

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19737 - L2 Version 1
Chandra X-Ray Center

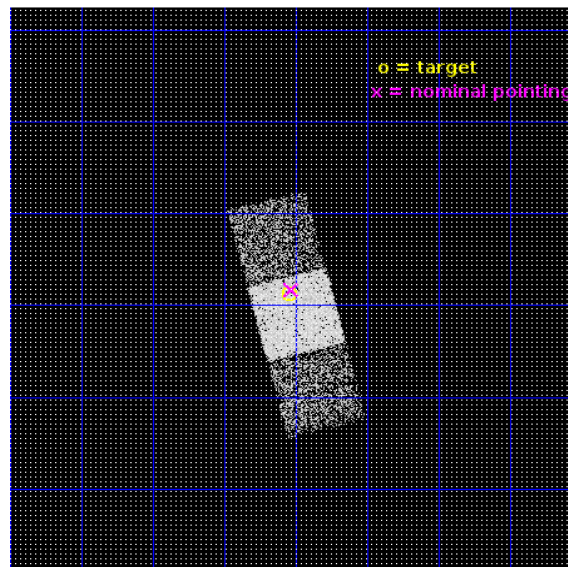
L2 Processing Date : Mar 9 2017

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1 Front

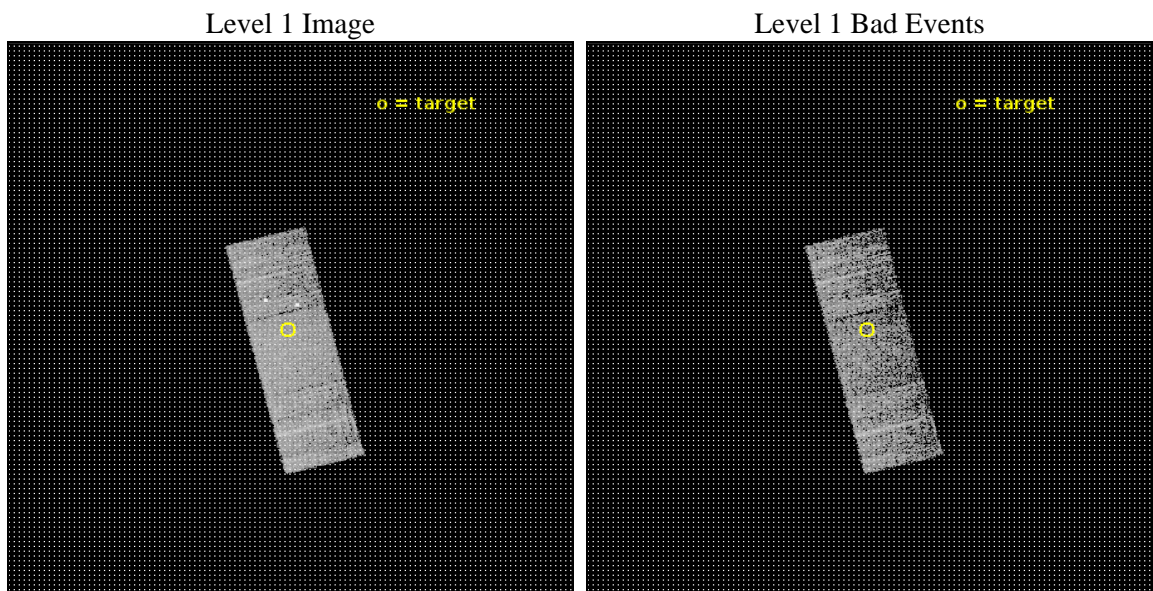
seq_num	703452	Sequence number
obs_id	19737	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W1322-0328	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.635833	Observer's specified target RA [deg]
dec_targ	-3.478389	Observer's specified target Dec [deg]
ra_nom	200.63234988447	Nominal RA [deg]
dec_nom	-3.4718376375745	Nominal Dec [deg]
roll_nom	75.84378685907	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3109.3000240326	Sum of GTIs [s]
livetime	3068.6747301852	Livetime [s]
ontime6	3109.3000240326	Sum of GTIs [s]
ontime7	3109.3000240326	Sum of GTIs [s]
ontime8	3109.3000240326	Sum of GTIs [s]
l2events	16142	Number of level 2 events



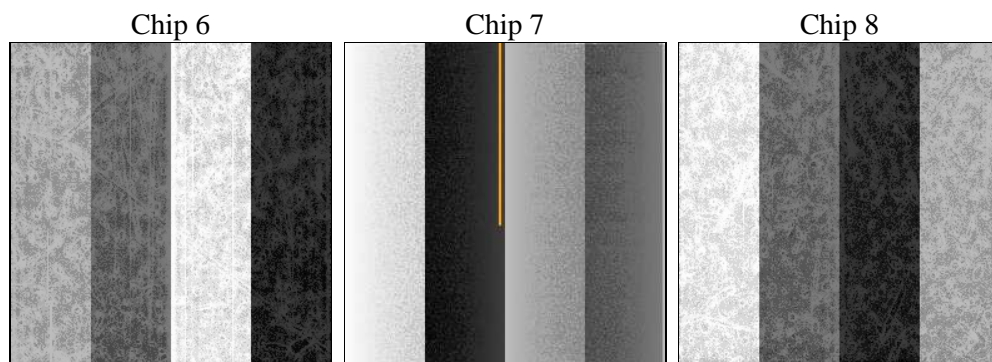
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	3109.3000240326	Sum of GTIs [s]
caldsver	4.7.3	 	ontime6	3109.3000240326	Sum of GTIs [s]
date	2017-03-09T20:48:11	Date and time of file creation	ontime7	3109.3000240326	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3109.3000240326	Sum of GTIs [s]
			l1events	81927	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	24652	28149	29126
rejected events	20233	16177	21833
rejected %	82%	57%	74%

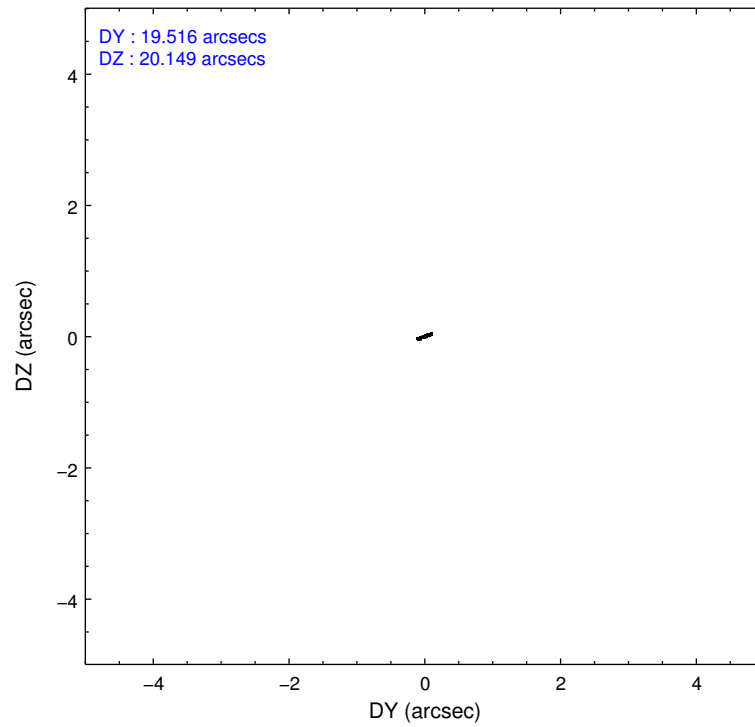
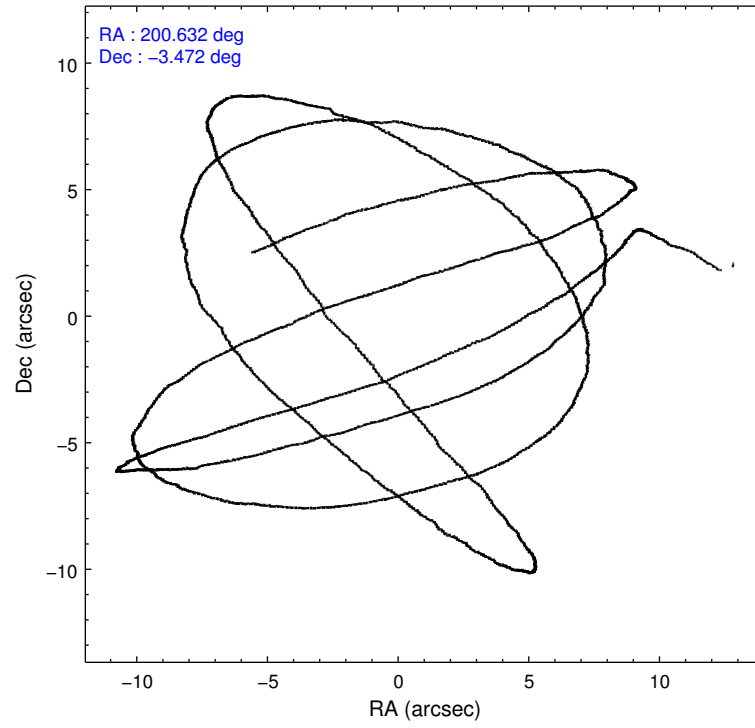
	ccd 6	ccd 7	ccd 8
grade 0 events	1689	965	2125
	6%	3%	7%
grade 1 events	17	34	25
	0%	0%	0%
grade 2 events	1605	2480	1827
	6%	8%	6%
grade 3 events	244	864	776
	0%	3%	2%
grade 4 events	258	896	718
	1%	3%	2%
grade 5 events	966	2703	1509
	3%	9%	5%
grade 6 events	633	6787	1871
	2%	24%	6%
grade 7 events	19240	13420	20275
	78%	47%	69%

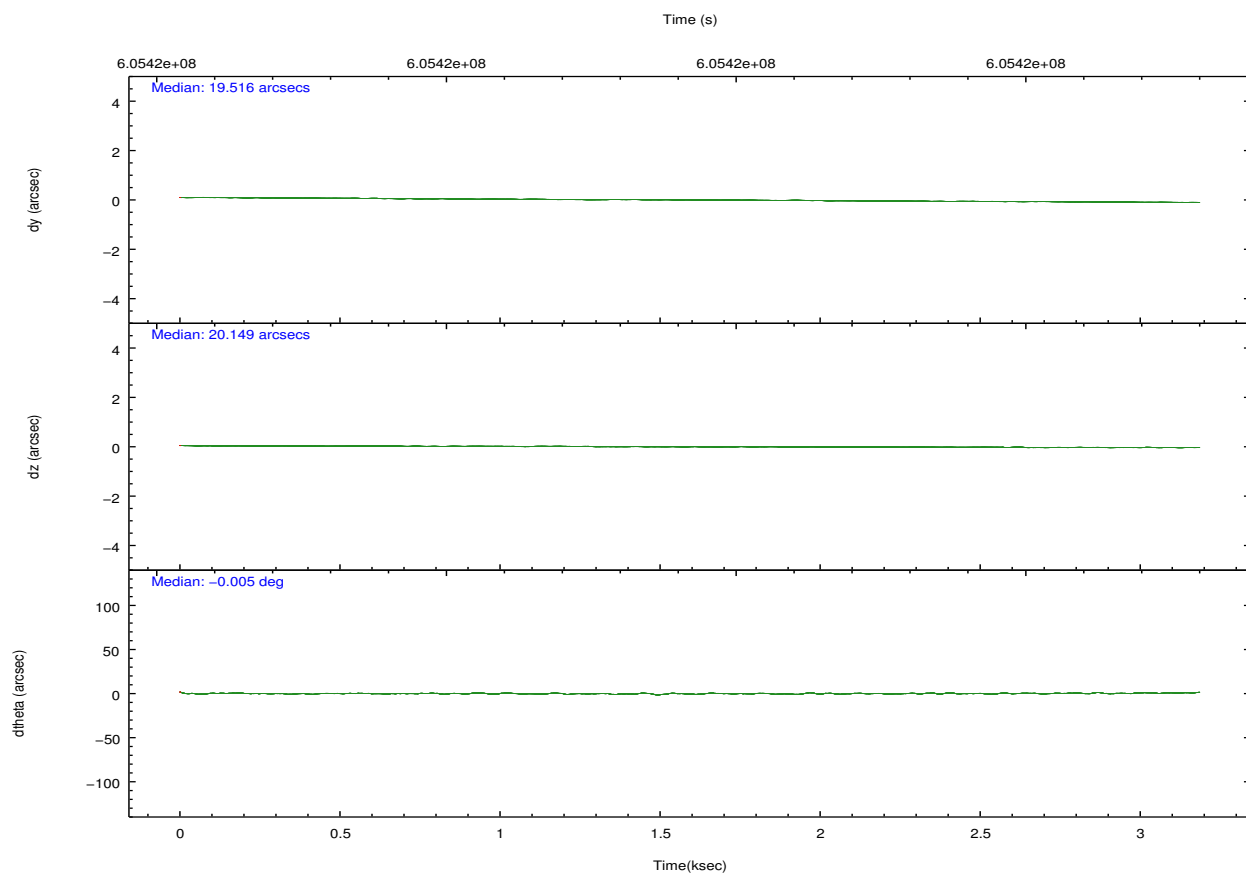
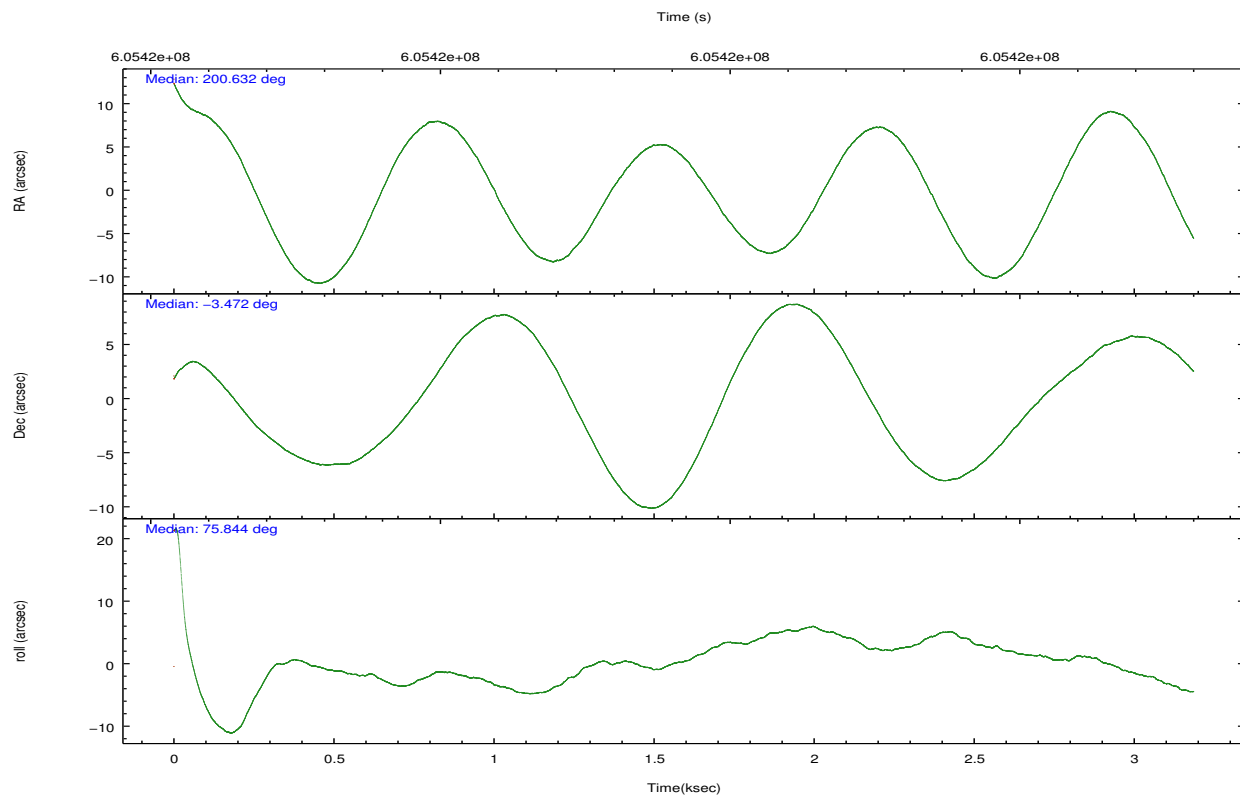
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	200.640107	200.6323498844671
[deg] Pointing Dec	-3.498196	-3.471837637574524
[deg] Pointing Roll	75.687469	75.84378685907018
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	605422434.184000	605421192.6996599
Observation start date	2017-03-09T04:52:45	2017-03-09T04:33:12
[s] Observation end time (MET)	605425434.184000	605426184.44995
Observation end date	2017-03-09T05:42:45	2017-03-09T05:56:24
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	3.1

2.3 Aspect



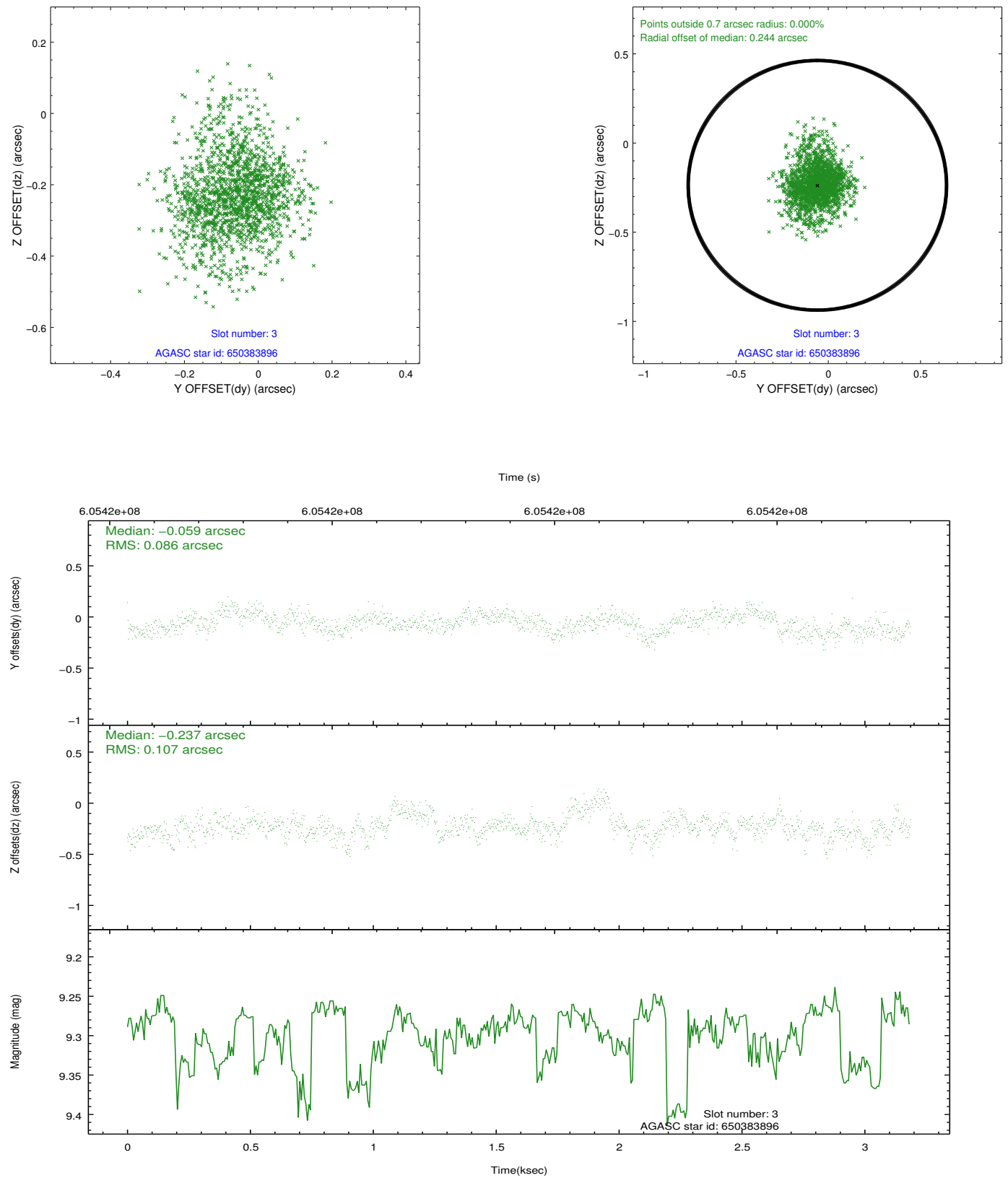


Slot Statistics

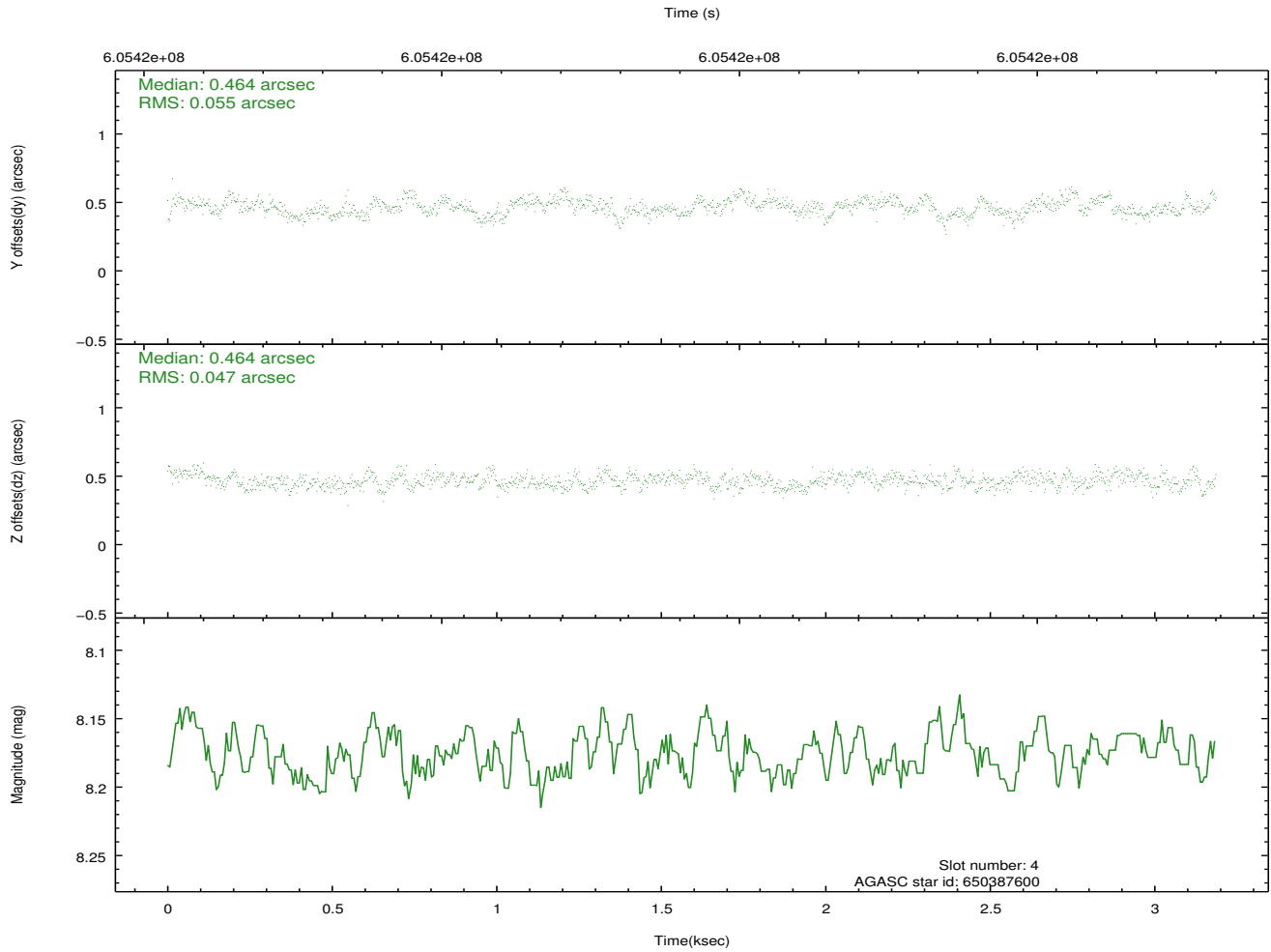
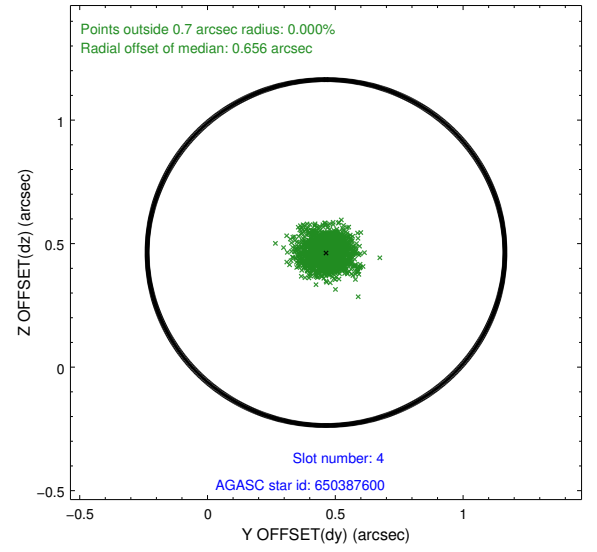
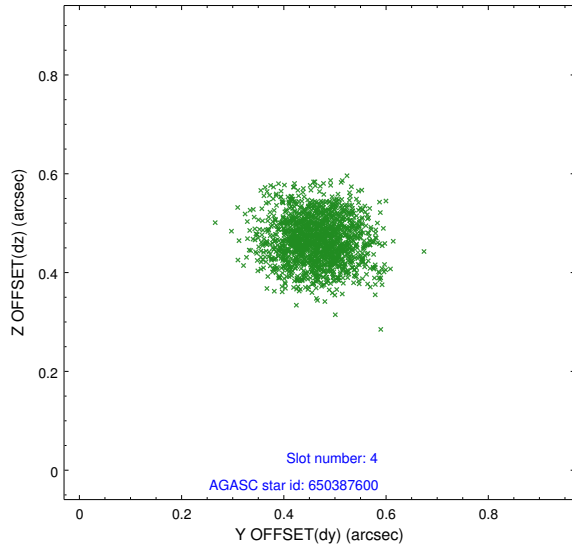
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	778	-0.290	-0.168	0.008	0.016	0.000000	0.000000	-772.86	-1741.80
1	FID		ACIS-S-4	7.27	778	0.624	0.185	0.006	0.010	0.000000	0.000000	2140.37	165.01
2	FID		ACIS-S-5	7.26	778	-0.365	-0.008	0.008	0.017	0.000000	0.000000	-1823.26	160.69
3	GUIDE	used	650383896	9.30	1555	-0.059	-0.237	0.142	0.242	200.176271	-3.534501	-540.03	1582.79
4	GUIDE	used	650387600	8.18	1554	0.464	0.464	0.077	0.123	200.864050	-3.992994	-1527.39	-1217.38
5	GUIDE	used	650388208	7.03	1555	-0.077	0.289	0.079	0.121	200.623050	-3.775836	-984.64	-187.44
6	GUIDE	used	650385904	8.84	1554	0.233	0.099	0.105	0.174	200.374004	-4.102839	-2346.55	388.76
7	GUIDE	used	650381288	9.61	1551	-0.552	-0.615	0.171	0.267	200.079956	-2.989712	1272.97	2403.55

2.4 Star Slots

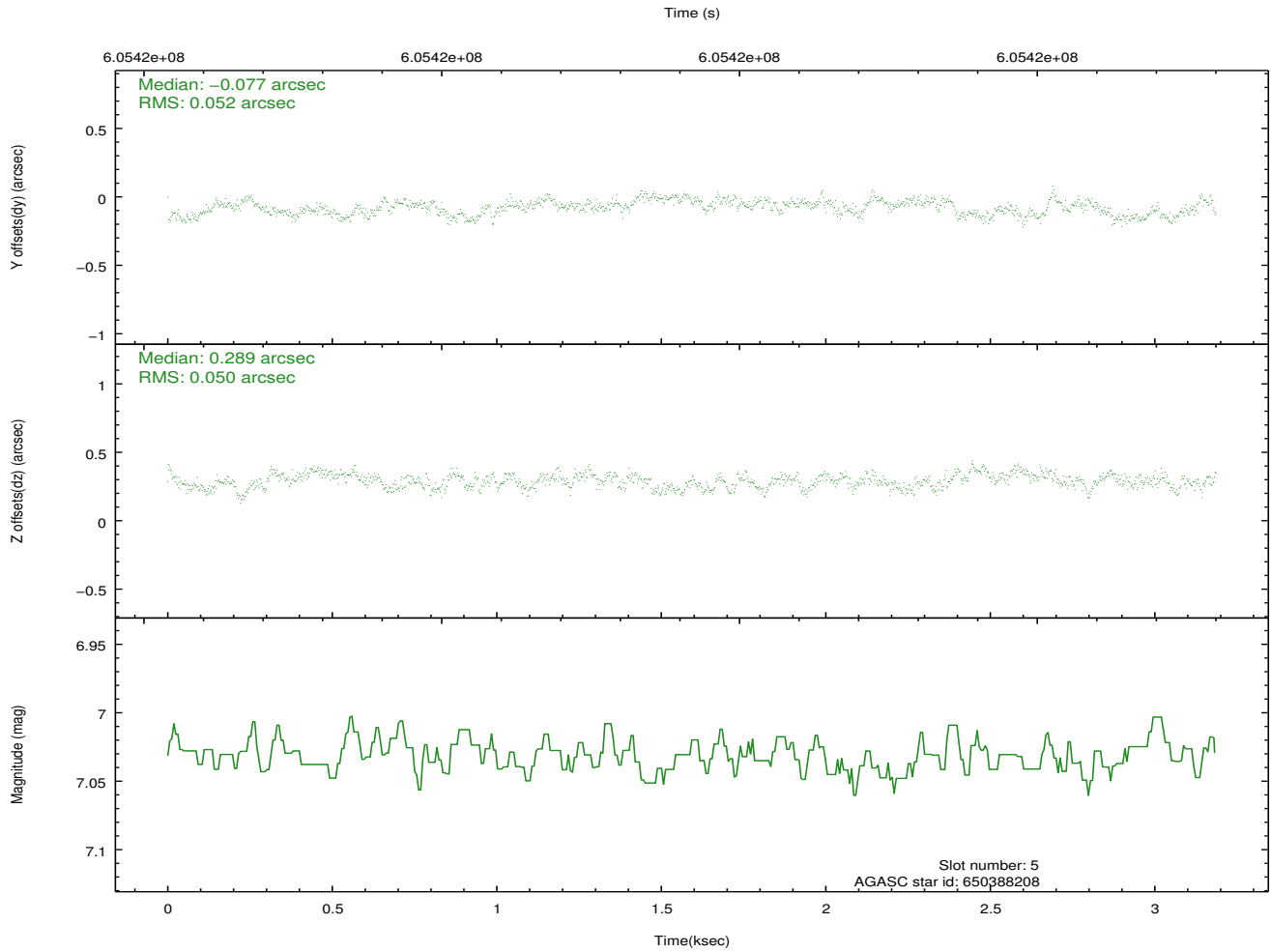
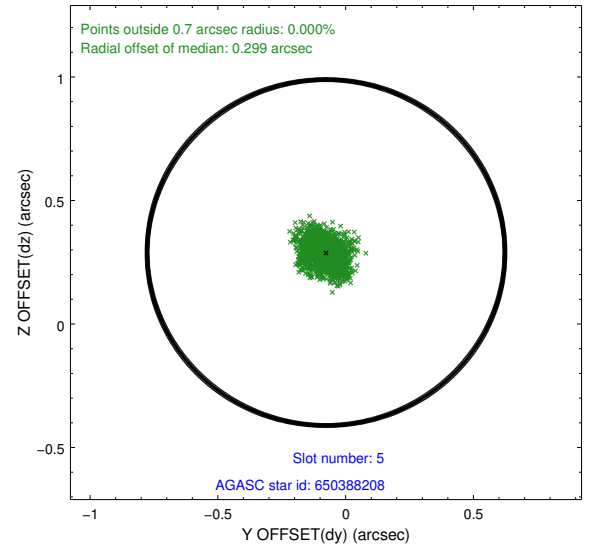
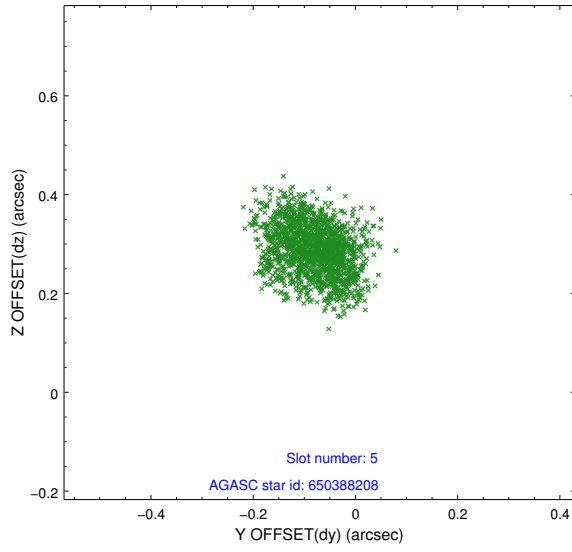
2.4.1 Slot 3



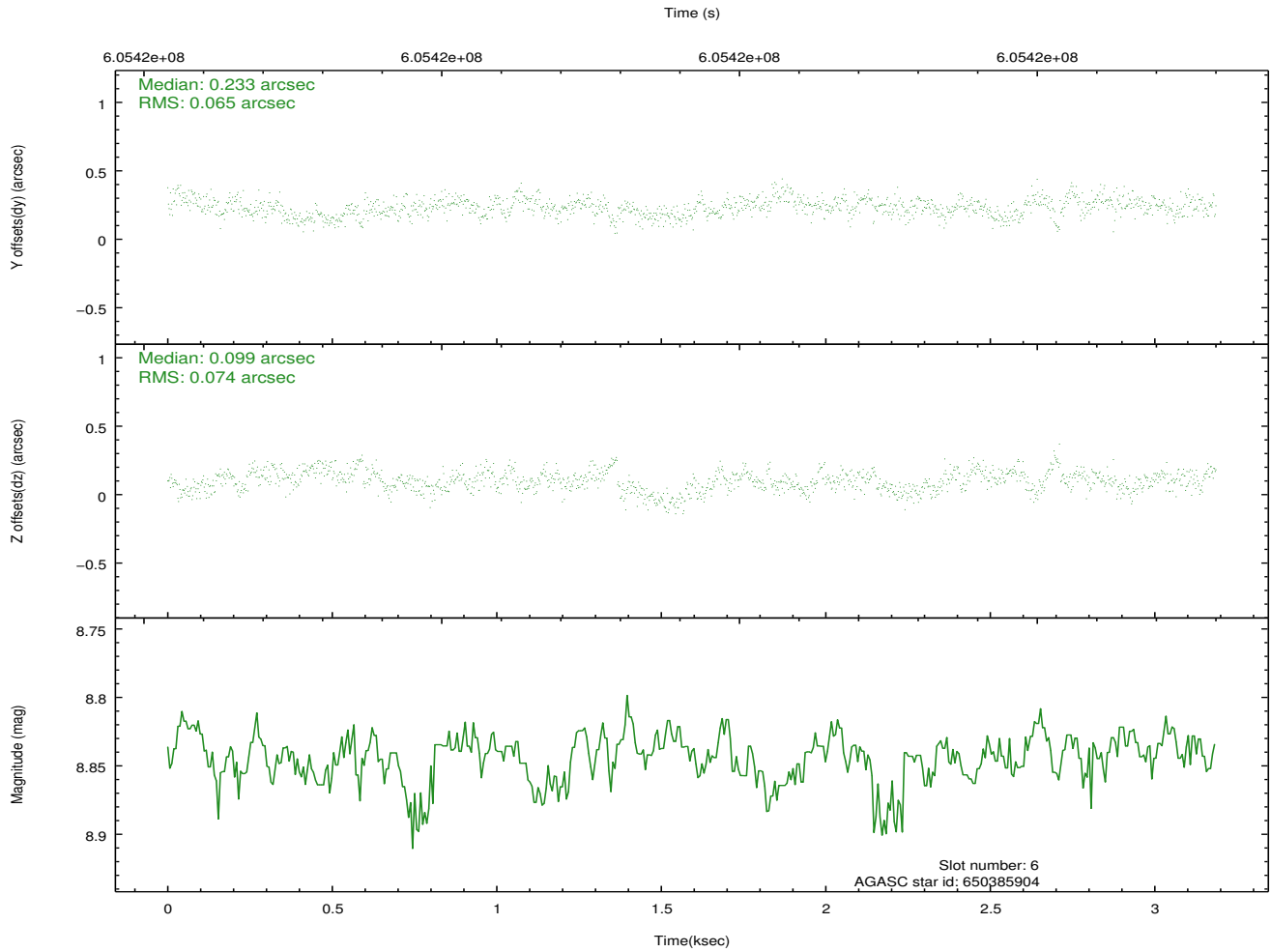
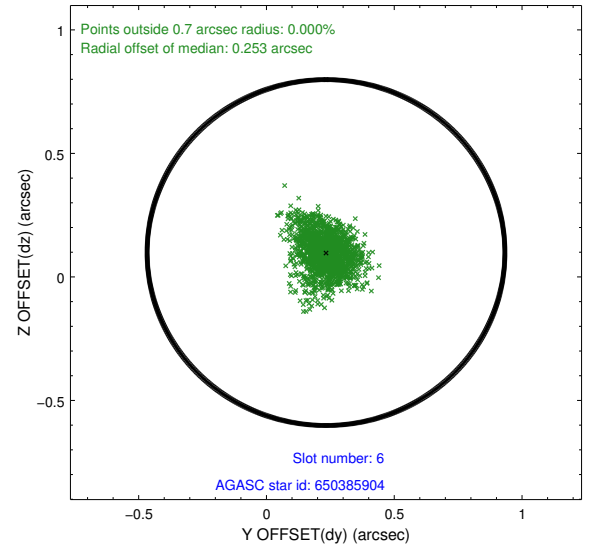
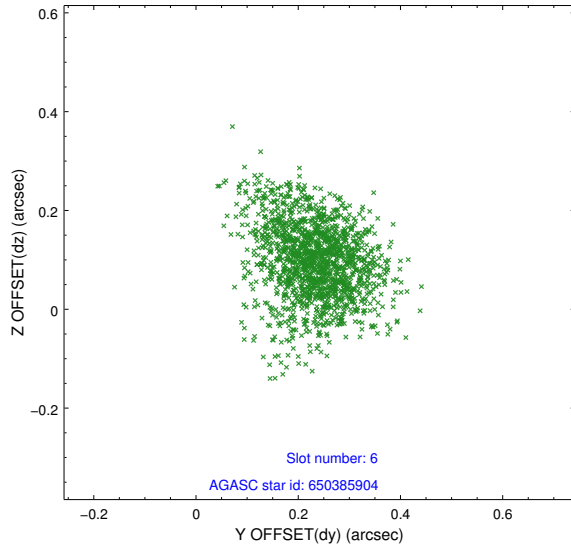
2.4.2 Slot 4



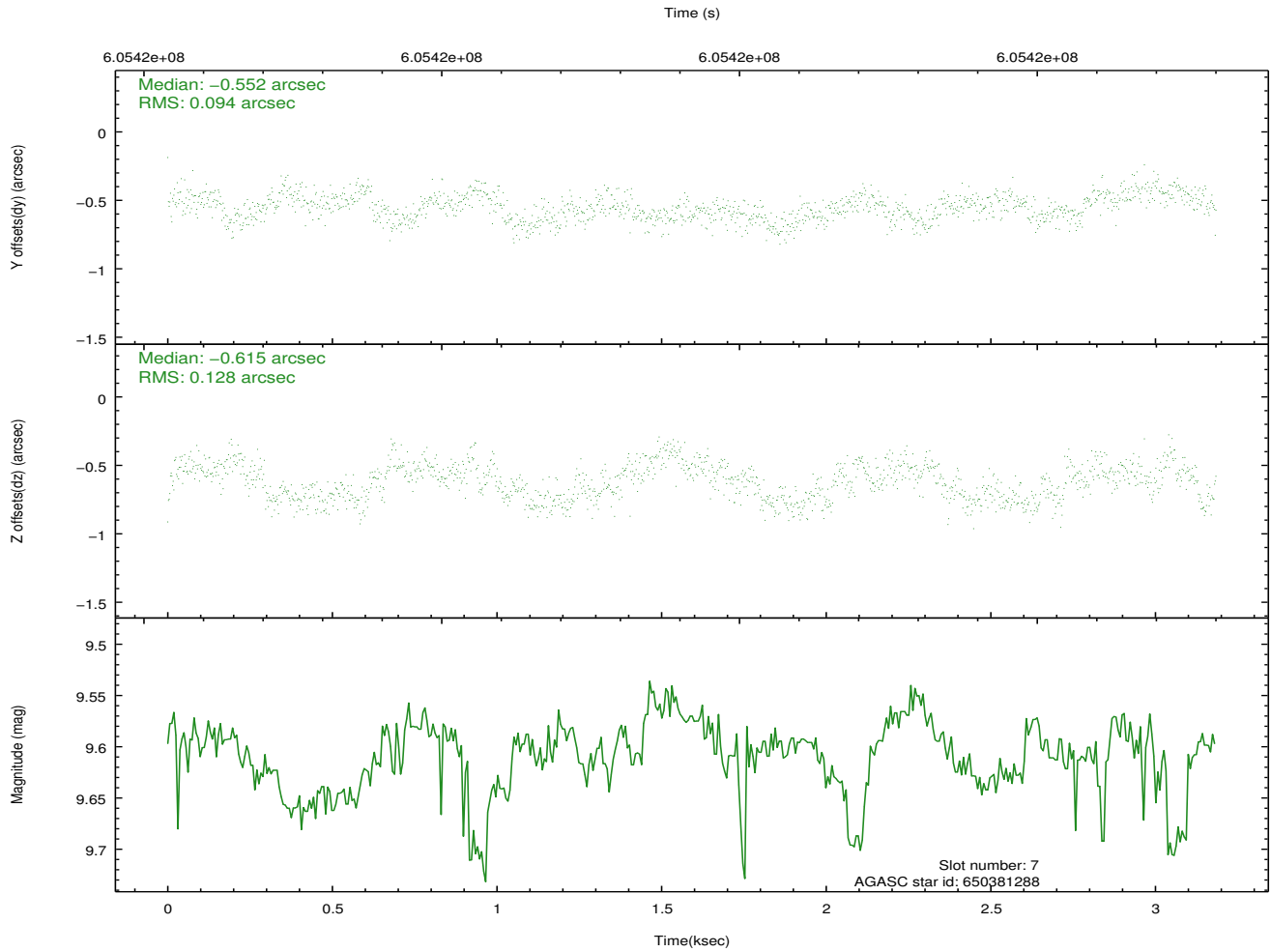
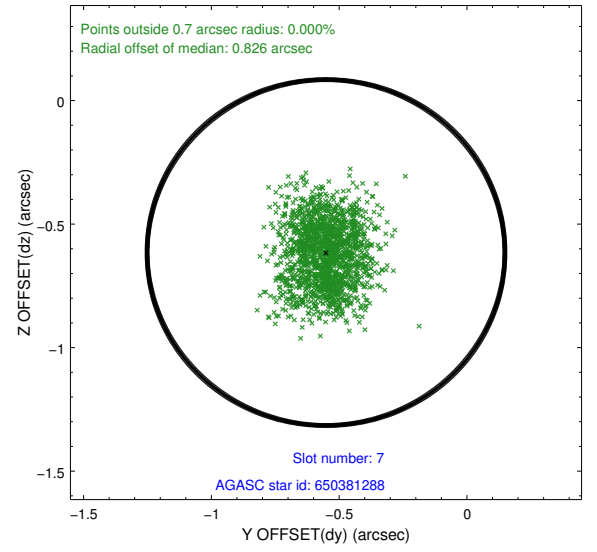
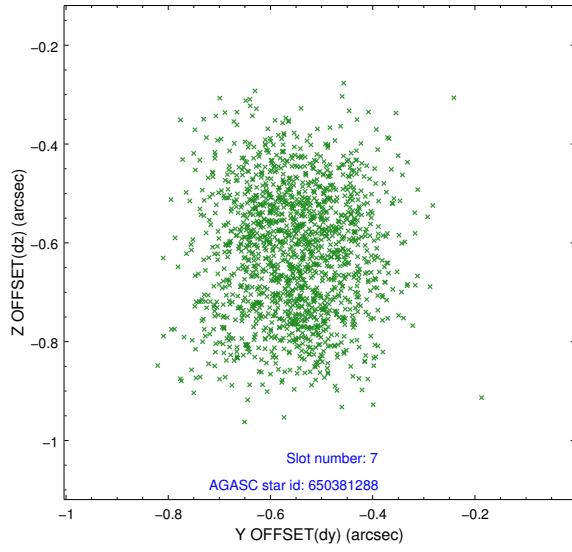
2.4.3 Slot 5



2.4.4 Slot 6

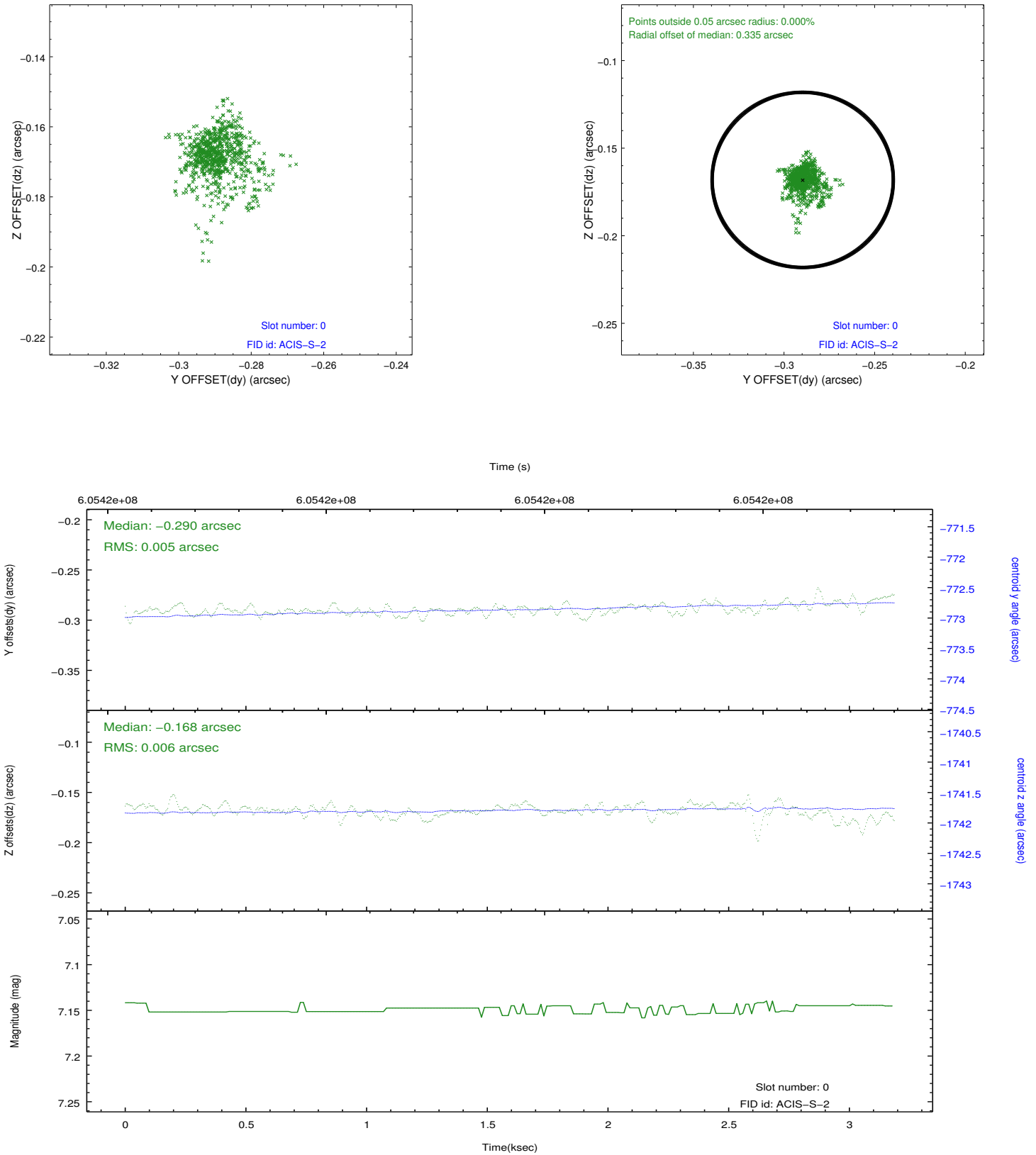


2.4.5 Slot 7

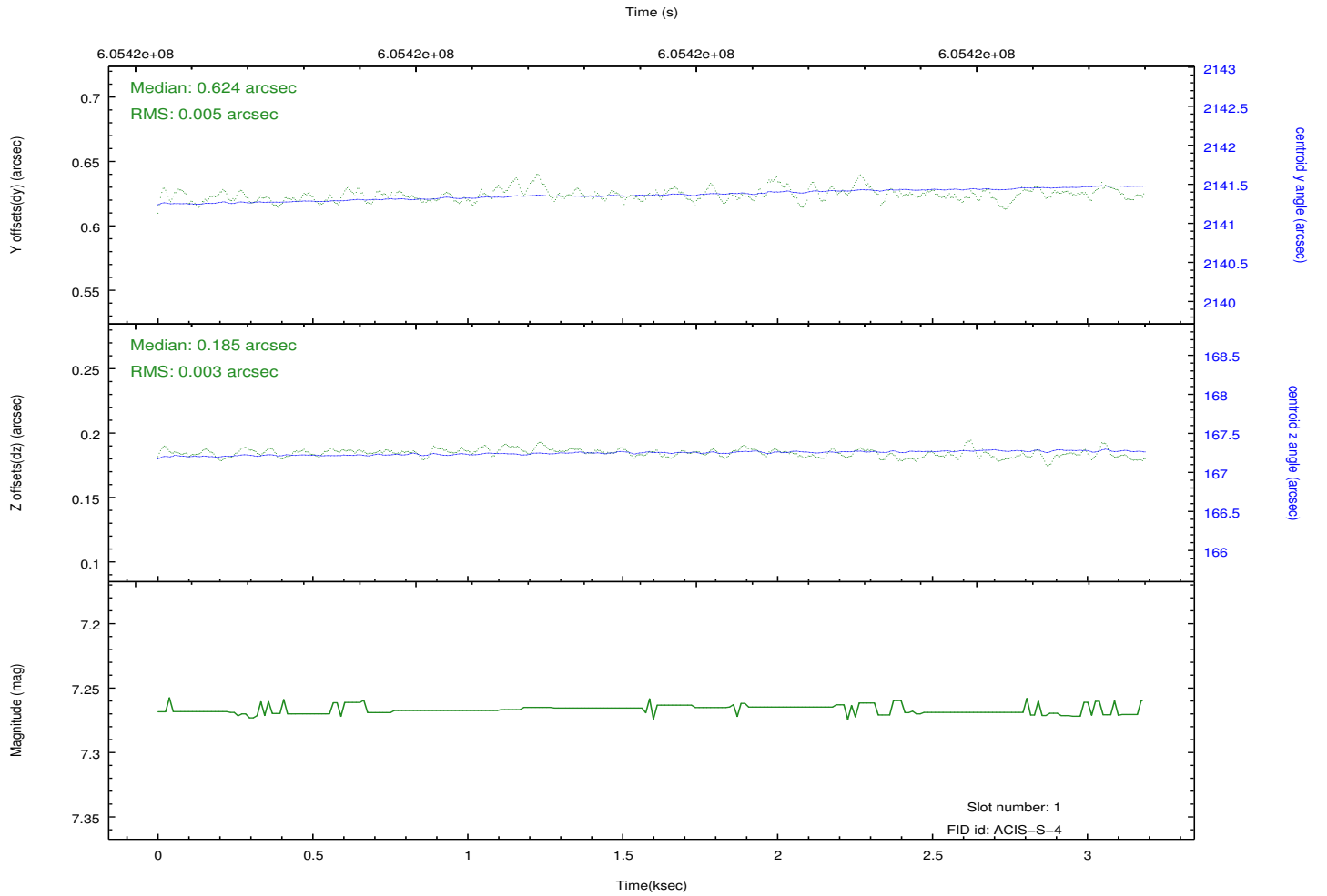
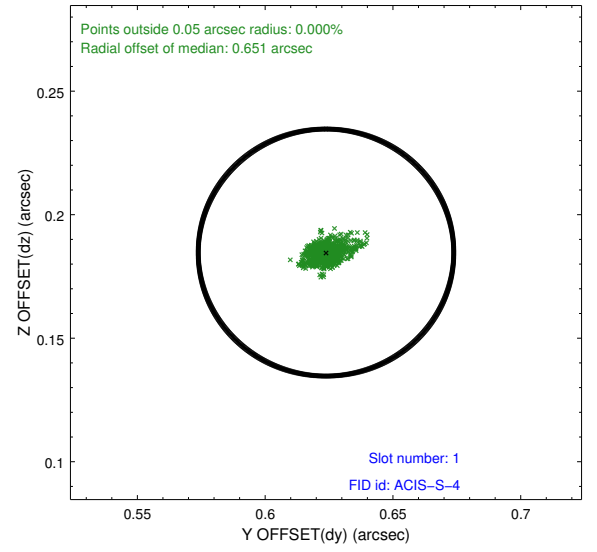
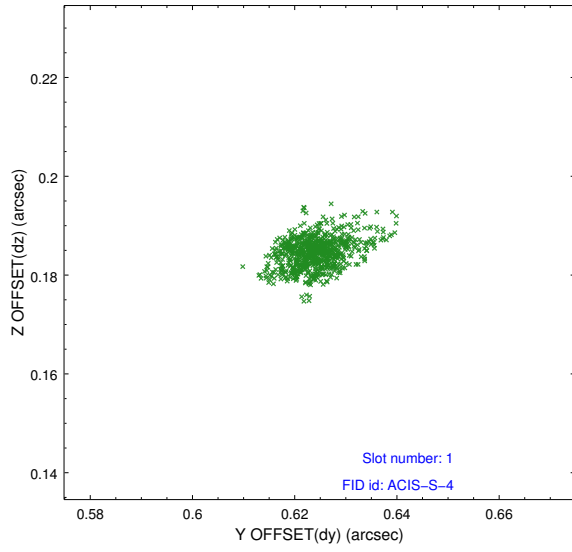


2.5 FID Slots

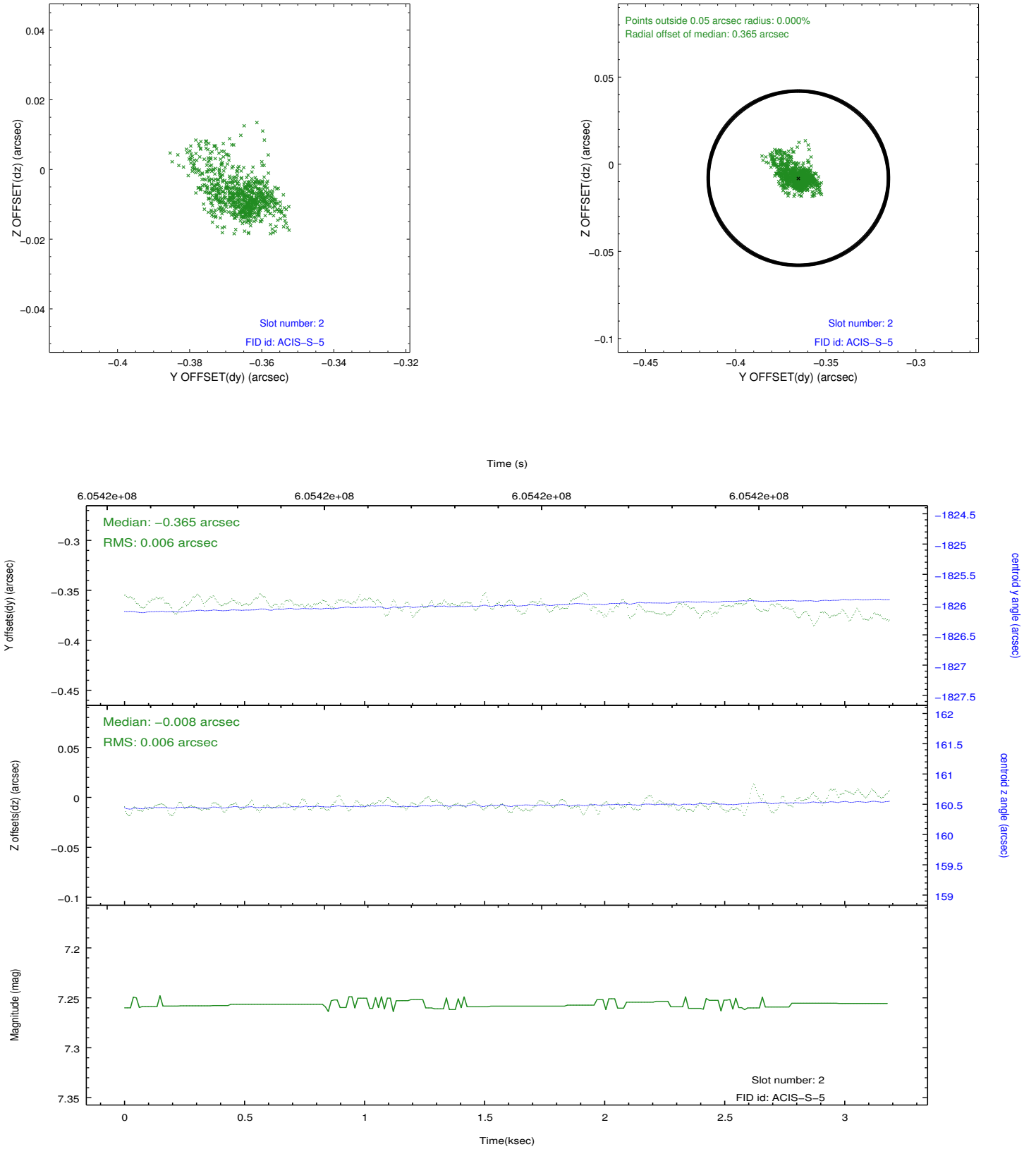
2.5.1 Slot 0



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)	2017.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1093000240326

A.2 Comments