

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7751 - L2 Version 3
Chandra X-Ray Center

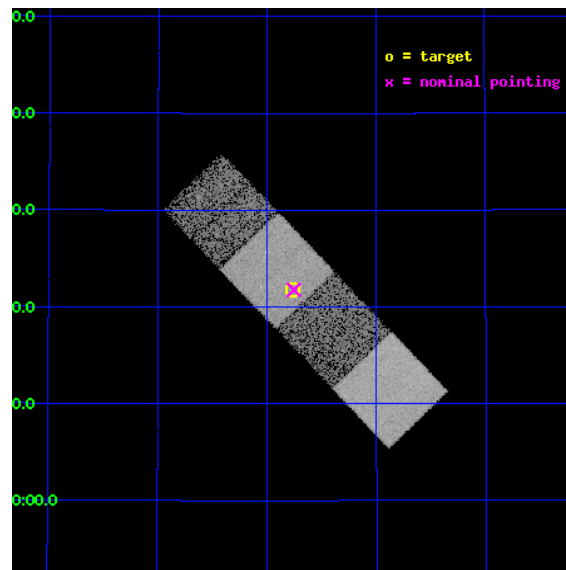
L2 Processing Date : Apr 19 2012

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1 Front

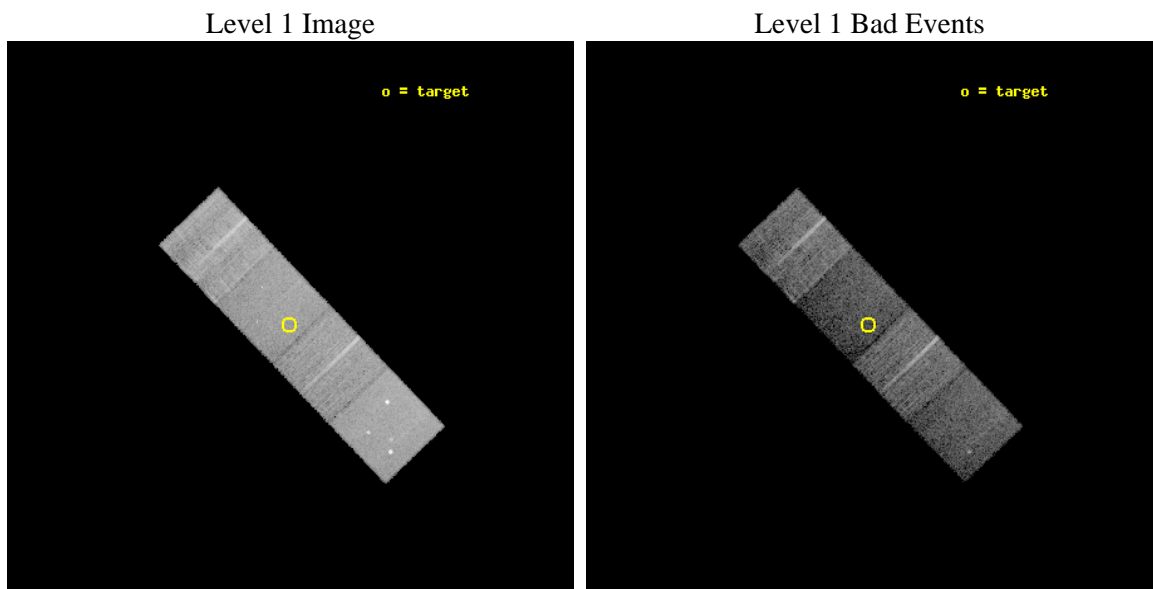
seq_num	701419	Sequence number
obs_id	7751	Observation id
title	Probing heavy obscuration in optically selected Type 2 quasar candidates	Proposal title
observer	Dr Cristian Vignali	Principal investigator
object	SDSS J073745.88+402146.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	114.44125	Observer's specified target RA [deg]
dec_targ	40.362917	Observer's specified target Dec [deg]
ra_nom	114.43852629077	Nominal RA [deg]
dec_nom	40.363059933894	Nominal Dec [deg]
roll_nom	226.14338810954	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9451.9000726938	Sum of GTIs [s]
livetime	9328.4040398565	Livetime [s]
ontime5	9451.9000726938	Sum of GTIs [s]
ontime6	9451.9000726938	Sum of GTIs [s]
ontime7	9451.9000726938	Sum of GTIs [s]
ontime8	9451.9000726938	Sum of GTIs [s]
l2events	85388	Number of level 2 events



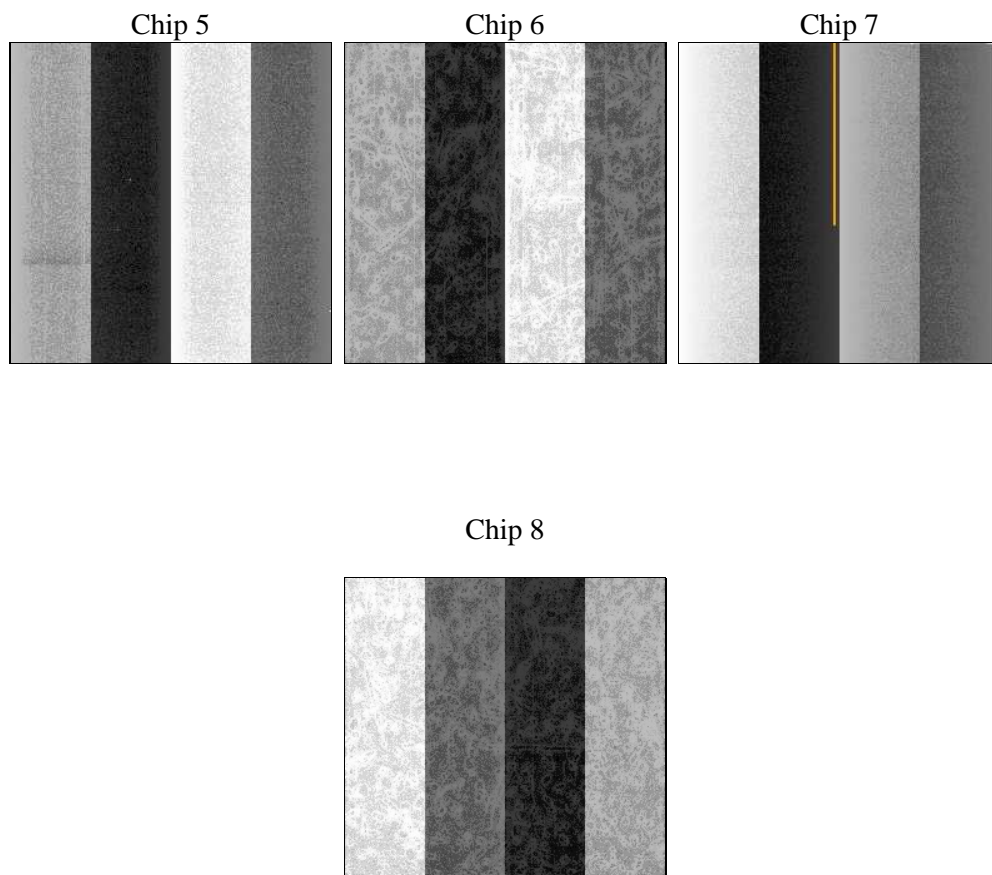
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9408.483000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	9451.9000726938	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	9451.9000726938	Sum of GTIs [s]
date	2012-04-19T13:53:26	Date and time of file creation	ontime6	9451.9000726938	Sum of GTIs [s]
revision	3	Processing version of data	ontime7	9451.9000726938	Sum of GTIs [s]
			ontime8	9451.9000726938	Sum of GTIs [s]
			l1events	303646	Number of level 1 events

2.1.4 Events

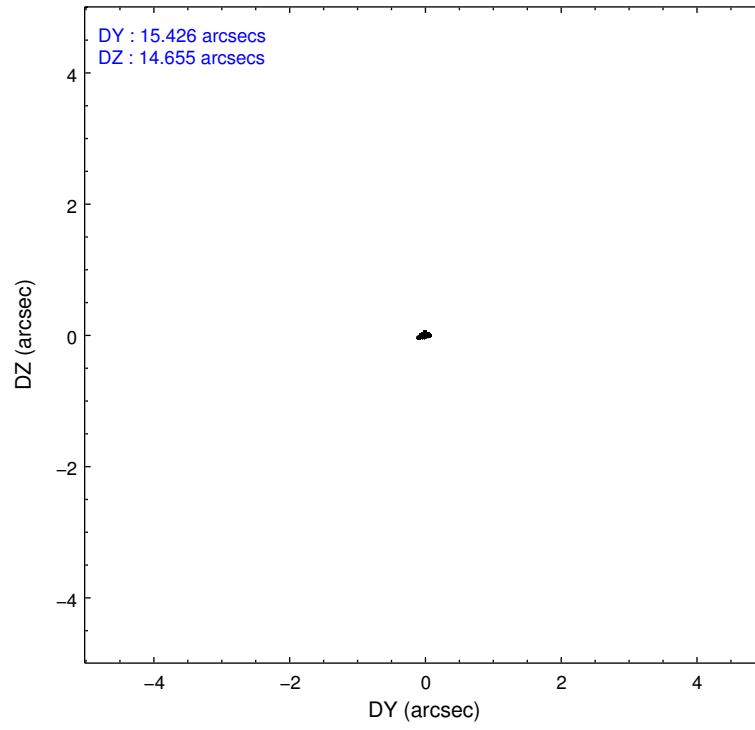
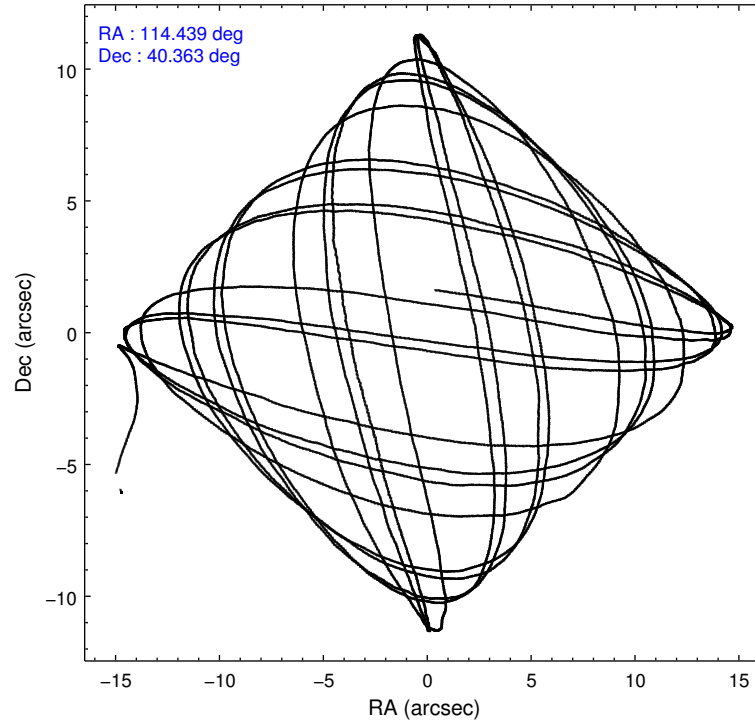
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	86357	67030	64756	85503
rejected events	38802	59895	32391	64448
rejected %	44%	89%	50%	75%

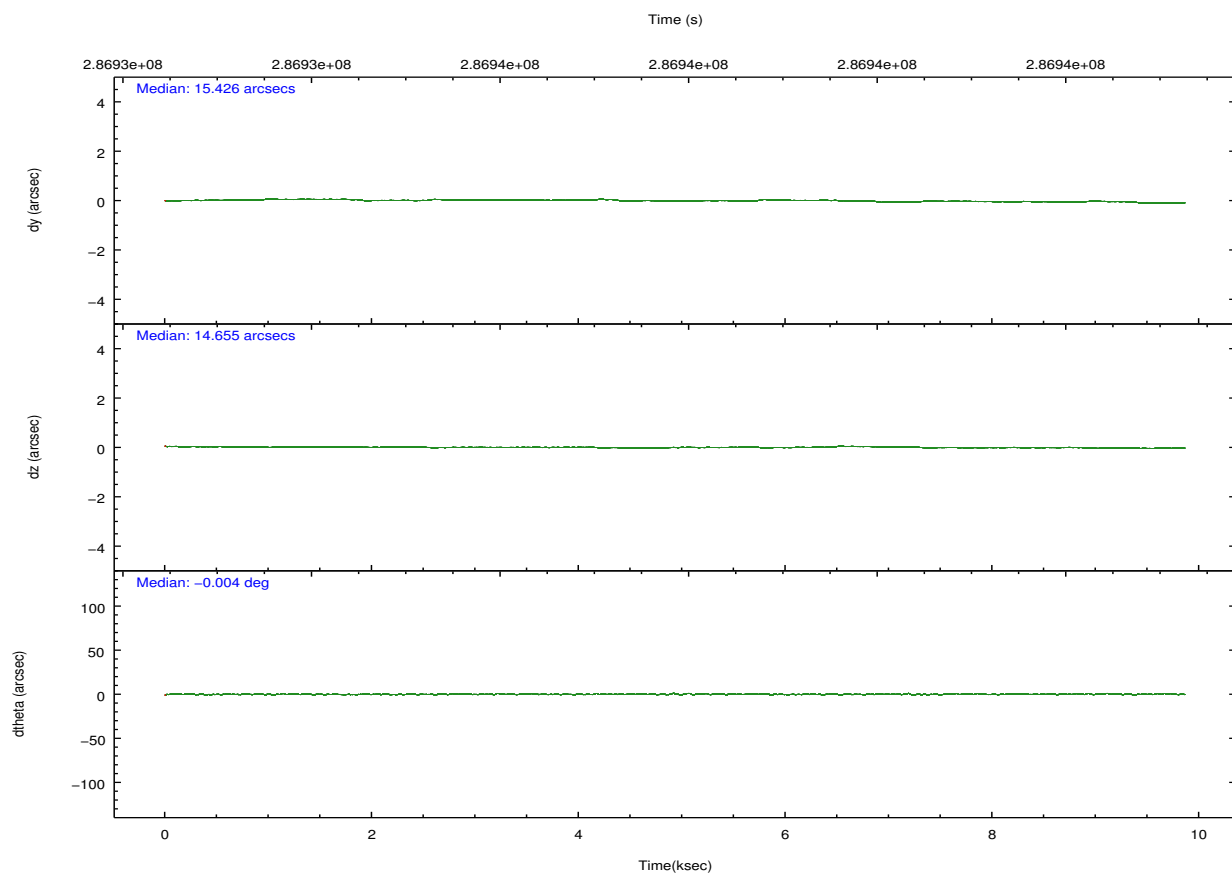
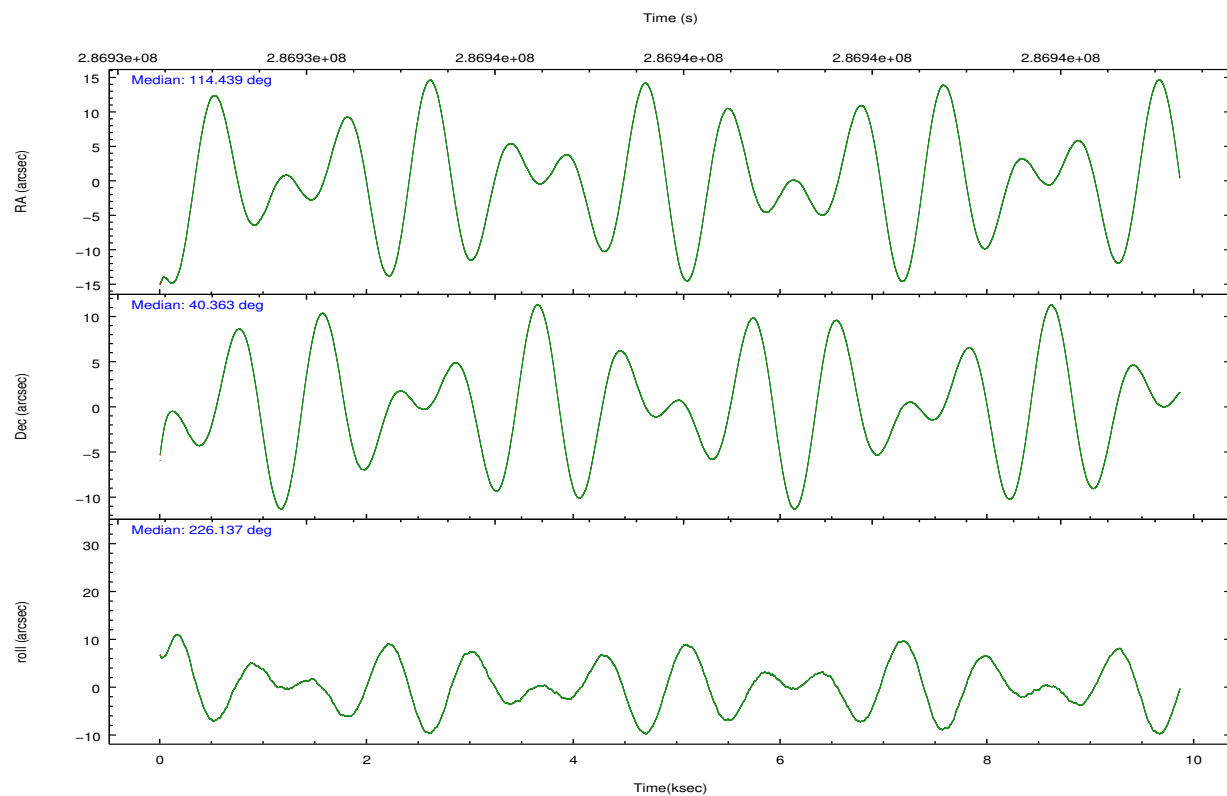
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7568	2702	3378	5824
	8%	4%	5%	6%
grade 1 events	370	25	108	60
	0%	0%	0%	0%
grade 2 events	13817	1515	6687	4844
	15%	2%	10%	5%
grade 3 events	1978	781	3062	2391
	2%	1%	4%	2%
grade 4 events	1905	784	3059	2134
	2%	1%	4%	2%
grade 5 events	6594	2318	6780	3496
	7%	3%	10%	4%
grade 6 events	22317	1359	16206	5867
	25%	2%	25%	6%
grade 7 events	31808	57546	25476	60887
	36%	85%	39%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	114.446625	114.4385262907732	Subarray requested	NONE	NONE
[deg] Pointing Dec	40.389706	40.36305993389395	Alternating exposures requested	N	N
[deg] Pointing Roll	225.981518	226.1433881095354	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	286933387.184000	286932240.14422			
Observation start date	2007-02-03T23:42:02	2007-02-03T23:24:00			
[s] Observation end time (MET)	286942796.184000	286943010.33223			
Observation end date	2007-02-04T02:18:51	2007-02-04T02:23:30			
Read mode	TIMED	TIMED			

2.3 Aspect



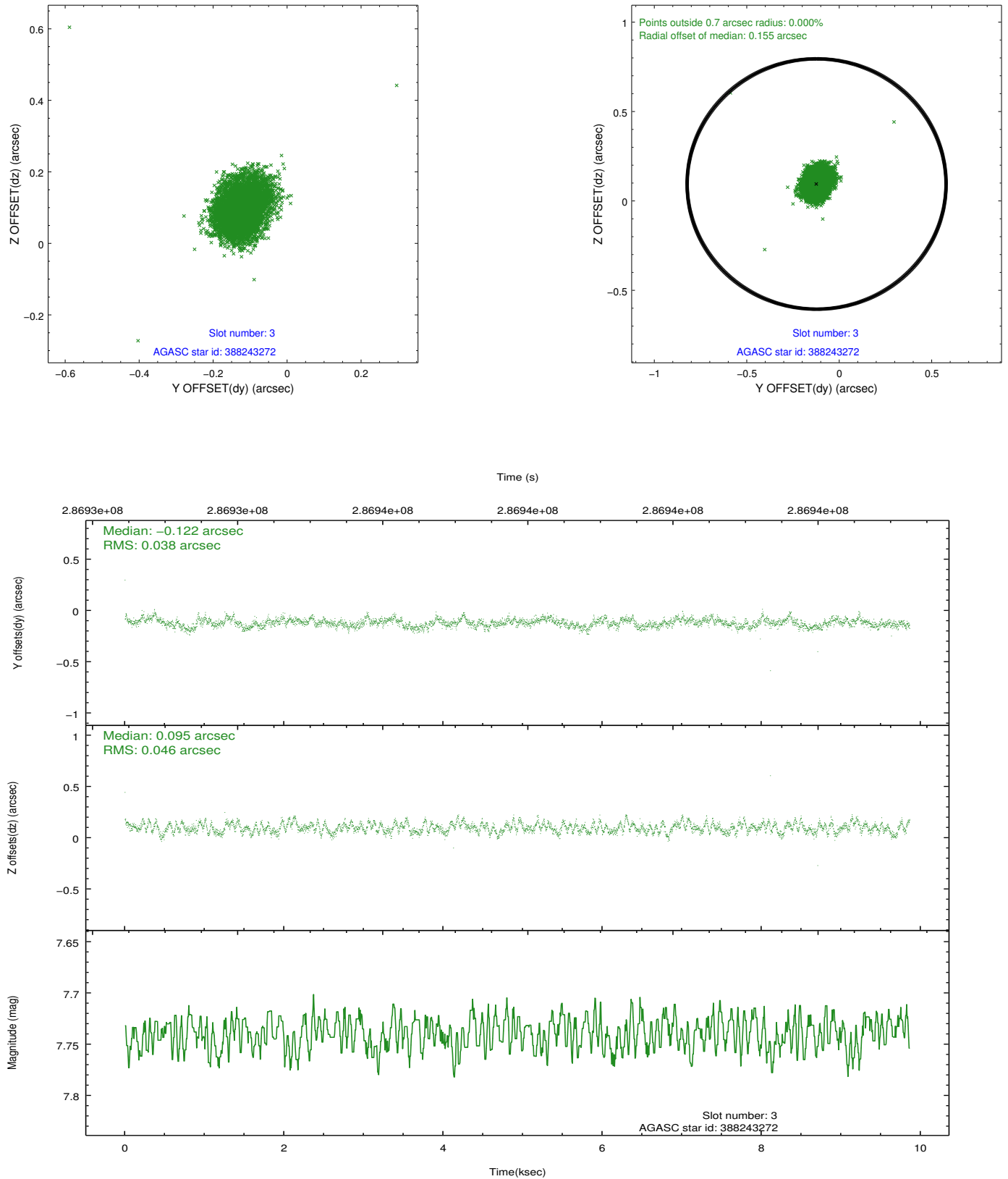


Slot Statistics

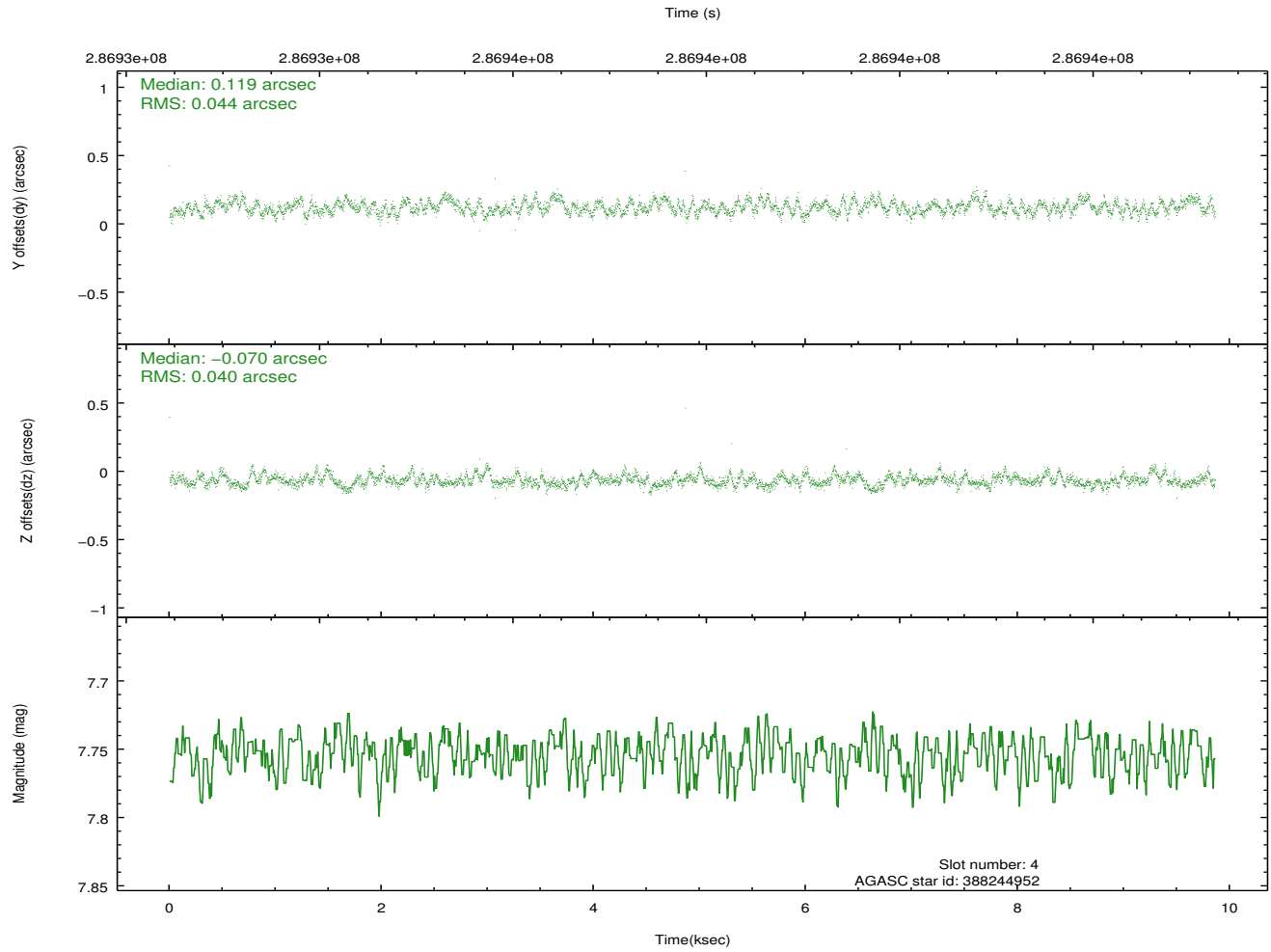
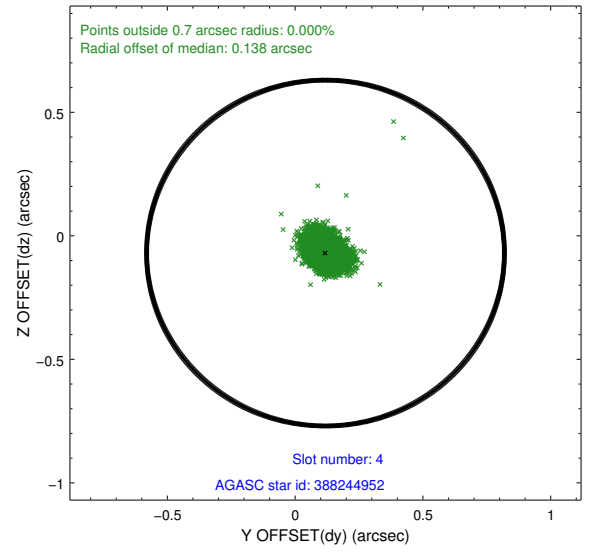
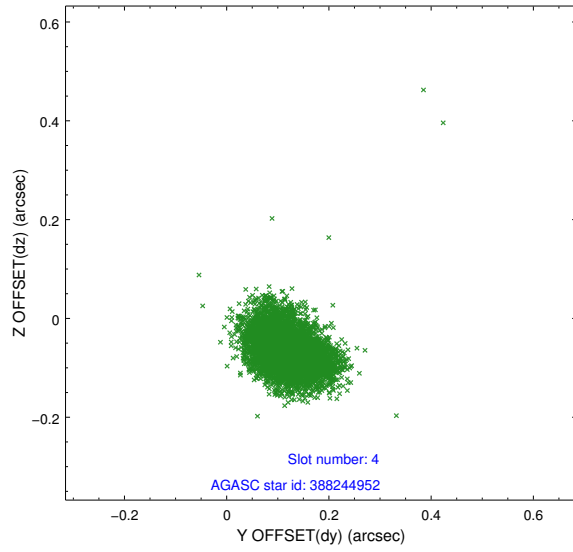
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2406	-0.105	-0.038	0.007	0.011	0.000000	0.000000	-768.50	-1736.06
1	FID	ACIS-S-4	7.20	2406	0.207	0.061	0.006	0.011	0.000000	0.000000	2144.84	171.96
2	FID	ACIS-S-5	7.23	2406	-0.134	-0.014	0.007	0.011	0.000000	0.000000	-1820.68	166.17
3	GUIDE	388243272	7.74	4812	-0.122	0.095	0.062	0.099	114.340399	40.785010	-822.04	-1197.09
4	GUIDE	388244952	7.75	4811	0.119	-0.070	0.062	0.099	113.817171	40.506408	891.10	-1535.26
5	GUIDE	388245528	7.34	4811	-0.088	-0.066	0.059	0.093	114.857542	40.671334	-1510.29	100.11
6	GUIDE	388249768	8.49	4811	0.083	0.048	0.053	0.087	114.277407	39.772597	1922.52	1207.22
7	GUIDE	388380496	7.23	4810	0.005	-0.014	0.048	0.074	115.078557	40.191312	-698.02	1742.00

2.4 Star Slots

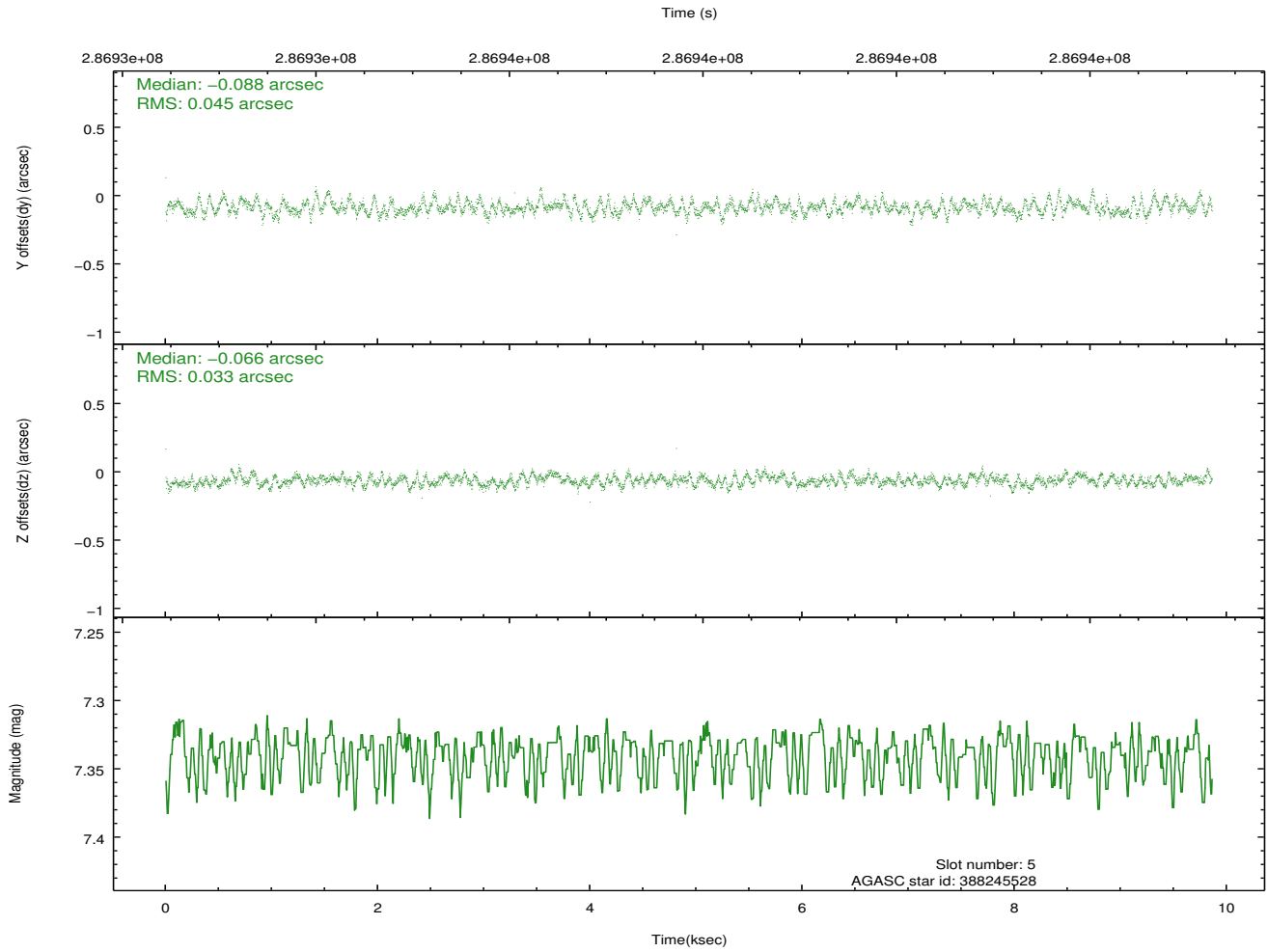
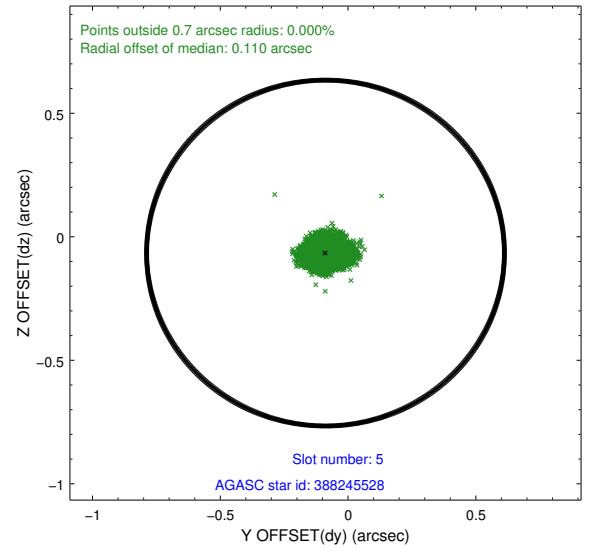
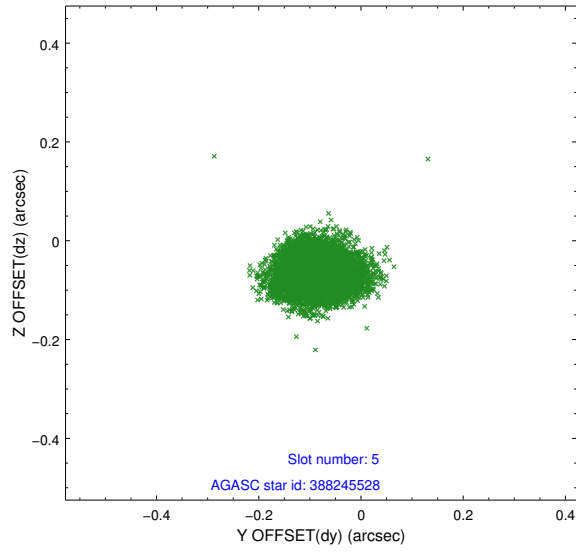
2.4.1 Slot 3



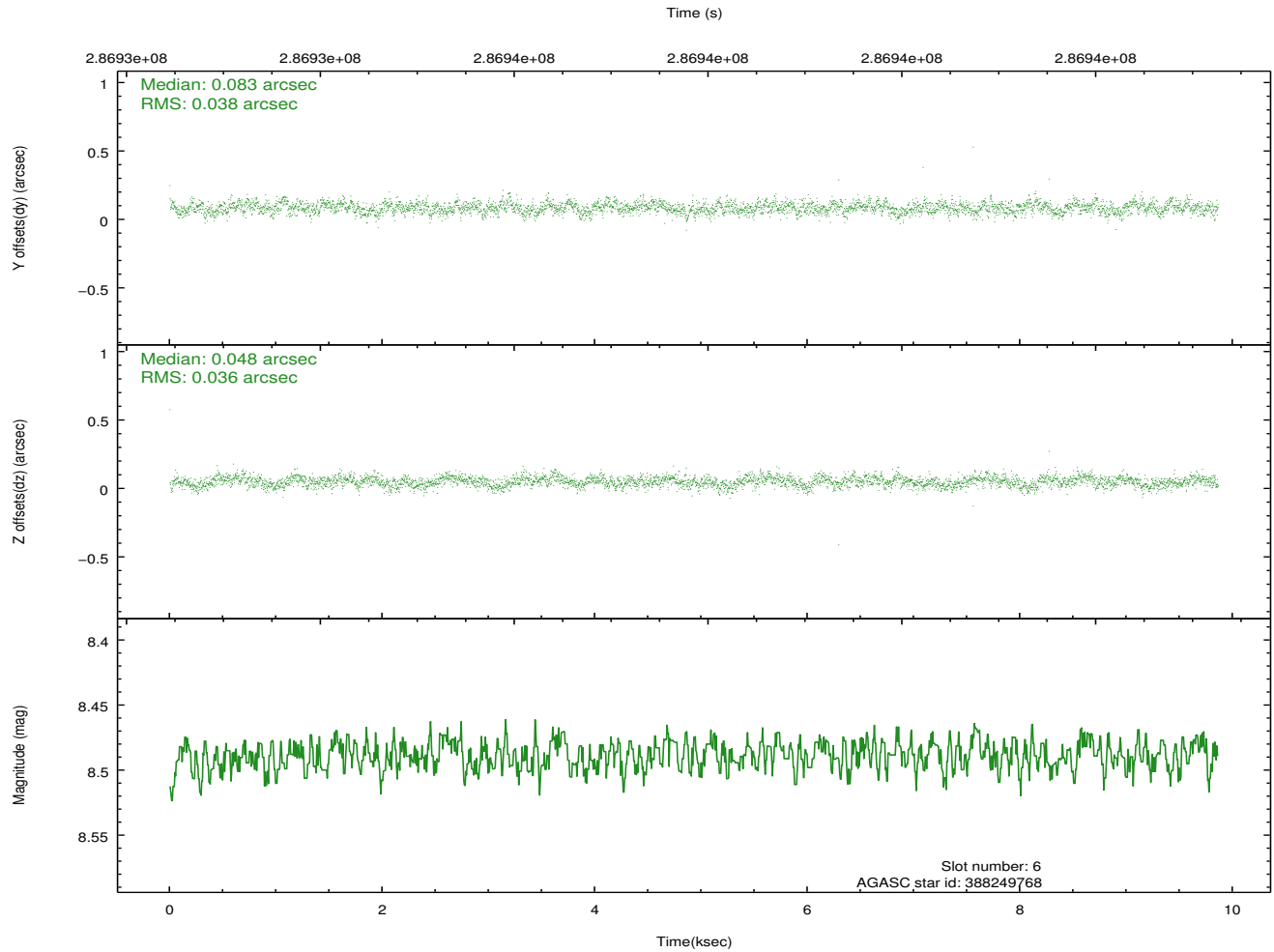
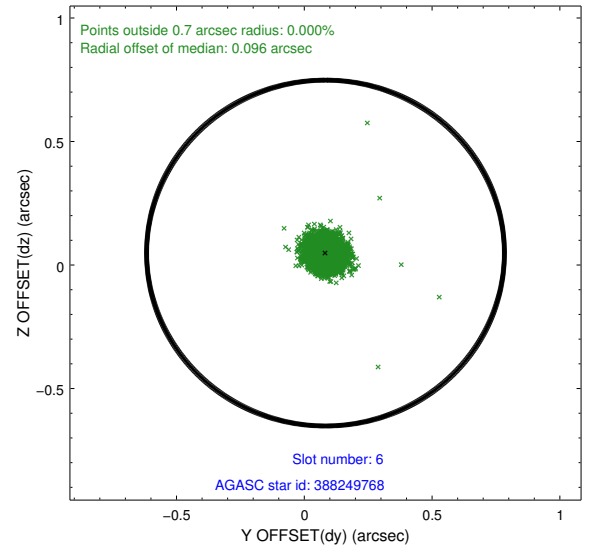
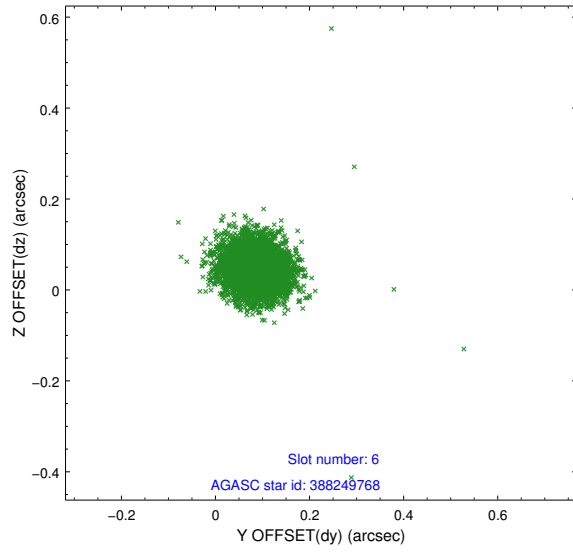
2.4.2 Slot 4



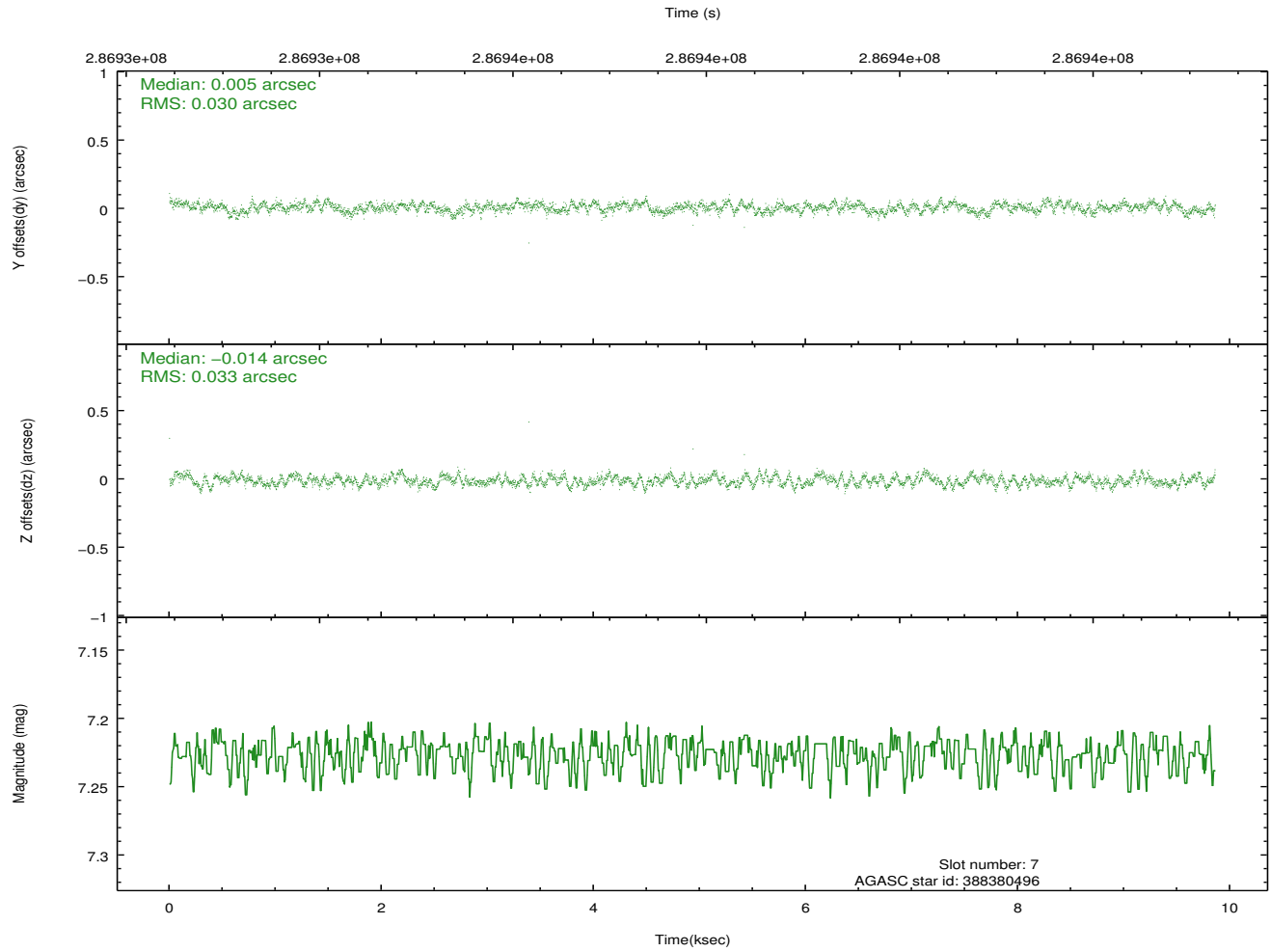
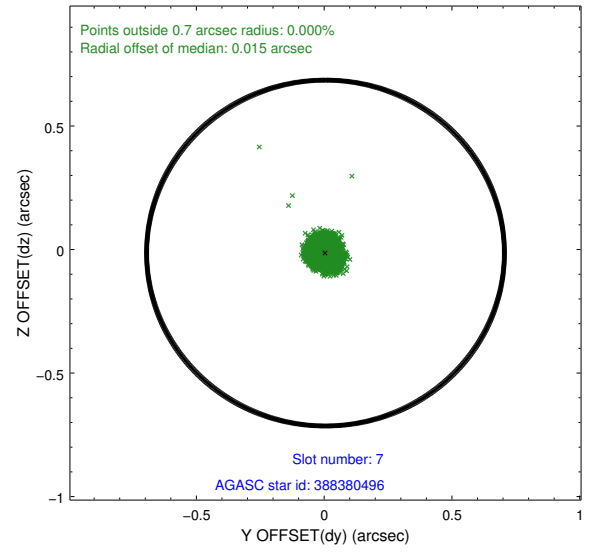
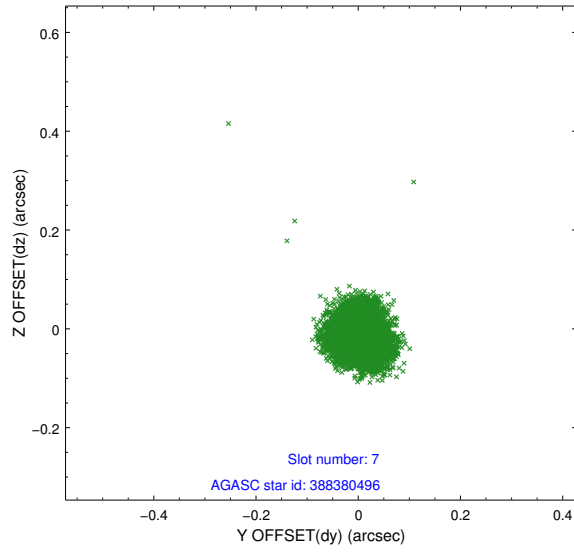
2.4.3 Slot 5



2.4.4 Slot 6

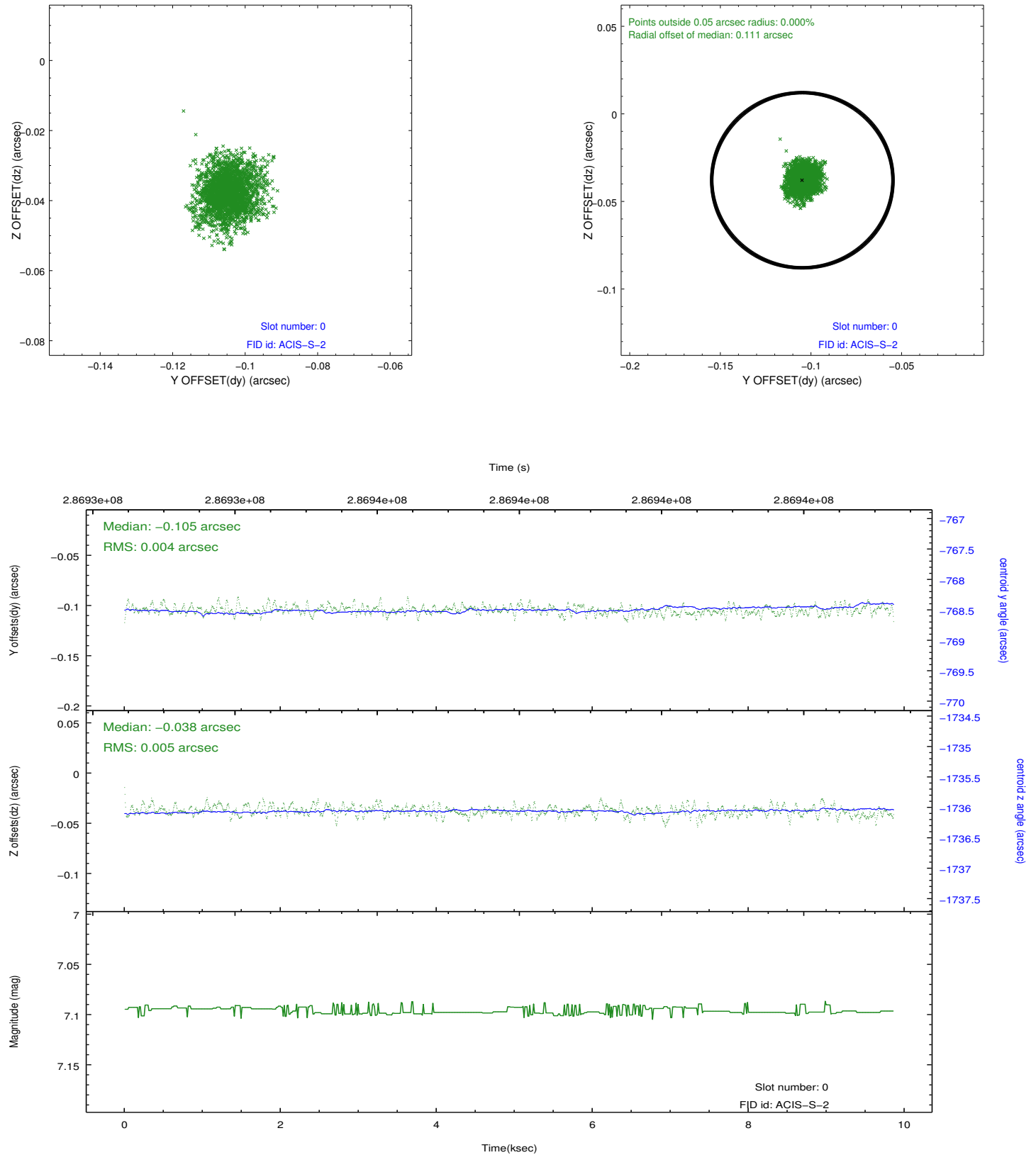


2.4.5 Slot 7

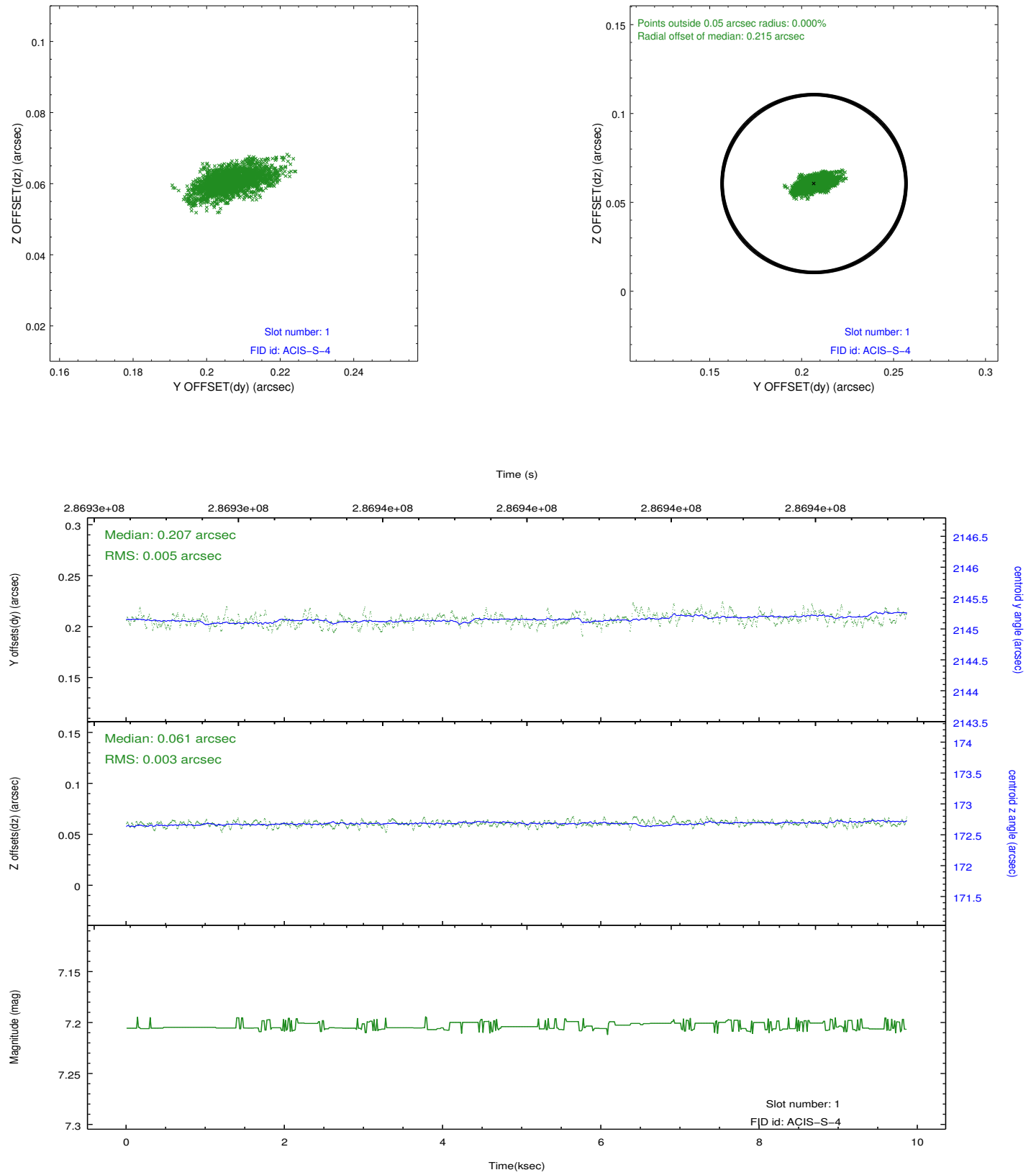


2.5 FID Slots

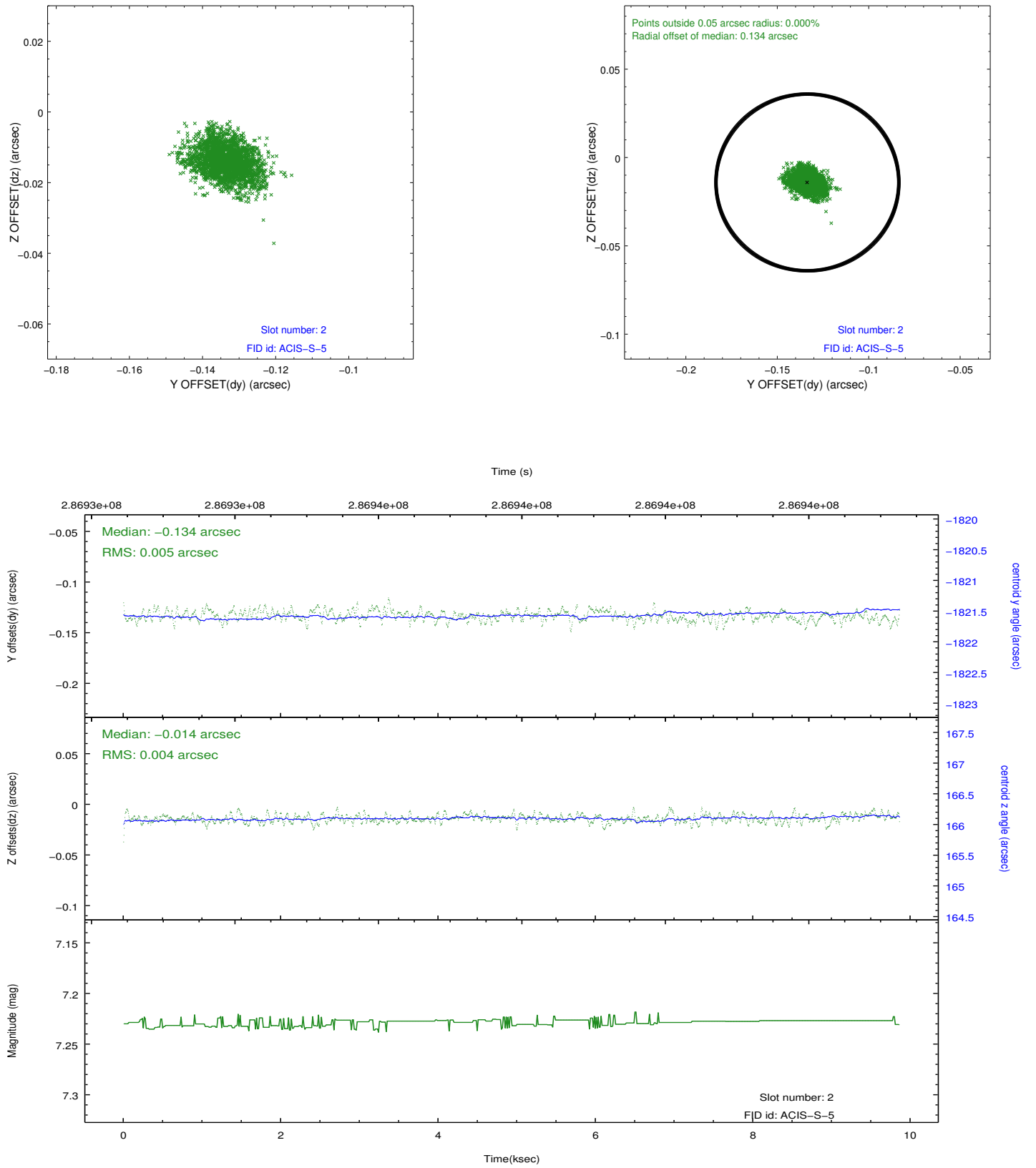
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.45190007

A.2 Comments