

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9027 - L2 Version 2
Chandra X-Ray Center

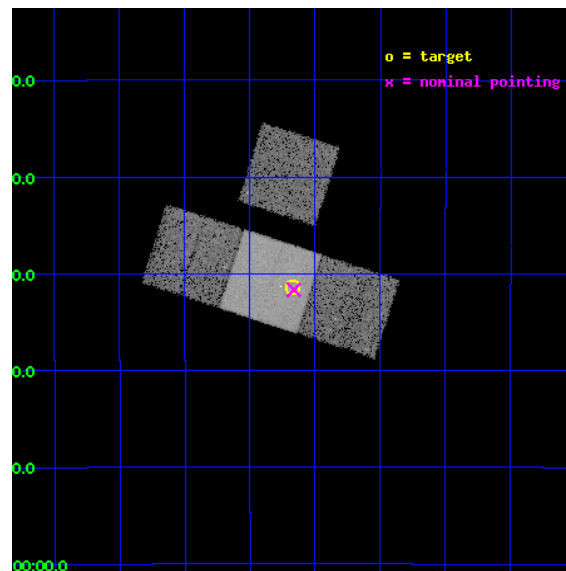
L2 Processing Date : May 15 2012

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1 Front

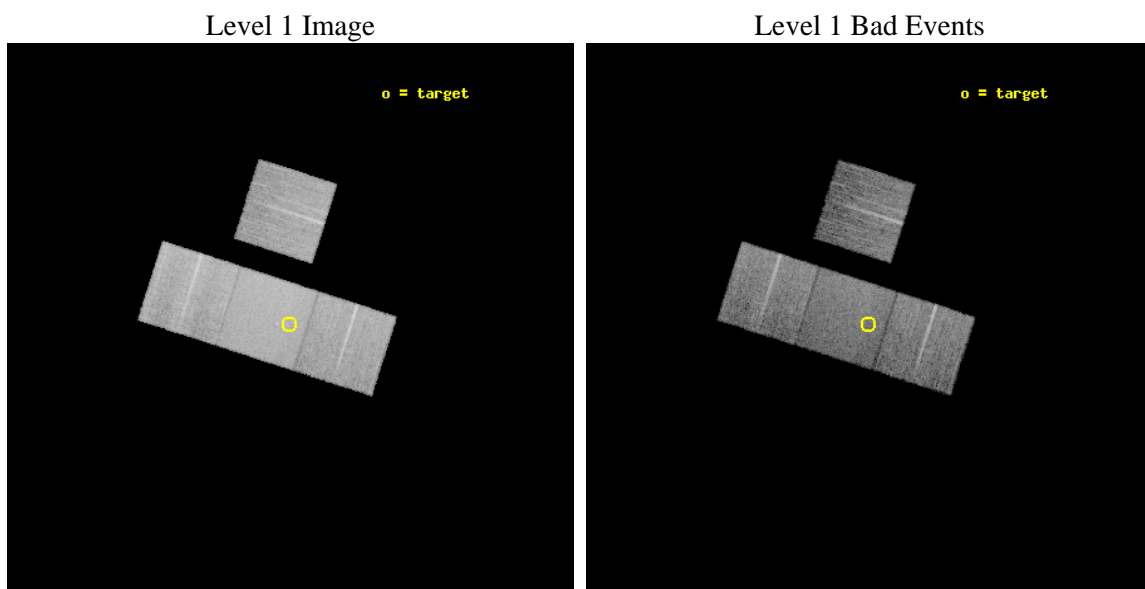
seq_num	400878	Sequence number
obs_id	9027	Observation id
title	The Nature of the Intermediate-Luminosity X-ray Sources in Globular Clusters	Proposal title
observer	Prof. Craig Heinke	Principal investigator
object	NGC 1904	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.044167	Observer's specified target RA [deg]
dec_targ	-24.52425	Observer's specified target Dec [deg]
ra_nom	81.040720435421	Nominal RA [deg]
dec_nom	-24.527909285918	Nominal Dec [deg]
roll_nom	197.7871988527	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10149.400078058	Sum of GTIs [s]
livetime	10016.790694159	Livetime [s]
ontime3	10149.400078058	Sum of GTIs [s]
ontime6	10149.400078058	Sum of GTIs [s]
ontime7	10149.400078058	Sum of GTIs [s]
ontime8	10146.259117723	Sum of GTIs [s]
l2events	87557	Number of level 2 events



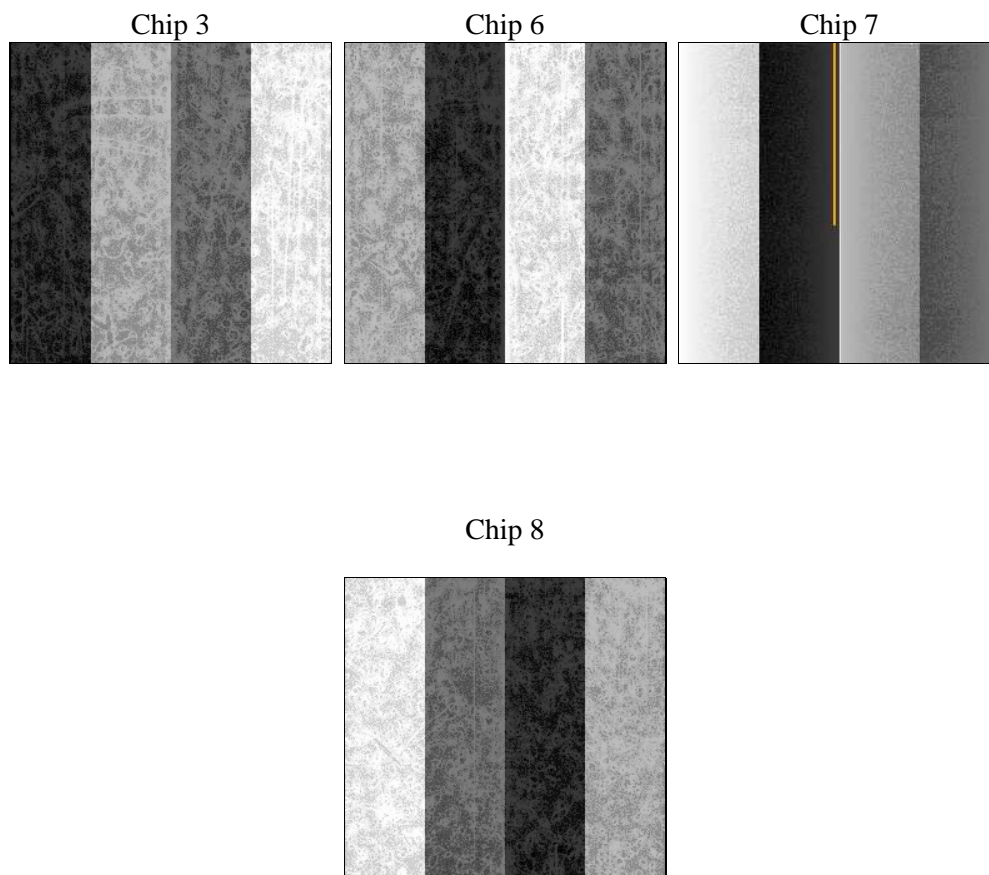
2 OBI

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	10149.400078058	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	10149.400078058	Sum of GTIs [s]
date	2012-05-15T15:57:52	Date and time of file creation	ontime6	10149.400078058	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10149.400078058	Sum of GTIs [s]
			ontime8	10146.259117723	Sum of GTIs [s]
			l1events	488345	Number of level 1 events

2.1.4 Events

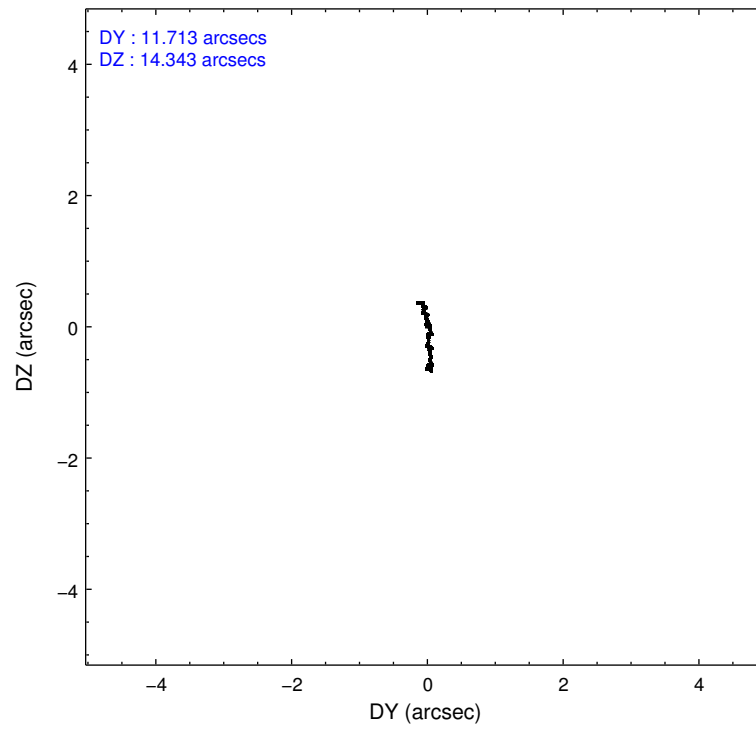
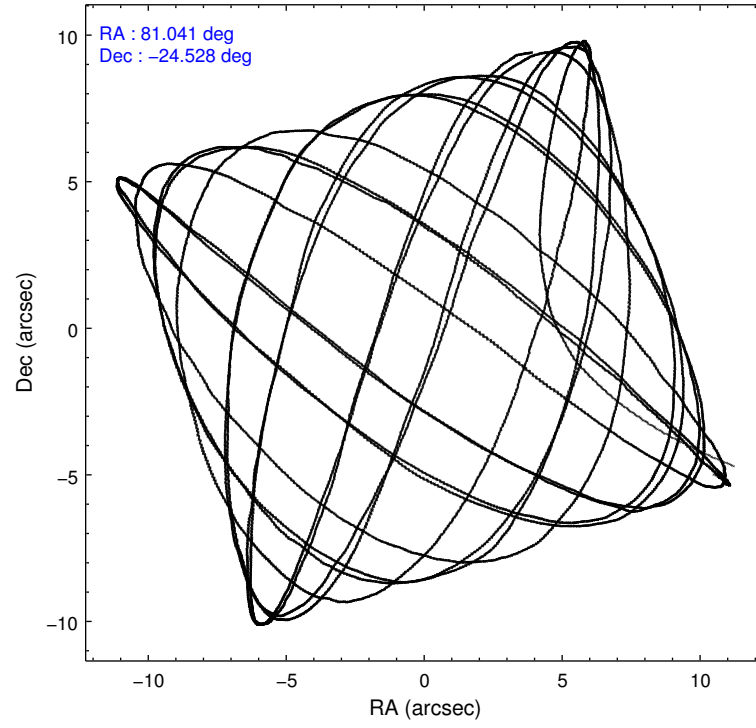
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	99500	106914	146454	135477
rejected events	88001	95064	90363	106060
rejected %	88%	88%	61%	78%

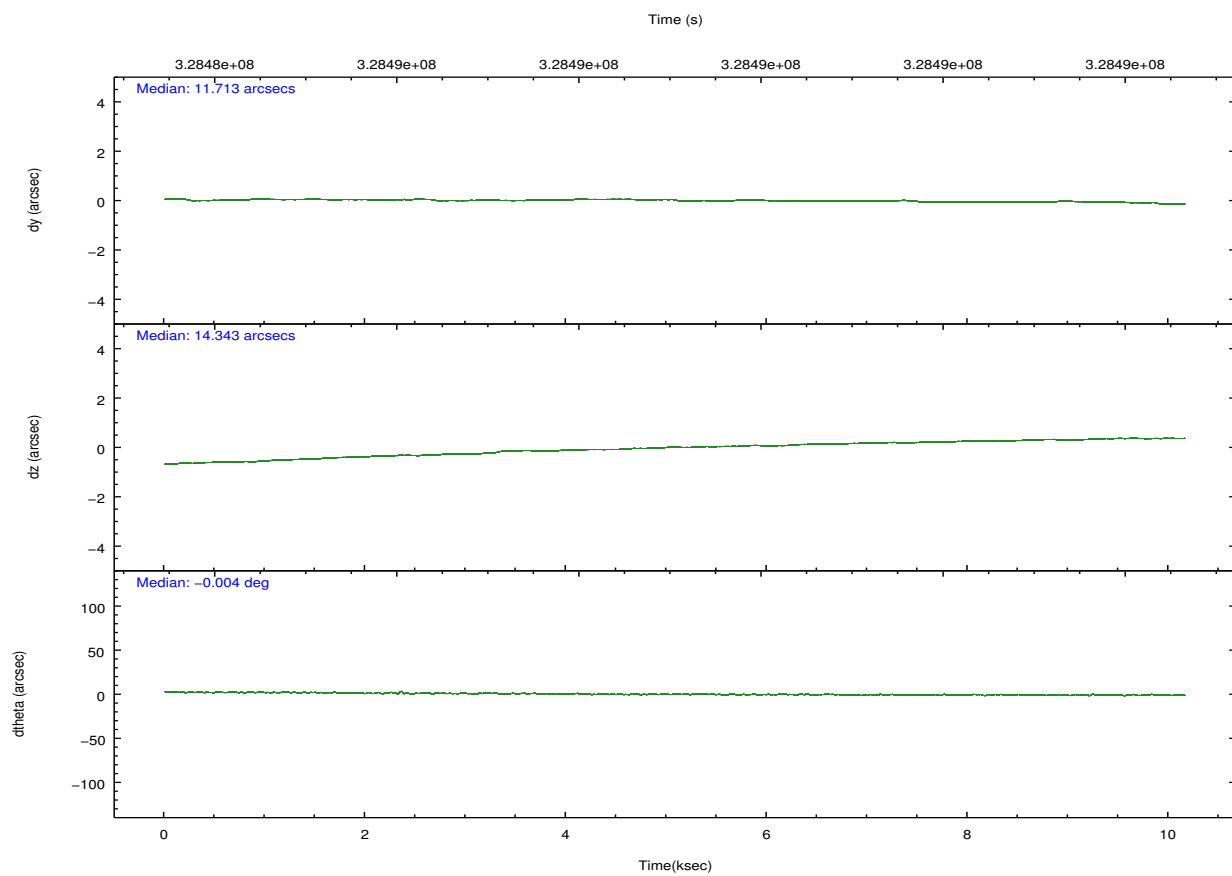
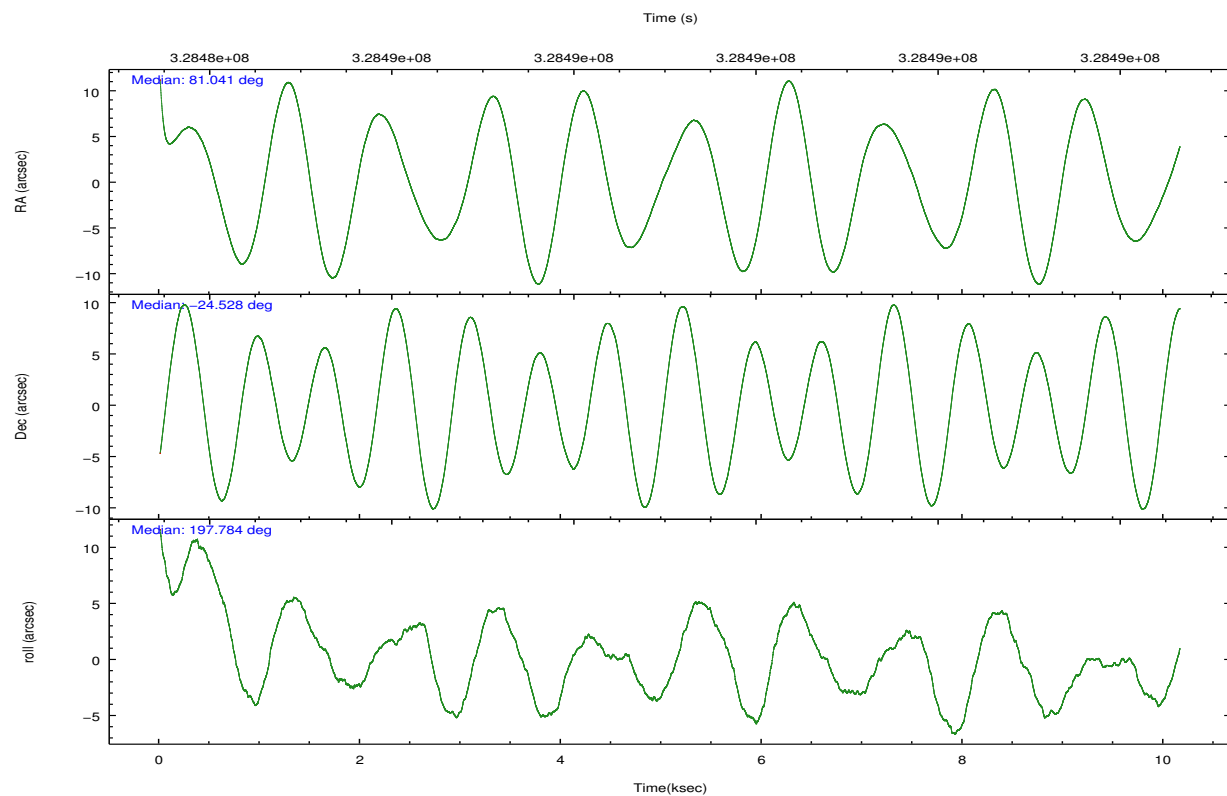
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5433	5104	5300	9662
	5%	4%	3%	7%
grade 1 events	61	41	156	107
	0%	0%	0%	0%
grade 2 events	2459	2787	12520	7383
	2%	2%	8%	5%
grade 3 events	1200	1146	5071	3311
	1%	1%	3%	2%
grade 4 events	1148	1217	5131	3028
	1%	1%	3%	2%
grade 5 events	4997	5295	13708	6824
	5%	4%	9%	5%
grade 6 events	2222	2606	32838	8357
	2%	2%	22%	6%
grade 7 events	81980	88718	71730	96805
	82%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	81.060588	81.04072043542112	CCD I2 on	N	N
[deg] Pointing Dec	-24.507436	-24.52790928591769	CCD I3 on	O1	Y
[deg] Pointing Roll	197.638821	197.7871988526981	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	328484140.184000	328482786.04497	CCD S5 on	N	N
Observation start date	2008-05-29T21:34:35	2008-05-29T21:13:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328494140.184000	328494909.74556	On-chip summing requested	N	N
Observation end date	2008-05-30T00:21:15	2008-05-30T00:35:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



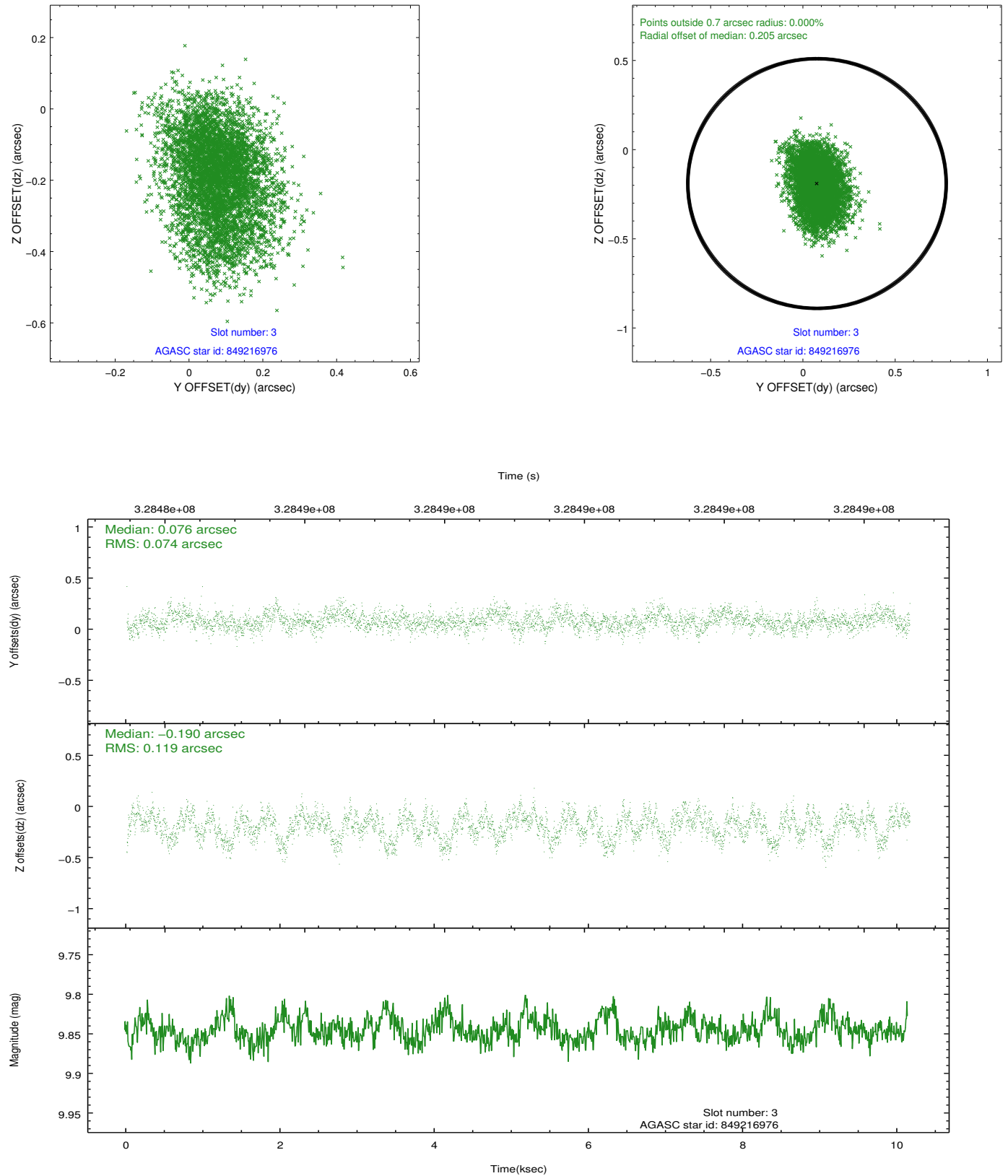


Slot Statistics

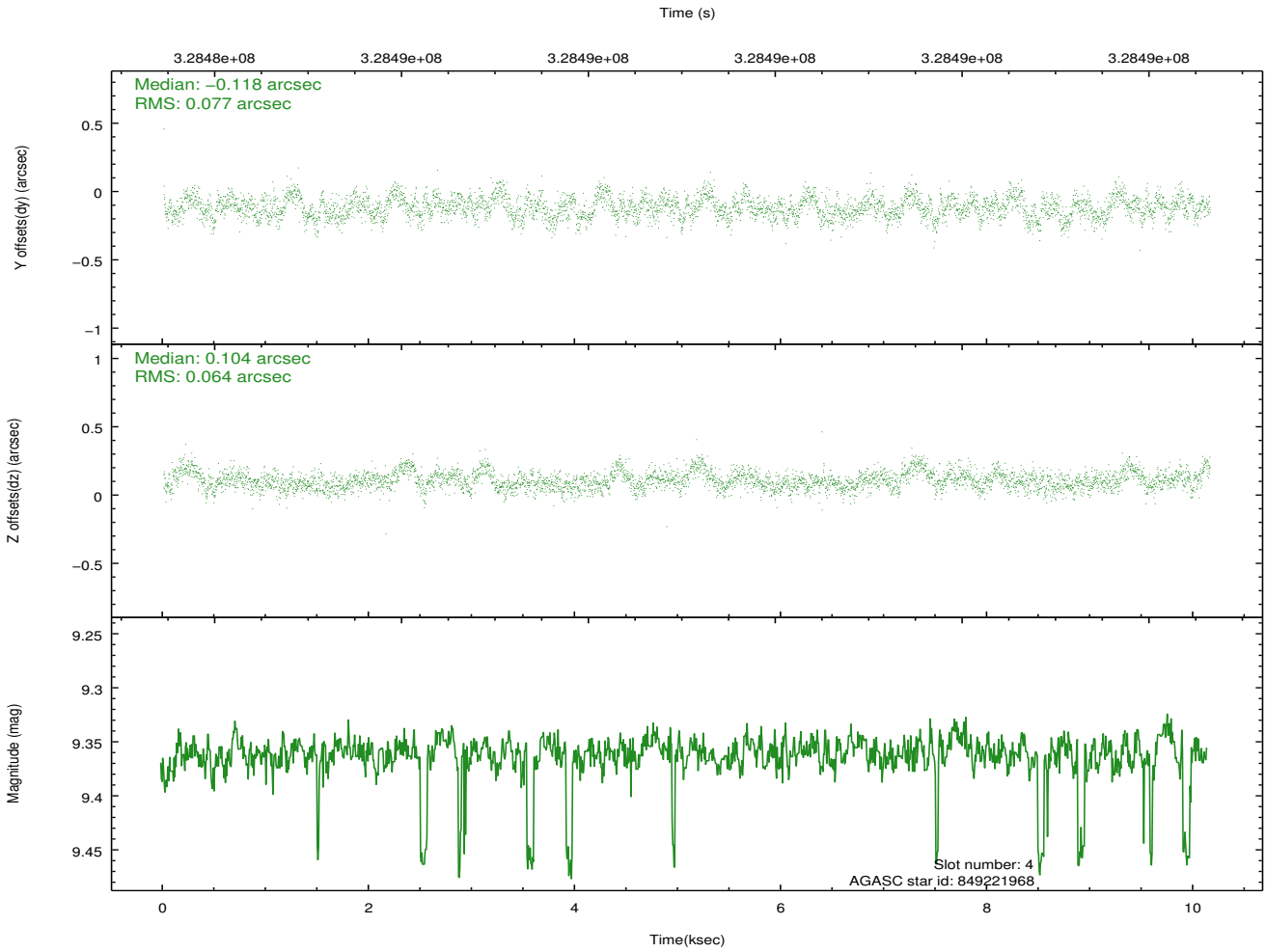
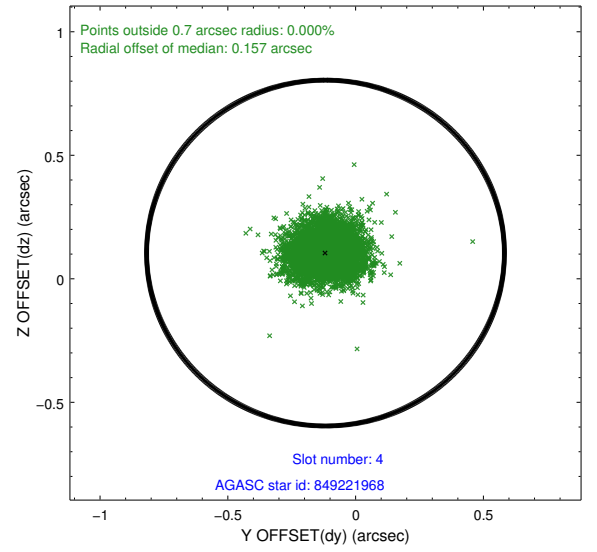
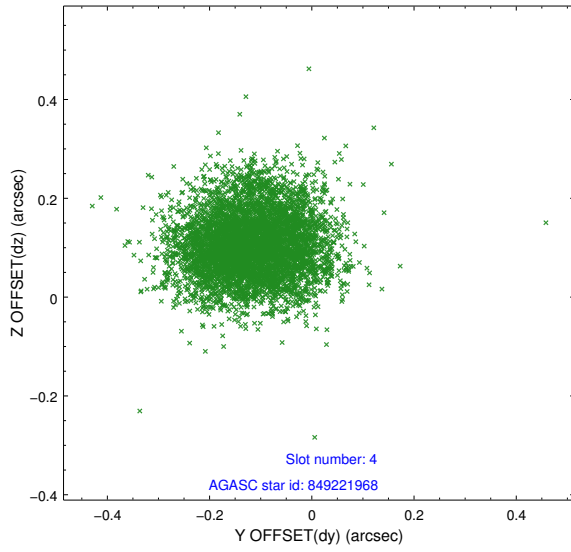
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2478	-0.045	-0.023	0.010	0.015	0.000000	0.000000	-764.62	-1735.62
1	FID	ACIS-S-4	6.98	2478	0.120	0.028	0.007	0.012	0.000000	0.000000	2148.57	172.39
2	FID	ACIS-S-5	7.01	2477	-0.107	0.004	0.010	0.015	0.000000	0.000000	-1816.87	166.61
3	GUIDE	849216976	9.85	4947	0.076	-0.190	0.150	0.246	81.414209	-24.799283	-782.35	1353.03
4	GUIDE	849221968	9.36	4924	-0.118	0.104	0.106	0.169	80.350202	-24.542512	2256.97	-577.95
5	GUIDE	849346592	9.91	4942	0.124	0.173	0.147	0.249	81.797762	-24.665527	-2123.25	1279.71
6	GUIDE	848701624	10.12	4945	0.089	0.111	0.202	0.320	81.058446	-23.816847	-746.67	-2370.64
7	GUIDE	849221808	9.93	4933	-0.173	-0.200	0.178	0.277	81.008696	-25.199789	916.09	2323.90

2.4 Star Slots

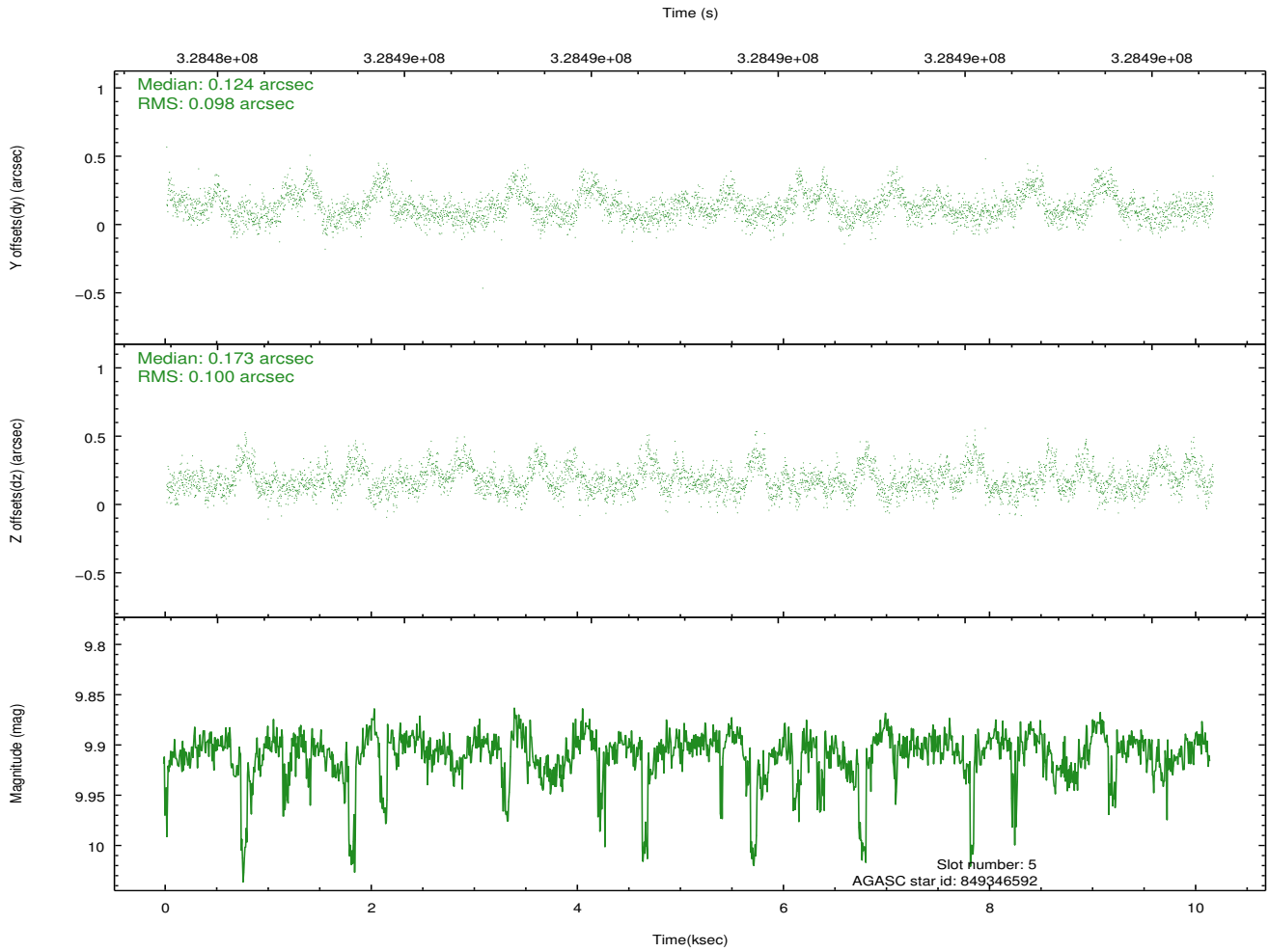
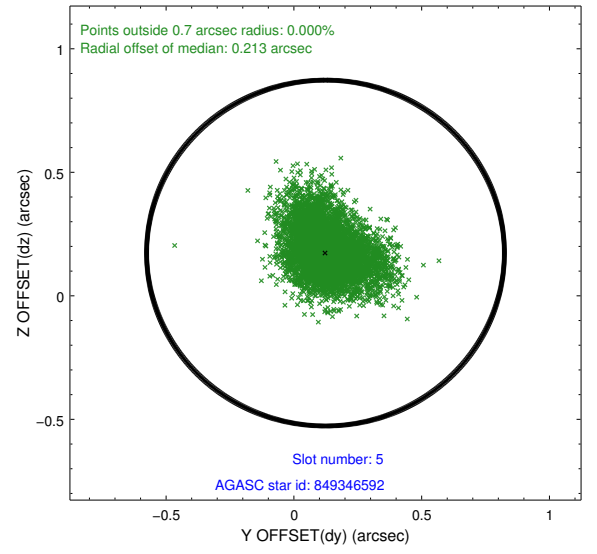
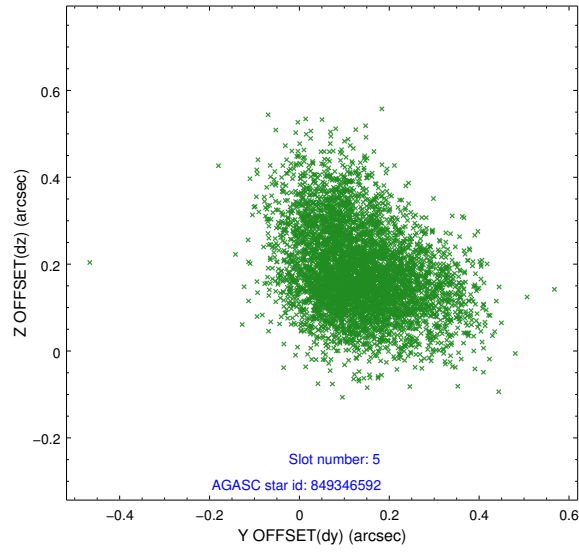
2.4.1 Slot 3



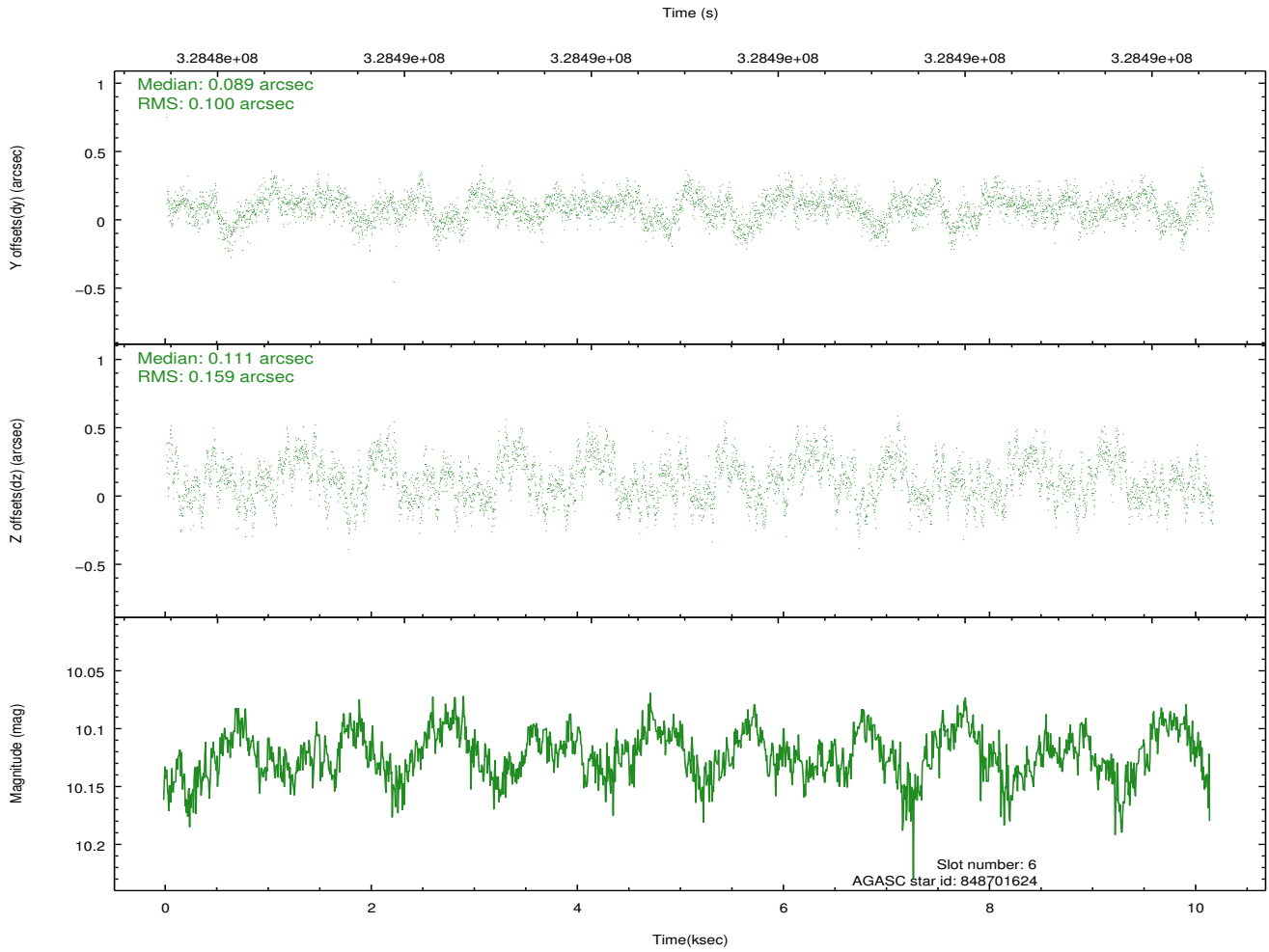
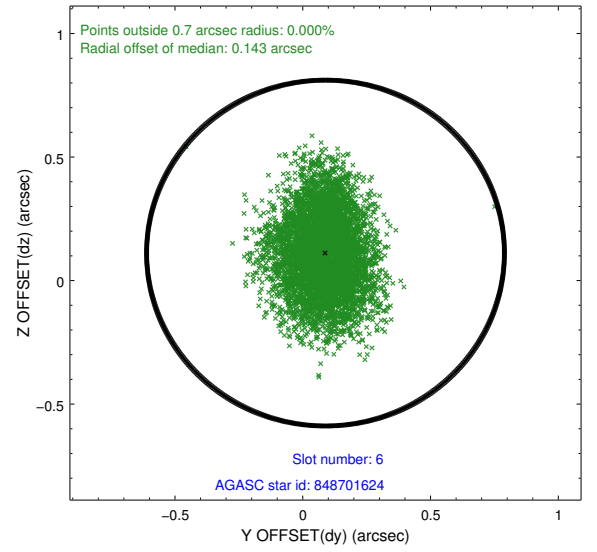
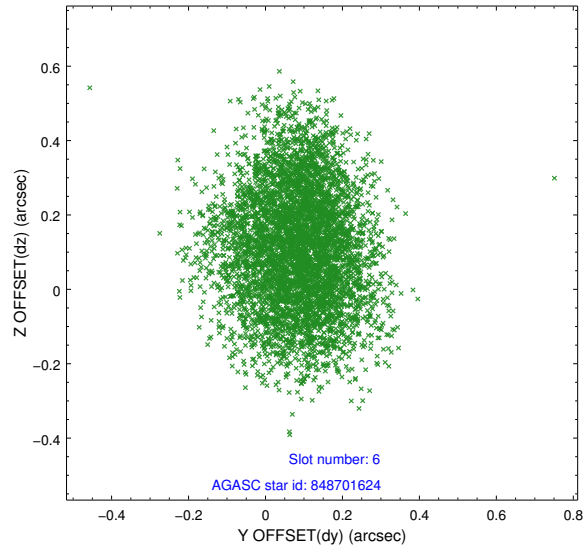
2.4.2 Slot 4



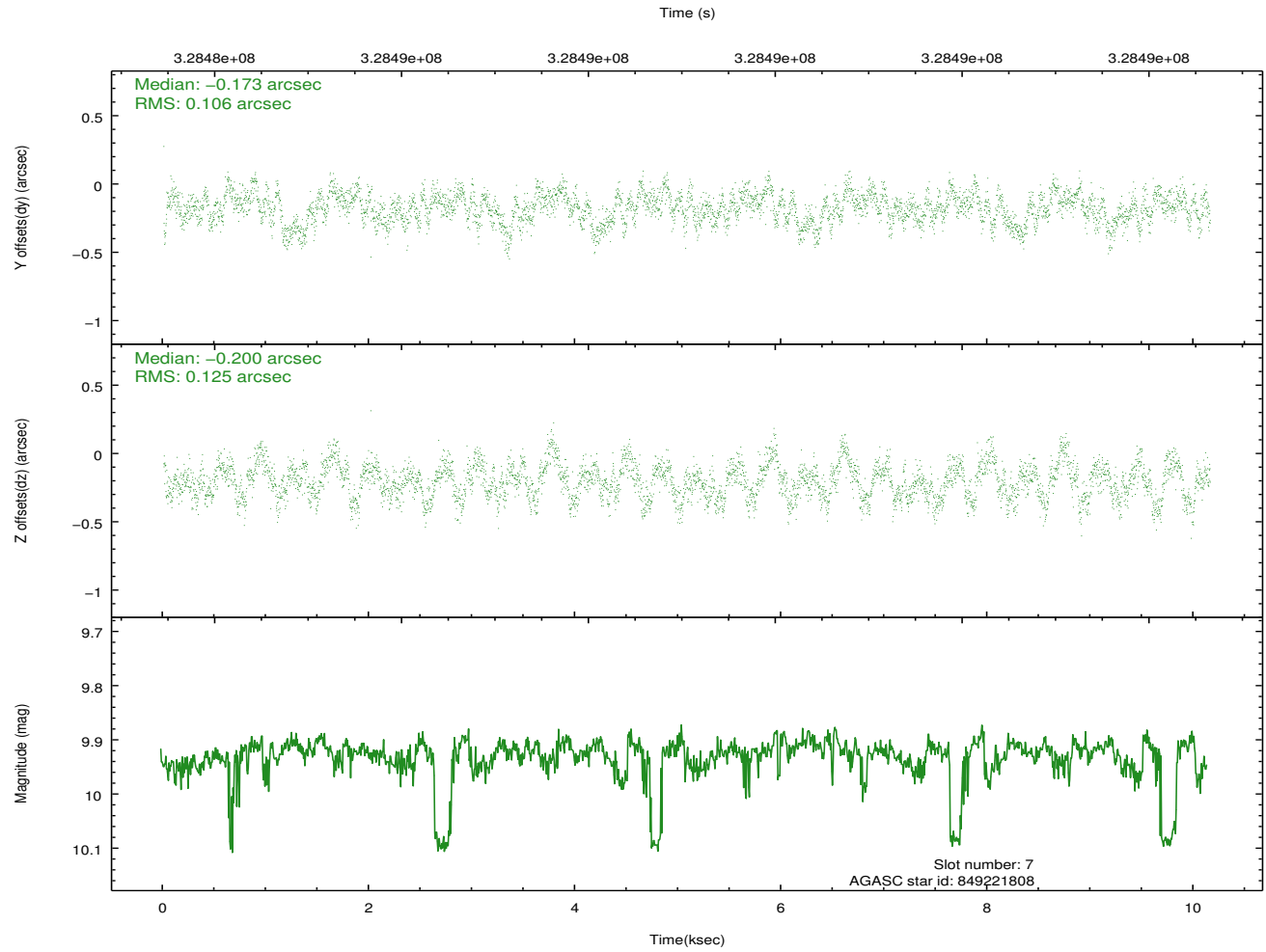
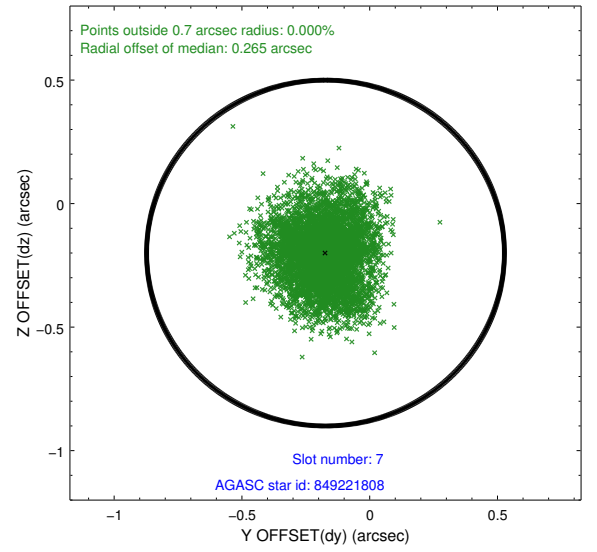
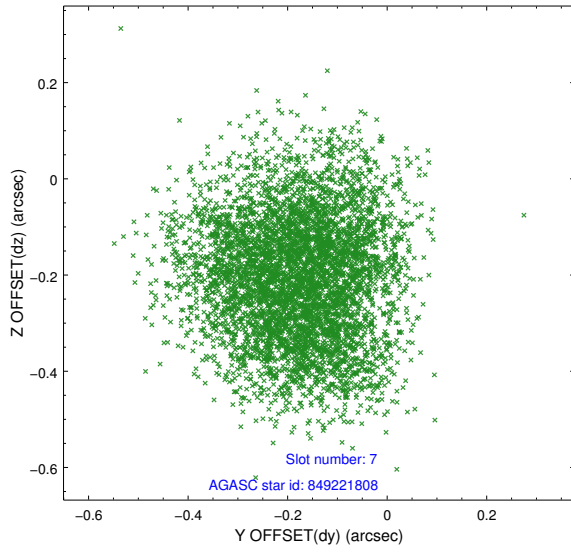
2.4.3 Slot 5



2.4.4 Slot 6

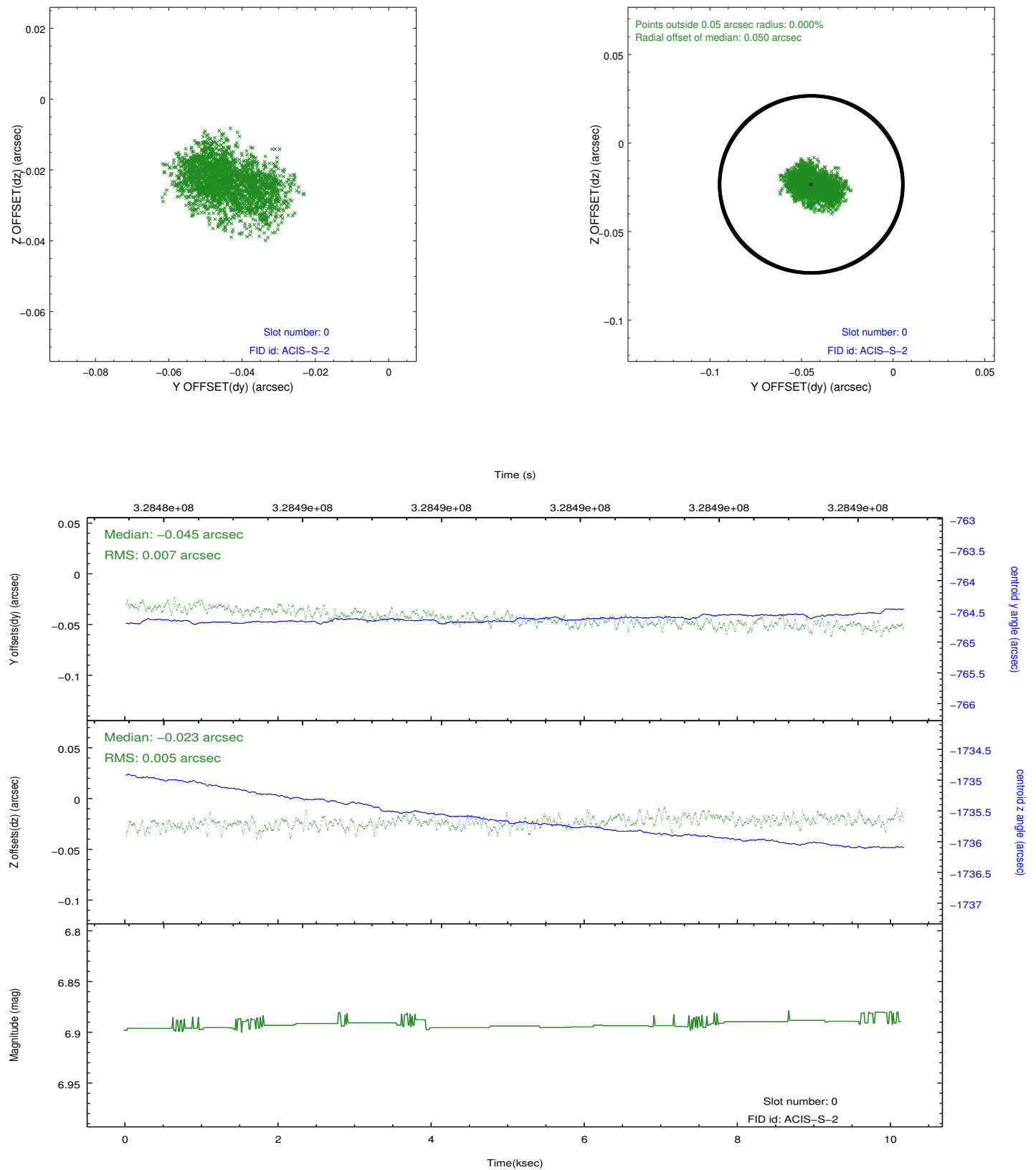


2.4.5 Slot 7

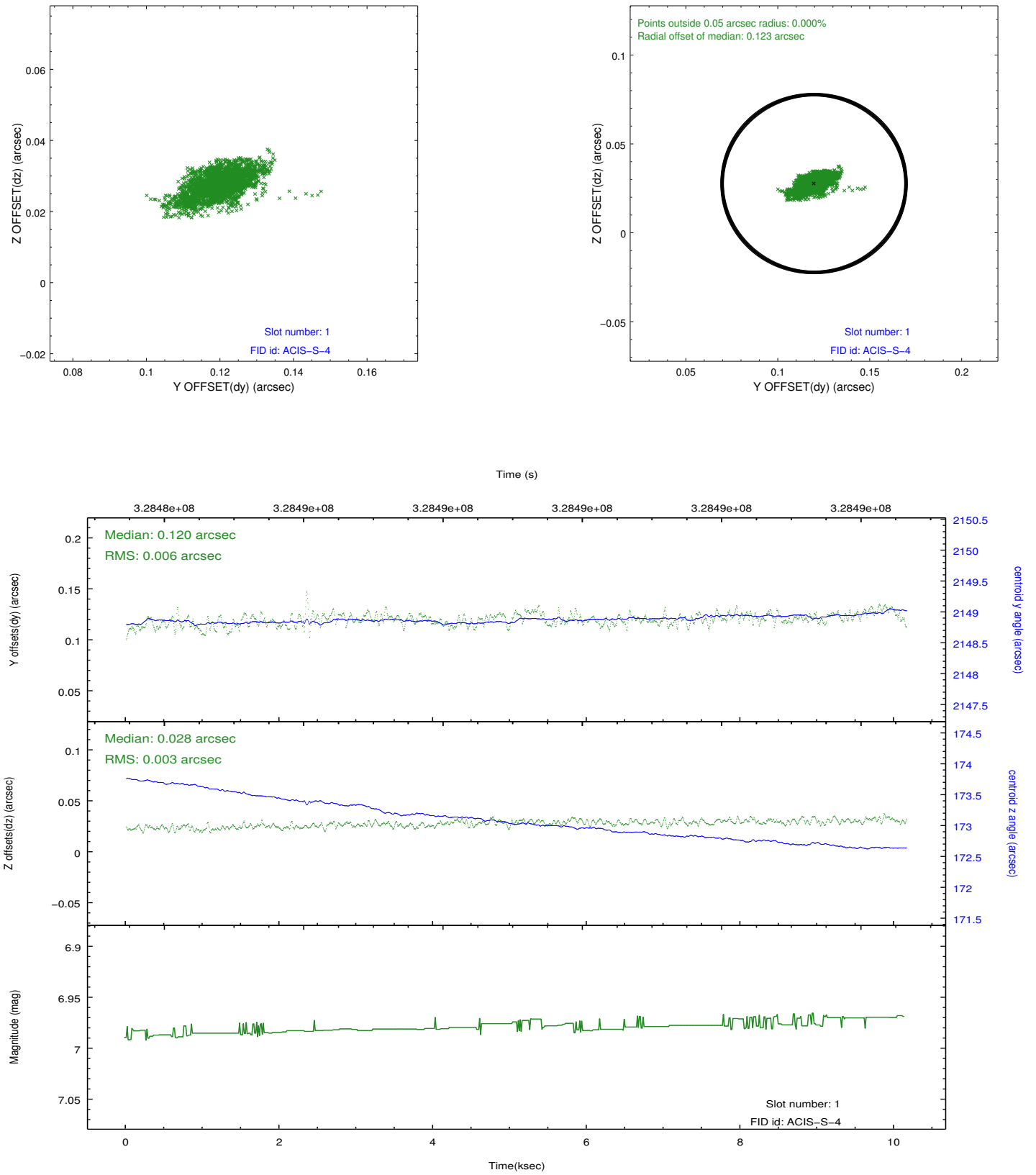


2.5 FID Slots

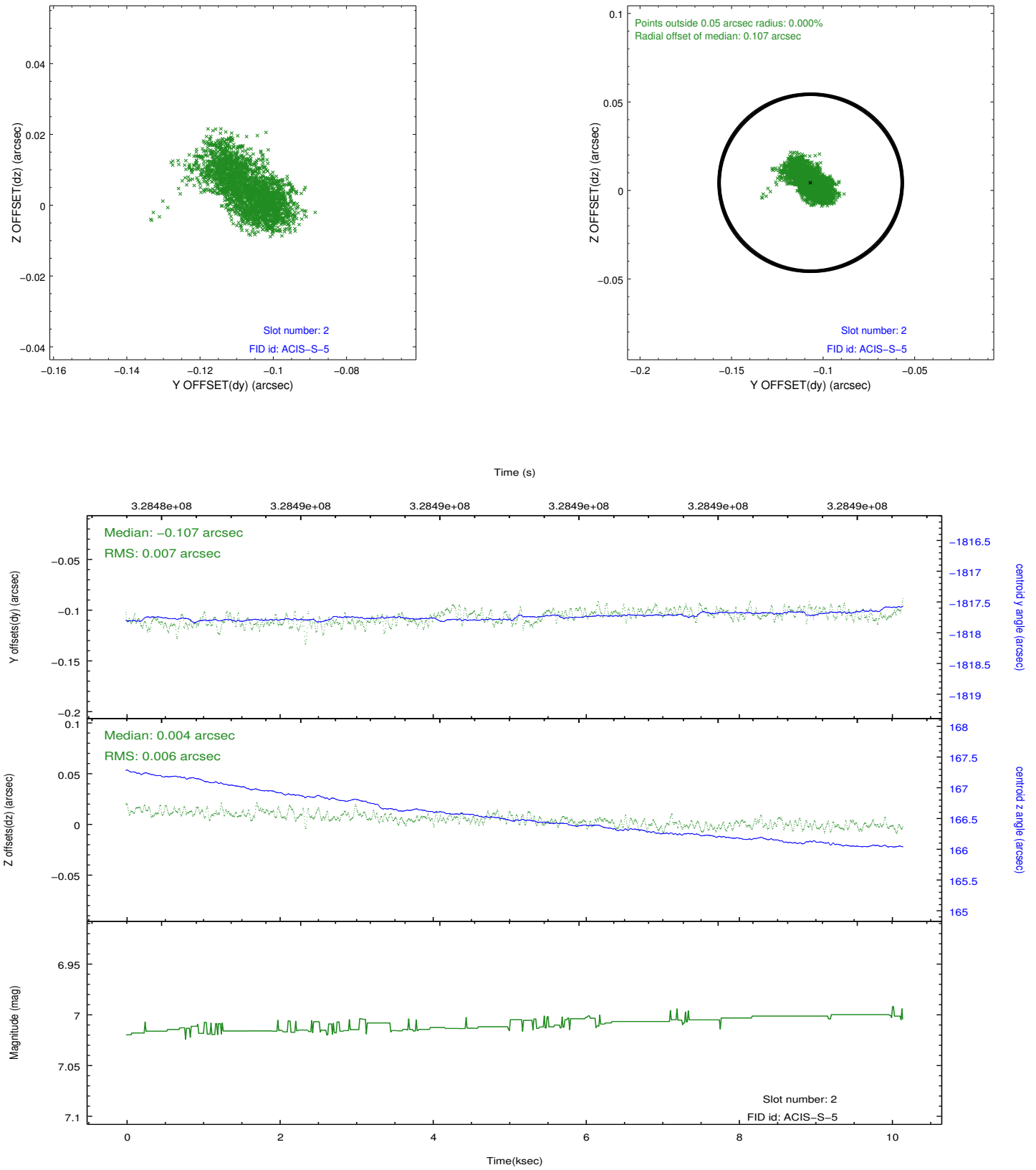
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1494

A.2 Comments