

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6314 - L2 Version 3
Chandra X-Ray Center

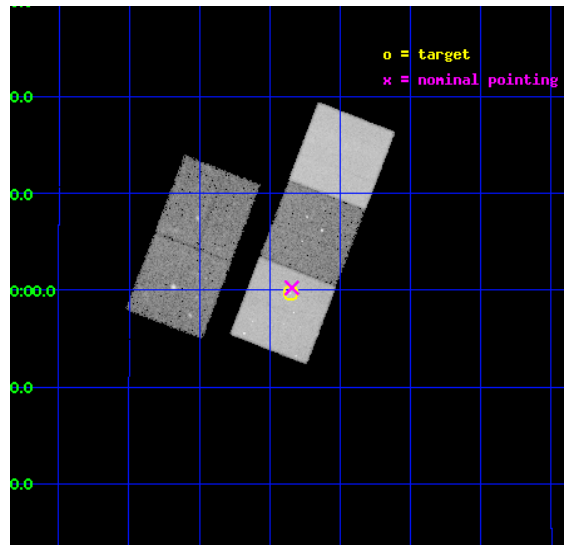
L2 Processing Date : Dec 25 2012

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1 Front

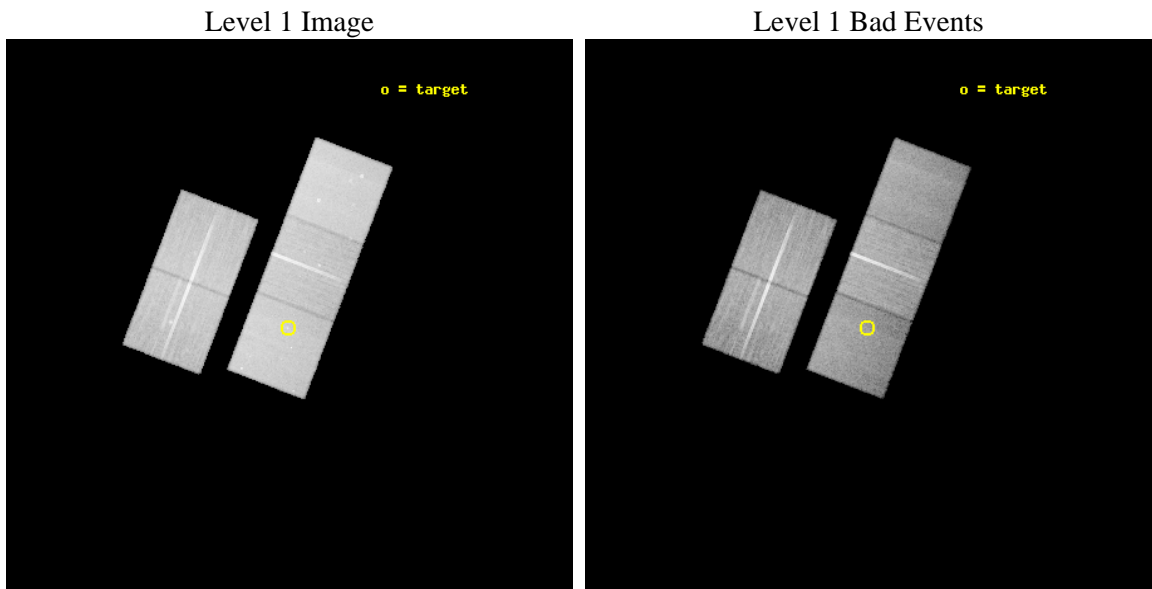
seq_num	701114	Sequence number
obs_id	6314	Observation id
title	The X-ray Jet of the X-ray faint supermassive nuclear black hole in NGC 821	Proposal title
observer	Dr. Giuseppina Fabbiano	Principal investigator
object	NGC821	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	32.0875	Observer's specified target RA [deg]
dec_targ	10.99475	Observer's specified target Dec [deg]
ra_nom	32.085614197624	Nominal RA [deg]
dec_nom	11.004255072564	Nominal Dec [deg]
roll_nom	111.05698163567	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40129.499922812	Sum of GTIs [s]
livetime	39605.178463412	Livetime [s]
ontime2	40123.217992306	Sum of GTIs [s]
ontime3	40120.076982141	Sum of GTIs [s]
ontime5	40129.499922812	Sum of GTIs [s]
ontime6	40120.077002138	Sum of GTIs [s]
ontime7	40129.499922812	Sum of GTIs [s]
l2events	352386	Number of level 2 events



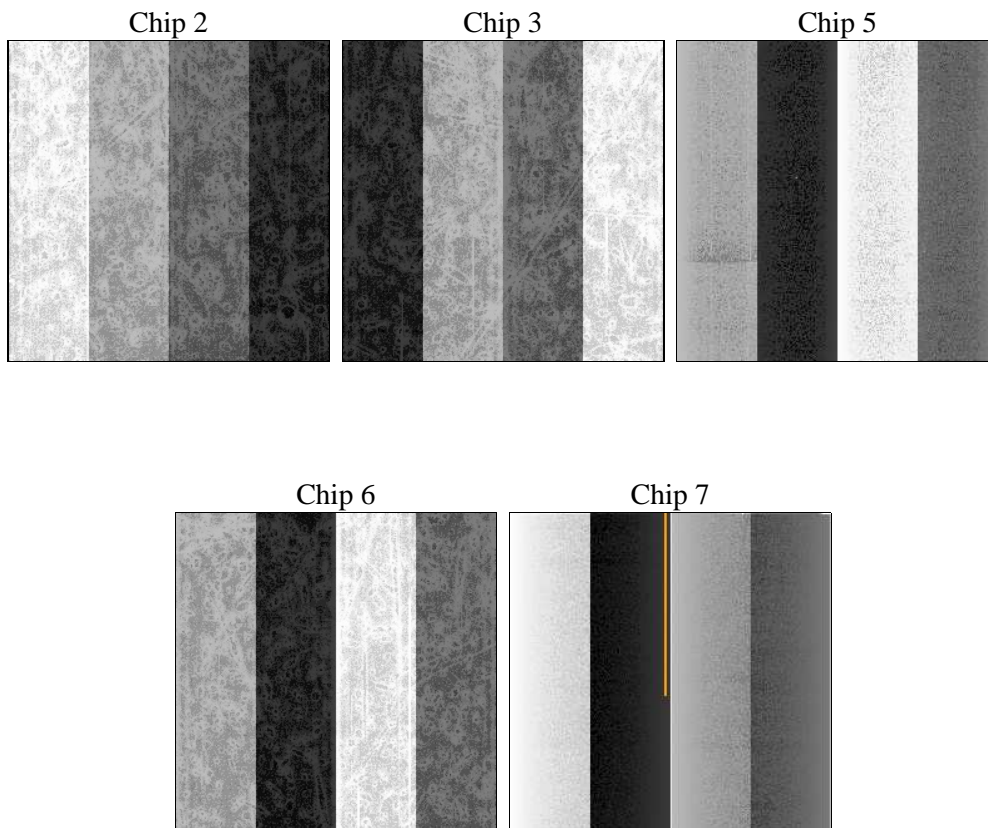
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	40129.499922812	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	40123.217992306	Sum of GTIs [s]
date	2012-12-25T06:35:52	Date and time of file creation	ontime3	40120.076982141	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	40129.499922812	Sum of GTIs [s]
			ontime6	40120.077002138	Sum of GTIs [s]
			ontime7	40129.499922812	Sum of GTIs [s]
			l1events	1421021	Number of level 1 events

2.1.4 Events

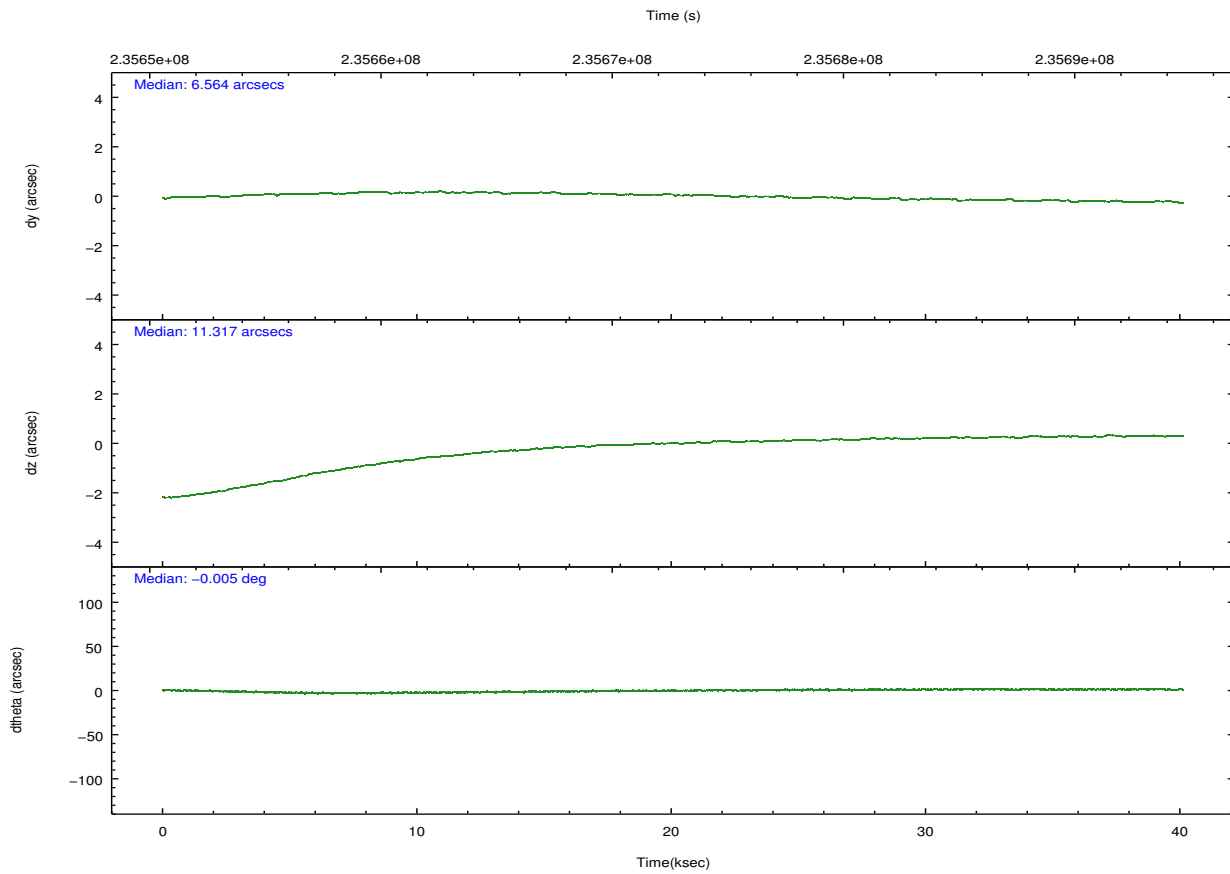
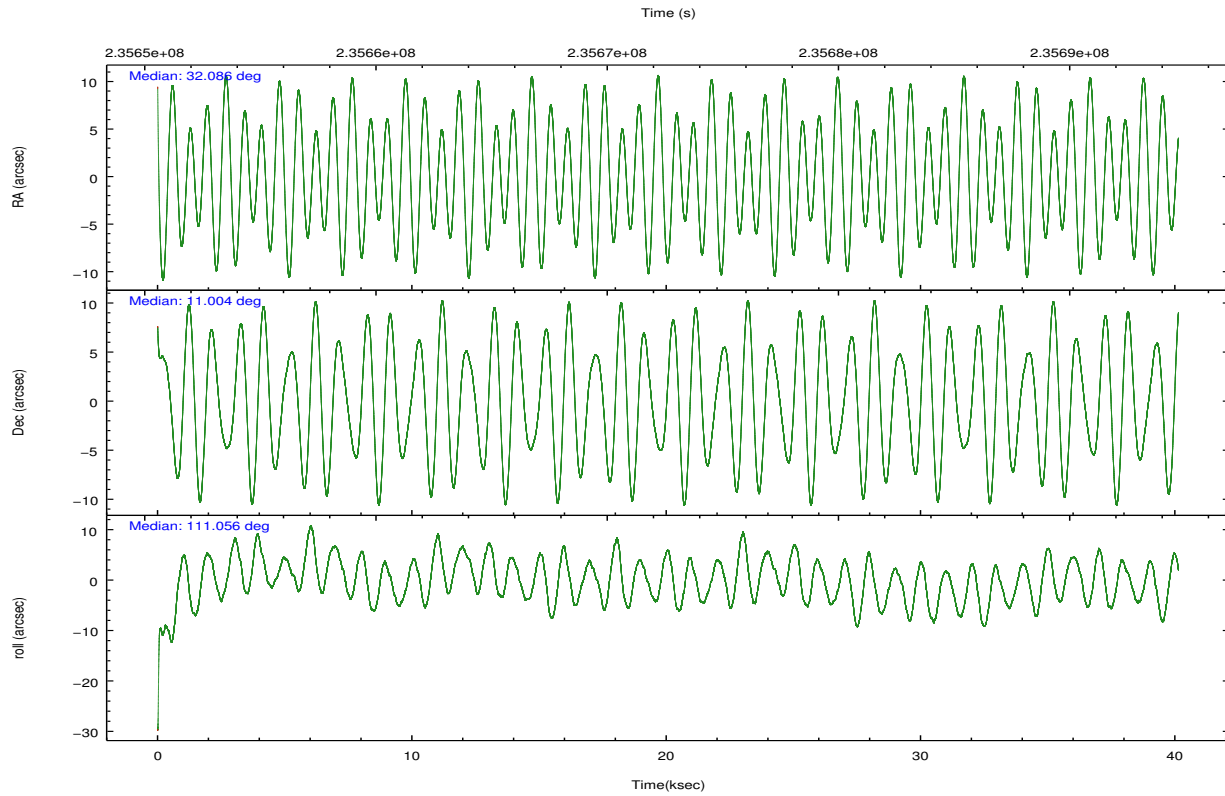
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	263760	252847	348636	266303	289475
rejected events	238717	228107	181199	239665	159772
rejected %	90%	90%	51%	89%	55%

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	9141	9205	12777	9434	11596
	3%	3%	3%	3%	4%
grade 1 events	124	143	400	119	240
	0%	0%	0%	0%	0%
grade 2 events	5893	5203	49970	5859	26375
	2%	2%	14%	2%	9%
grade 3 events	2789	2815	7796	2950	12542
	1%	1%	2%	1%	4%
grade 4 events	2751	2846	7510	3024	12055
	1%	1%	2%	1%	4%
grade 5 events	8403	10292	28382	10662	30630
	3%	4%	8%	4%	10%
grade 6 events	4714	4864	90900	5592	68288
	1%	1%	26%	2%	23%
grade 7 events	229945	217479	150901	228663	127749
	87%	86%	43%	85%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	32.107433	32.08561419762442	Subarray requested	NONE	NONE
[deg] Pointing Dec	10.987414	11.00425507256388	Alternating exposures requested	N	N
[deg] Pointing Roll	110.896198	111.0569816356679	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	235652703.184000	235651553.86781			
Observation start date	2005-06-20T11:03:59	2005-06-20T10:45:53			
[s] Observation end time (MET)	235692703.184000	235693634.21973			
Observation end date	2005-06-20T22:10:39	2005-06-20T22:27:14			
Read mode	TIMED	TIMED			

2.3 Aspect

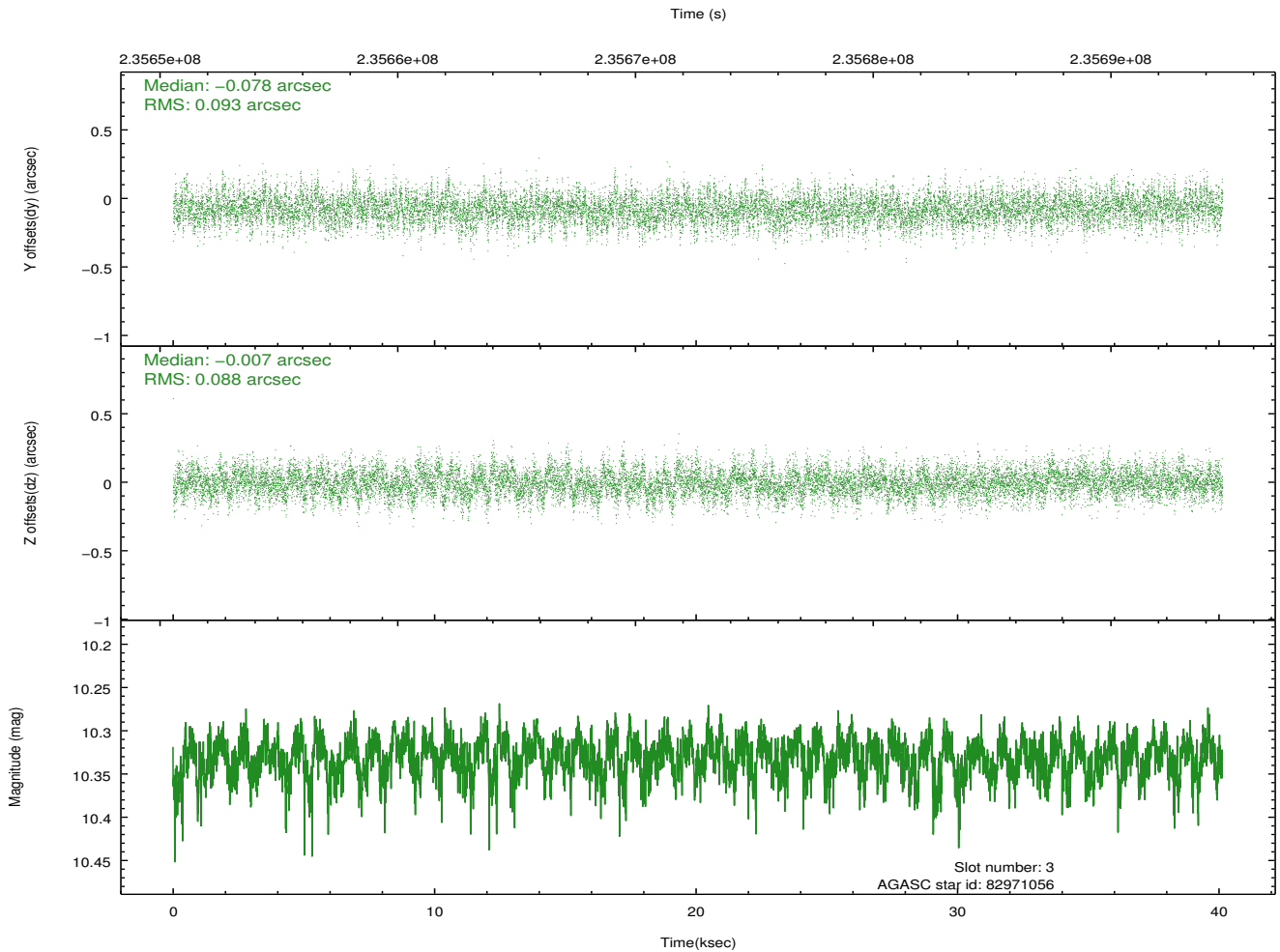
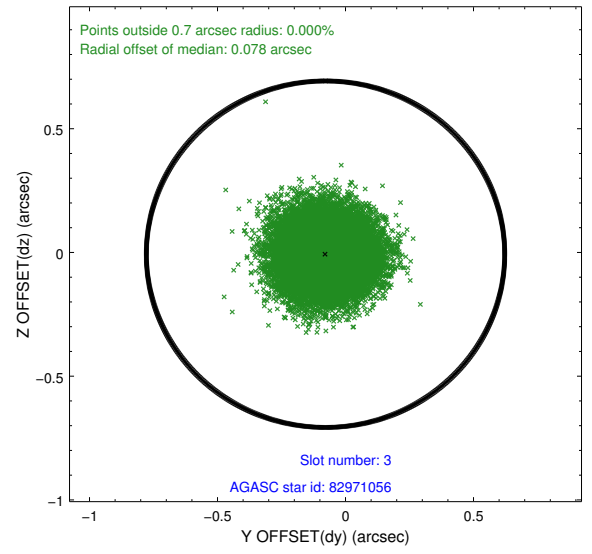
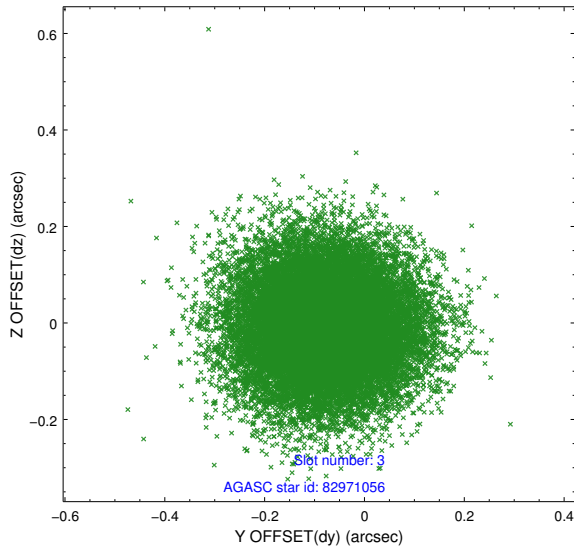


Slot Statistics

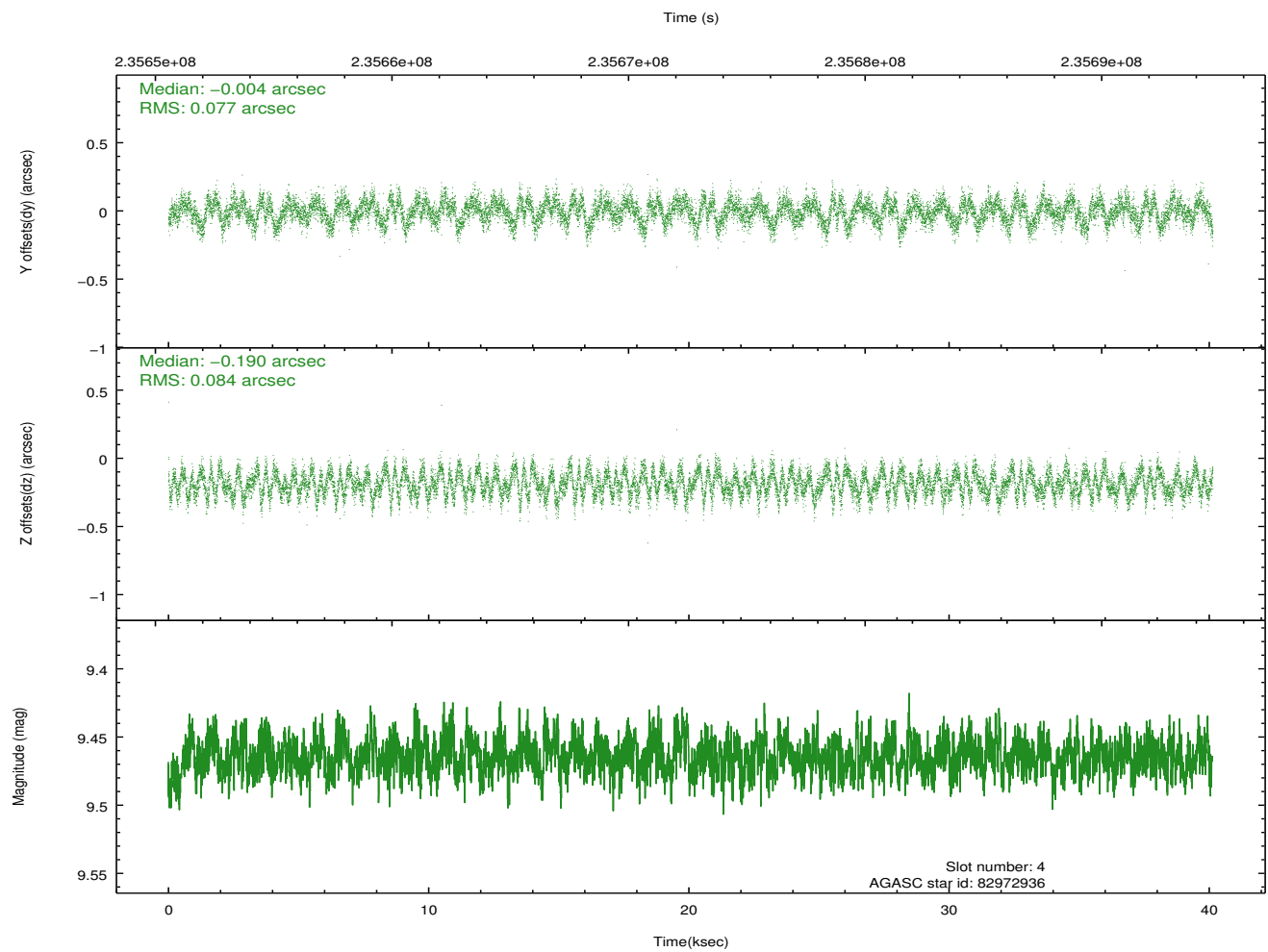
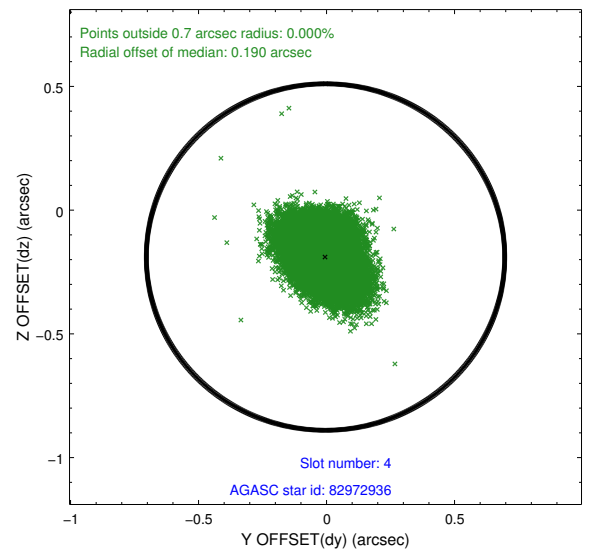
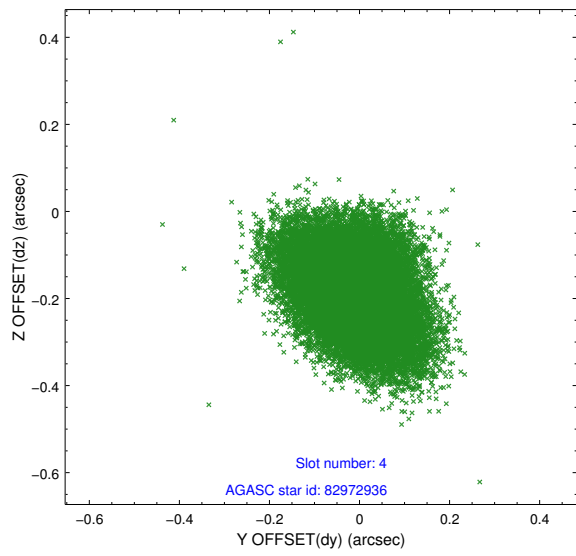
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	9790	0.004	-0.080	0.022	0.070	0.000000	0.000000	936.73	-1727.93
1	FID	ACIS-S-4	7.20	9790	0.057	0.058	0.016	0.051	0.000000	0.000000	2154.21	176.33
2	FID	ACIS-S-5	7.23	9790	-0.085	0.034	0.017	0.025	0.000000	0.000000	-1812.20	169.94
3	GUIDE	82971056	10.33	19561	-0.078	-0.007	0.136	0.220	31.381677	11.249277	1797.72	2056.73
4	GUIDE	82972936	9.46	19561	-0.004	-0.190	0.122	0.196	31.880349	11.323150	1415.56	317.68
5	GUIDE	82976088	10.27	19552	0.152	-0.163	0.261	0.407	31.548572	10.635312	-476.97	2298.33
6	GUIDE	82976744	9.49	19561	0.156	0.089	0.108	0.174	32.095784	10.602457	-1279.68	533.11
7	GUIDE	82974960	9.84	19555	-0.239	0.276	0.160	0.256	31.911636	11.621581	2379.09	-168.98

2.4 Star Slots

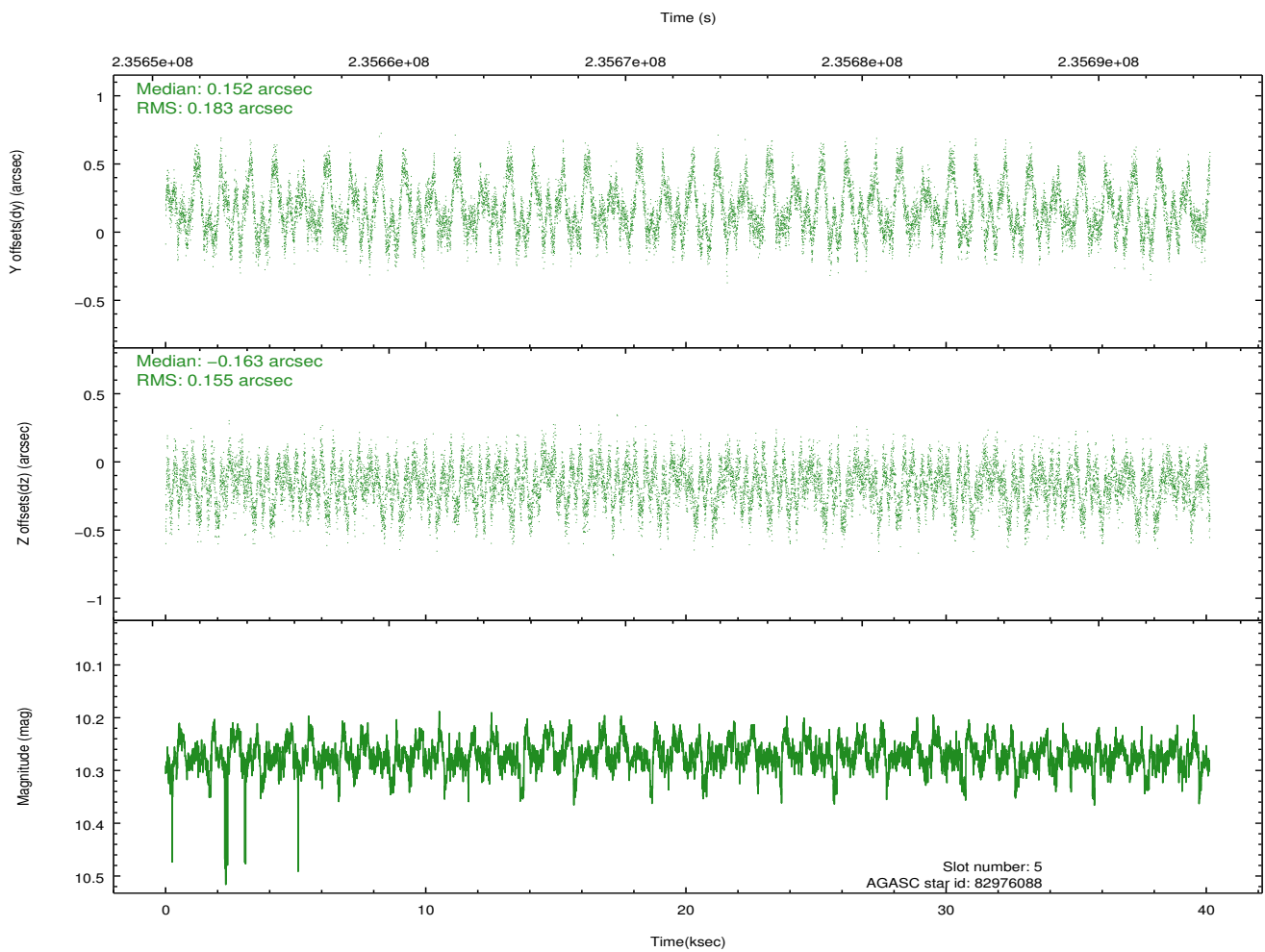
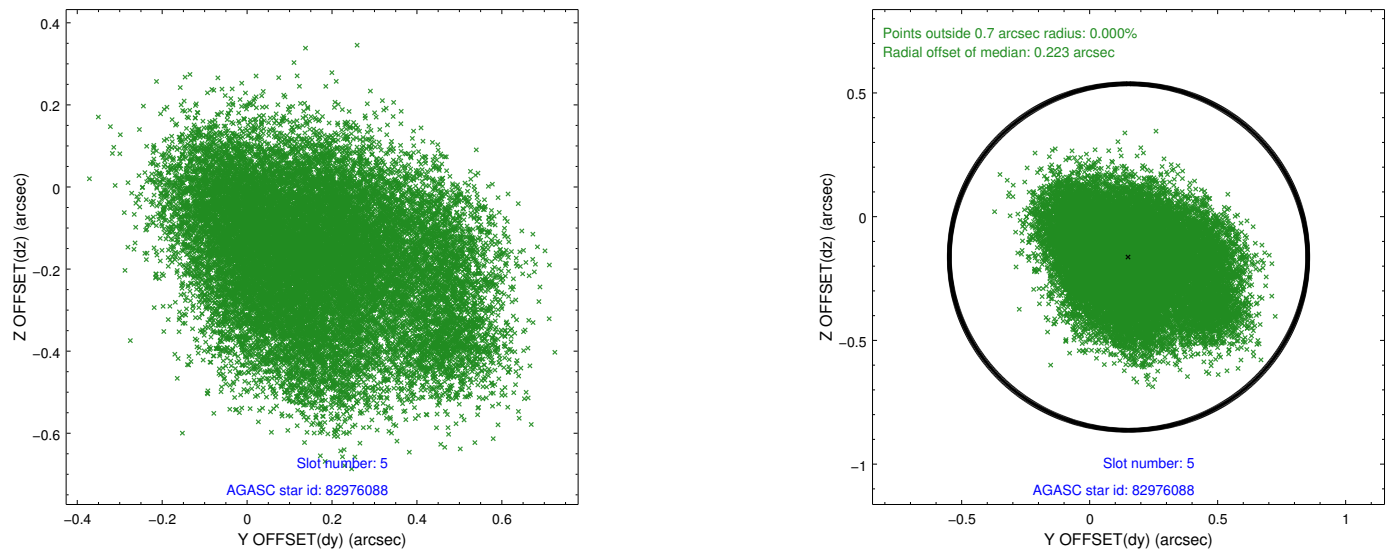
2.4.1 Slot 3



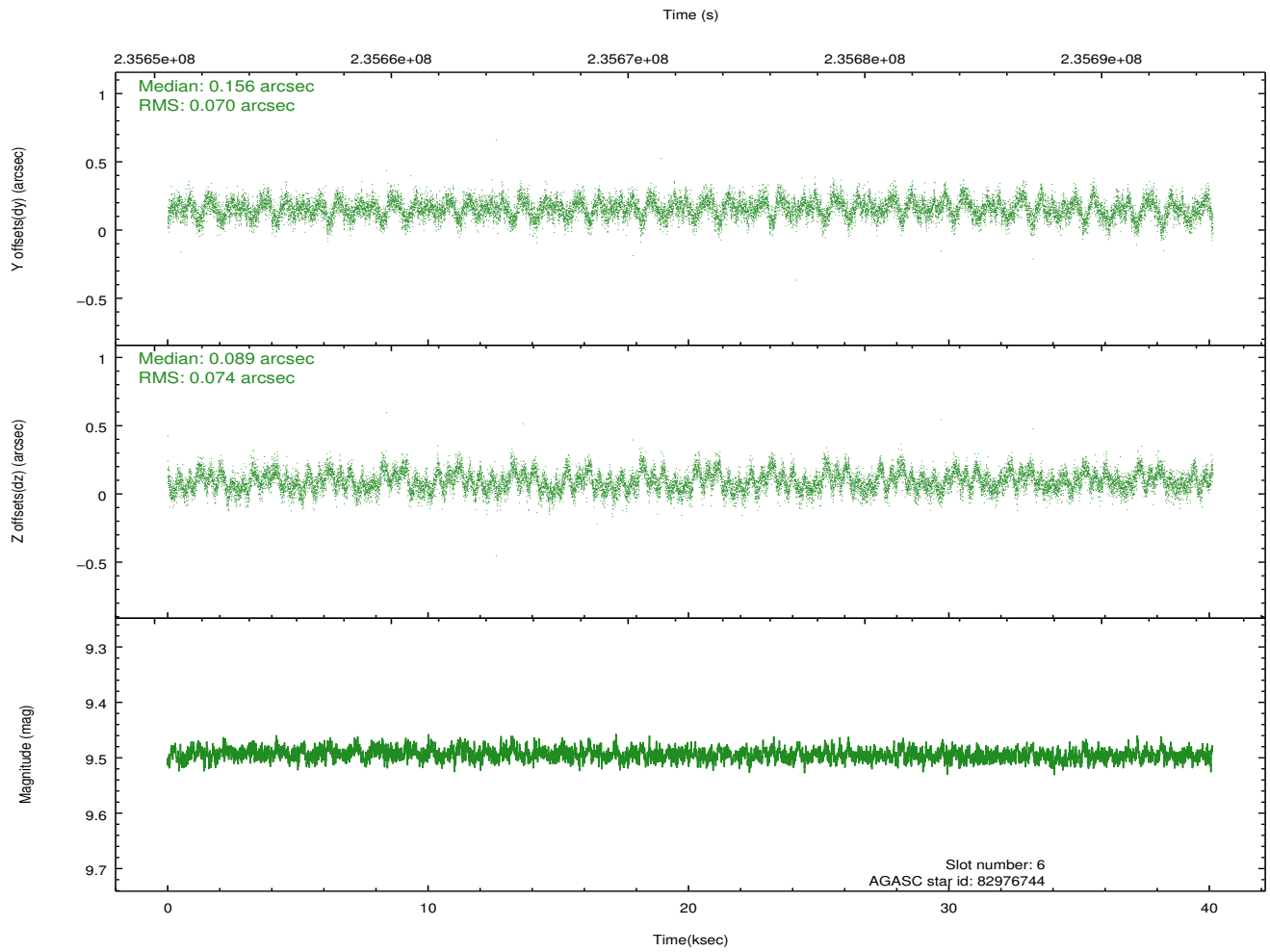
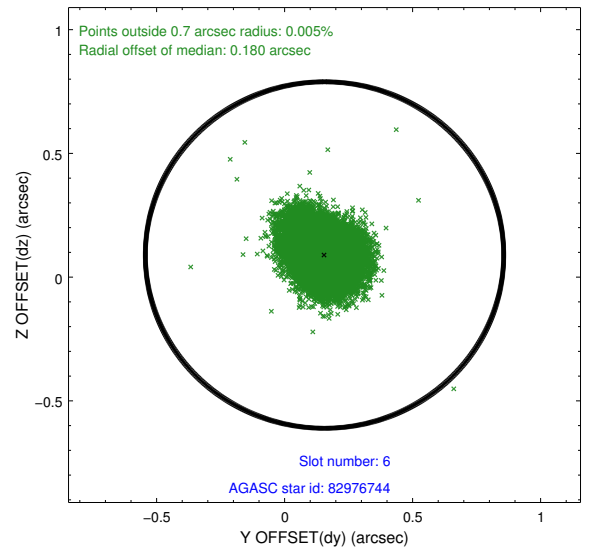
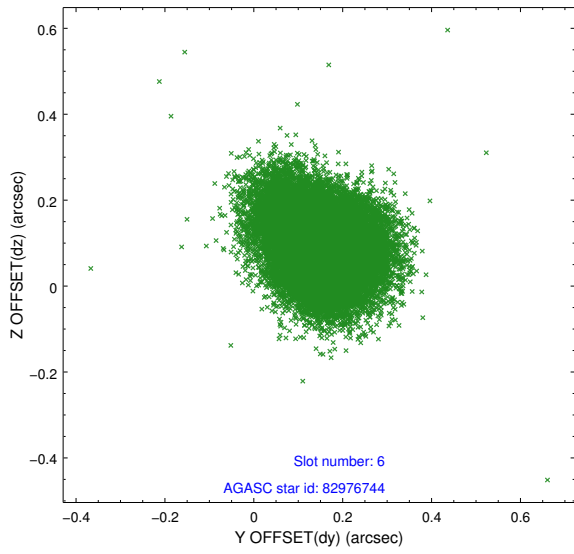
2.4.2 Slot 4



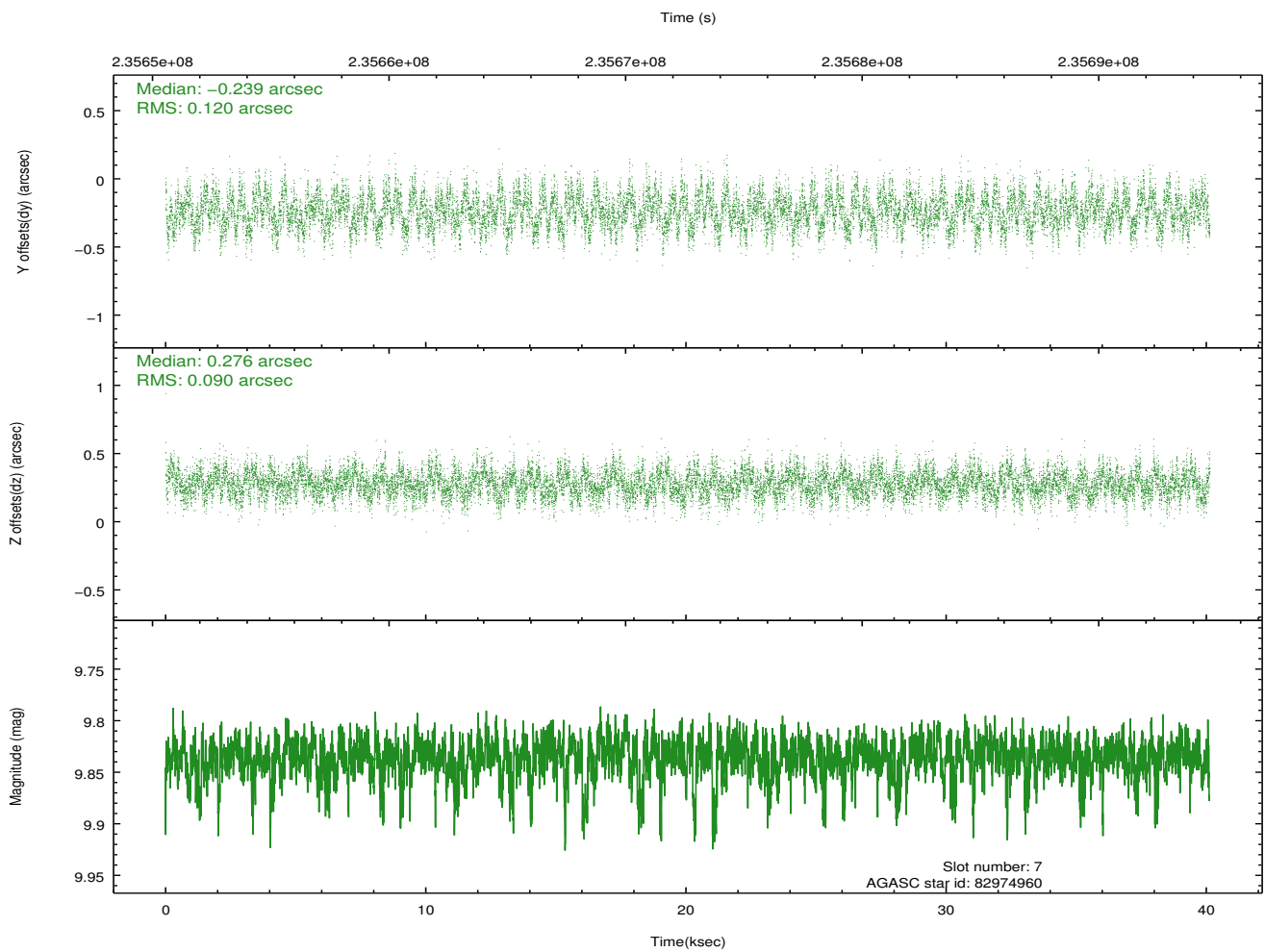
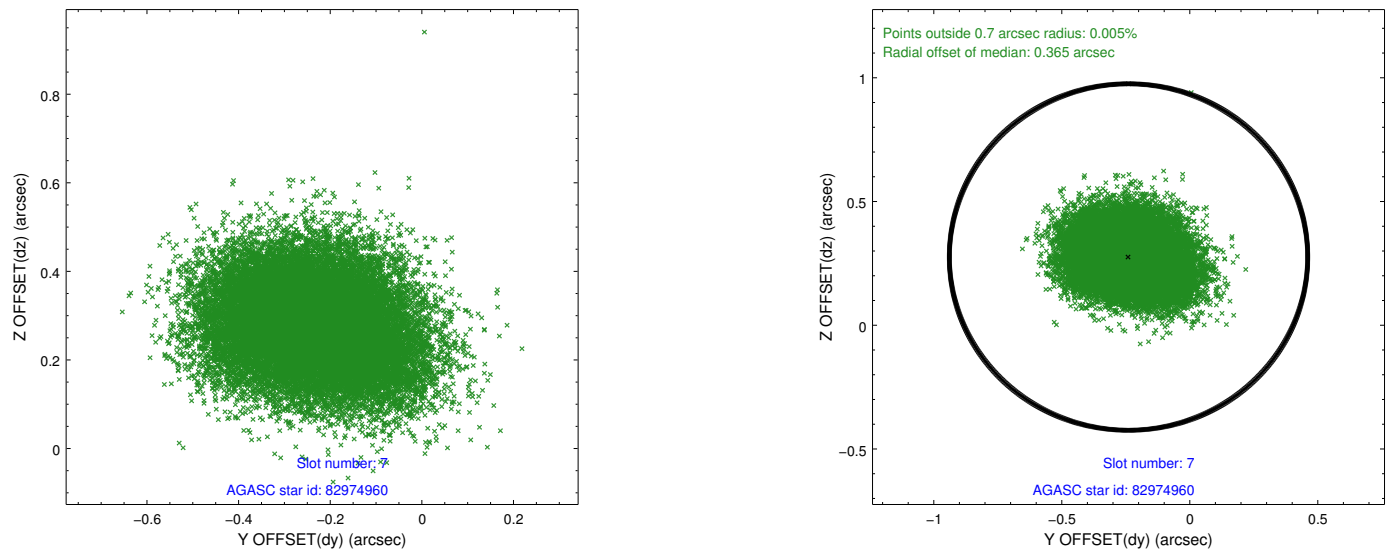
2.4.3 Slot 5



2.4.4 Slot 6

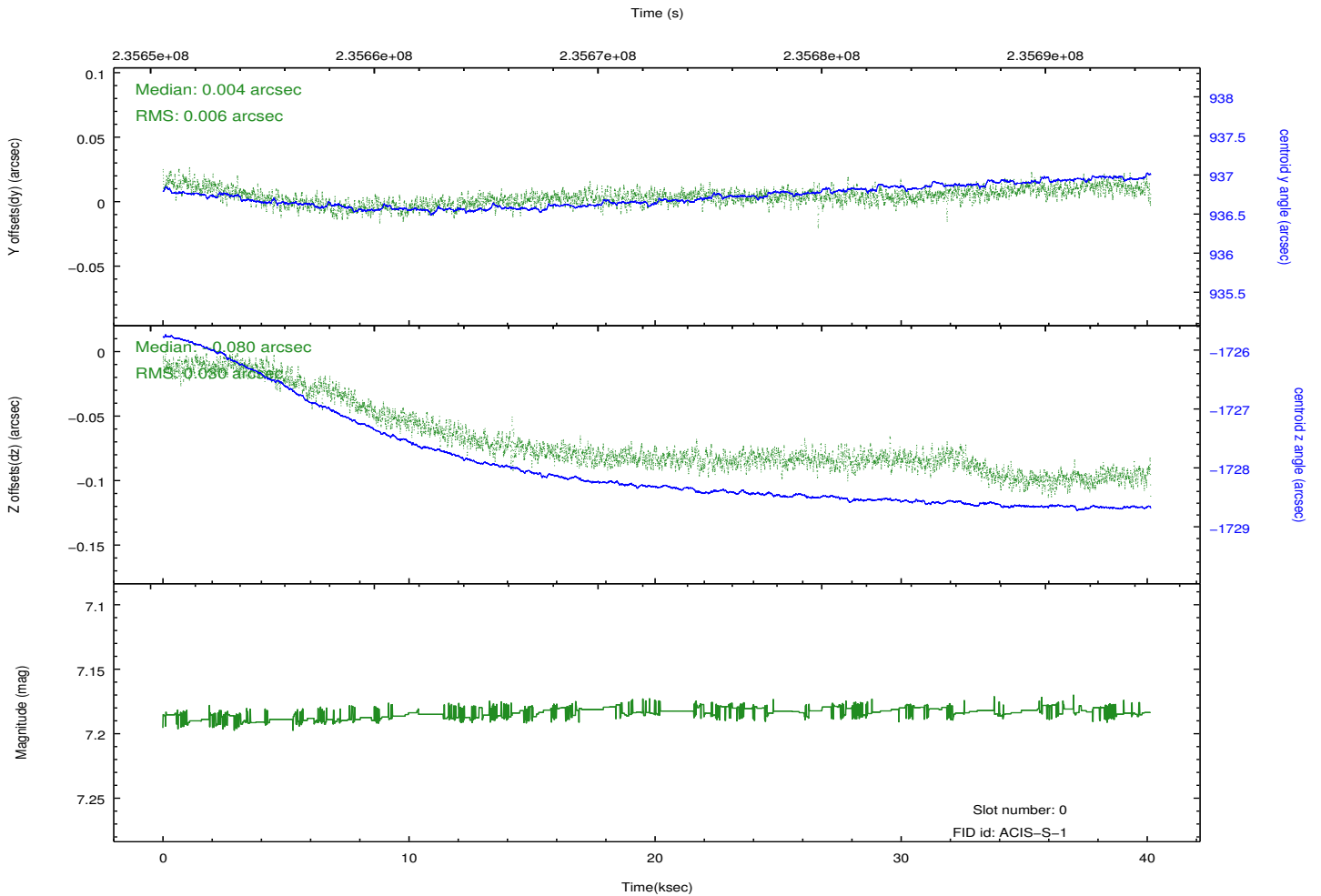
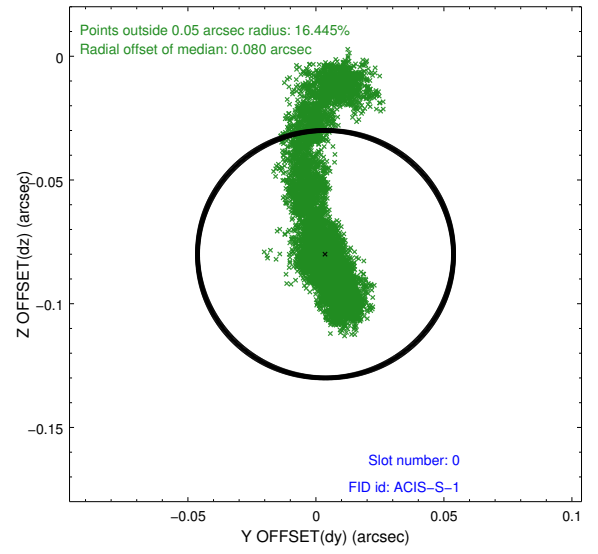
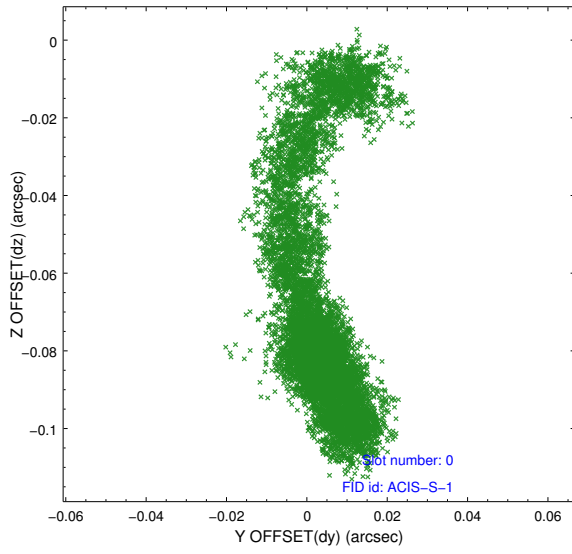


2.4.5 Slot 7

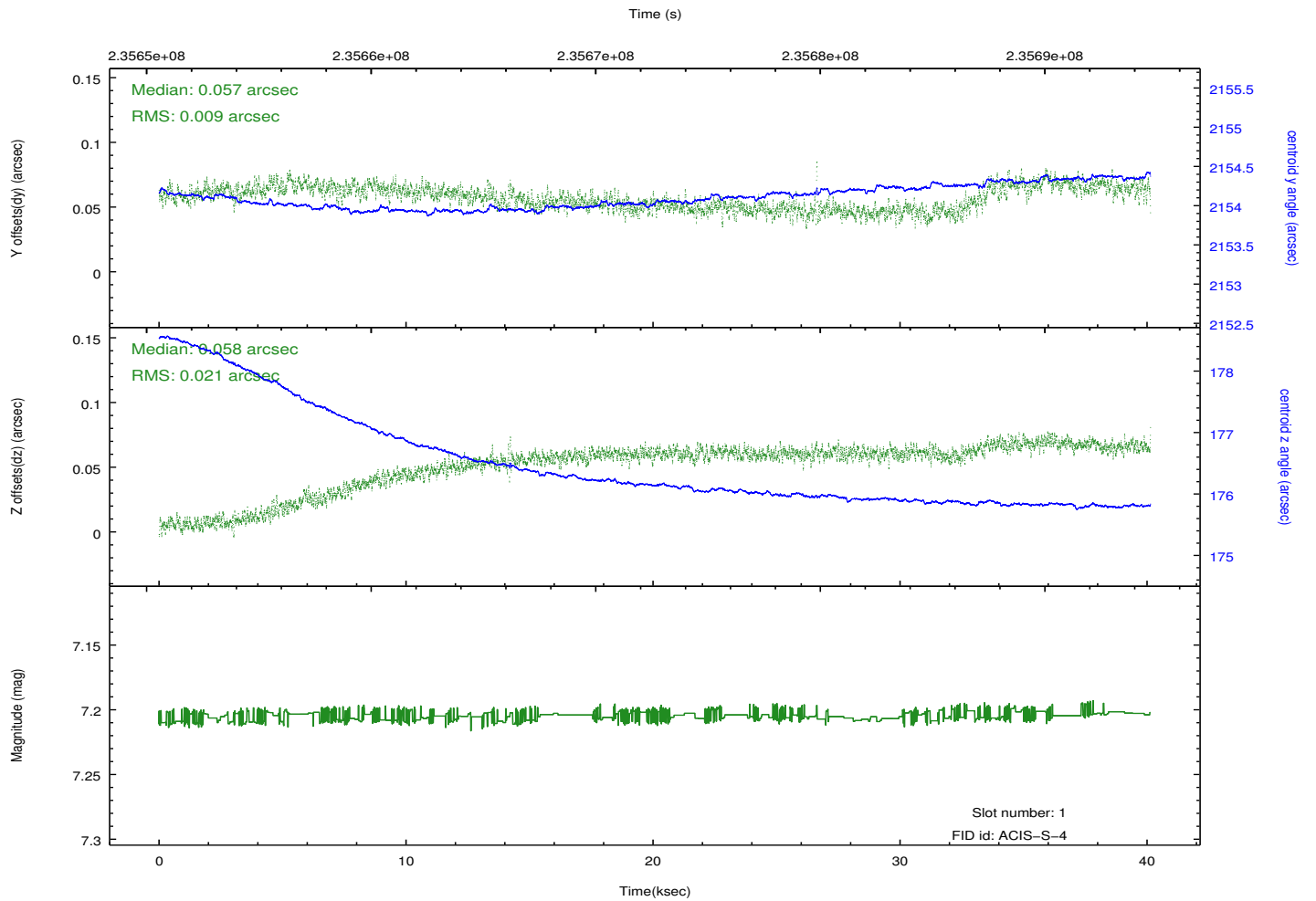
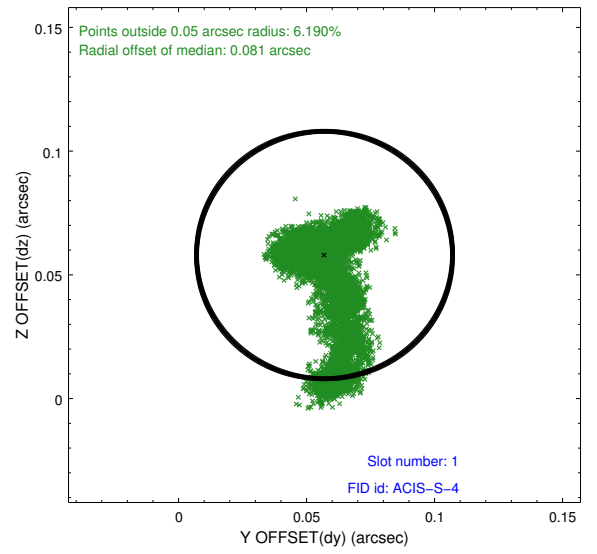
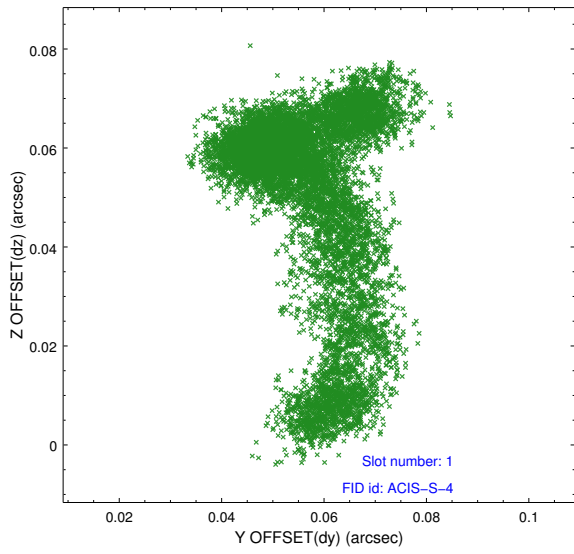


2.5 FID Slots

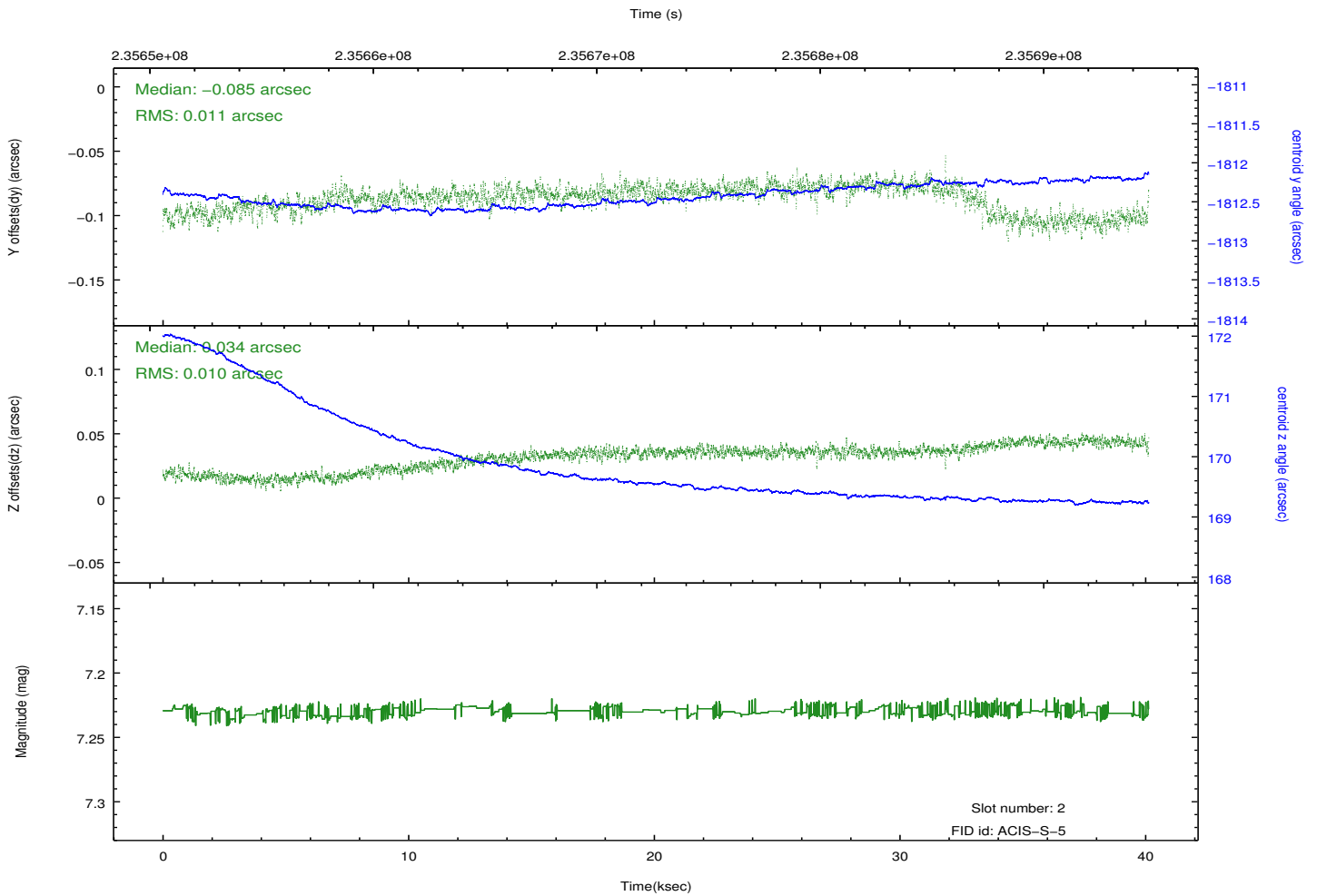
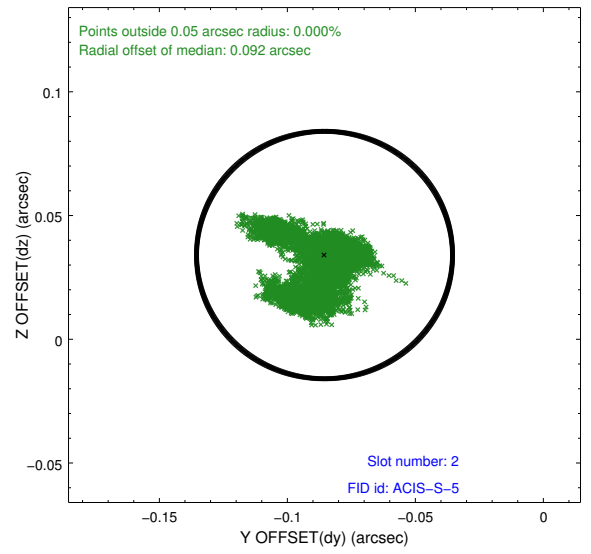
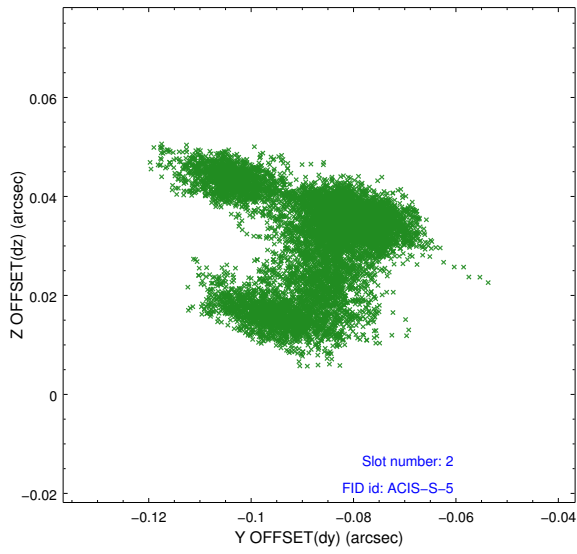
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.12949

A.2 Comments

Joint Proposal: NRAO