

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8670 - L2 Version 2
Chandra X-Ray Center

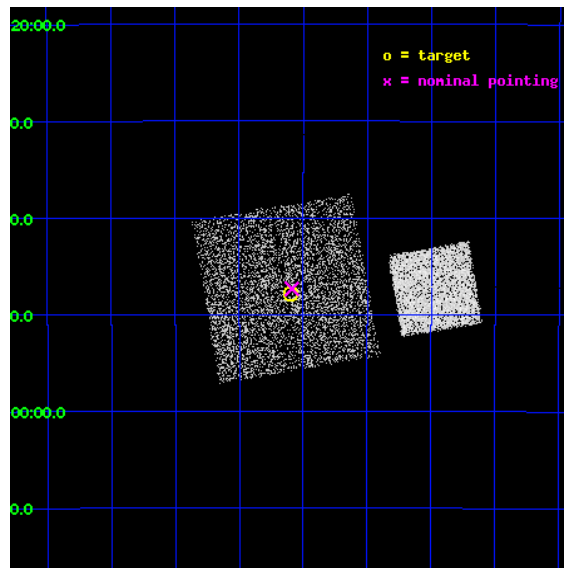
L2 Processing Date : May 15 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

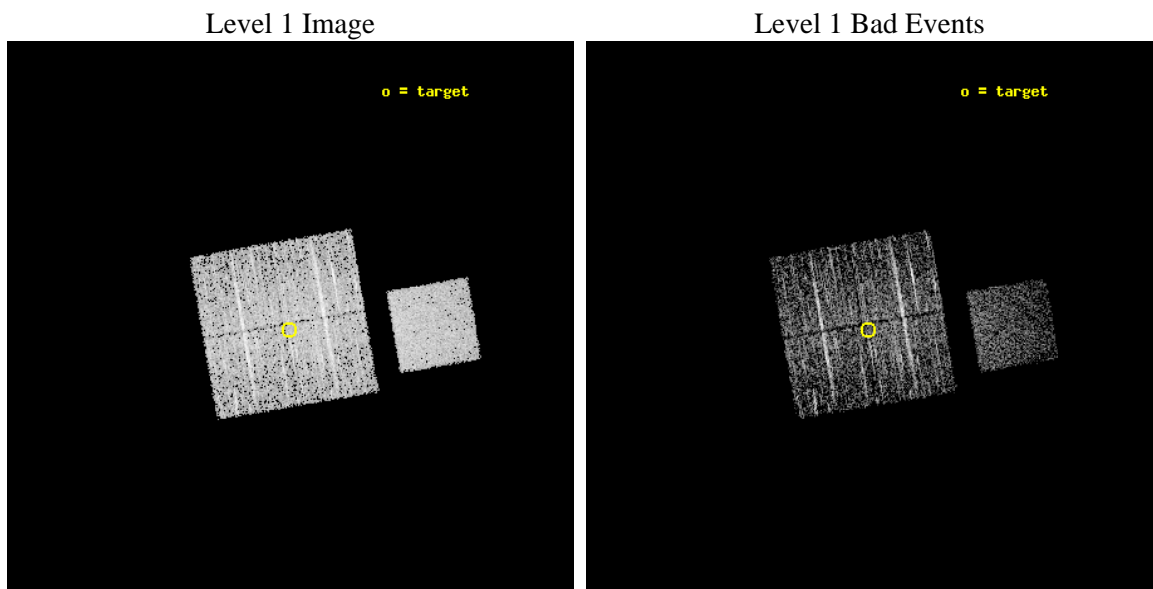
seq_num	400721	Sequence number
obs_id	8670	Observation id
title	The Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	GBSGTO3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.898286	Observer's specified target RA [deg]
dec_targ	-26.797049	Observer's specified target Dec [deg]
ra_nom	265.89708031165	Nominal RA [deg]
dec_nom	-26.78891348133	Nominal Dec [deg]
roll_nom	80.208150571341	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2179.2590364218	Sum of GTIs [s]
livetime	2150.7854127638	Livetime [s]
ontime0	2182.4000167847	Sum of GTIs [s]
ontime1	2182.4000167847	Sum of GTIs [s]
ontime2	2182.4000167847	Sum of GTIs [s]
ontime3	2179.2590364218	Sum of GTIs [s]
ontime7	2182.4000167847	Sum of GTIs [s]
l2events	15710	Number of level 2 events



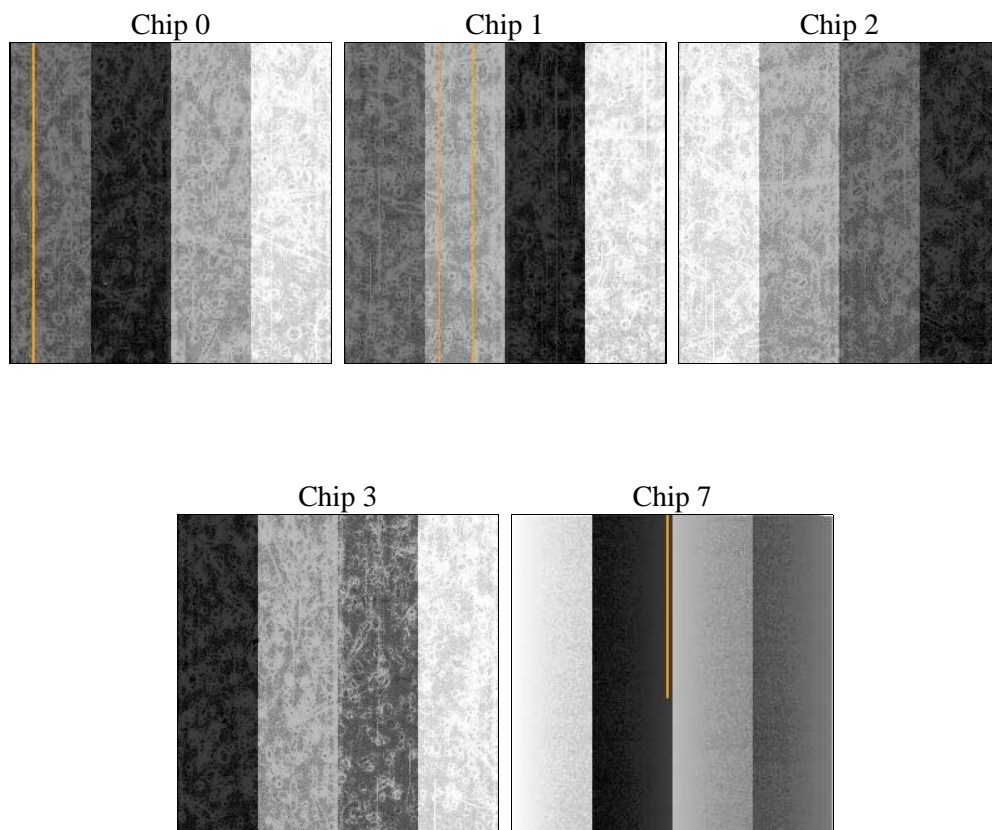
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2179.2590364218	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2182.4000167847	Sum of GTIs [s]
date	2012-05-15T03:07:55	Date and time of file creation	ontime1	2182.4000167847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2182.4000167847	Sum of GTIs [s]
			ontime3	2179.2590364218	Sum of GTIs [s]
			ontime7	2182.4000167847	Sum of GTIs [s]
			l1events	101981	Number of level 1 events

2.1.4 Events

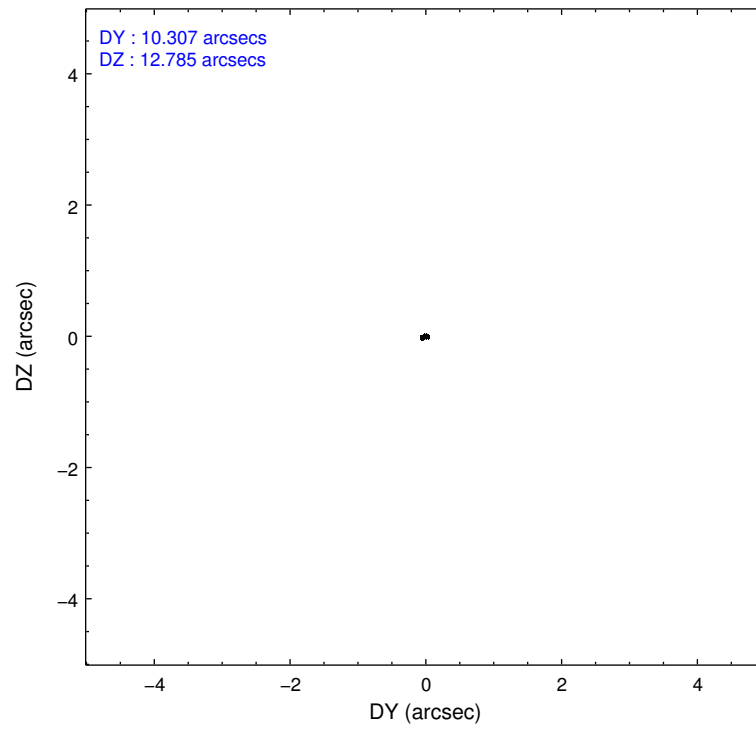
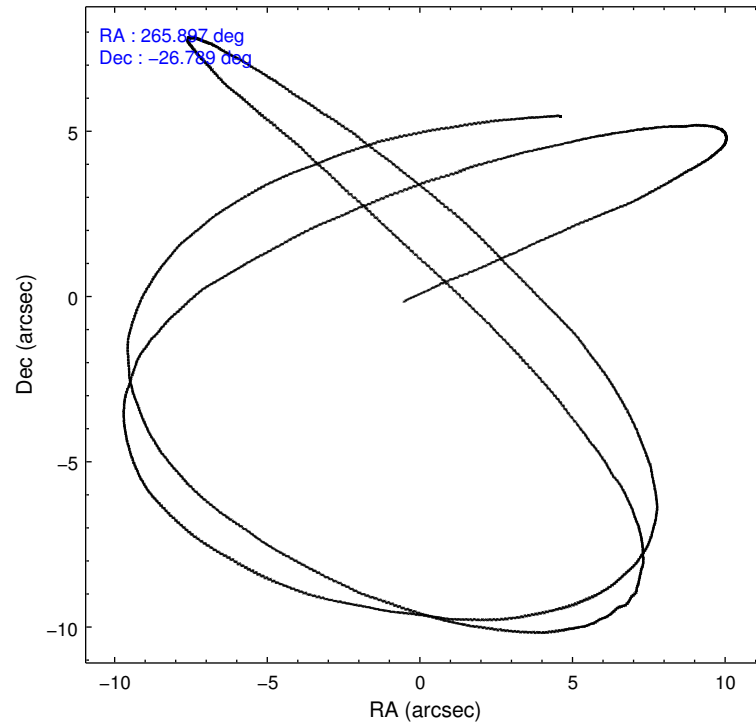
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	18386	19282	21282	20151	22880
rejected events	16368	17023	19319	18199	13844
rejected %	89%	88%	90%	90%	60%

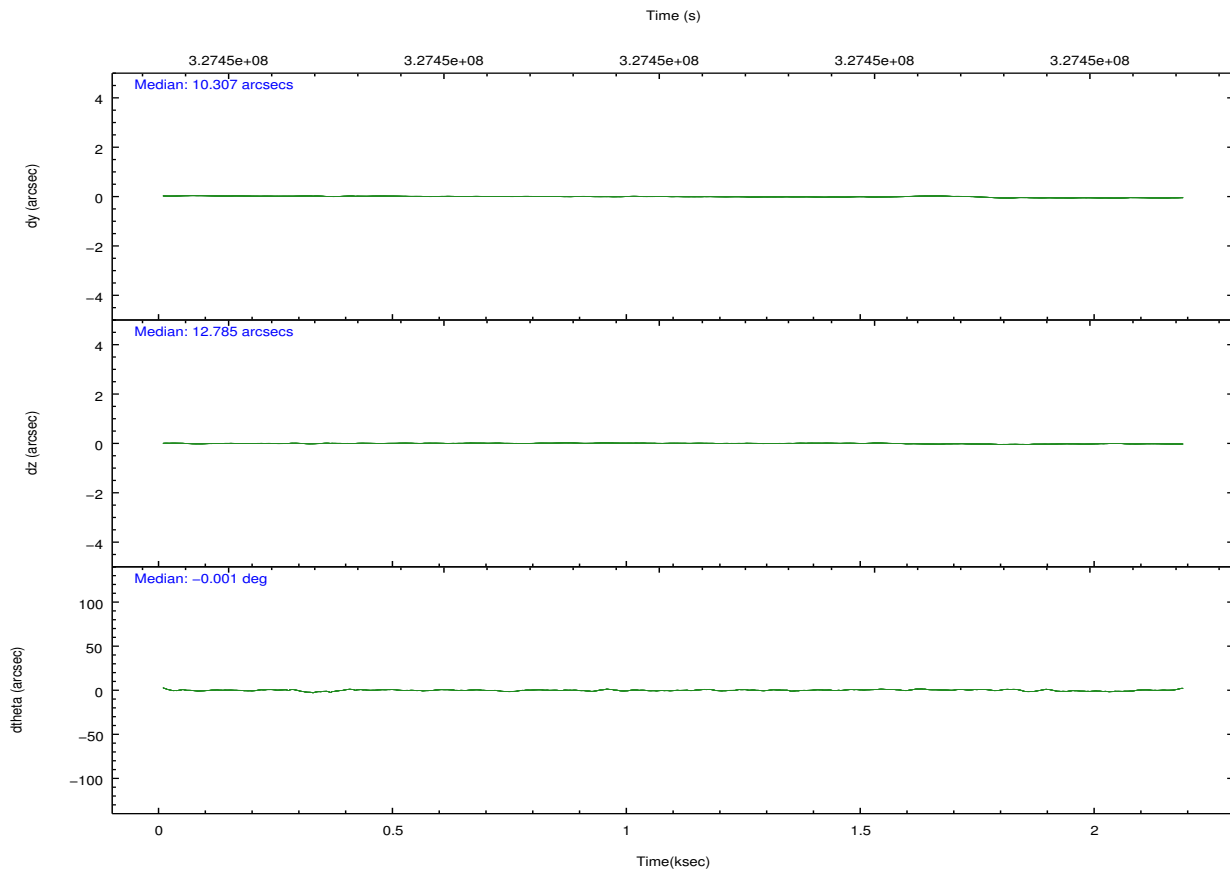
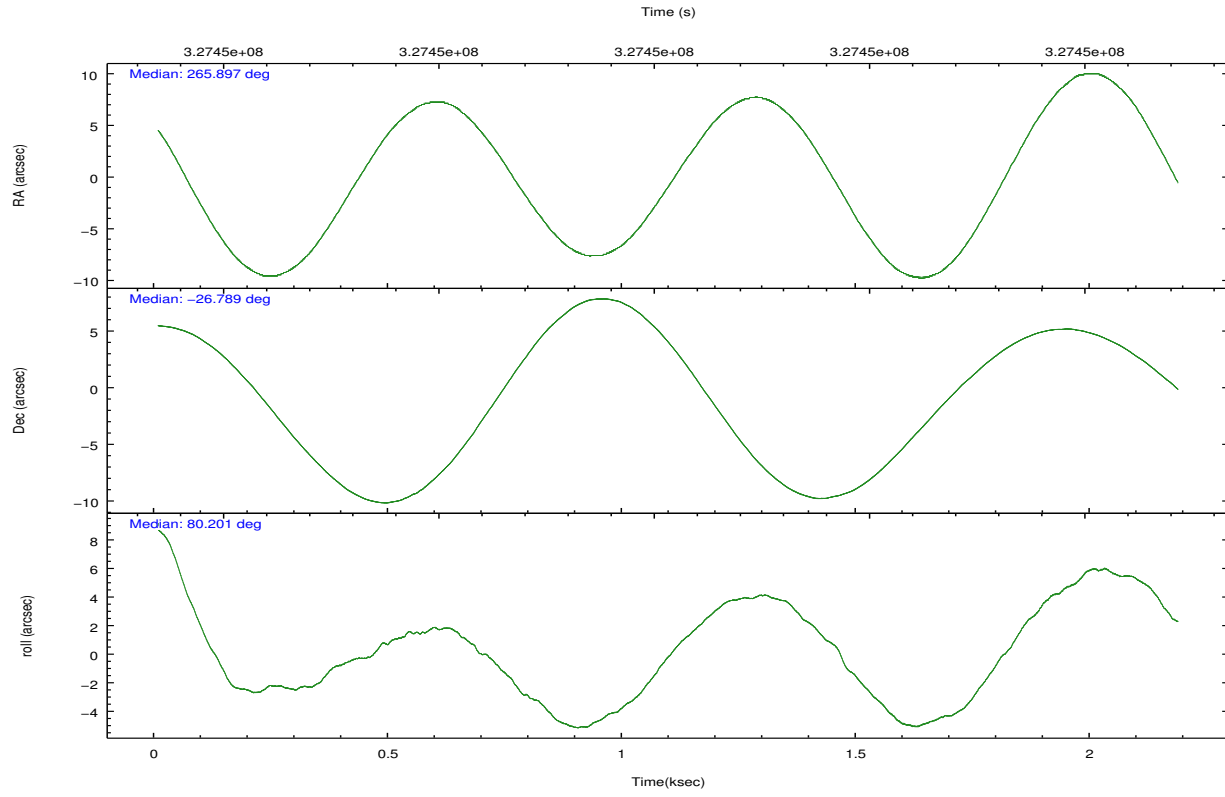
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	936	1042	950	870	957
	5%	5%	4%	4%	4%
grade 1 events	9	19	10	15	27
	0%	0%	0%	0%	0%
grade 2 events	544	568	504	455	2063
	2%	2%	2%	2%	9%
grade 3 events	250	247	210	232	934
	1%	1%	0%	1%	4%
grade 4 events	208	251	231	250	965
	1%	1%	1%	1%	4%
grade 5 events	725	806	649	807	2369
	3%	4%	3%	4%	10%
grade 6 events	377	476	384	415	5484
	2%	2%	1%	2%	23%
grade 7 events	15337	15873	18344	17107	10081
	83%	82%	86%	84%	44%

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	265.907861	265.8970803116467	CCD I2 on	Y	Y
[deg] Pointing Dec	-26.814807	-26.78891348133021	CCD I3 on	Y	Y
[deg] Pointing Roll	80.004327	80.20815057134089	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)	327447134.184000	327446758.53191	CCD S5 on	N	N
Observation start date	2008-05-17T21:31:09	2008-05-17T21:25:58	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	327449134.184000	327449267.73203	On-chip summing requested	N	N
Observation end date	2008-05-17T22:04:29	2008-05-17T22:07:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



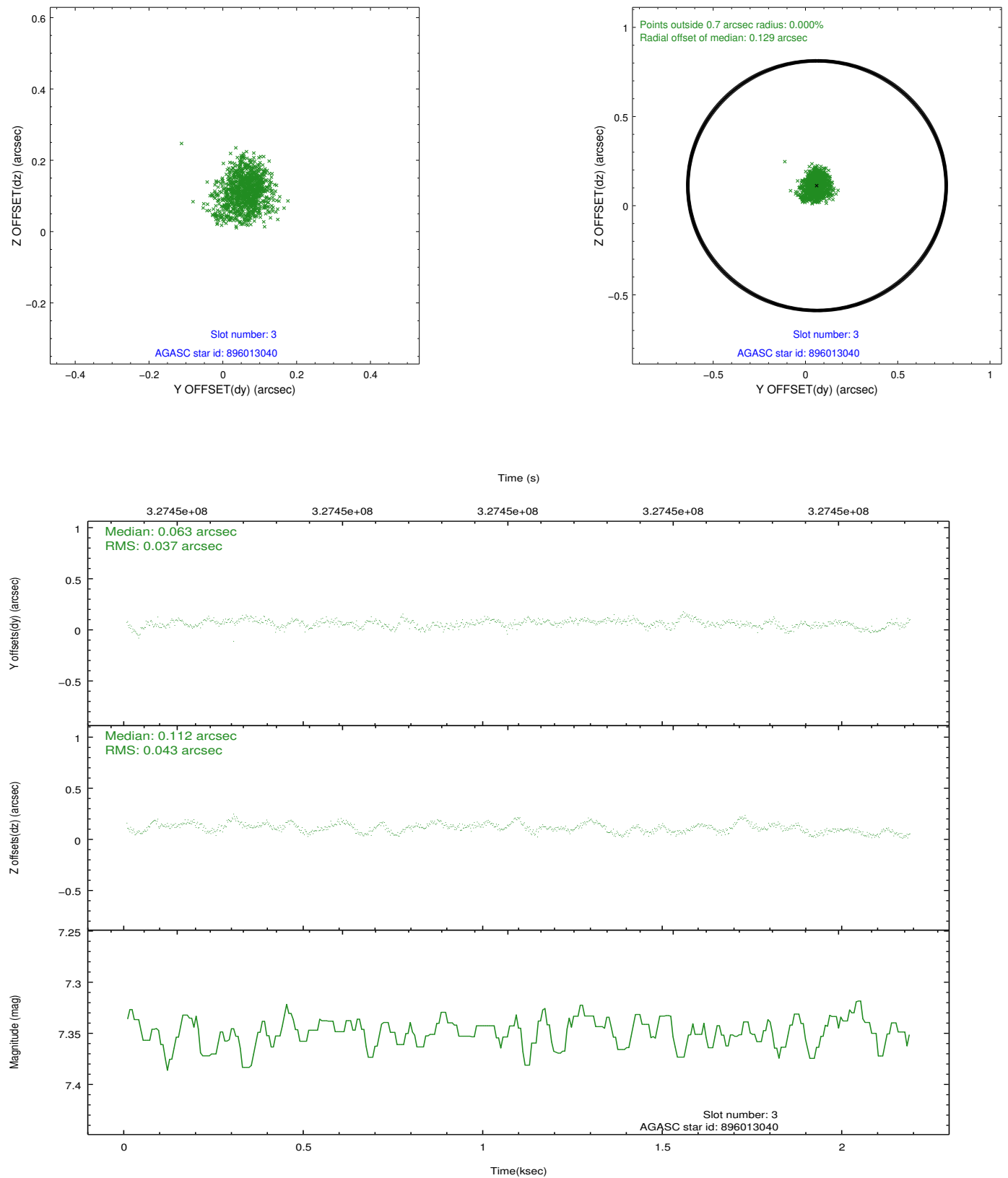


Slot Statistics

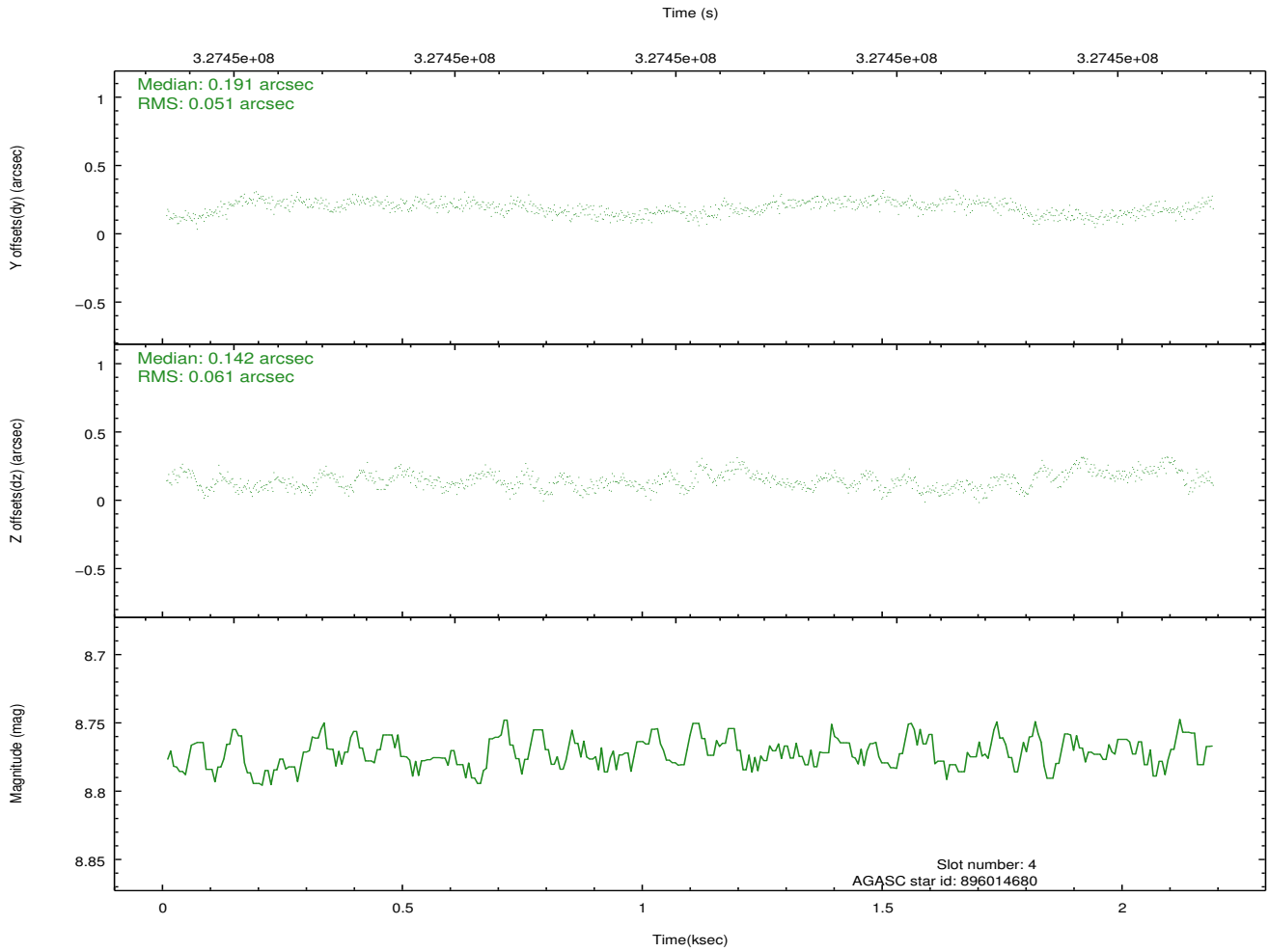
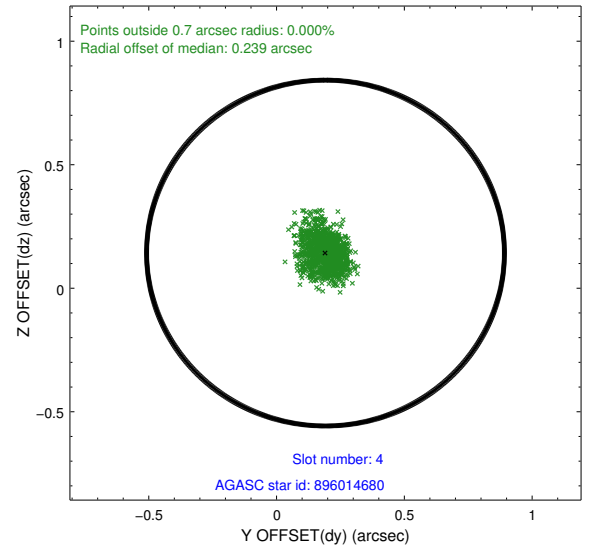
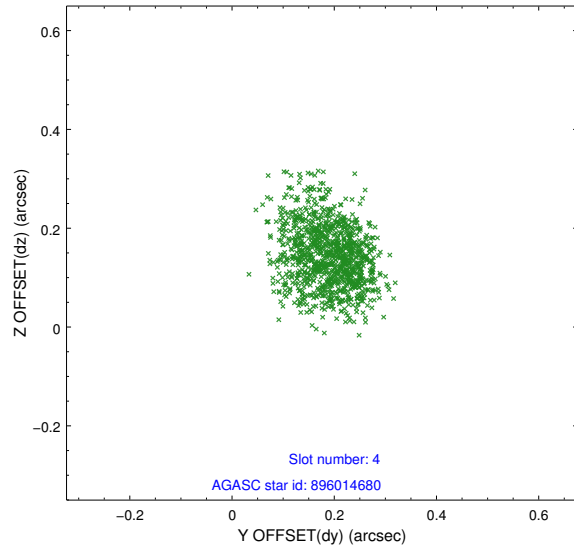
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.93	531	-0.074	-0.088	0.010	0.018	0.000000	0.000000	-764.97	-842.76
1	FID	ACIS-I-4	6.97	532	0.160	0.071	0.006	0.011	0.000000	0.000000	2147.98	1062.02
2	FID	ACIS-I-5	7.00	532	-0.186	0.086	0.009	0.014	0.000000	0.000000	-1815.04	1063.35
3	GUIDE	896013040	7.35	1065	0.063	0.112	0.061	0.098	266.506589	-26.972299	-229.24	-1990.93
4	GUIDE	896014680	8.77	1065	0.191	0.142	0.085	0.136	266.460330	-27.216583	-1121.20	-1995.47
5	GUIDE	896015112	9.19	1064	-0.034	0.069	0.102	0.173	266.684847	-26.286161	2301.17	-2142.47
6	GUIDE	896015880	8.50	1065	-0.245	-0.221	0.075	0.120	265.986633	-26.306686	1847.29	65.12
7	GUIDE	895882464	8.80	1063	0.029	-0.107	0.063	0.107	265.568948	-26.820420	-208.82	1068.47

2.4 Star Slots

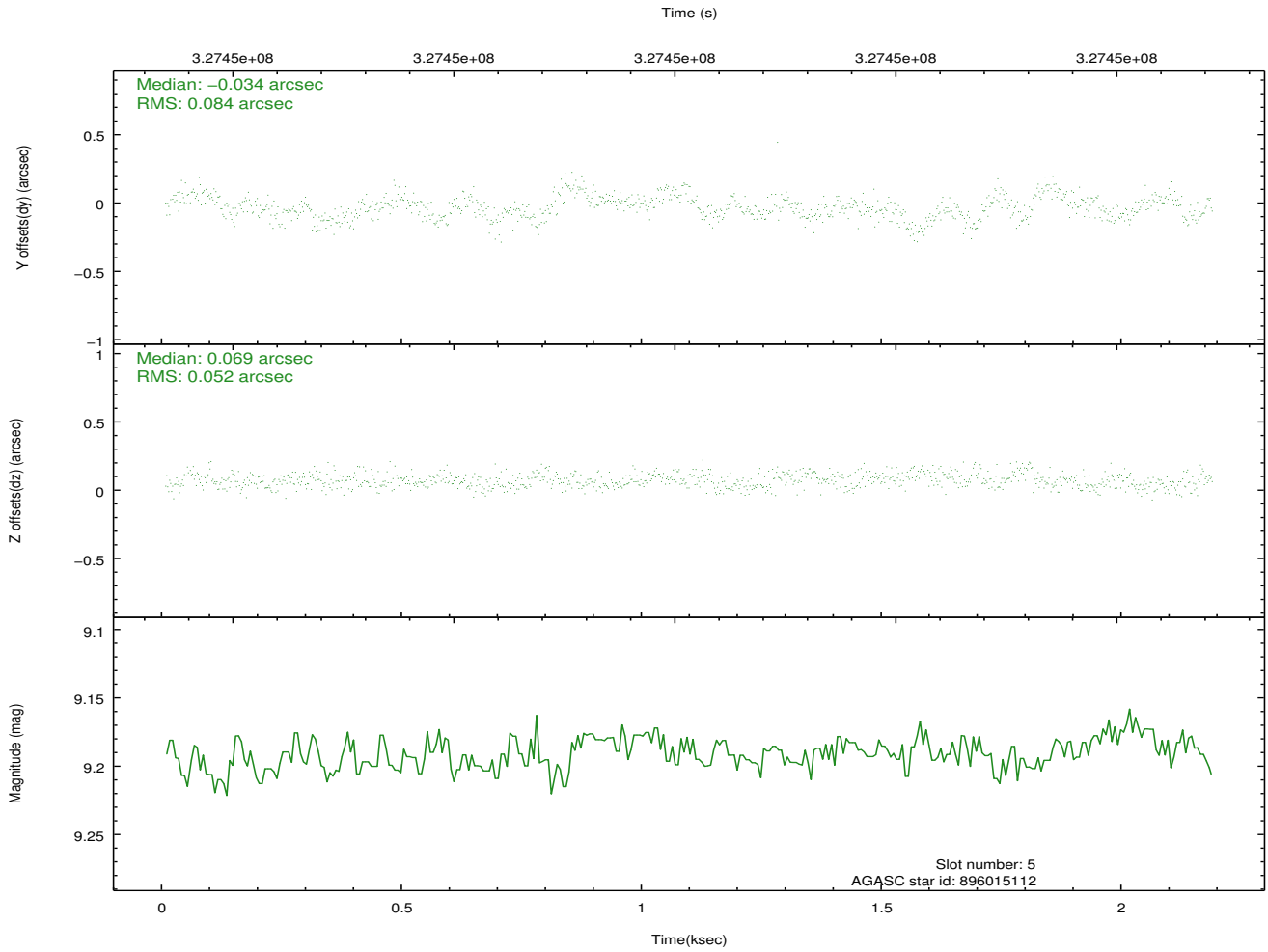
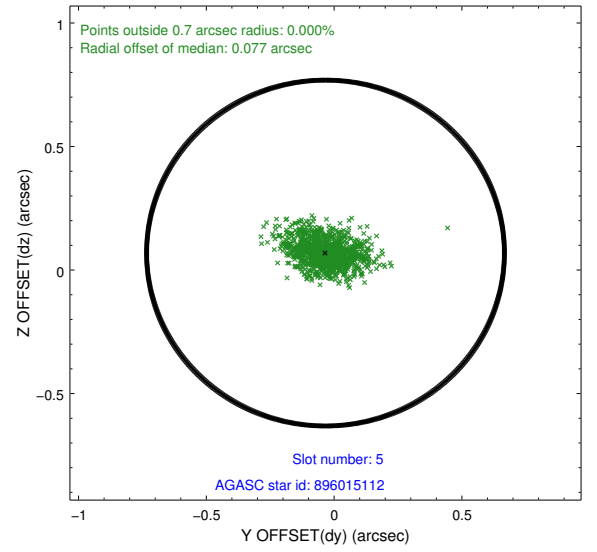
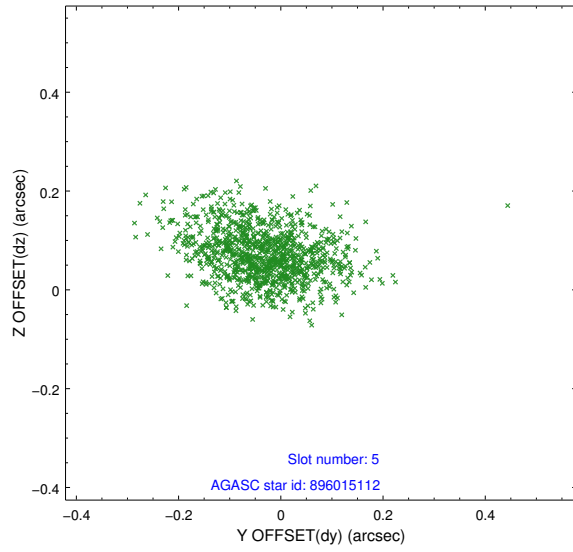
2.4.1 Slot 3



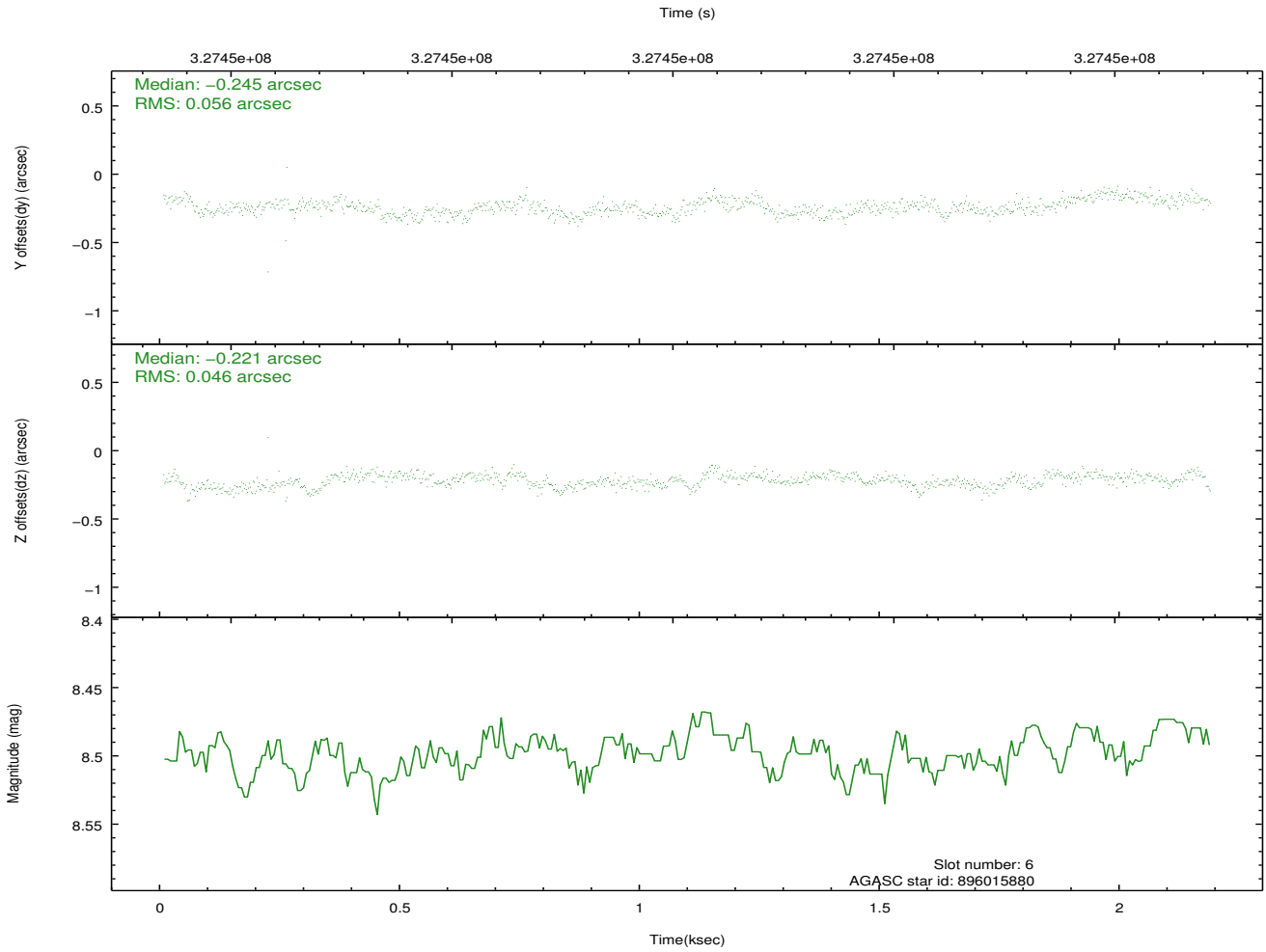
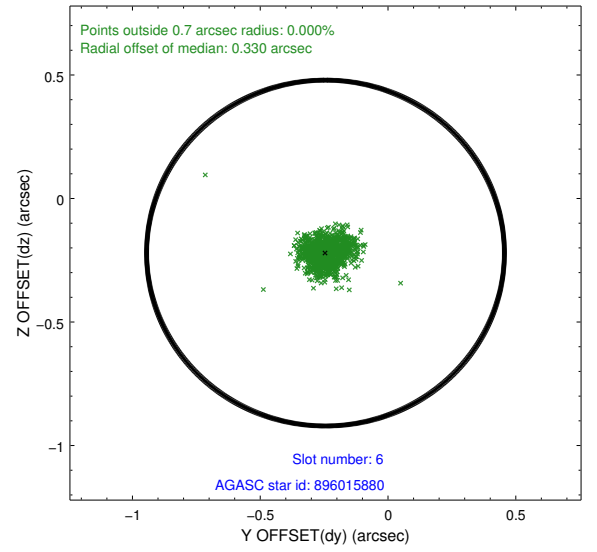
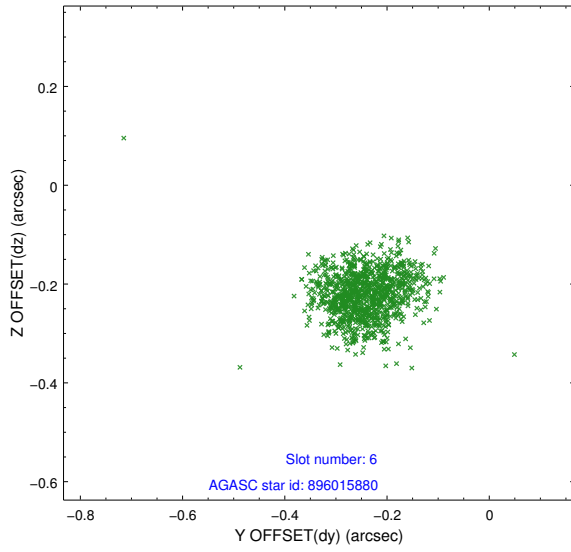
2.4.2 Slot 4



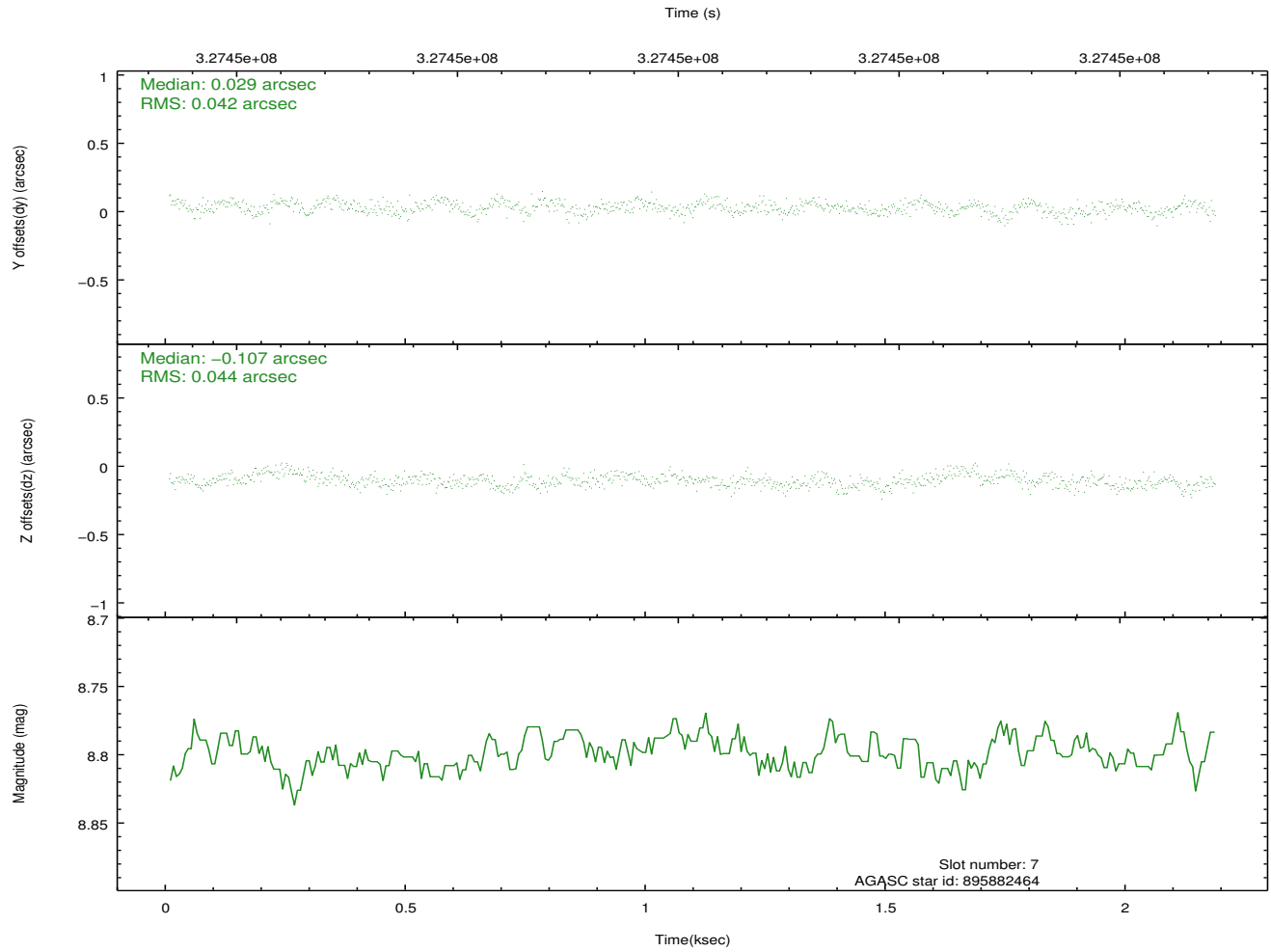
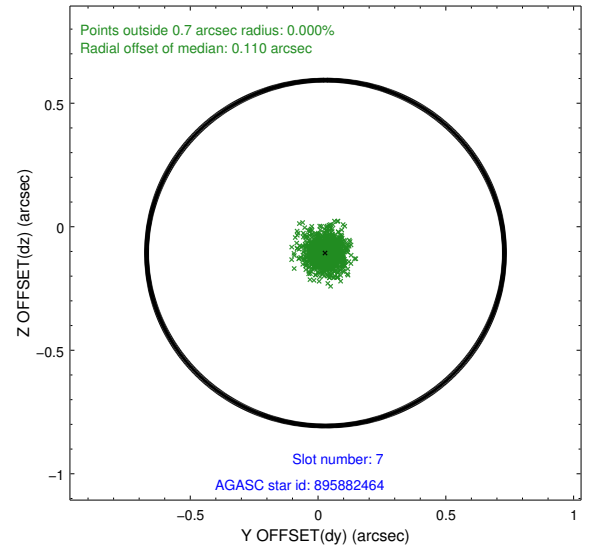
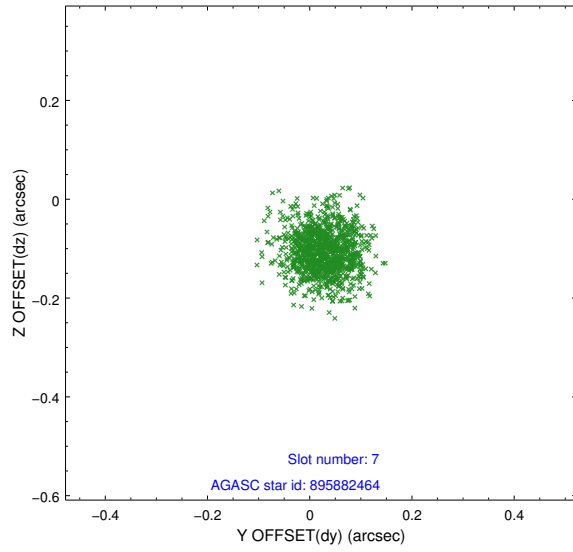
2.4.3 Slot 5



2.4.4 Slot 6

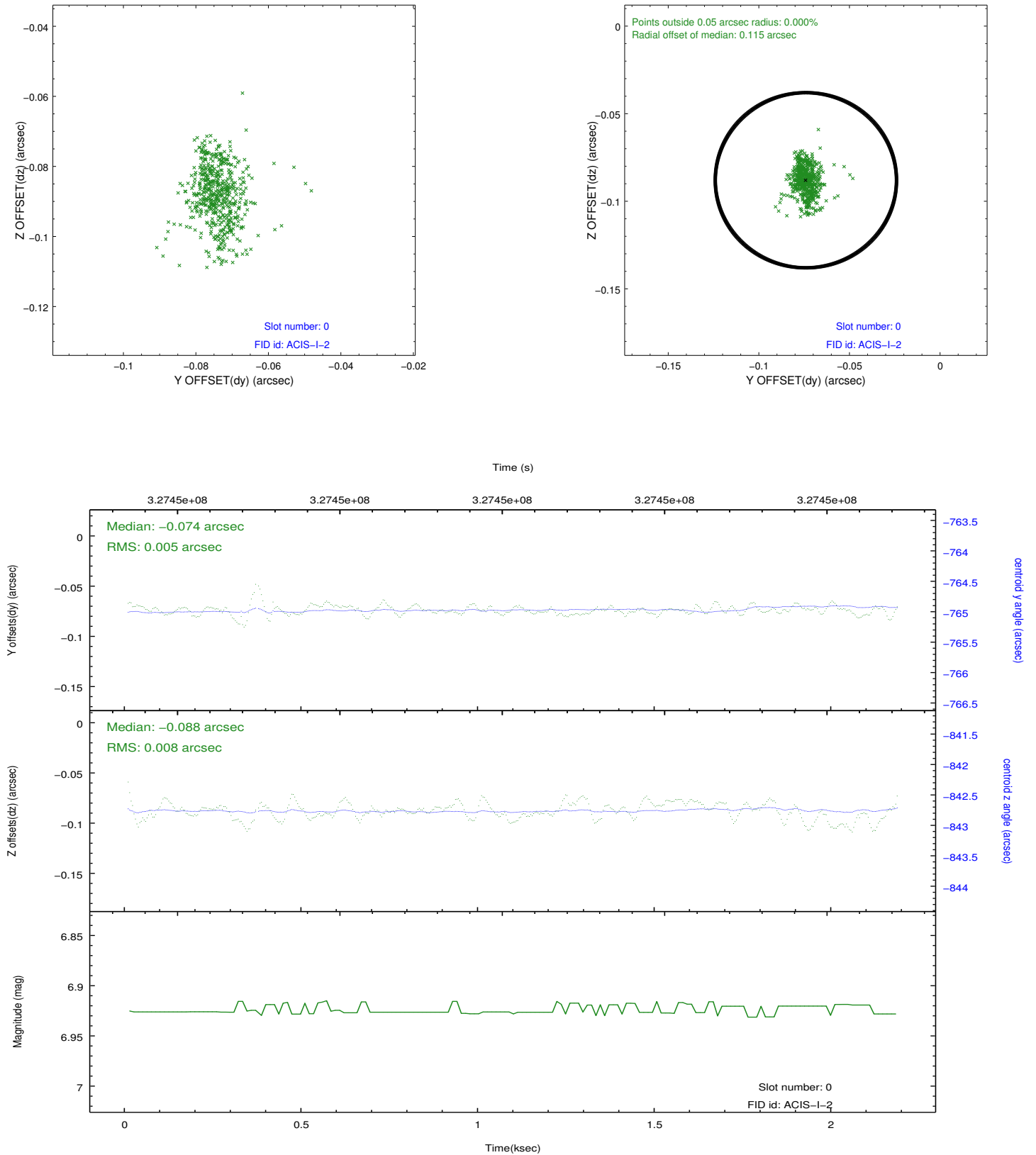


2.4.5 Slot 7

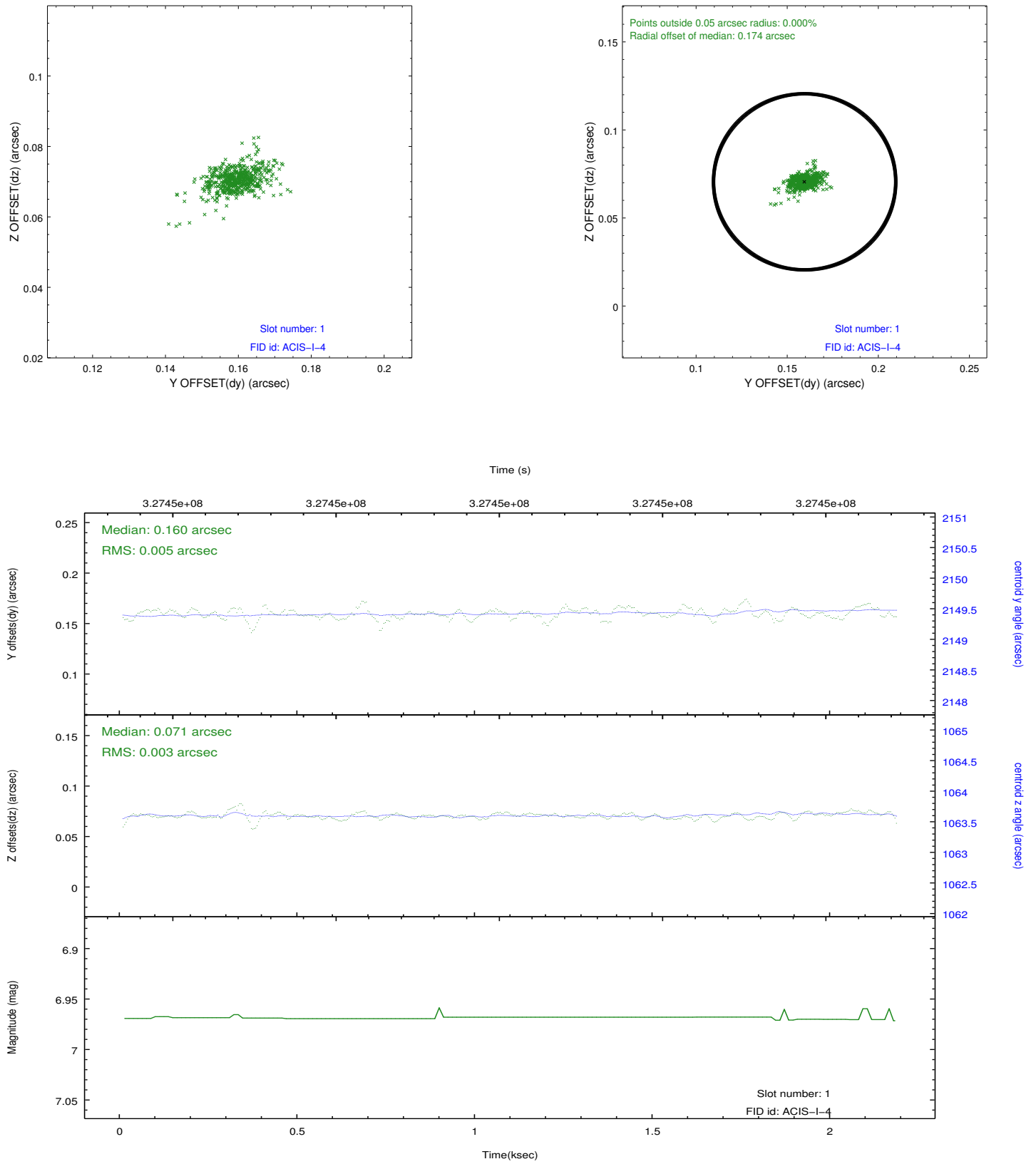


2.5 FID Slots

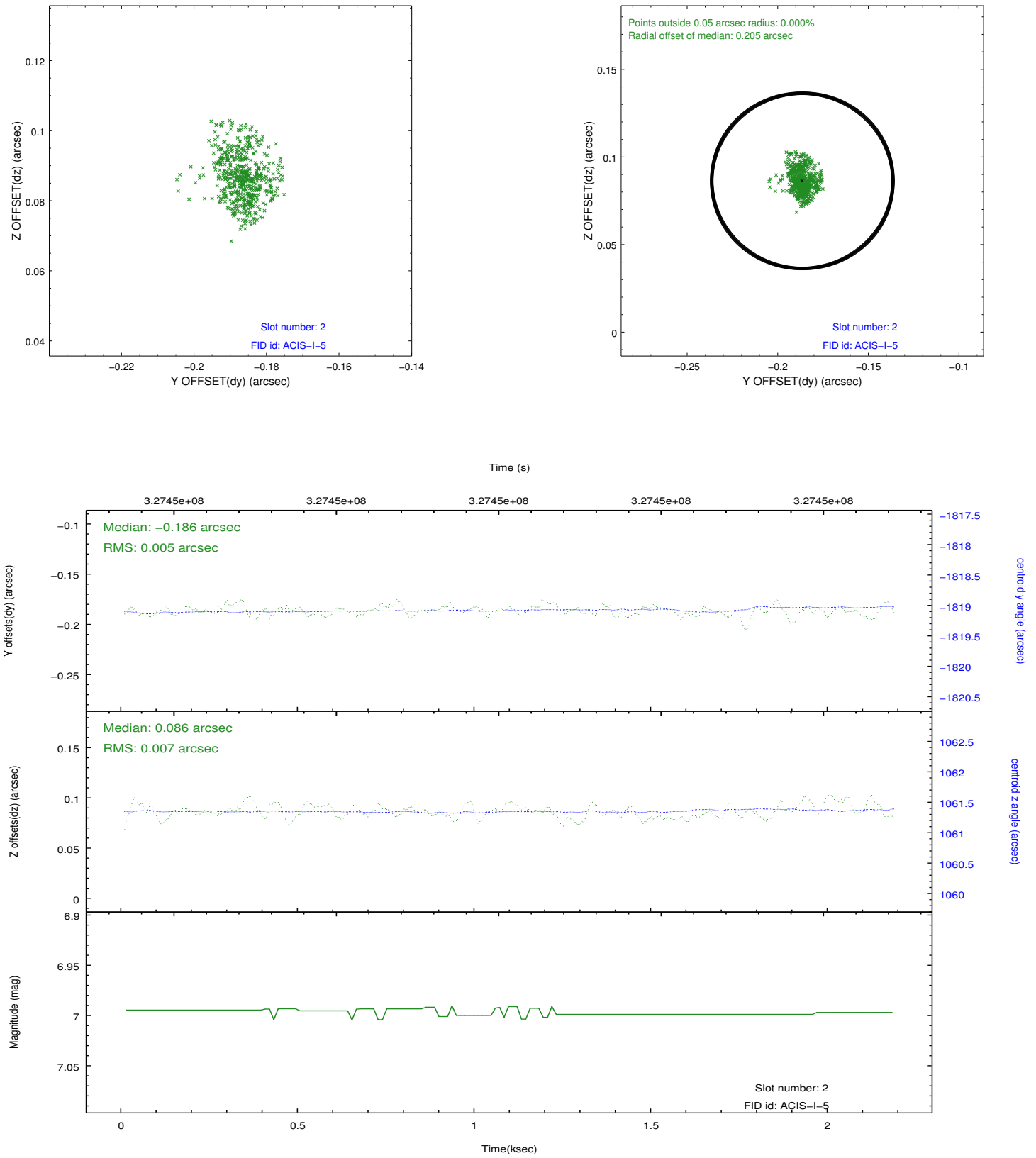
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17925903

A.2 Comments