

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5473 - L2 Version 3
Chandra X-Ray Center

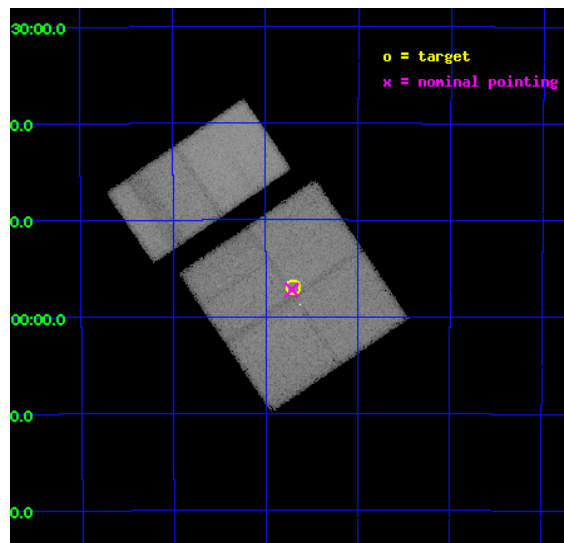
L2 Processing Date : Dec 24 2012

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

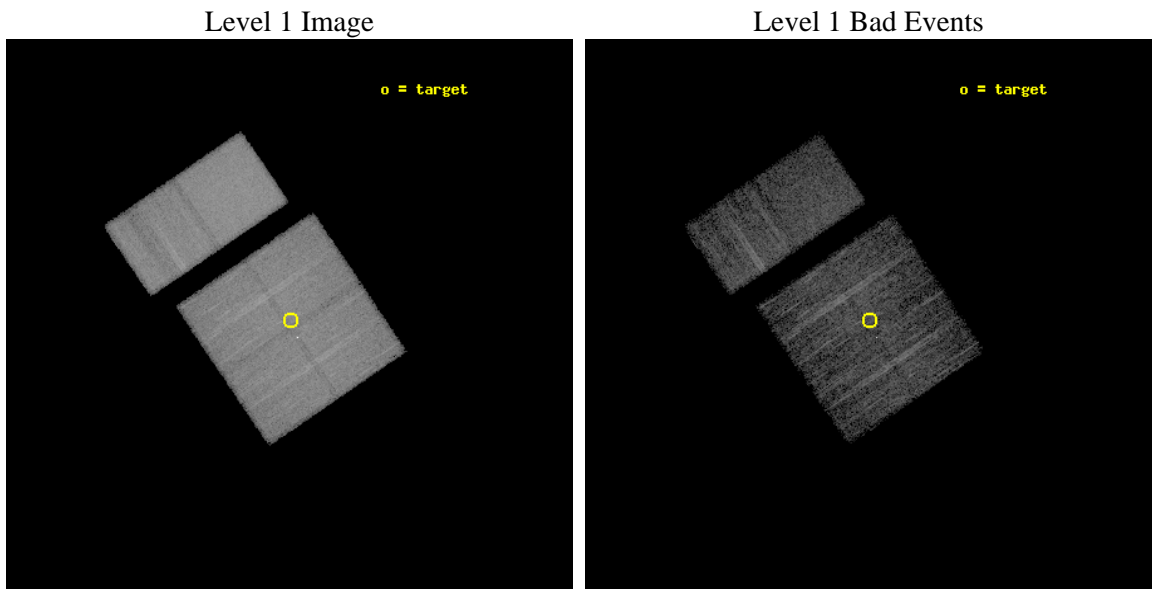
seq_num	400403	Sequence number
obs_id	5473	Observation id
title	Localization of INTEGRAL-Selected Sources in the Norma Region	Prop
observer	Dr. John Tomsick	Principal investigator
object	IGR J16167-4957	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.175	Observer's specified target RA [deg]
dec_targ	-49.95	Observer's specified target Dec [deg]
ra_nom	244.17877166647	Nominal RA [deg]
dec_nom	-49.953898486983	Nominal Dec [deg]
roll_nom	325.85079865538	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5043.1999812126	Sum of GTIs [s]
livetime	4979.3399464	Livetime [s]
ontime0	5043.1999812126	Sum of GTIs [s]
ontime1	5043.1999812126	Sum of GTIs [s]
ontime2	5039.9590109289	Sum of GTIs [s]
ontime3	5043.1999812126	Sum of GTIs [s]
ontime6	5043.1999812126	Sum of GTIs [s]
ontime7	5043.1999812126	Sum of GTIs [s]
l2events	285996	Number of level 2 events



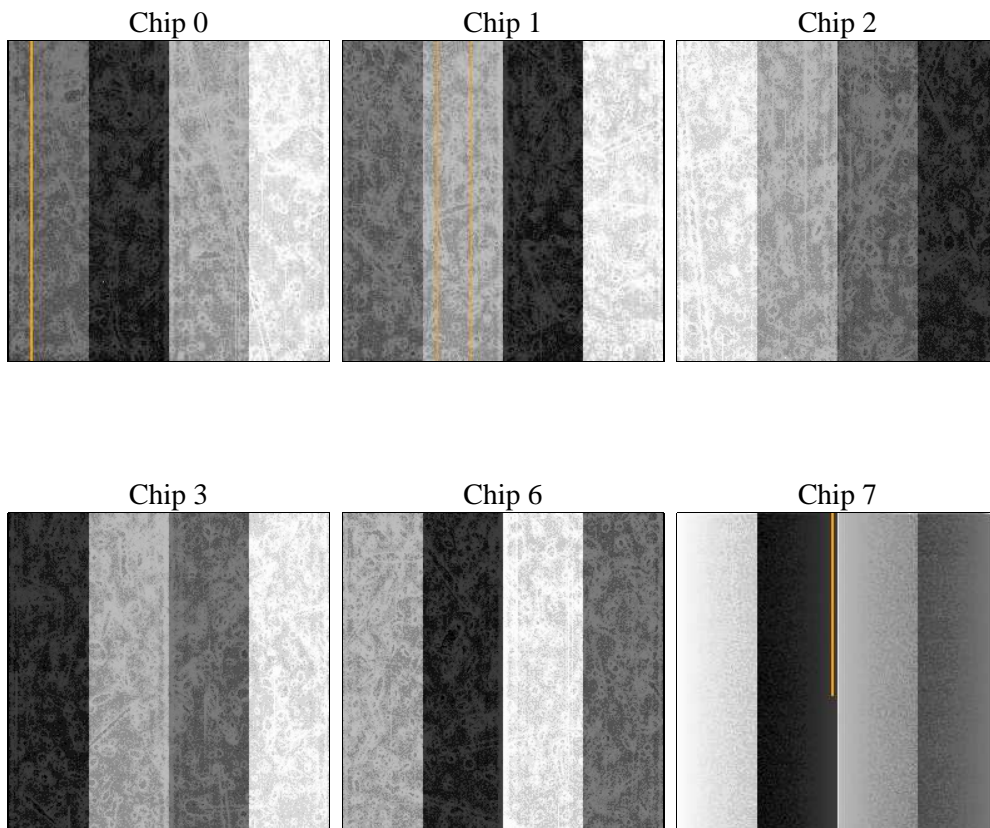
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5039.250000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5043.1999812126	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	5043.1999812126	Sum of GTIs [s]
date	2012-12-24T13:50:47	Date and time of file creation	ontime1	5043.1999812126	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5039.9590109289	Sum of GTIs [s]
			ontime3	5043.1999812126	Sum of GTIs [s]
			ontime6	5043.1999812126	Sum of GTIs [s]
			ontime7	5043.1999812126	Sum of GTIs [s]
			l1events	511214	Number of level 1 events

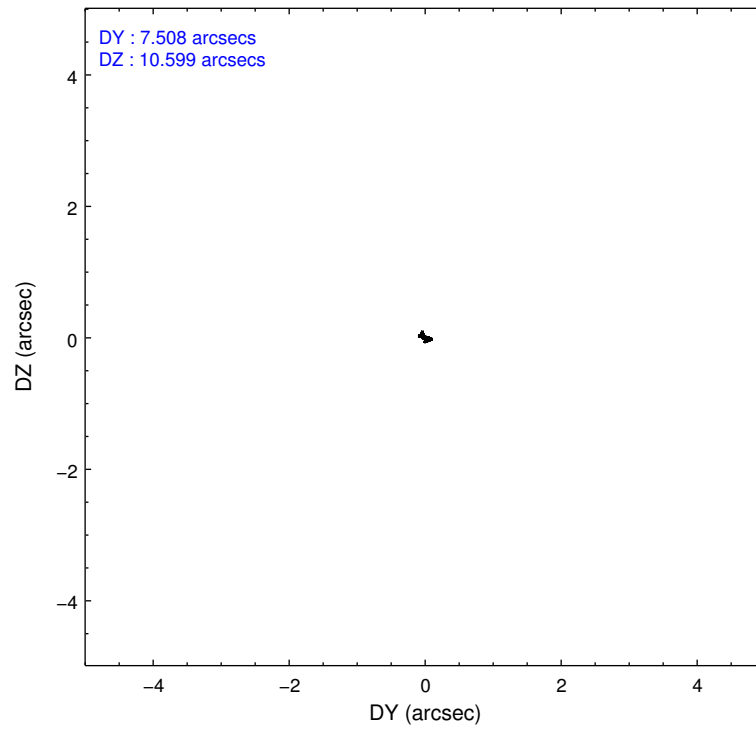
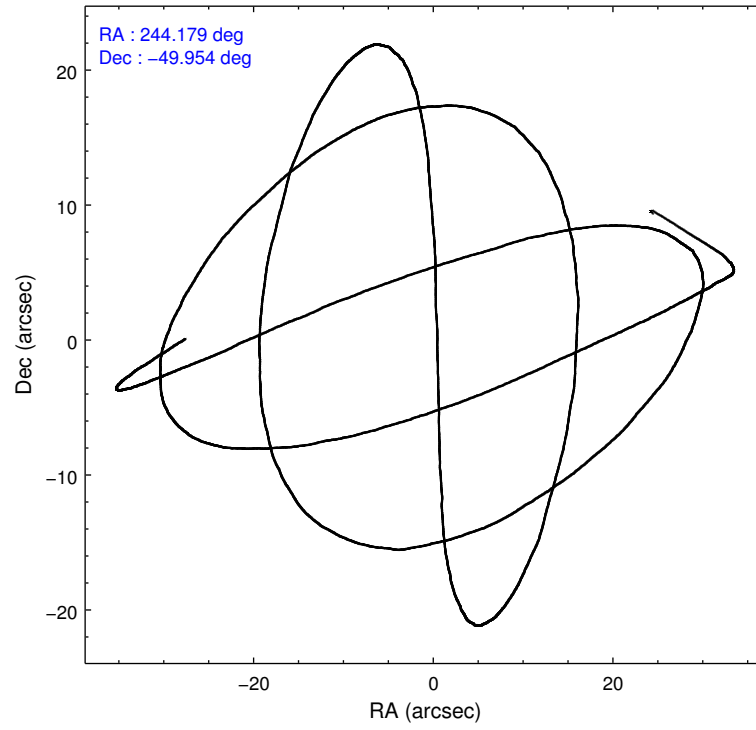
2.1.4 Events

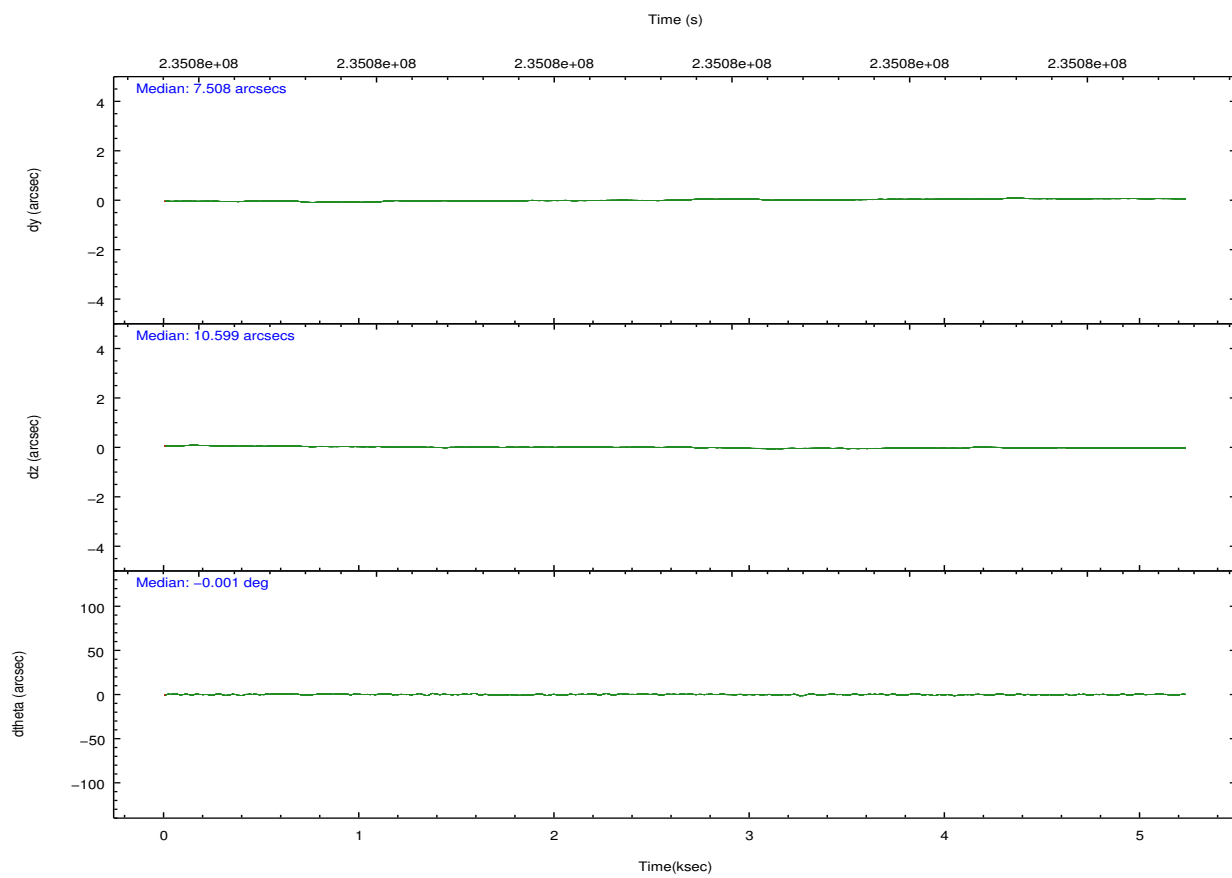
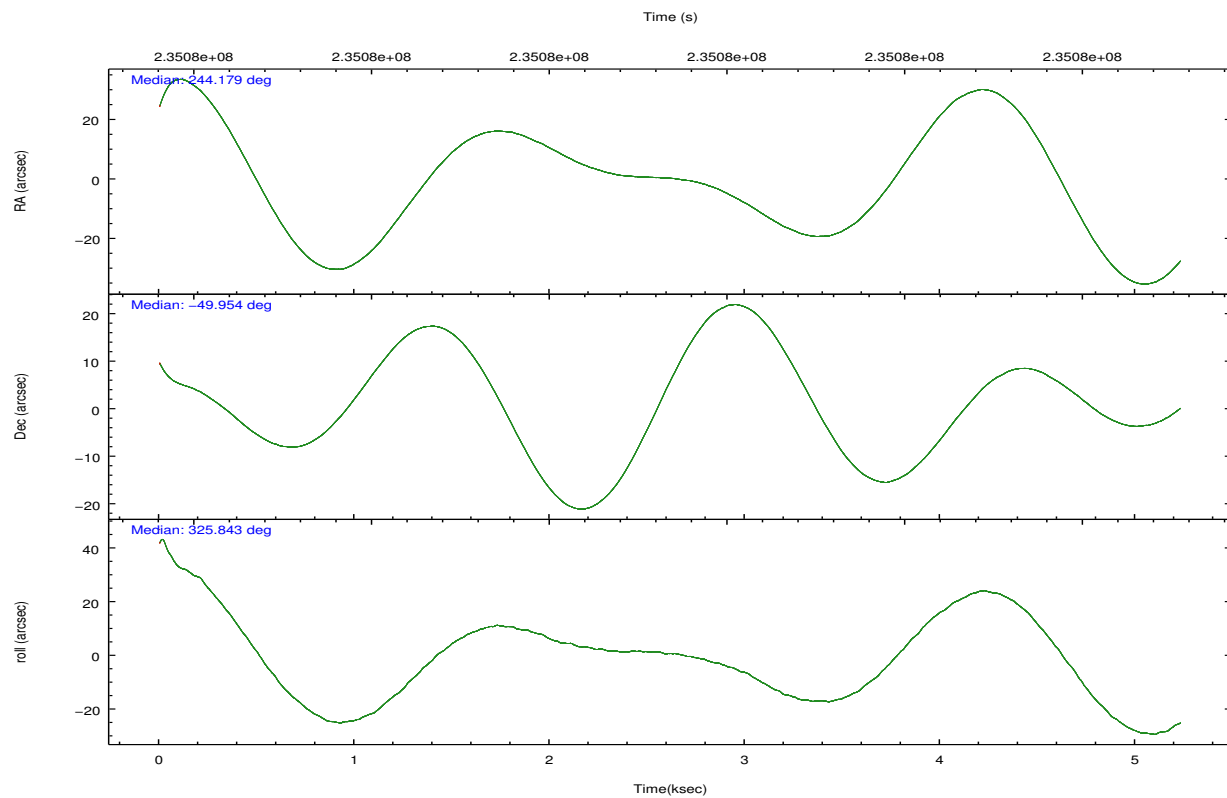
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	78948	81108	81447	80642	84199	104870	grade 0 events	32384	31100	32146	32621	31123	7634
rejected events	32540	33799	36682	34373	37823	34316		41%	38%	39%	40%	36%	7%
rejected %	41%	41%	45%	42%	44%	32%	grade 1 events	229	201	221	195	167	77
								0%	0%	0%	0%	0%	0%
							grade 2 events	5817	7457	4922	5434	6413	11691
								7%	9%	6%	6%	7%	11%
							grade 3 events	2168	2142	1972	2051	1984	4828
								2%	2%	2%	2%	2%	4%
							grade 4 events	1961	2083	1925	2107	2005	4888
								2%	2%	2%	2%	2%	4%
							grade 5 events	1780	1899	1638	1902	1991	5369
								2%	2%	2%	2%	2%	5%
							grade 6 events	4151	4592	3859	4118	4917	41621
								5%	5%	4%	5%	5%	39%
							grade 7 events	30458	31634	34764	32214	35599	28762
								38%	39%	42%	39%	42%	27%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	244.136460	244.1787716664694	Subarray requested	NONE	NONE
[deg] Pointing Dec	-49.952019	-49.95389848698345	Alternating exposures requested	N	N
[deg] Pointing Roll	325.609668	325.8507986553751	[s] Primary exposure time	0.000000	3.2
[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)	235078260.184000	235077276.5791			
Observation start date	2005-06-13T19:29:56	2005-06-13T19:14:36			
[s] Observation end time (MET)	235083299.184000	235083531.64188			
Observation end date	2005-06-13T20:53:55	2005-06-13T20:58:51			
Read mode	TIMED	TIMED			

2.3 Aspect



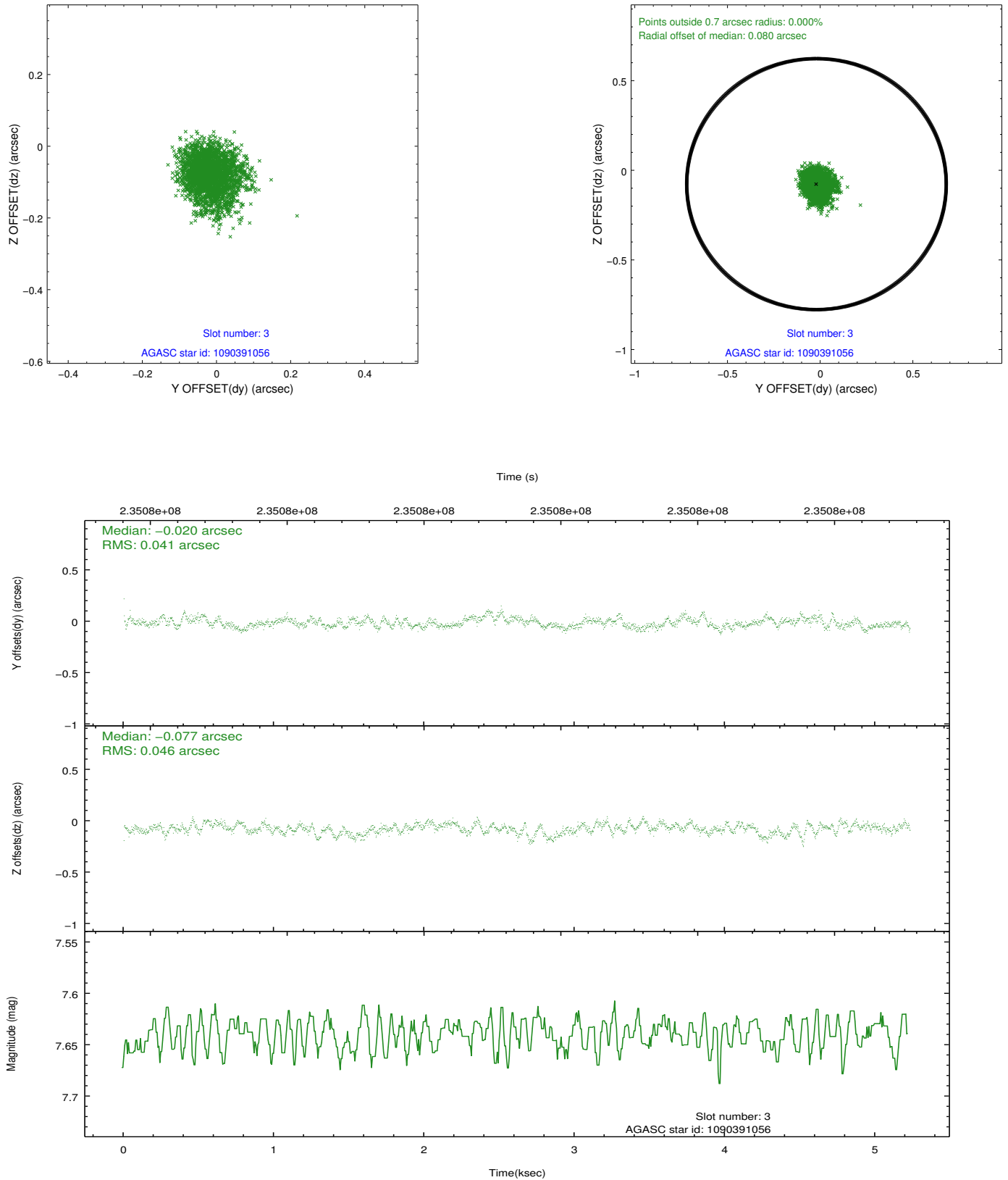


Slot Statistics

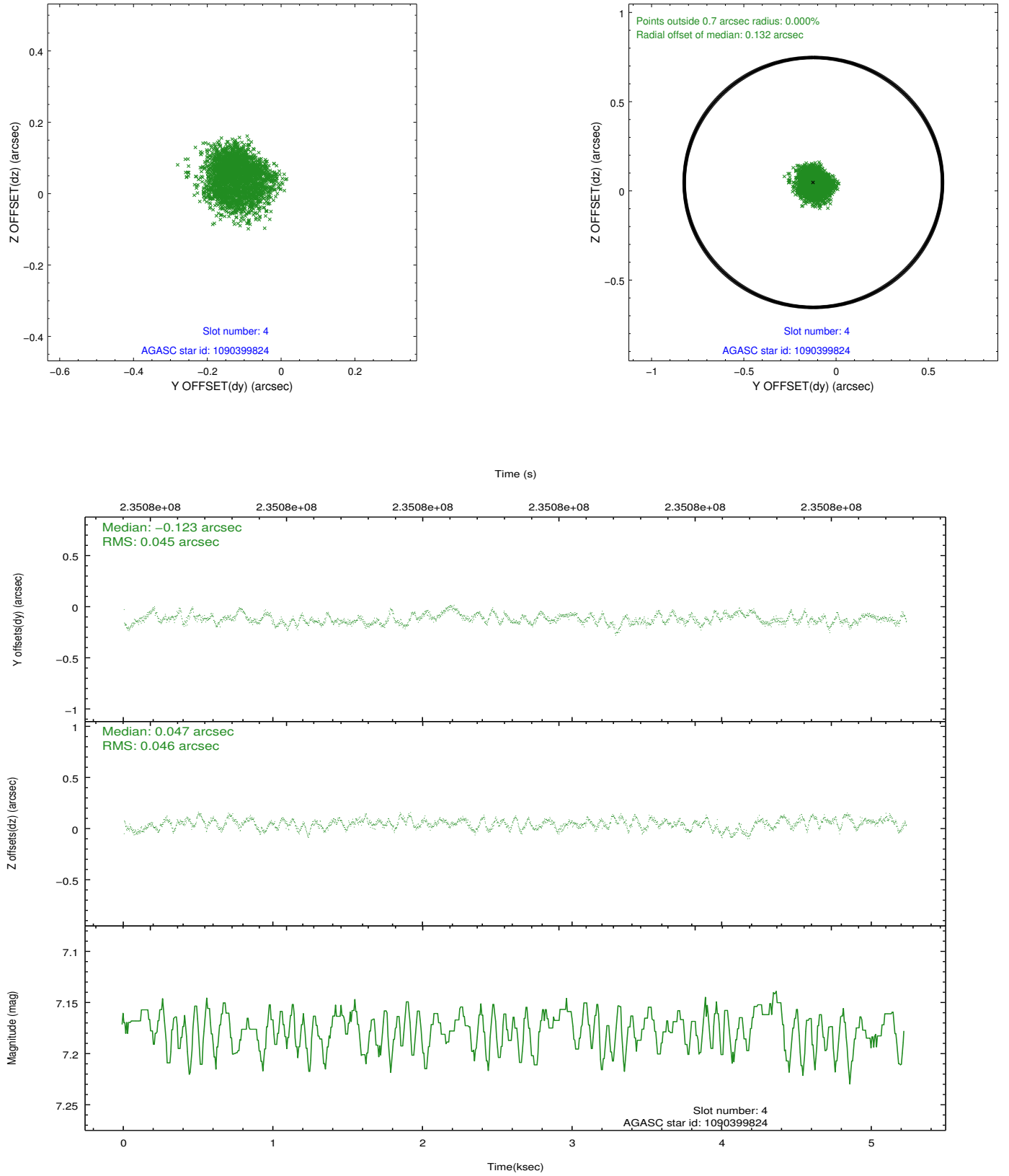
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1276	0.026	-0.012	0.006	0.011	0.000000	0.000000	932.17	-834.10
1	FID	ACIS-I-5	7.23	1276	-0.174	0.039	0.006	0.011	0.000000	0.000000	-1815.48	1062.88
2	FID	ACIS-I-6	7.25	1276	0.057	0.044	0.006	0.011	0.000000	0.000000	396.52	1708.68
3	GUIDE	1090391056	7.64	2552	-0.020	-0.077	0.065	0.107	244.221245	-49.856754	-30.66	394.08
4	GUIDE	1090399824	7.18	2552	-0.123	0.047	0.070	0.108	243.299366	-49.884703	-1732.42	-905.62
5	GUIDE	1090525496	8.63	2550	0.142	-0.067	0.069	0.107	244.777039	-50.152945	1631.55	232.57
6	GUIDE	1090921280	9.10	2550	0.006	0.153	0.079	0.126	244.365071	-50.638328	1828.28	-1743.93
7	GUIDE	1090393552	8.06	2551	-0.007	-0.050	0.081	0.129	244.664084	-49.413876	-70.98	2292.67

2.4 Star Slots

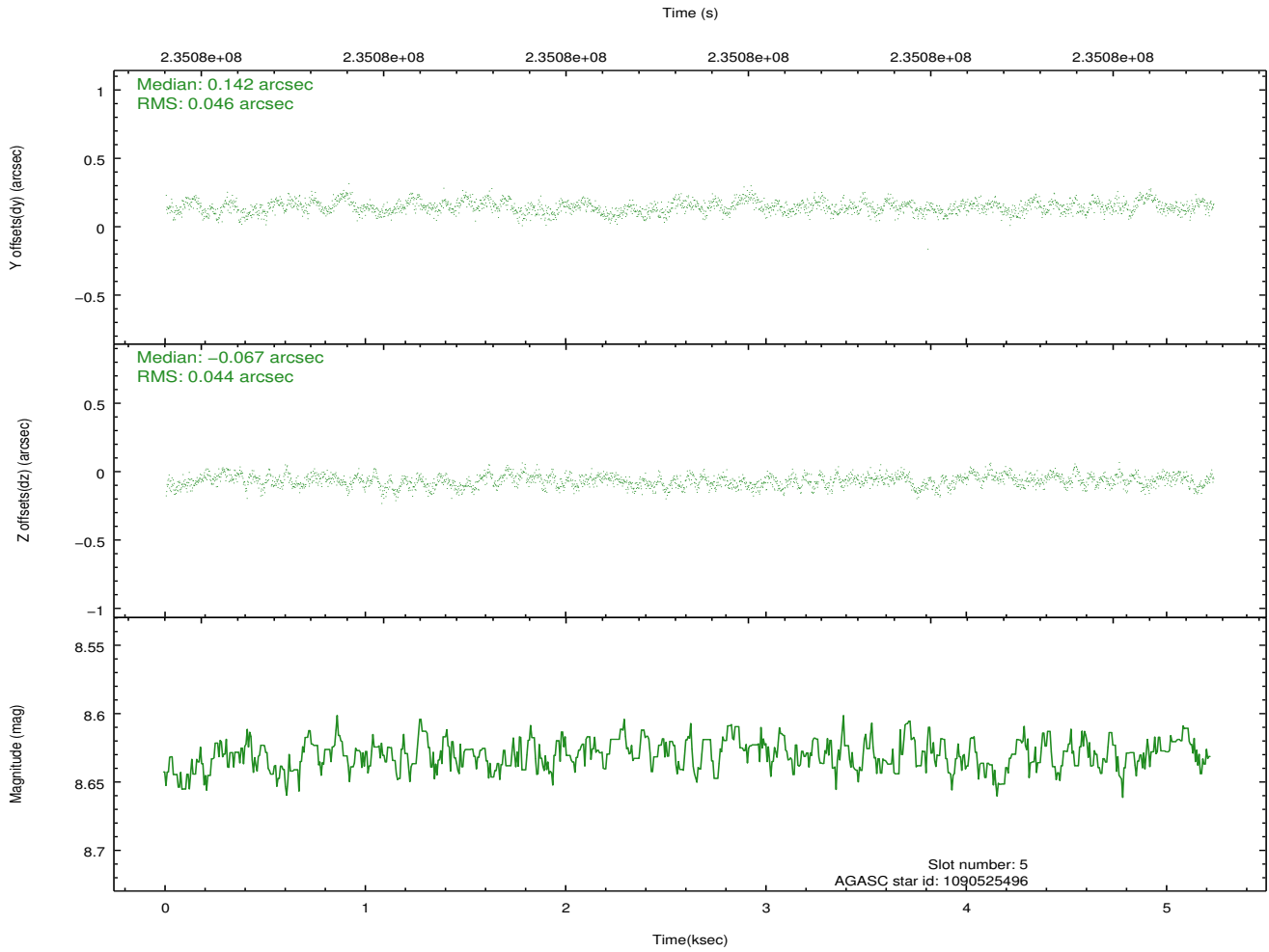
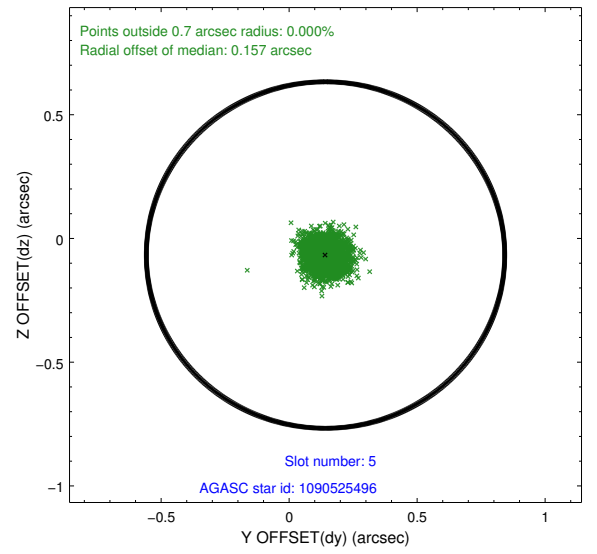
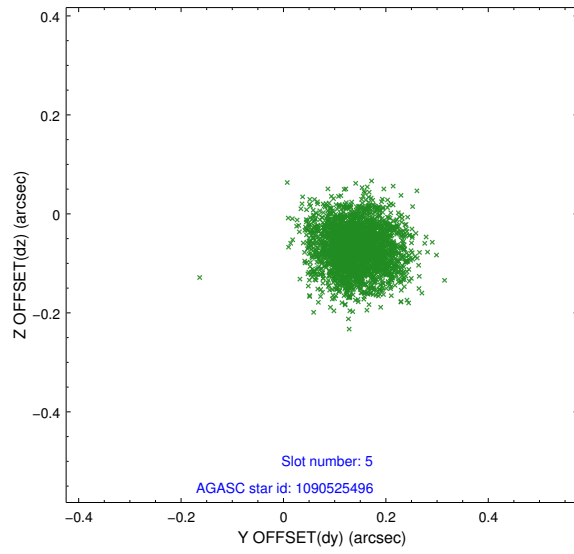
2.4.1 Slot 3



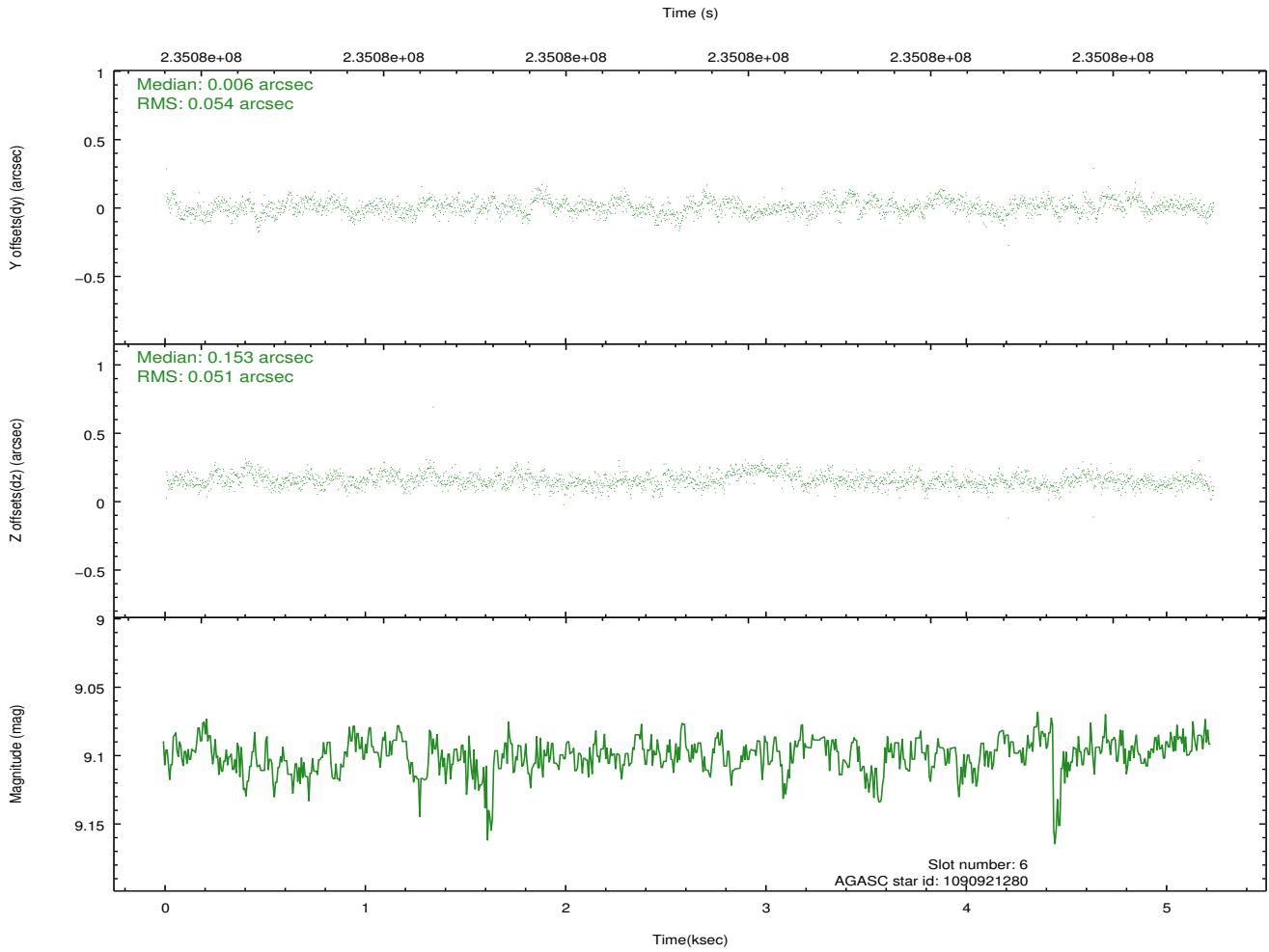
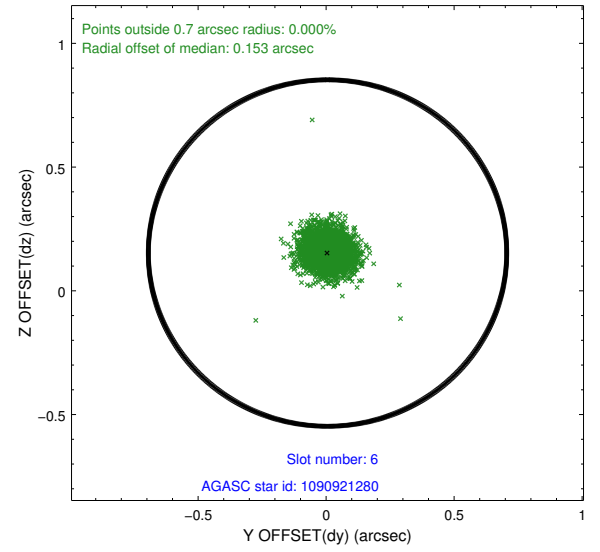
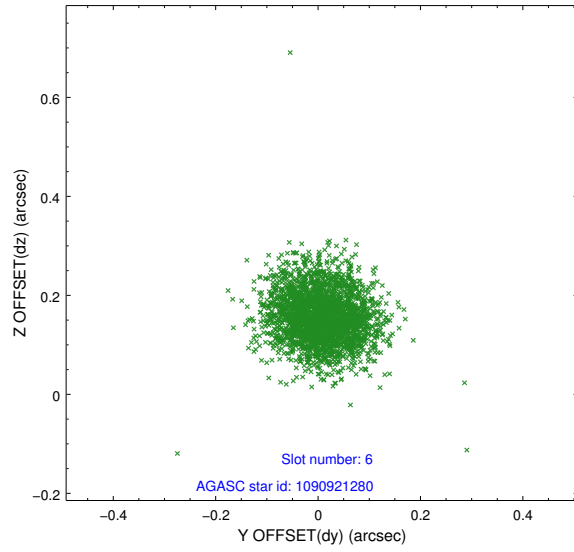
2.4.2 Slot 4



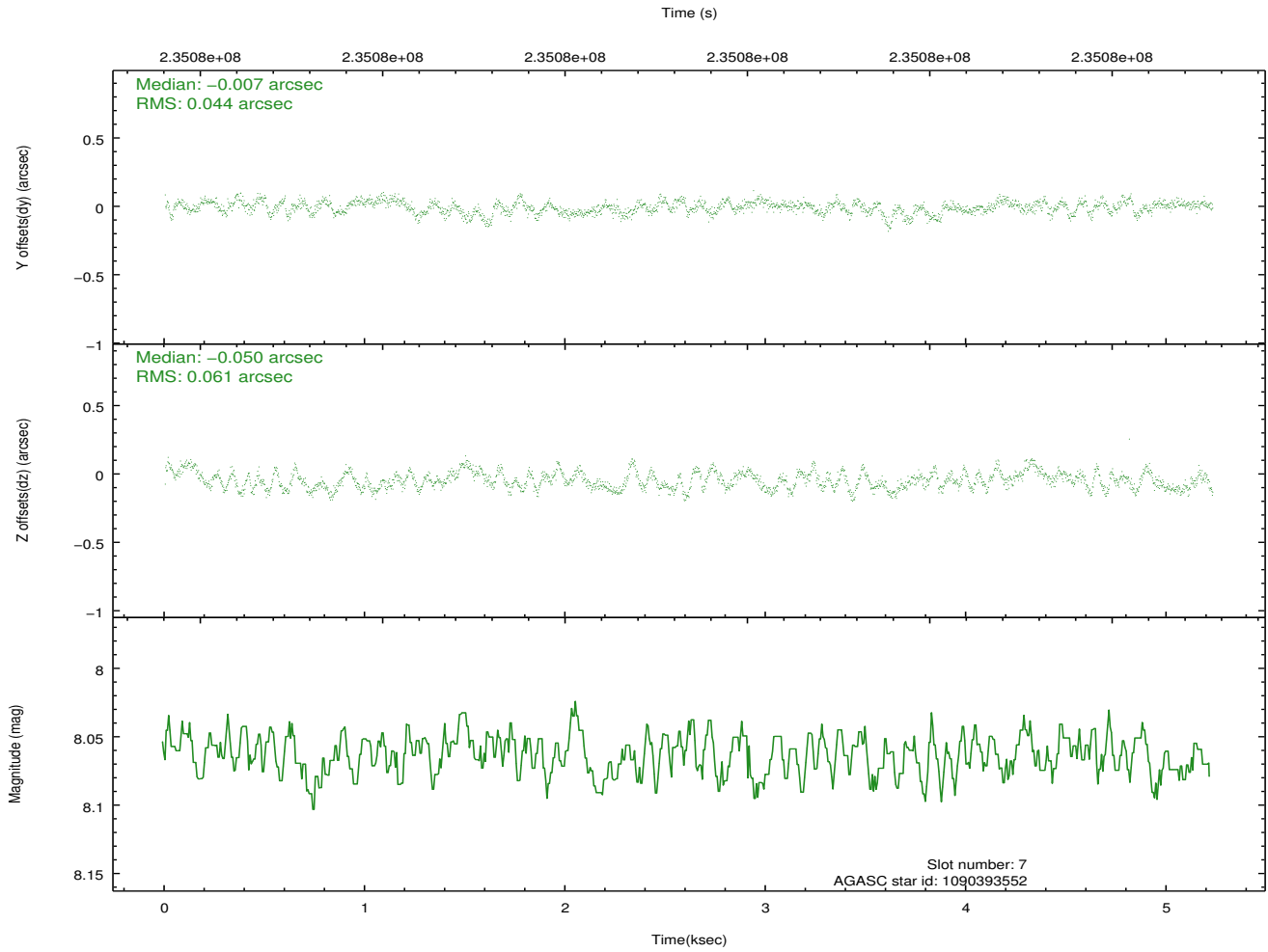
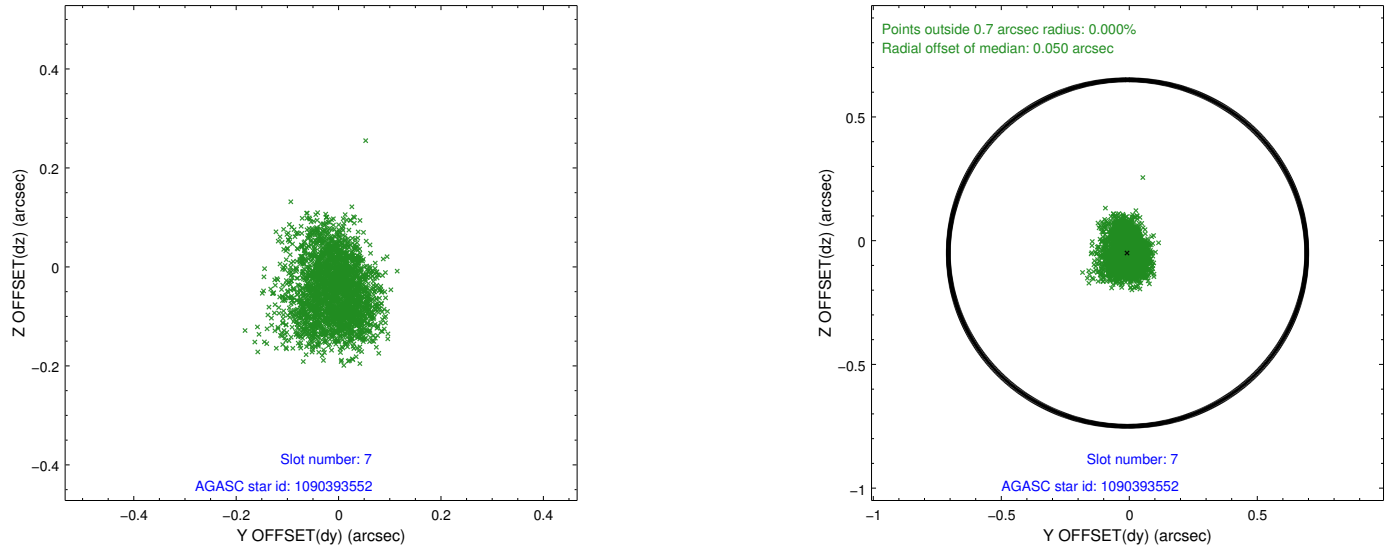
2.4.3 Slot 5



2.4.4 Slot 6

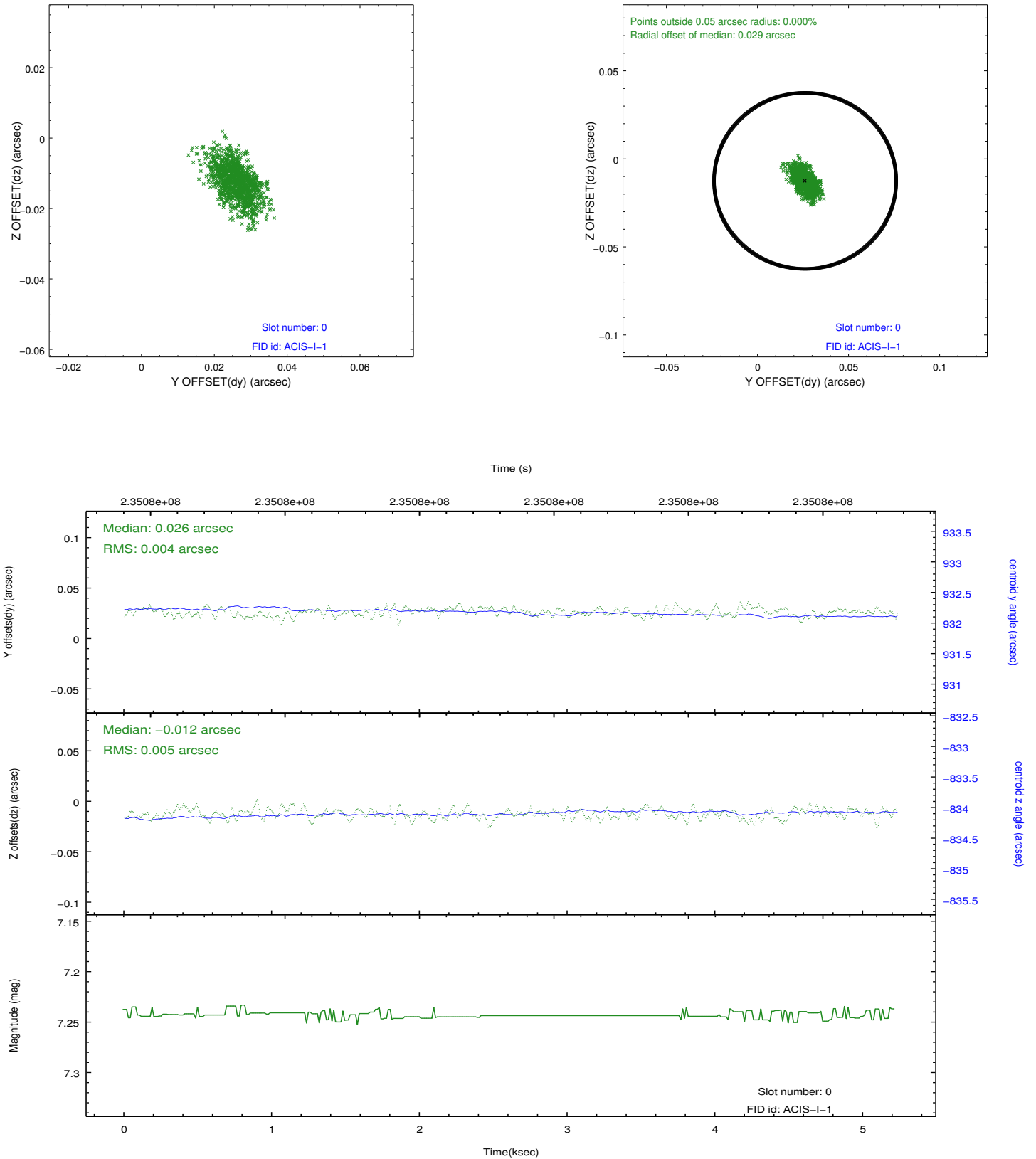


2.4.5 Slot 7

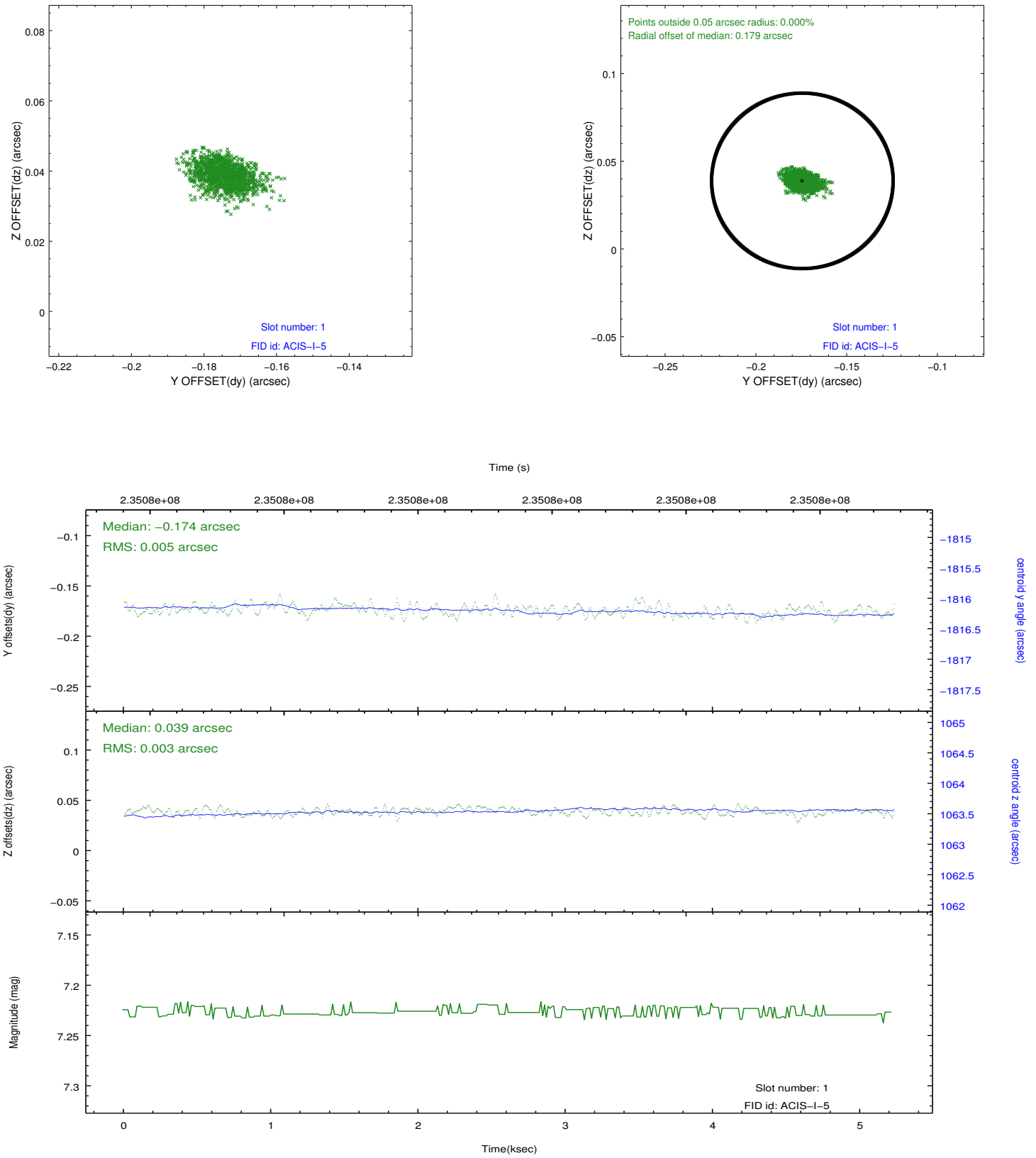


2.5 FID Slots

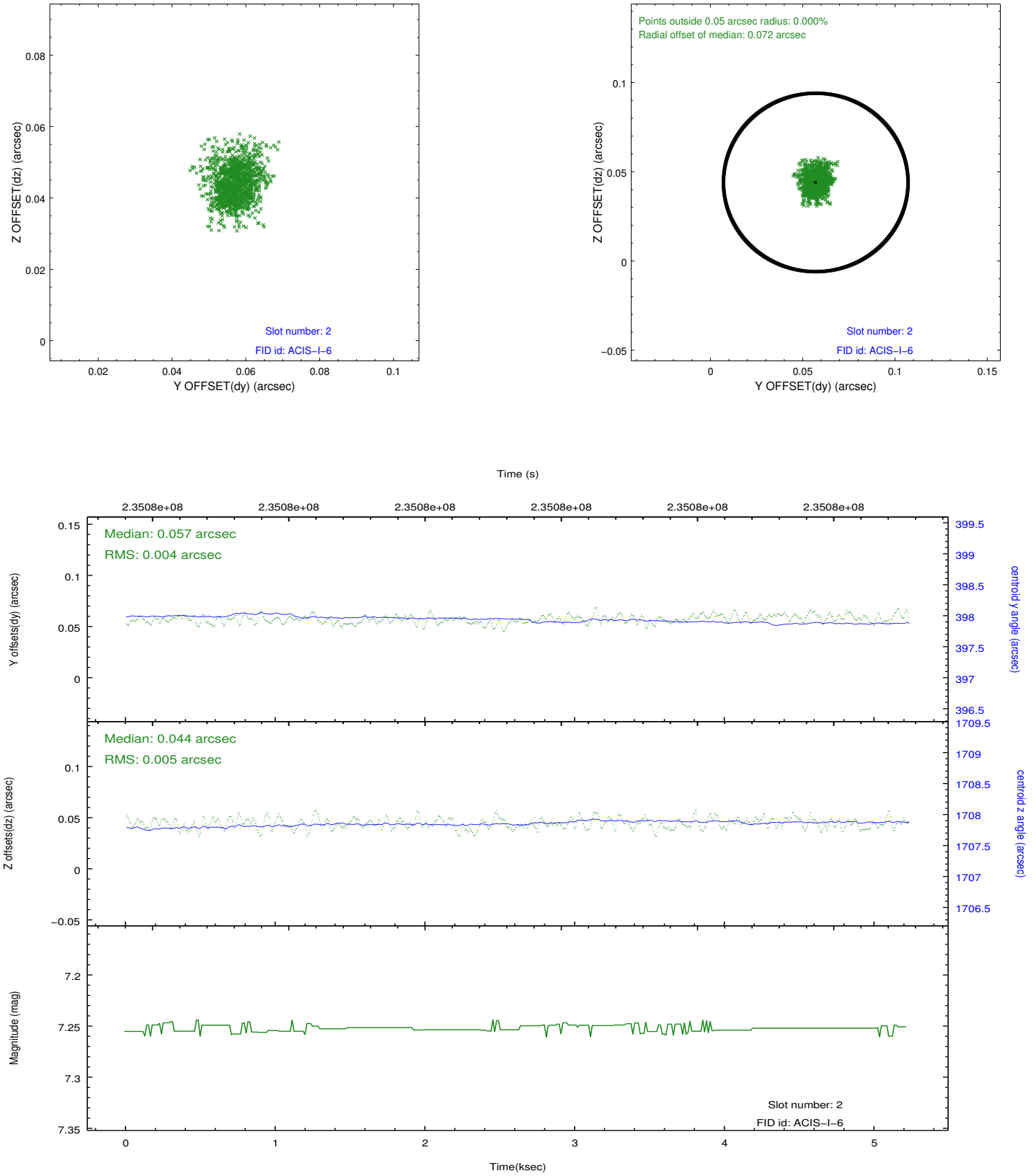
2.5.1 Slot 0



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)	2013.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.043199

A.2 Comments