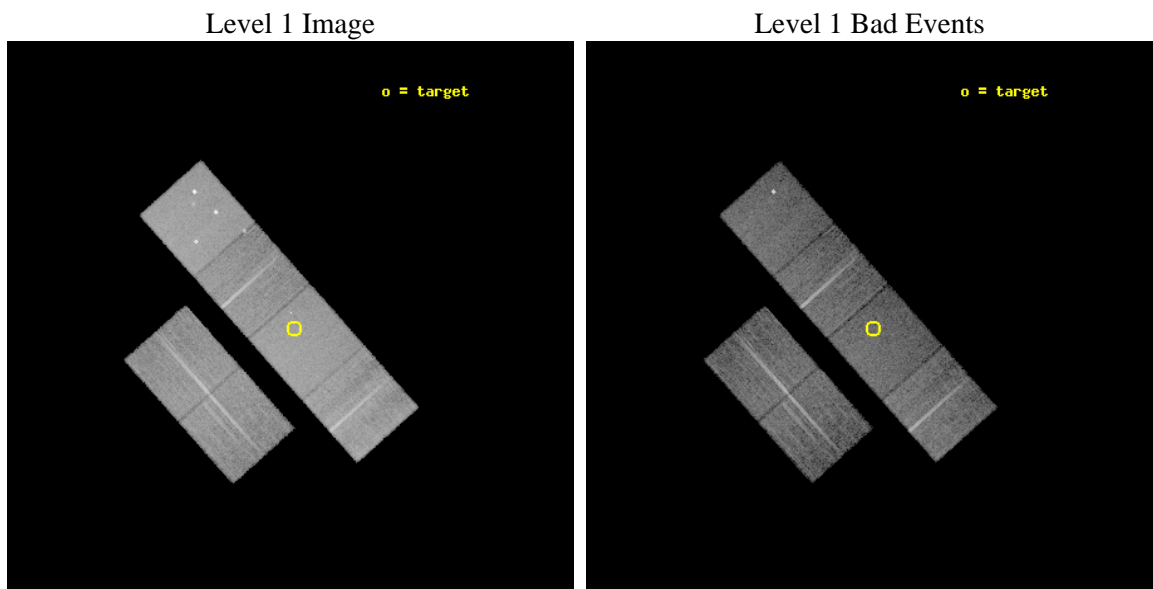
seq_num	700432	Sequence number
obs_id	2993	Observation id
title	CHANDRA OBSERVATIONS OF A POPULATION OF TYPE 2 QUASARS DISCOVERED IN THE DPOSS	Proposal title
observer	PROF. S. DJORGOVSKI	Principal investigator
object	PSS 1539+4312	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	234.938333	Observer's specified target RA [deg]
dec_targ	43.200556	Observer's specified target Dec [deg]
ra_nom	234.94885571823	Nominal RA [deg]
dec_nom	43.206578708781	Nominal Dec [deg]
roll_nom	48.302299624267	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14960.000013918	Sum of GTIs [s]
livetime	14770.567485911	Livetime [s]
ontime2	14960.000013918	Sum of GTIs [s]
ontime3	14960.000013918	Sum of GTIs [s]
ontime5	14960.000013918	Sum of GTIs [s]
ontime6	14960.000013918	Sum of GTIs [s]
ontime7	14960.000013918	Sum of GTIs [s]
ontime8	14960.000013918	Sum of GTIs [s]
l2events	144415	Number of level 2 events



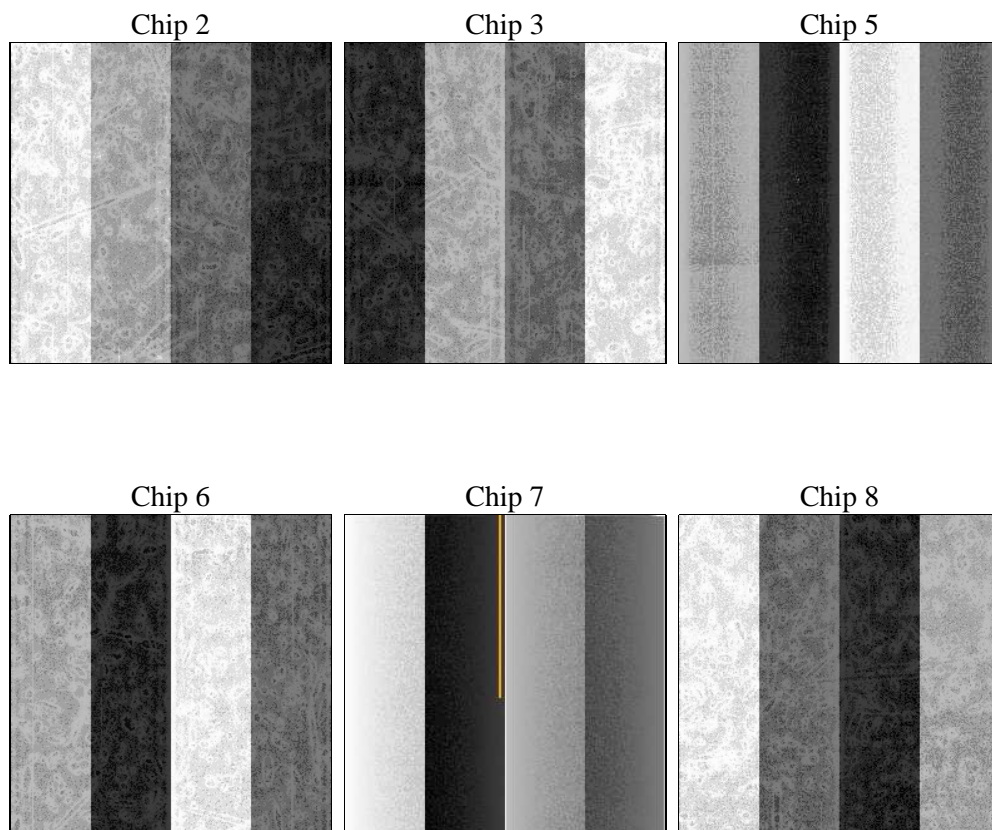
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	14960.000013918	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	14960.000013918	Sum of GTIs [s]
date	2012-09-30T03:56:42	Date and time of file creation	ontime3	14960.000013918	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14960.000013918	Sum of GTIs [s]
			ontime6	14960.000013918	Sum of GTIs [s]
			ontime7	14960.000013918	Sum of GTIs [s]
			ontime8	14960.000013918	Sum of GTIs [s]
			l1events	664791	Number of level 1 events

2.1.4 Events

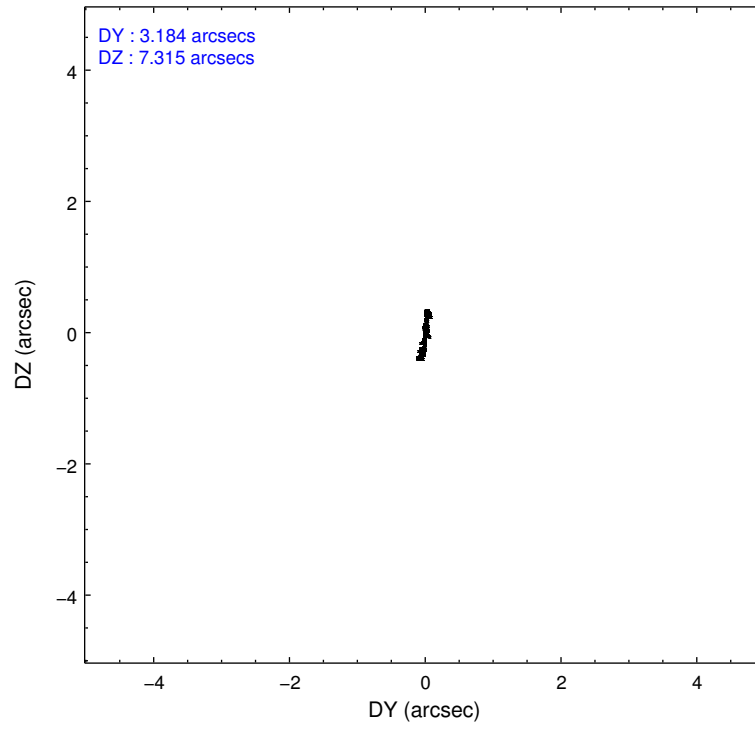
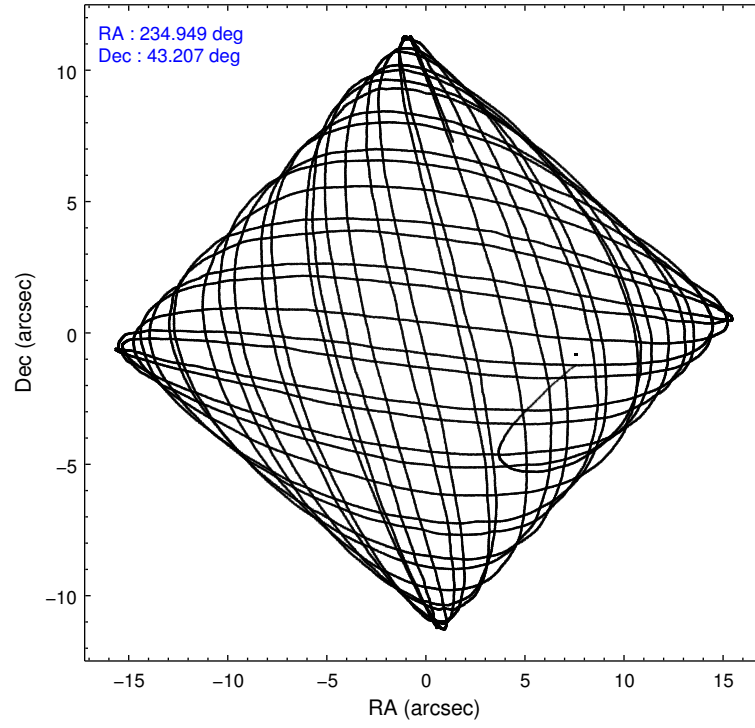
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	96247	90537	138710	92675	120854	125768	grade 0 events	4847	4595	10587	4476	5004	10298
rejected events	84777	79612	73567	81311	70357	93235		5%	5%	7%	4%	4%	8%
rejected %	88%	87%	53%	87%	58%	74%	grade 1 events	38	44	181	41	113	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	2620	2331	18782	2439	10067	6061
								2%	2%	13%	2%	8%	4%
							grade 3 events	983	968	2450	1086	4679	4490
								1%	1%	1%	1%	3%	3%
							grade 4 events	983	977	2379	1072	4632	4039
								1%	1%	1%	1%	3%	3%
							grade 5 events	3306	3526	9866	3846	11648	5150
								3%	3%	7%	4%	9%	4%
							grade 6 events	2041	2056	30962	2292	26162	7653
								2%	2%	22%	2%	21%	6%
							grade 7 events	81429	76040	63503	77423	58549	87992
								84%	83%	45%	83%	48%	69%

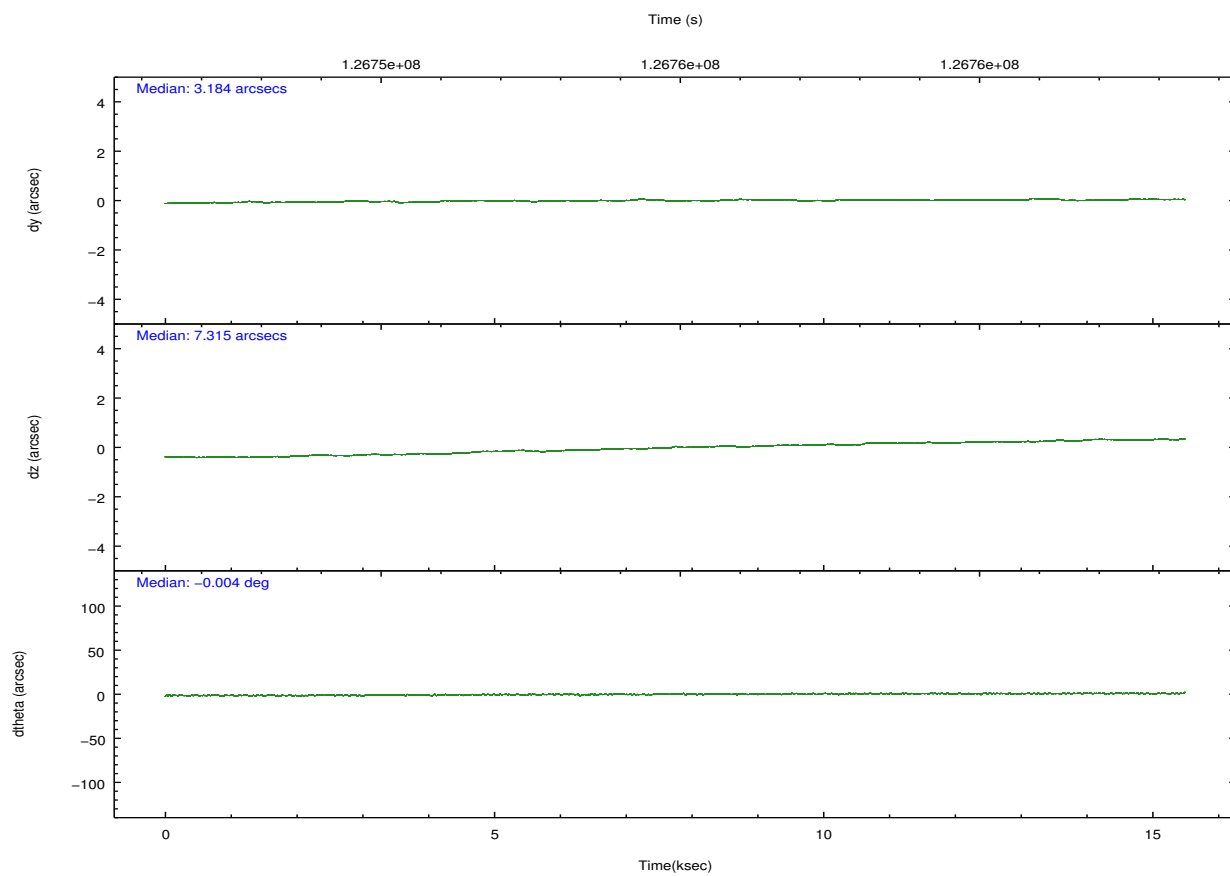
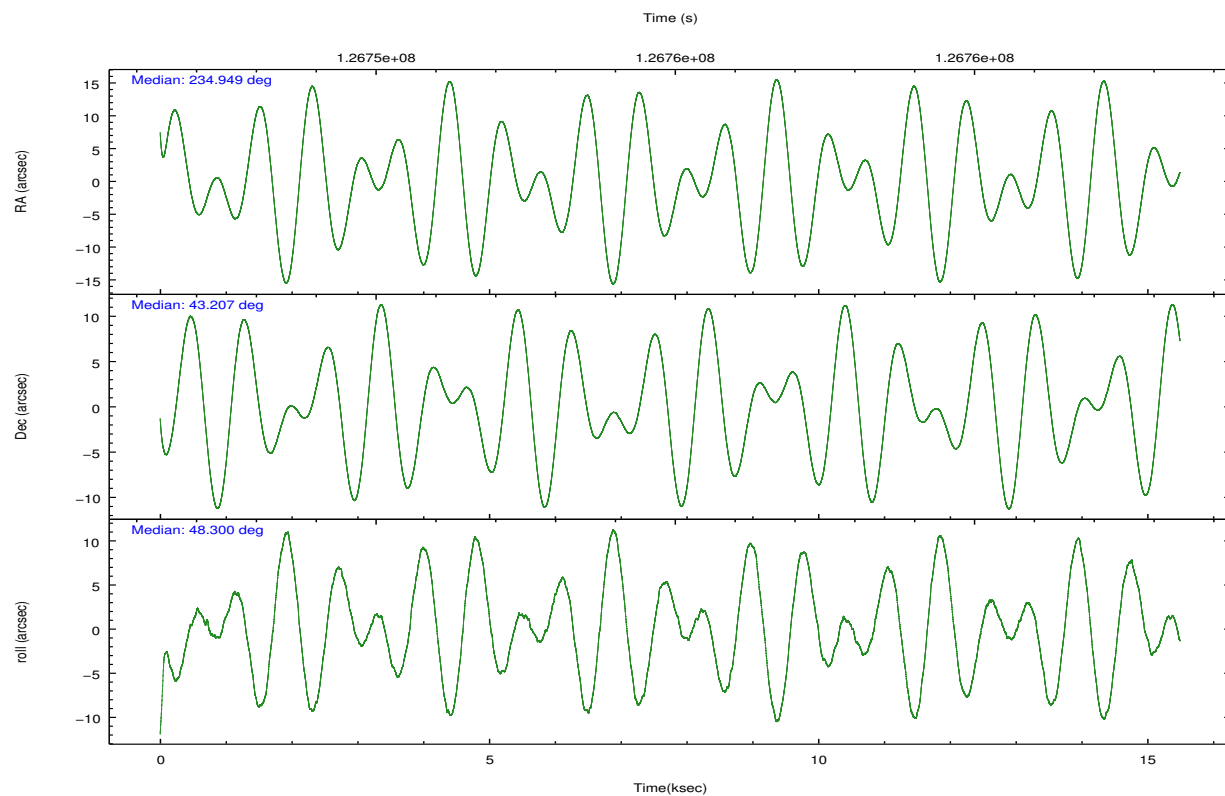
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	234.941681	234.9488557182343
[deg] Pointing Dec	43.179807	43.20657870878091
[deg] Pointing Roll	48.150590	48.30229962426685
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	126747654.184000	126746525.08258
Observation start date	2002-01-06T23:39:50	2002-01-06T23:22:05
[s] Observation end time (MET)	126762654.184000	126763011.69574
Observation end date	2002-01-07T03:49:50	2002-01-07T03:56:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



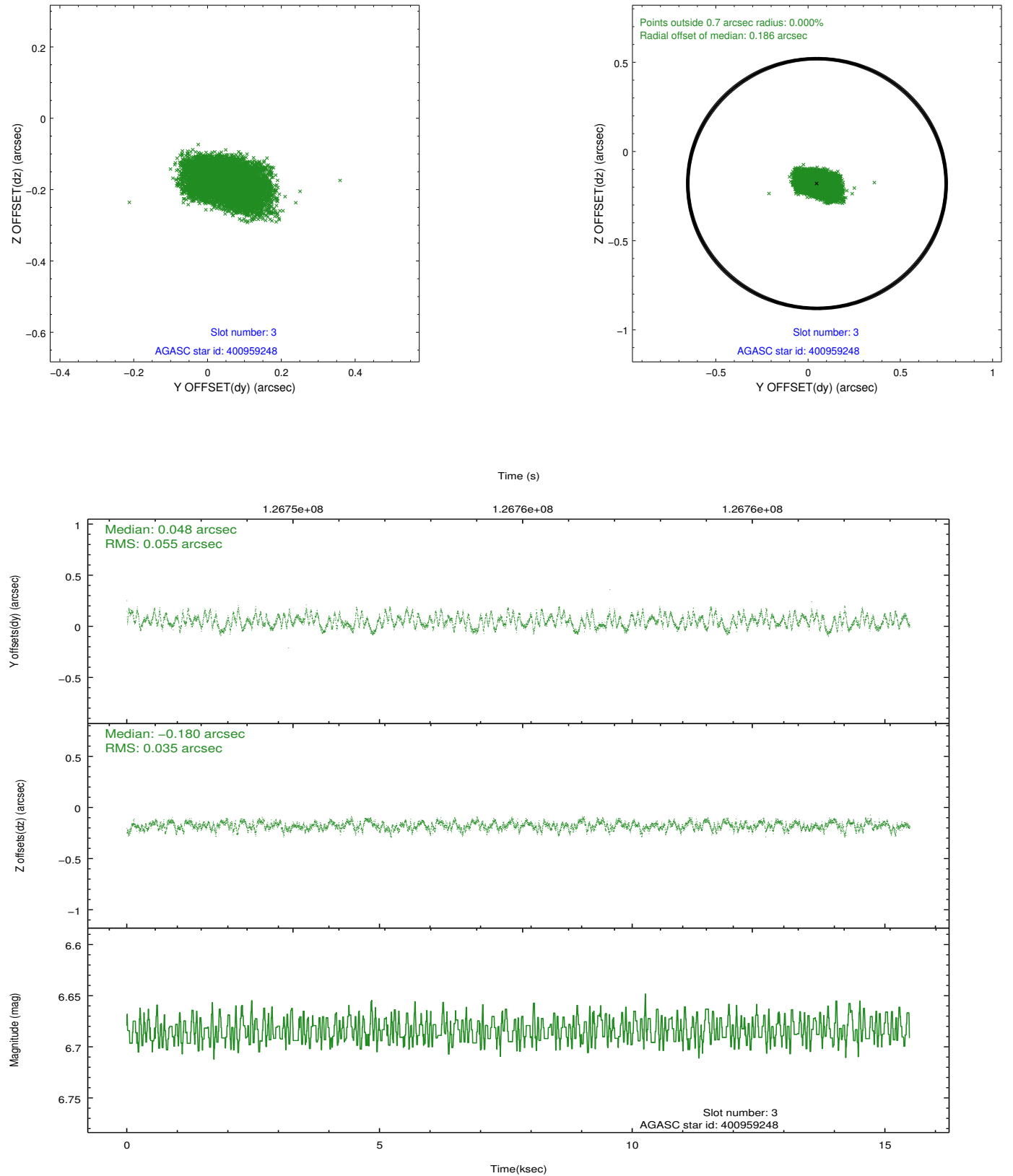


Slot Statistics

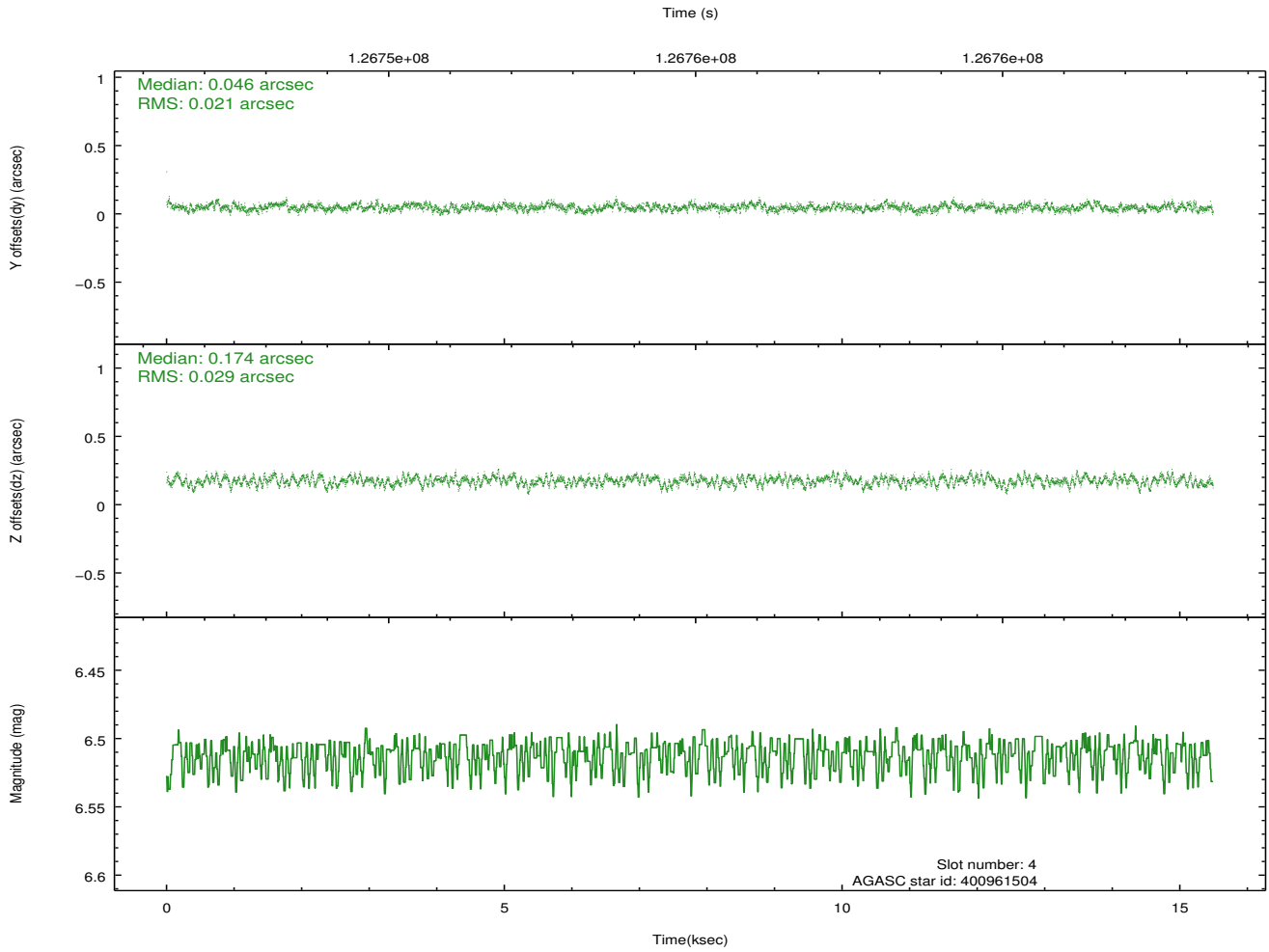
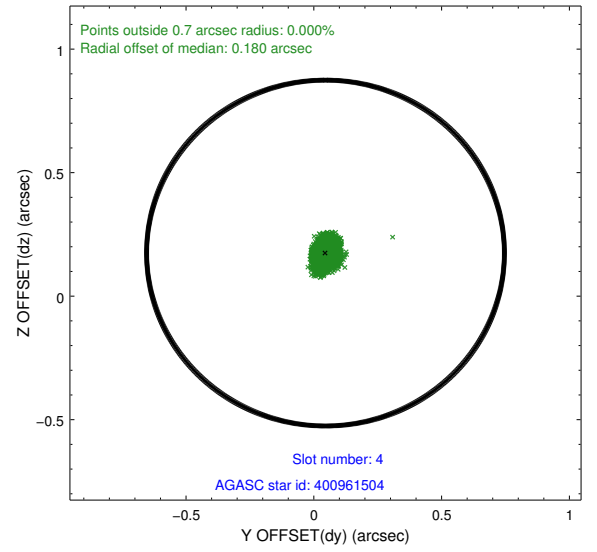
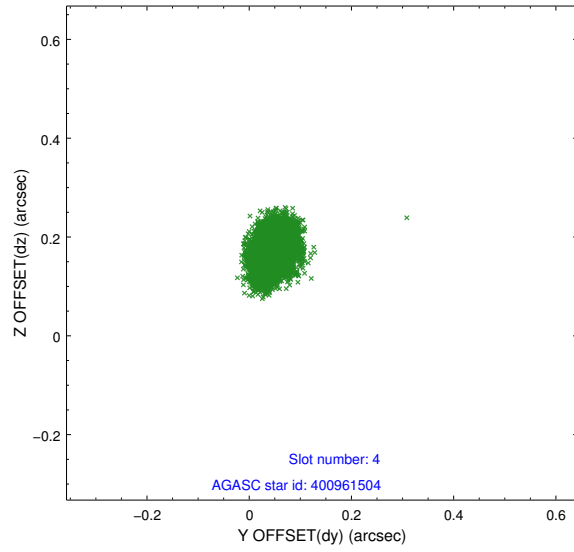
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3779	-0.009	0.002	0.009	0.014	0.000000	0.000000	-755.83	-1728.40
1	FID	ACIS-S-4	7.20	3778	-0.027	0.004	0.005	0.010	0.000000	0.000000	2157.30	179.79
2	FID	ACIS-S-5	7.24	3778	0.005	0.003	0.009	0.014	0.000000	0.000000	-1808.29	173.78
3	GUIDE	400959248	6.68	7556	0.048	-0.180	0.069	0.114	233.791705	43.167539	-2032.17	2233.38
4	GUIDE	400961504	6.51	7558	0.046	0.174	0.038	0.063	234.883565	42.696946	-1397.72	-1044.80
5	GUIDE	400960104	7.42	7557	-0.151	-0.032	0.048	0.084	235.089267	43.846377	2042.99	1315.82
6	GUIDE	400961080	8.64	7555	0.079	0.125	0.070	0.111	234.853817	42.624698	-1643.58	-1159.67
7	GUIDE	400954856	8.73	7557	-0.020	-0.086	0.074	0.125	234.763312	43.866513	1532.48	1994.56

2.4 Star Slots

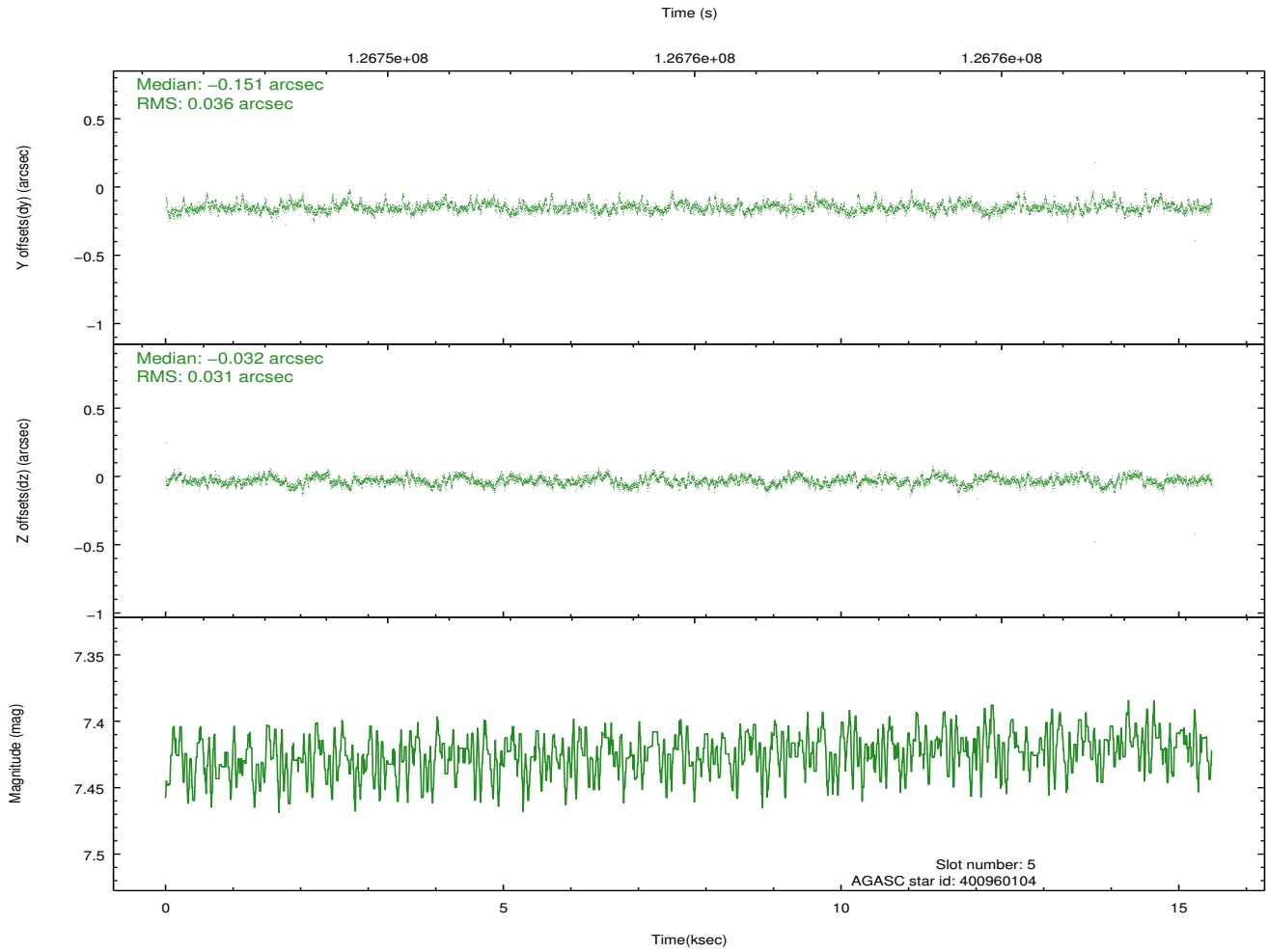
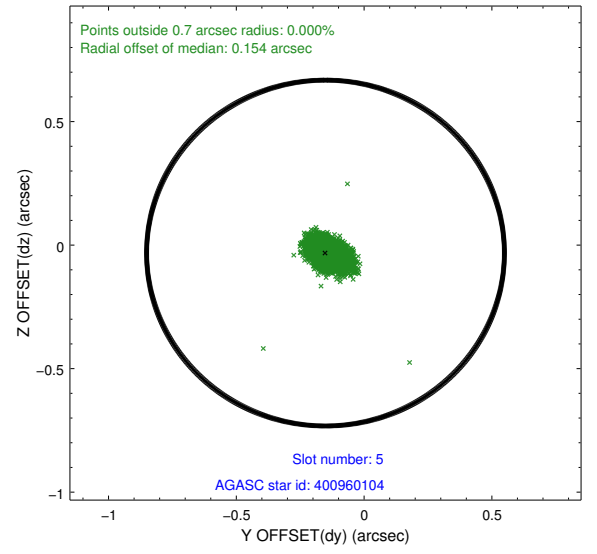
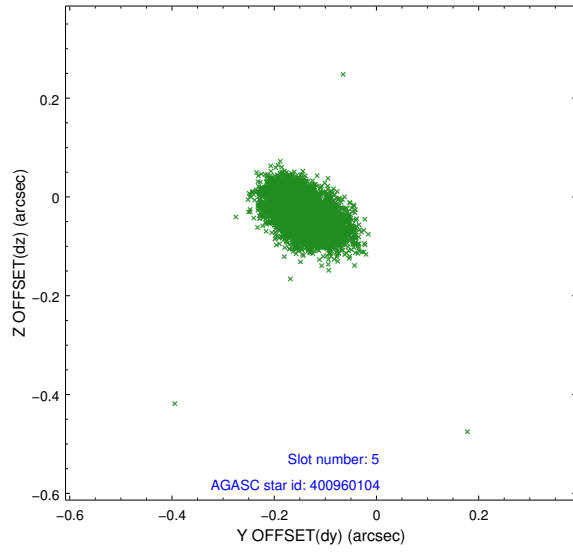
2.4.1 Slot 3



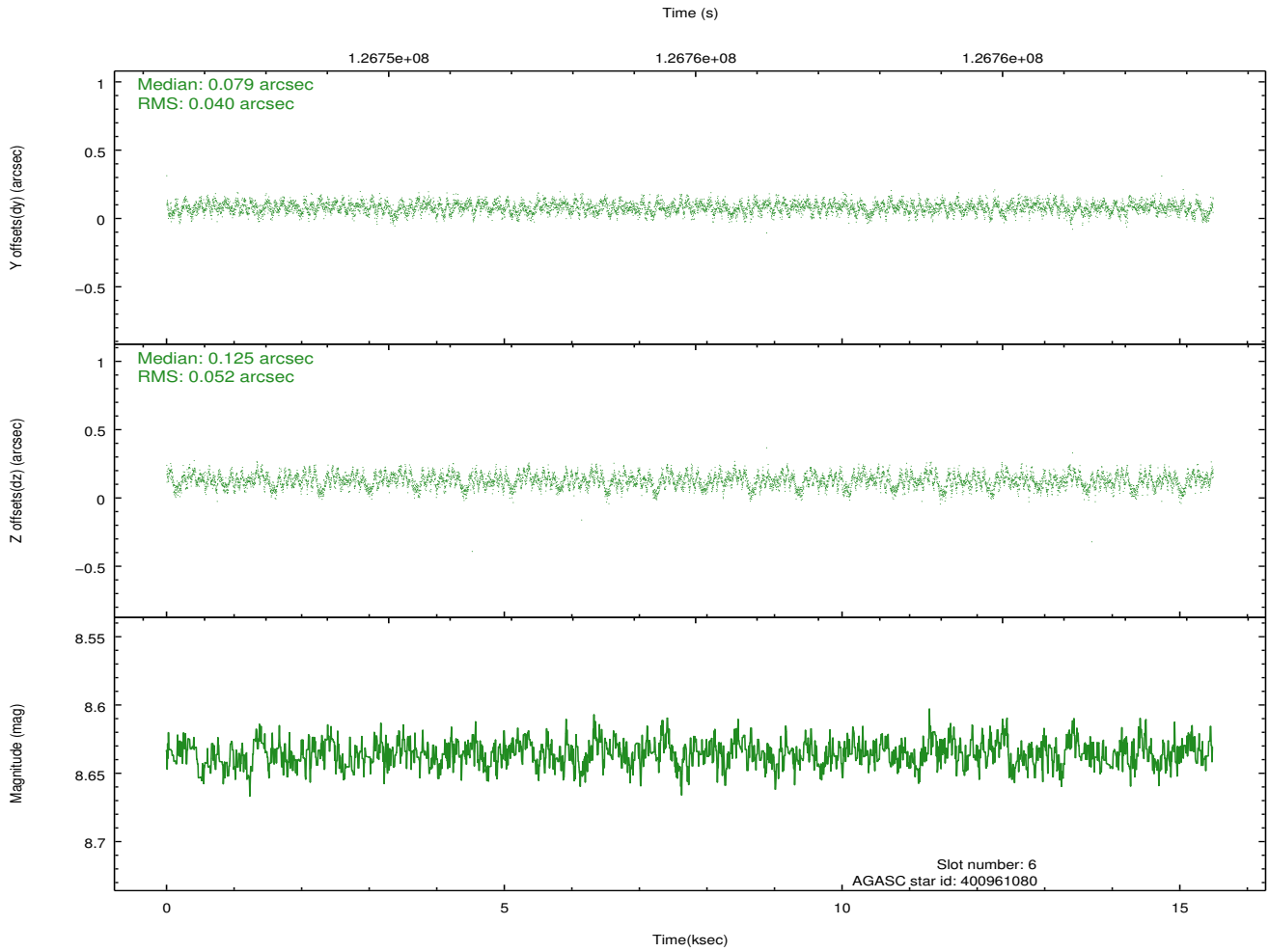
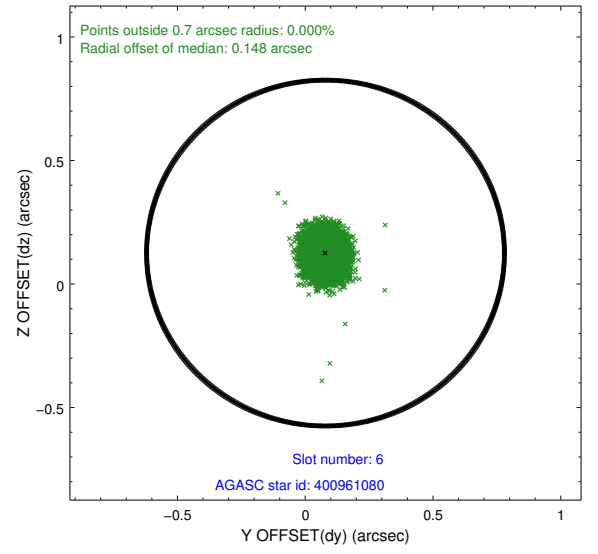
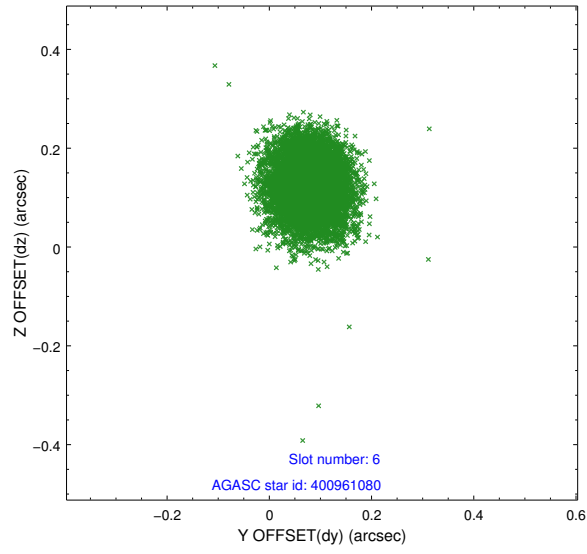
2.4.2 Slot 4



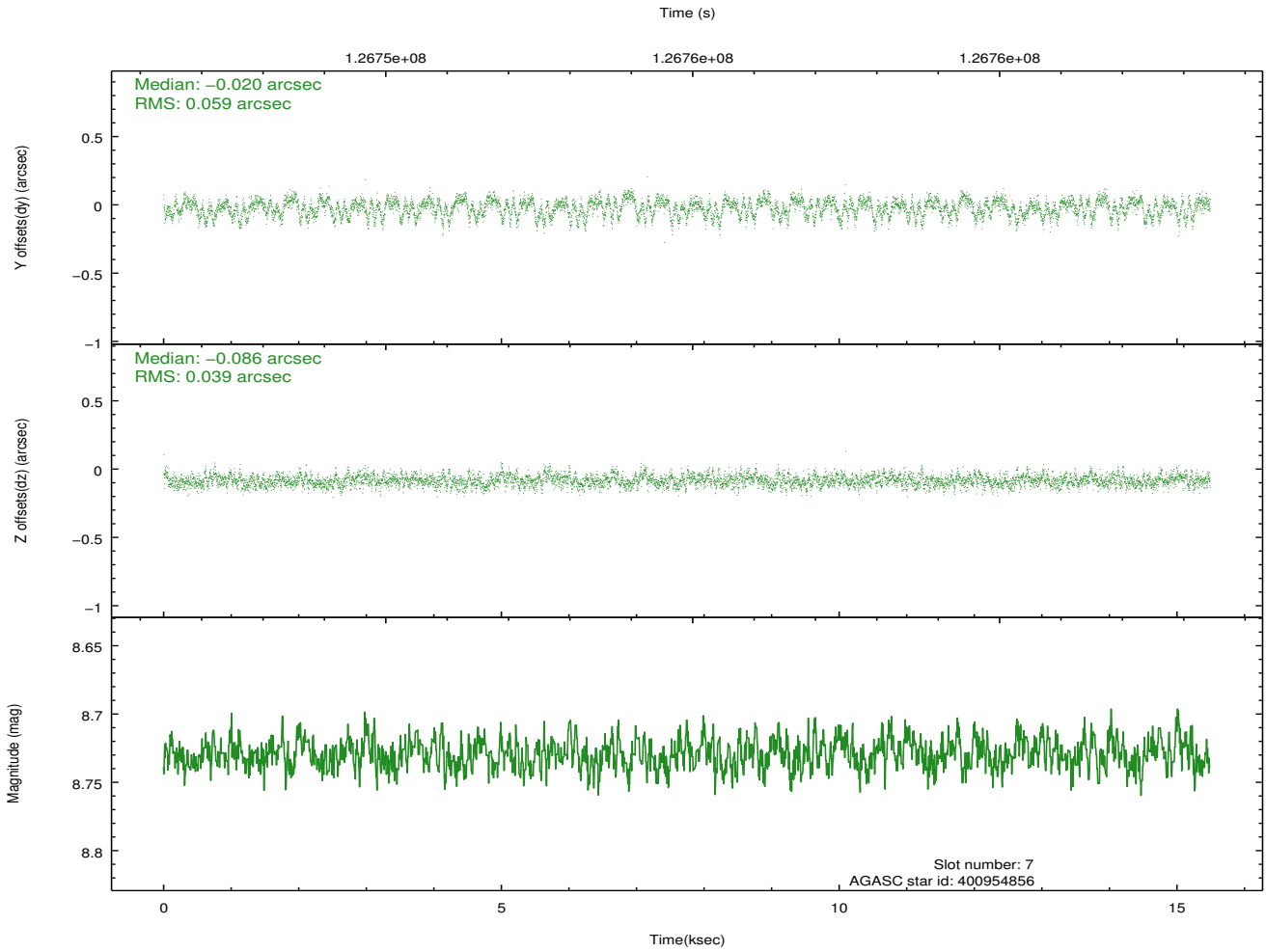
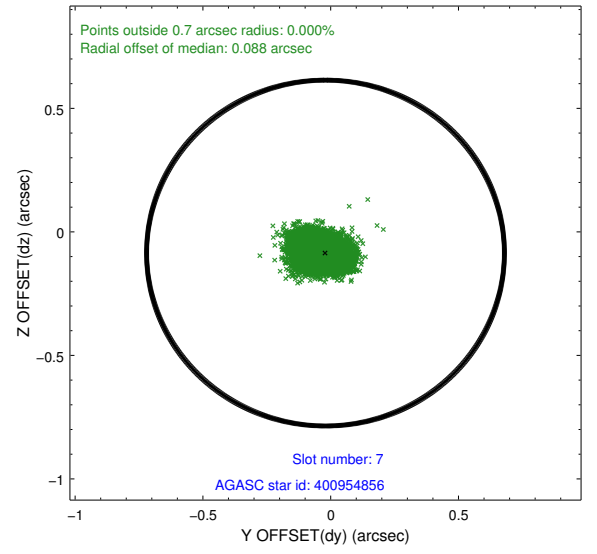
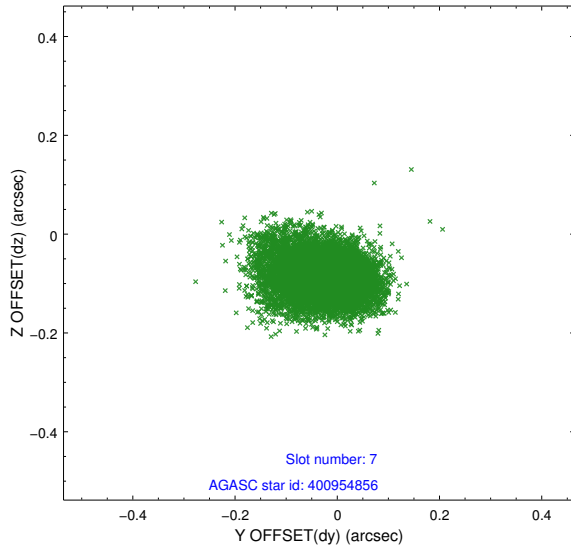
2.4.3 Slot 5



2.4.4 Slot 6

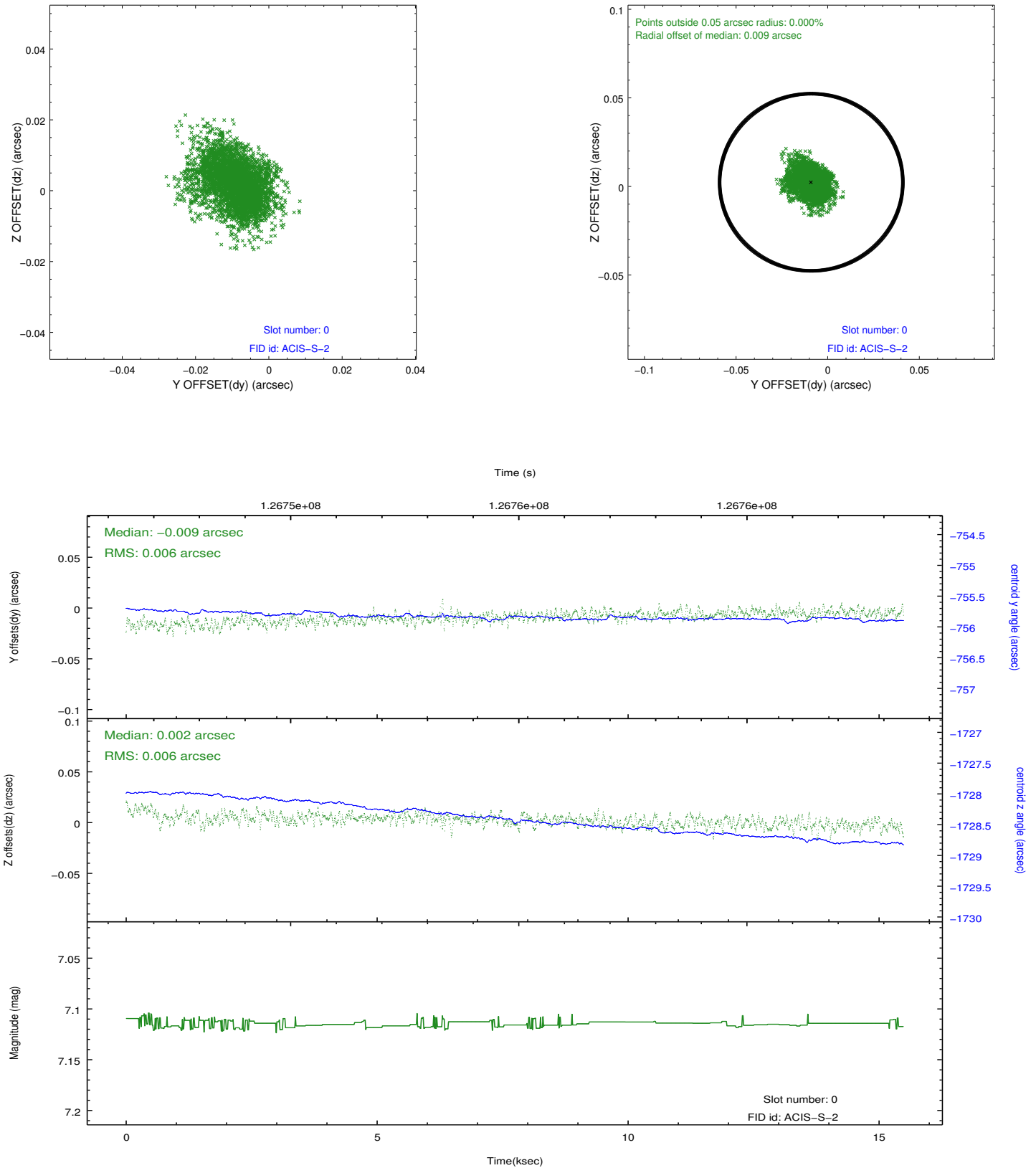


2.4.5 Slot 7

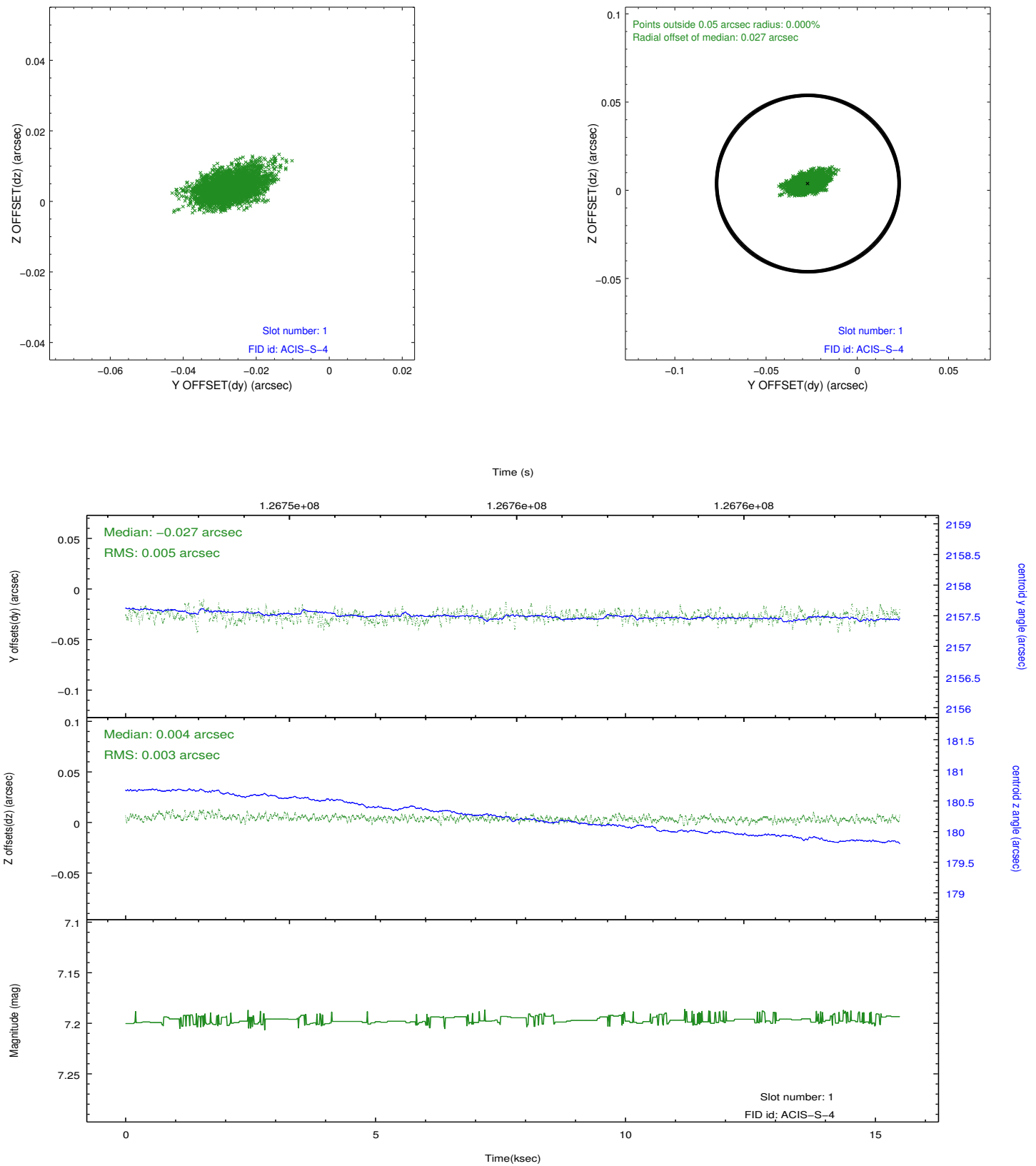


2.5 FID Slots

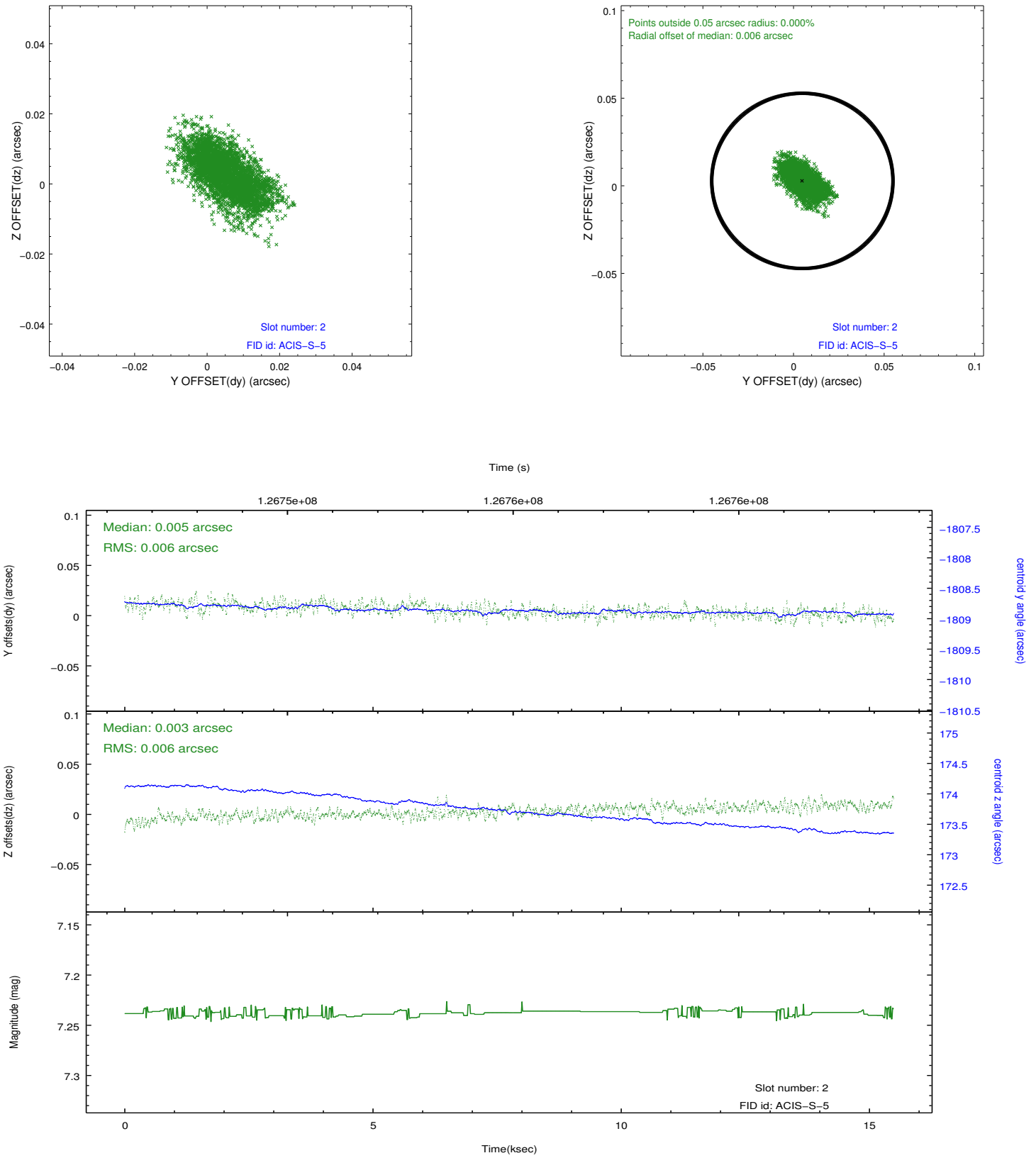
2.5.1 Slot 0



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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.963

A.2 Comments