

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7422 - L2 Version 3
Chandra X-Ray Center

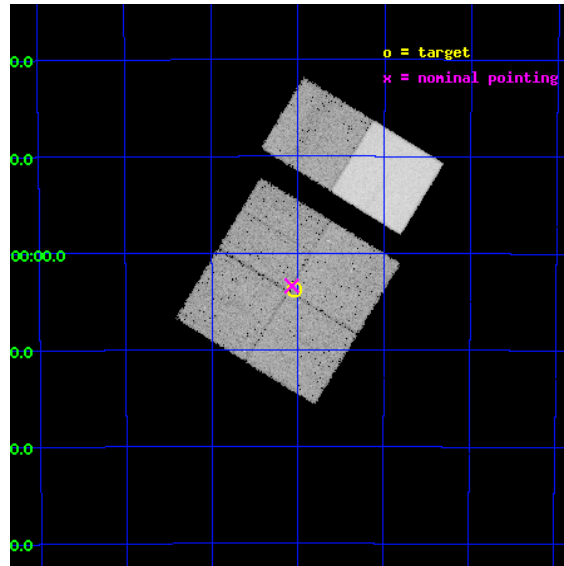
L2 Processing Date : Apr 24 2012

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1 Front

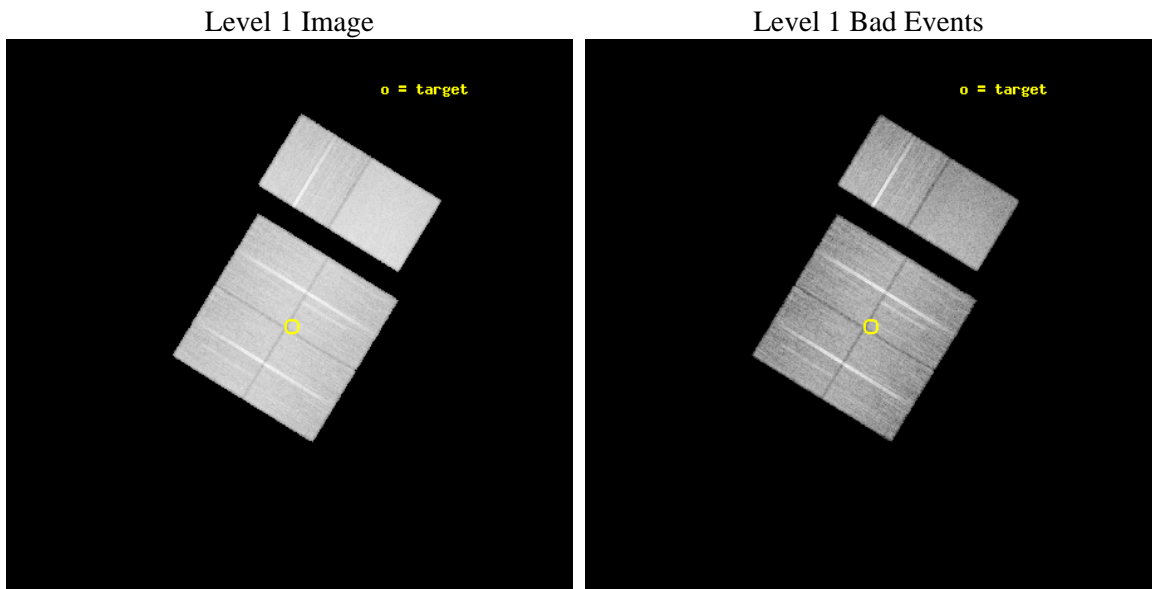
seq_num	200435	Sequence number
obs_id	7422	Observation id
title	Hot gas and cool dust around B[e] Supergiants	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	CPD-529243	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.758333	Observer's specified target RA [deg]
dec_targ	-53.062722	Observer's specified target Dec [deg]
ra_nom	241.76716379058	Nominal RA [deg]
dec_nom	-53.056646543366	Nominal Dec [deg]
roll_nom	31.470666198697	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20179.199924886	Sum of GTIs [s]
livetime	19923.678744982	Livetime [s]
ontime0	20175.958944559	Sum of GTIs [s]
ontime1	20172.717964113	Sum of GTIs [s]
ontime2	20175.958914697	Sum of GTIs [s]
ontime3	20179.199924886	Sum of GTIs [s]
ontime6	20175.958914697	Sum of GTIs [s]
ontime7	20175.958924532	Sum of GTIs [s]
l2events	215020	Number of level 2 events



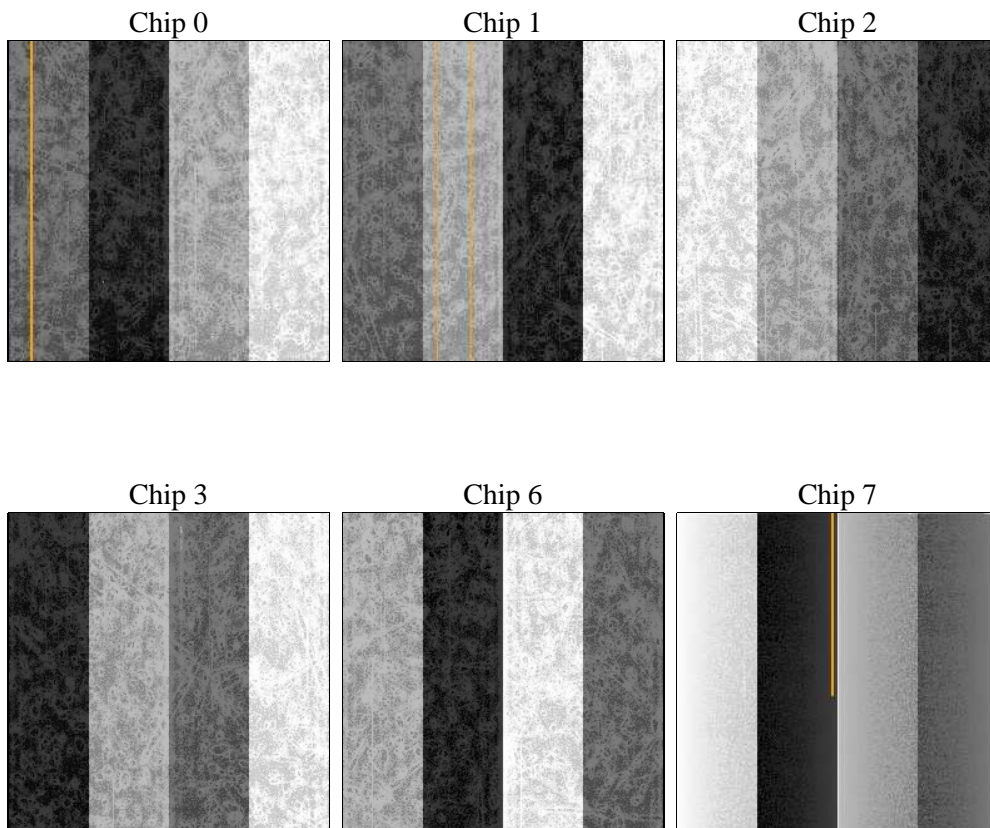
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20179.199924886	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20175.958944559	Sum of GTIs [s]
date	2012-04-24T09:48:55	Date and time of file creation	ontime1	20172.717964113	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20175.958914697	Sum of GTIs [s]
			ontime3	20179.199924886	Sum of GTIs [s]
			ontime6	20175.958914697	Sum of GTIs [s]
			ontime7	20175.958924532	Sum of GTIs [s]
			l1events	1296919	Number of level 1 events

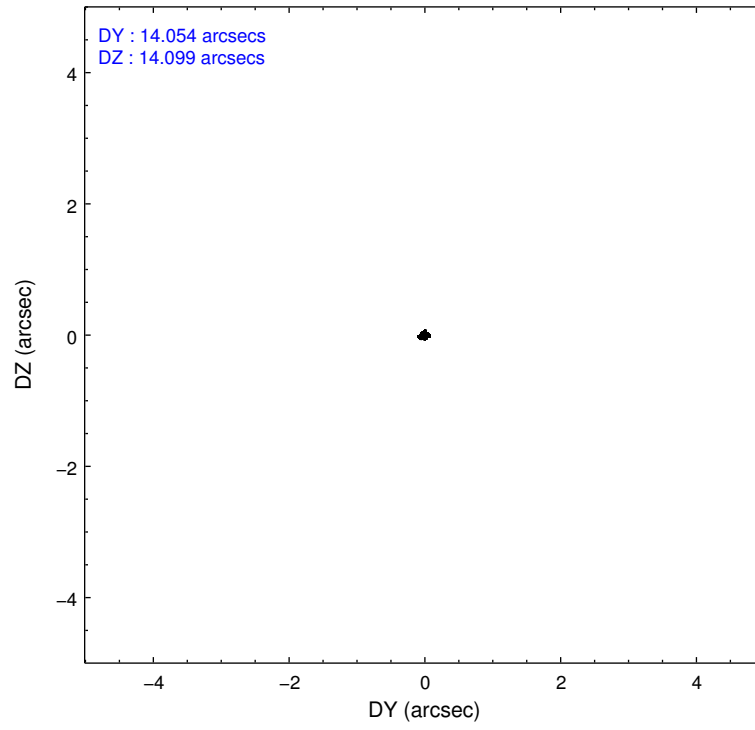
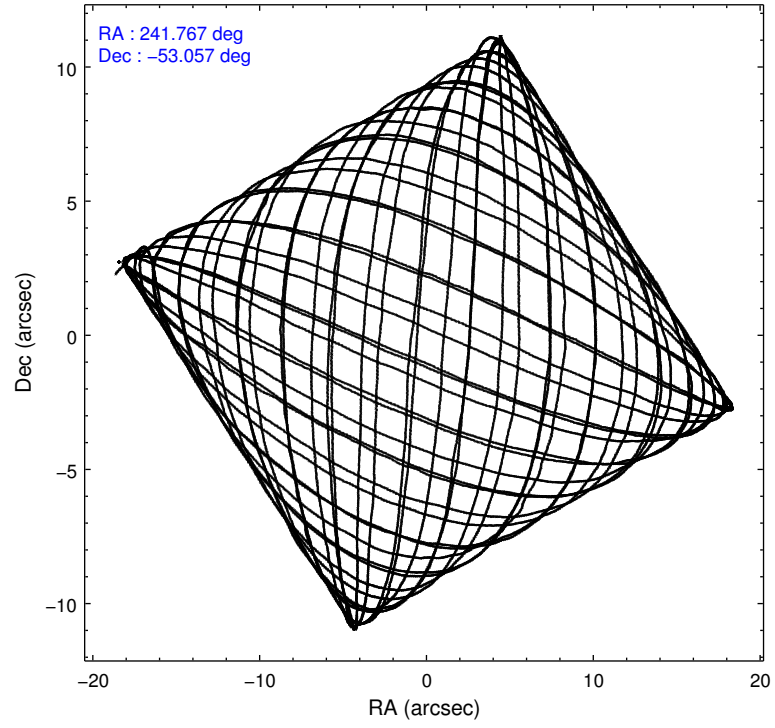
2.1.4 Events

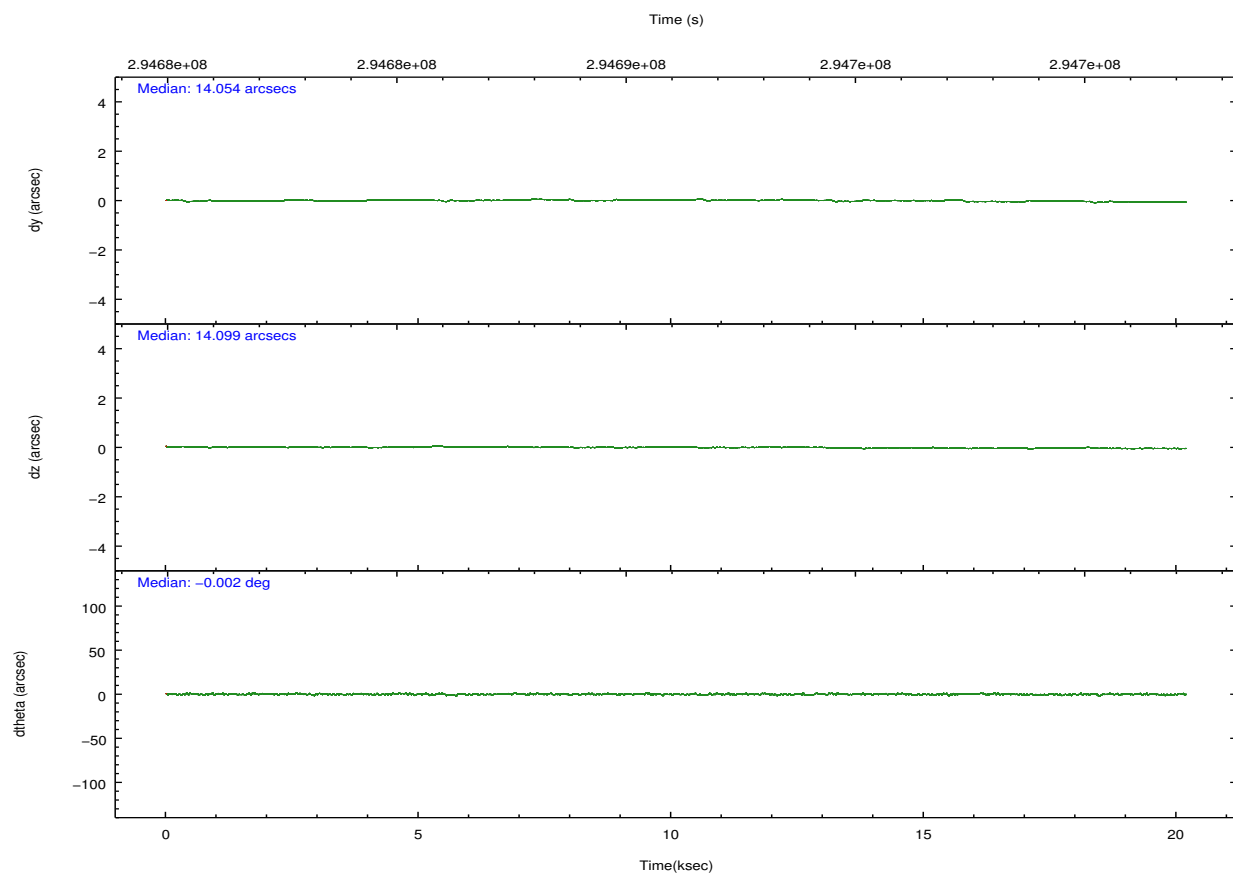
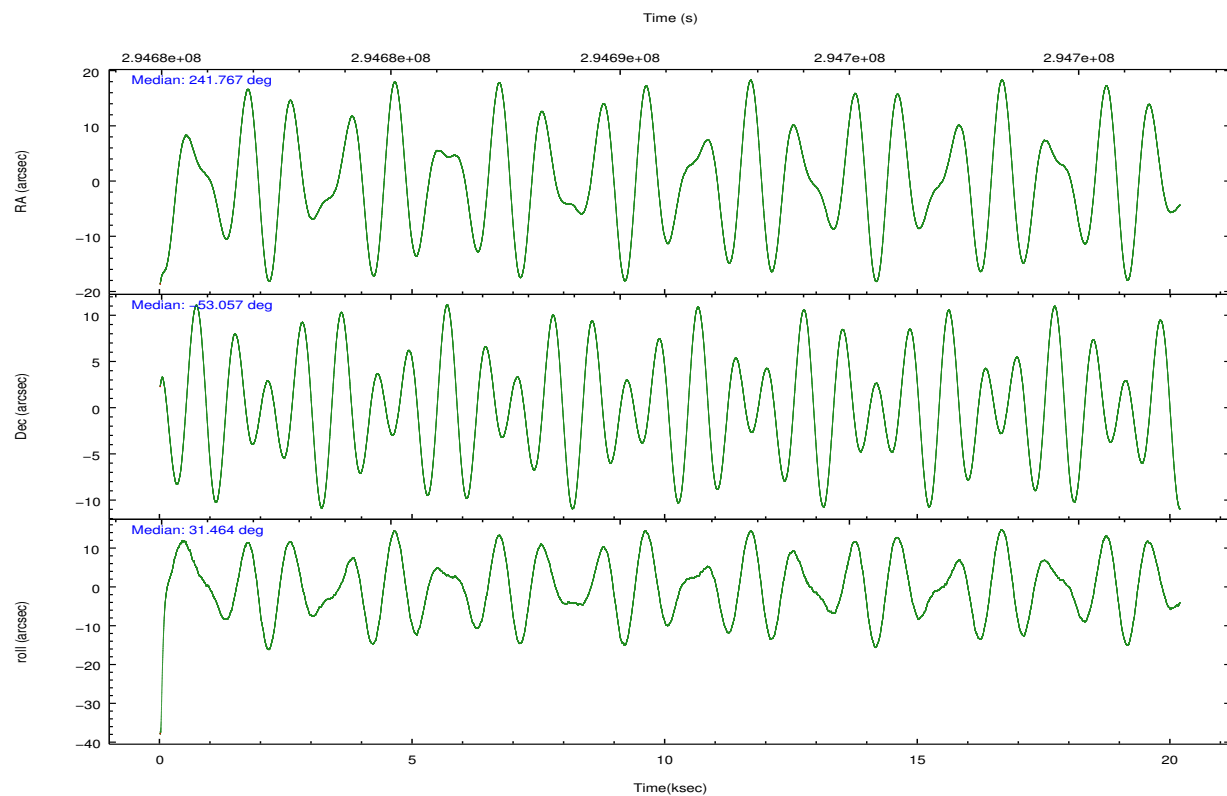
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	191323	196388	207836	203085	214948	283339	grade 0 events	11627	11323	11402	11735	10330	10062
rejected events	166614	170239	184240	178829	190847	172414		6%	5%	5%	5%	4%	3%
rejected %	87%	86%	88%	88%	88%	60%	grade 1 events	97	117	150	146	125	263
								0%	0%	0%	0%	0%	0%
							grade 2 events	5552	6128	5206	4941	5518	23957
								2%	3%	2%	2%	2%	8%
							grade 3 events	2403	2541	2284	2500	2381	9895
								1%	1%	1%	1%	1%	3%
							grade 4 events	2218	2485	2331	2403	2277	9902
								1%	1%	1%	1%	1%	3%
							grade 5 events	8323	9041	7820	9495	9870	26498
								4%	4%	3%	4%	4%	9%
							grade 6 events	4396	5222	4015	4222	5069	63800
								2%	2%	1%	2%	2%	22%
							grade 7 events	156707	159531	174628	167643	179378	138962
								81%	81%	84%	82%	83%	49%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	241.745505	241.7671637905822	CCD I2 on	Y	Y
[deg] Pointing Dec	-53.080862	-53.05664654336609	CCD I3 on	Y	Y
[deg] Pointing Roll	31.244684	31.47066619869716	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	294681192.184000	294679514.41296	CCD S5 on	N	N
Observation start date	2007-05-04T15:52:07	2007-05-04T15:25:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	294701192.184000	294701940.90153	On-chip summing requested	N	N
Observation end date	2007-05-04T21:25:27	2007-05-04T21:39:00	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



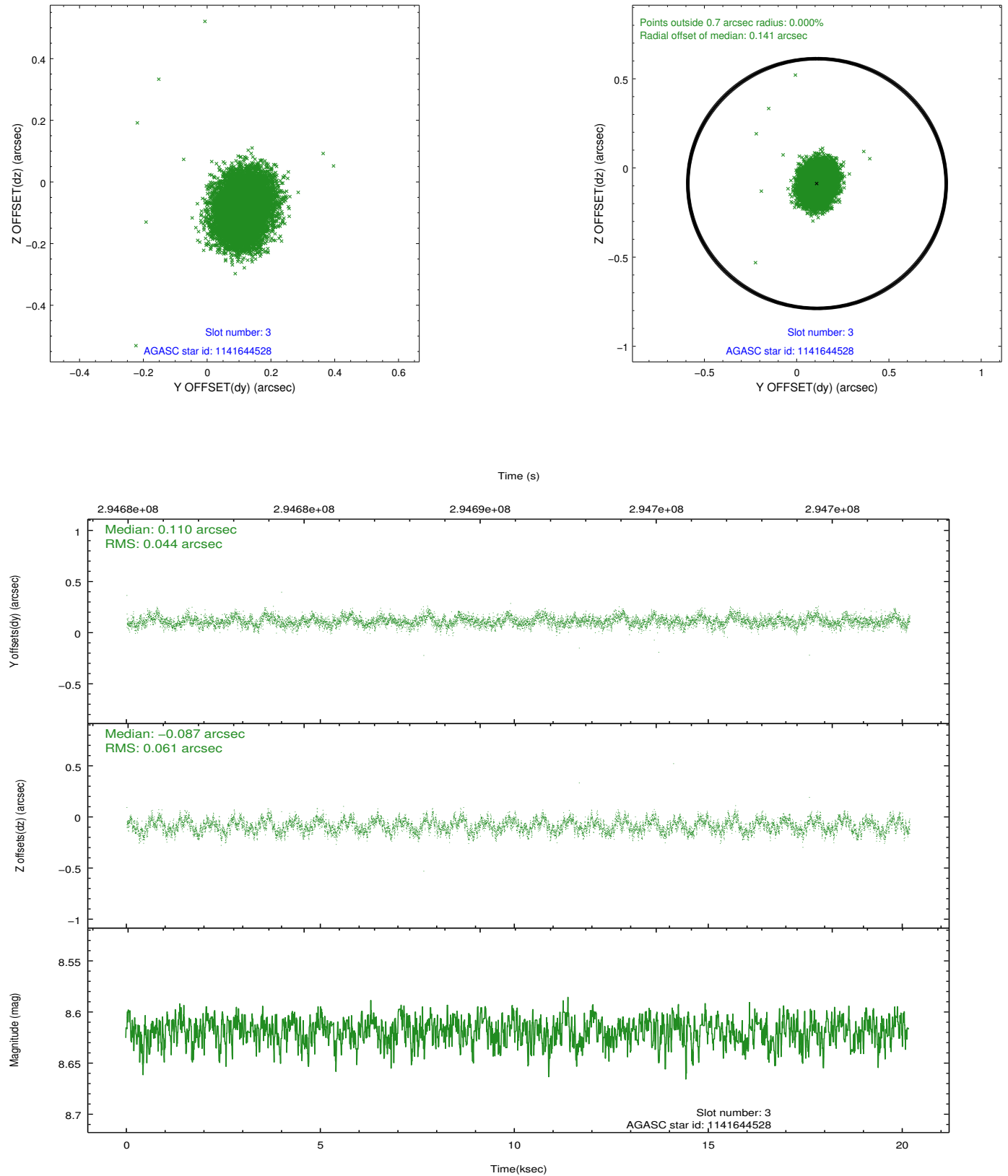


Slot Statistics

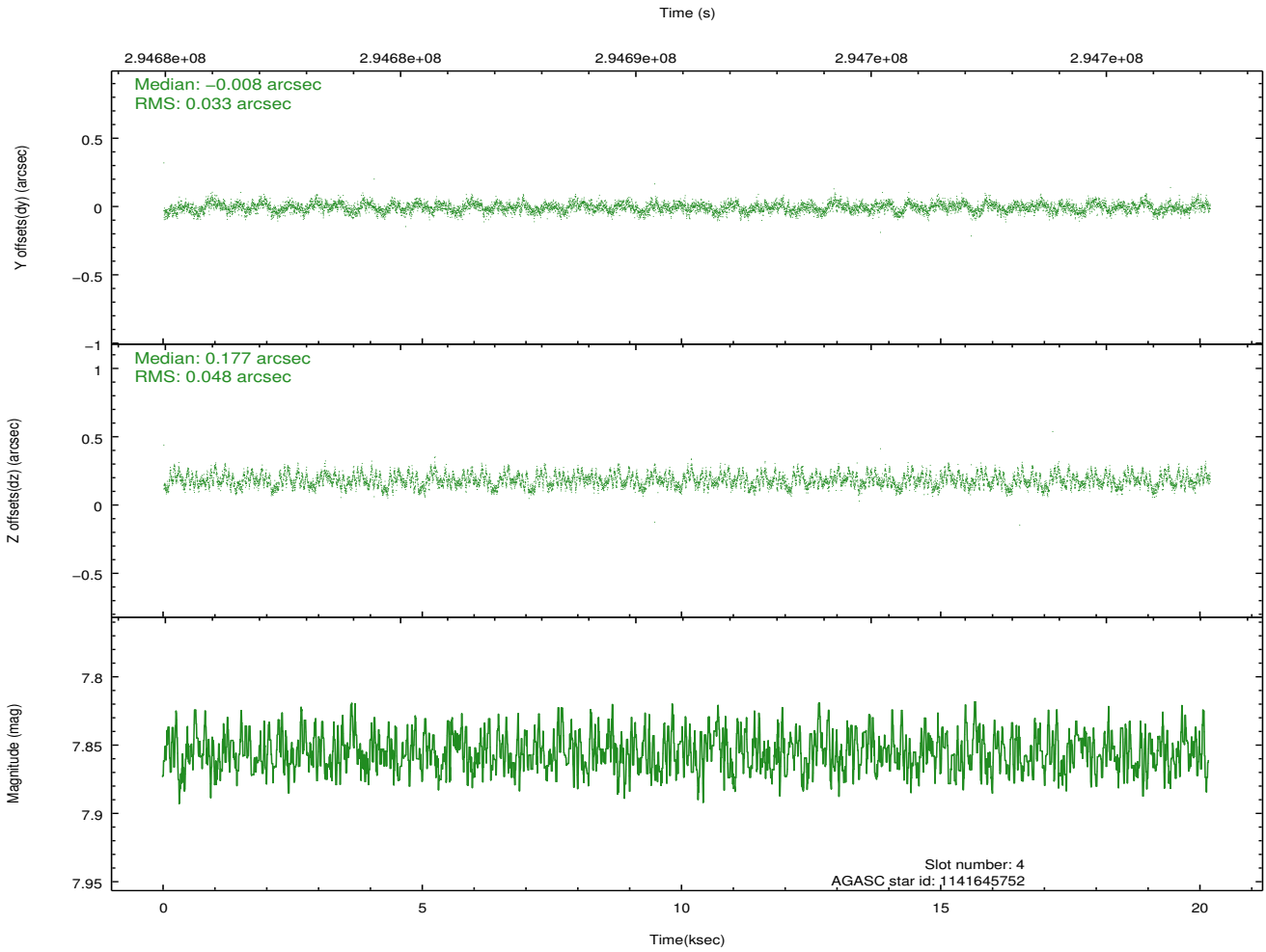
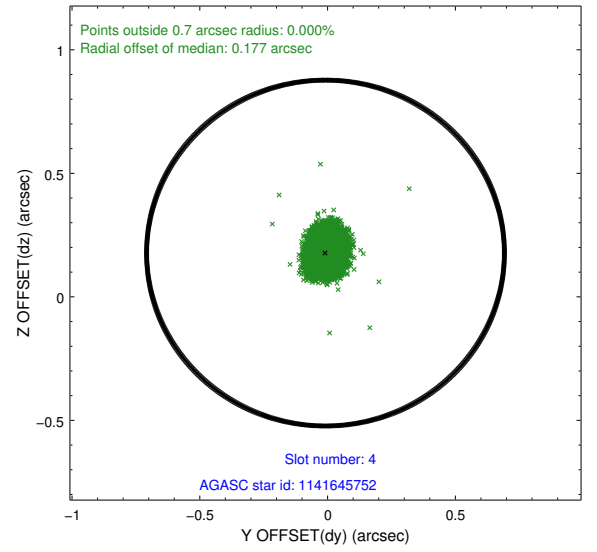
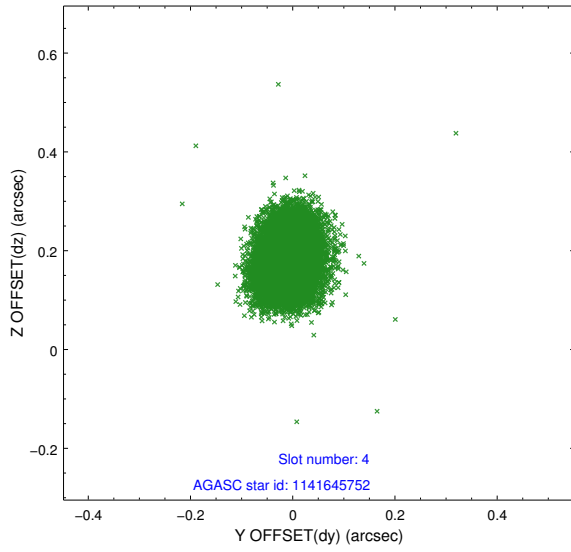
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4922	-0.007	0.031	0.009	0.016	0.000000	0.000000	925.43	-837.64
1	FID	ACIS-I-4	7.16	4922	0.201	0.006	0.009	0.015	0.000000	0.000000	2145.79	1062.04
2	FID	ACIS-I-5	7.22	4920	-0.292	0.034	0.008	0.015	0.000000	0.000000	-1822.61	1060.15
3	GUIDE	1141644528	8.62	9841	0.110	-0.087	0.081	0.127	241.589321	-53.049066	-229.34	272.78
4	GUIDE	1141645752	7.86	9844	-0.008	0.177	0.062	0.099	242.133822	-53.144656	597.06	-632.89
5	GUIDE	1090786648	8.81	9836	-0.244	-0.209	0.076	0.121	241.384137	-52.469246	463.49	2291.65
6	GUIDE	1141656496	9.07	9840	0.076	0.306	0.101	0.164	241.754980	-53.827533	-1376.27	-2308.21
7	GUIDE	1141642808	8.94	9837	0.063	-0.179	0.074	0.118	242.344762	-52.759774	1713.24	306.27

2.4 Star Slots

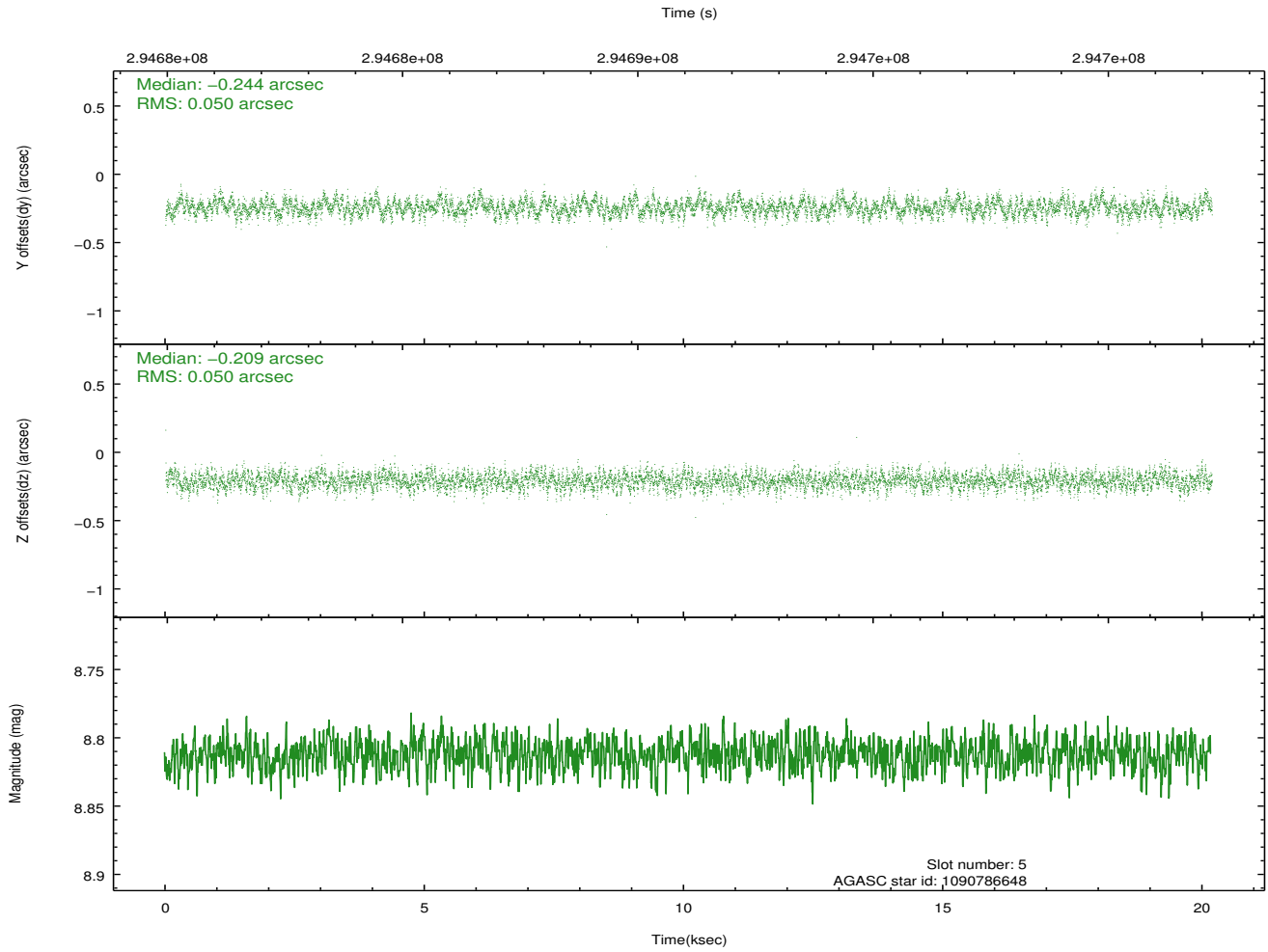
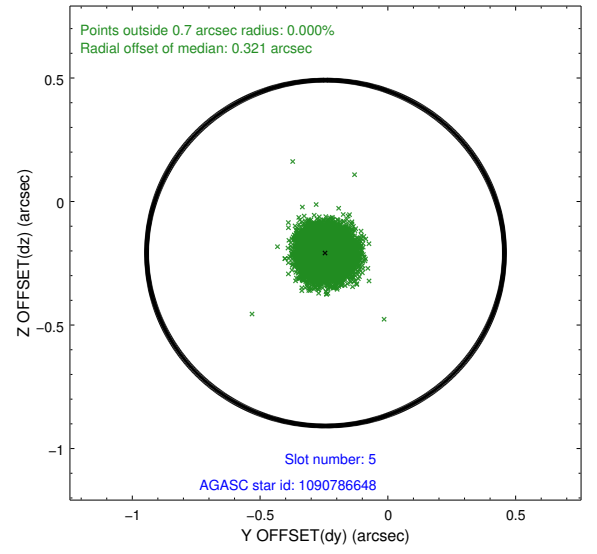
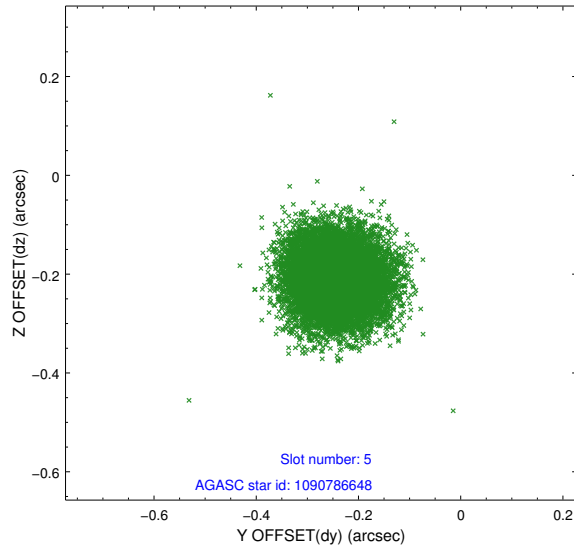
2.4.1 Slot 3



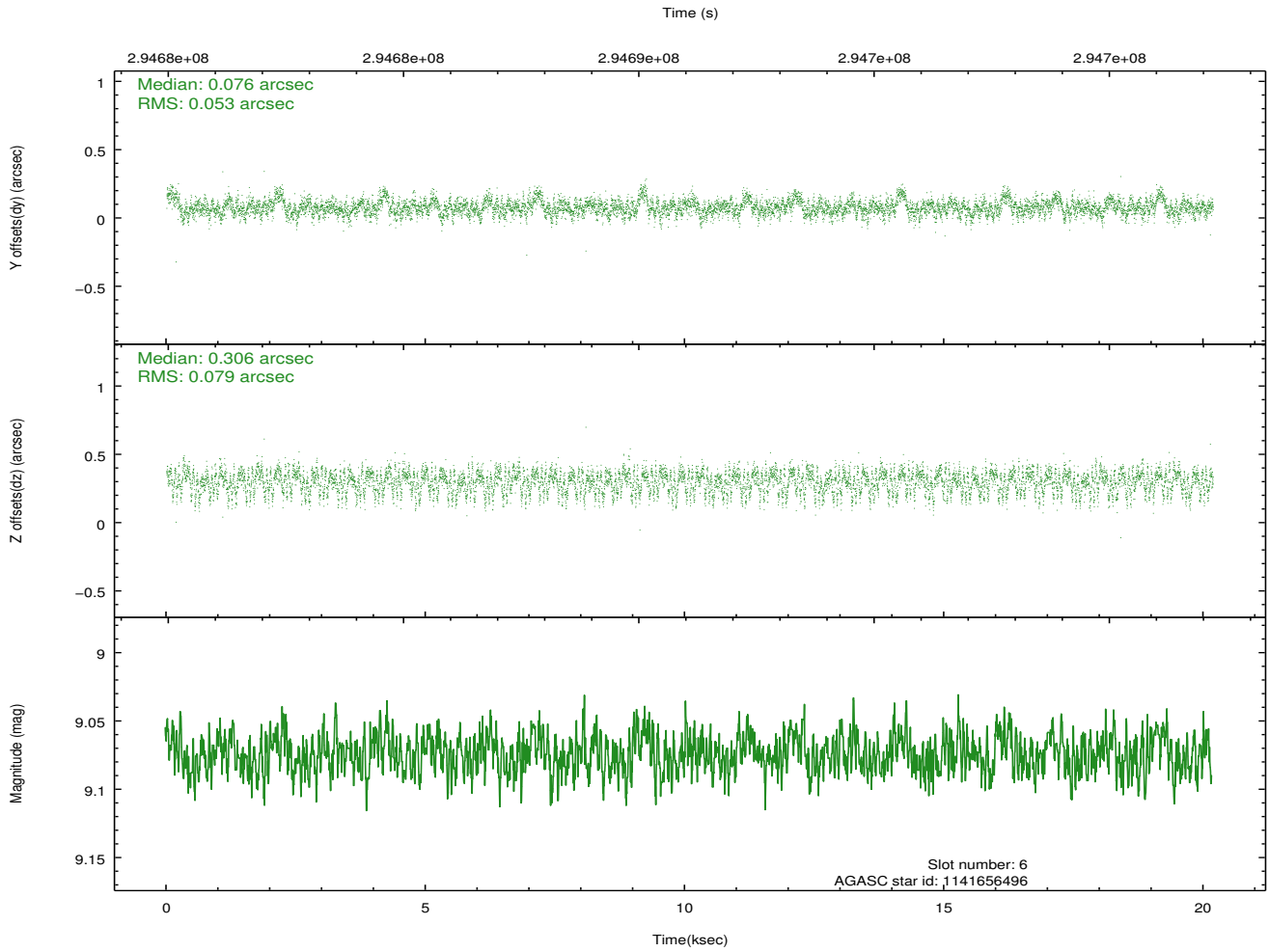
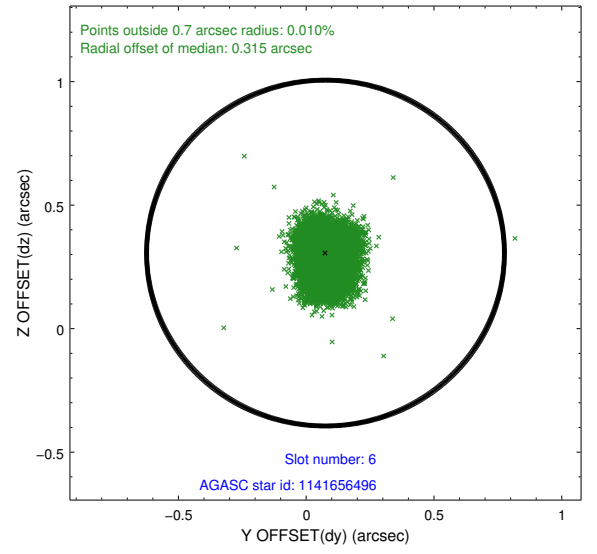
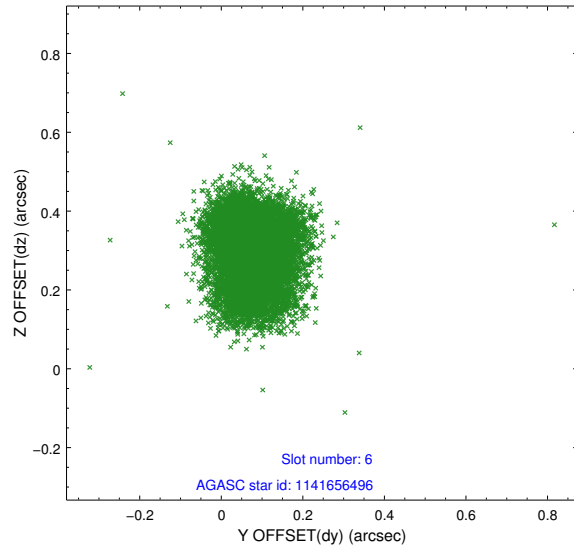
2.4.2 Slot 4



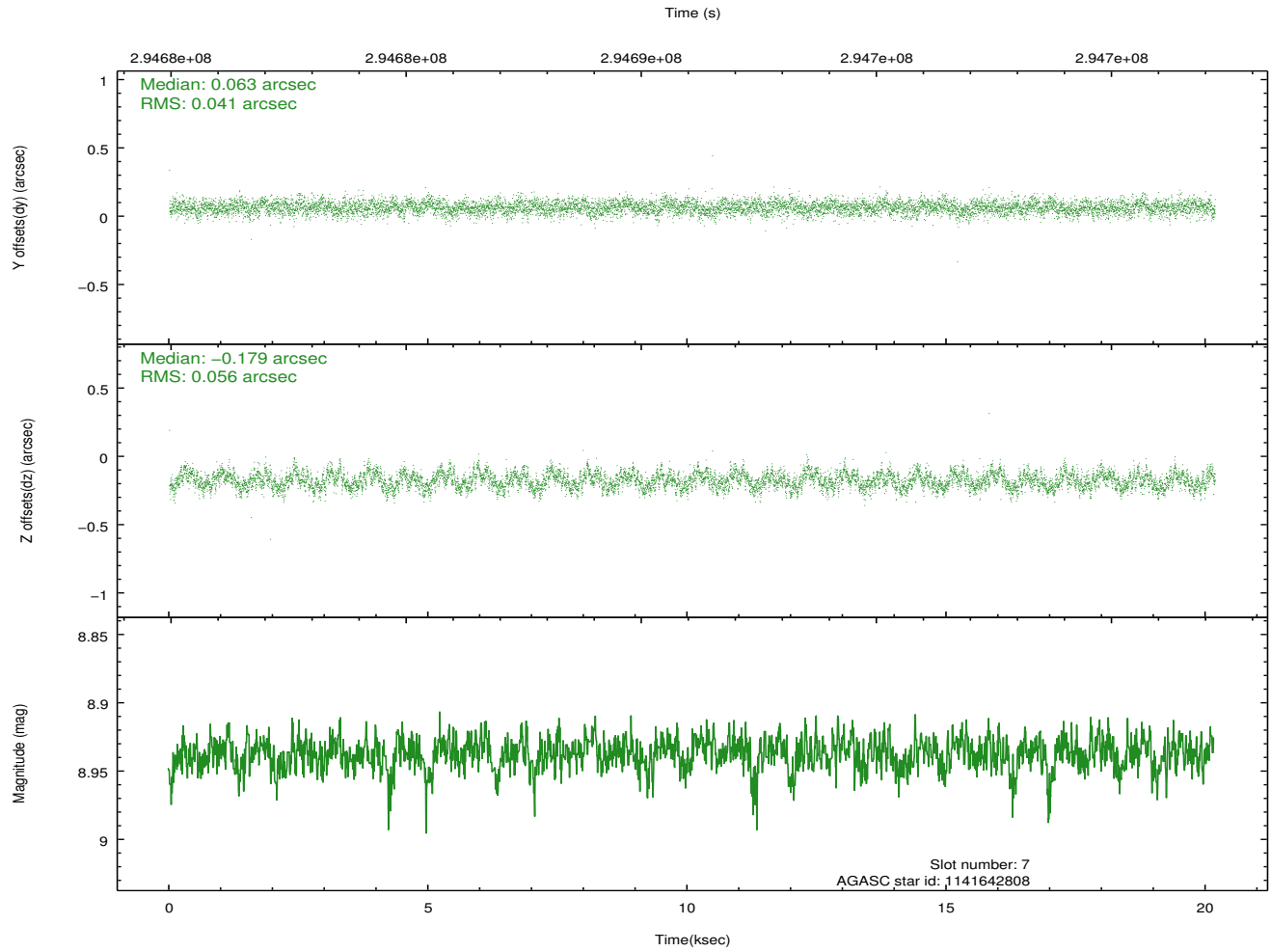
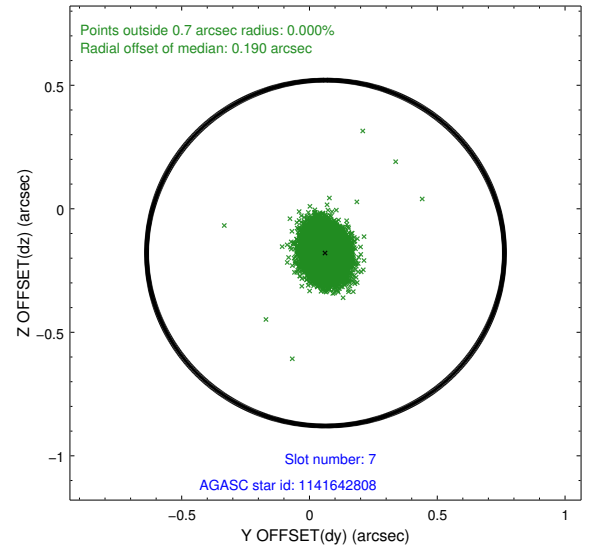
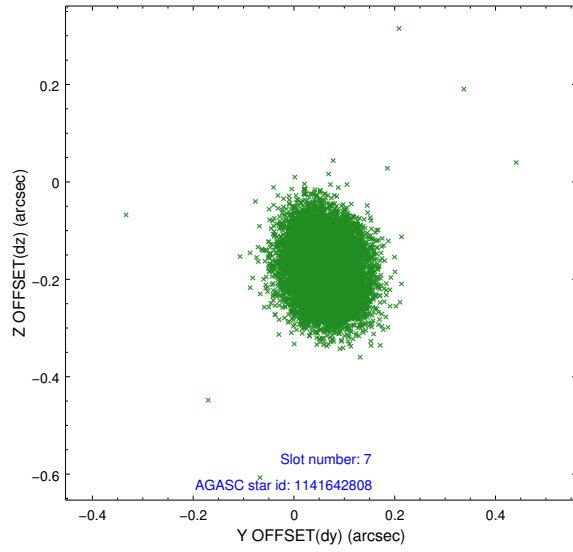
2.4.3 Slot 5



2.4.4 Slot 6

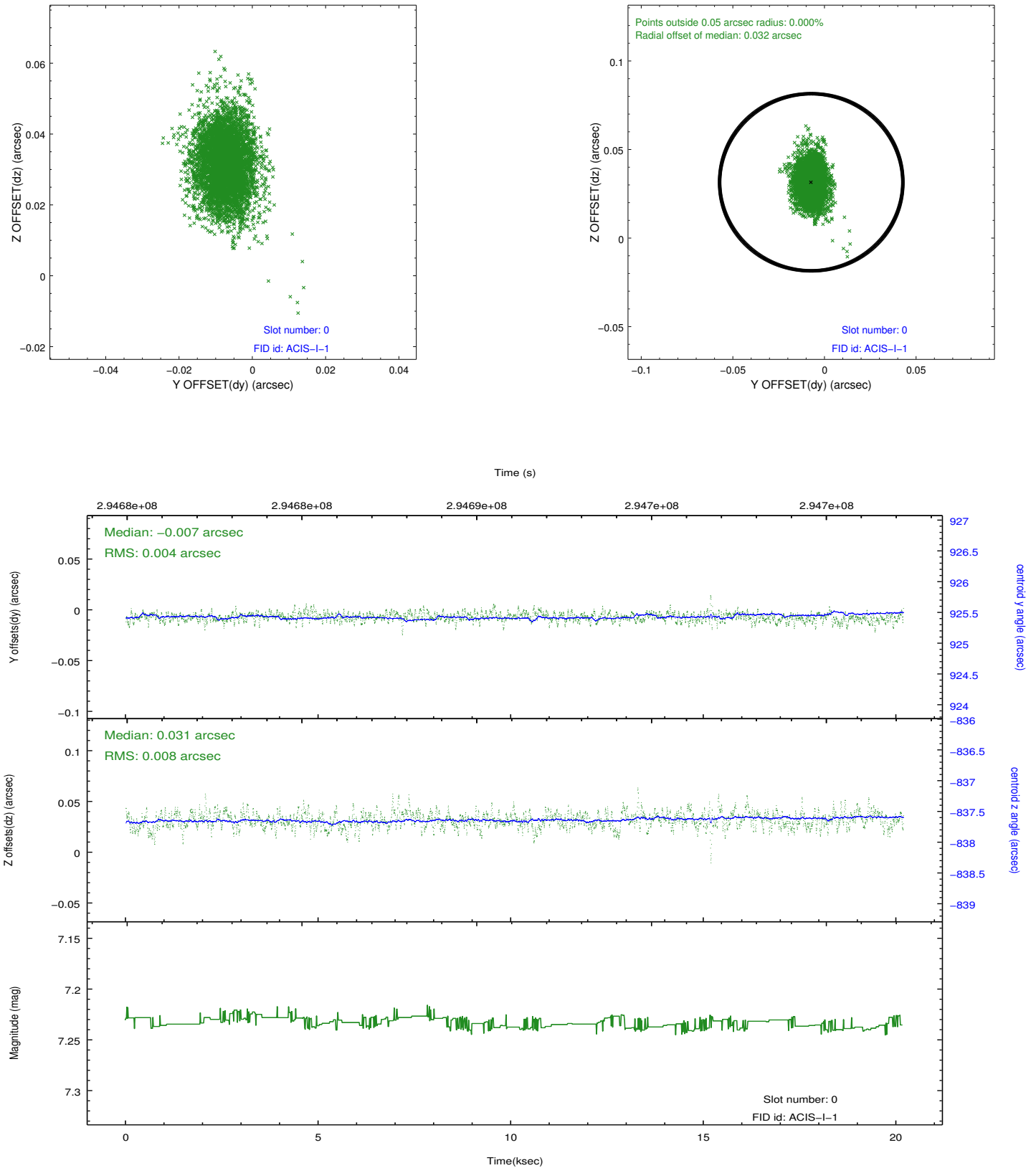


2.4.5 Slot 7

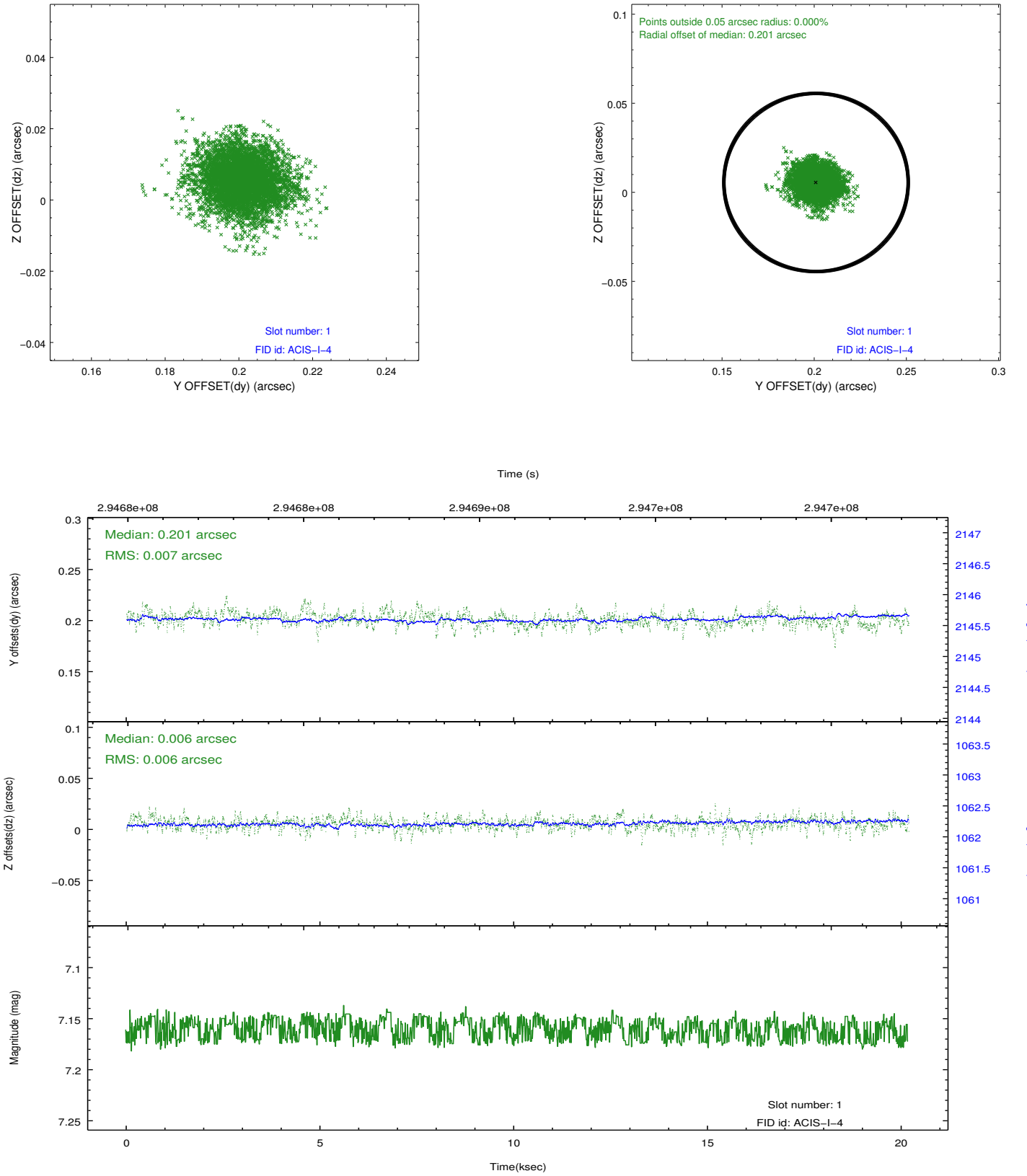


2.5 FID Slots

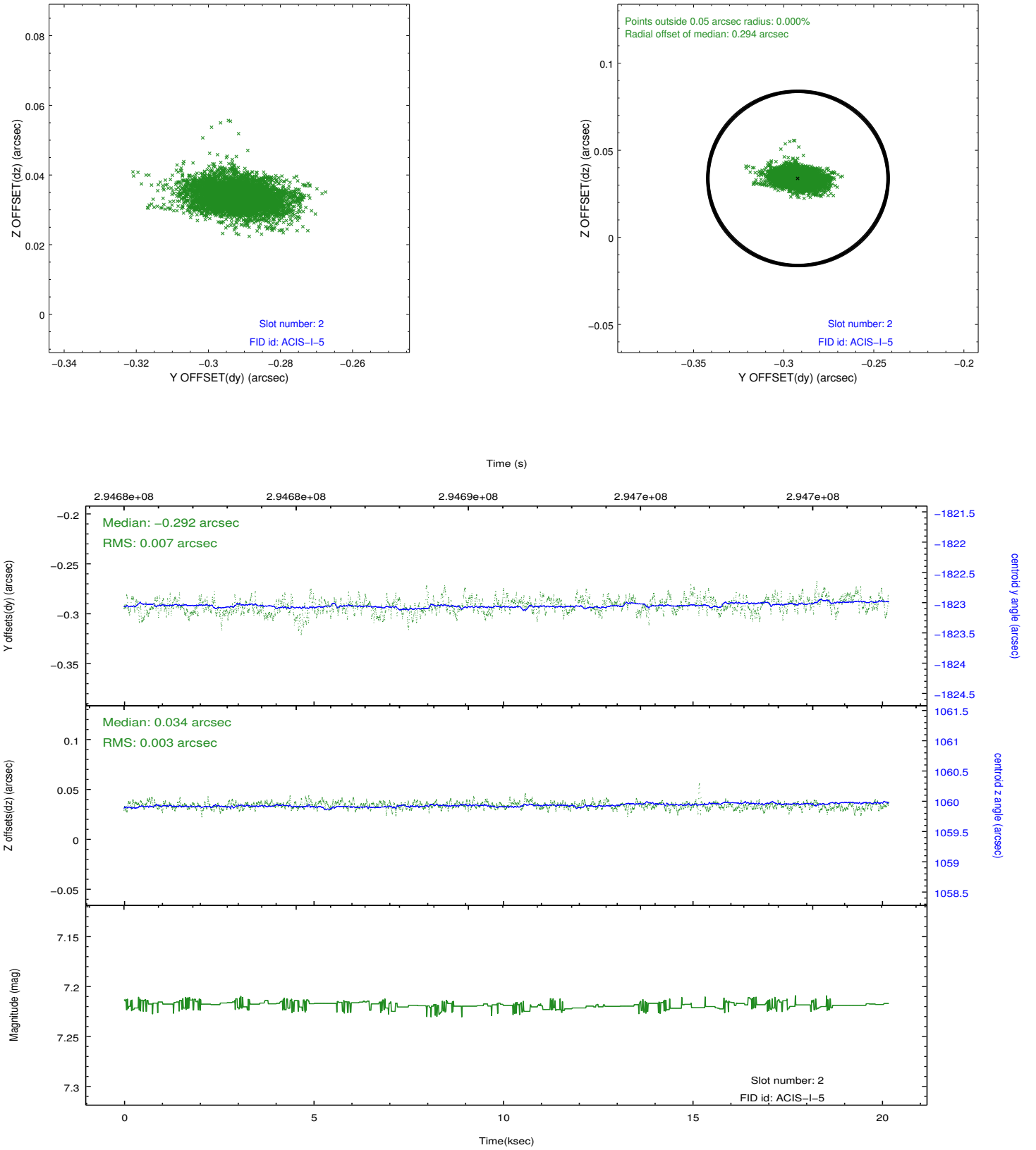
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1791999

A.2 Comments