

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3017 - L2 Version 3
Chandra X-Ray Center

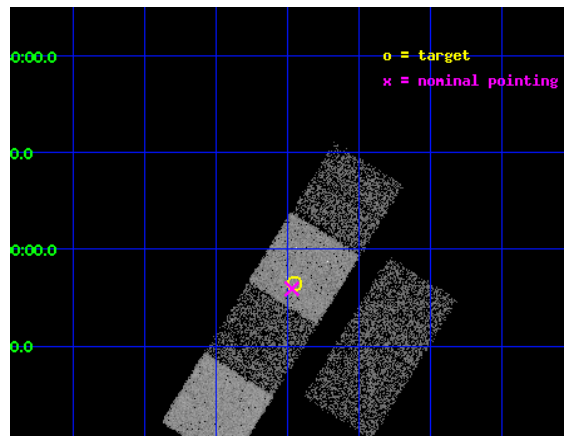
L2 Processing Date : Oct 16 2012

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1 Front

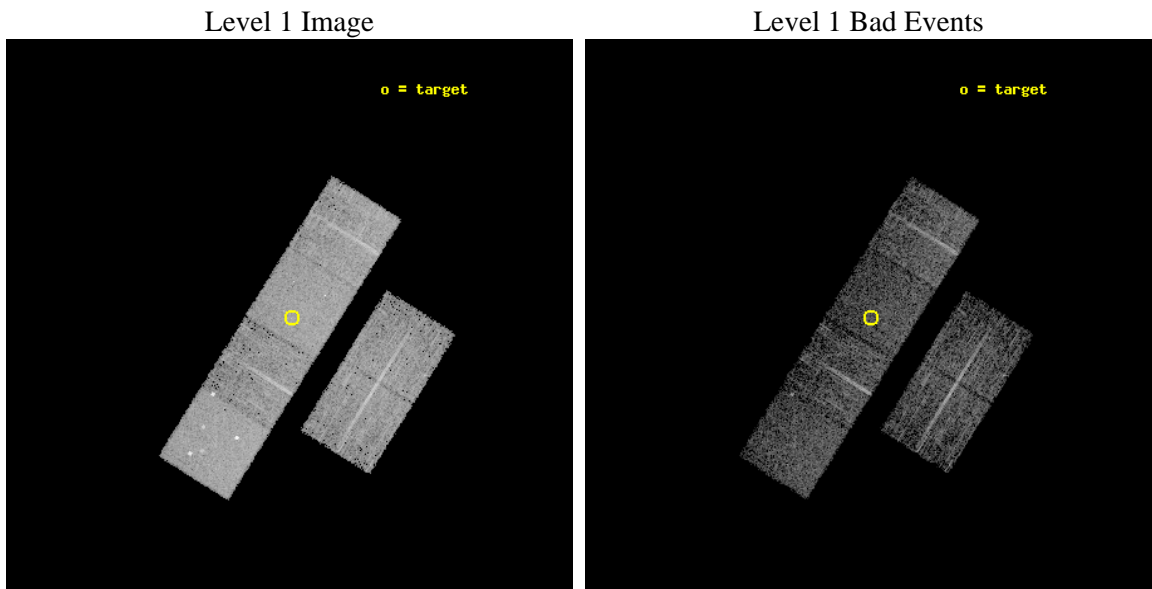
seq_num	700456	Sequence number
obs_id	3017	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	LBQS0018-0220	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	5.364042	Observer's specified target RA [deg]
dec_targ	-2.059111	Observer's specified target Dec [deg]
ra_nom	5.3675387153775	Nominal RA [deg]
dec_nom	-2.0680546271147	Nominal Dec [deg]
roll_nom	301.98460822867	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4895.5890428424	Sum of GTIs [s]
livetime	4833.5981466121	Livetime [s]
ontime2	4895.6300828457	Sum of GTIs [s]
ontime3	4895.4659228325	Sum of GTIs [s]
ontime5	4895.5480028391	Sum of GTIs [s]
ontime6	4895.5069628358	Sum of GTIs [s]
ontime7	4895.5890428424	Sum of GTIs [s]
ontime8	4892.1838229299	Sum of GTIs [s]
l2events	46451	Number of level 2 events



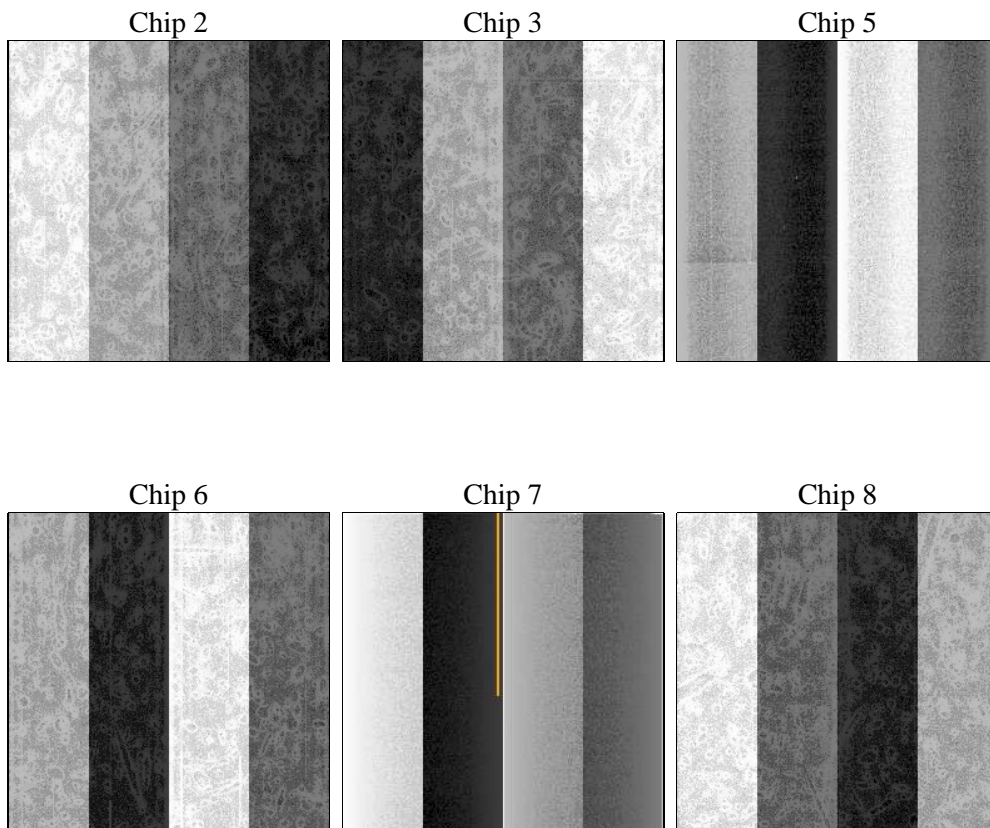
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5140.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4895.5890428424	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4895.6300828457	Sum of GTIs [s]
date	2012-10-16T23:40:33	Date and time of file creation	ontime3	4895.4659228325	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4895.5480028391	Sum of GTIs [s]
			ontime6	4895.5069628358	Sum of GTIs [s]
			ontime7	4895.5890428424	Sum of GTIs [s]
			ontime8	4892.1838229299	Sum of GTIs [s]
			l1events	213545	Number of level 1 events

2.1.4 Events

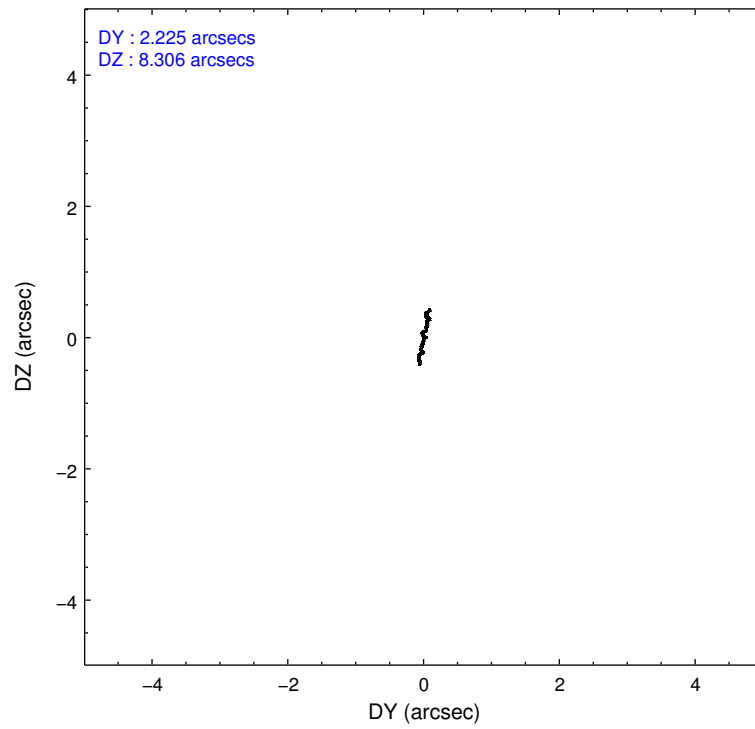
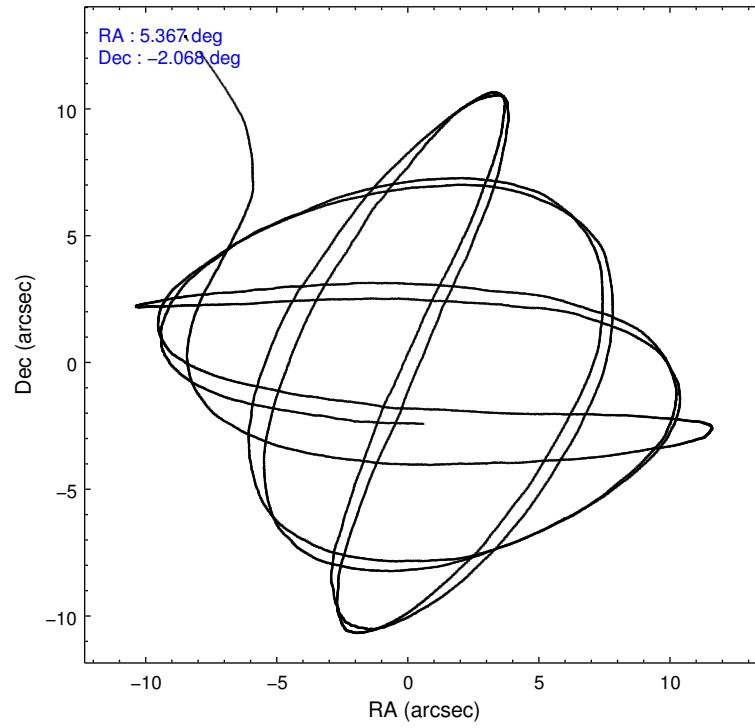
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30368	29385	45687	29227	39041	39837
rejected events	26953	26019	23859	25801	22735	32501
rejected %	88%	88%	52%	88%	58%	81%

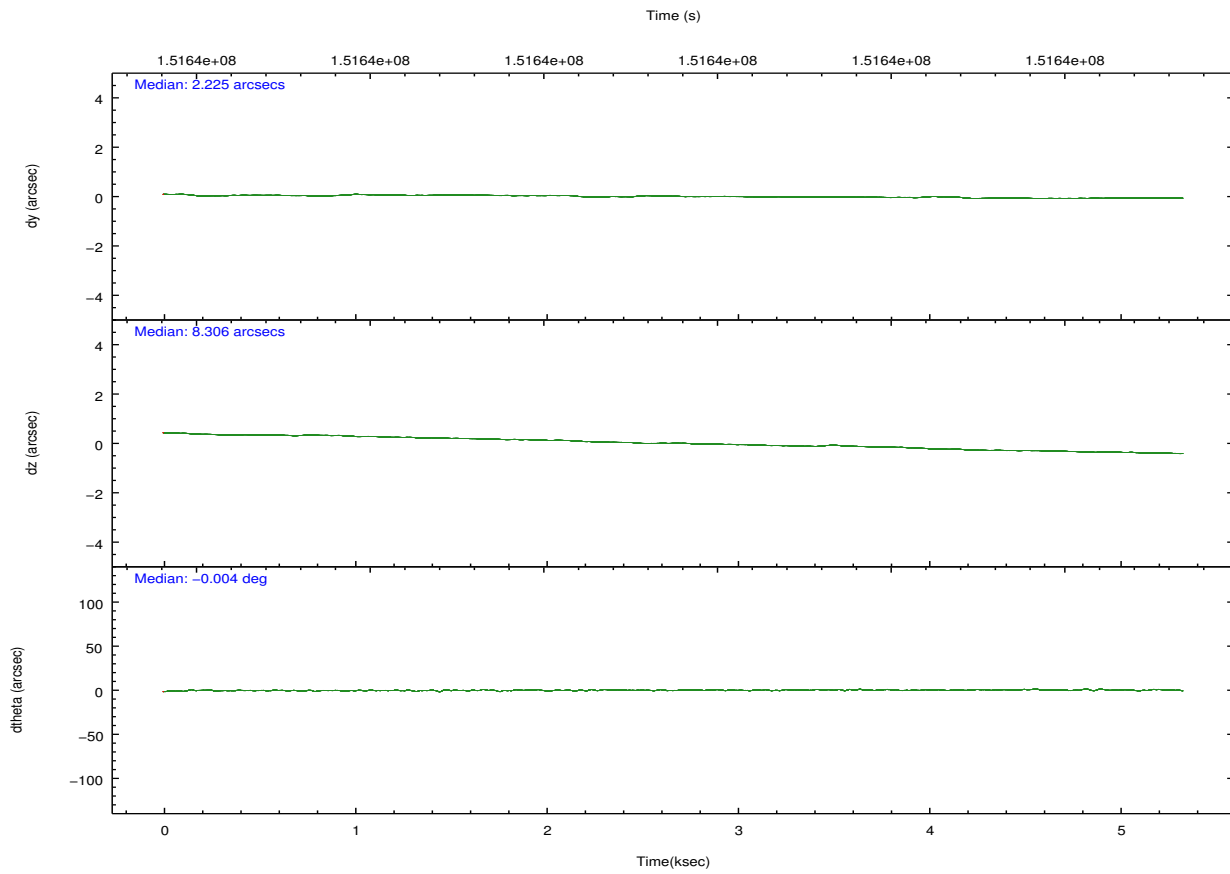
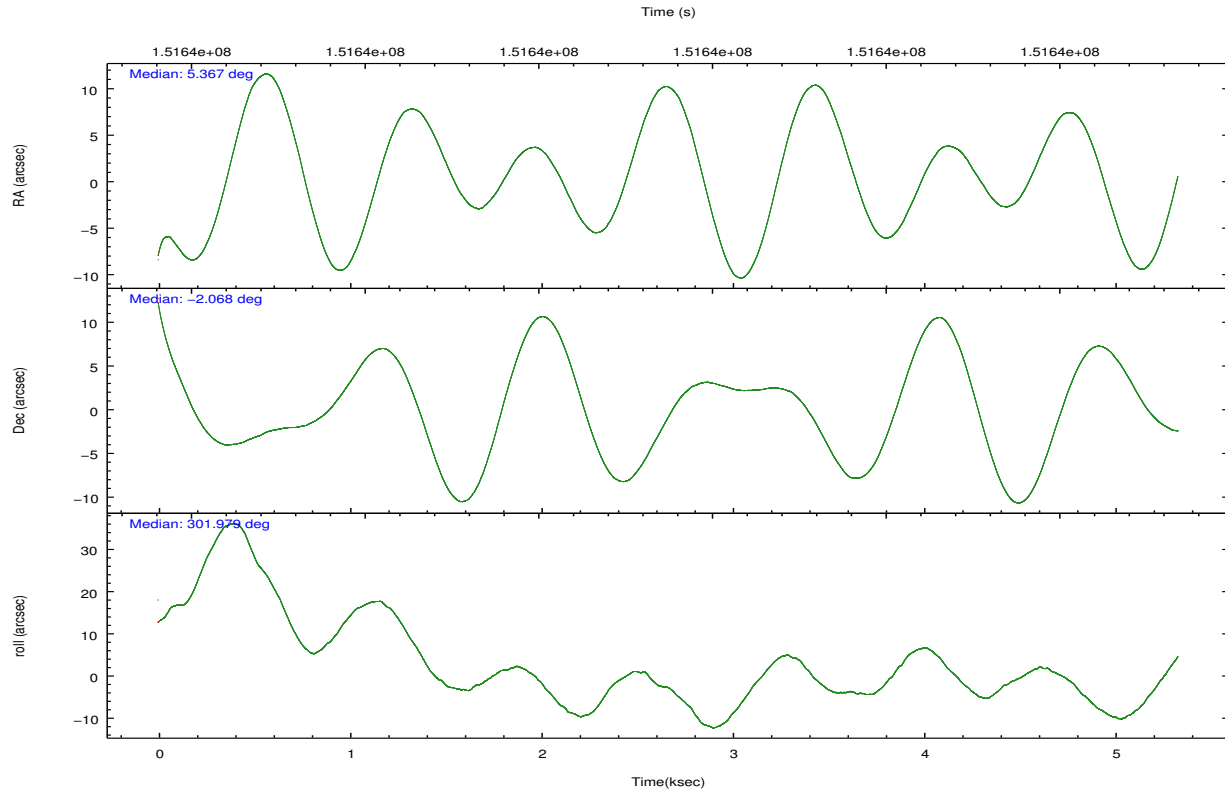
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1484	1435	3662	1376	1613	2254
	4%	4%	8%	4%	4%	5%
grade 1 events	21	16	97	11	45	28
	0%	0%	0%	0%	0%	0%
grade 2 events	724	627	5942	704	3289	1695
	2%	2%	13%	2%	8%	4%
grade 3 events	334	360	944	350	1455	740
	1%	1%	2%	1%	3%	1%
grade 4 events	319	332	889	318	1413	721
	1%	1%	1%	1%	3%	1%
grade 5 events	1127	1215	3269	1344	3784	1682
	3%	4%	7%	4%	9%	4%
grade 6 events	558	619	10409	681	8545	1932
	1%	2%	22%	2%	21%	4%
grade 7 events	25801	24781	20475	24443	18897	30785
	84%	84%	44%	83%	48%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	5.343419	5.36753871537752	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.055617	-2.068054627114651	Alternating exposures requested	N	N
[deg] Pointing Roll	301.827138	301.9846082286667	[s] Primary exposure time	0.000000	3.2
[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)	151640264.184000	151638978.58701			
Observation start date	2002-10-22T02:16:40	2002-10-22T01:56:18			
[s] Observation end time (MET)	151645404.184000	151645912.7123			
Observation end date	2002-10-22T03:42:20	2002-10-22T03:51:52			
Read mode	TIMED	TIMED			

2.3 Aspect



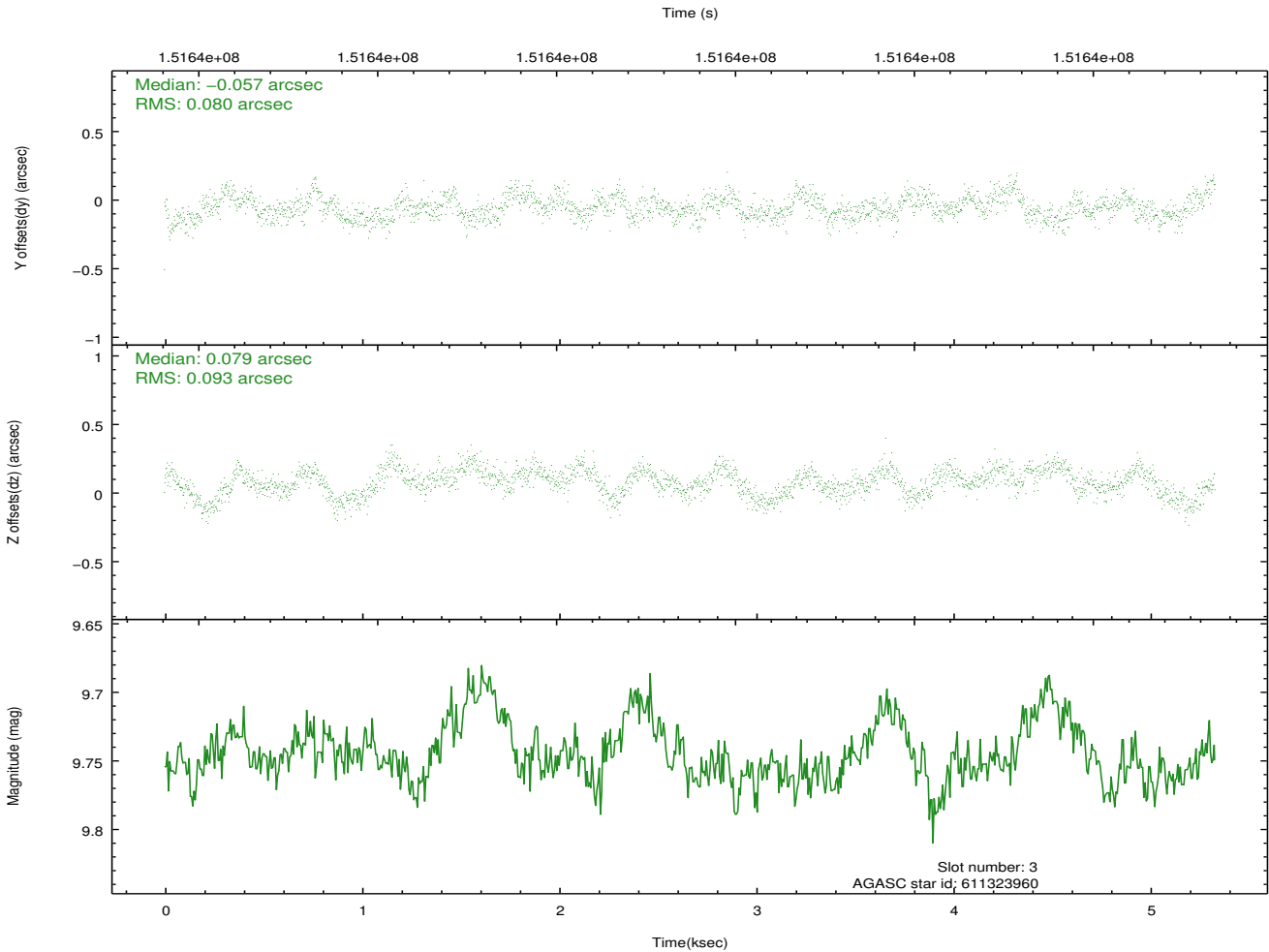
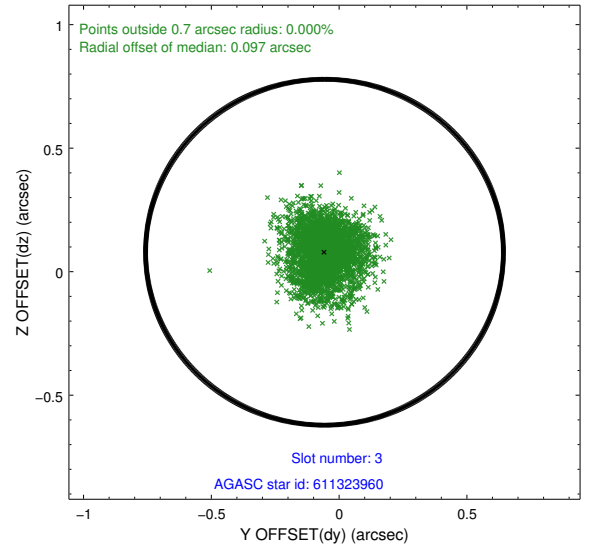
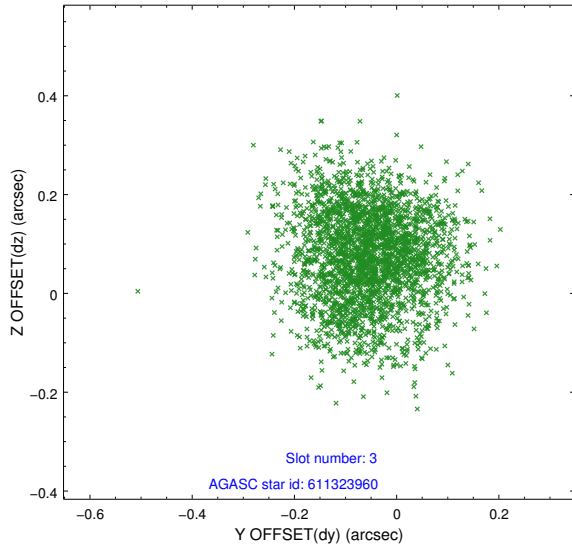


Slot Statistics

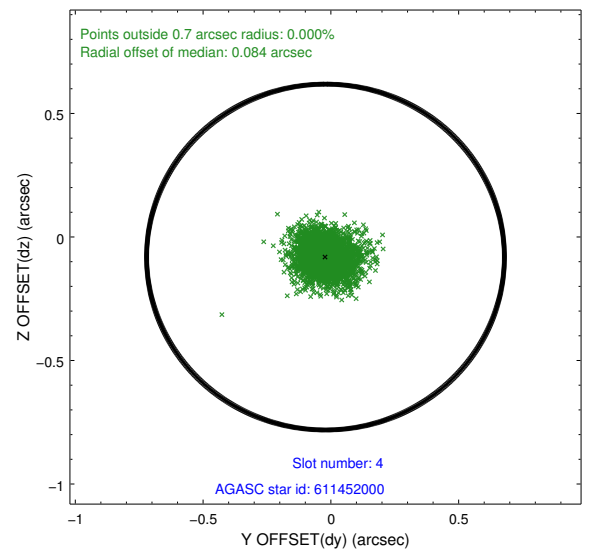
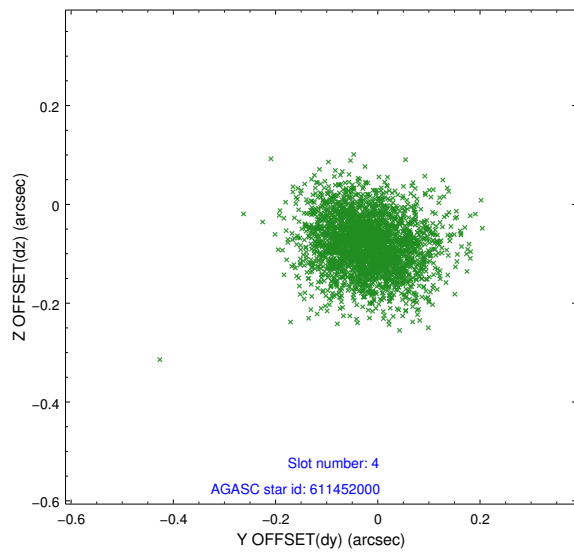
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1300	-0.024	-0.015	0.007	0.013	0.000000	0.000000	-754.88	-1729.47
1	FID	ACIS-S-4	7.20	1298	-0.006	0.016	0.008	0.016	0.000000	0.000000	2157.91	177.85
2	FID	ACIS-S-5	7.24	1300	-0.001	0.008	0.007	0.012	0.000000	0.000000	-1806.23	172.83
3	GUIDE	611323960	9.75	2593	-0.057	0.079	0.131	0.209	4.970785	-1.645292	-1960.79	-360.35
4	GUIDE	611452000	9.43	2597	-0.021	-0.081	0.091	0.152	5.000413	-2.170052	-299.96	-1265.90
5	GUIDE	611452320	7.38	2600	-0.082	-0.052	0.049	0.081	5.287061	-2.356927	815.91	-744.60
6	GUIDE	611845944	9.47	2597	0.102	-0.069	0.091	0.144	5.335270	-2.728601	2044.89	-1302.59
7	GUIDE	611851872	9.44	2599	0.054	0.125	0.090	0.146	5.618608	-2.590225	2159.39	-174.19

2.4 Star Slots

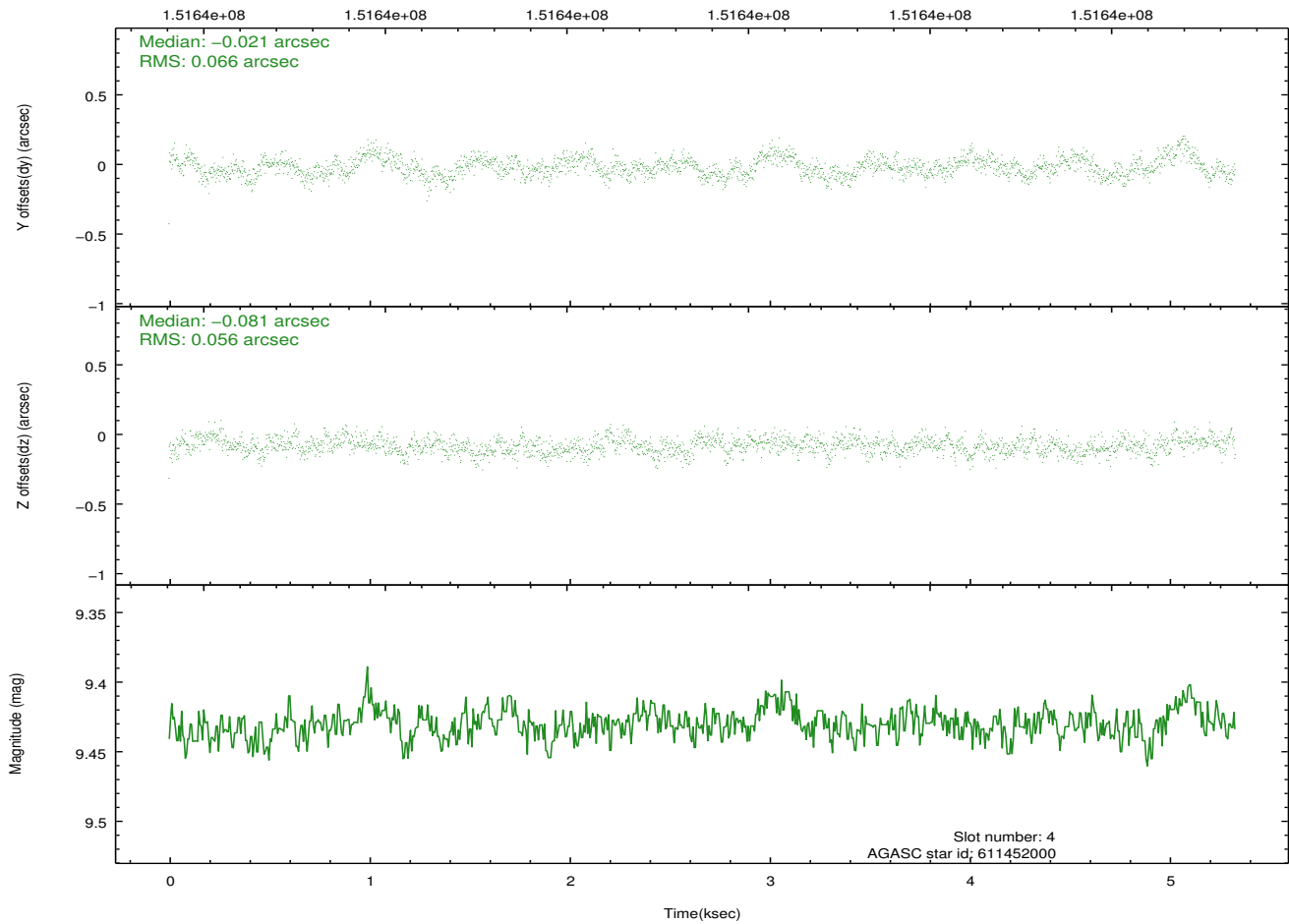
2.4.1 Slot 3



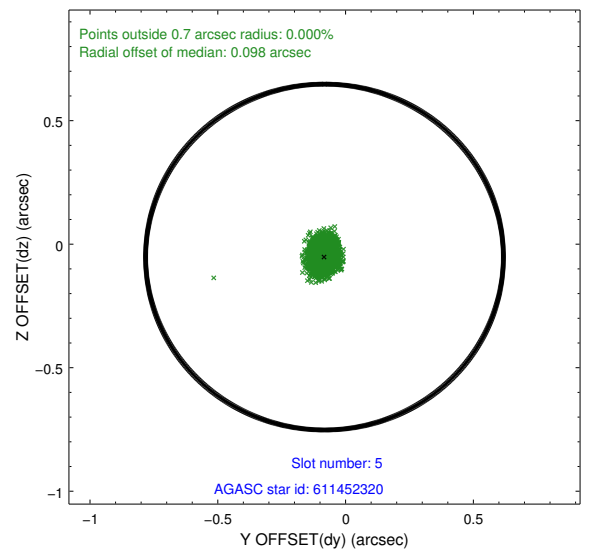
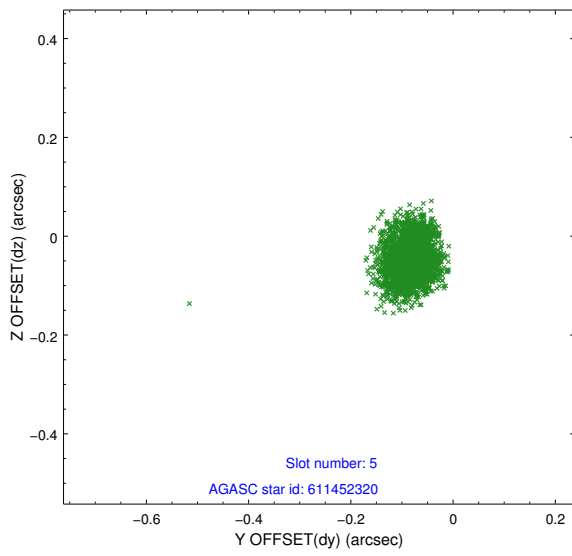
2.4.2 Slot 4



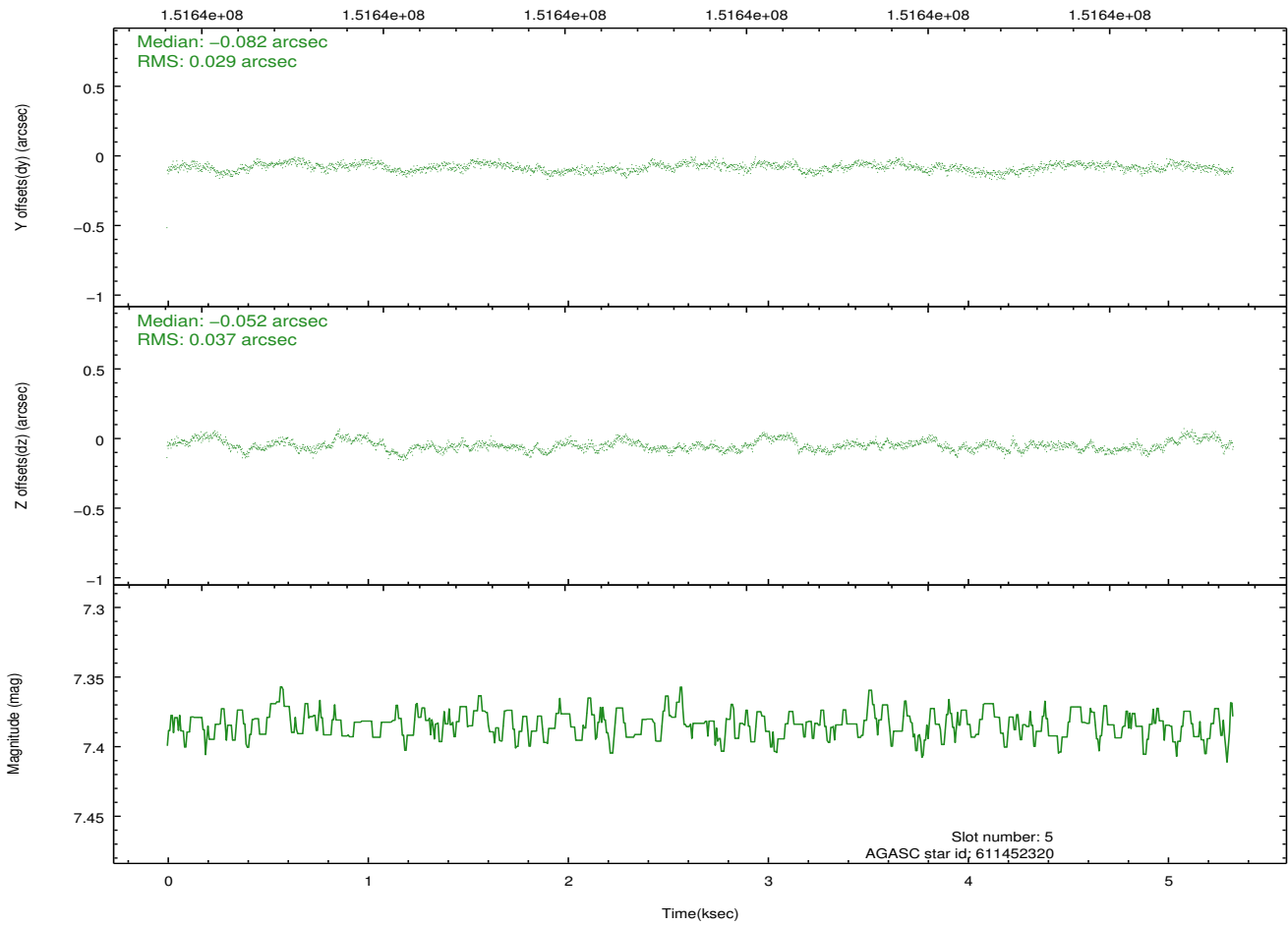
Time (s)



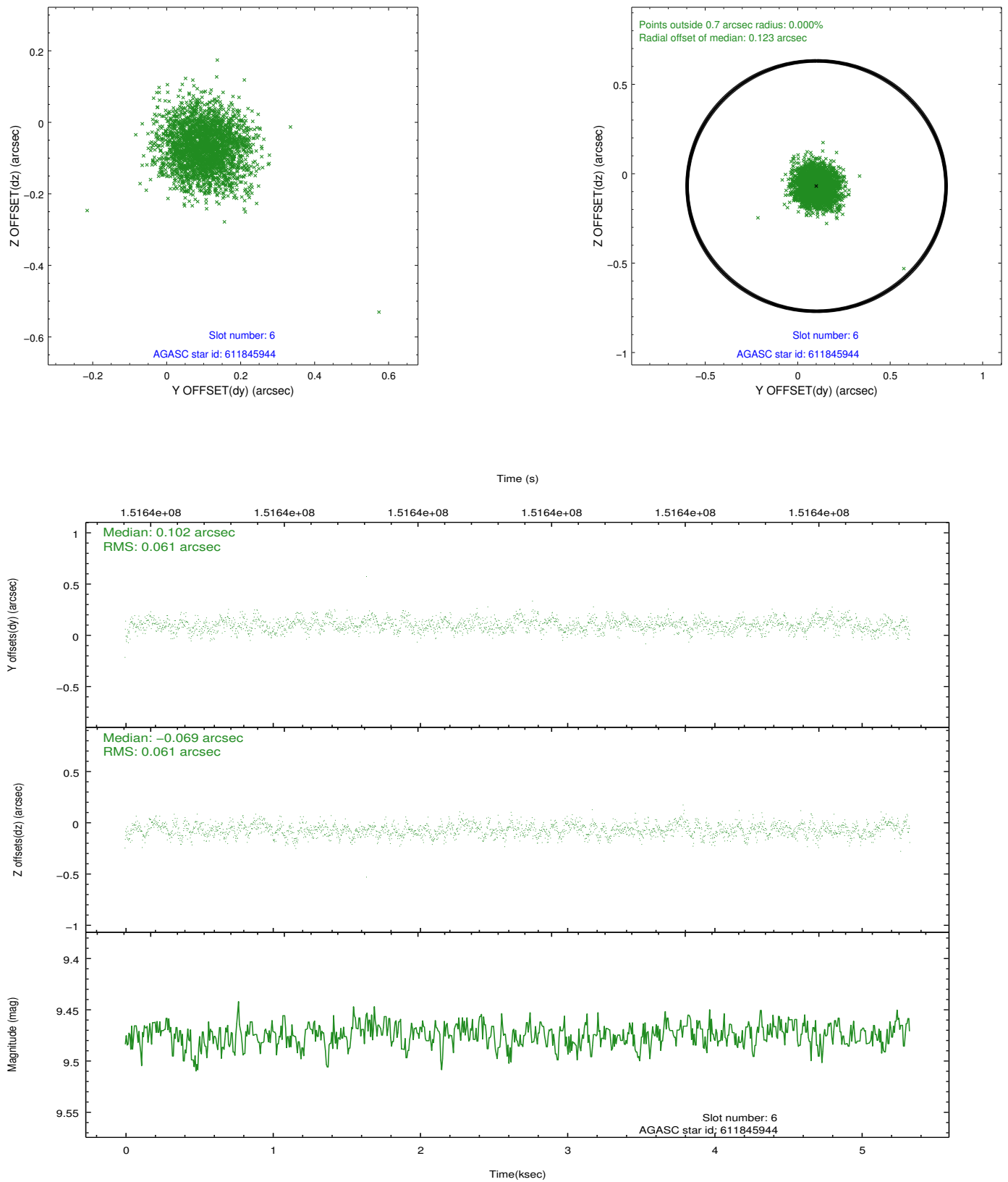
2.4.3 Slot 5



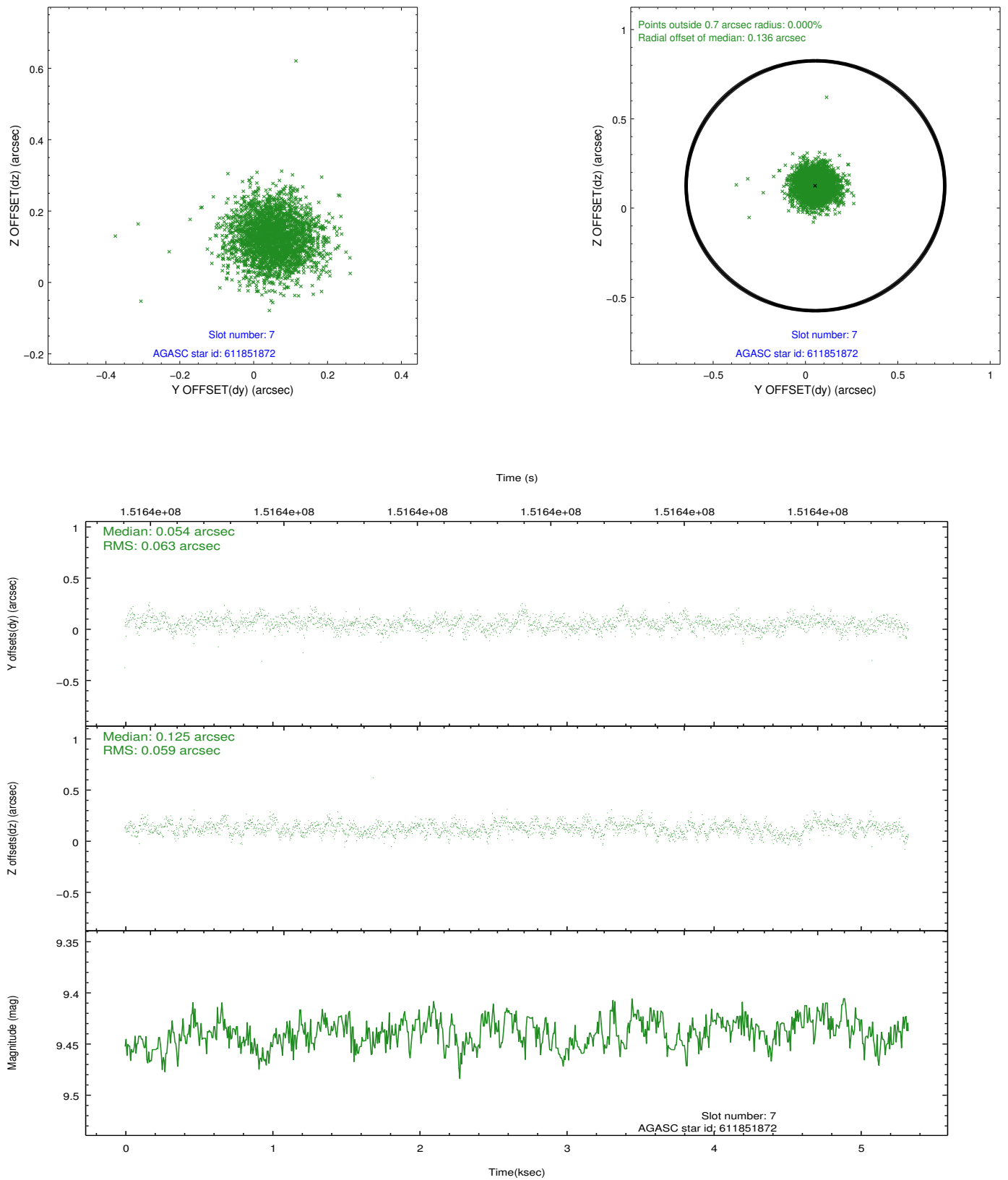
Time (s)



2.4.4 Slot 6

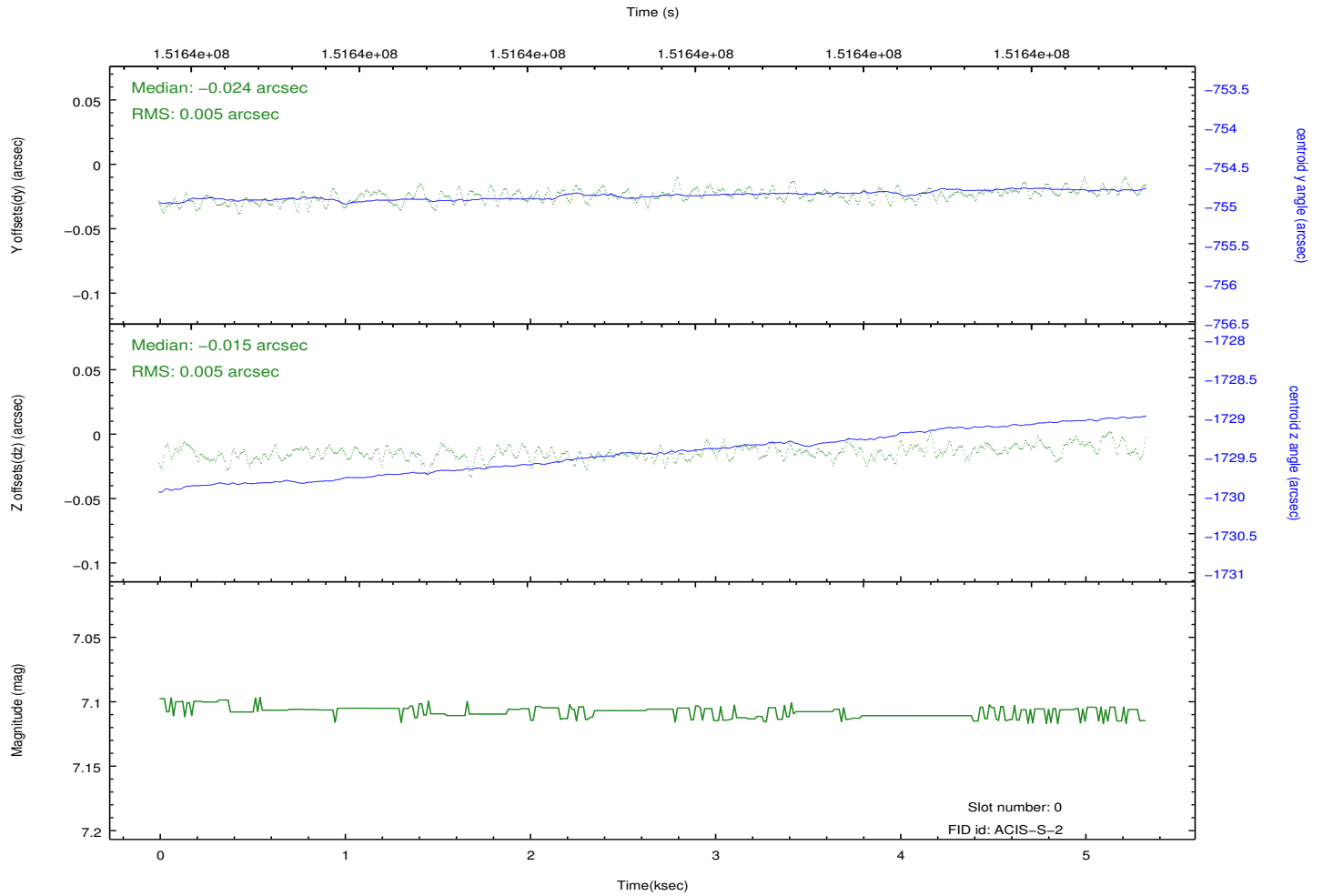
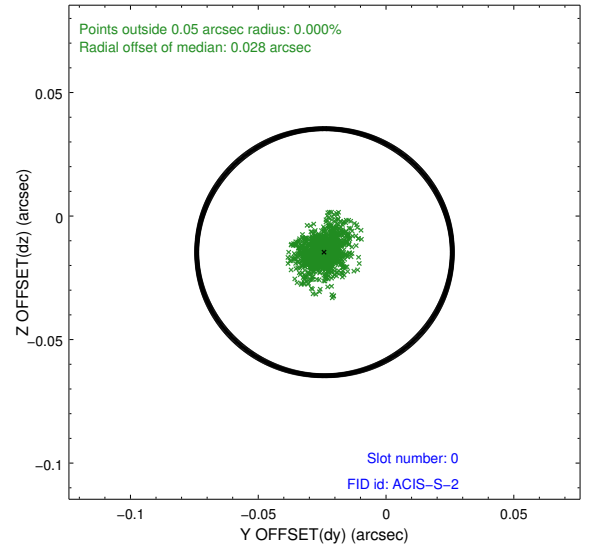
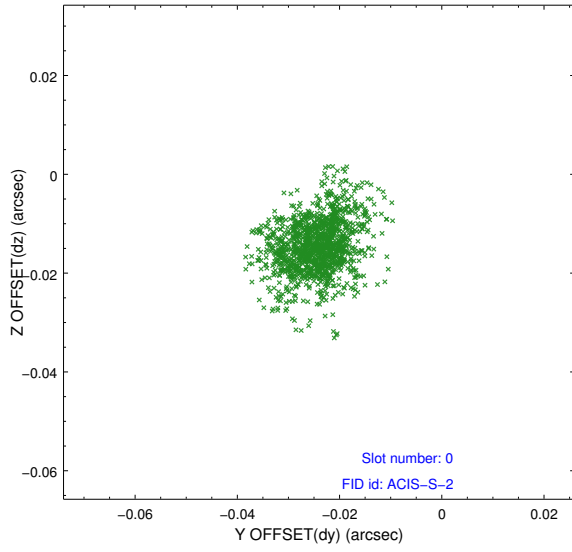


2.4.5 Slot 7

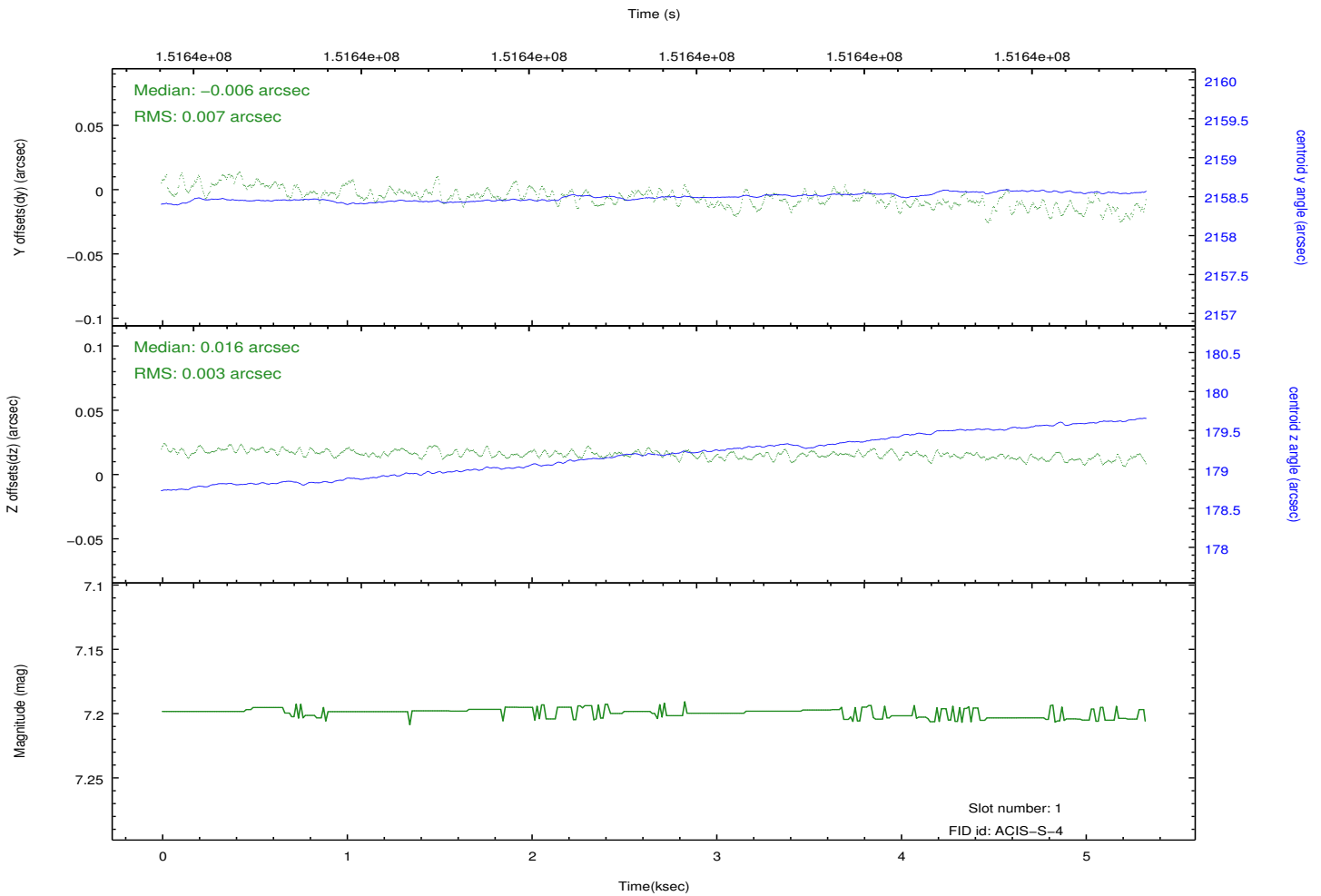
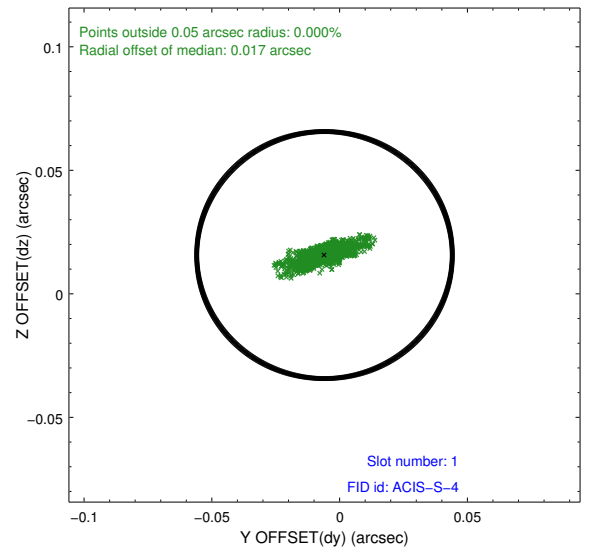
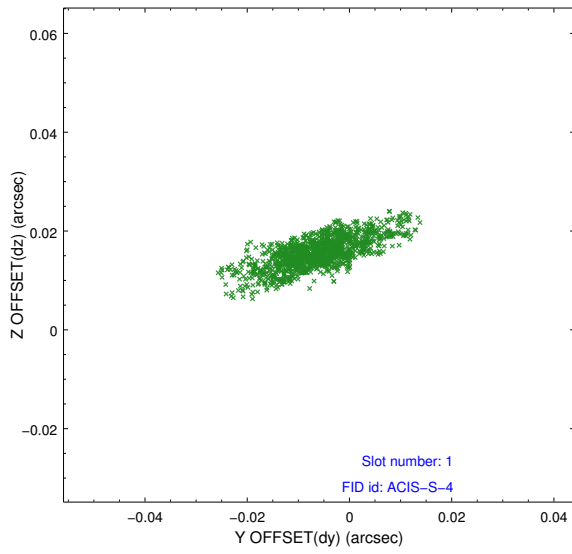


2.5 FID Slots

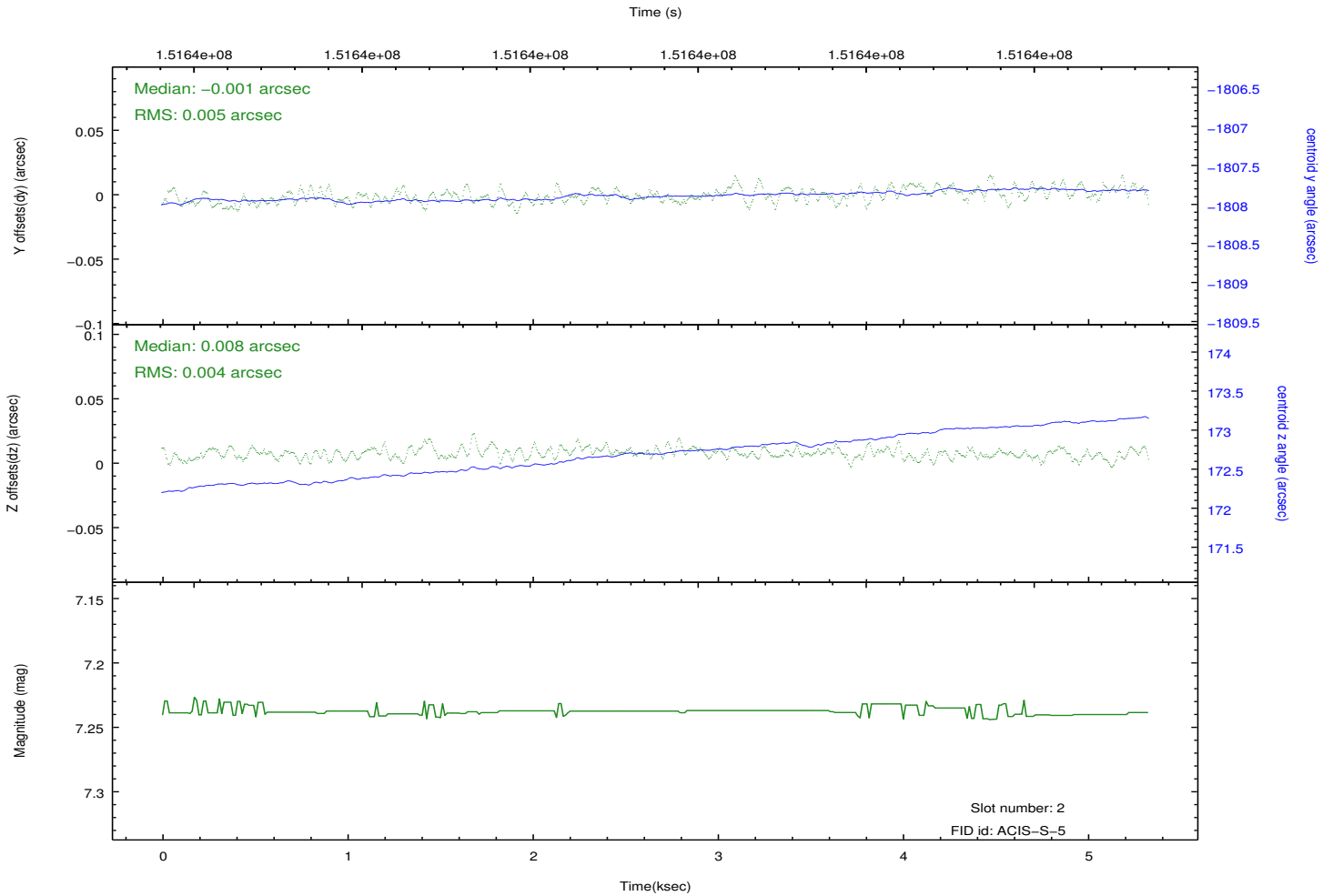
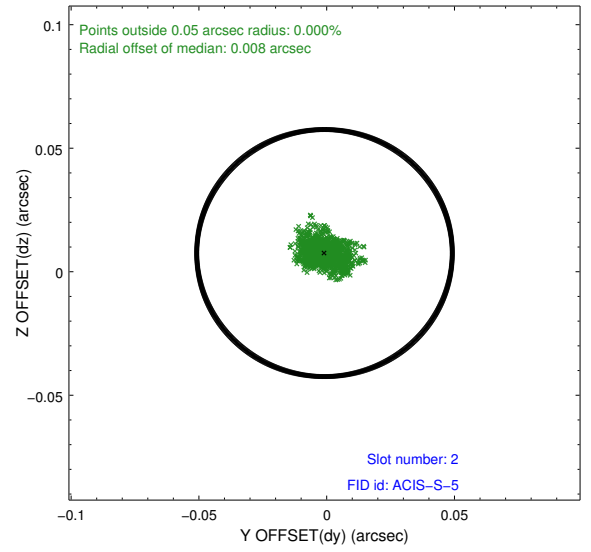
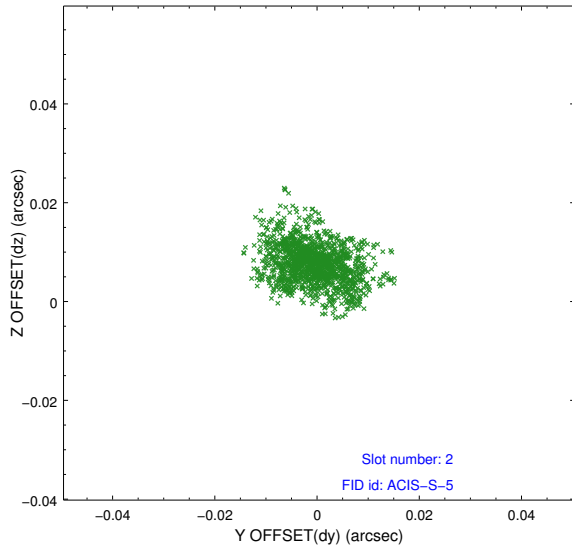
2.5.1 Slot 0



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)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.895

A.2 Comments