

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 621 - L2 Version 4
Chandra X-Ray Center

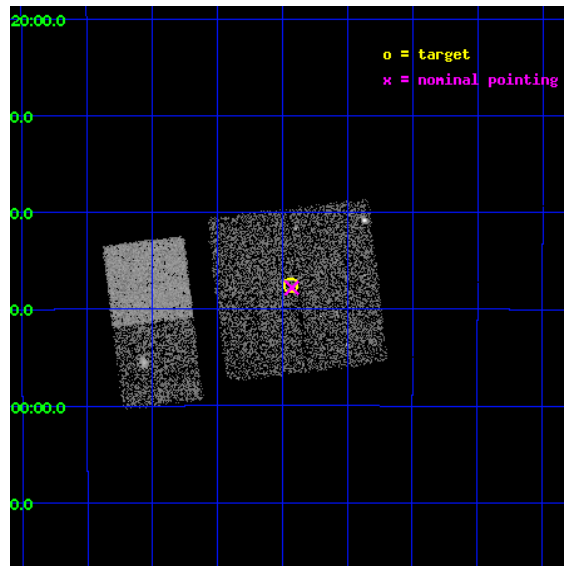
L2 Processing Date : Aug 30 2012

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1 Front

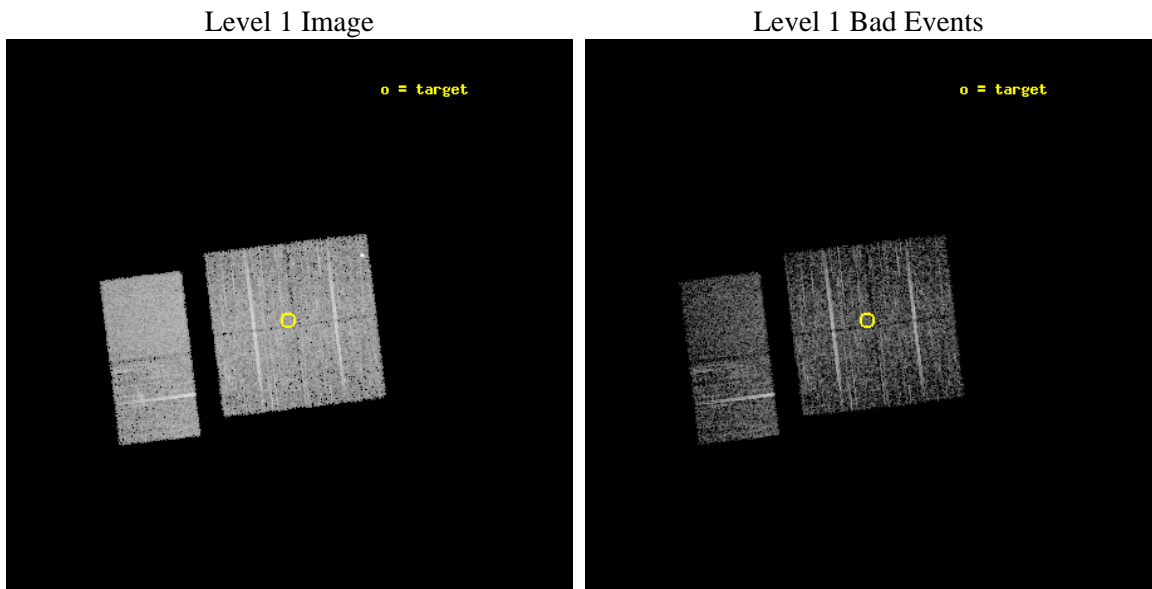
seq_num	200046	Sequence number
obs_id	621	Observation id
title	X-RAYS FROM THE RHO OPHIUCHI YOUNG STAR CLUSTER	Proposal title
observer	Dr. Thierry Montmerle	Principal investigator
object	OPHIUCHI MOSAIC #9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.109167	Observer's specified target RA [deg]
dec_targ	-24.7925	Observer's specified target Dec [deg]
ra_nom	247.10654218147	Nominal RA [deg]
dec_nom	-24.796801979595	Nominal Dec [deg]
roll_nom	263.11868281866	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5116.8000047505	Sum of GTIs [s]
livetime	5052.0080021233	Livetime [s]
ontime0	5116.8000047505	Sum of GTIs [s]
ontime1	5116.8000047505	Sum of GTIs [s]
ontime2	5116.8000047505	Sum of GTIs [s]
ontime3	5116.8000047505	Sum of GTIs [s]
ontime6	5116.8000047505	Sum of GTIs [s]
ontime7	5116.8000047505	Sum of GTIs [s]
l2events	30588	Number of level 2 events



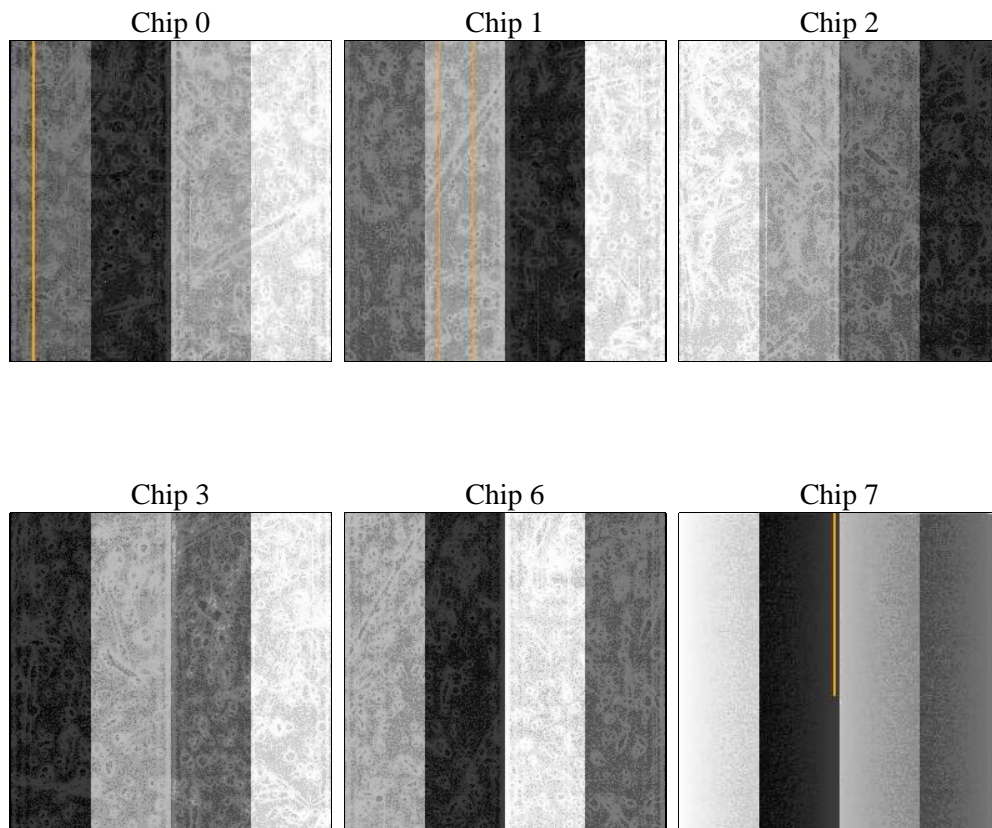
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5116.8000047505	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	5116.8000047505	Sum of GTIs [s]
date	2012-08-30T21:12:16	Date and time of file creation	ontime1	5116.8000047505	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	5116.8000047505	Sum of GTIs [s]
			ontime3	5116.8000047505	Sum of GTIs [s]
			ontime6	5116.8000047505	Sum of GTIs [s]
			ontime7	5116.8000047505	Sum of GTIs [s]
			l1events	181335	Number of level 1 events

2.1.4 Events

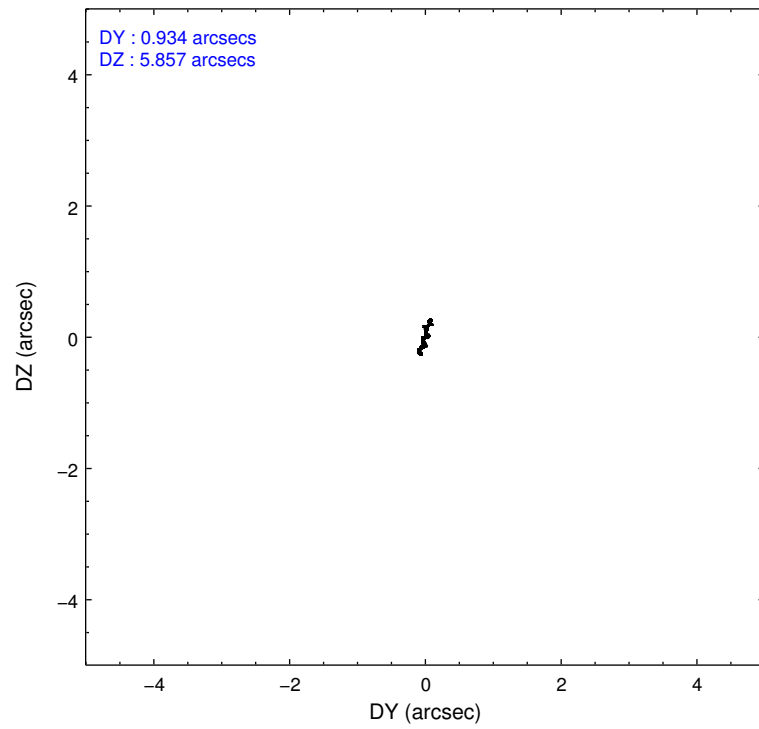
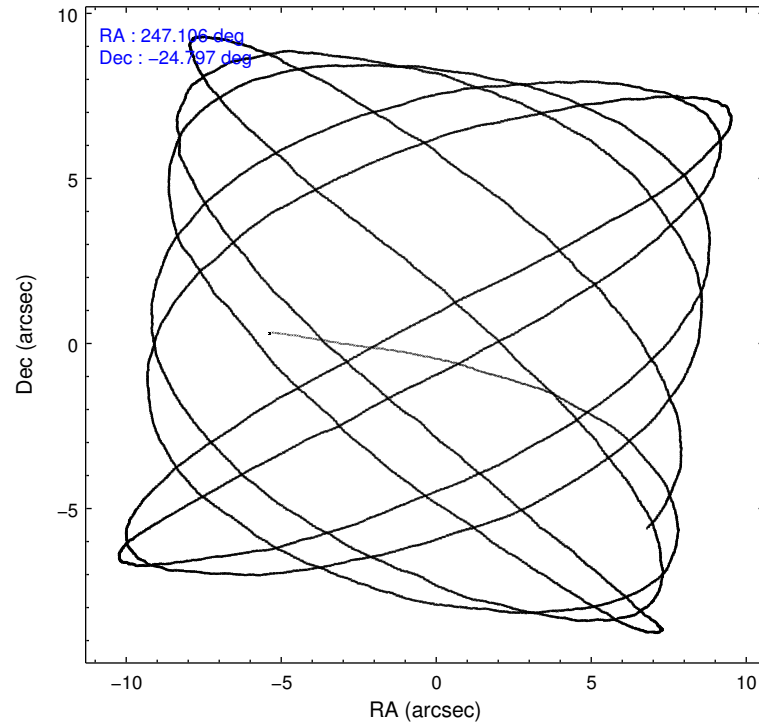
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27007	27627	29994	29840	30857	36010	grade 0 events	1606	2240	1382	1444	1742	1532
rejected events	23505	23142	26800	26485	27050	20808		5%	8%	4%	4%	5%	4%
rejected %	87%	83%	89%	88%	87%	57%	grade 1 events	16	17	11	17	18	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	720	786	638	678	759	2910
								2%	2%	2%	2%	2%	8%
							grade 3 events	319	393	293	326	369	1467
								1%	1%	0%	1%	1%	4%
							grade 4 events	318	415	306	299	332	1362
								1%	1%	1%	1%	1%	3%
							grade 5 events	980	1028	964	1048	1197	3378
								3%	3%	3%	3%	3%	9%
							grade 6 events	546	660	578	613	616	7957
								2%	2%	1%	2%	1%	22%
							grade 7 events	22502	22088	25822	25415	25824	17378
								83%	79%	86%	85%	83%	48%

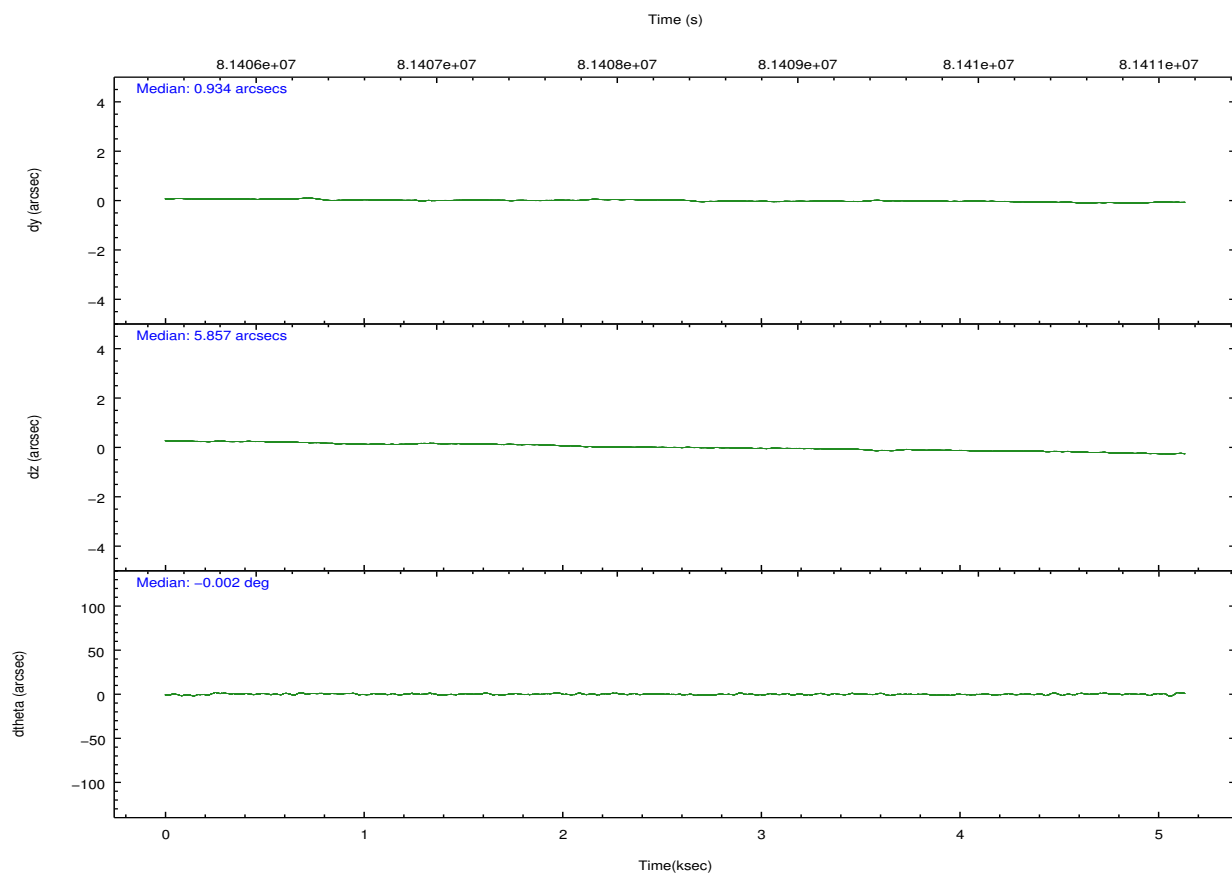
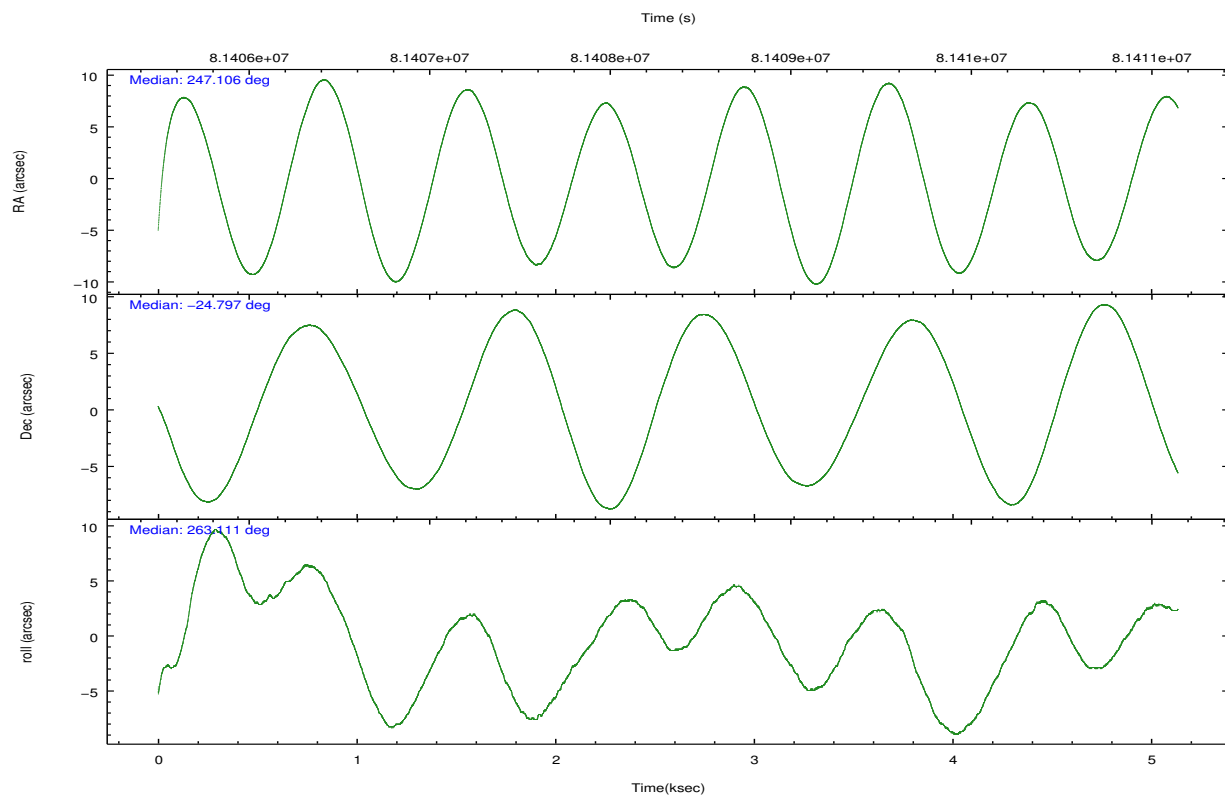
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	247.094673	247.1065421814717
[deg] Pointing Dec	-24.771382	-24.79680197959504
[deg] Pointing Roll	262.905014	263.1186828186592
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	81405885.184000	81404754.011287
Observation start date	2000-07-31T04:43:41	2000-07-31T04:25:54
[s] Observation end time (MET)	81410885.184000	81411429.324035
Observation end date	2000-07-31T06:07:01	2000-07-31T06:17:09
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



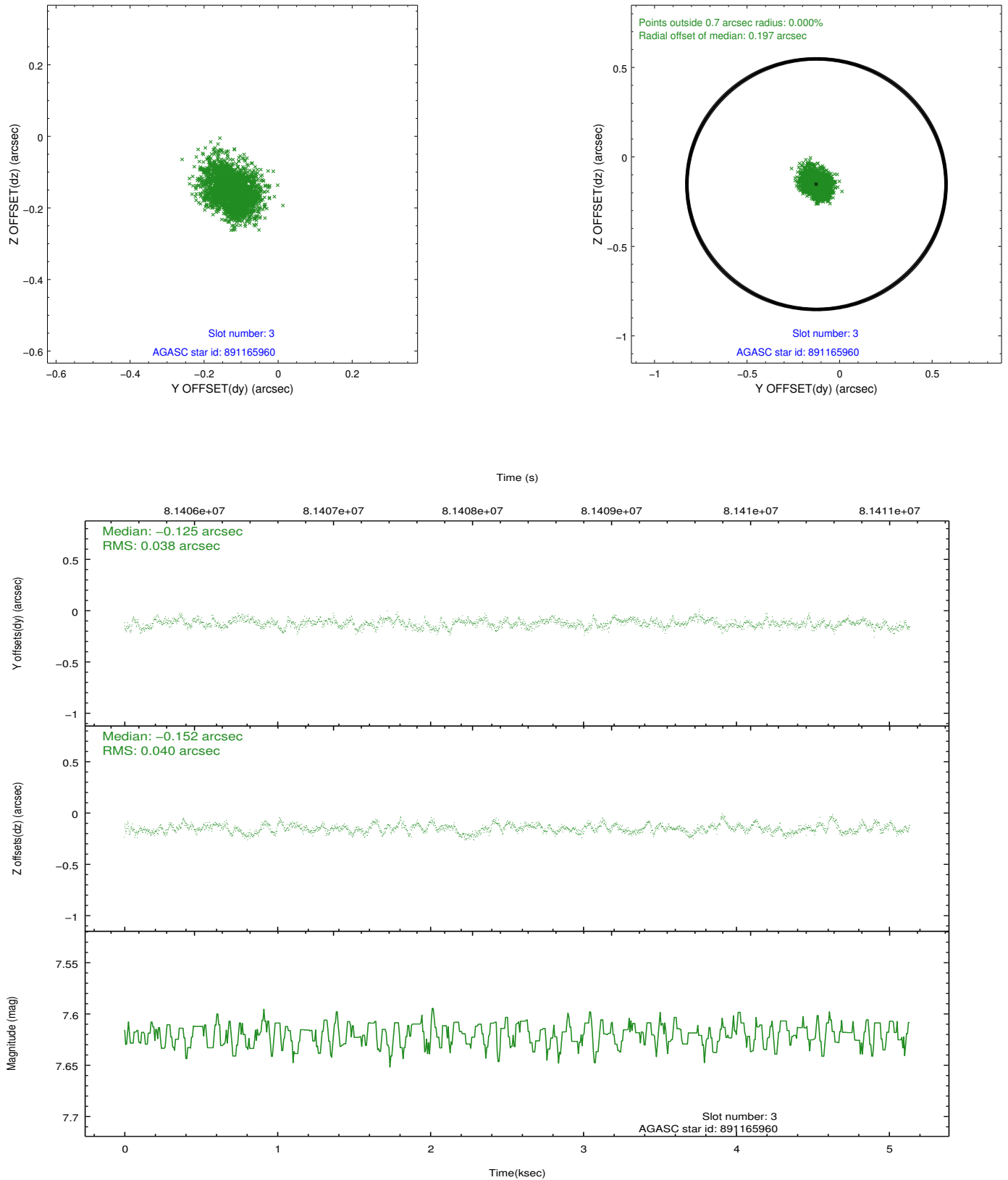


Slot Statistics

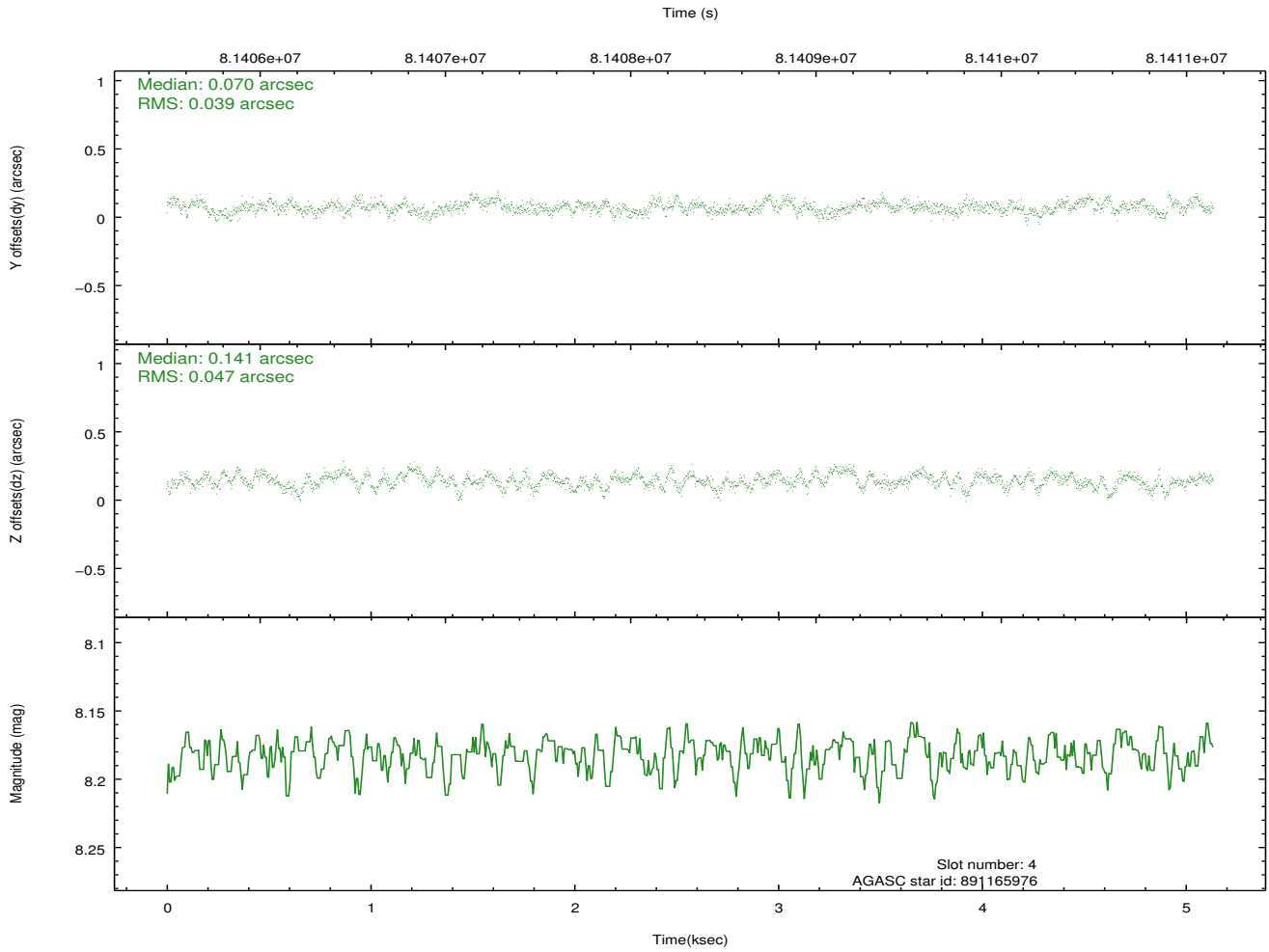
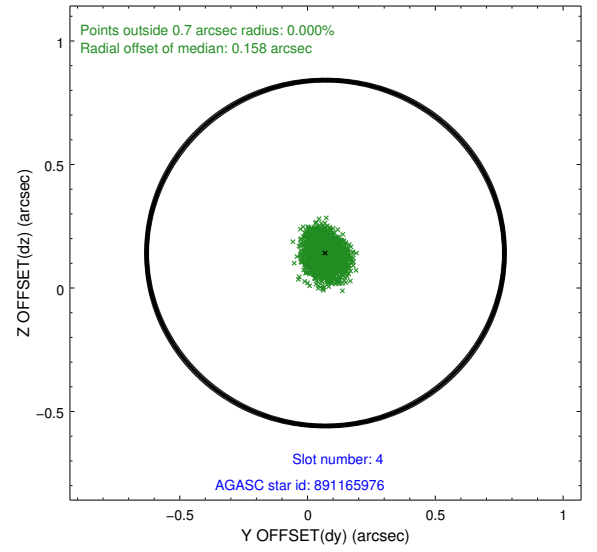
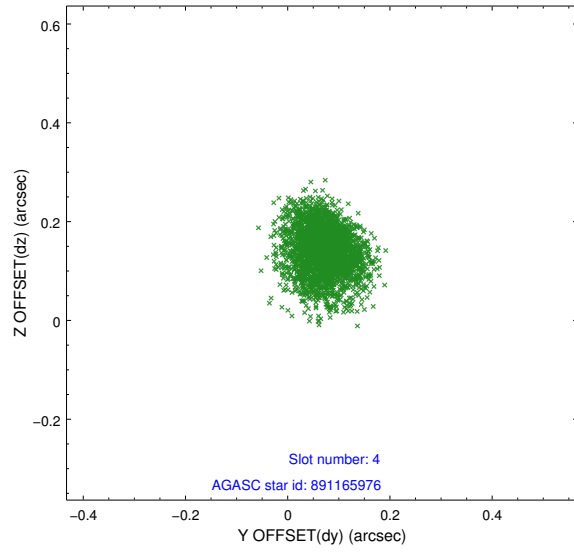
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1252	-0.026	-0.050	0.010	0.018	0.000000	0.000000	-755.28	-835.65
1	FID	ACIS-I-4	7.18	1253	-0.059	0.037	0.006	0.011	0.000000	0.000000	2158.21	1070.03
2	FID	ACIS-I-5	7.23	1253	-0.016	0.082	0.009	0.015	0.000000	0.000000	-1807.57	1069.26
3	GUIDE	891165960	7.62	2505	-0.125	-0.152	0.059	0.095	247.245842	-24.537990	-895.09	387.70
4	GUIDE	891165976	8.18	2505	0.070	0.141	0.066	0.105	247.477470	-24.979460	589.98	1333.17
5	GUIDE	891028200	9.66	2504	0.261	-0.045	0.090	0.145	246.880837	-25.150608	1441.60	-521.72
6	GUIDE	891028104	9.35	2506	-0.210	-0.029	0.082	0.133	246.615701	-25.040208	1156.24	-1430.04
7	GUIDE	891165992	7.55	2505	0.002	0.083	0.057	0.088	247.496655	-25.147789	1184.75	1467.69

2.4 Star Slots

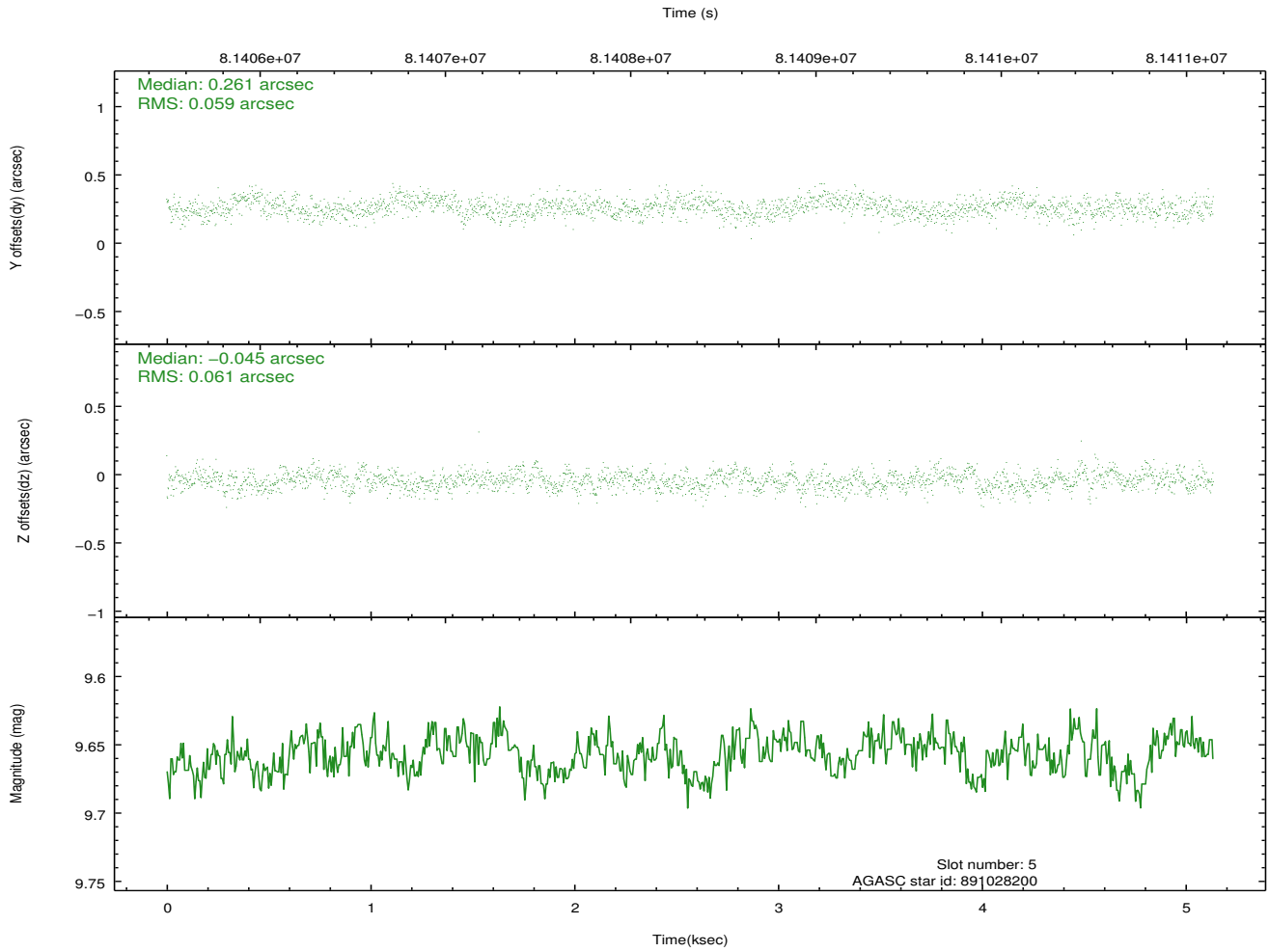
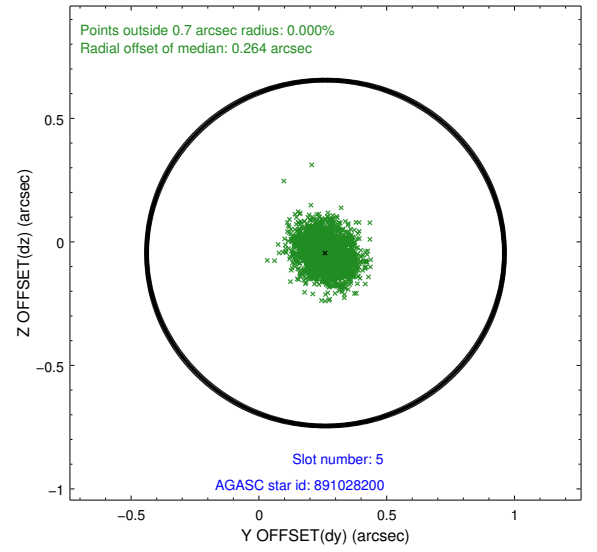
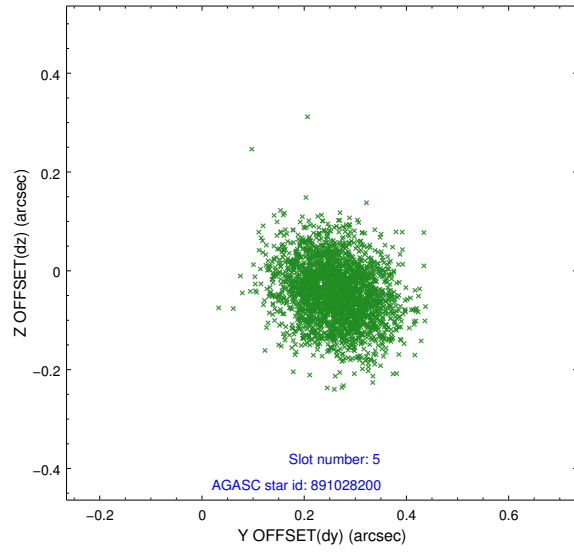
2.4.1 Slot 3



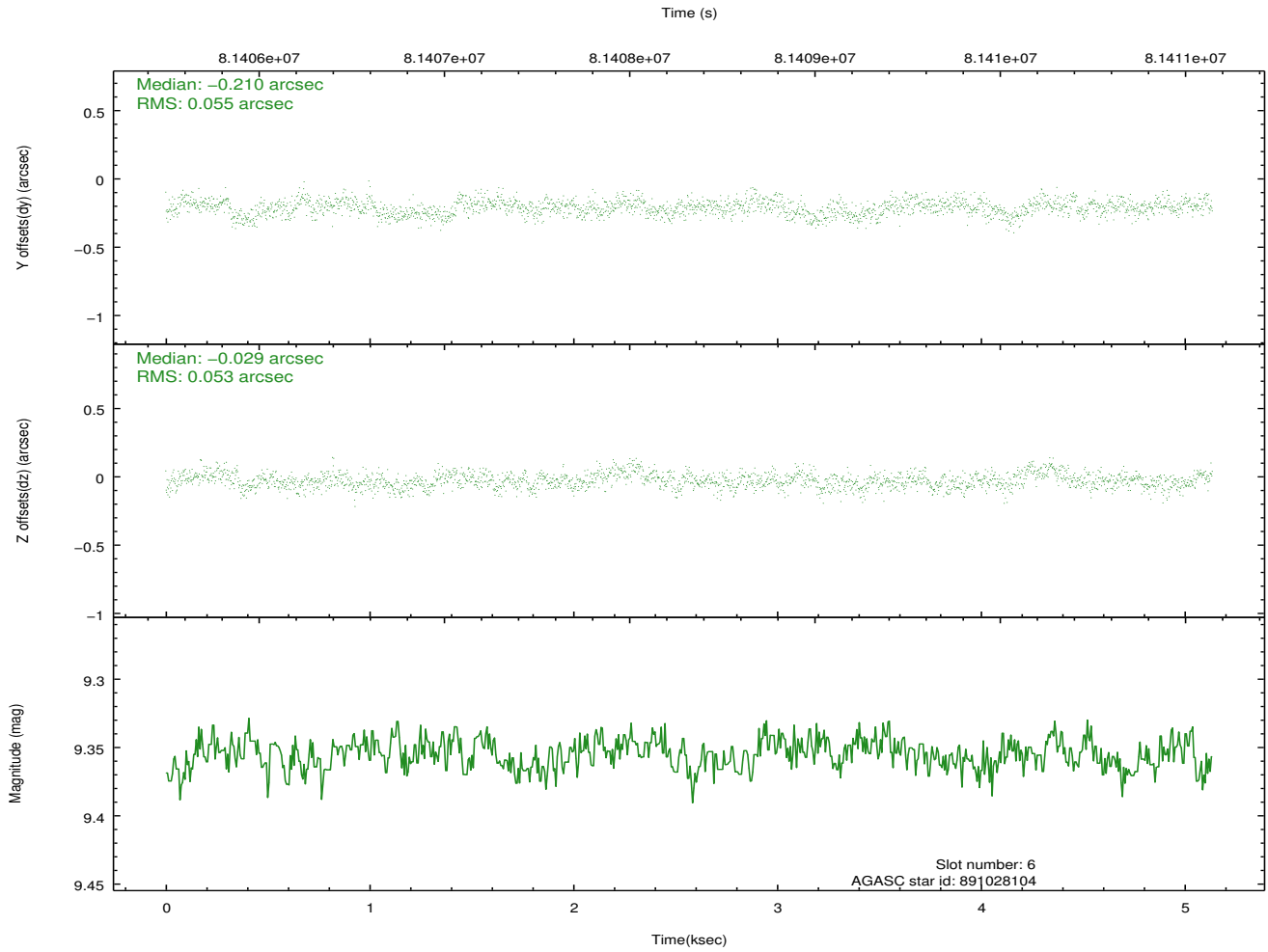
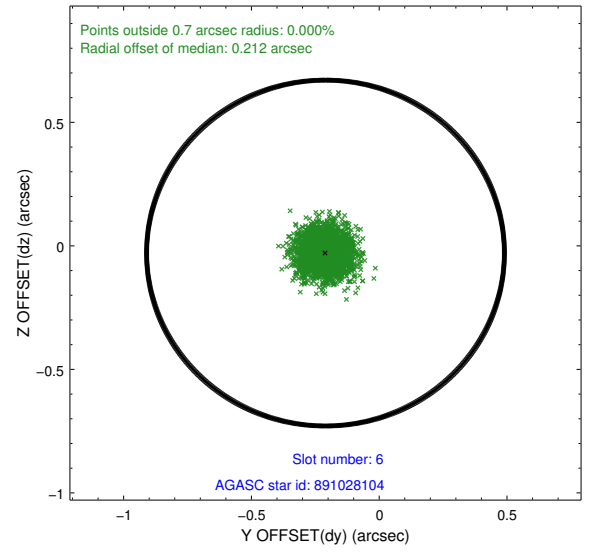
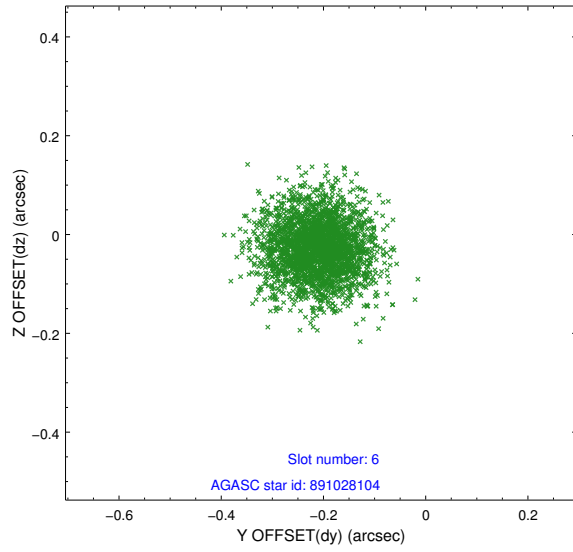
2.4.2 Slot 4



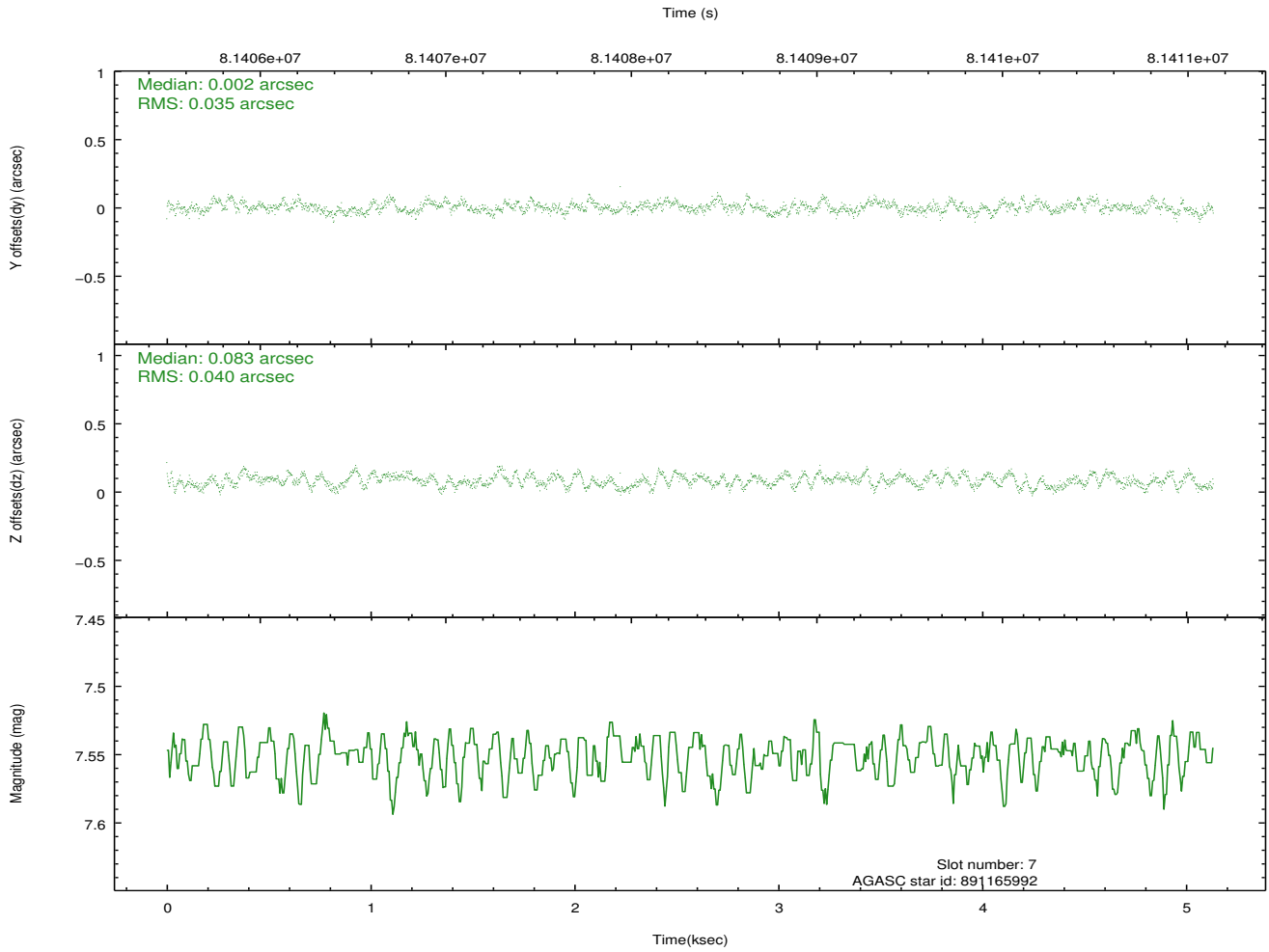
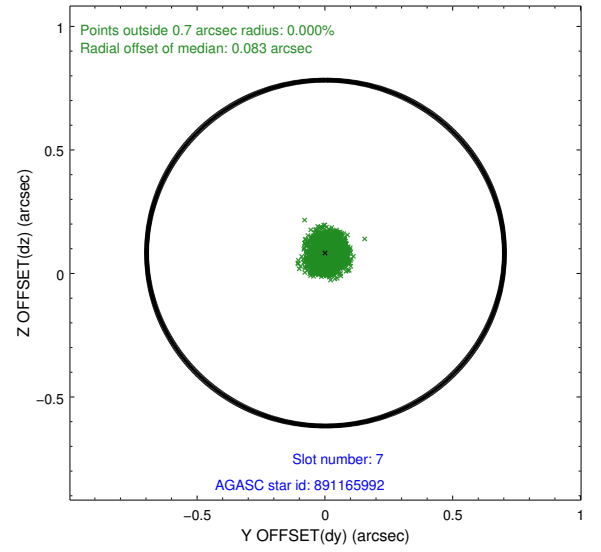
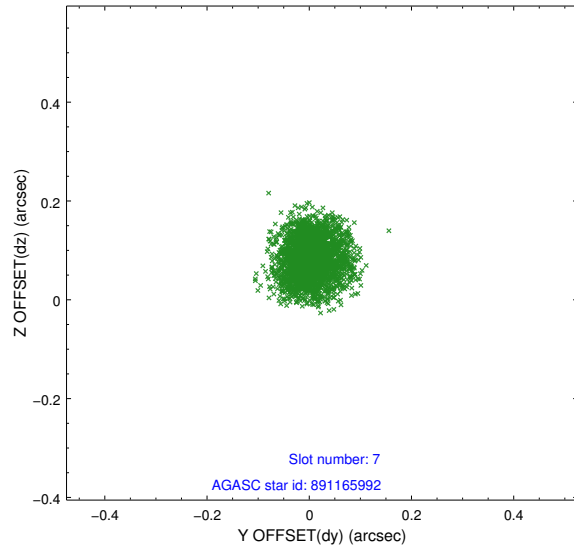
2.4.3 Slot 5



2.4.4 Slot 6

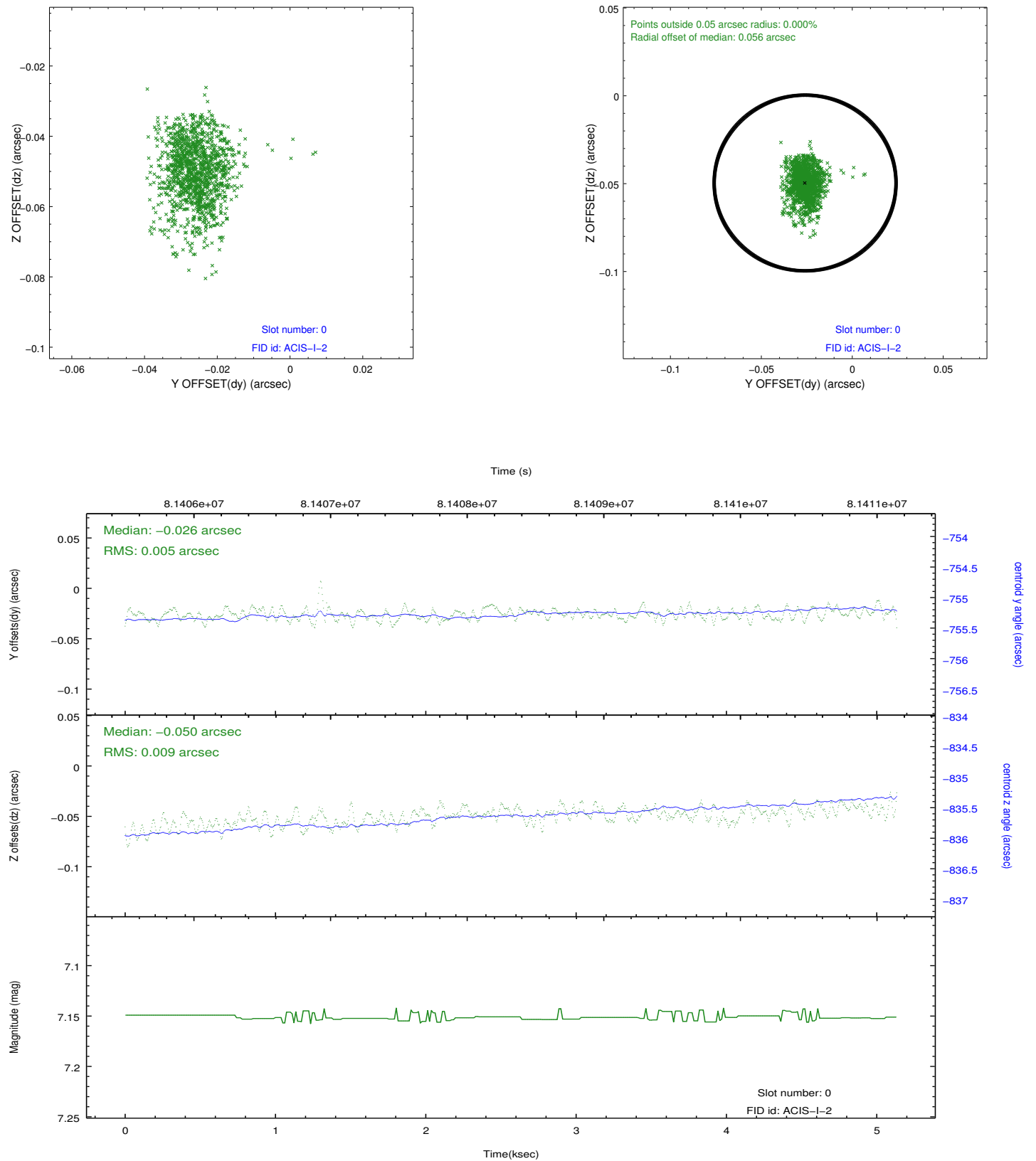


2.4.5 Slot 7

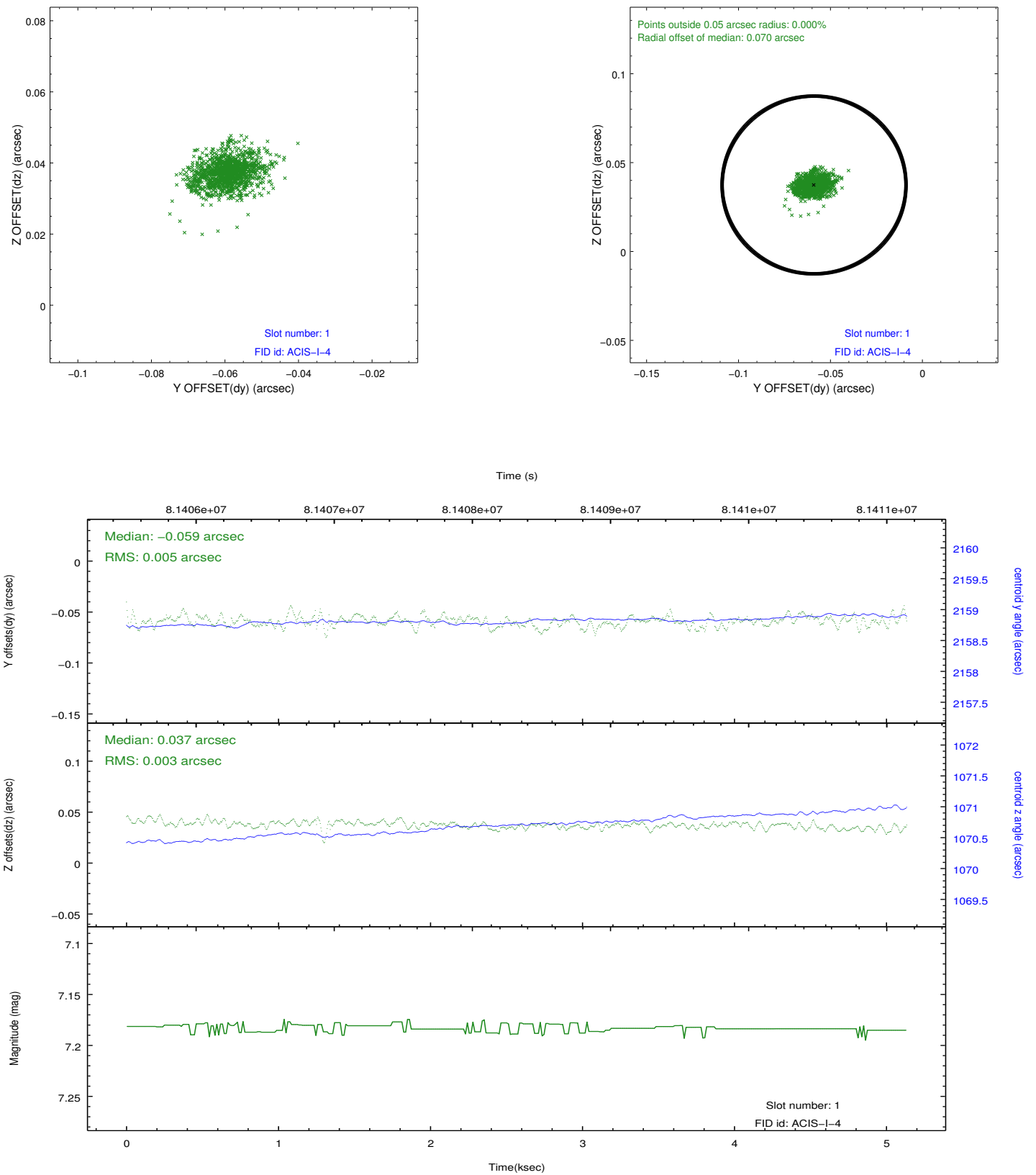


2.5 FID Slots

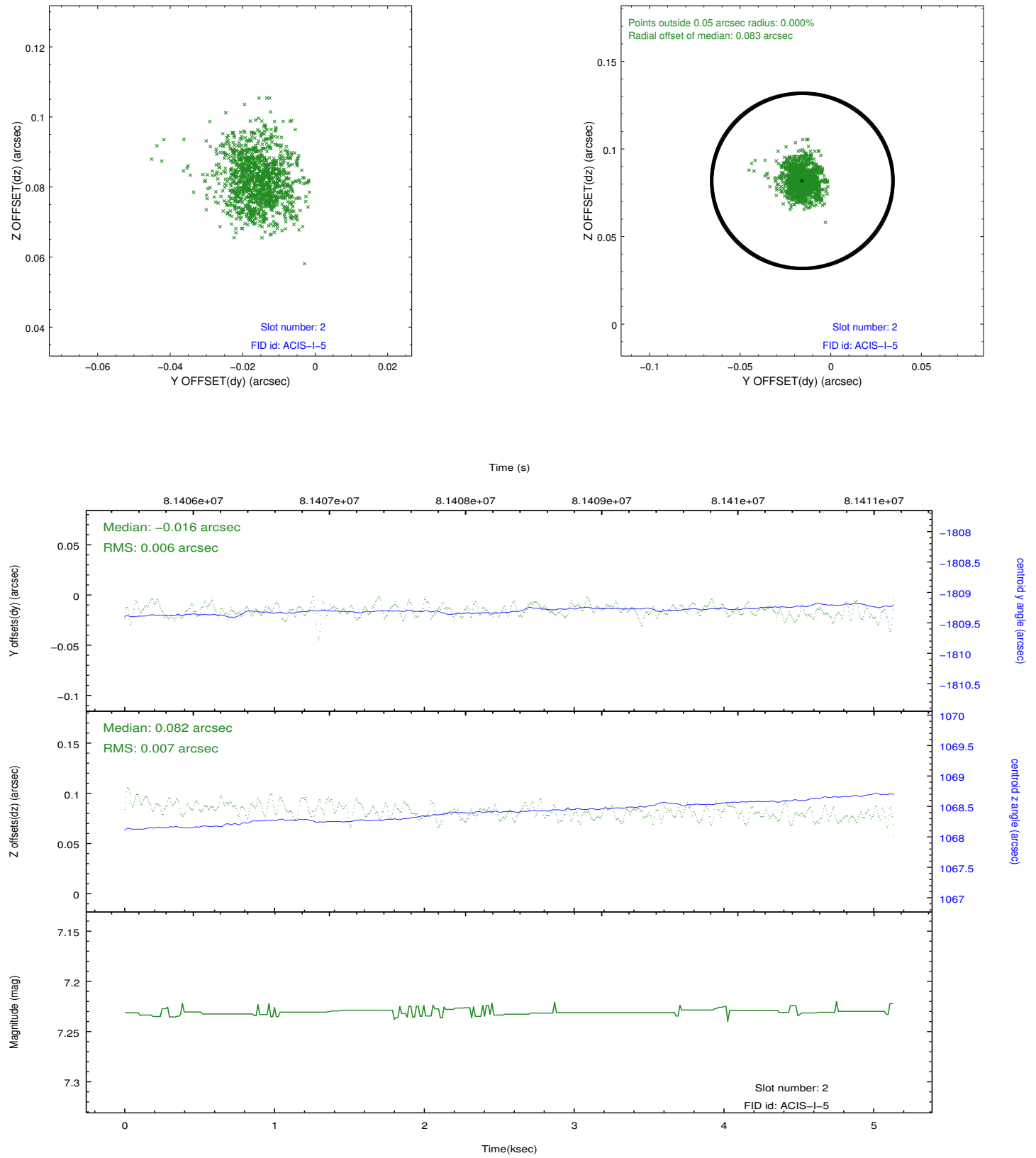
2.5.1 Slot 0



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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.12

A.2 Comments