

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3093 - L2 Version 3
Chandra X-Ray Center

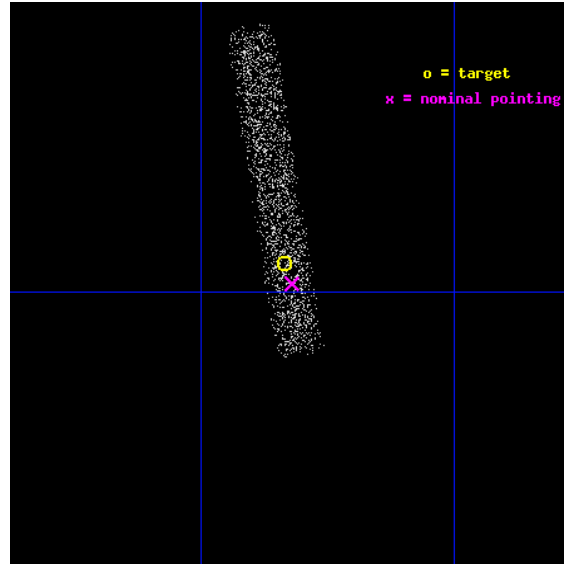
L2 Processing Date : Oct 5 2012

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

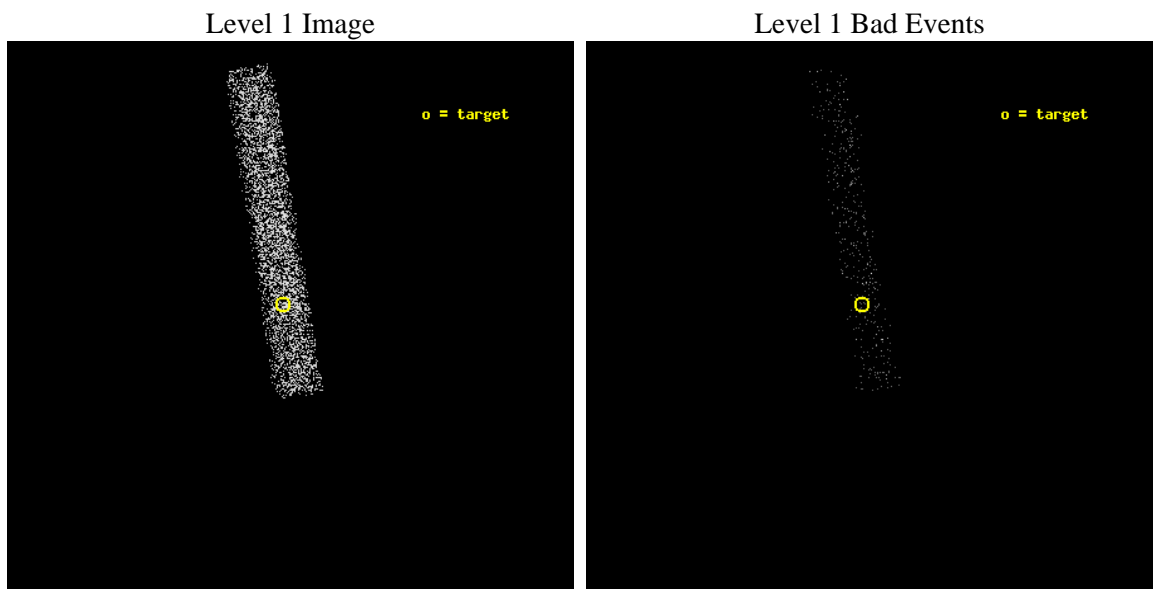
seq_num	700532	Sequence number
obs_id	3093	Observation id
title	THE X-RAY SPECTRA OF RED QUASARS SELECTED FROM 2MASS AND FIRST	Pro
observer	Dr Mark Lacy	Principal investigator
object	FTM0738+2750	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	114.58375	Observer's specified target RA [deg]
dec_targ	27.845972	Observer's specified target Dec [deg]
ra_nom	114.58010836094	Nominal RA [deg]
dec_nom	27.836910426438	Nominal Dec [deg]
roll_nom	260.92305158845	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4408.3590555489	Sum of GTIs [s]
livetime	3998.1489711127	Livetime [s]
ontime7	4408.3590555489	Sum of GTIs [s]
l2events	2223	Number of level 2 events



2 OBI

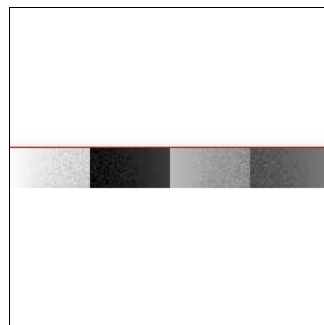
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	4	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4408.3590555489	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4408.3590555489	Sum of GTIs [s]
date	2012-10-05T14:20:58	Date and time of file creation	l1events	5556	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

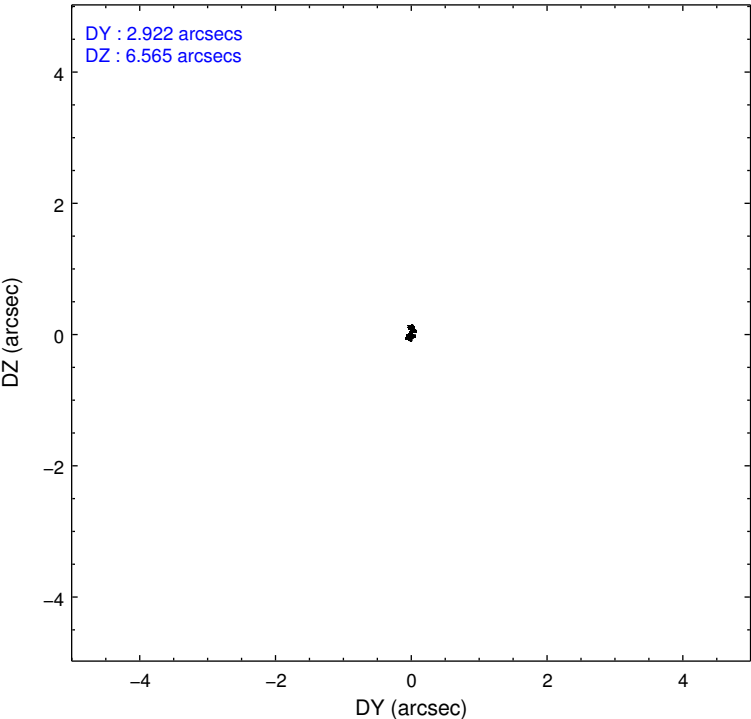
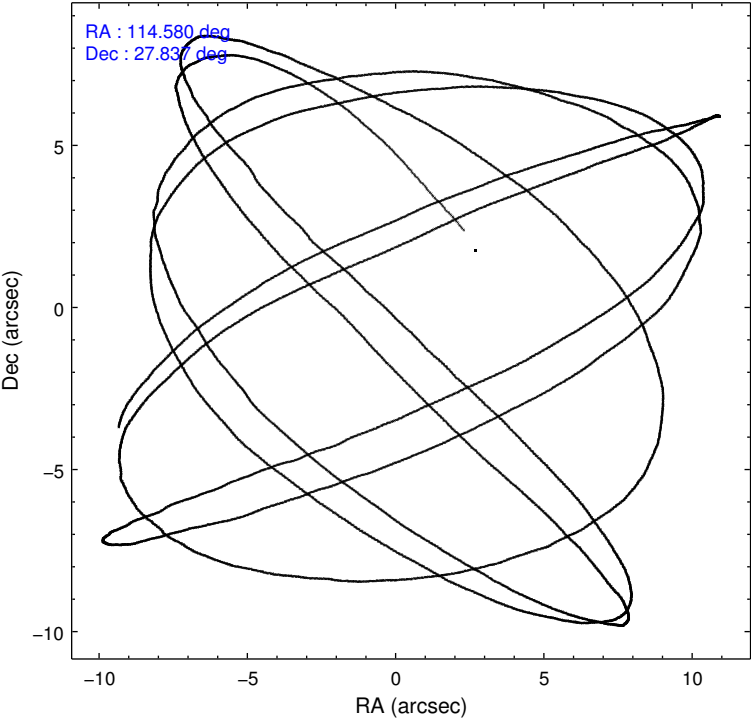
	ccd 7
level 1 events	5556
rejected events	3244
rejected %	58%

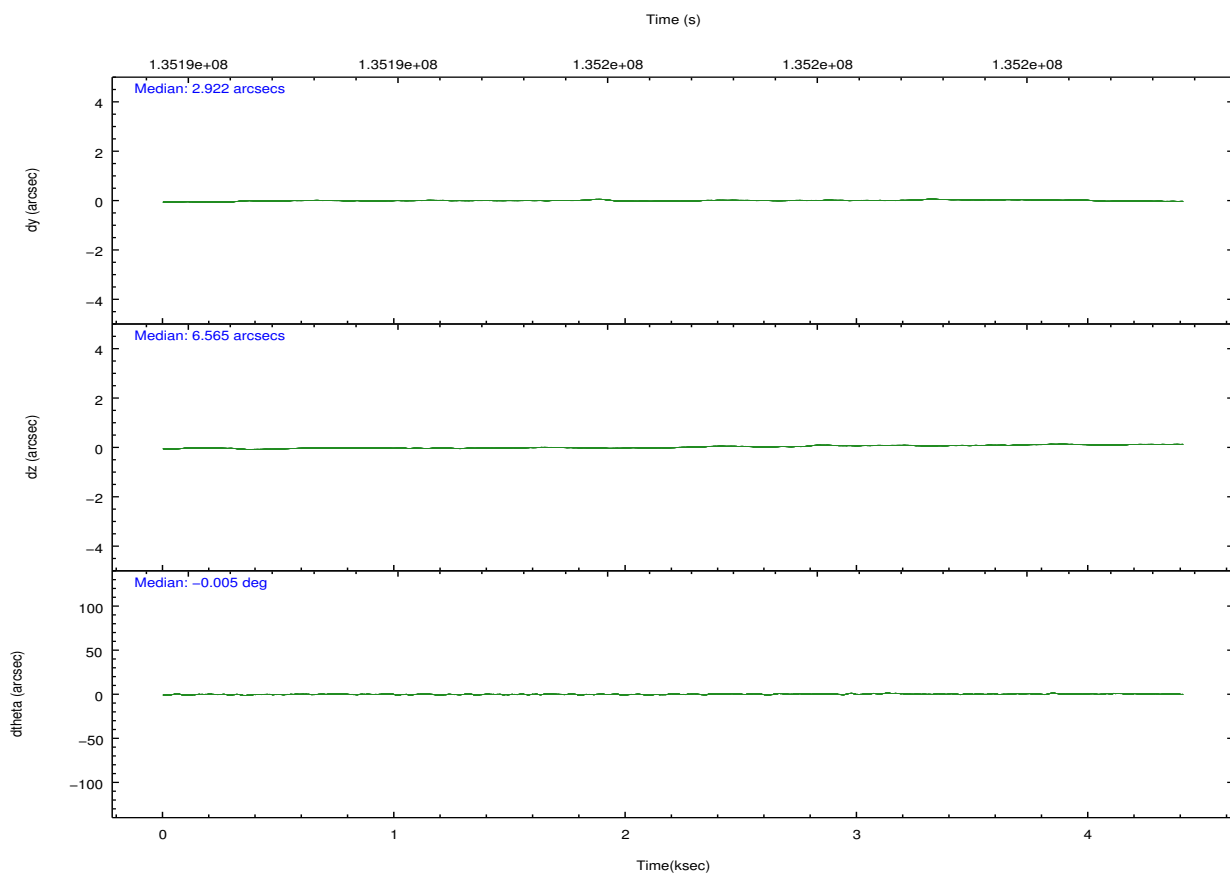
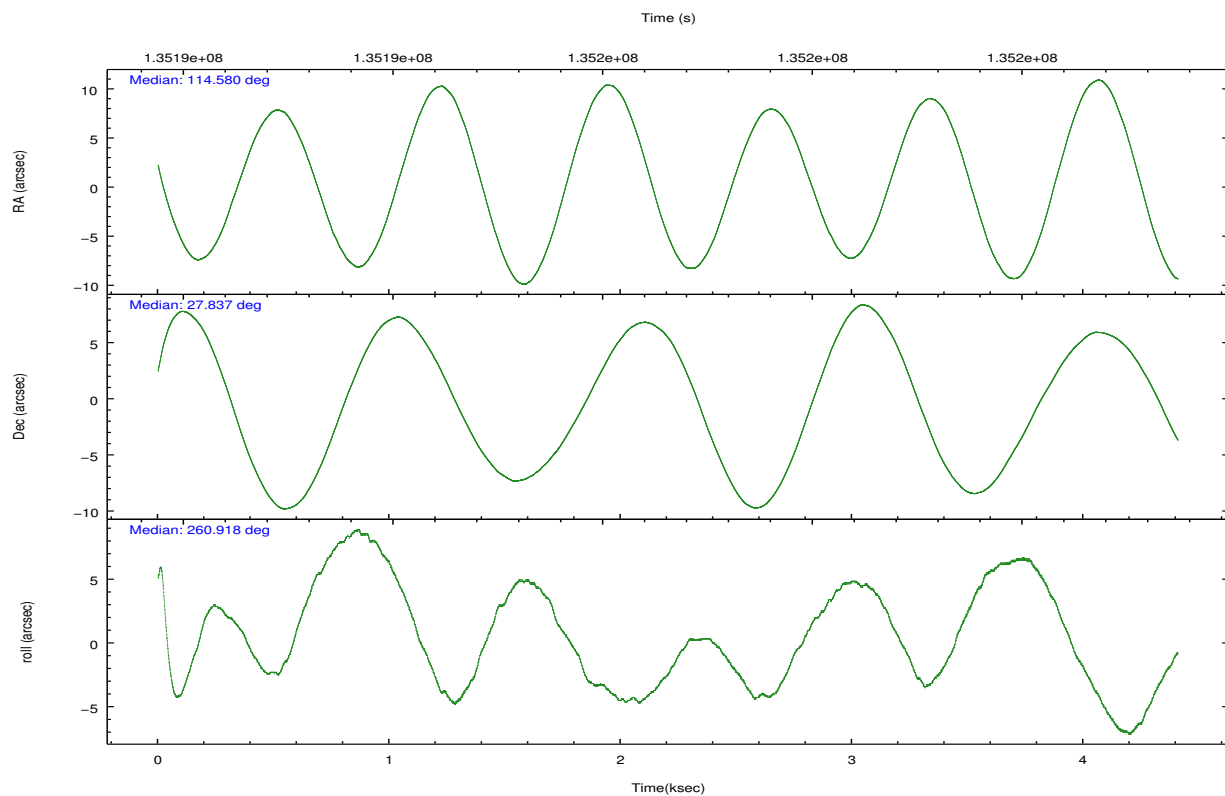
	ccd 7
grade 0 events	266
	4%
grade 1 events	8
	0%
grade 2 events	466
	8%
grade 3 events	332
	5%
grade 4 events	334
	6%
grade 5 events	490
	8%
grade 6 events	1137
	20%
grade 7 events	2523
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	114.568774	114.5801083609408	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	27.862138	27.83691042643849	Subarray start row	449	449
[deg] Pointing Roll	260.771672	260.9230515884527	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	135193516.184000	135192442.91141			
Observation start date	2002-04-14T17:44:12	2002-04-14T17:27:22			
[s] Observation end time (MET)	135197516.184000	135198038.89914			
Observation end date	2002-04-14T18:50:52	2002-04-14T19:00:38			
Read mode	TIMED	TIMED			

2.3 Aspect



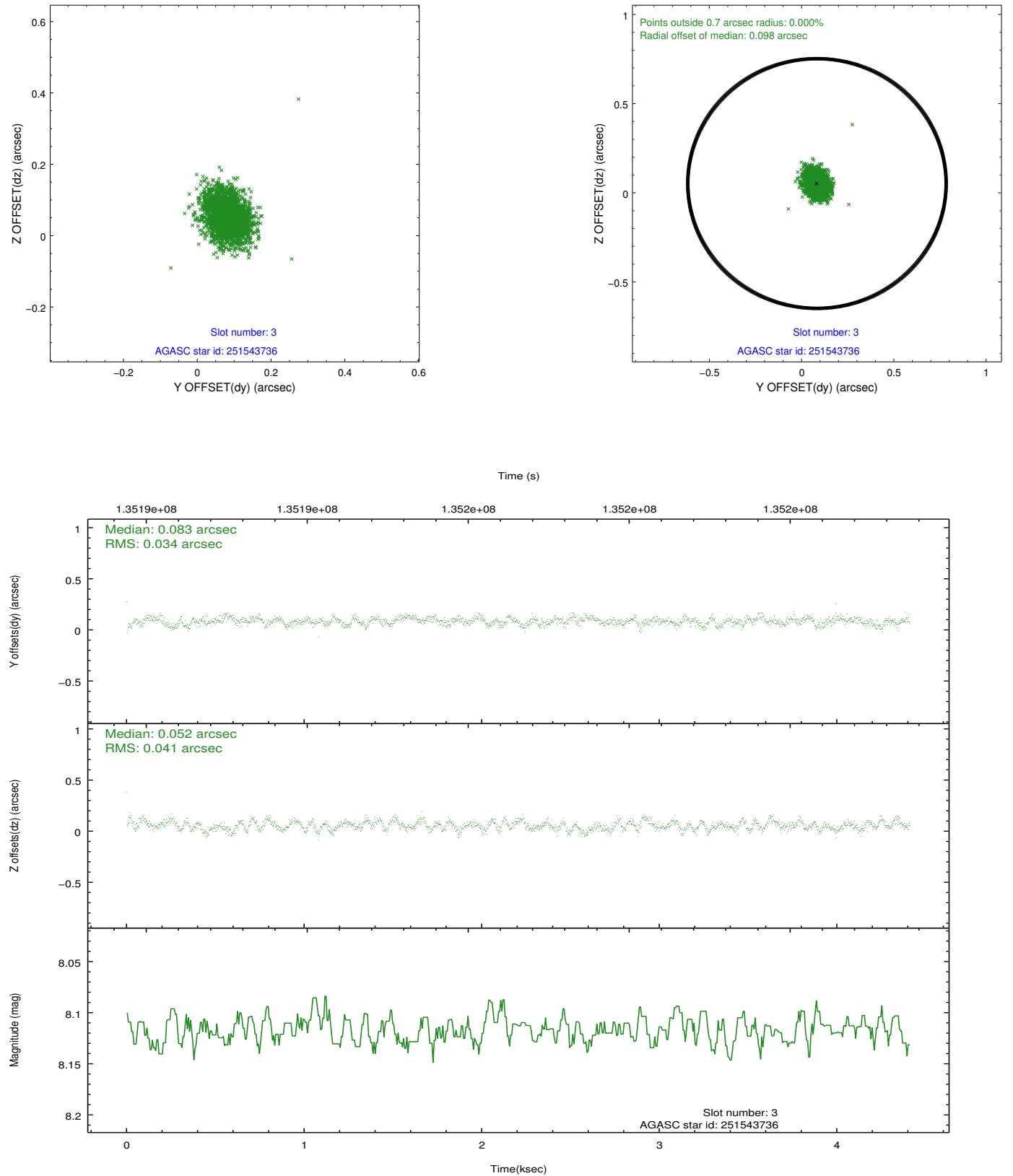


Slot Statistics

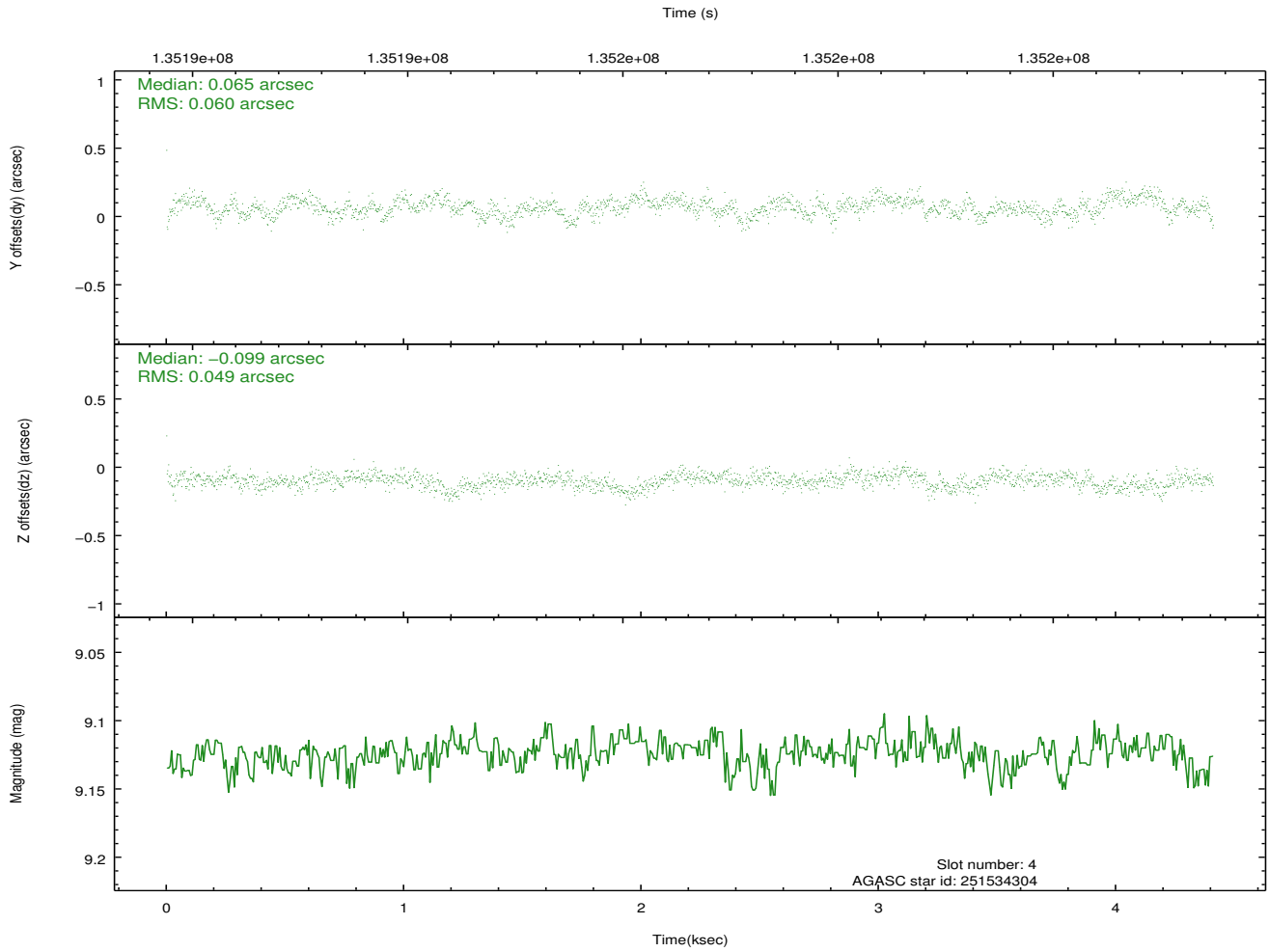
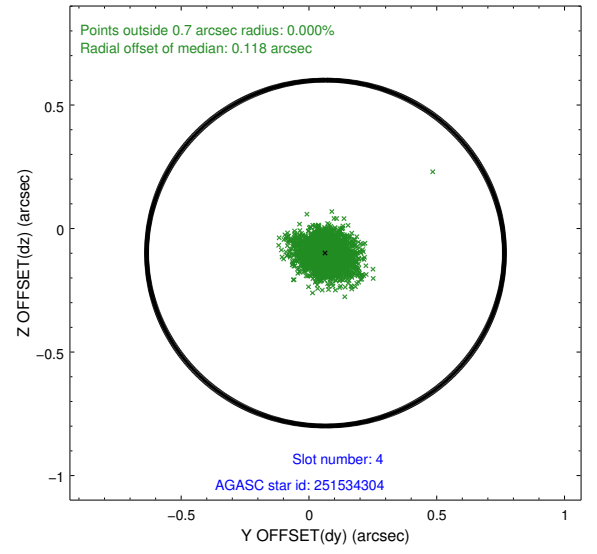
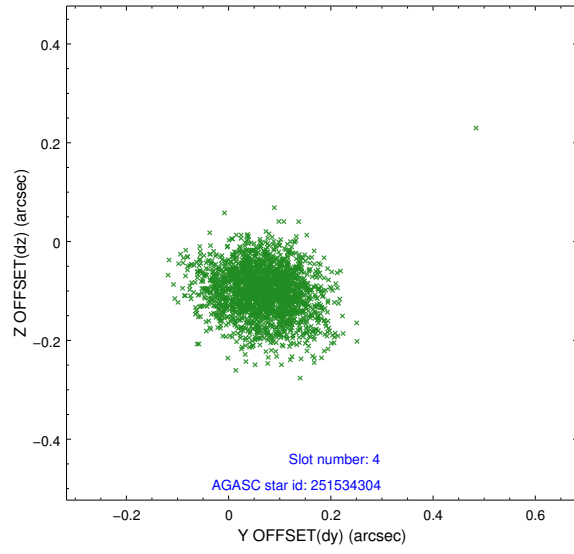
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1076	-0.025	0.013	0.007	0.011	0.000000	0.000000	-755.56	-1727.69
1	FID	ACIS-S-4	7.20	1076	-0.023	0.009	0.006	0.010	0.000000	0.000000	2157.06	179.39
2	FID	ACIS-S-5	7.24	1076	0.016	-0.012	0.007	0.011	0.000000	0.000000	-1806.58	174.57
3	GUIDE	251543736	8.12	2152	0.083	0.052	0.056	0.090	115.042028	27.315303	1698.53	1809.59
4	GUIDE	251534304	9.12	2148	0.065	-0.099	0.082	0.134	113.965251	27.514439	1541.95	-1701.25
5	GUIDE	252062672	9.19	2138	-0.171	0.076	0.084	0.134	114.613031	28.317174	-1637.85	-125.28
6	GUIDE	252194784	9.57	2150	-0.180	0.050	0.110	0.177	115.249930	28.424447	-2350.06	1802.80
7	GUIDE	251537632	9.40	2148	0.199	-0.079	0.080	0.132	114.277254	27.559282	1224.54	-742.94

2.4 Star Slots

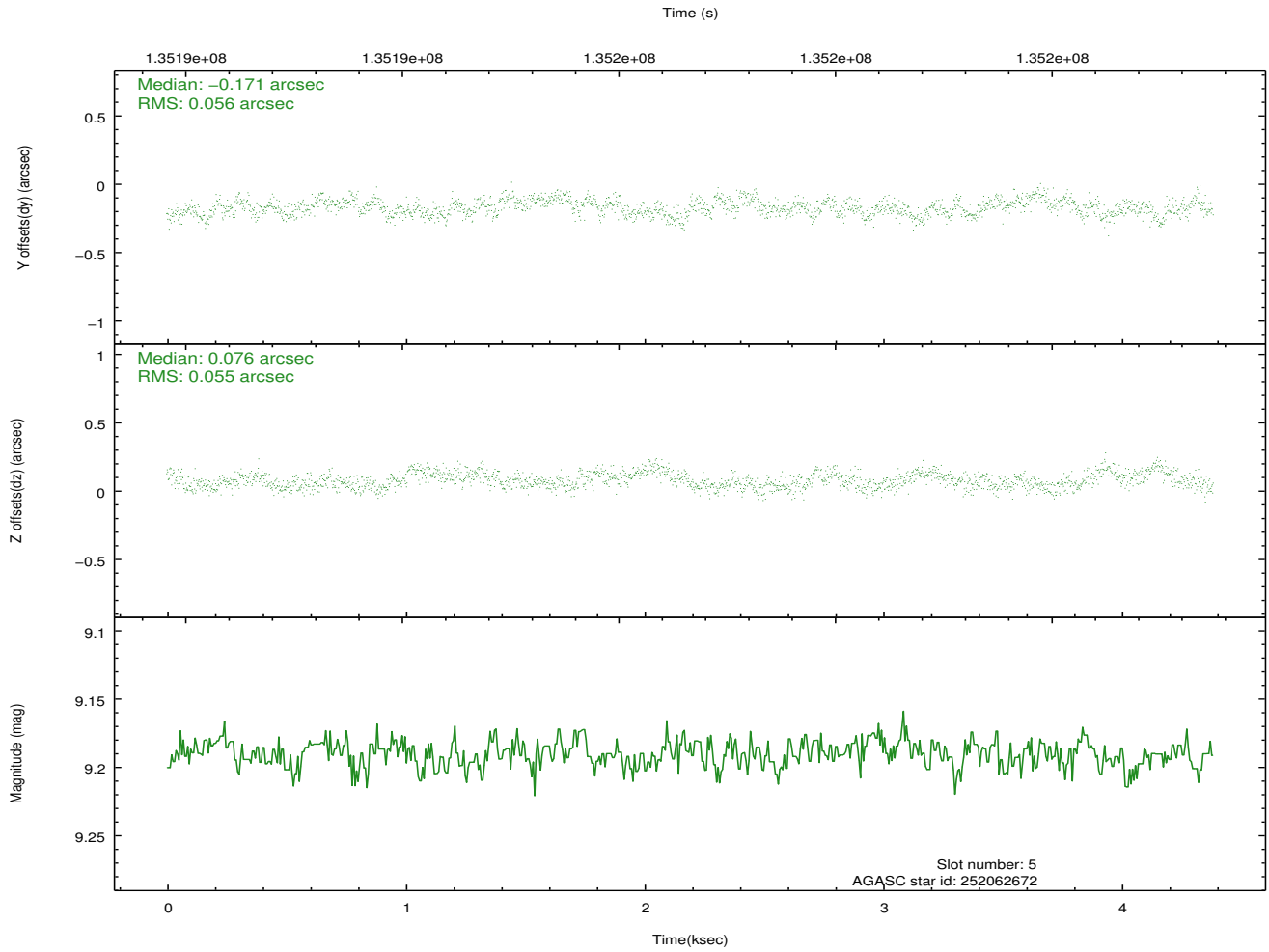
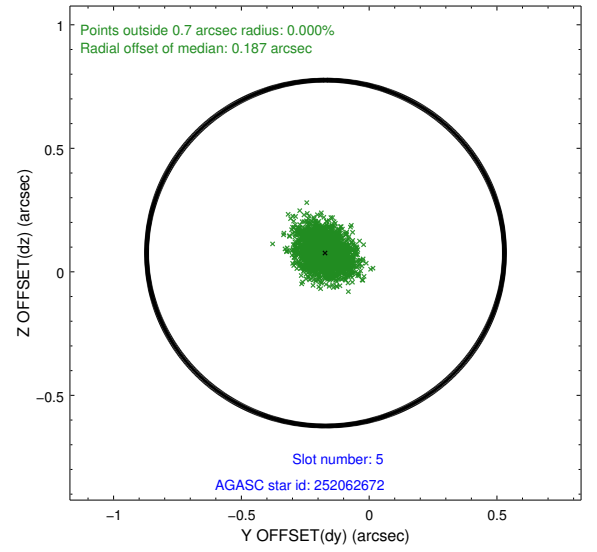
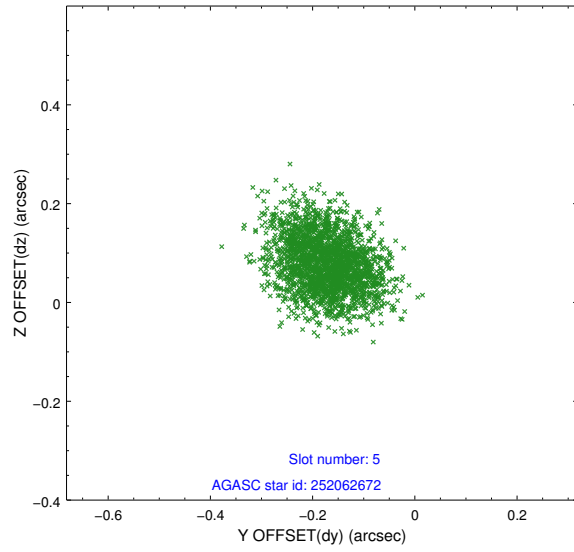
2.4.1 Slot 3



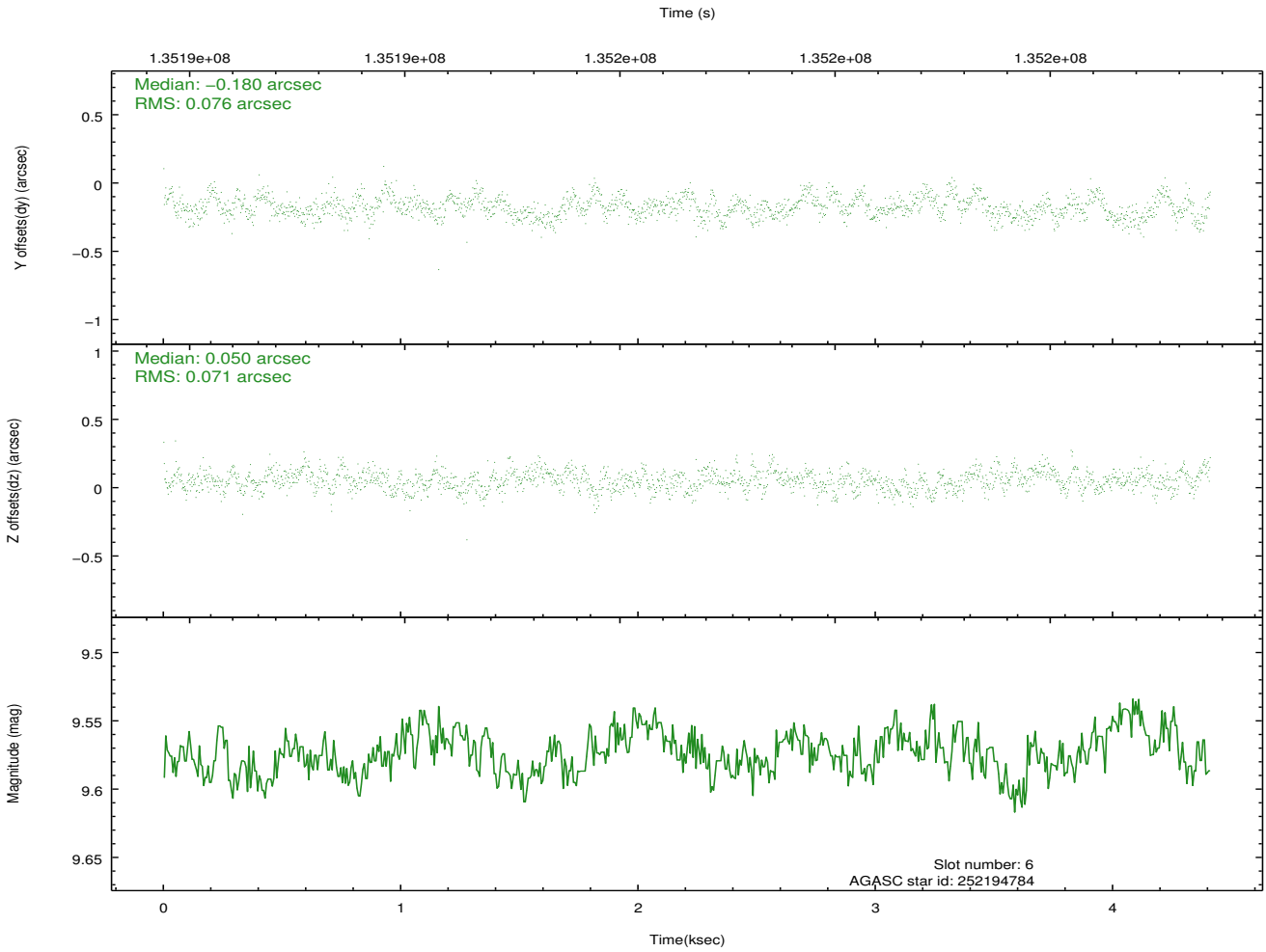
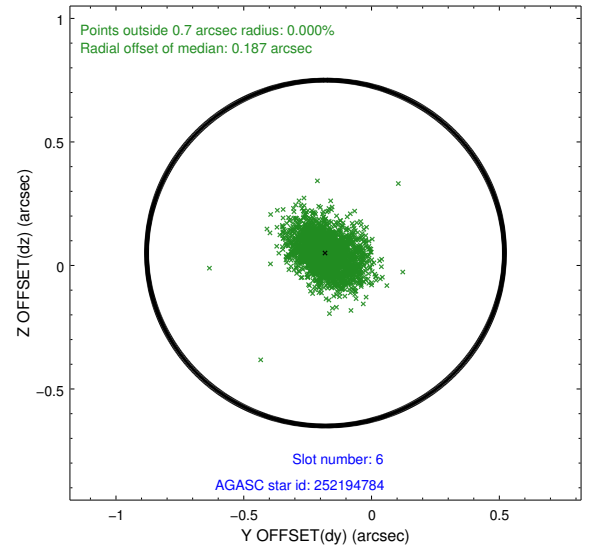
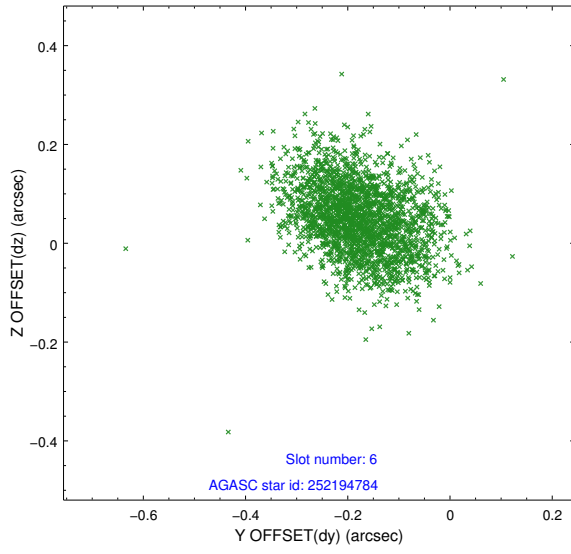
2.4.2 Slot 4



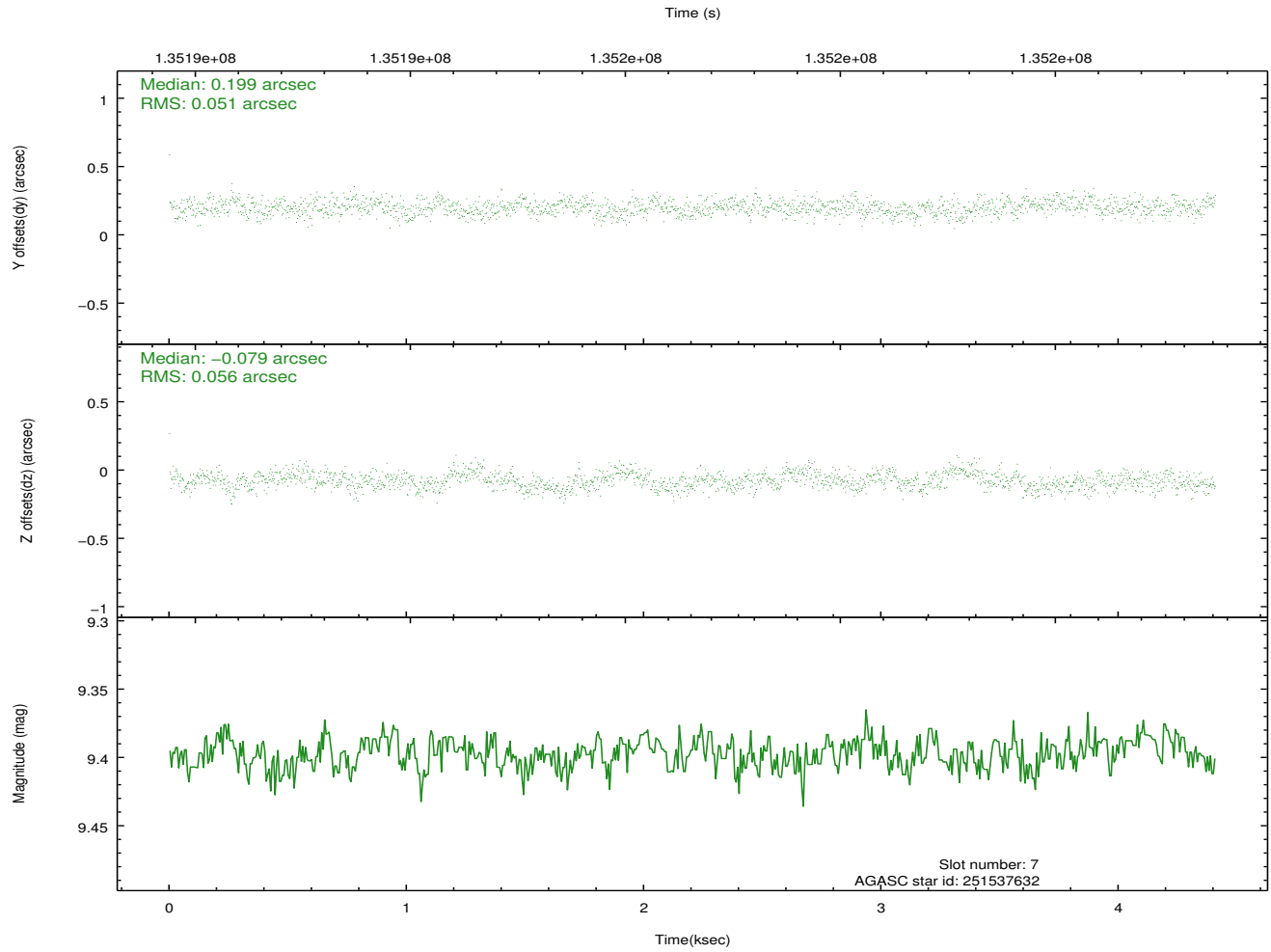
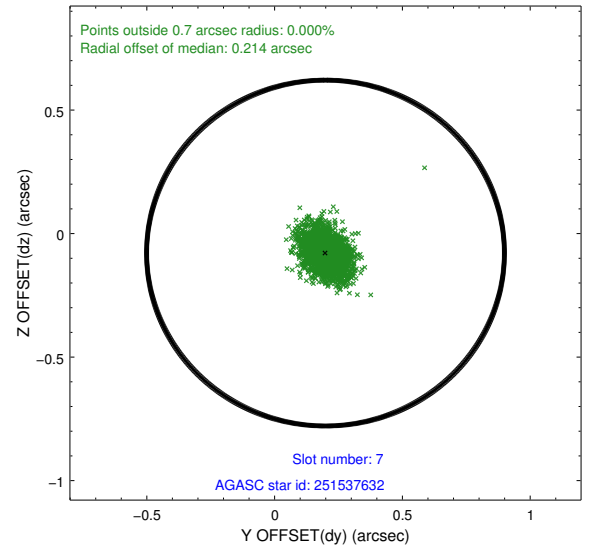
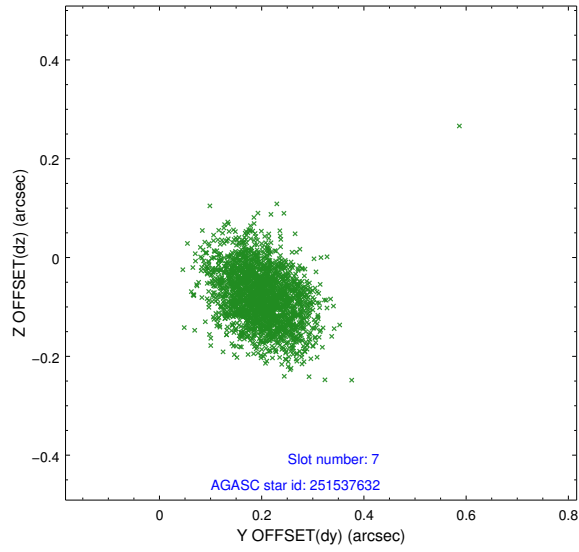
2.4.3 Slot 5



2.4.4 Slot 6

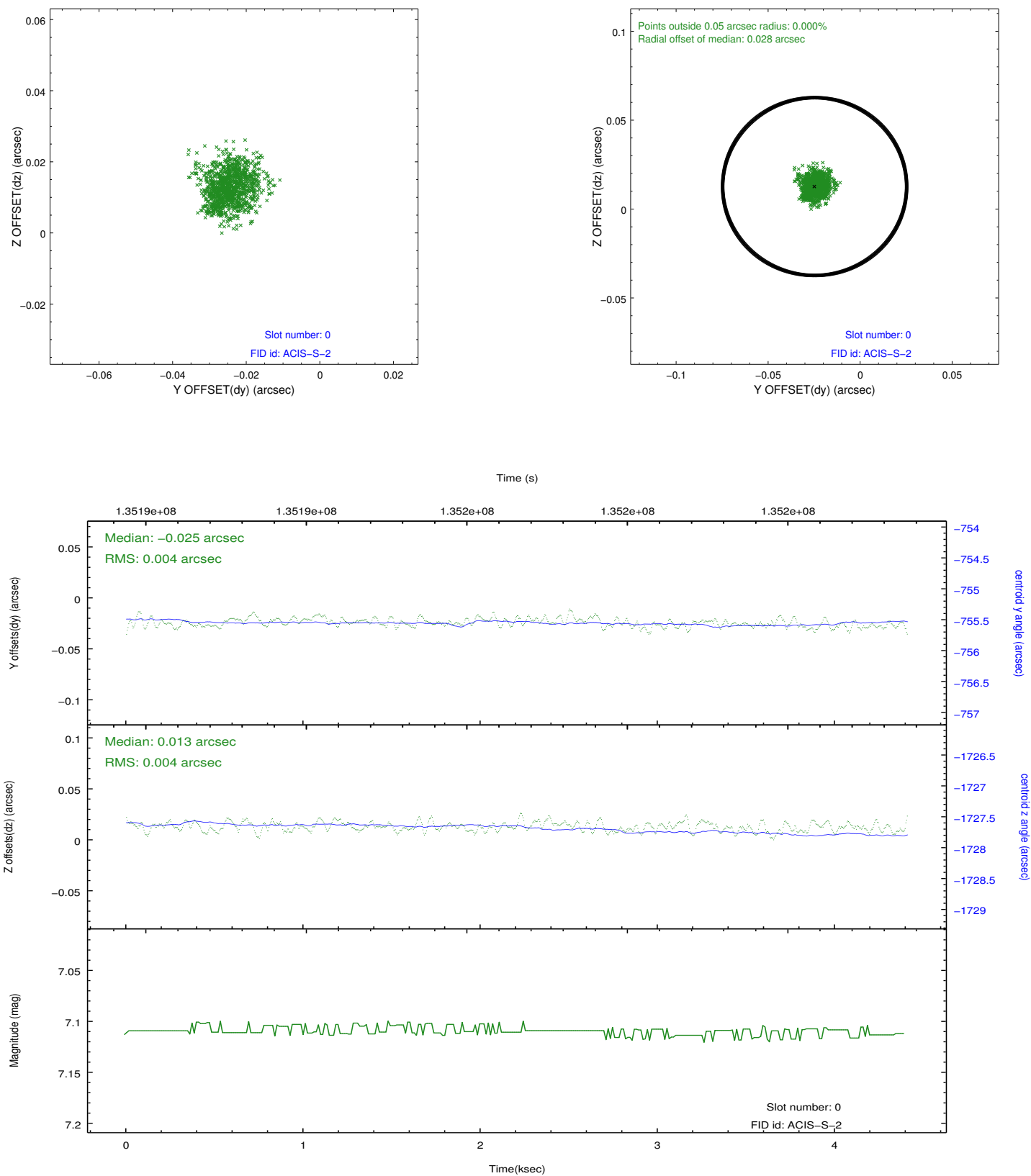


2.4.5 Slot 7

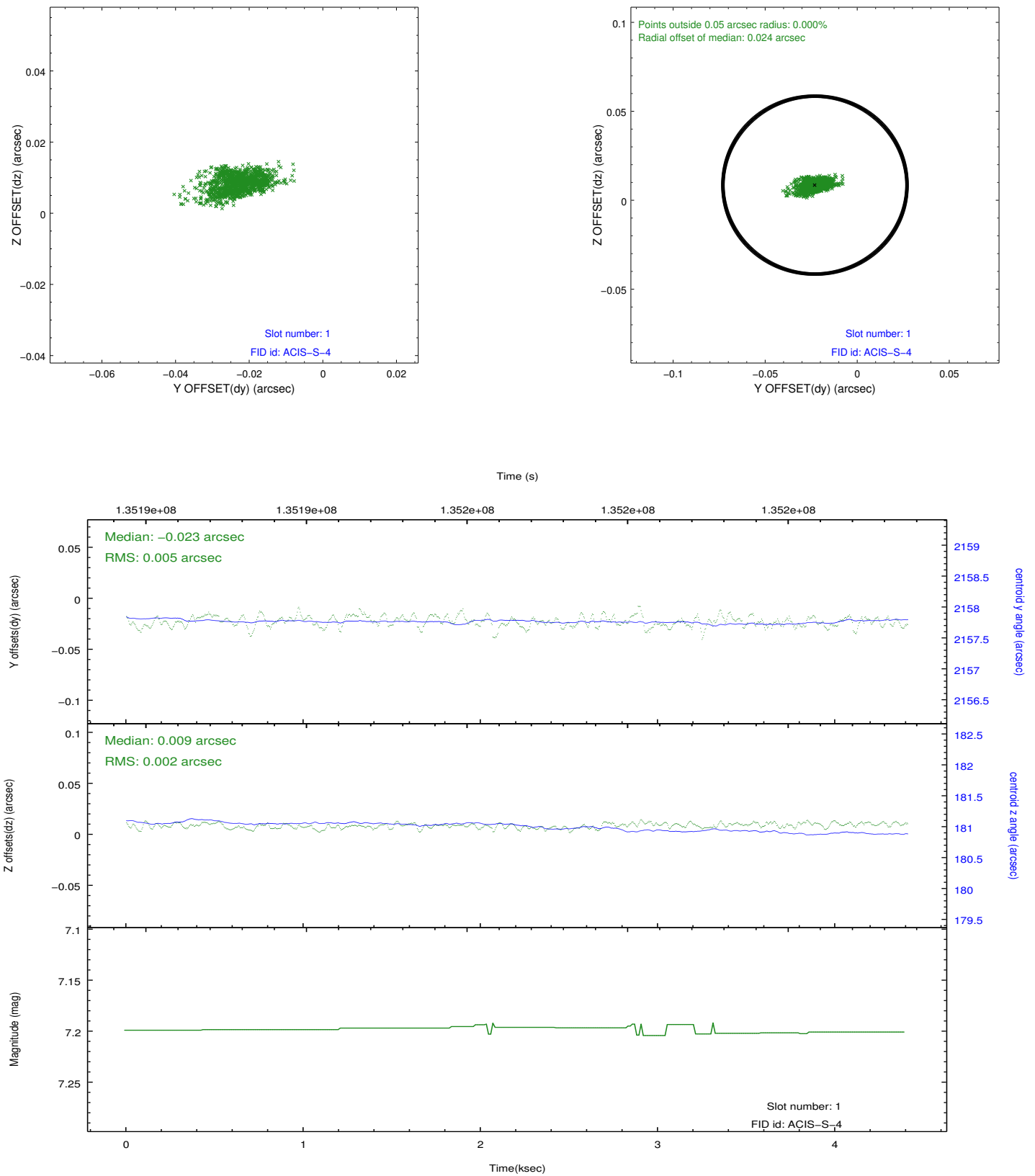


2.5 FID Slots

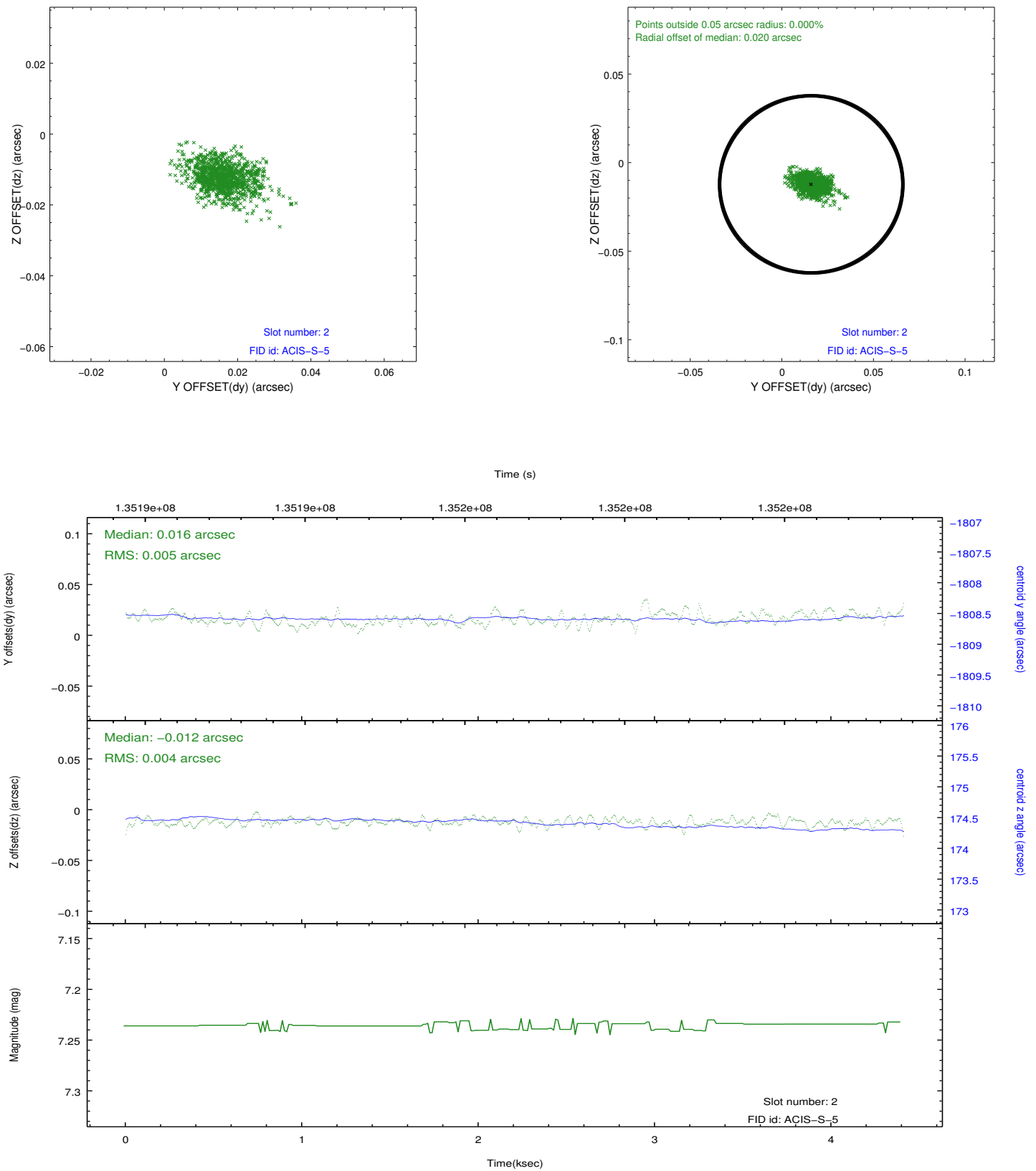
2.5.1 Slot 0



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)	2012.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.408

A.2 Comments