

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9274 - L2 Version 2
Chandra X-Ray Center

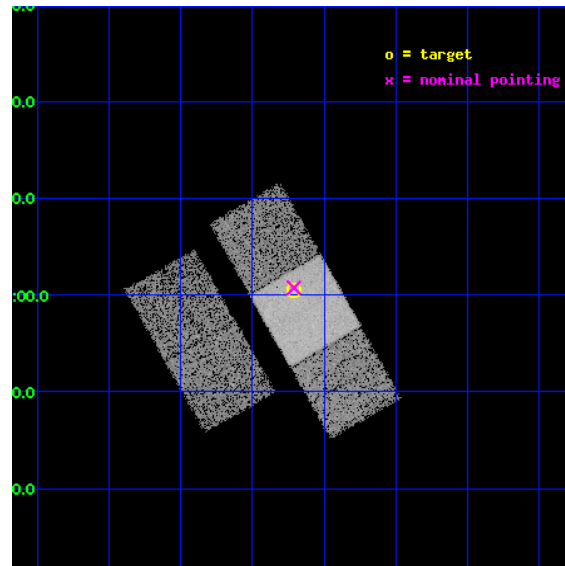
L2 Processing Date : May 7 2012

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1 Front

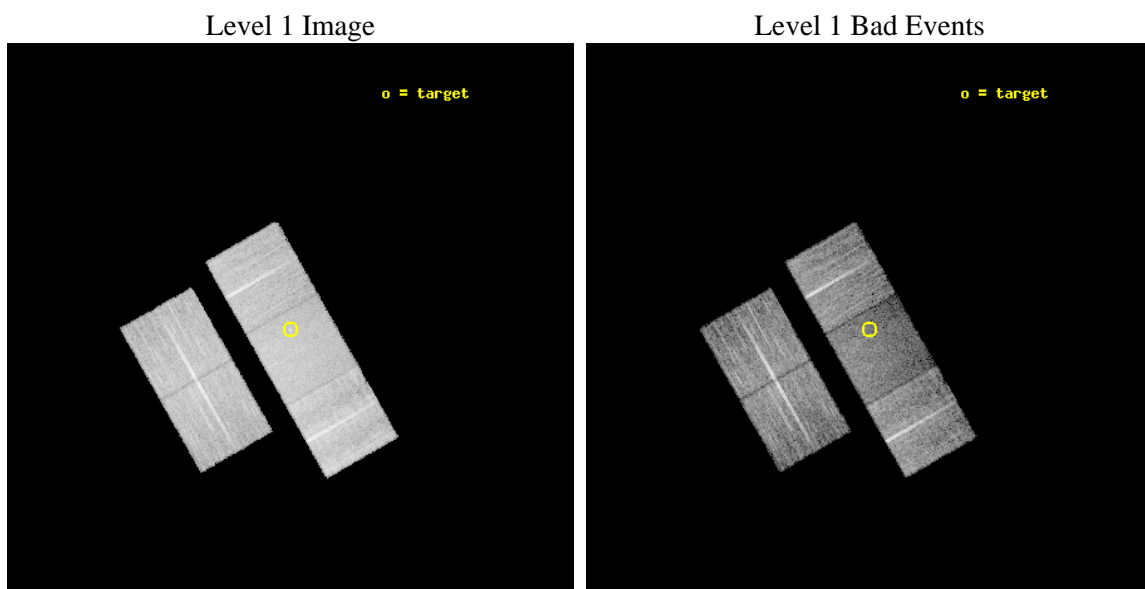
seq_num	701715	Sequence number
obs_id	9274	Observation id
title	A Chandra Survey of Nearby X-shaped Radio Galaxies	Proposal title
observer	Prof Christopher Reynolds	Principal investigator
object	J1606+0000 4C+00.58	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.552917	Observer's specified target RA [deg]
dec_targ	0.007528	Observer's specified target Dec [deg]
ra_nom	241.55277620085	Nominal RA [deg]
dec_nom	0.012388210836463	Nominal Dec [deg]
roll_nom	60.361839233517	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10177.300078273	Sum of GTIs [s]
livetime	10044.326160331	Livetime [s]
ontime2	10177.300078273	Sum of GTIs [s]
ontime3	10177.300078273	Sum of GTIs [s]
ontime6	10177.300078273	Sum of GTIs [s]
ontime7	10177.300078273	Sum of GTIs [s]
ontime8	10177.300078273	Sum of GTIs [s]
l2events	70761	Number of level 2 events



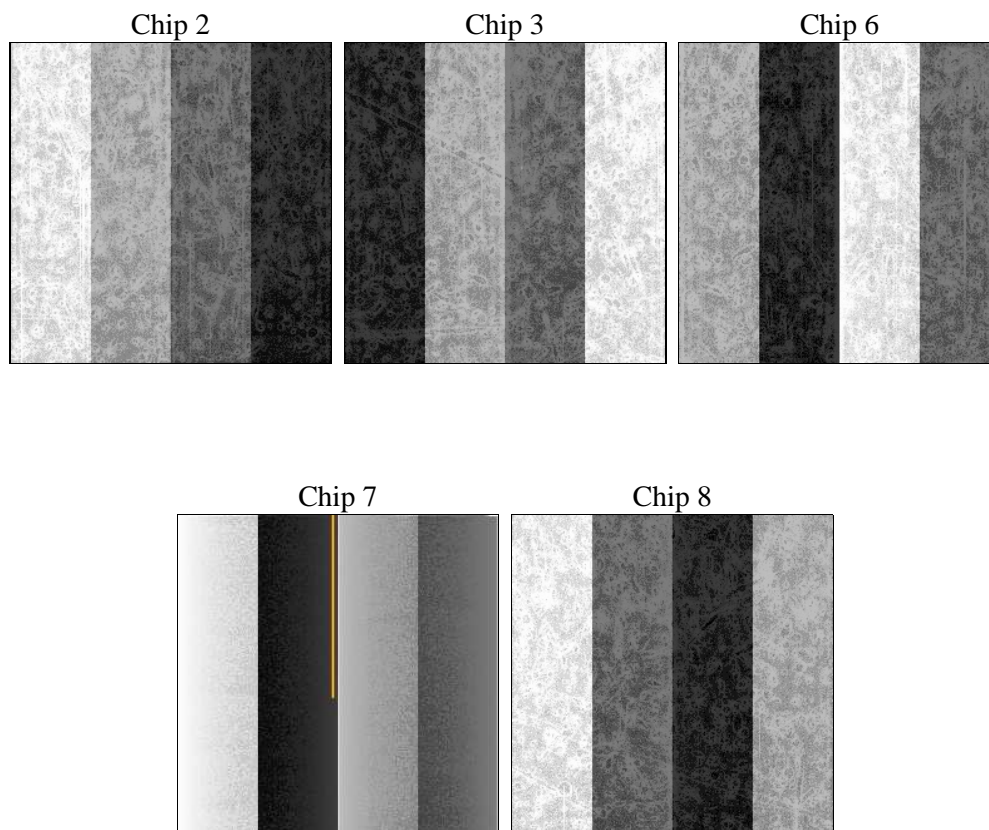
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10177.300078273	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	10177.300078273	Sum of GTIs [s]
date	2012-05-07T17:07:11	Date and time of file creation	ontime3	10177.300078273	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10177.300078273	Sum of GTIs [s]
			ontime7	10177.300078273	Sum of GTIs [s]
			ontime8	10177.300078273	Sum of GTIs [s]
			l1events	443620	Number of level 1 events

2.1.4 Events

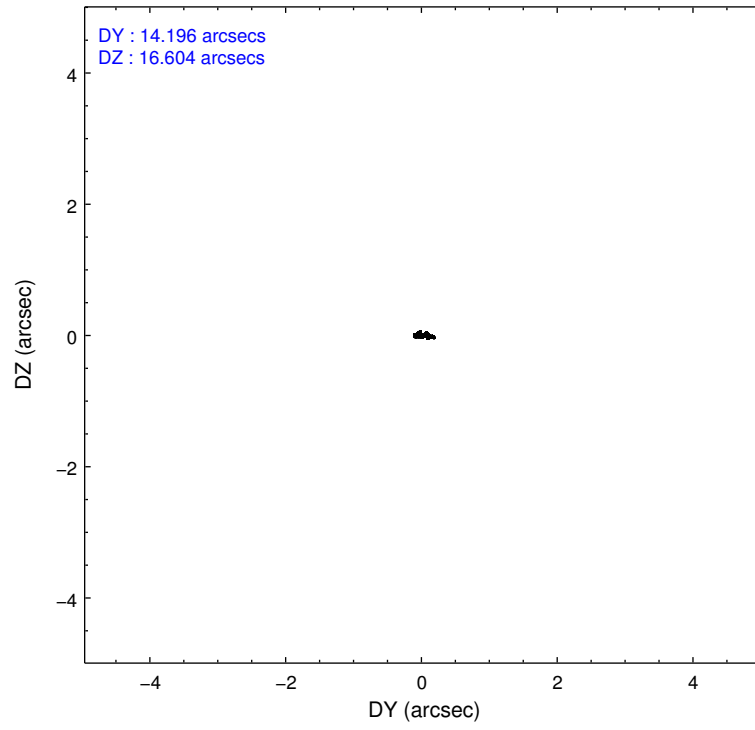
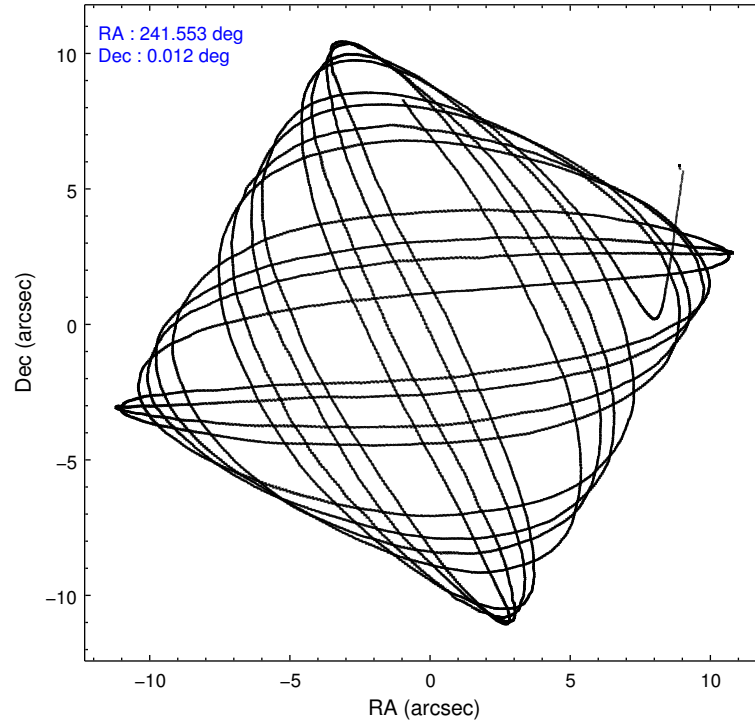
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	84006	80379	83954	91512	103769
rejected events	76006	72645	75407	49600	77433
rejected %	90%	90%	89%	54%	74%

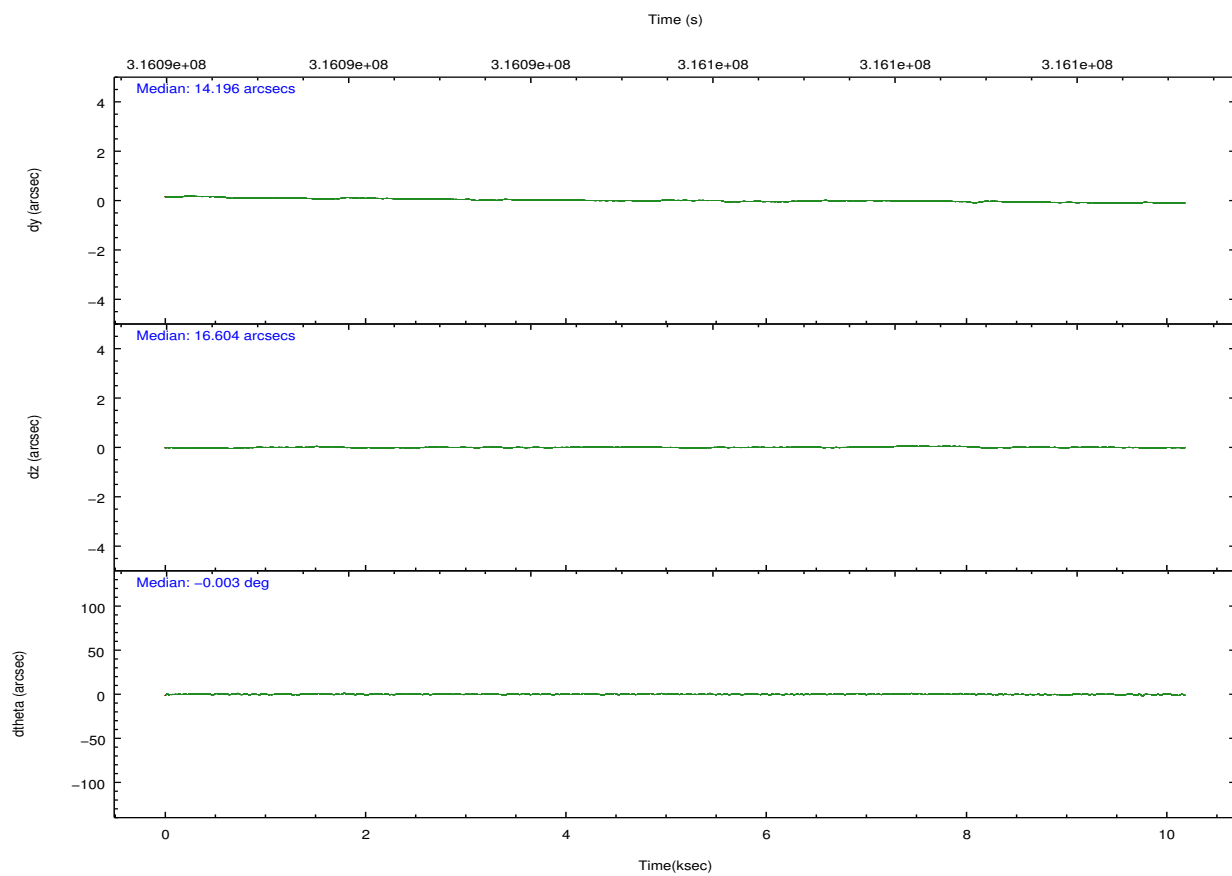
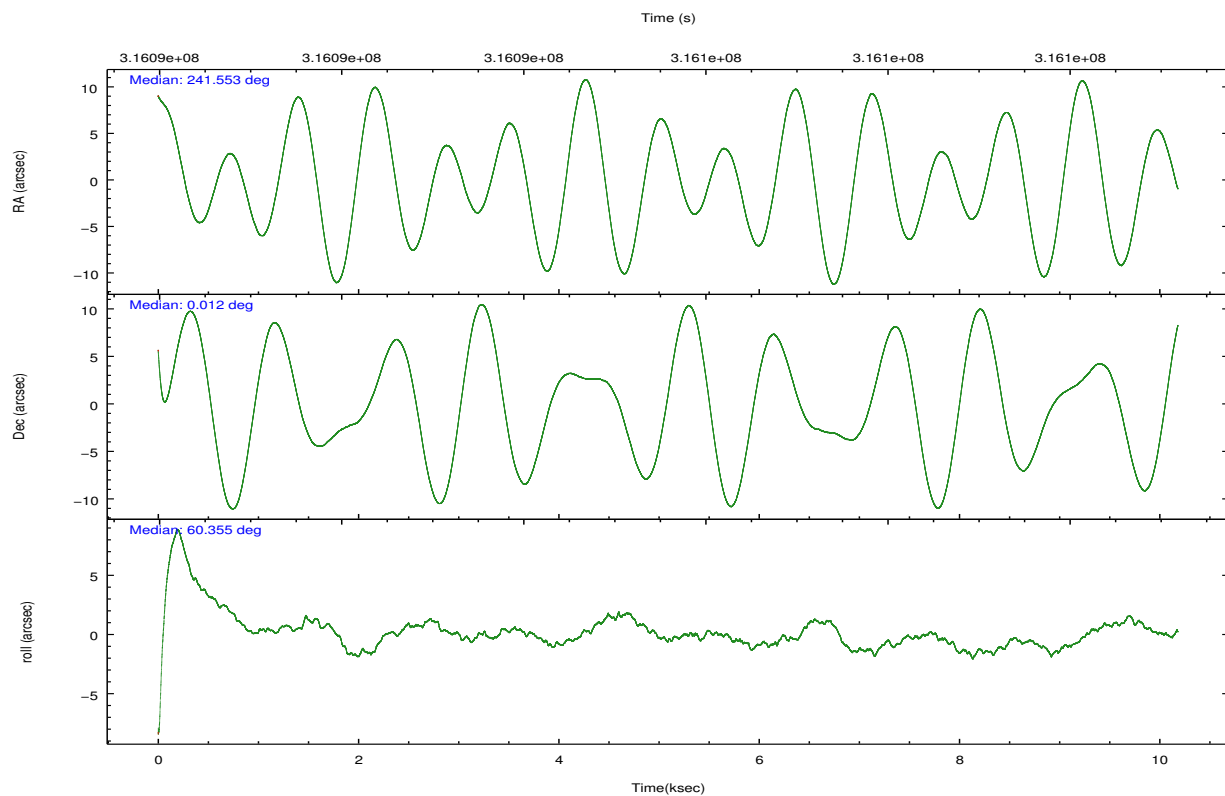
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3052	2856	3062	4228	8212
	3%	3%	3%	4%	7%
grade 1 events	65	54	40	111	103
	0%	0%	0%	0%	0%
grade 2 events	1889	1716	1877	8740	6084
	2%	2%	2%	9%	5%
grade 3 events	800	870	865	3881	2790
	0%	1%	1%	4%	2%
grade 4 events	904	821	956	3901	2612
	1%	1%	1%	4%	2%
grade 5 events	2738	3265	3329	9651	4837
	3%	4%	3%	10%	4%
grade 6 events	1429	1539	1880	21558	6896
	1%	1%	2%	23%	6%
grade 7 events	73129	69258	71945	39442	72235
	87%	86%	85%	43%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	241.553296	241.5527762008516	CCD I2 on	O2	Y
[deg] Pointing Dec	-0.014965	0.01238821083646315	CCD I3 on	O4	Y
[deg] Pointing Roll	60.205236	60.36183923351697	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O3	Y
[s] Observation start time (MET)	316090677.184000	316089630.36735	CCD S5 on	N	N
Observation start date	2008-01-07T10:56:52	2008-01-07T10:40:30	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	316100677.184000	316101313.31792	On-chip summing requested	N	N
Observation end date	2008-01-07T13:43:32	2008-01-07T13:55:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



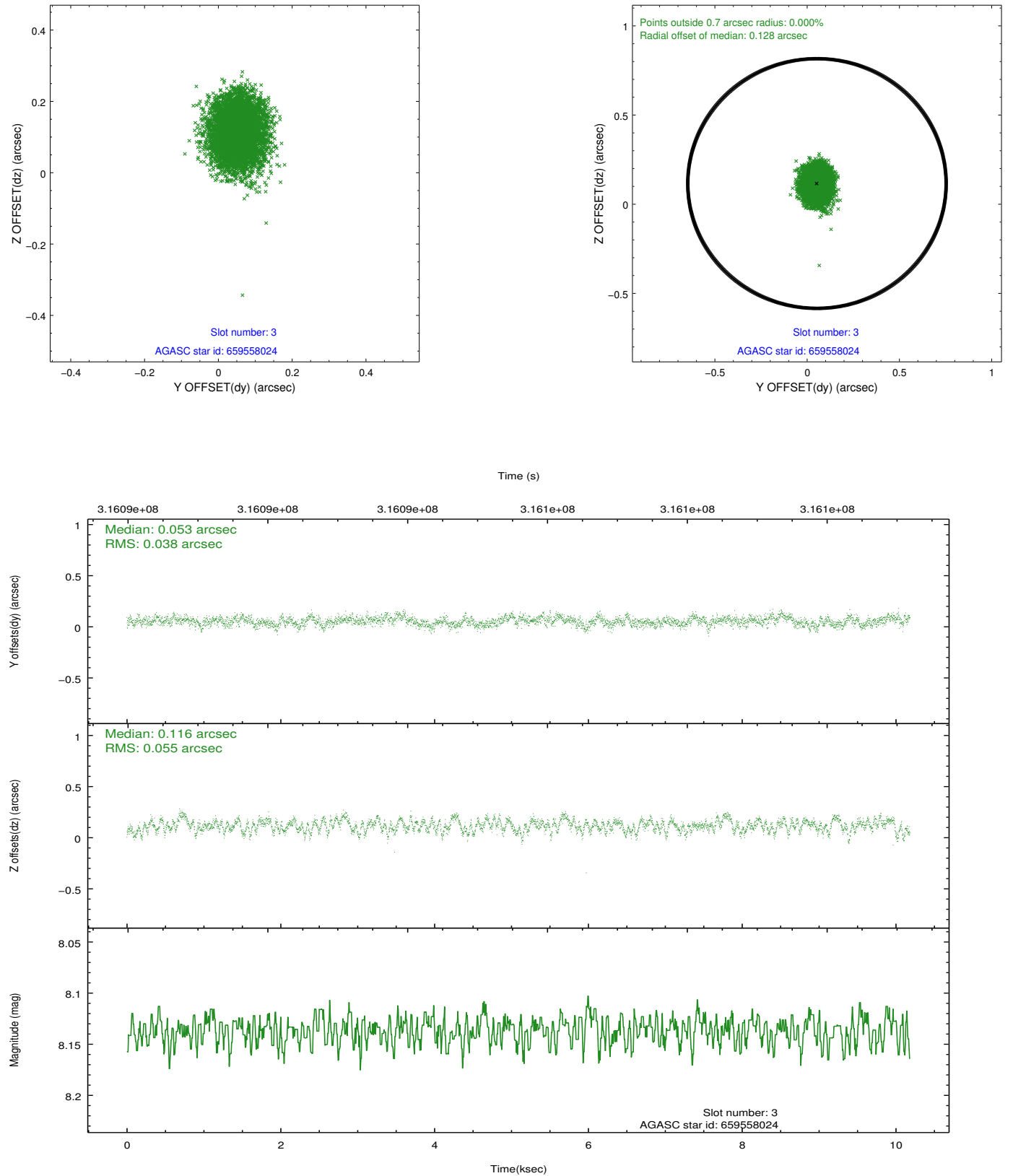


Slot Statistics

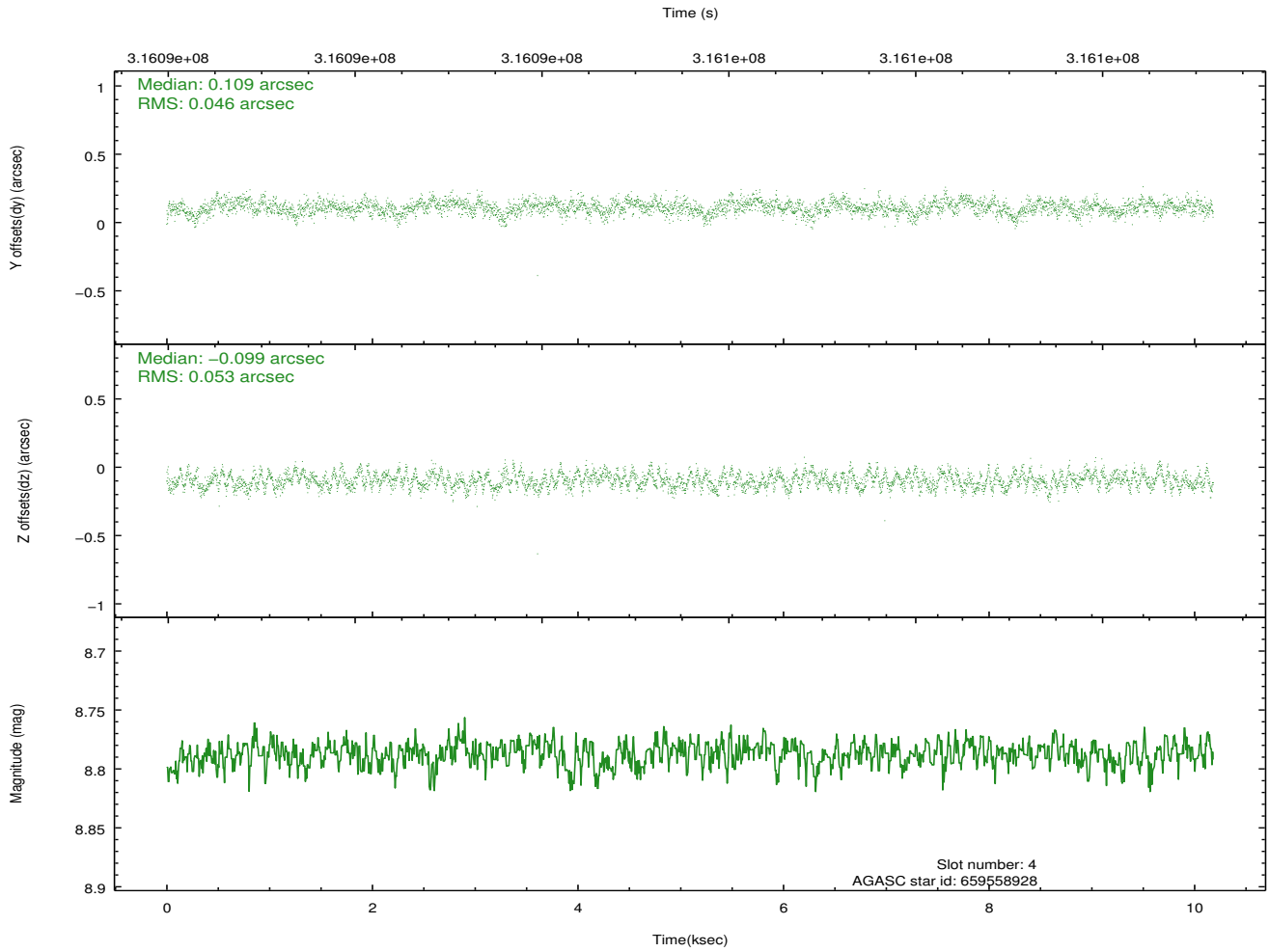
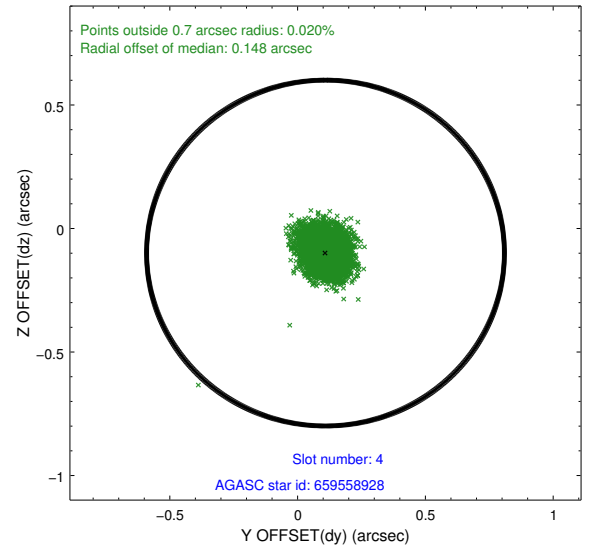
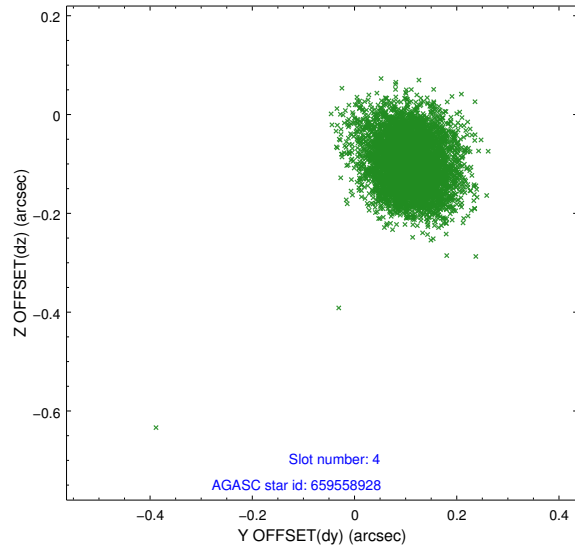
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2484	-0.054	-0.030	0.007	0.012	0.000000	0.000000	-767.23	-1738.00
1	FID	ACIS-S-4	7.18	2484	0.174	0.034	0.006	0.012	0.000000	0.000000	2146.06	169.98
2	FID	ACIS-S-5	7.22	2483	-0.152	0.004	0.007	0.012	0.000000	0.000000	-1819.48	164.26
3	GUIDE	659558024	8.14	4966	0.053	0.116	0.071	0.112	241.586108	-0.195275	-504.42	-424.54
4	GUIDE	659558928	8.79	4967	0.109	-0.099	0.075	0.120	241.312439	-0.104701	-711.14	592.39
5	GUIDE	659561144	9.20	4963	0.073	-0.131	0.081	0.138	241.115844	-0.281180	-1614.29	890.55
6	GUIDE	659689816	7.77	4967	-0.046	0.422	0.076	0.123	242.031873	-0.494264	-641.33	-2351.65
7	GUIDE	47973824	9.54	4956	-0.184	-0.305	0.135	0.221	241.071957	0.418436	492.53	2278.61

2.4 Star Slots

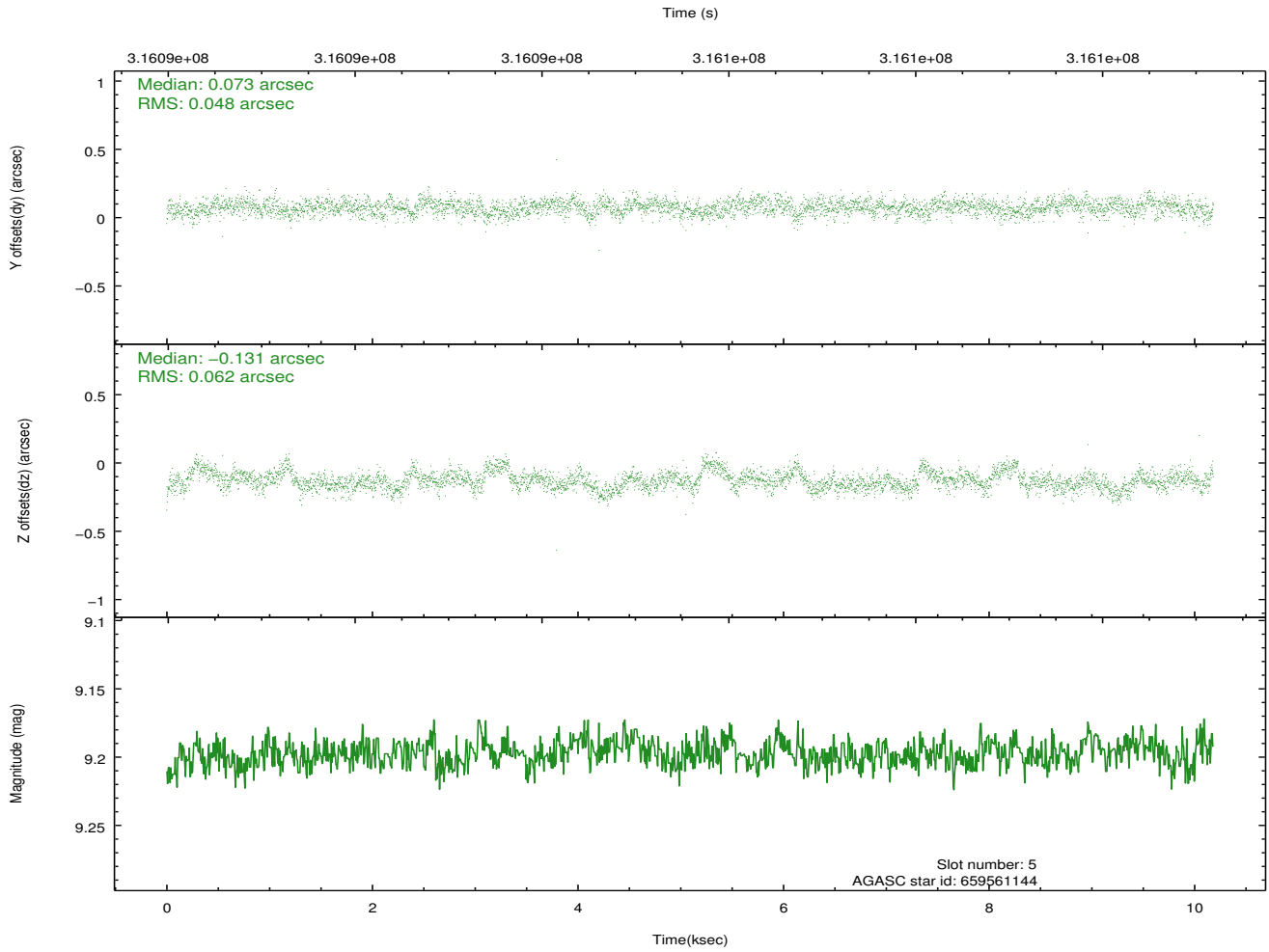
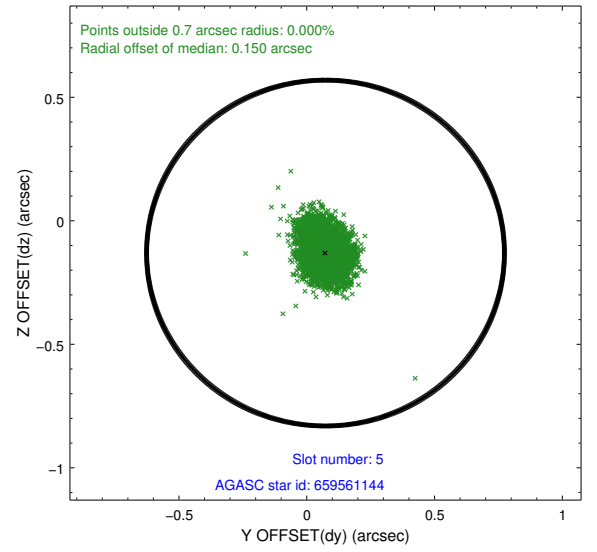
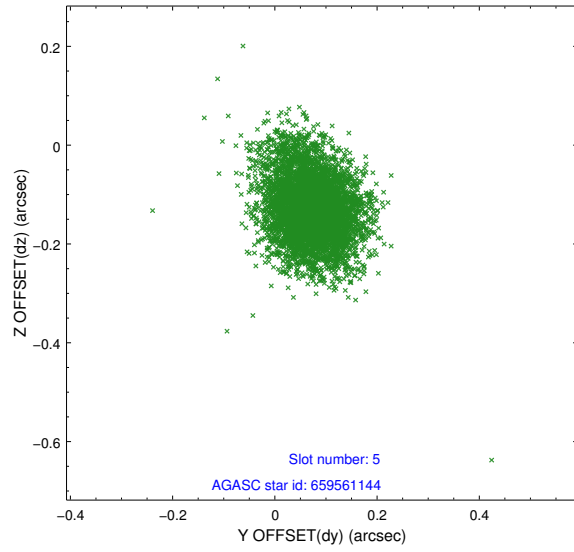
2.4.1 Slot 3



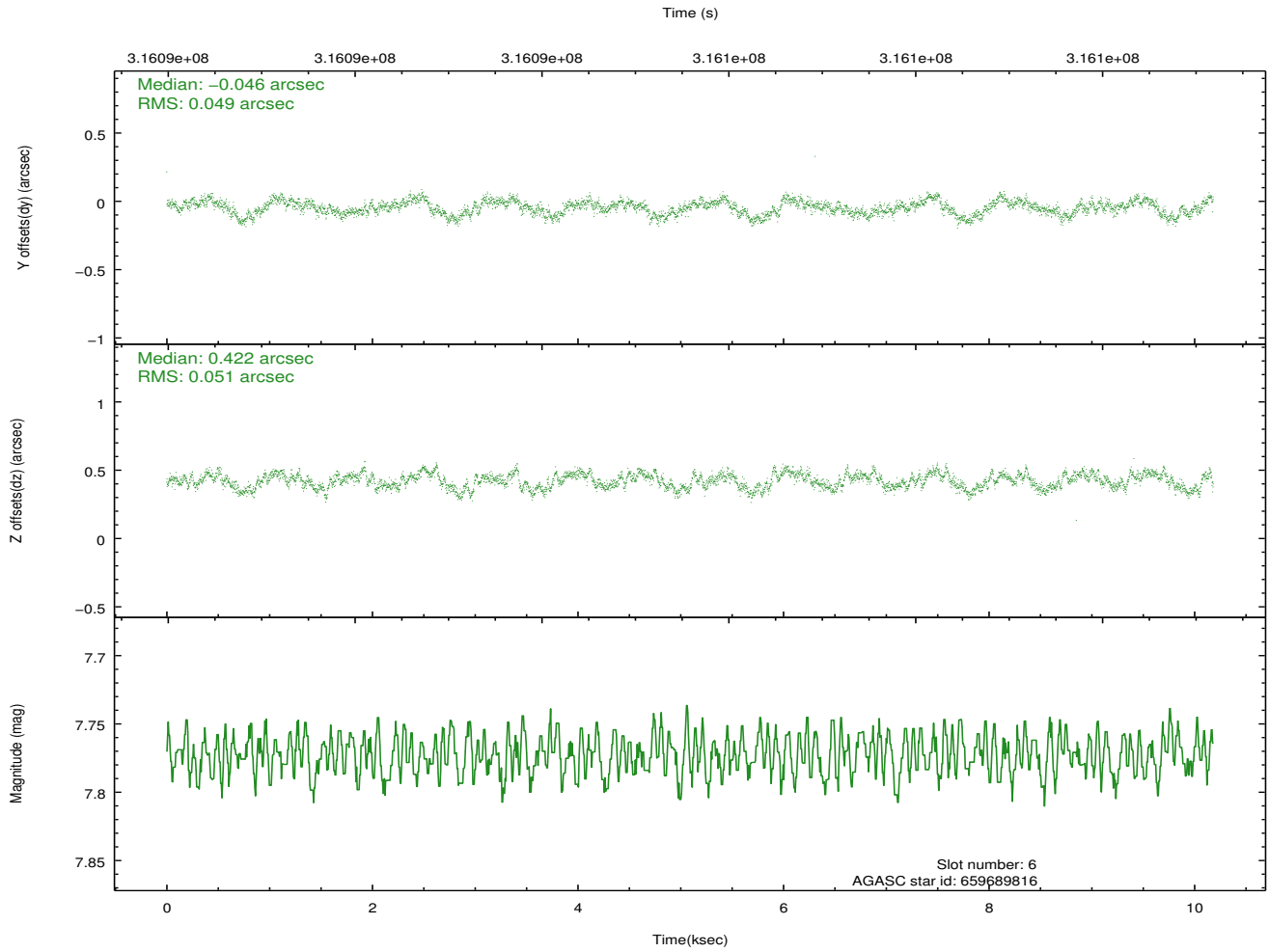
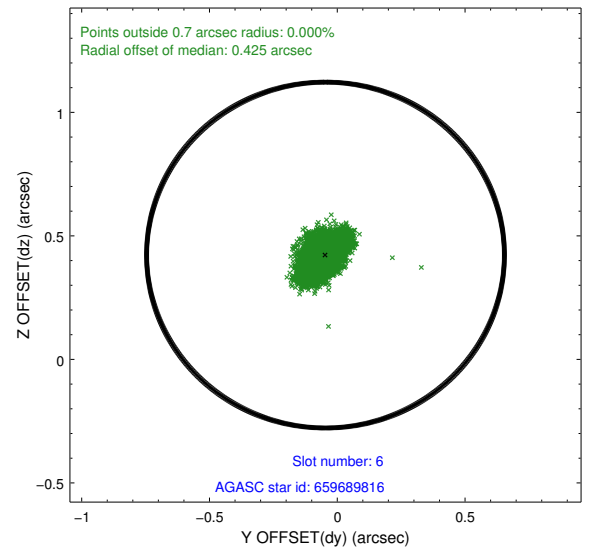
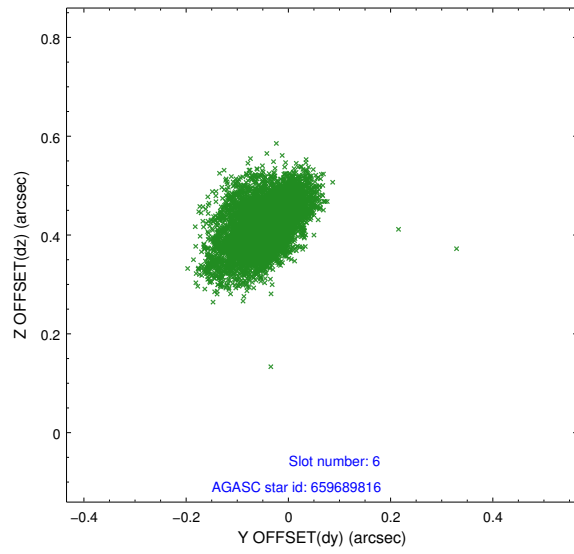
2.4.2 Slot 4



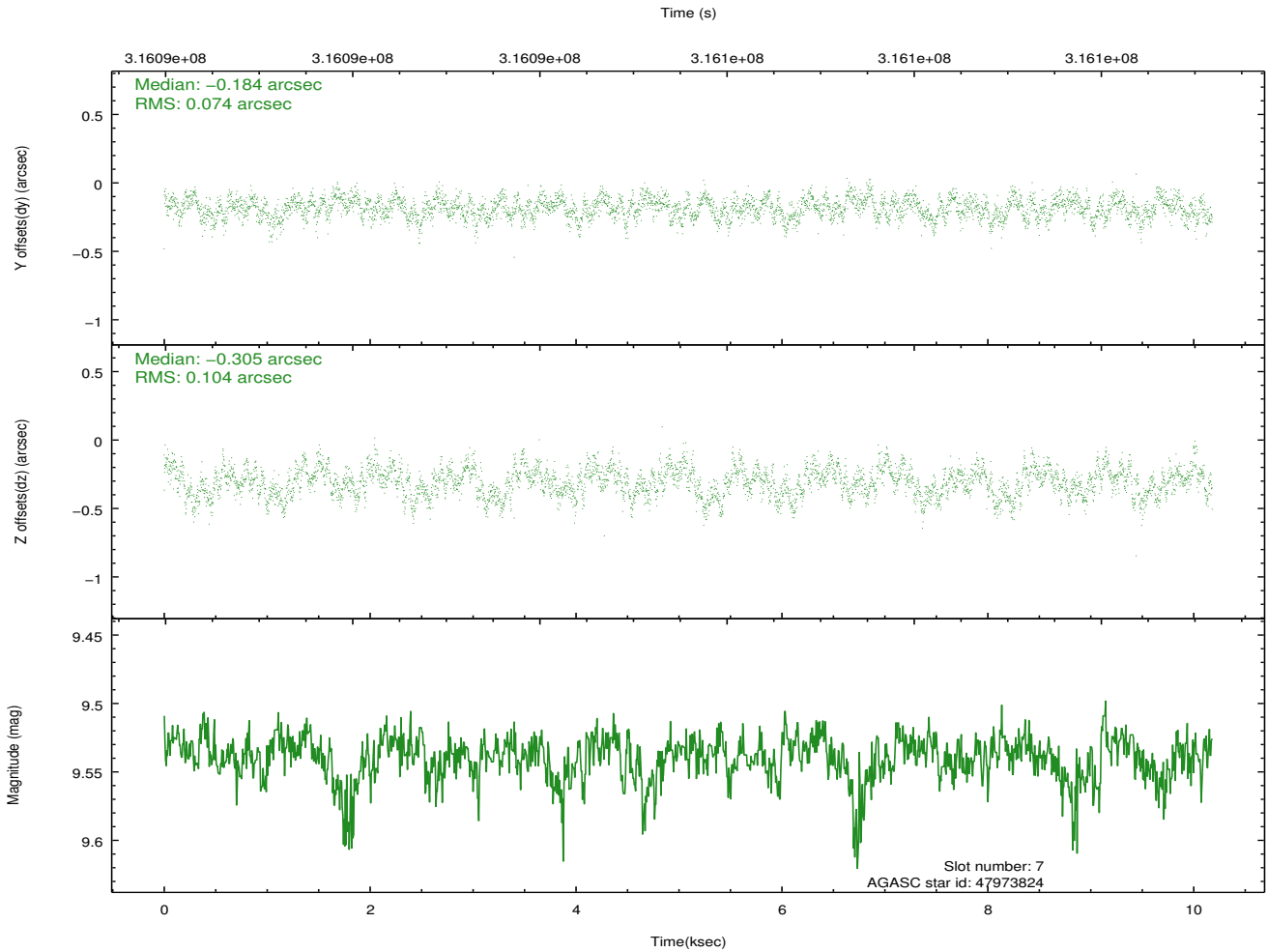
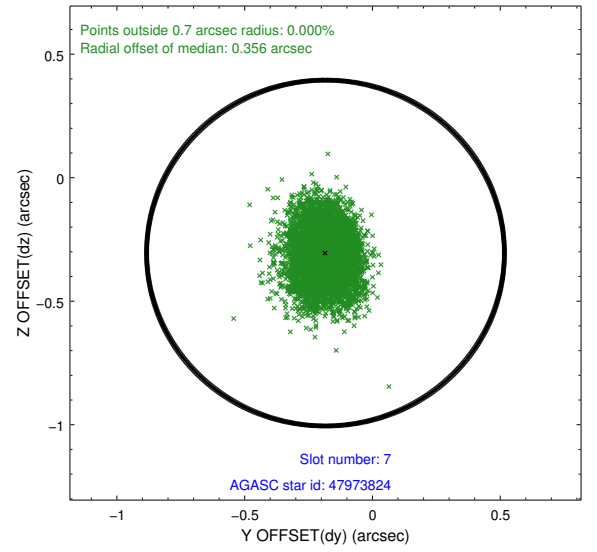
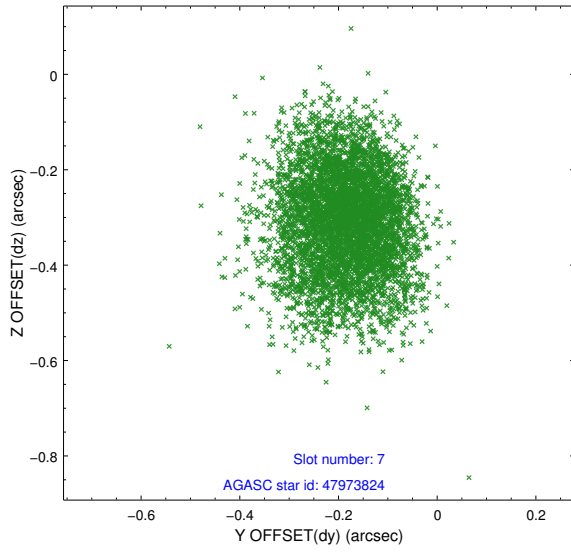
2.4.3 Slot 5



2.4.4 Slot 6

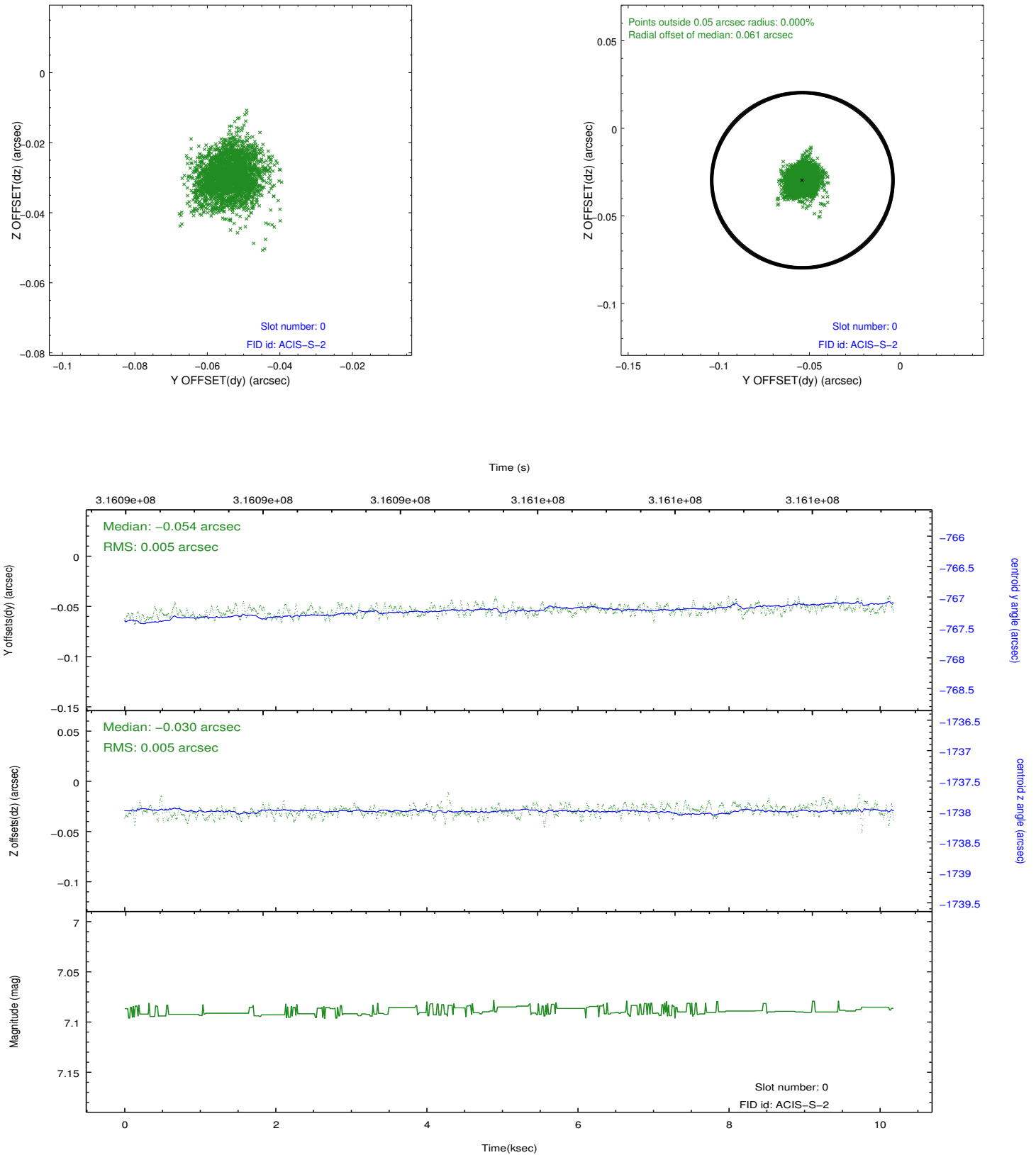


2.4.5 Slot 7

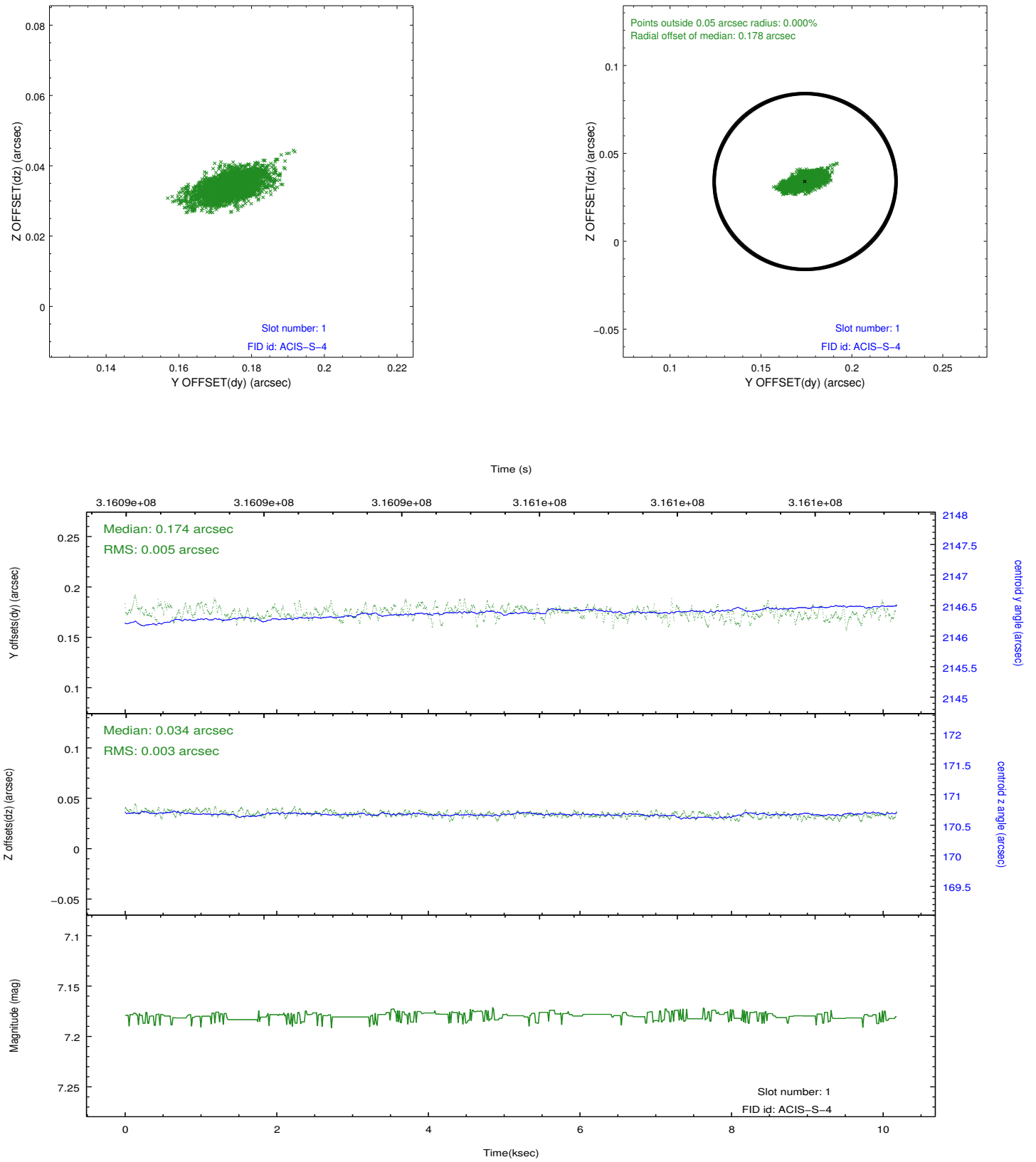


2.5 FID Slots

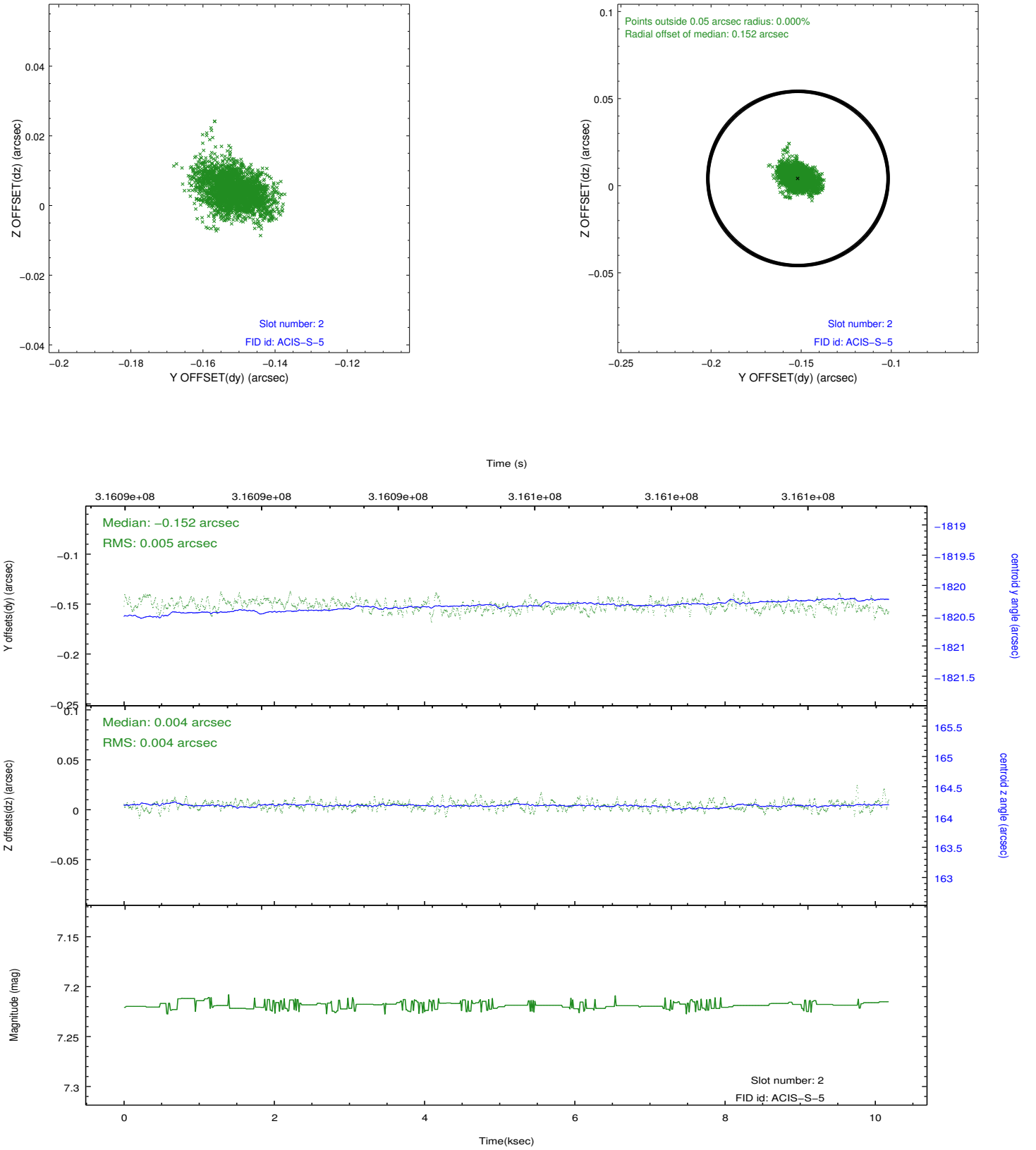
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1773

A.2 Comments