

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5023 - L2 Version 3
Chandra X-Ray Center

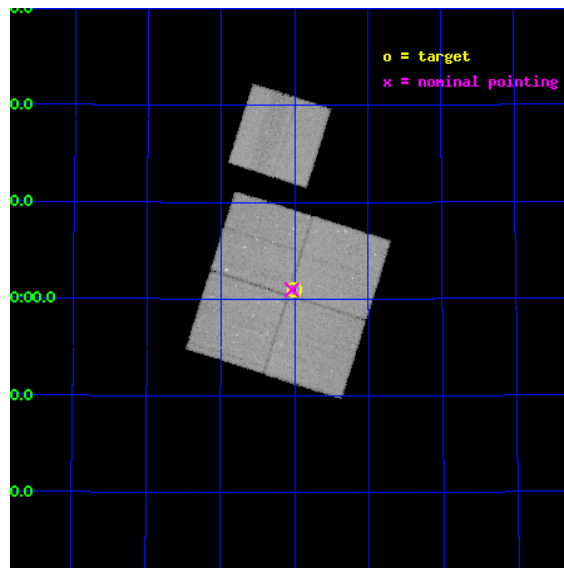
L2 Processing Date : Dec 9 2012

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1 Front

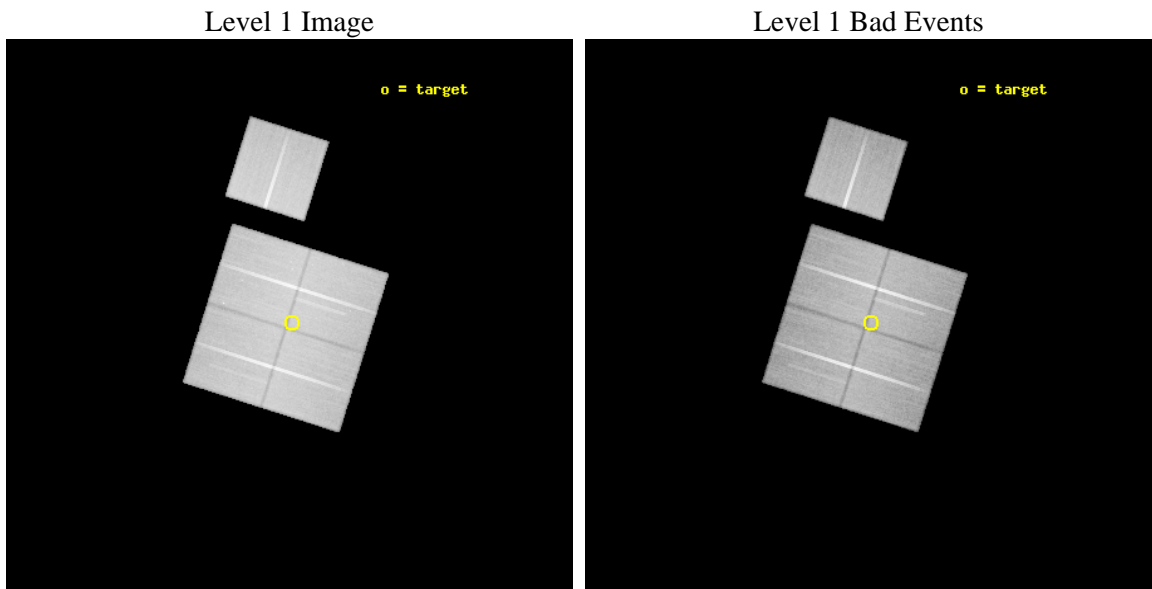
seq_num	900330	Sequence number
obs_id	5023	Observation id
title	The Balance of Power between Starbursts and AGN: a Chandra/SIRTf Survey.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	SWIRE LOCKMAN 5 (center)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.5	Observer's specified target RA [deg]
dec_targ	59.016667	Observer's specified target Dec [deg]
ra_nom	161.50900708622	Nominal RA [deg]
dec_nom	59.016236209542	Nominal Dec [deg]
roll_nom	17.600963951865	Nominal Roll [deg]
revision	3	Processing version of data
ontime	68035.273040801	Sum of GTIs [s]
livetime	67146.342111684	Livetime [s]
ontime0	68047.713732004	Sum of GTIs [s]
ontime1	68038.331811547	Sum of GTIs [s]
ontime2	68041.514040947	Sum of GTIs [s]
ontime3	68035.273040801	Sum of GTIs [s]
ontime6	68047.672692001	Sum of GTIs [s]
l2events	288749	Number of level 2 events



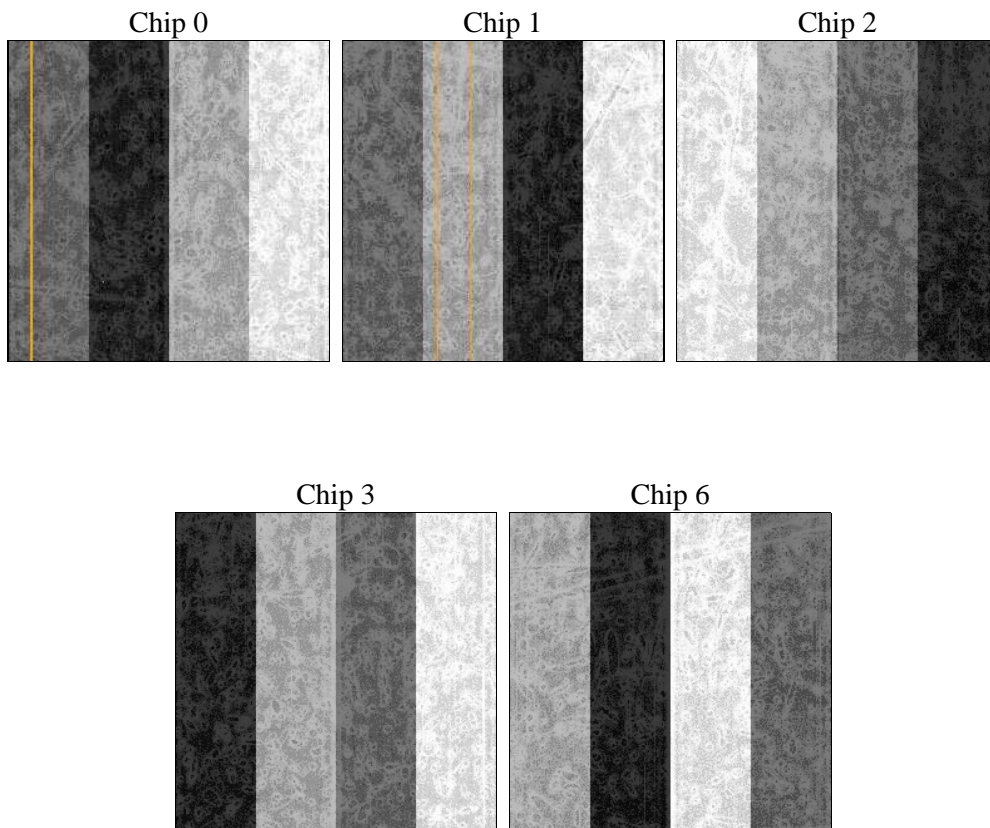
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	68000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	68035.273040801	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	68047.713732004	Sum of GTIs [s]
date	2012-12-09T02:41:12	Date and time of file creation	ontime1	68038.331811547	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	68041.514040947	Sum of GTIs [s]
			ontime3	68035.273040801	Sum of GTIs [s]
			ontime6	68047.672692001	Sum of GTIs [s]
			l1events	2676642	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	506027	512643	565131	544892	547949
rejected events	438353	443513	496717	479708	482552
rejected %	86%	86%	87%	88%	88%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	28676	26428	30674	28078	25762
	5%	5%	5%	5%	4%
grade 1 events	311	251	352	363	251
	0%	0%	0%	0%	0%
grade 2 events	14709	15574	14213	13225	14218
	2%	3%	2%	2%	2%
grade 3 events	6303	6646	6205	6176	6285
	1%	1%	1%	1%	1%
grade 4 events	6079	6661	6210	6091	6160
	1%	1%	1%	1%	1%
grade 5 events	21730	22514	21256	23856	24310
	4%	4%	3%	4%	4%
grade 6 events	11913	13829	11117	11619	12978
	2%	2%	1%	2%	2%
grade 7 events	416306	420740	475104	455484	457985
	82%	82%	84%	83%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	161.473276	161.5090070862244	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.995927	59.01623620954189	Alternating exposures requested	N	N
[deg] Pointing Roll	17.422907	17.60096395186522	[s] Primary exposure time	0.000000	3.1
[deg] Roll angle	19.200000	19.200000			
[deg] Roll tolerance	1.800000	1.800000			
Roll constraint allows 180D rotation	Y	Y			
[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)	211412938.184000	211411919.71039			
Observation start date	2004-09-12T21:47:54	2004-09-12T21:31:59			
[s] Observation end time (MET)	211480938.184000	211481851.87601			
Observation end date	2004-09-13T16:41:14	2004-09-13T16:57:31			
Read mode	TIMED	TIMED			

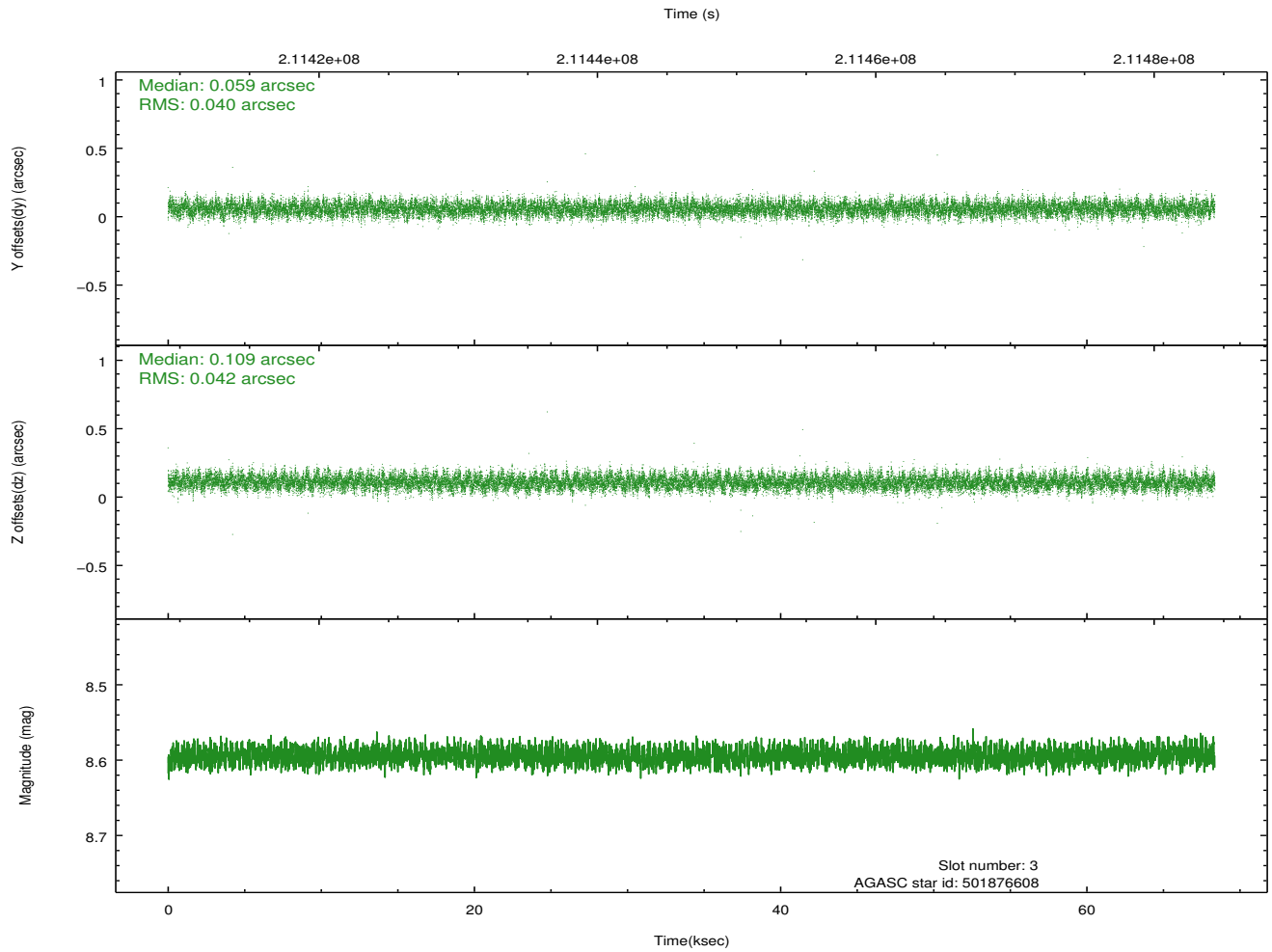
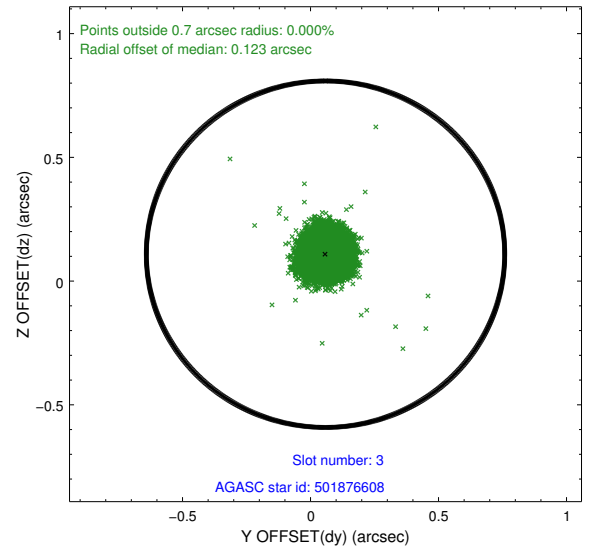
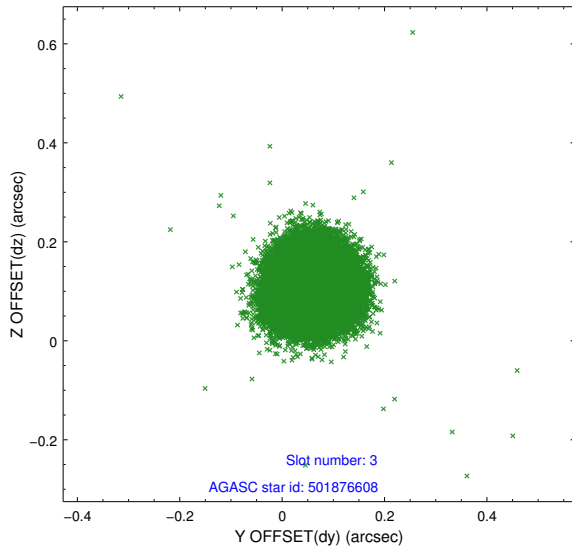
2.3 Aspect

Slot Statistics

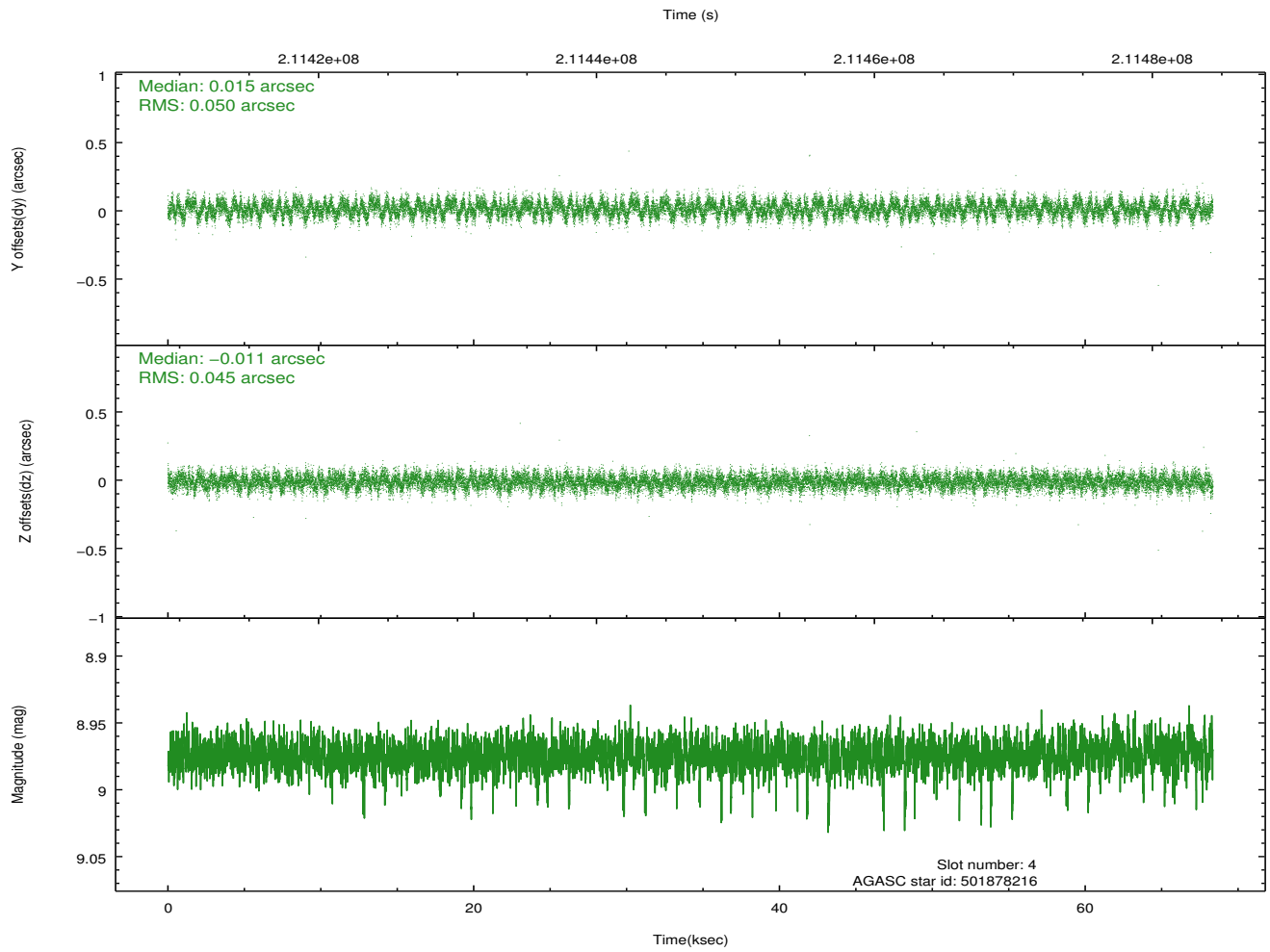
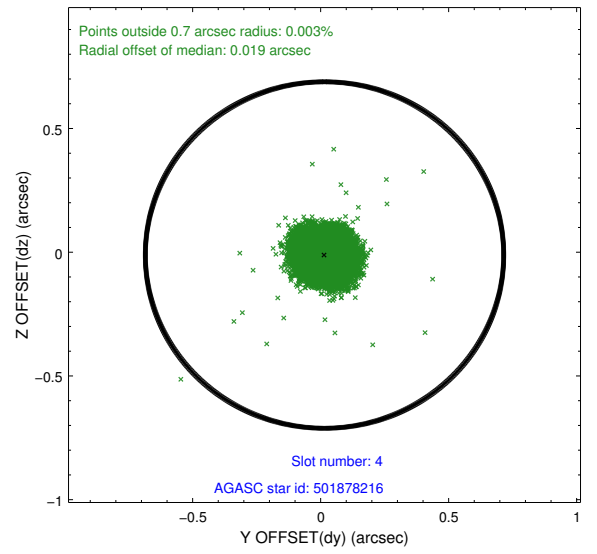
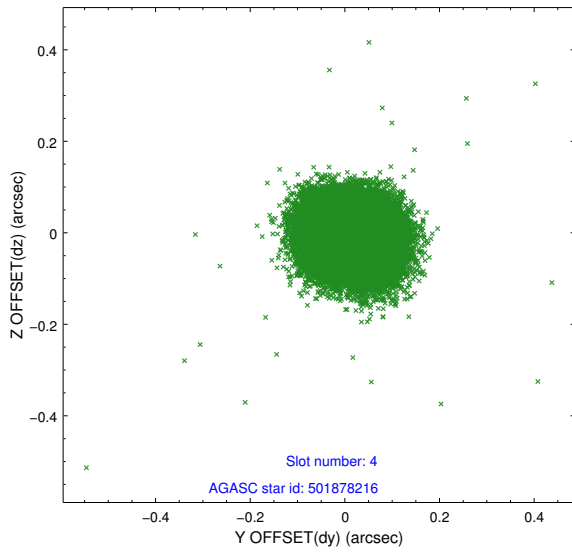
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	16676	0.041	-0.018	0.009	0.016	0.000000	0.000000	932.36	-835.01
1	FID	ACIS-I-5	7.23	16676	-0.162	0.058	0.009	0.017	0.000000	0.000000	-1815.94	1062.64
2	FID	ACIS-I-6	7.25	16674	0.030	0.031	0.007	0.011	0.000000	0.000000	398.01	1707.01
3	GUIDE	501876608	8.59	33343	0.059	0.109	0.062	0.099	161.204341	58.717464	-779.44	-804.98
4	GUIDE	501878216	8.97	33330	0.015	-0.011	0.072	0.114	161.663048	59.249982	607.35	768.58
5	GUIDE	501878576	7.84	33350	-0.079	-0.080	0.044	0.072	161.532118	59.060873	174.01	190.50
6	GUIDE	501880360	8.30	33346	-0.148	0.004	0.064	0.104	161.850113	59.665463	1375.88	2096.61
7	GUIDE	501882104	8.45	33332	0.159	-0.019	0.070	0.113	160.237120	59.342503	-1785.28	1889.25

2.4 Star Slots

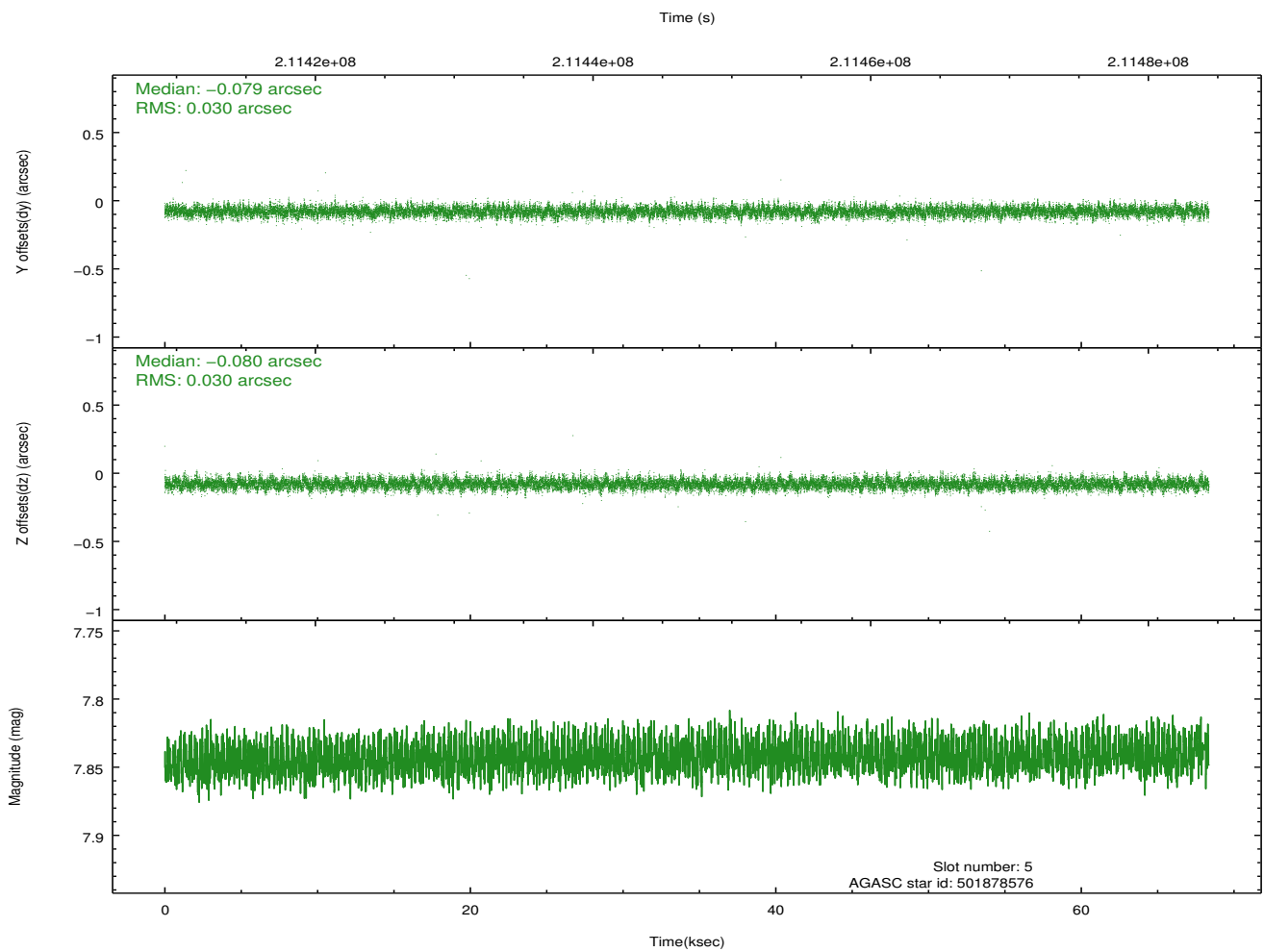
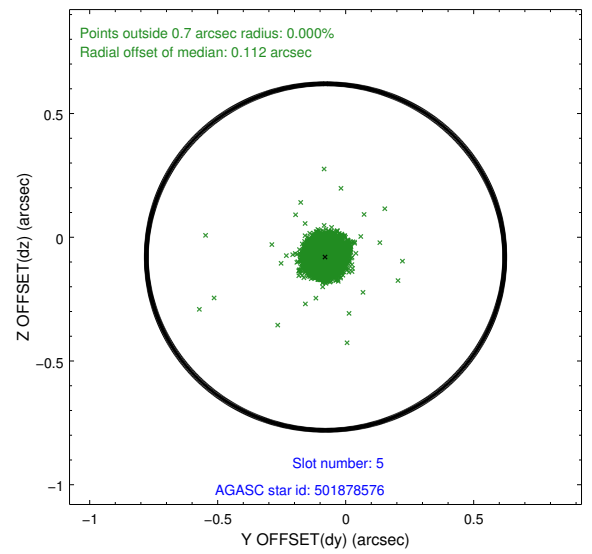
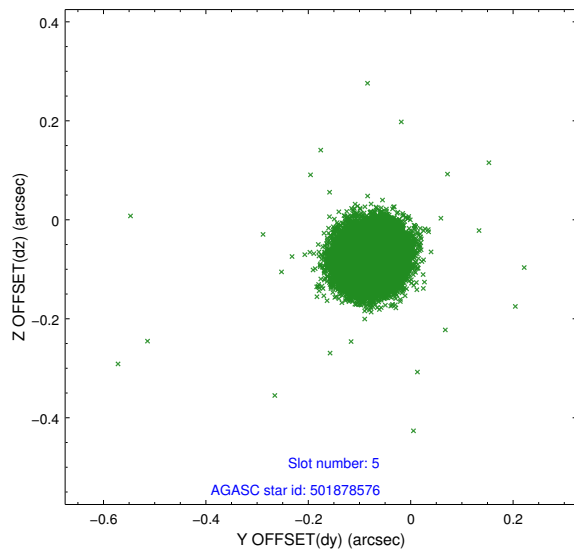
2.4.1 Slot 3



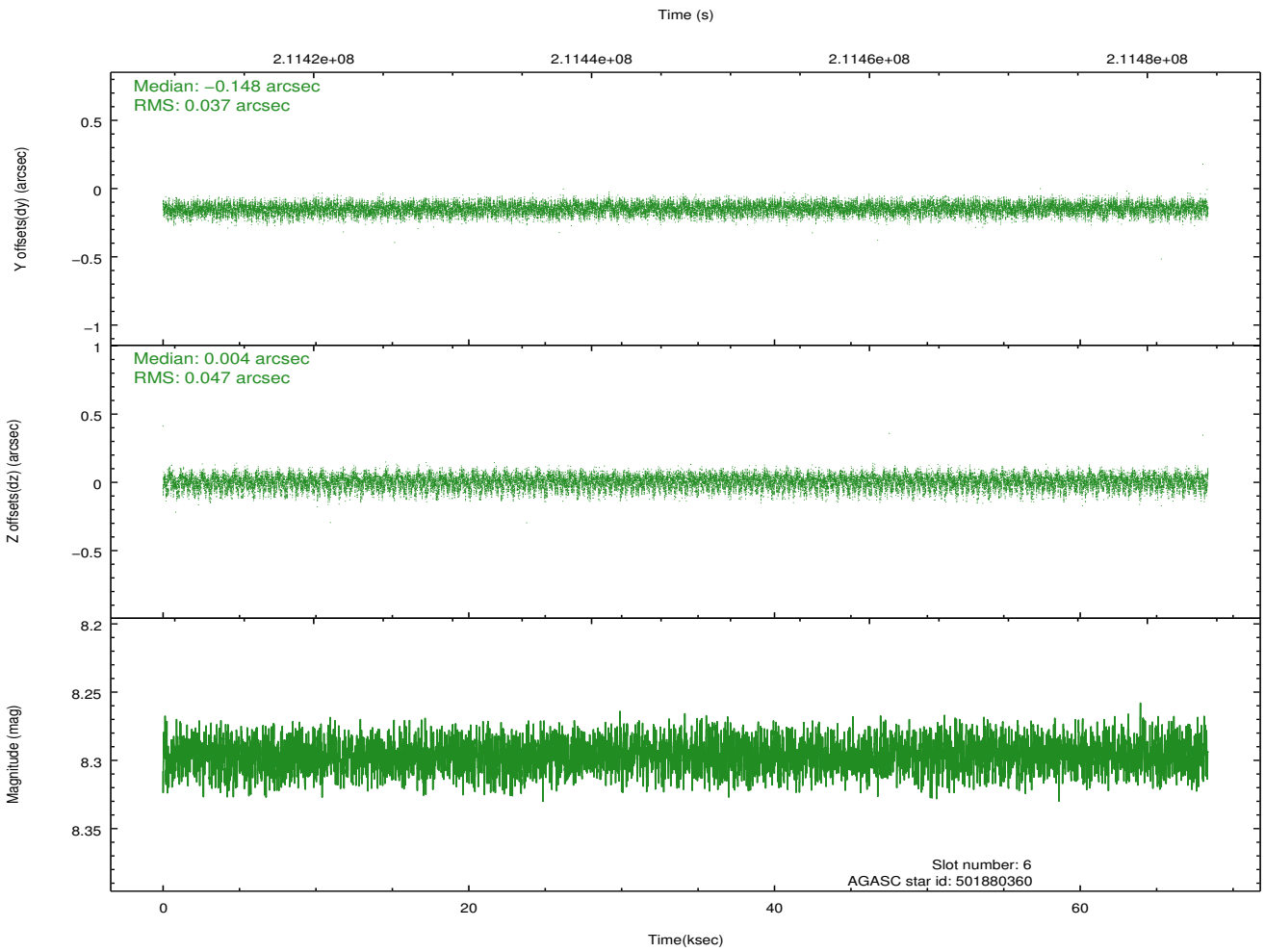
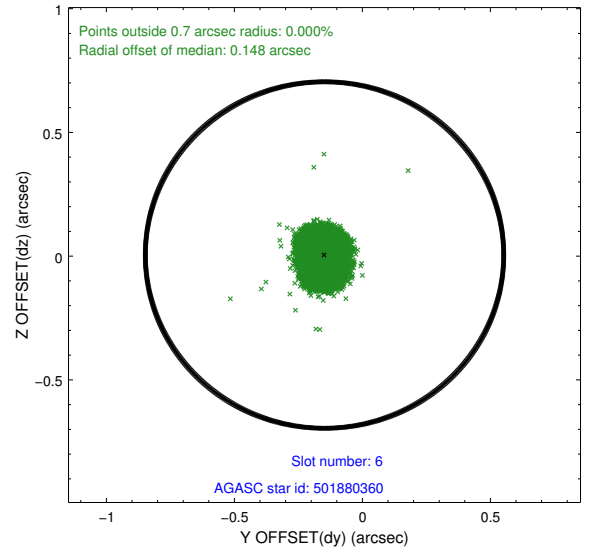
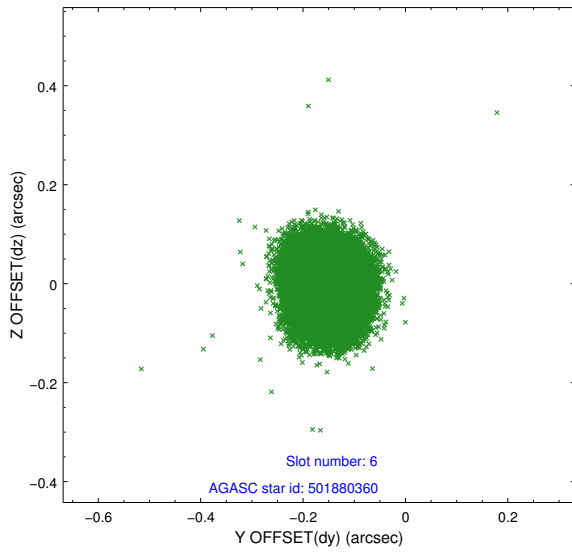
2.4.2 Slot 4



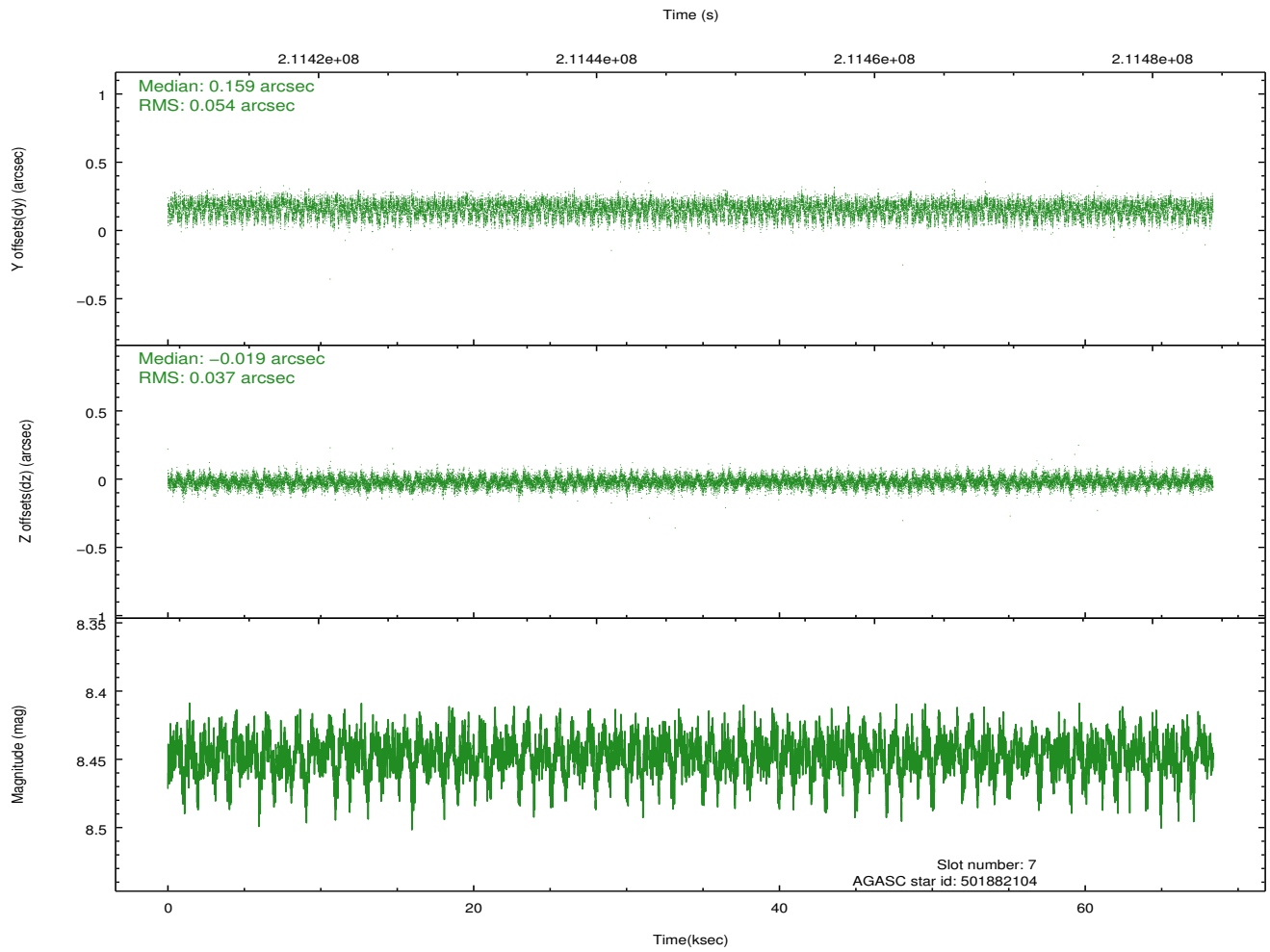
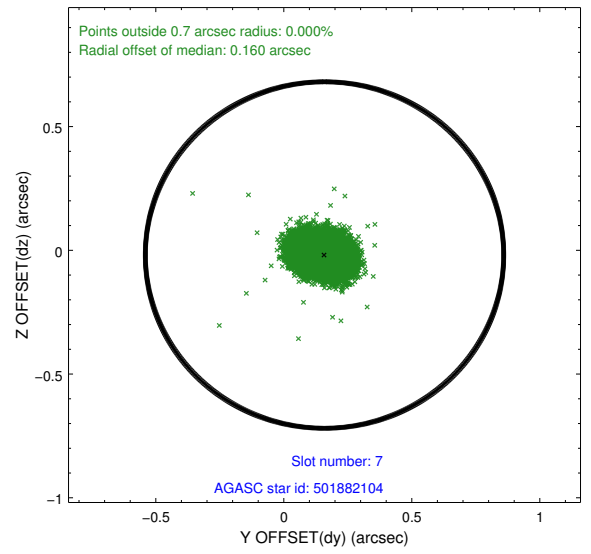
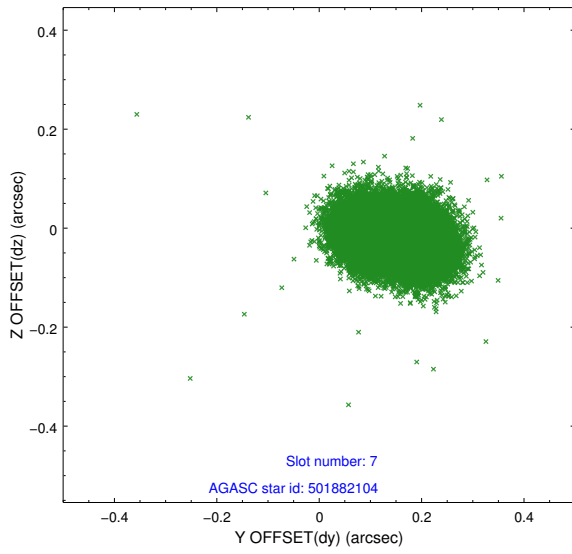
2.4.3 Slot 5



2.4.4 Slot 6

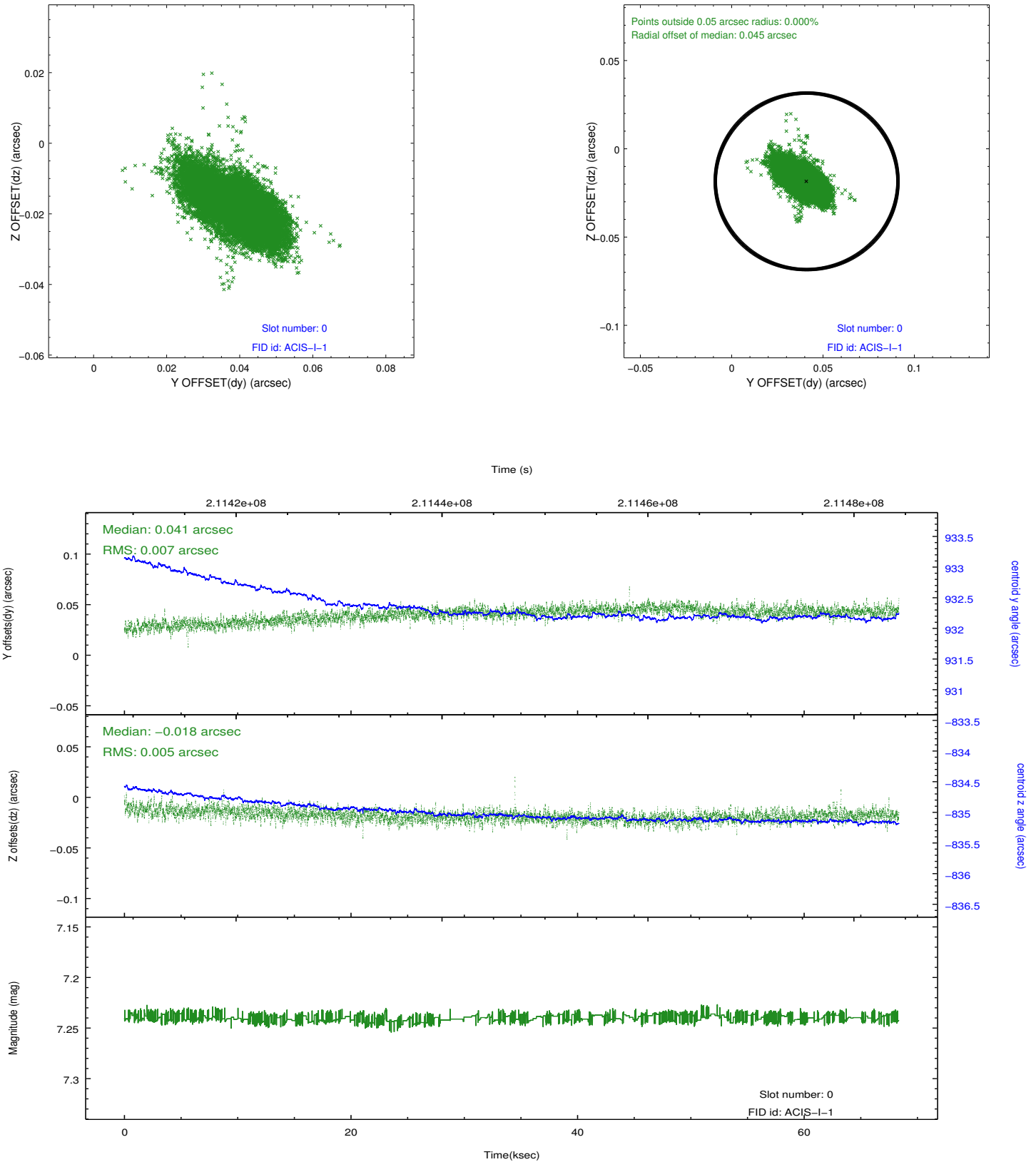


2.4.5 Slot 7

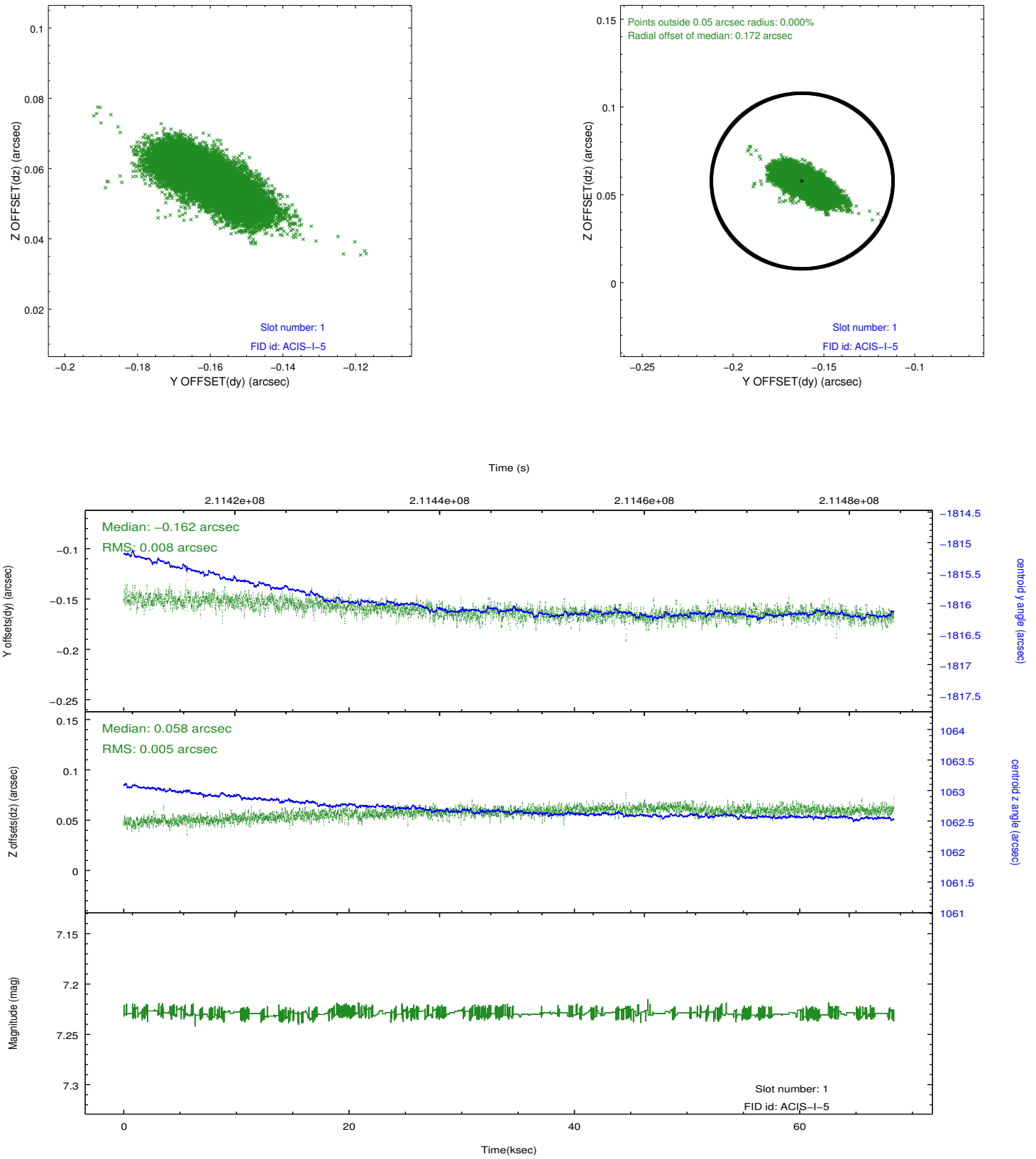


2.5 FID Slots

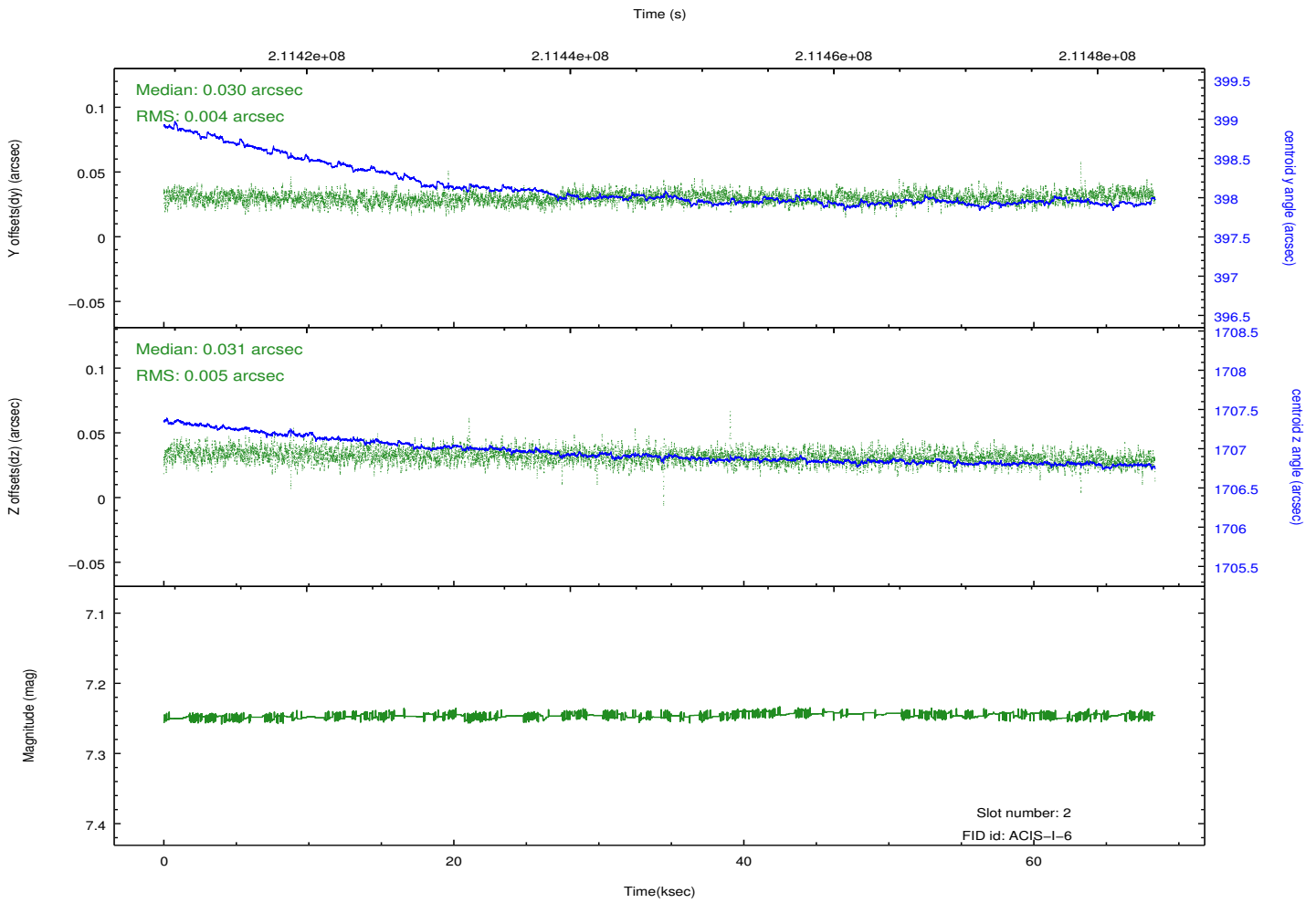
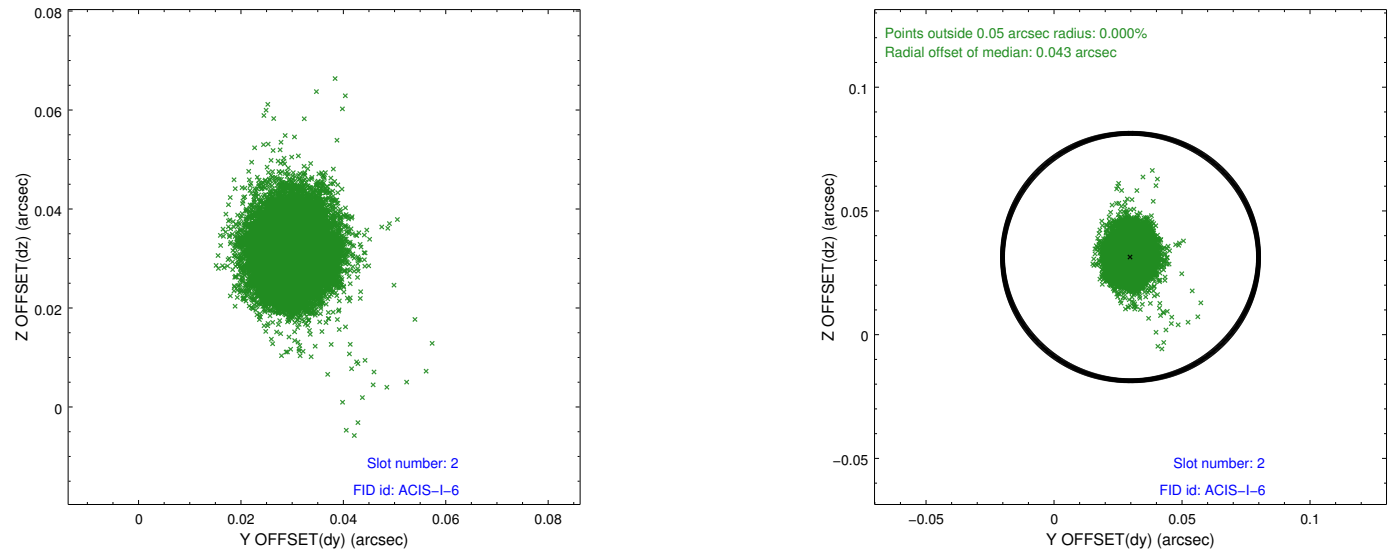
2.5.1 Slot 0



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)	2012.12.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	68.035

A.2 Comments

Joint proposal with NOAO.

Roll preference met.