

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19732 - L2 Version 1
Chandra X-Ray Center

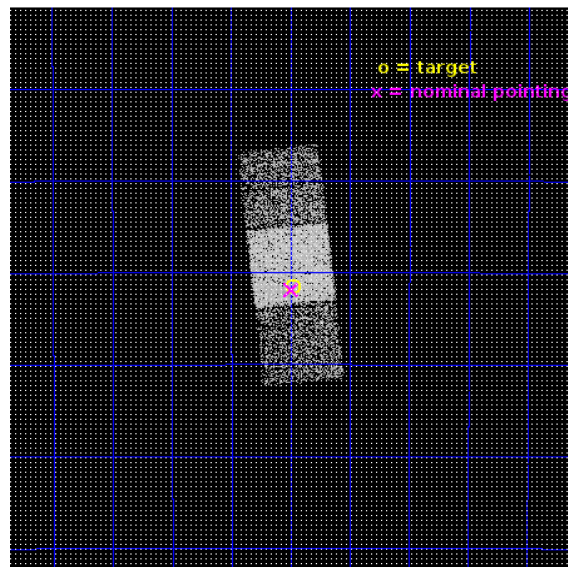
L2 Processing Date : Mar 24 2017

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1 Front

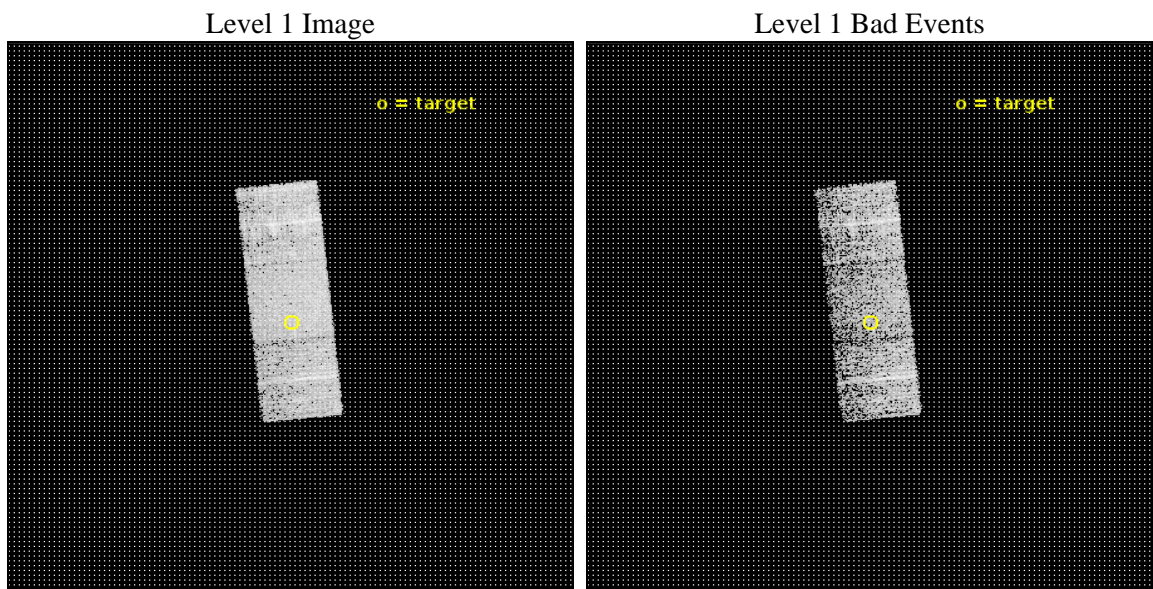
seq_num	703447	Sequence number
obs_id	19732	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0533-3401	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.493333	Observer's specified target RA [deg]
dec_targ	-34.02625	Observer's specified target Dec [deg]
ra_nom	83.498142439552	Nominal RA [deg]
dec_nom	-34.031185894559	Nominal Dec [deg]
roll_nom	263.79628407148	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3112.4000240564	Sum of GTIs [s]
livetime	3071.7342264266	Livetime [s]
ontime6	3112.4000240564	Sum of GTIs [s]
ontime7	3112.4000240564	Sum of GTIs [s]
ontime8	3112.4000240564	Sum of GTIs [s]
l2events	17127	Number of level 2 events



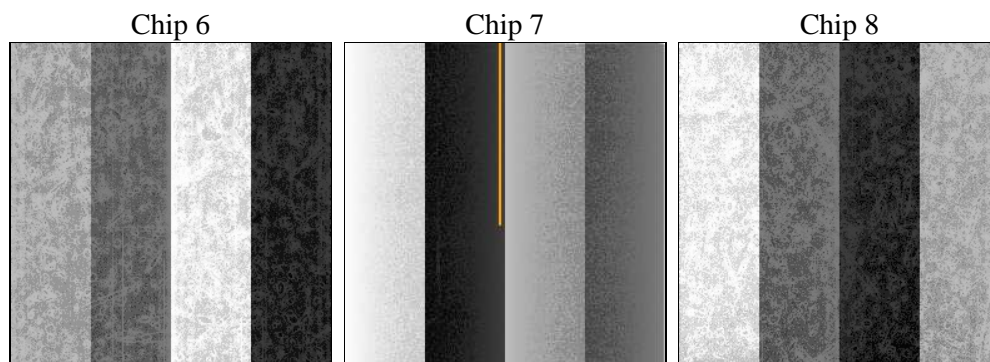
2 OBI

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	3112.4000240564	Sum of GTIs [s]
caldsver	4.7.3	 	ontime6	3112.4000240564	Sum of GTIs [s]
date	2017-03-24T14:23:14	Date and time of file creation	ontime7	3112.4000240564	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3112.4000240564	Sum of GTIs [s]
			l1events	80396	Number of level 1 events

2.1.4 Events

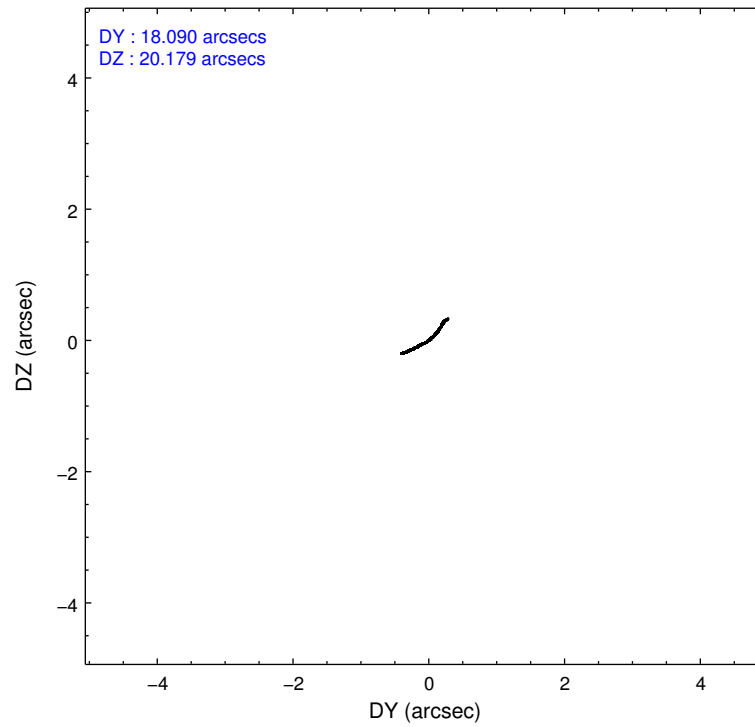
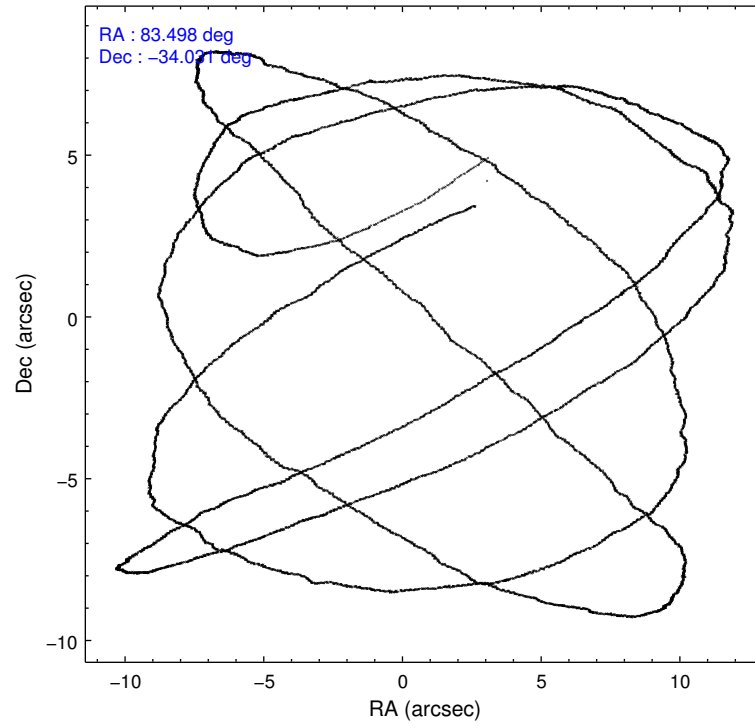
	ccd 6	ccd 7	ccd 8
level 1 events	22579	27860	29957
rejected events	19954	15476	21392
rejected %	88%	55%	71%

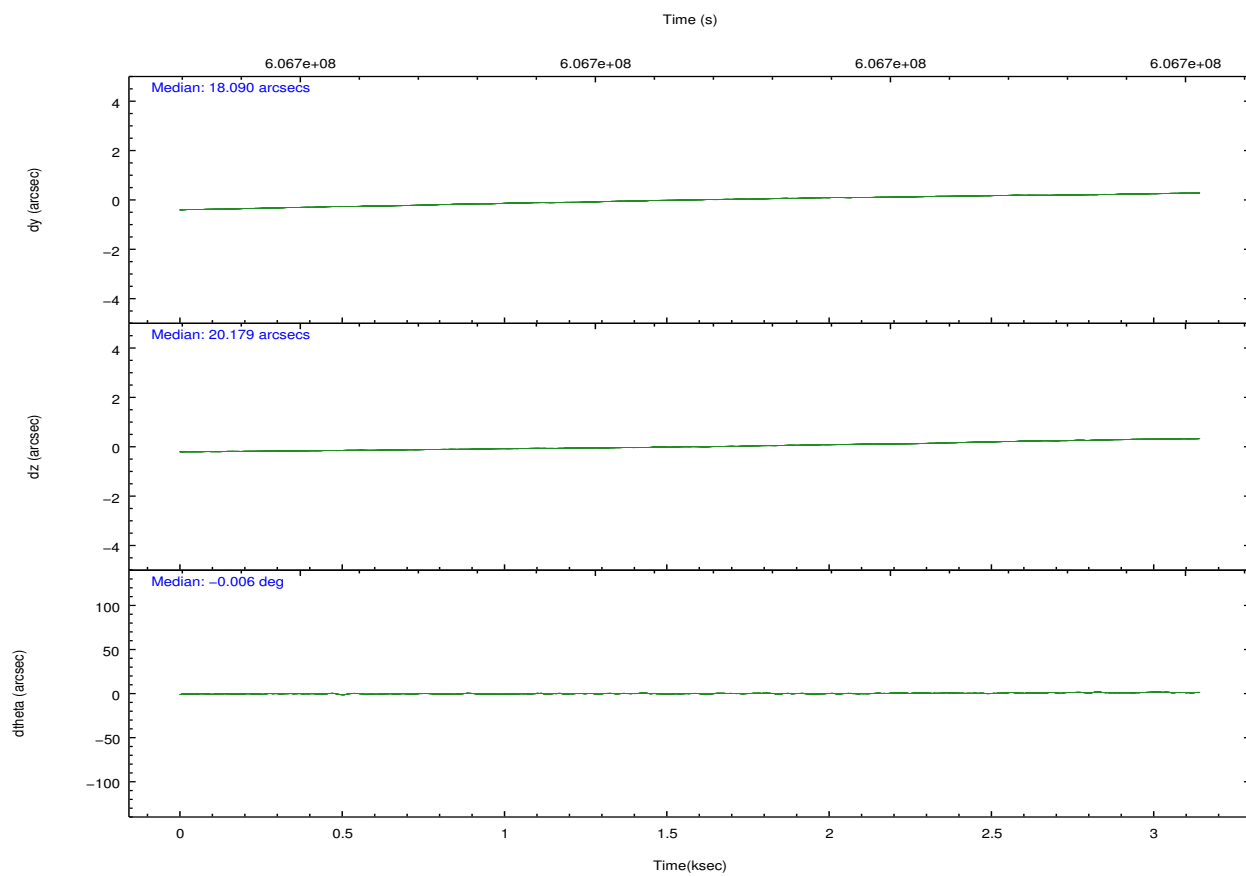
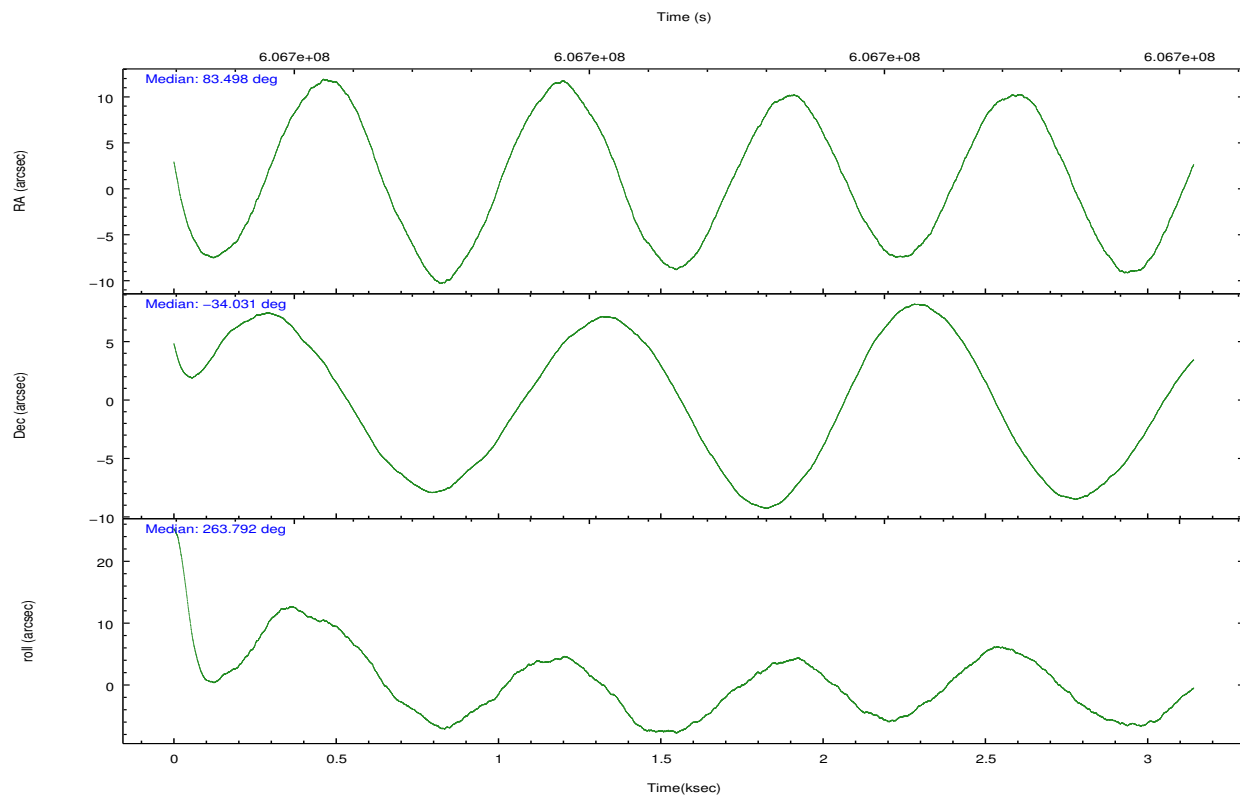
	ccd 6	ccd 7	ccd 8
grade 0 events	908	1075	2576
	4%	3%	8%
grade 1 events	11	30	24
	0%	0%	0%
grade 2 events	618	2664	2015
	2%	9%	6%
grade 3 events	243	997	845
	1%	3%	2%
grade 4 events	271	971	840
	1%	3%	2%
grade 5 events	1039	2793	1527
	4%	10%	5%
grade 6 events	591	6697	2312
	2%	24%	7%
grade 7 events	18898	12633	19818
	83%	45%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	83.484528	83.49814243955193	Subarray requested	NONE	NONE
[deg] Pointing Dec	-34.006277	-34.03118589455923	Alternating exposures requested	N	N
[deg] Pointing Roll	263.631971	263.796284071479	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	606694903.184000	606693630.84851			
Observation start date	2017-03-23T22:20:34	2017-03-23T22:00:30			
[s] Observation end time (MET)	606697903.184000	606698746.6238			
Observation end date	2017-03-23T23:10:34	2017-03-23T23:25:46			
Read mode	TIMED	TIMED			

2.3 Aspect



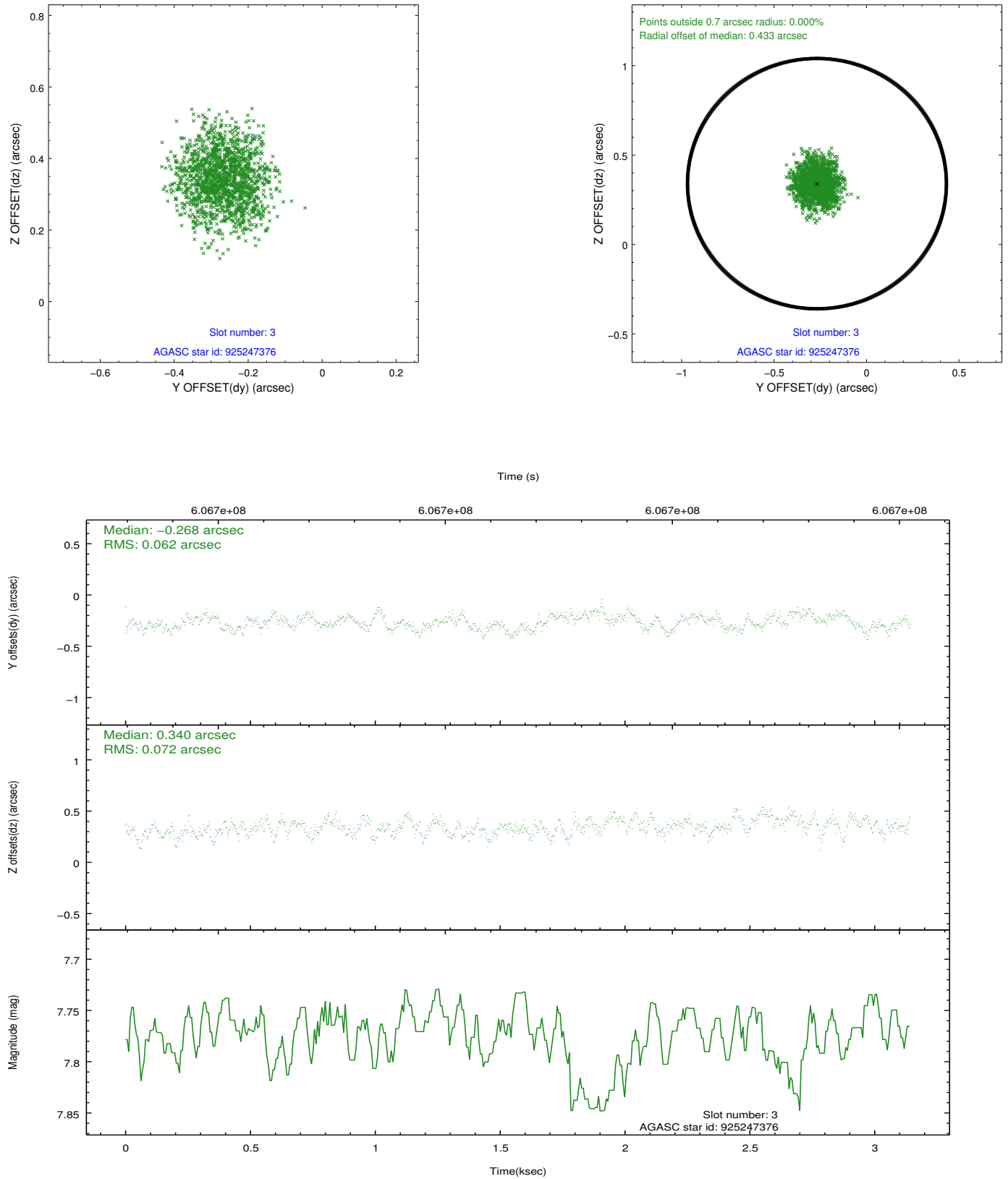


Slot Statistics

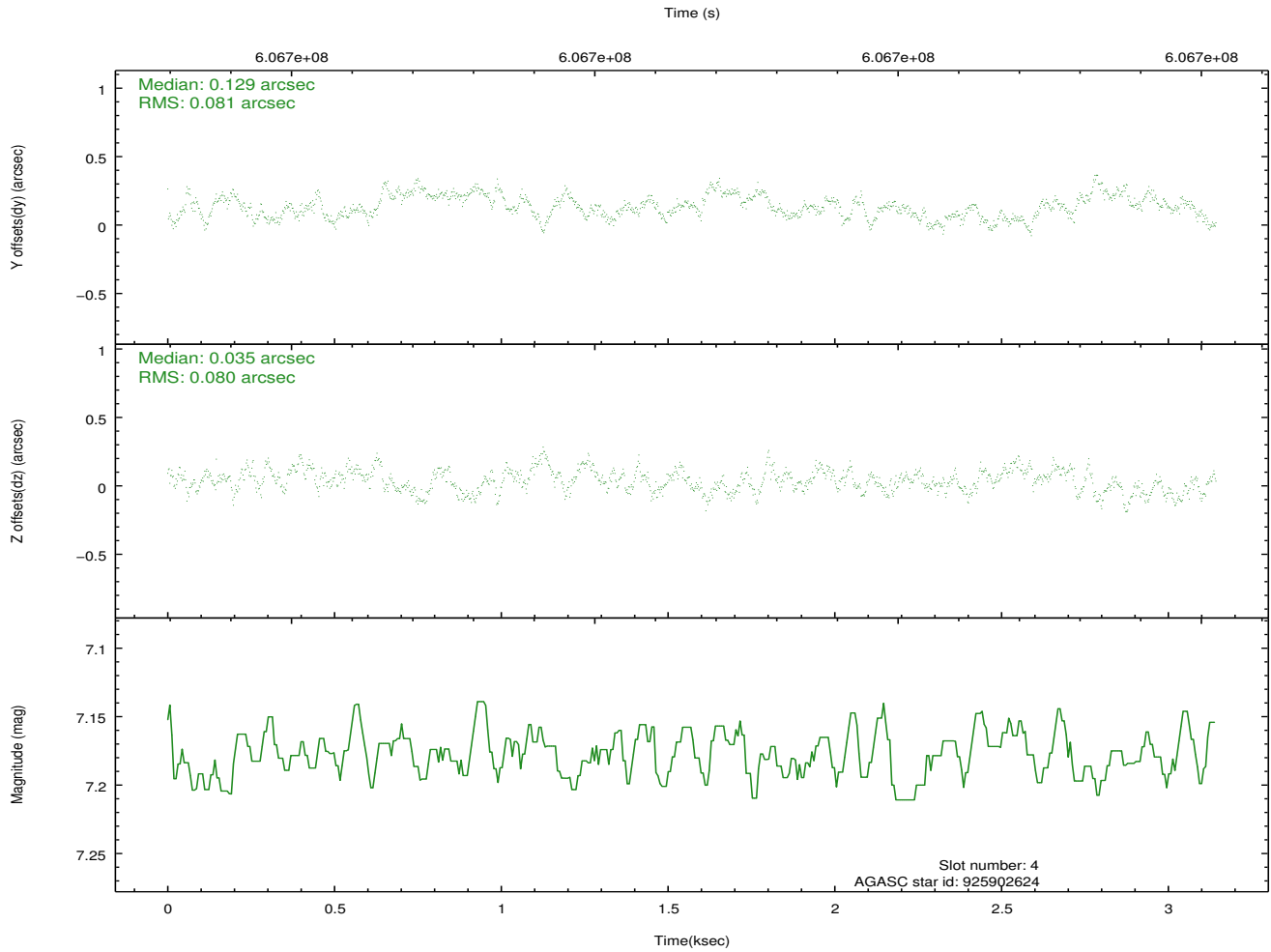
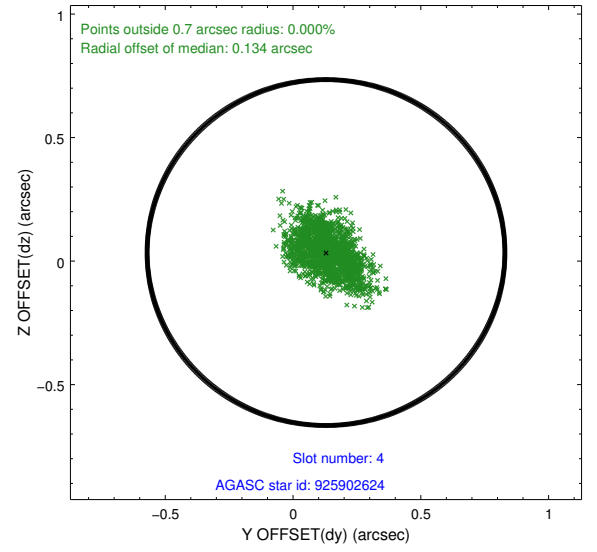
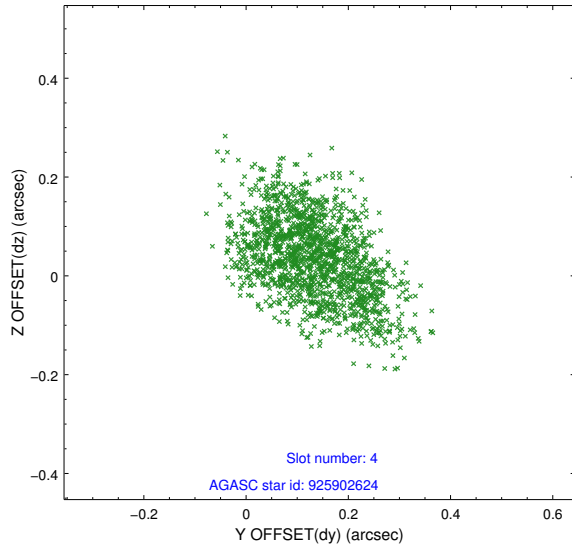
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.90	767	-0.206	-0.085	0.011	0.015	0.000000	0.000000	-771.27	-1741.83
1	FID		ACIS-S-4	7.01	767	0.489	0.122	0.010	0.017	0.000000	0.000000	2141.71	164.83
2	FID		ACIS-S-5	7.00	766	-0.313	-0.027	0.010	0.015	0.000000	0.000000	-1821.68	160.54
3	GUIDE	used	925247376	7.77	1534	-0.268	0.340	0.104	0.157	82.927560	-33.385153	-2031.94	-1910.54
4	GUIDE	used	925902624	7.18	1534	0.129	0.035	0.122	0.194	83.317518	-34.303993	1119.79	-375.04
5	GUIDE	used	925247488	8.91	1534	0.383	0.144	0.140	0.221	83.163335	-33.331422	-2304.37	-1229.01
6	GUIDE	used	925902832	8.33	1534	-0.145	-0.247	0.100	0.176	84.229237	-33.839639	-836.42	2146.85
7	GUIDE	used	925893112	8.37	1532	-0.057	-0.268	0.265	0.351	84.269304	-33.819756	-919.68	2260.70

2.4 Star Slots

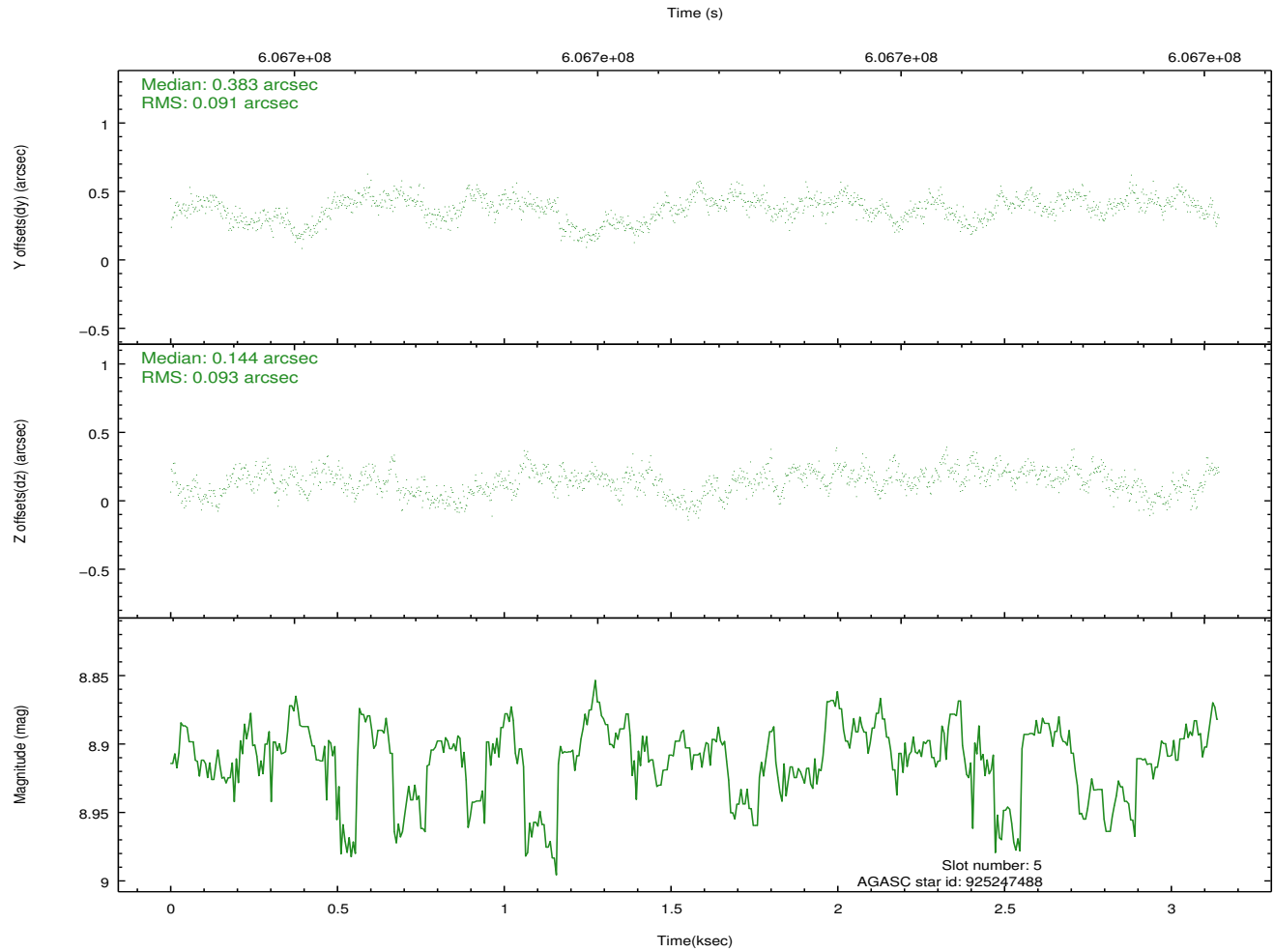
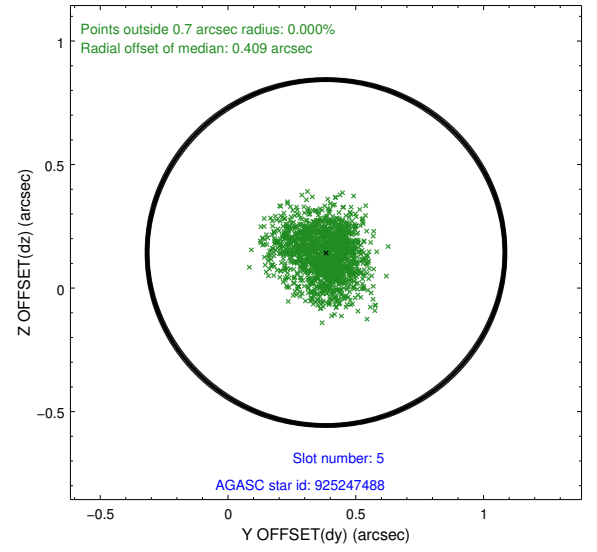
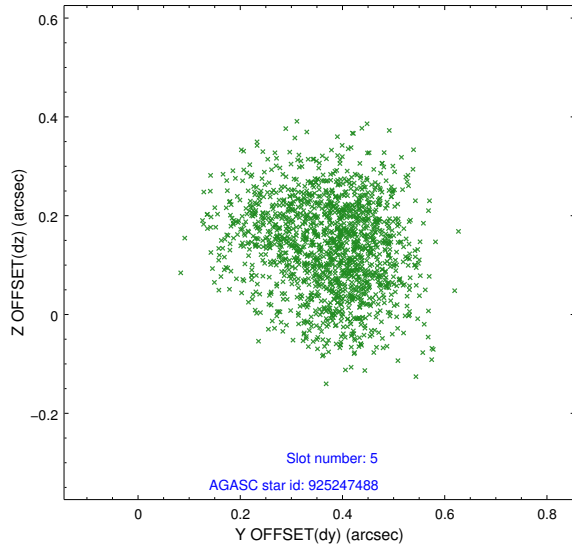
2.4.1 Slot 3



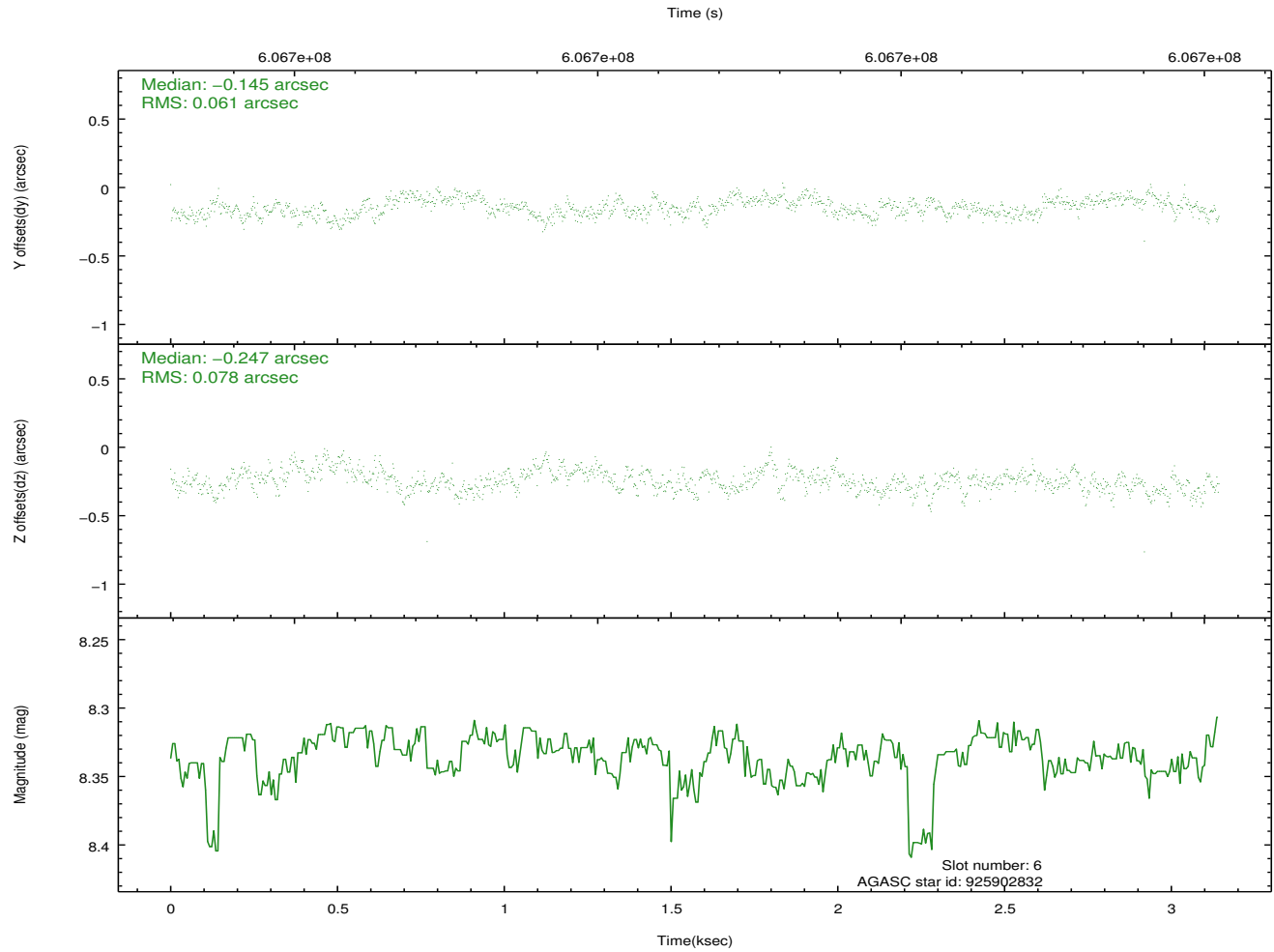
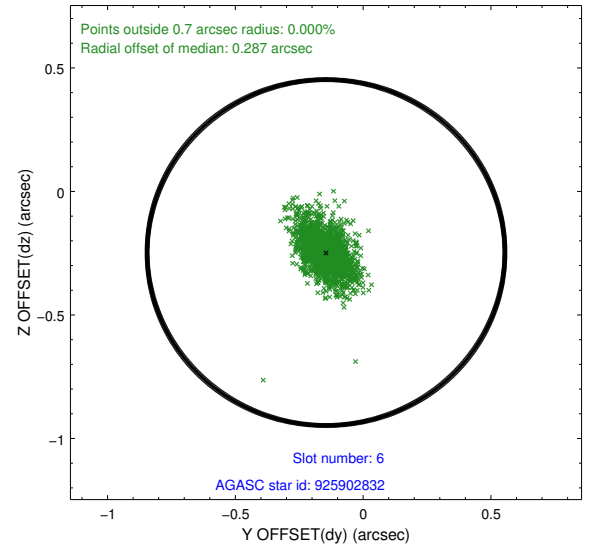
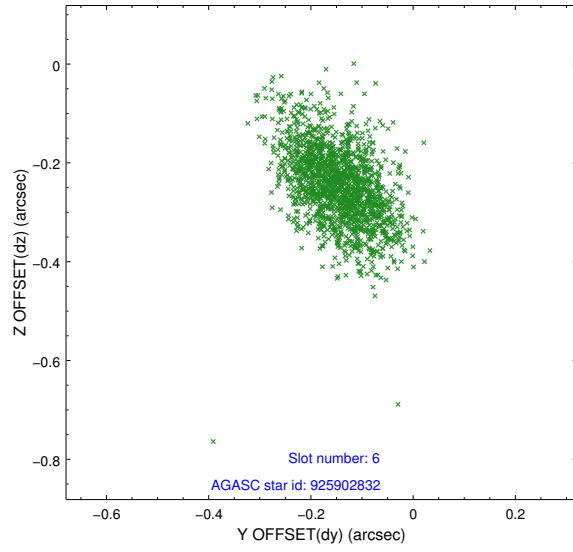
2.4.2 Slot 4



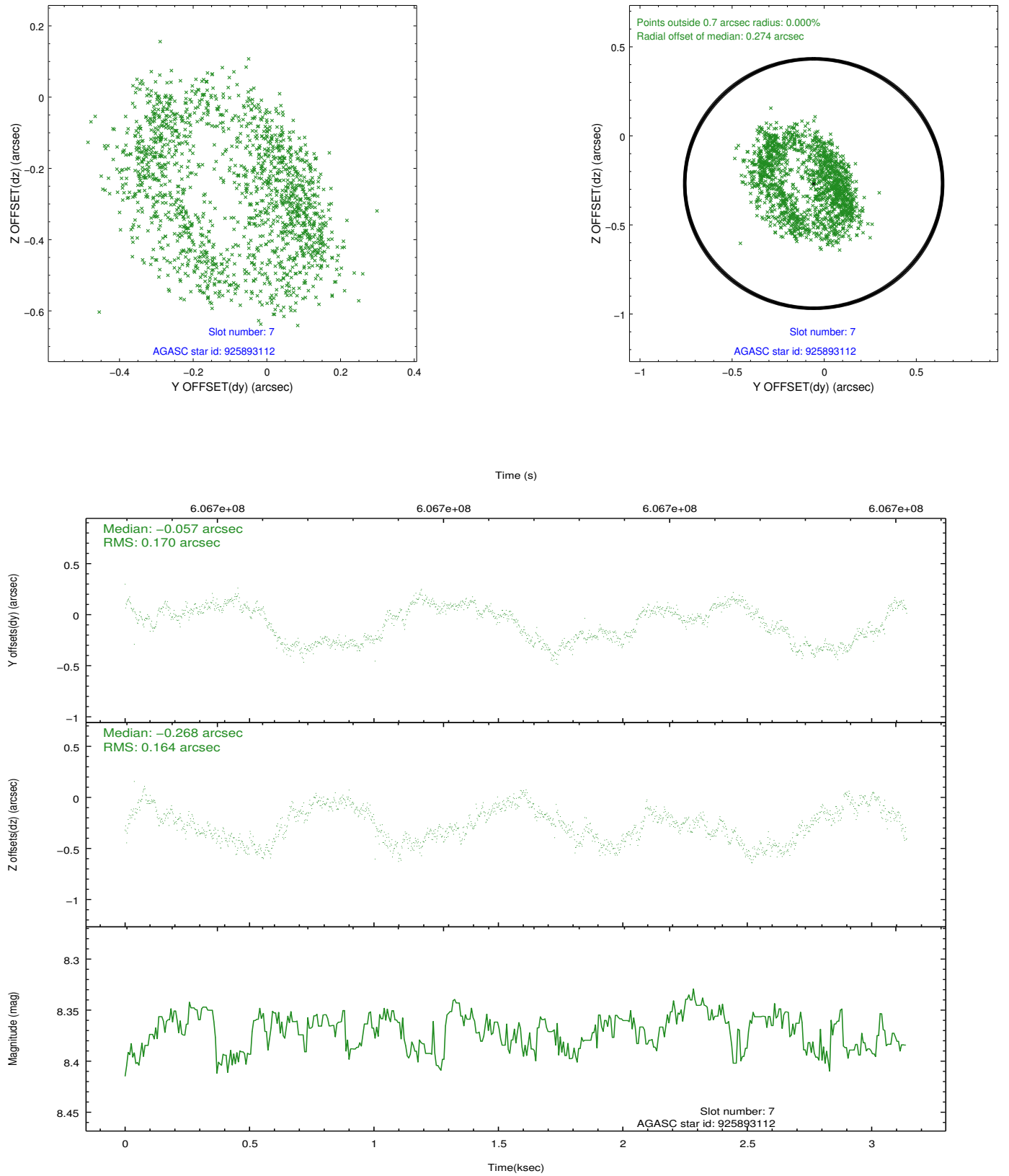
2.4.3 Slot 5



2.4.4 Slot 6

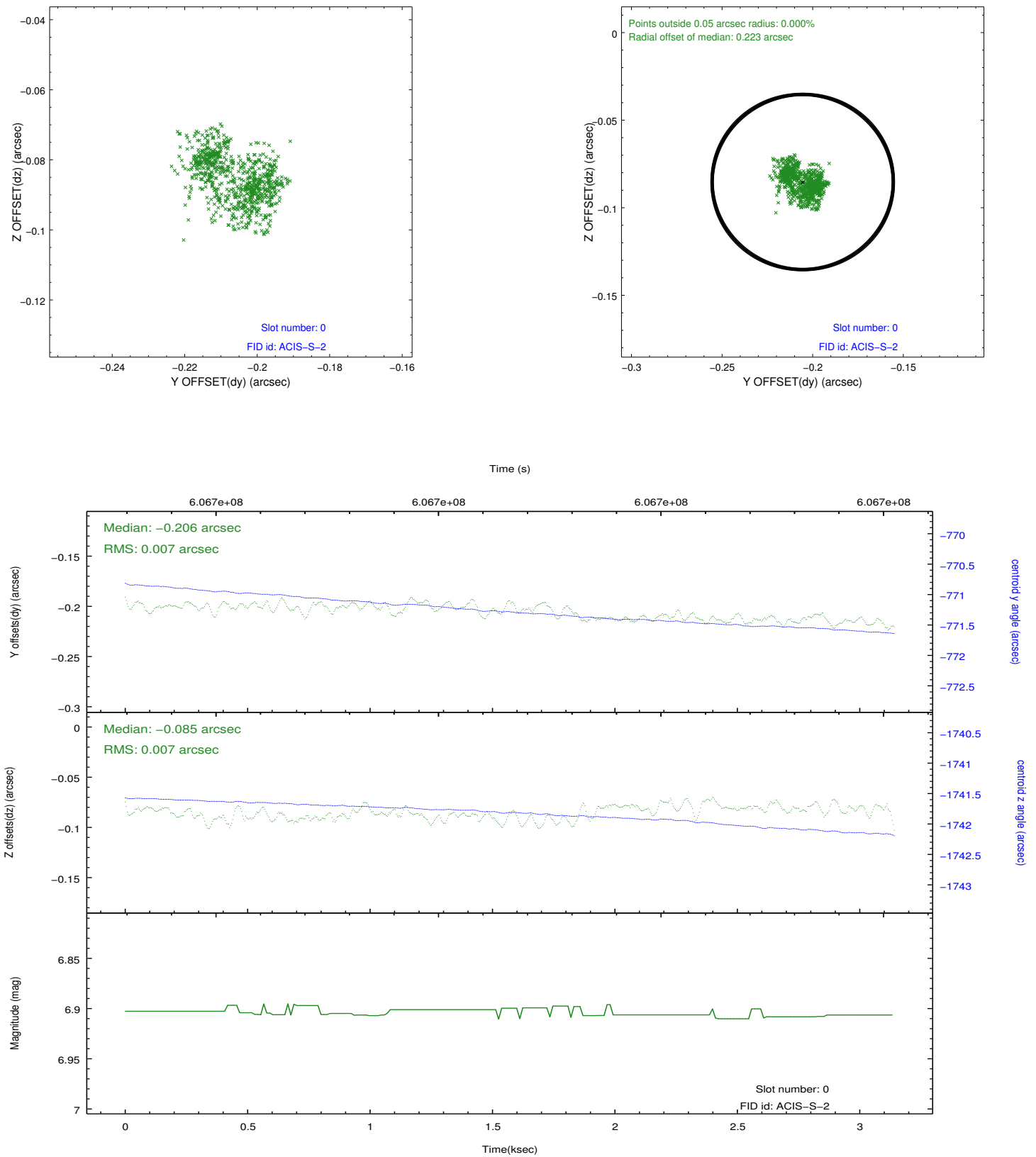


2.4.5 Slot 7

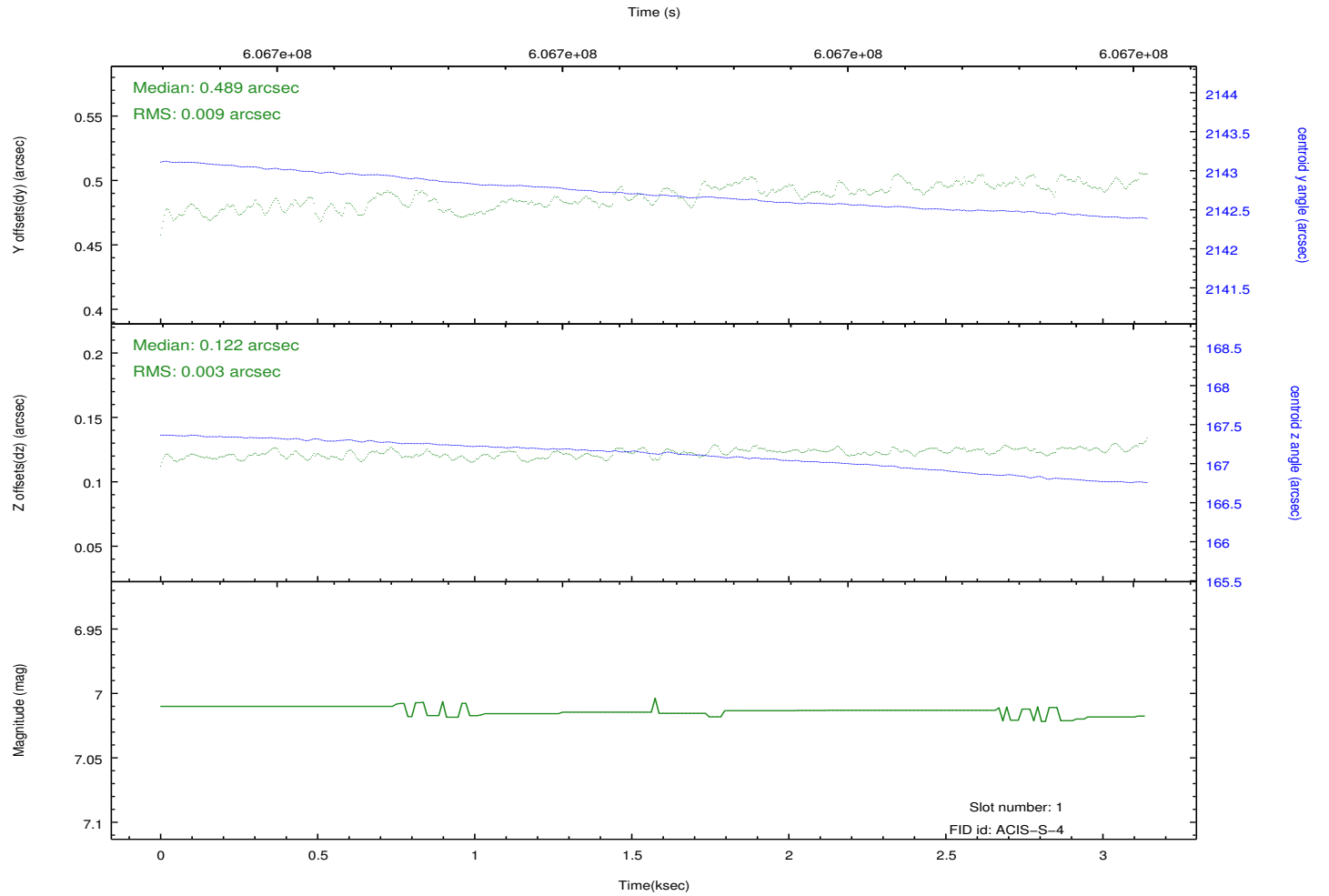
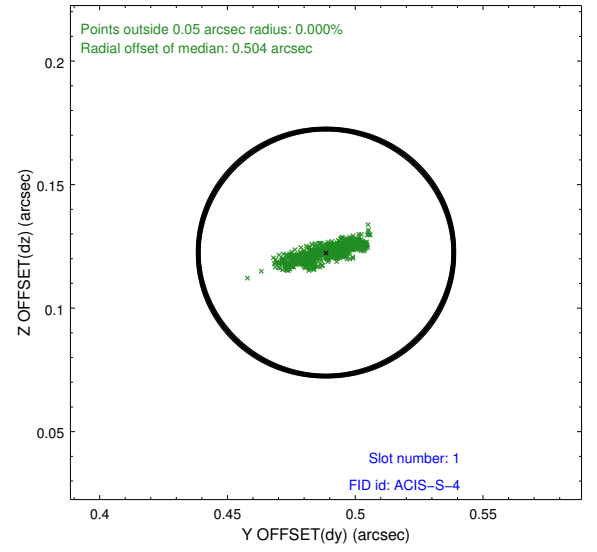
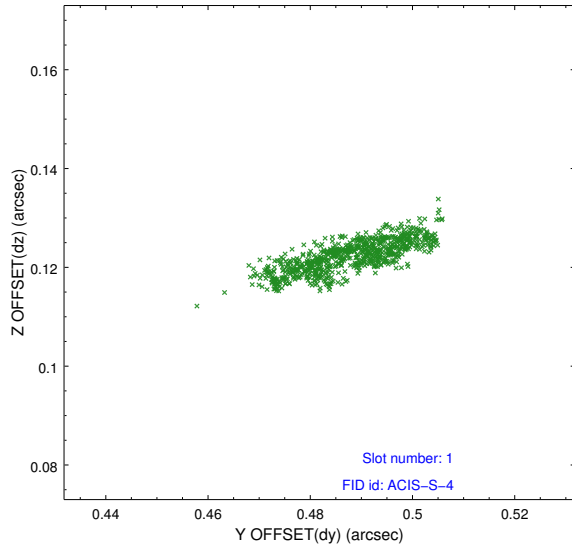


2.5 FID Slots

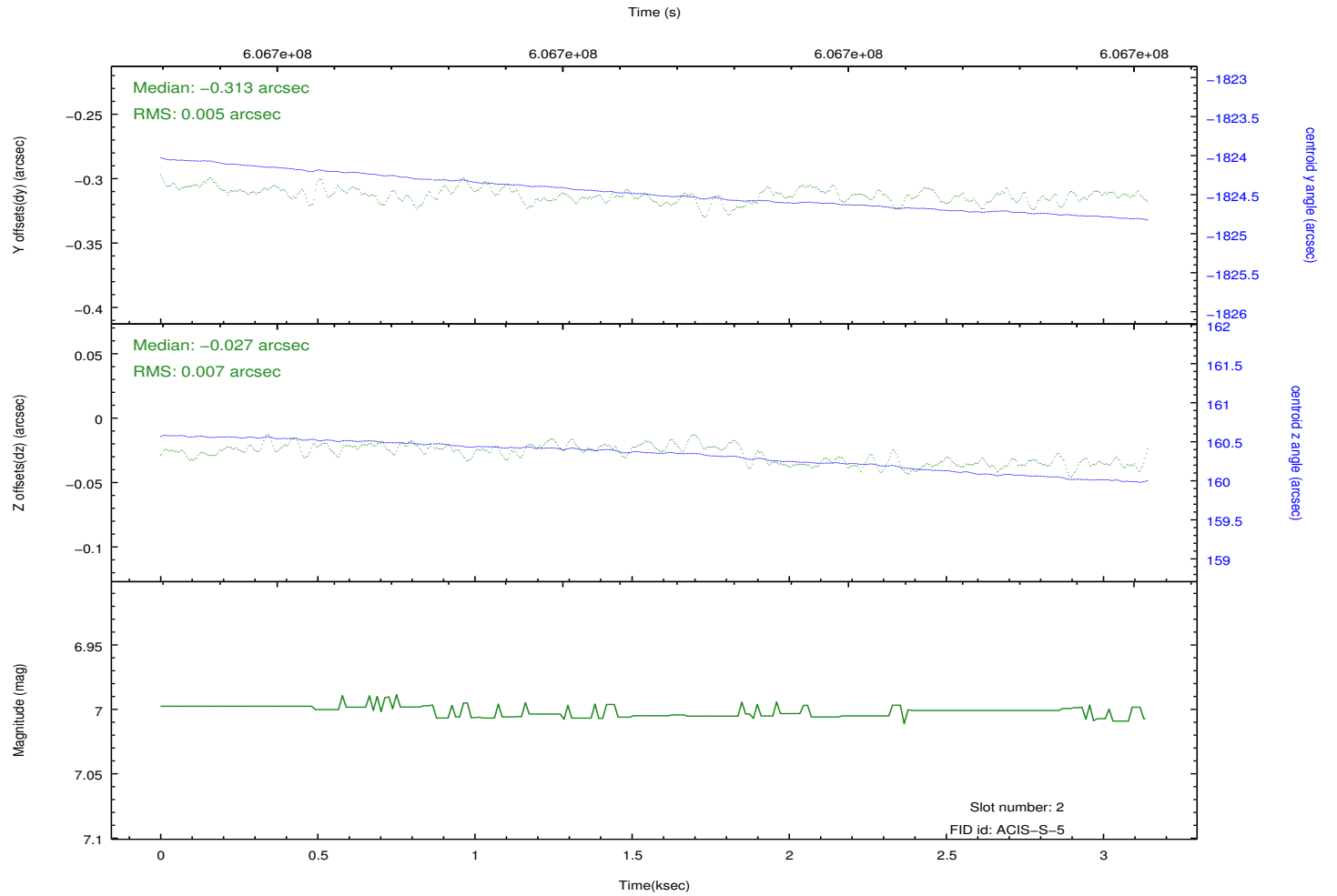
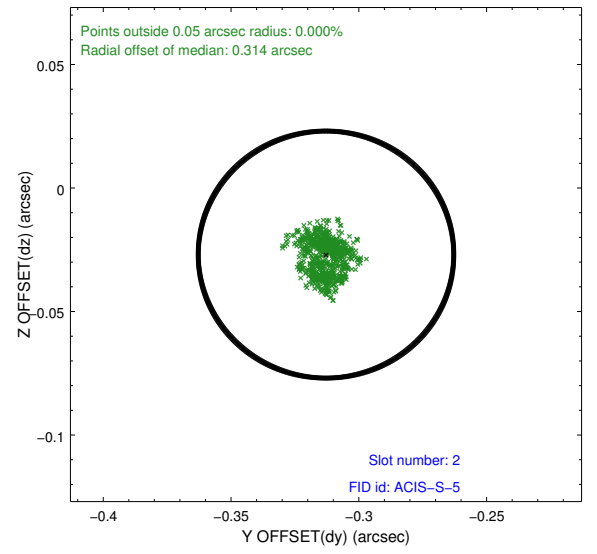
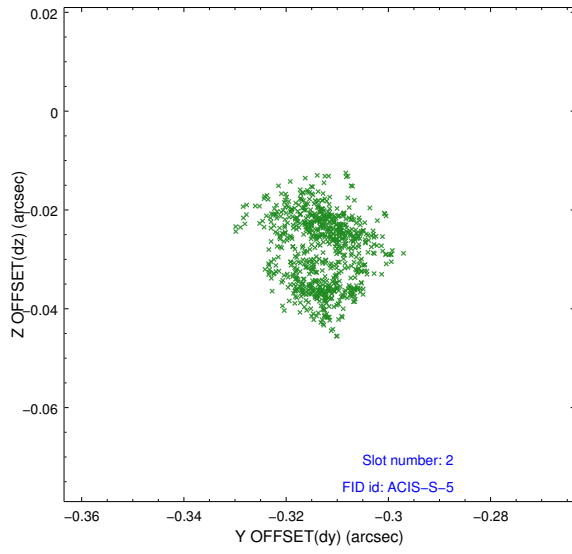
2.5.1 Slot 0



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)	2017.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1124000240564

A.2 Comments