

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7807 - L2 Version 3
Chandra X-Ray Center

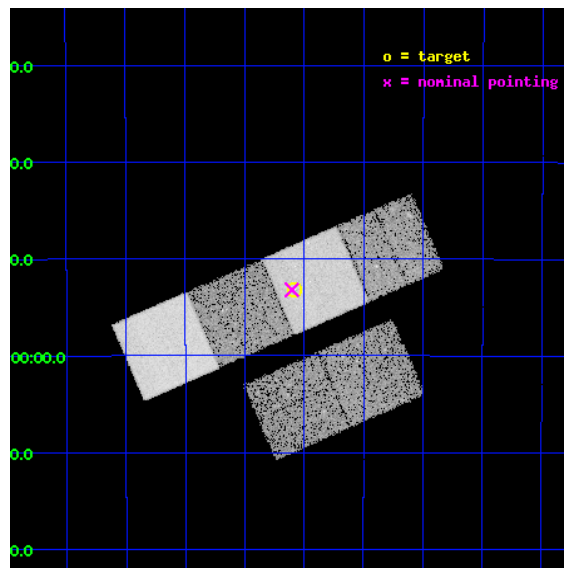
L2 Processing Date : Apr 21 2012

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1 Front

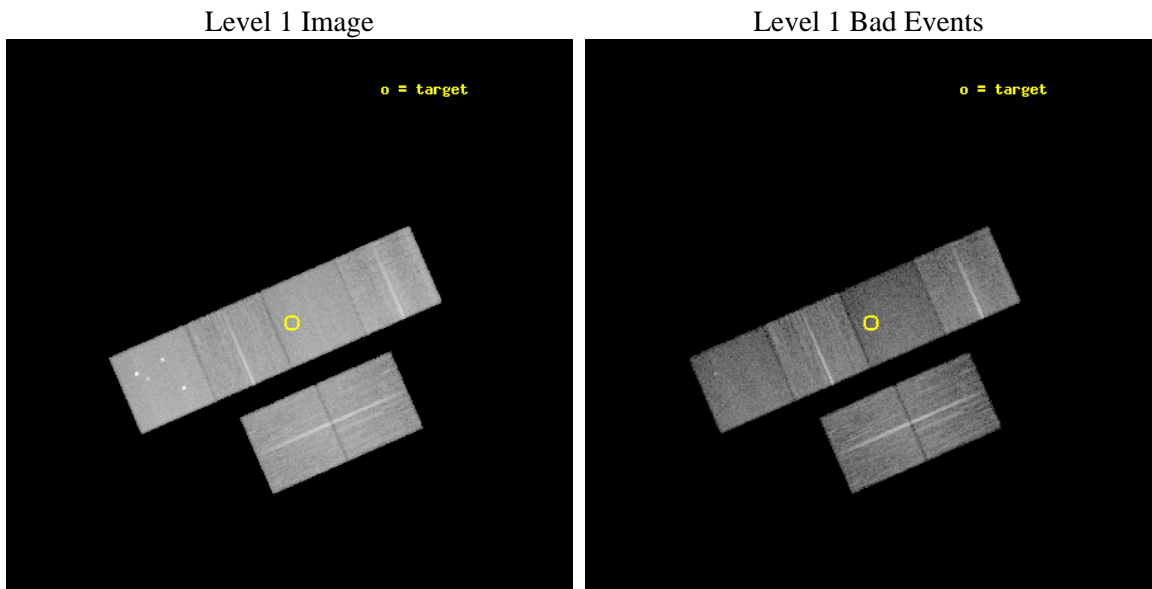
seq_num	701471	Sequence number
obs_id	7807	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	IC 2545	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.52	Observer's specified target RA [deg]
dec_targ	-33.8875	Observer's specified target Dec [deg]
ra_nom	151.52583190103	Nominal RA [deg]
dec_nom	-33.886821699505	Nominal Dec [deg]
roll_nom	336.46128917671	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14542.521220386	Sum of GTIs [s]
livetime	14358.375060239	Livetime [s]
ontime2	14536.080249786	Sum of GTIs [s]
ontime3	14542.398100376	Sum of GTIs [s]
ontime5	14542.480180383	Sum of GTIs [s]
ontime6	14542.439140379	Sum of GTIs [s]
ontime7	14542.521220386	Sum of GTIs [s]
ontime8	14542.357060373	Sum of GTIs [s]
l2events	165896	Number of level 2 events



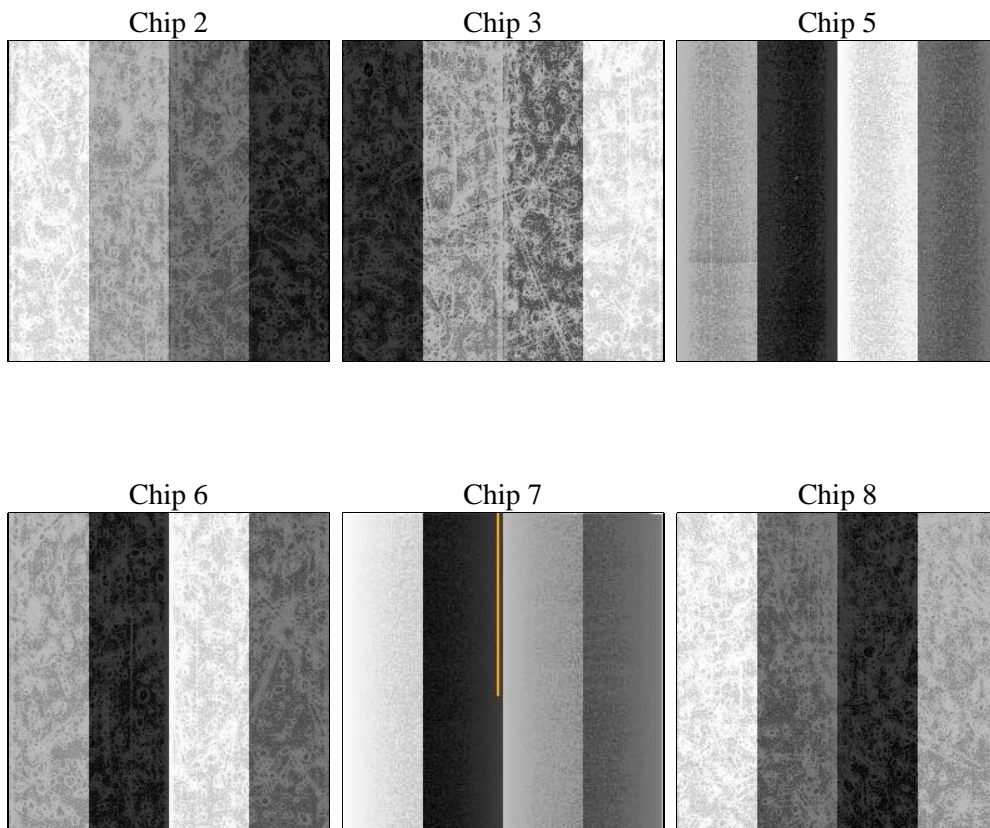
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14542.521220386	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	14536.080249786	Sum of GTIs [s]
date	2012-04-21T01:28:21	Date and time of file creation	ontime3	14542.398100376	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14542.480180383	Sum of GTIs [s]
			ontime6	14542.439140379	Sum of GTIs [s]
			ontime7	14542.521220386	Sum of GTIs [s]
			ontime8	14542.357060373	Sum of GTIs [s]
			l1events	762574	Number of level 1 events

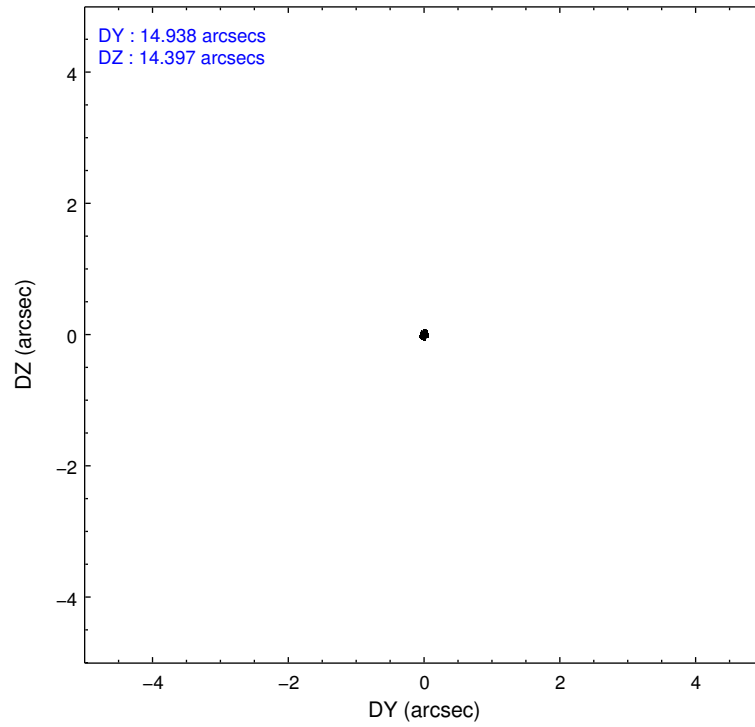
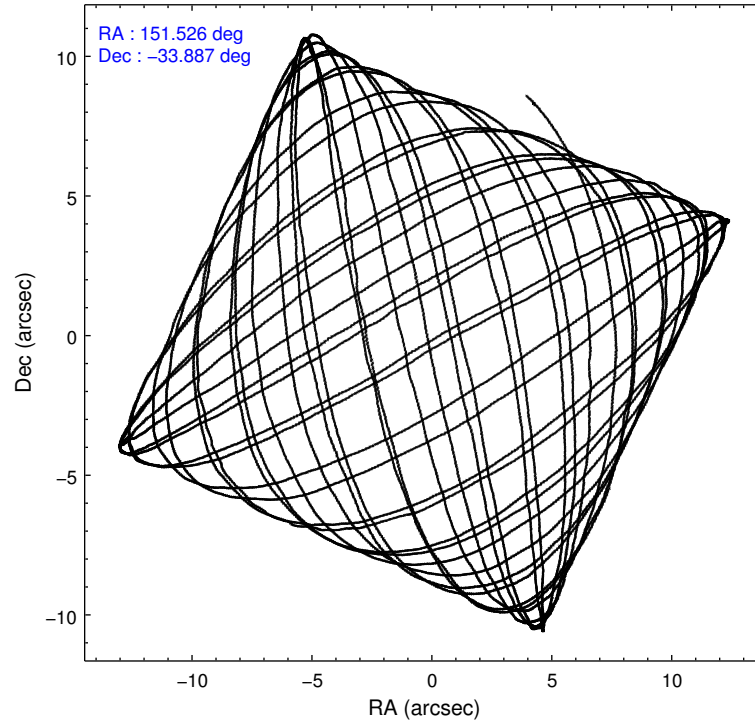
2.1.4 Events

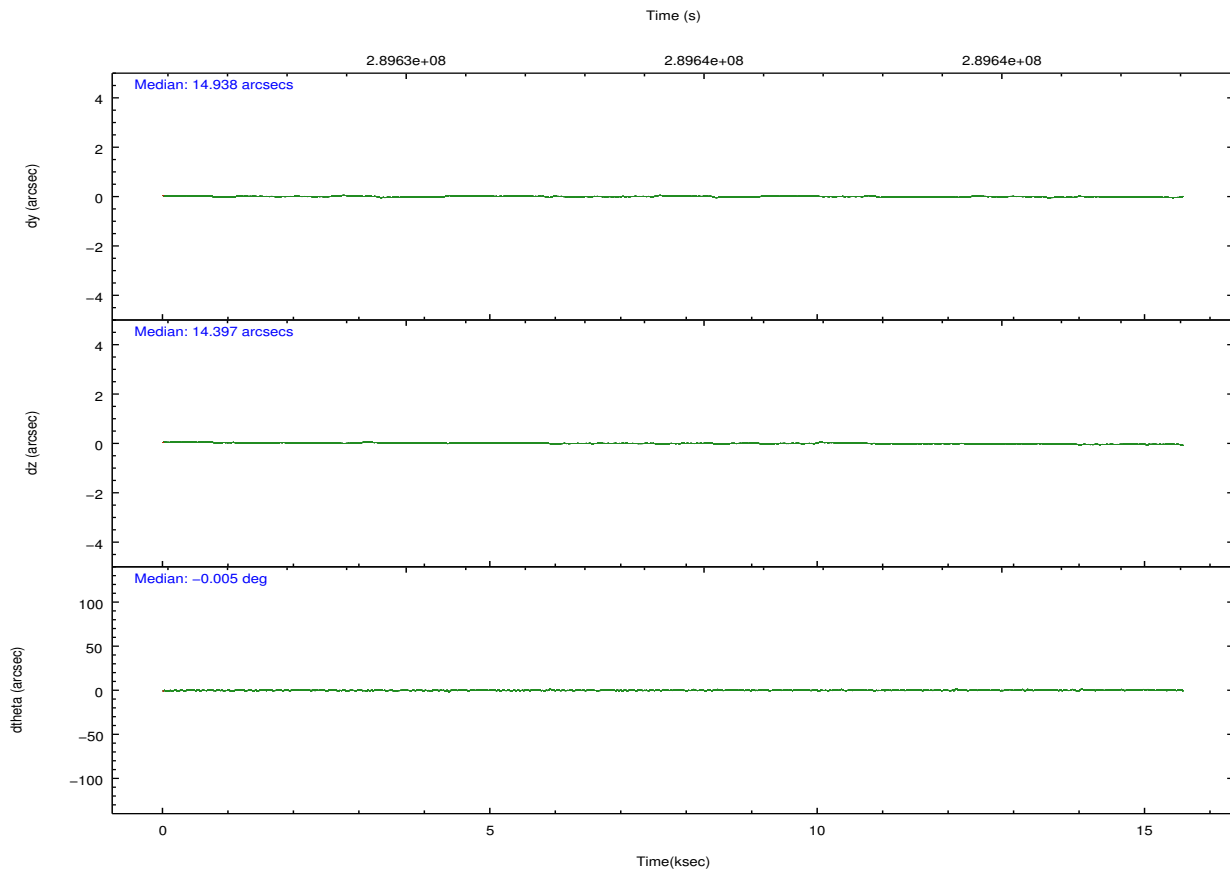
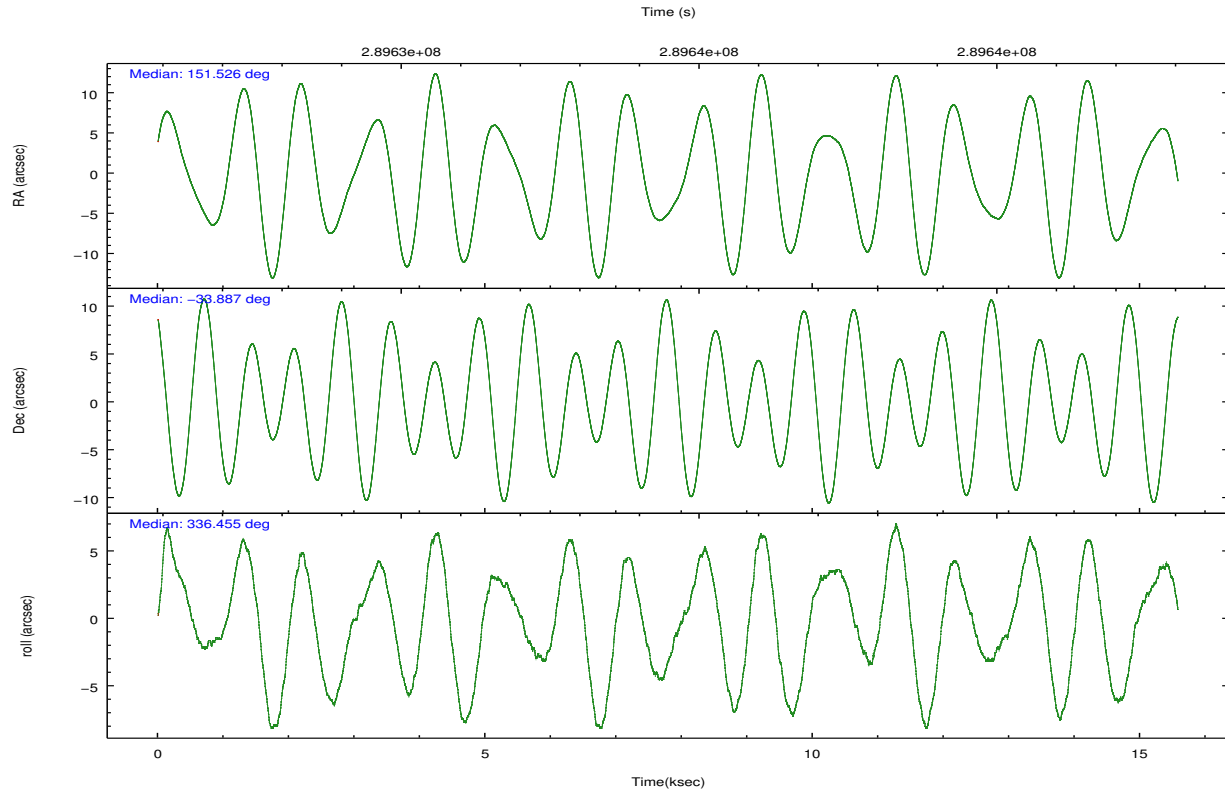
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	116645	108199	158751	117013	123778	138188	grade 0 events	3926	3813	12130	4182	5334	9978
rejected events	105900	97720	76759	105280	66905	104801		3%	3%	7%	3%	4%	7%
rejected %	90%	90%	48%	89%	54%	75%	grade 1 events	71	58	454	60	146	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	2543	2197	24361	2516	11426	7554
								2%	2%	15%	2%	9%	5%
							grade 3 events	1129	1249	3146	1296	5228	3639
								0%	1%	1%	1%	4%	2%
							grade 4 events	1134	1214	3033	1233	5270	3434
								0%	1%	1%	1%	4%	2%
							grade 5 events	3796	4272	12123	4615	12939	6308
								3%	3%	7%	3%	10%	4%
							grade 6 events	2020	2009	39364	2509	29639	8792
								1%	1%	24%	2%	23%	6%
							grade 7 events	102026	93387	64140	100602	53796	98382
								87%	86%	40%	85%	43%	71%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	151.493102	151.5258319010256	CCD I2 on	O1	Y
[deg] Pointing Dec	-33.890252	-33.88682169950522	CCD I3 on	O2	Y
[deg] Pointing Roll	336.286412	336.4612891767127	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	289627776.184000	289626179.60972	CCD S5 on	N	N
Observation start date	2007-03-07T04:08:31	2007-03-07T03:42:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	289642276.184000	289643349.38553	On-chip summing requested	N	N
Observation end date	2007-03-07T08:10:11	2007-03-07T08:29:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



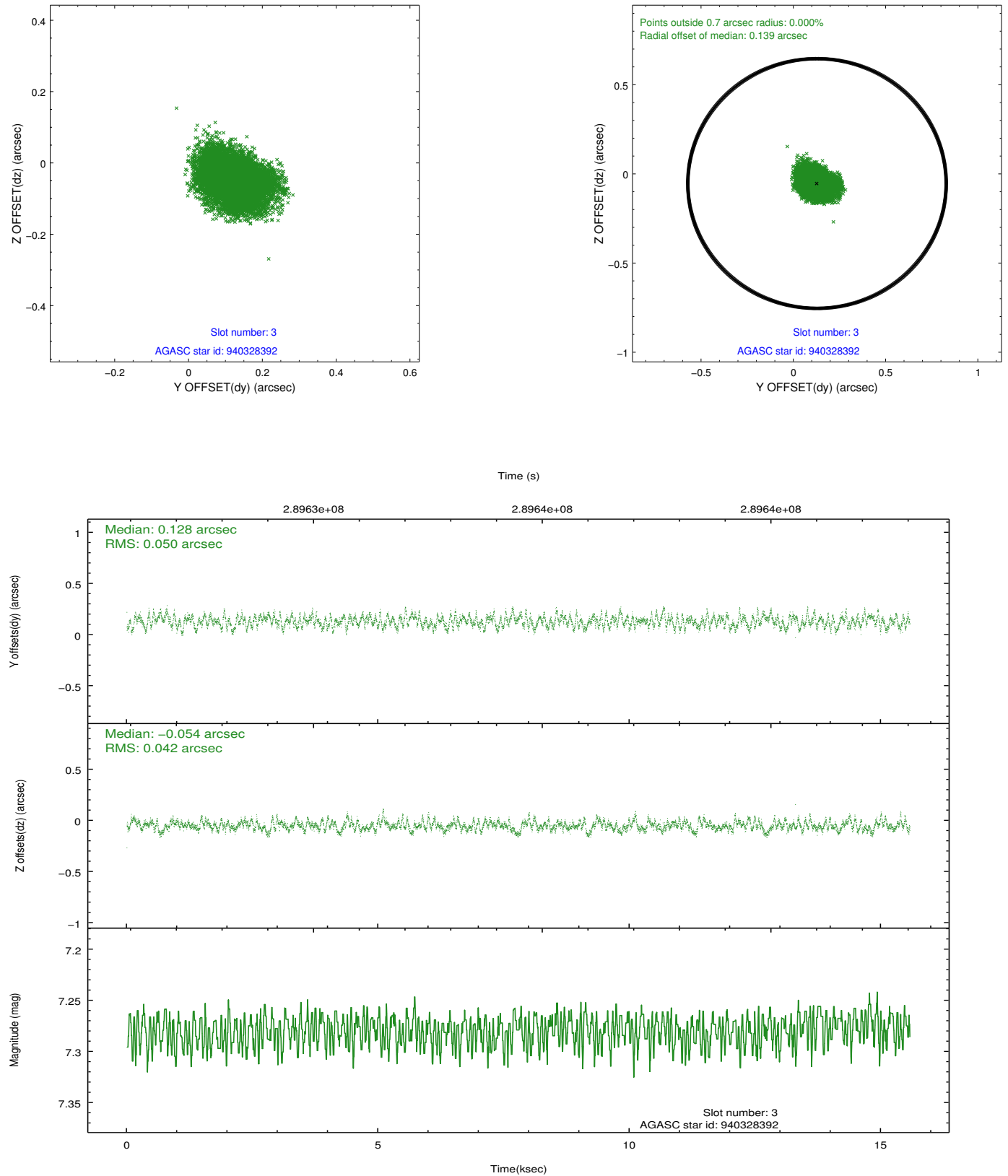


Slot Statistics

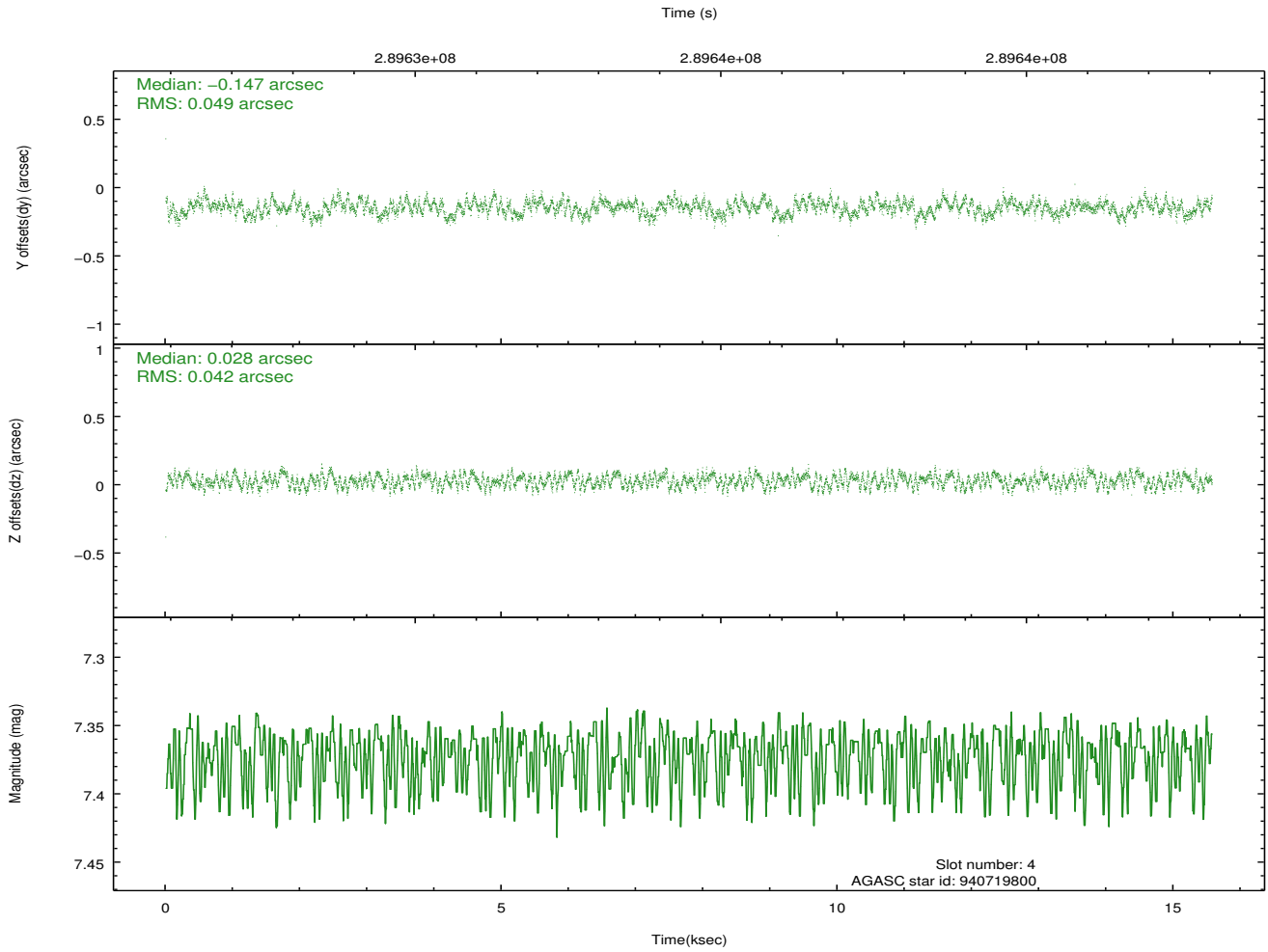
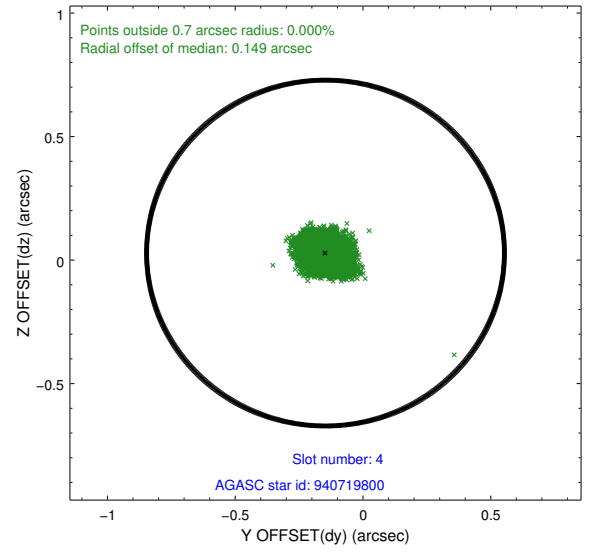
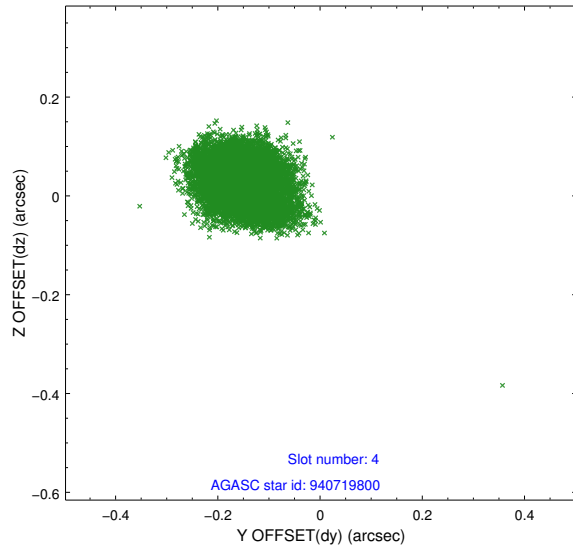
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	3800	0.022	-0.028	0.007	0.012	0.000000	0.000000	928.14	-1731.42
1	FID	ACIS-S-4	7.20	3800	0.171	0.014	0.007	0.011	0.000000	0.000000	2145.86	172.48
2	FID	ACIS-S-5	7.23	3799	-0.220	0.027	0.006	0.012	0.000000	0.000000	-1820.60	166.41
3	GUIDE	940328392	7.28	7598	0.128	-0.054	0.070	0.112	151.386443	-33.392191	-1015.08	1512.15
4	GUIDE	940719800	7.37	7598	-0.147	0.028	0.069	0.107	150.501778	-34.173565	-2287.67	-2134.27
5	GUIDE	940839200	9.32	7593	0.052	0.132	0.100	0.162	151.910266	-34.445174	1938.47	-1333.09
6	GUIDE	940846344	9.36	7595	0.053	0.009	0.109	0.177	152.071887	-34.432834	2361.61	-1101.46
7	GUIDE	940327160	9.04	7595	-0.087	-0.113	0.090	0.141	151.973440	-33.407183	623.80	2169.65

2.4 Star Slots

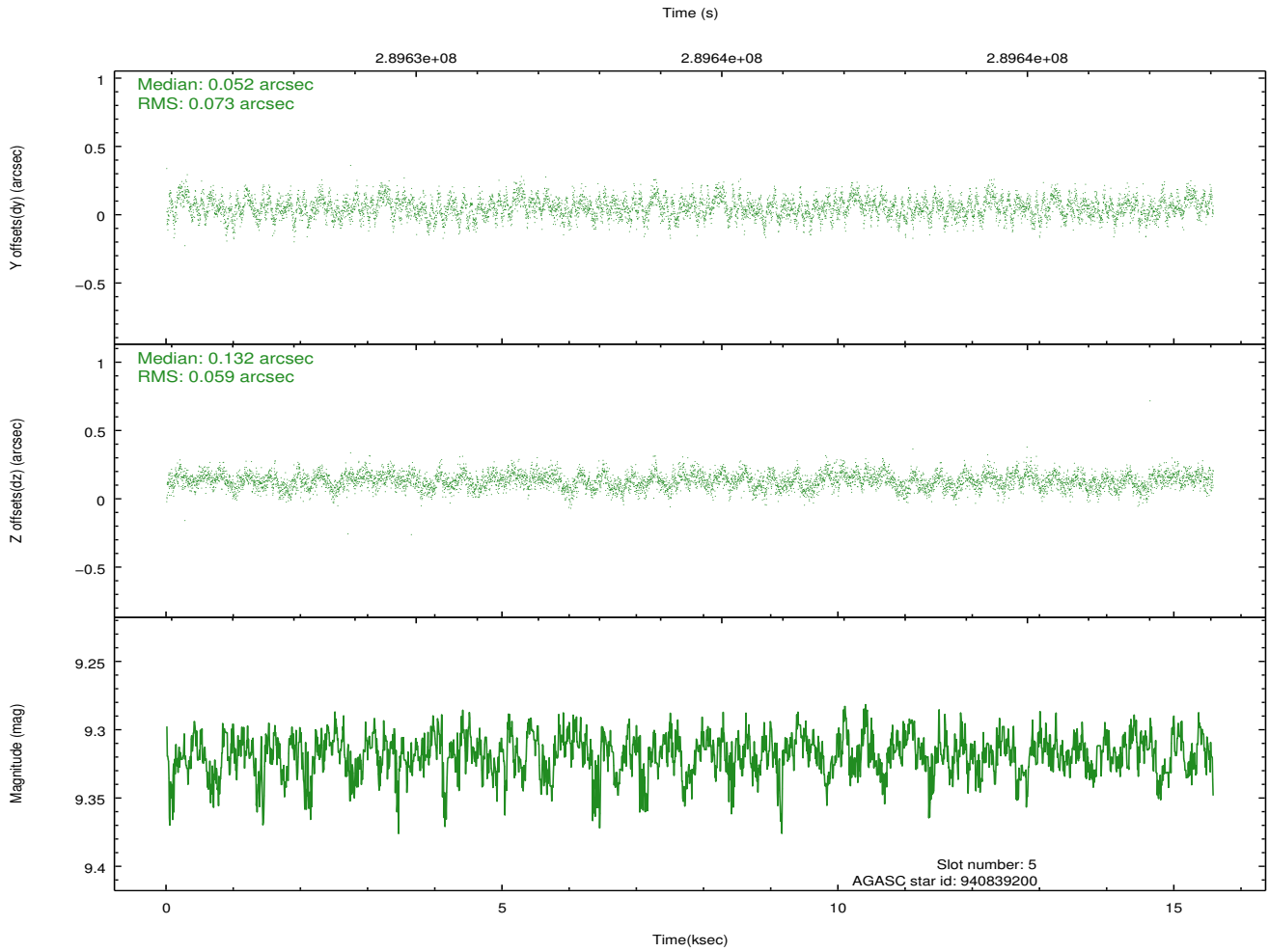
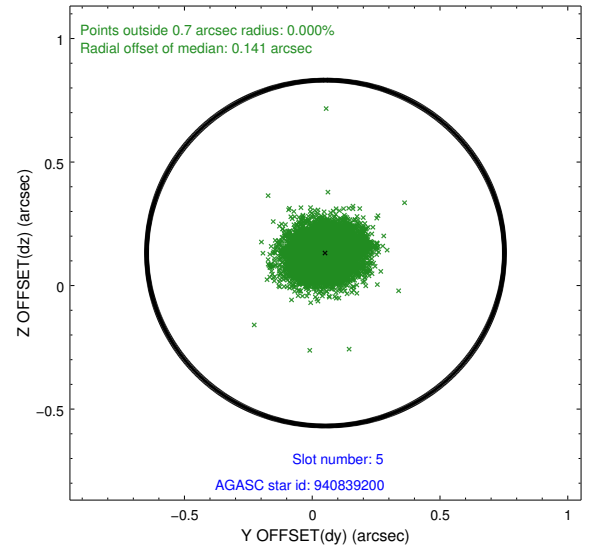
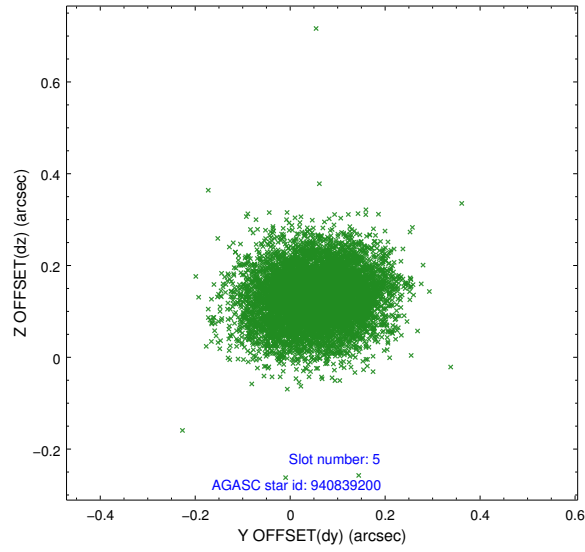
2.4.1 Slot 3



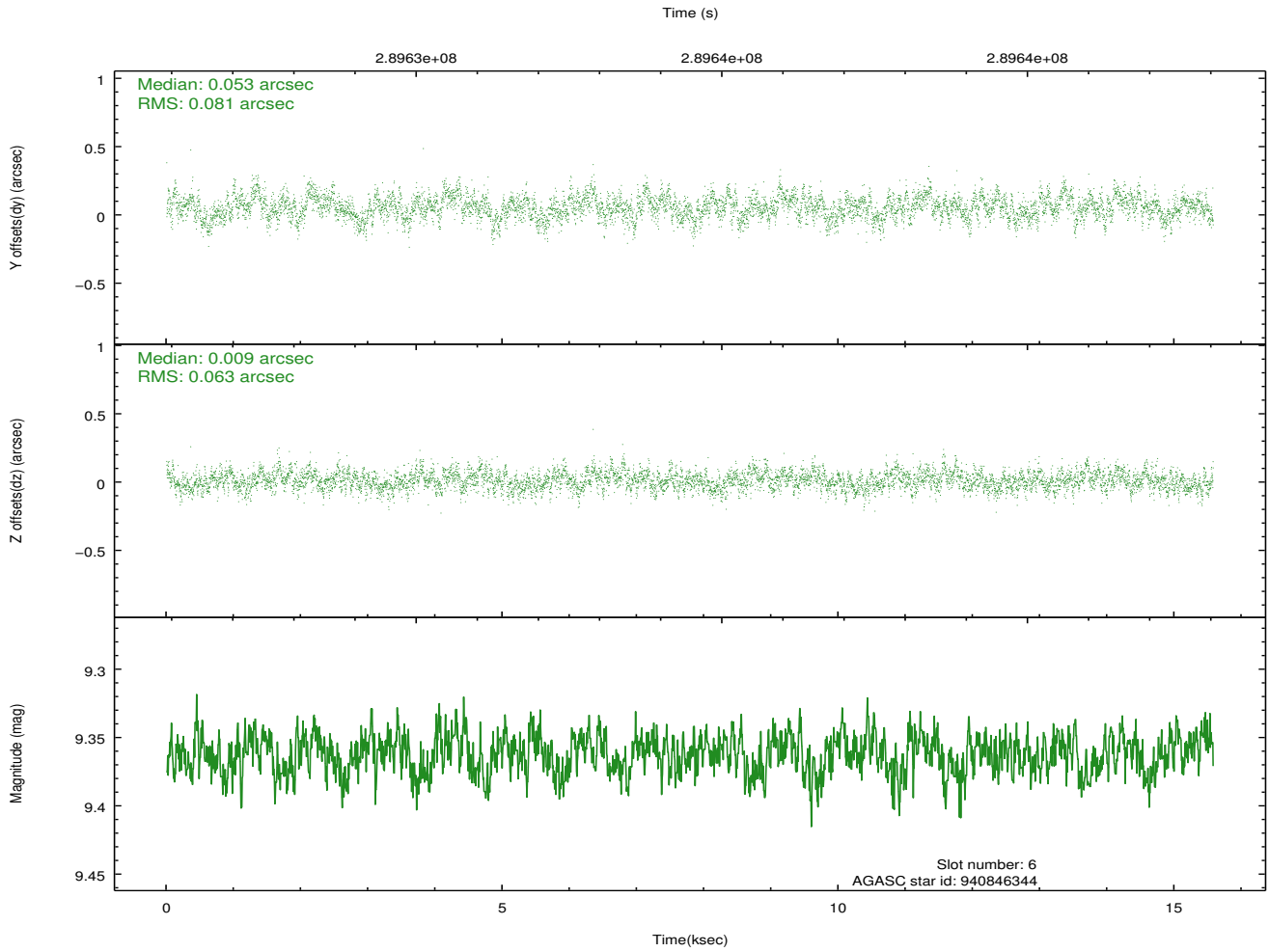
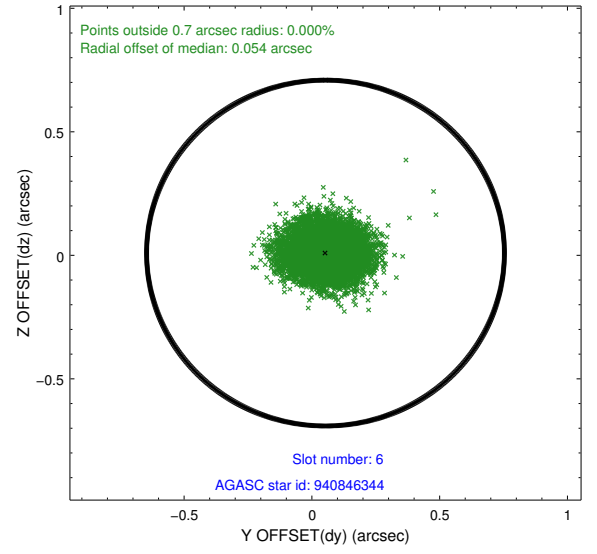
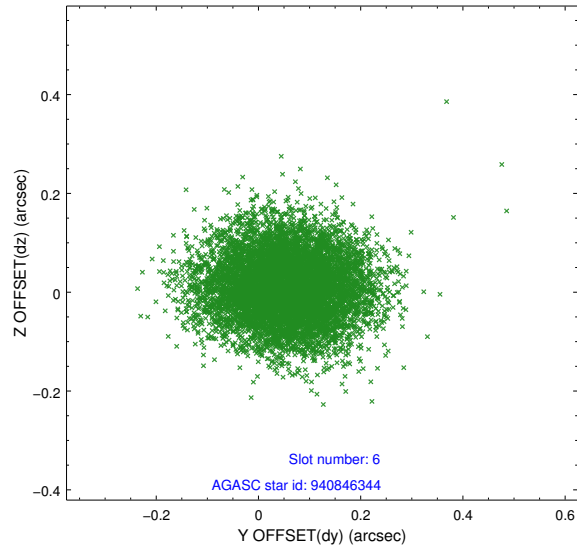
2.4.2 Slot 4



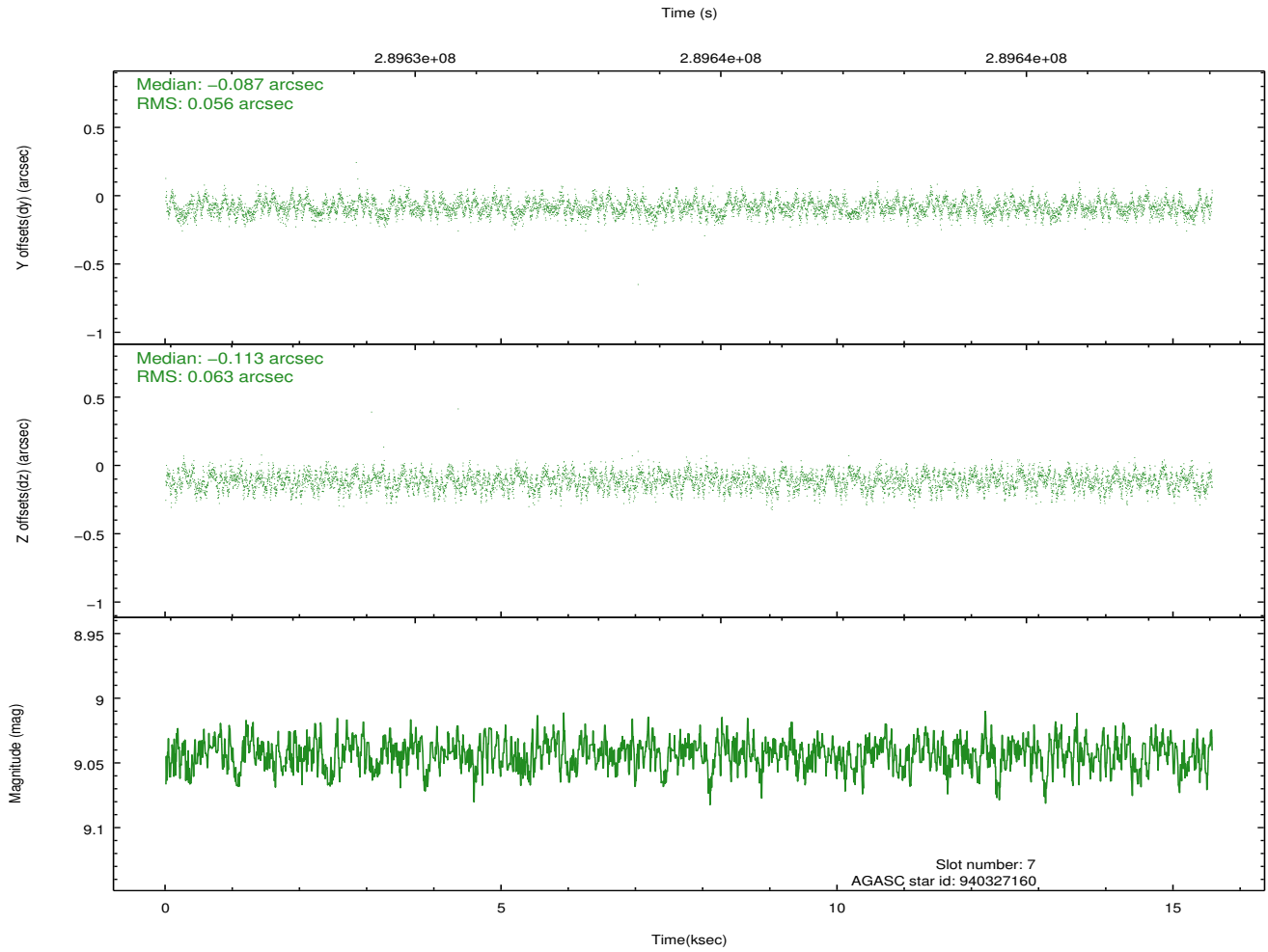
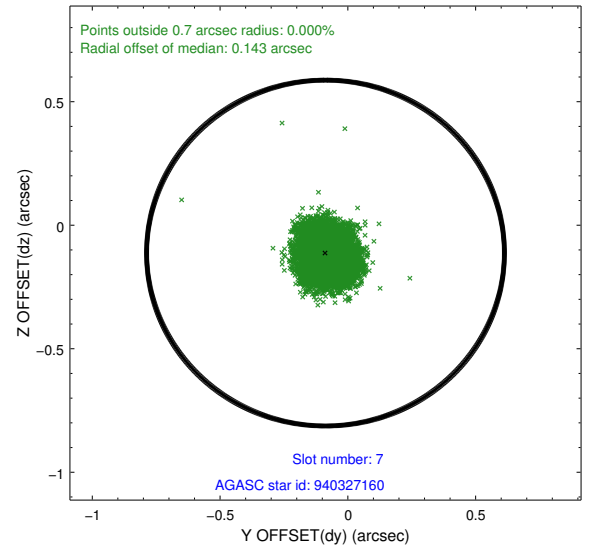
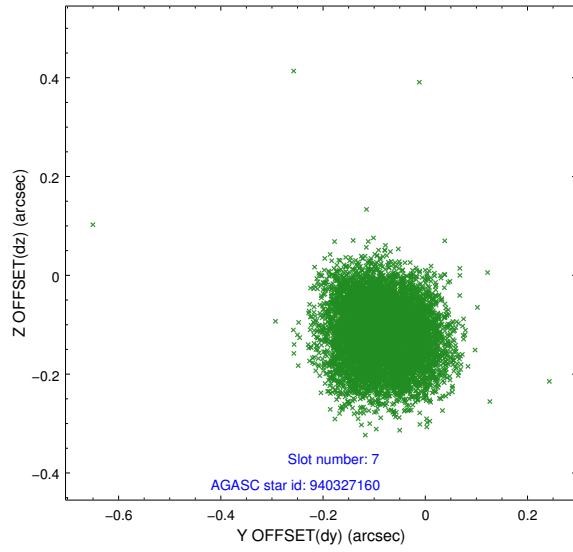
2.4.3 Slot 5



2.4.4 Slot 6

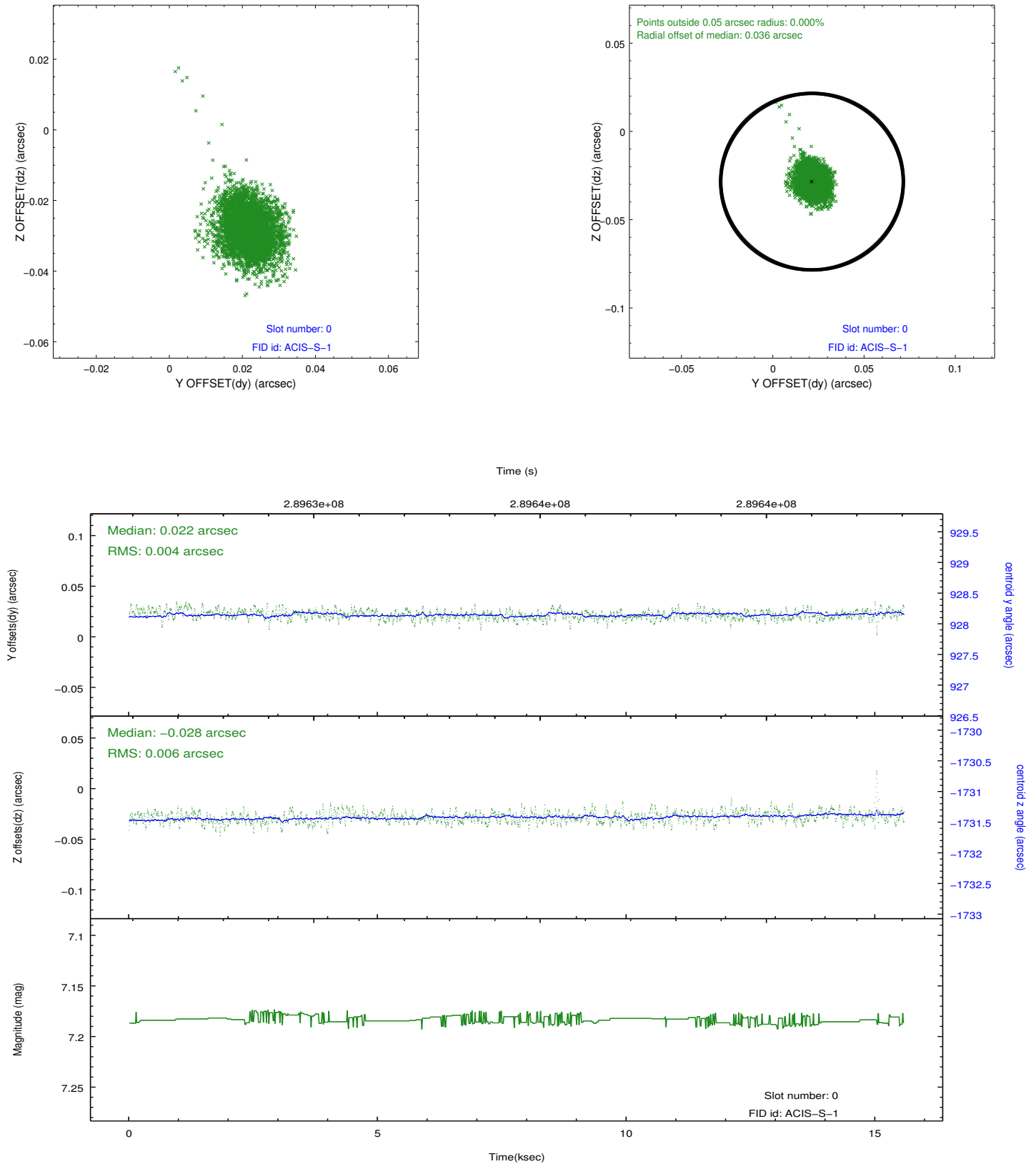


2.4.5 Slot 7

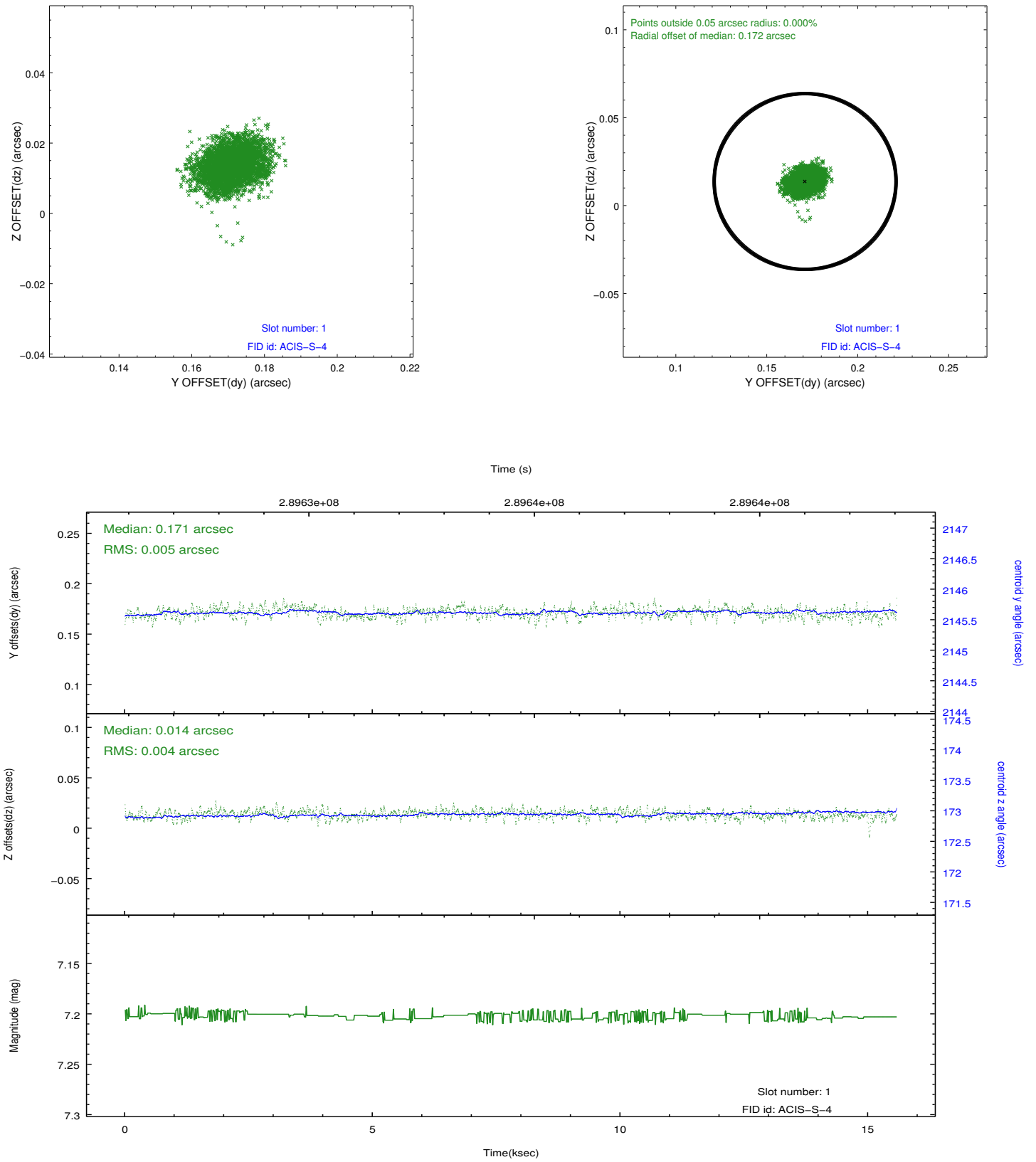


2.5 FID Slots

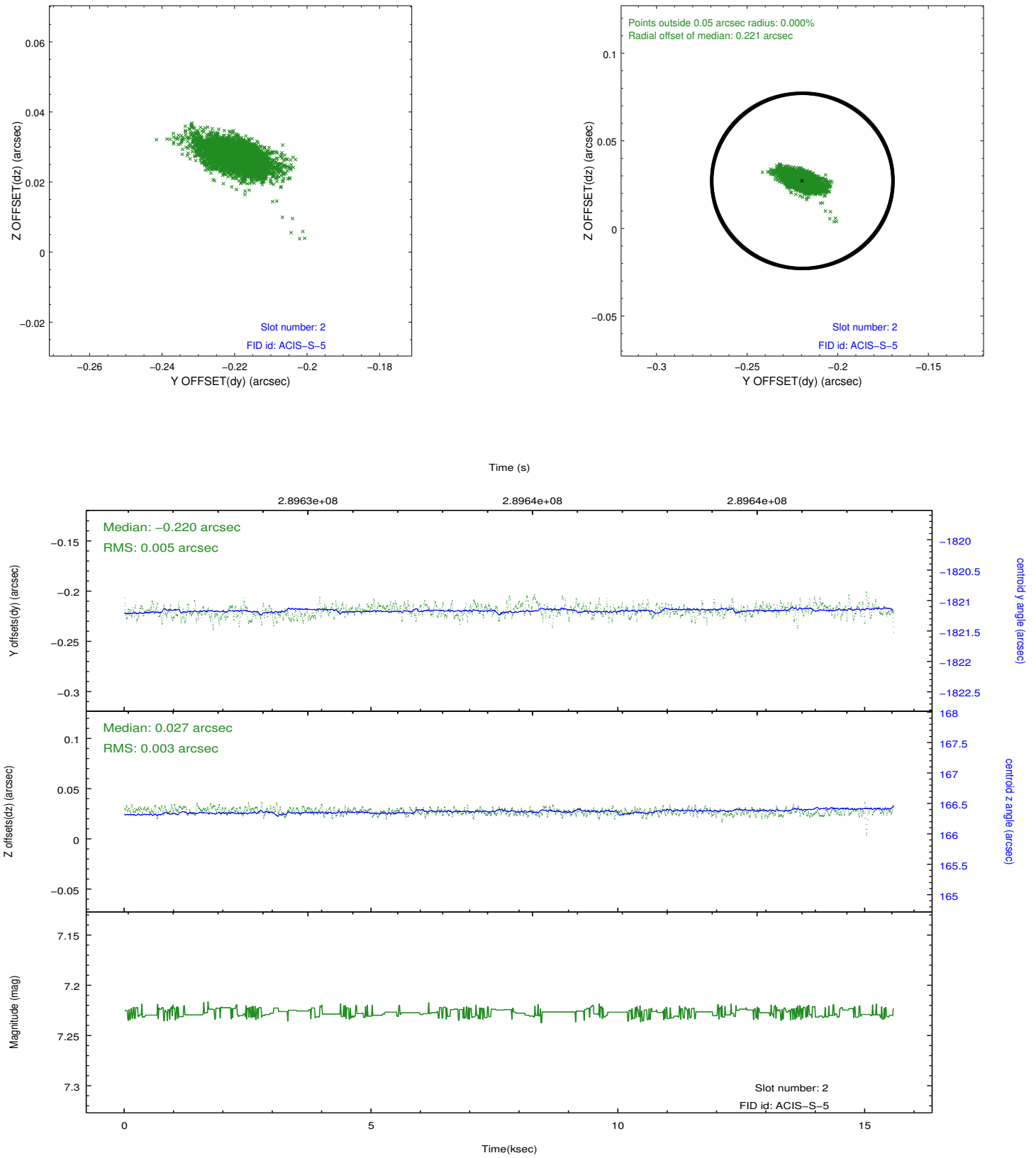
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.5439999

A.2 Comments