

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7811 - L2 Version 3
Chandra X-Ray Center

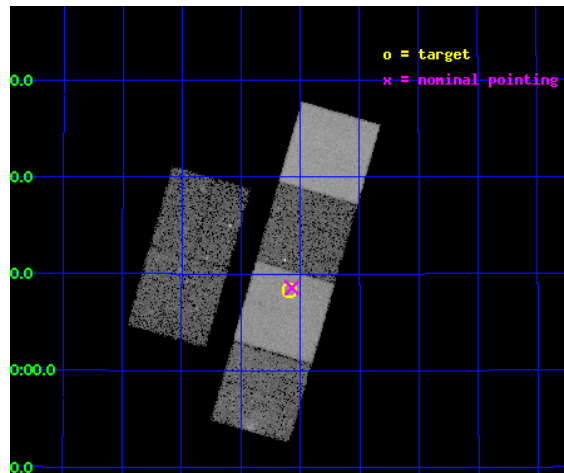
L2 Processing Date : Apr 20 2012

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1 Front

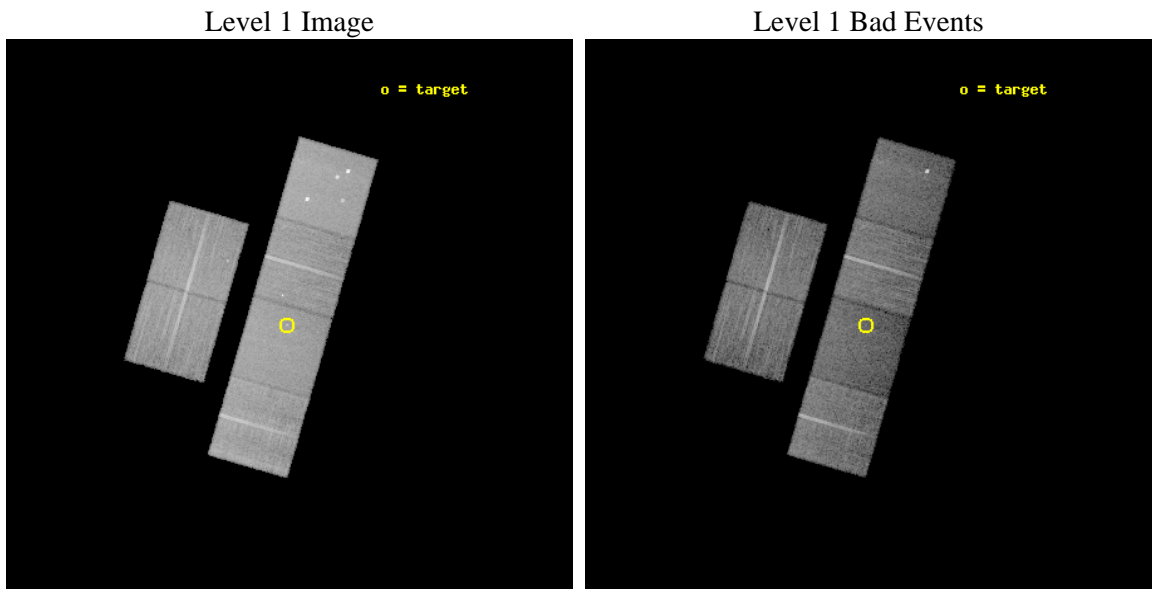
seq_num	701475	Sequence number
obs_id	7811	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	UGC 08387	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.147083	Observer's specified target RA [deg]
dec_targ	34.1395	Observer's specified target Dec [deg]
ra_nom	200.14271351455	Nominal RA [deg]
dec_nom	34.14278534369	Nominal Dec [deg]
roll_nom	106.13579152388	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14252.799946964	Sum of GTIs [s]
livetime	14072.32241203	Livetime [s]
ontime2	14252.799946964	Sum of GTIs [s]
ontime3	14249.558956683	Sum of GTIs [s]
ontime5	14252.799946964	Sum of GTIs [s]
ontime6	14252.799946964	Sum of GTIs [s]
ontime7	14252.799946964	Sum of GTIs [s]
ontime8	14252.799946964	Sum of GTIs [s]
l2events	165970	Number of level 2 events



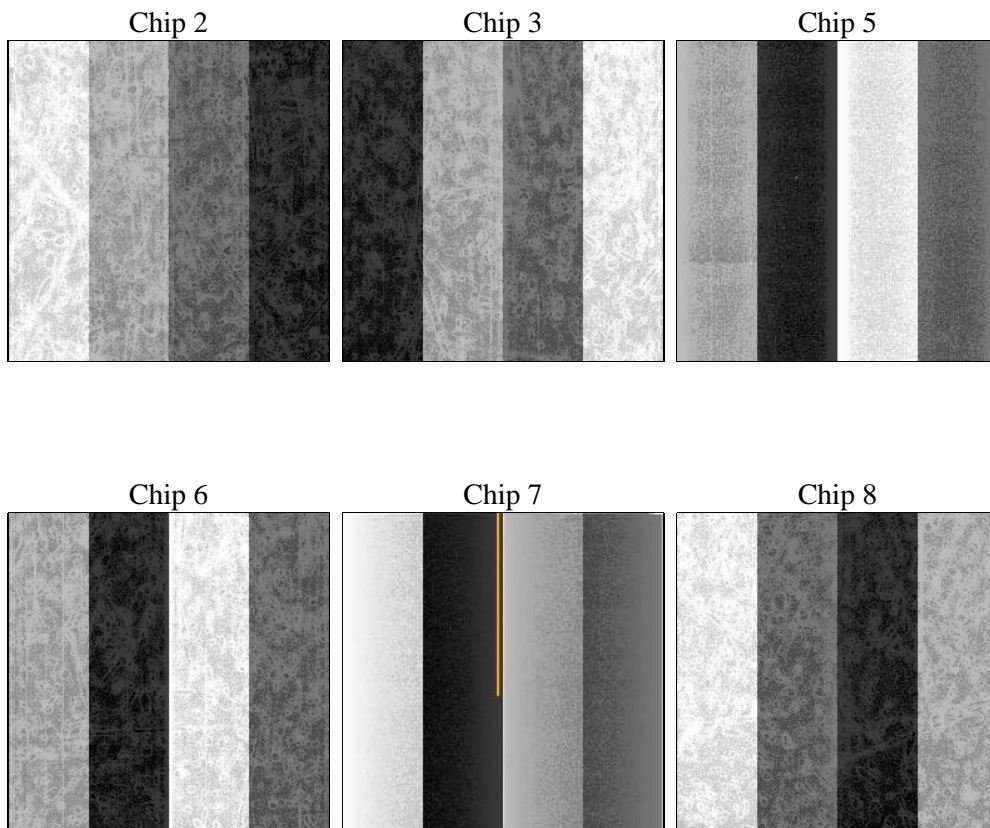
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14252.799946964	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	14252.799946964	Sum of GTIs [s]
date	2012-04-20T04:56:22	Date and time of file creation	ontime3	14249.558956683	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	14252.799946964	Sum of GTIs [s]
			ontime6	14252.799946964	Sum of GTIs [s]
			ontime7	14252.799946964	Sum of GTIs [s]
			ontime8	14252.799946964	Sum of GTIs [s]
			l1events	761865	Number of level 1 events

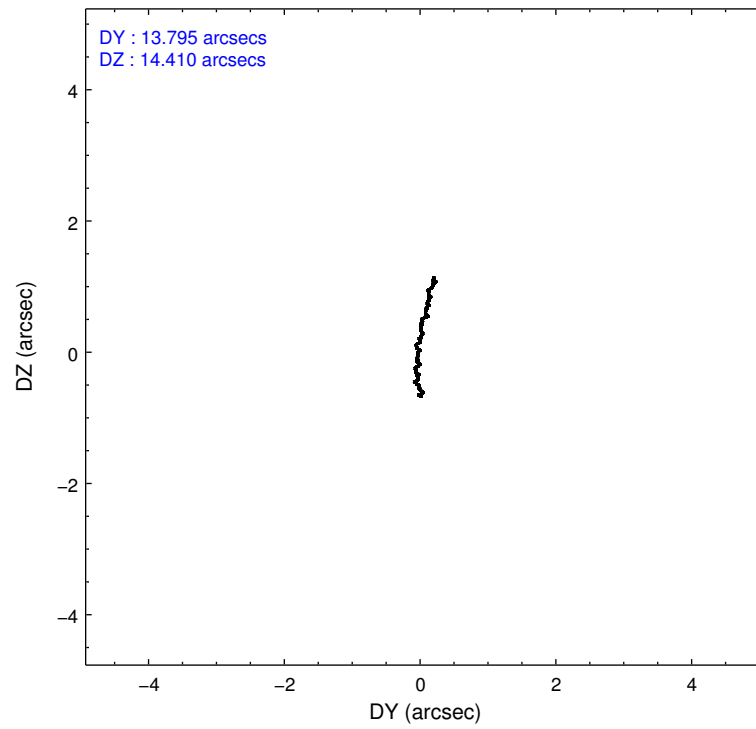
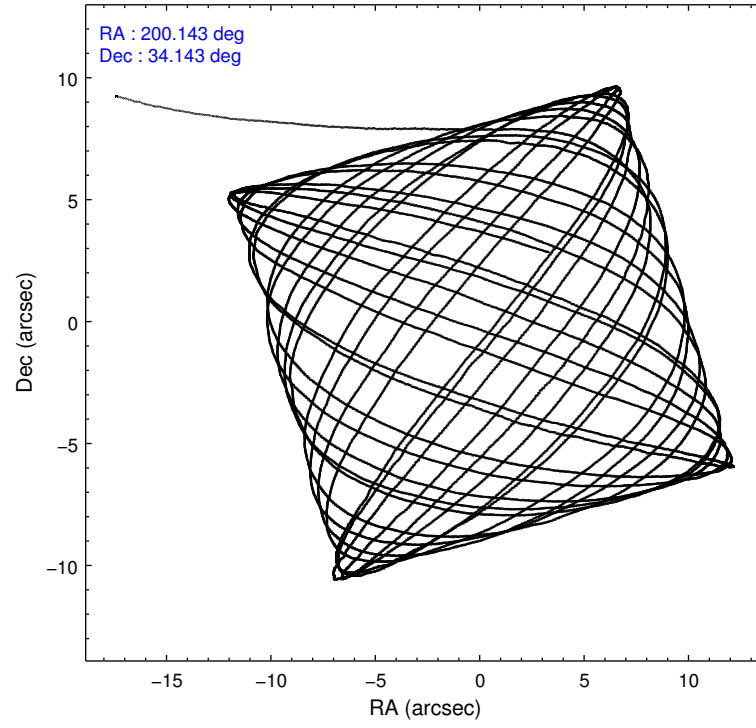
2.1.4 Events

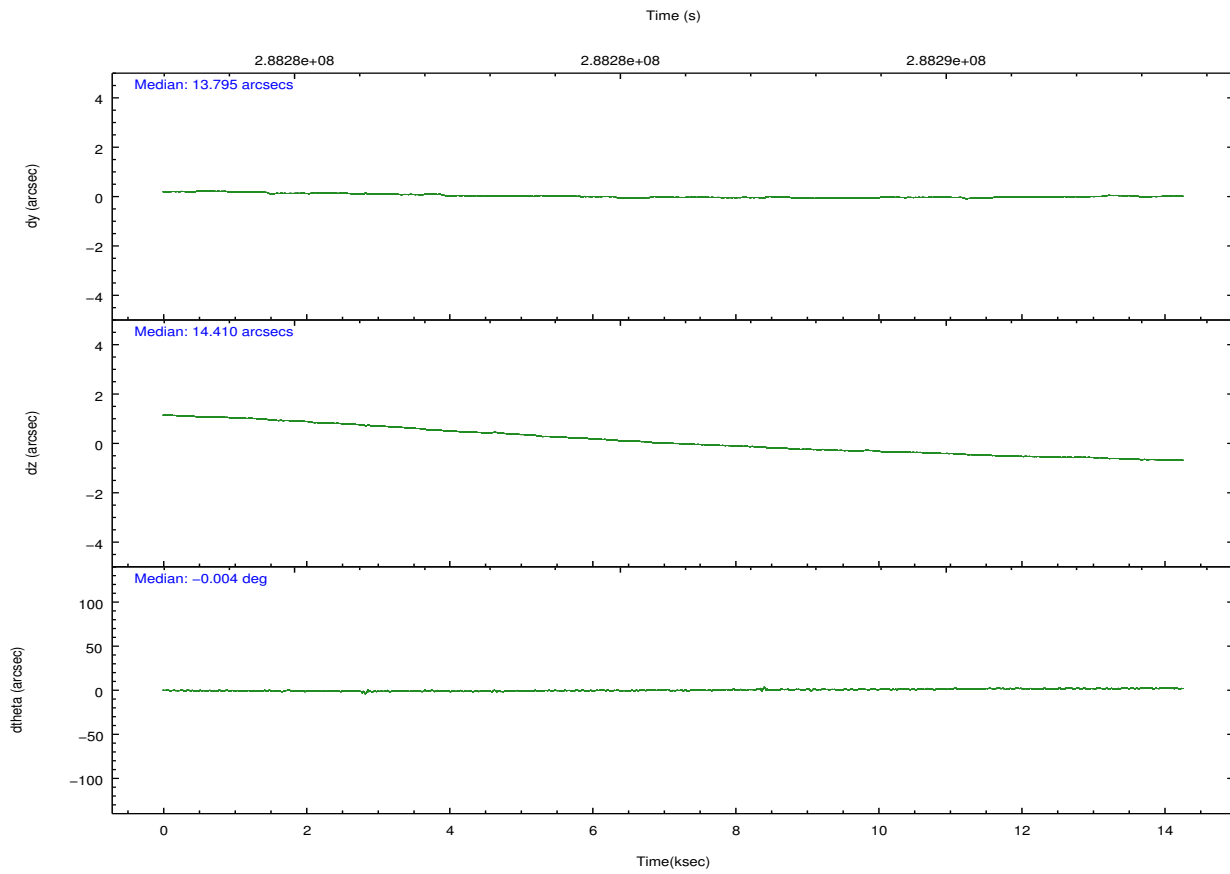
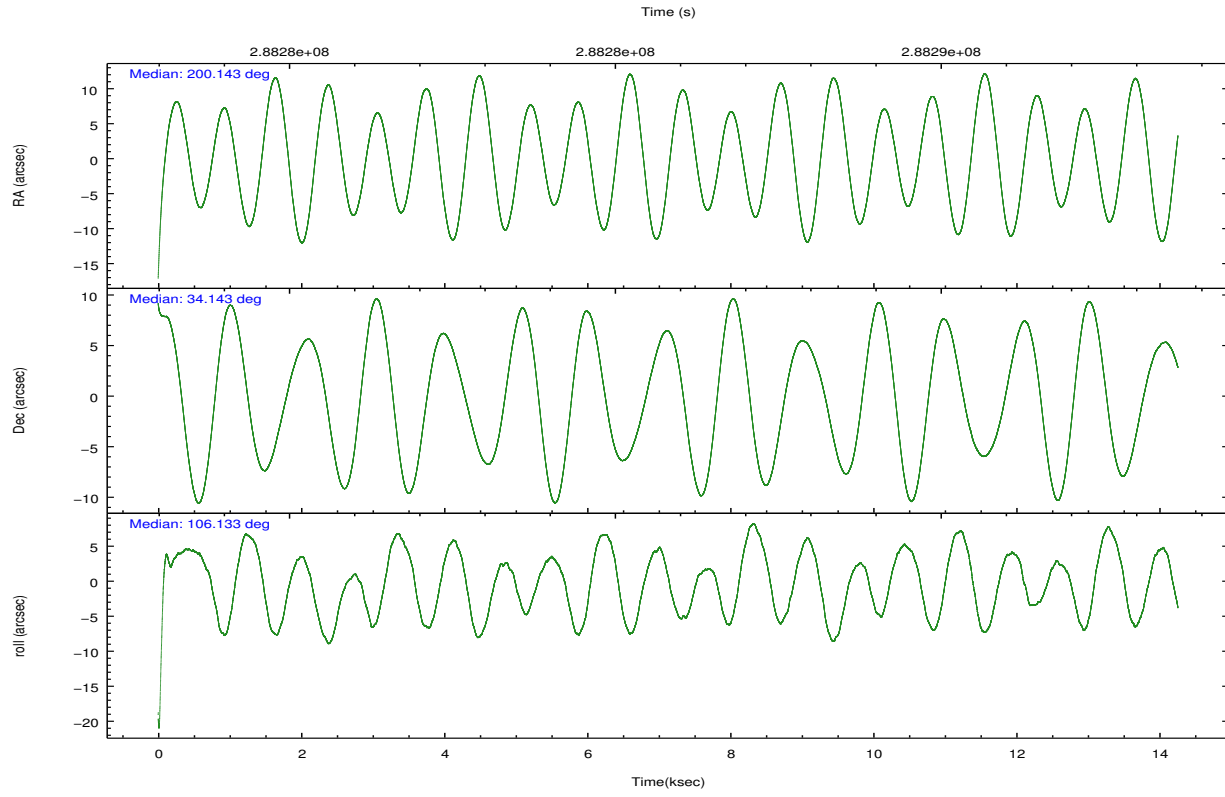
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	118189	108212	157991	114839	123550	139084	grade 0 events	4130	3650	12320	4423	5423	11222
rejected events	107217	97955	77745	102906	67180	104882		3%	3%	7%	3%	4%	8%
rejected %	90%	90%	49%	89%	54%	75%	grade 1 events	74	64	351	116	171	114
								0%	0%	0%	0%	0%	0%
							grade 2 events	2669	2288	23501	2626	11400	7502
								2%	2%	14%	2%	9%	5%
							grade 3 events	1124	1208	3329	1243	5408	3709
								0%	1%	2%	1%	4%	2%
							grade 4 events	1176	1147	3115	1272	5370	3389
								0%	1%	1%	1%	4%	2%
							grade 5 events	3700	4155	12434	4438	13048	6521
								3%	3%	7%	3%	10%	4%
							grade 6 events	1977	2033	38740	2463	29221	8681
								1%	1%	24%	2%	23%	6%
							grade 7 events	103339	93667	64201	98258	53509	97946
								87%	86%	40%	85%	43%	70%

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	200.166859	200.1427135145462	CCD I2 on	O1	Y
[deg] Pointing Dec	34.124080	34.14278534369031	CCD I3 on	O2	Y
[deg] Pointing Roll	105.965644	106.1357915238831	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	288278839.184000	288277717.73313	CCD S5 on	N	N
Observation start date	2007-02-19T13:26:14	2007-02-19T13:08:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	288292939.184000	288293483.77138	On-chip summing requested	N	N
Observation end date	2007-02-19T17:21:14	2007-02-19T17:31:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



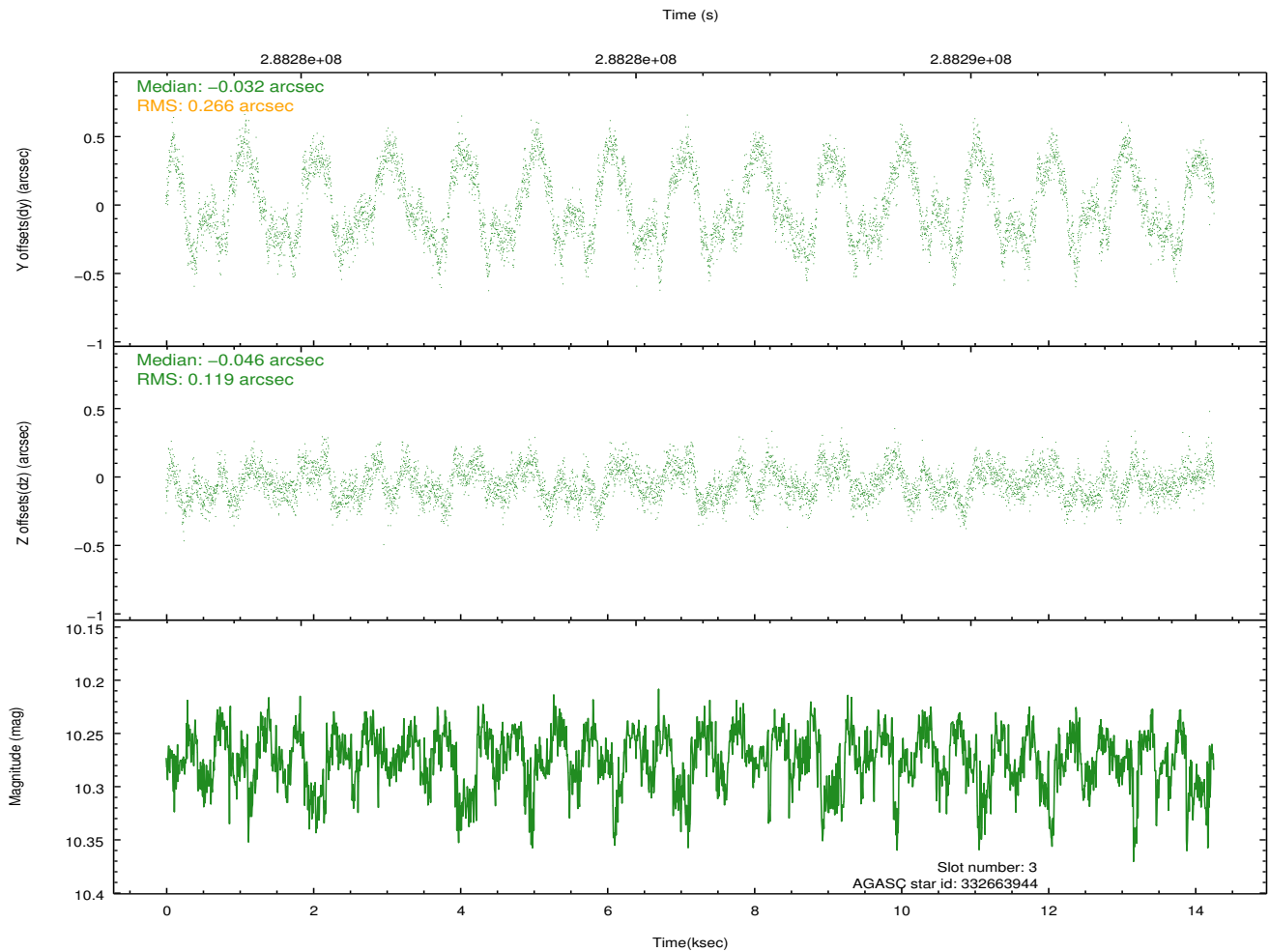
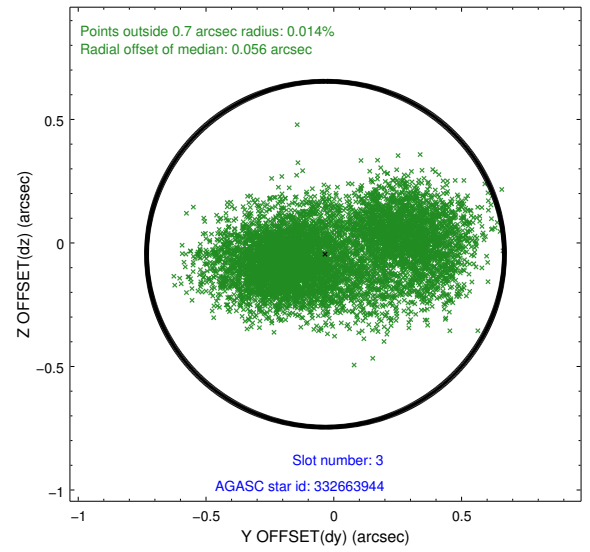
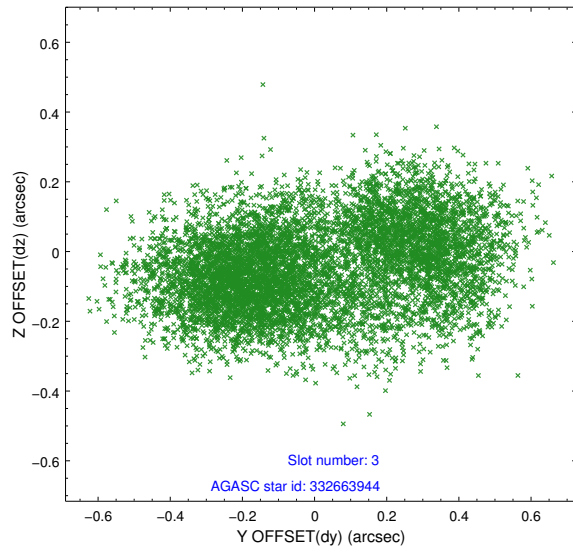


Slot Statistics

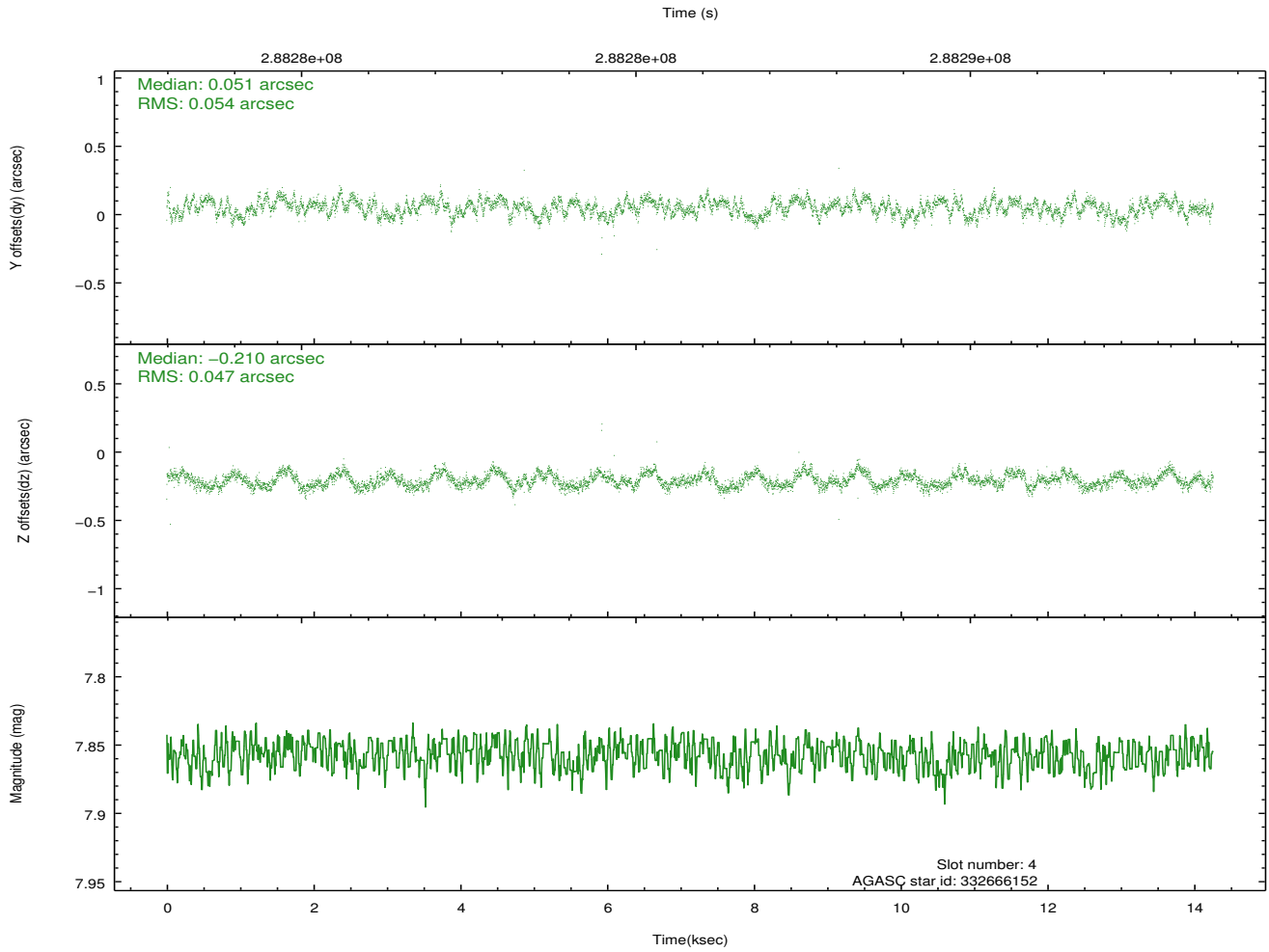
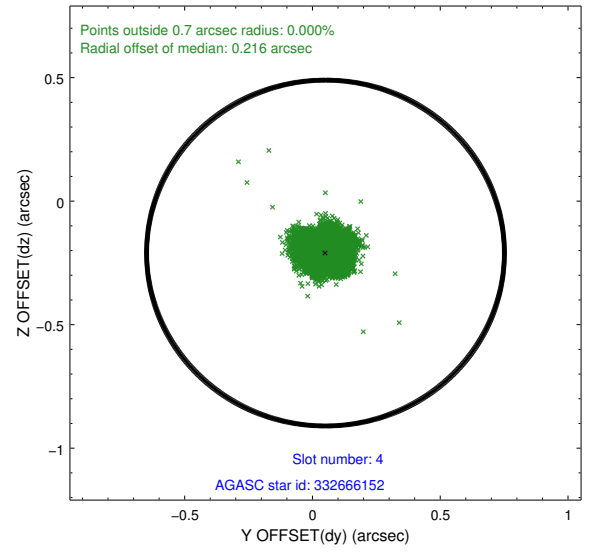
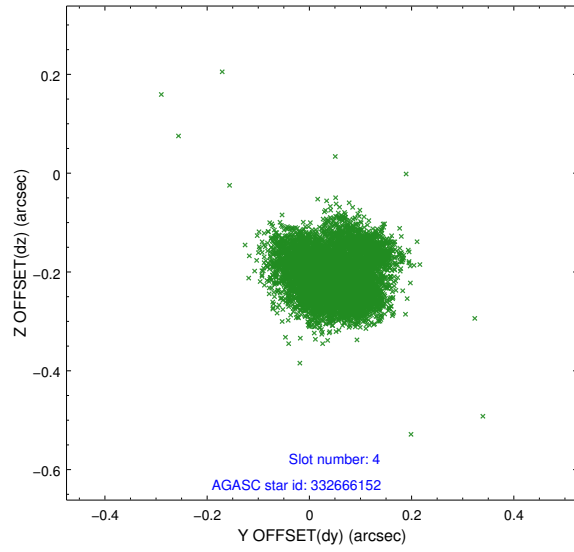
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3478	-0.059	-0.059	0.017	0.025	0.000000	0.000000	-766.81	-1735.90
1	FID	ACIS-S-4	7.20	3477	0.198	0.044	0.013	0.022	0.000000	0.000000	2146.57	172.37
2	FID	ACIS-S-5	7.23	3478	-0.172	0.024	0.016	0.023	0.000000	0.000000	-1819.36	166.36
3	GUIDE	332663944	10.27	6944	-0.032	-0.046	0.319	0.491	199.668469	34.614938	2108.39	932.96
4	GUIDE	332666152	7.86	6956	0.051	-0.210	0.078	0.119	199.716427	33.438695	-1997.01	1978.86
5	GUIDE	332668240	9.92	6946	-0.166	0.178	0.206	0.319	200.683713	33.779536	-1614.65	-1146.33
6	GUIDE	332664168	10.21	6947	0.028	-0.132	0.193	0.296	199.227599	34.478335	2004.97	2326.03
7	GUIDE	332664528	9.64	6944	0.075	0.209	0.148	0.243	200.284302	34.849455	2416.28	-1050.27

2.4 Star Slots

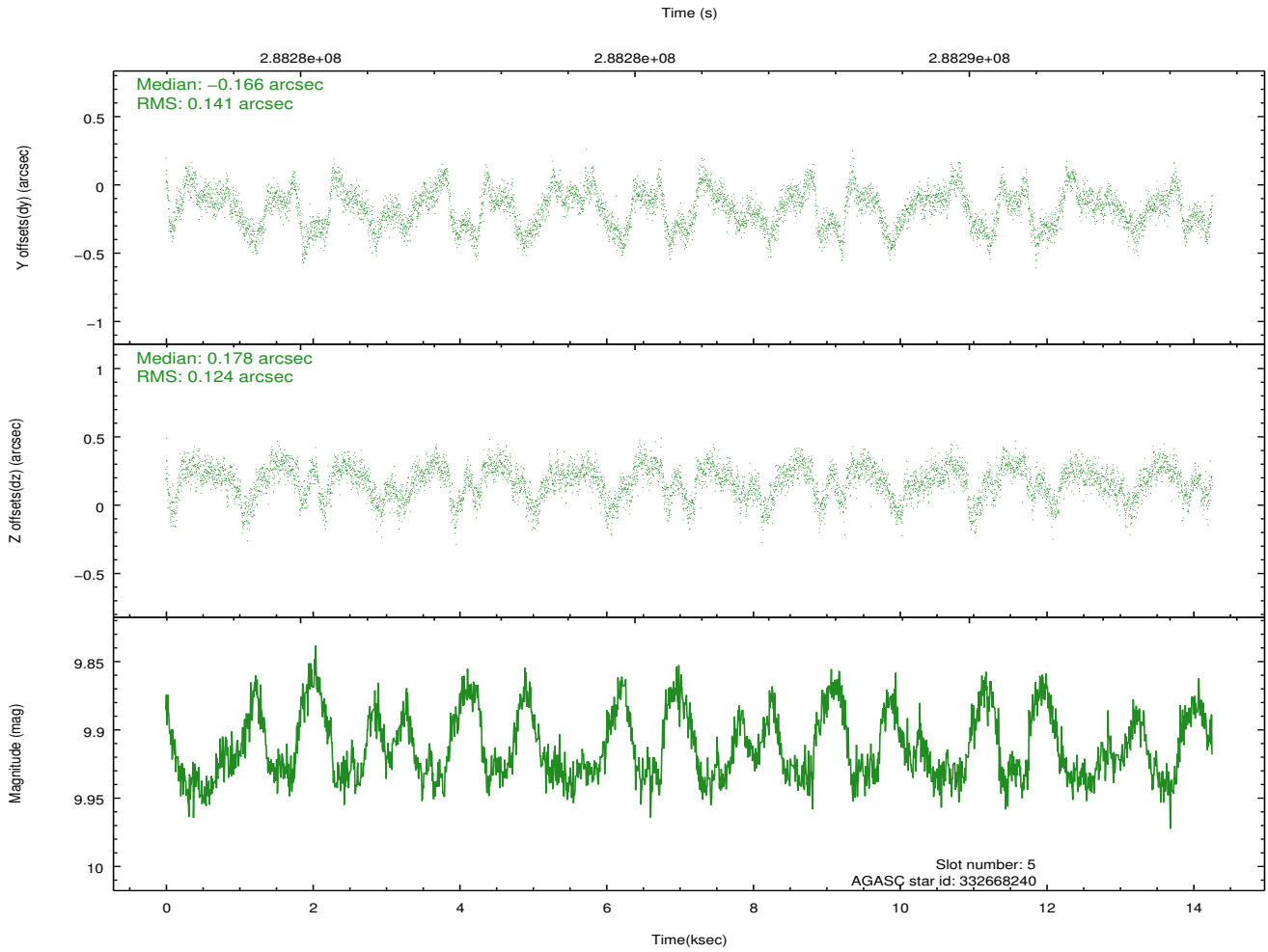
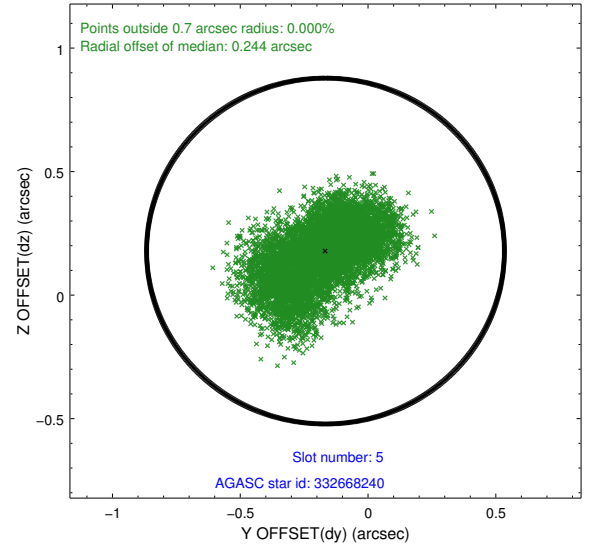
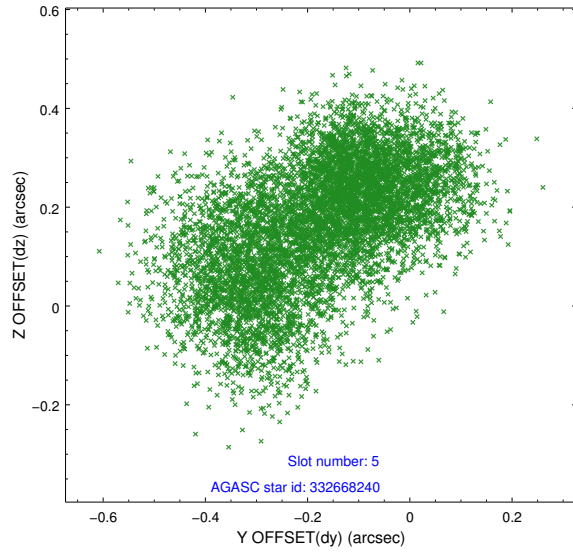
2.4.1 Slot 3



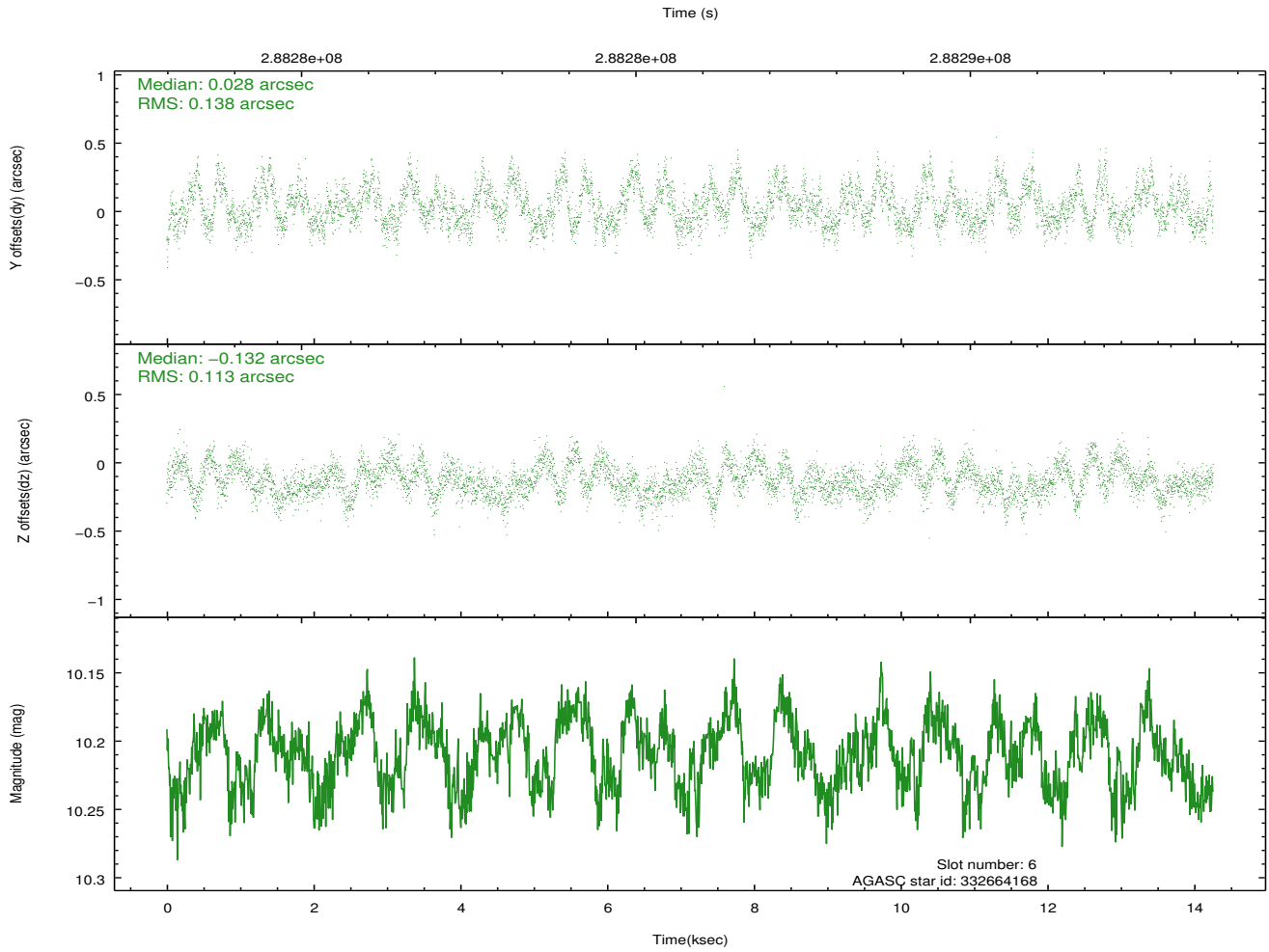
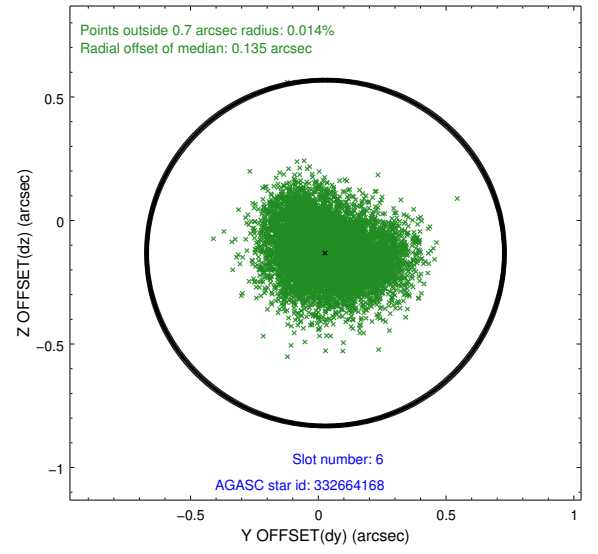
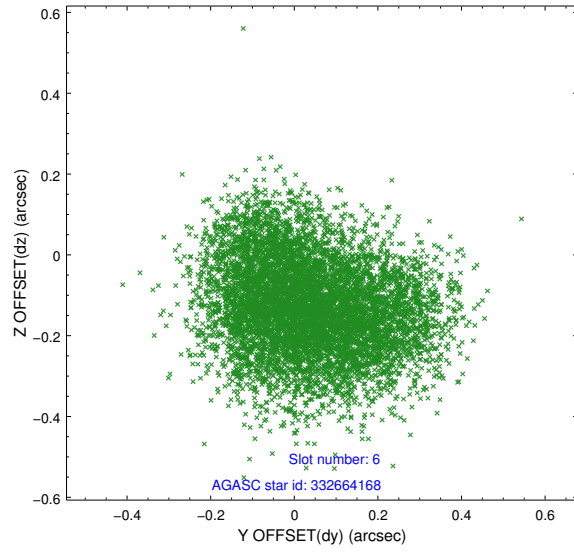
2.4.2 Slot 4



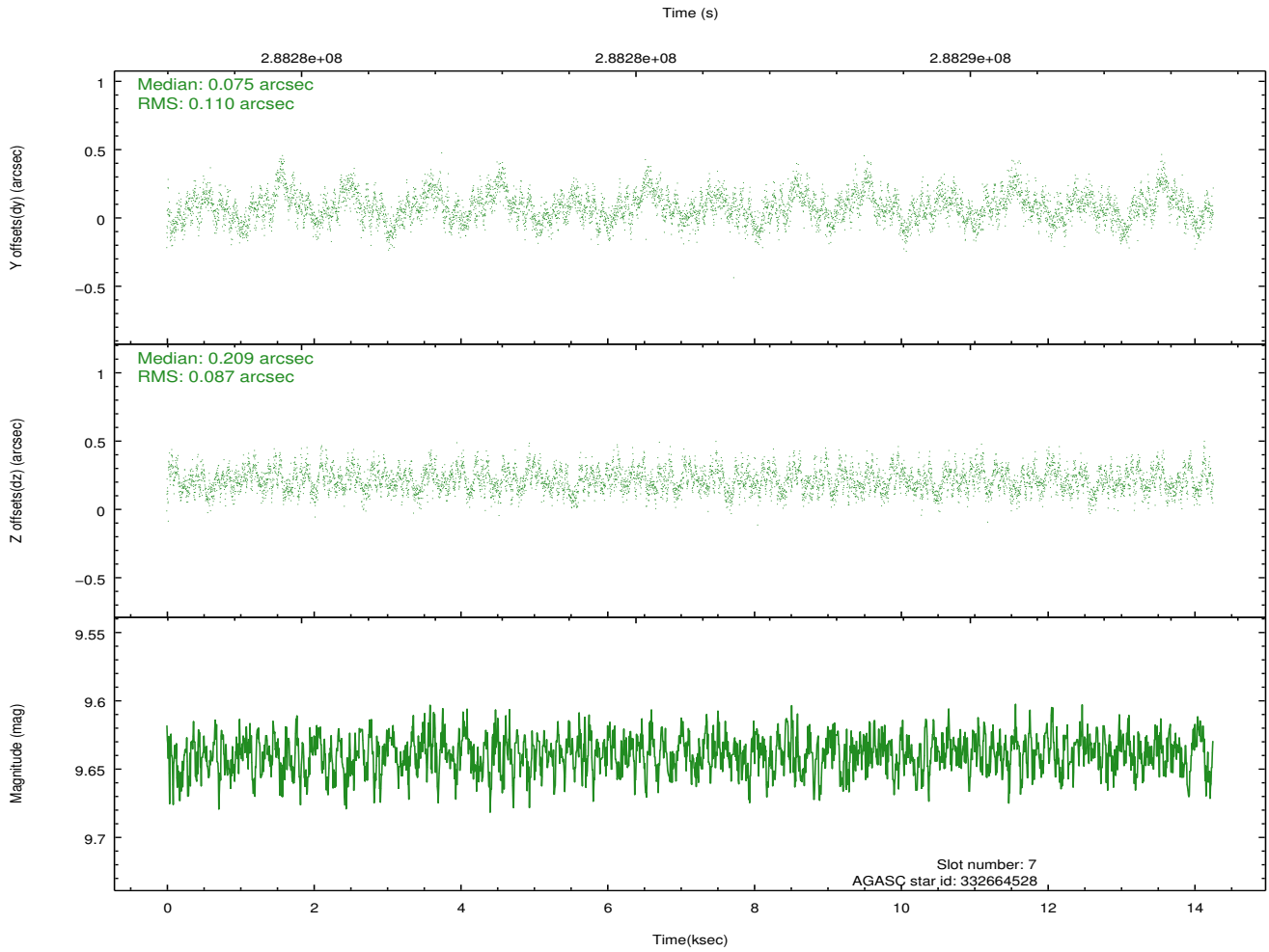
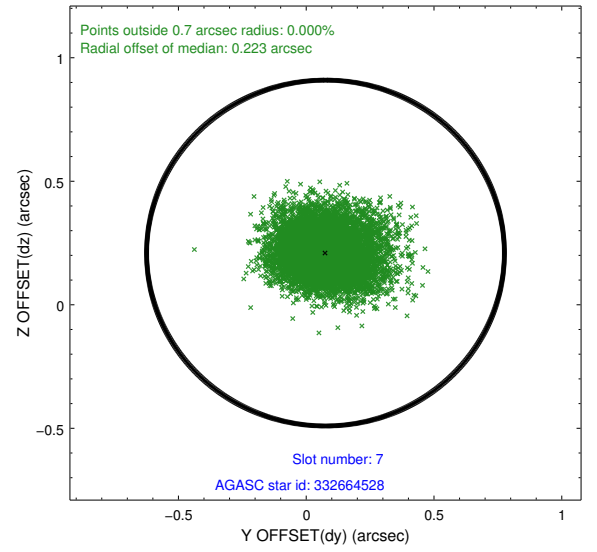
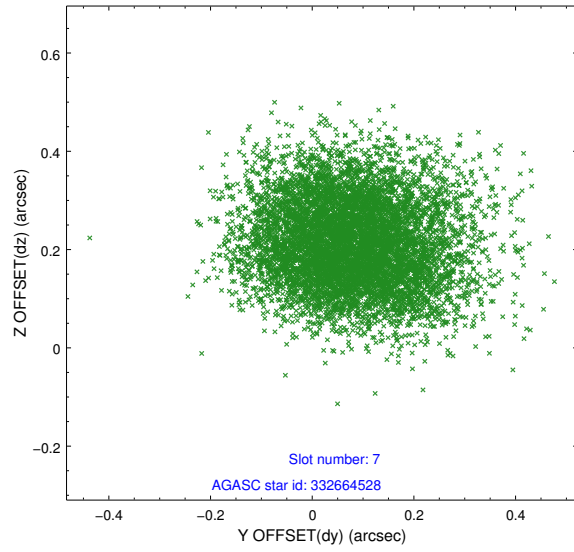
2.4.3 Slot 5



2.4.4 Slot 6

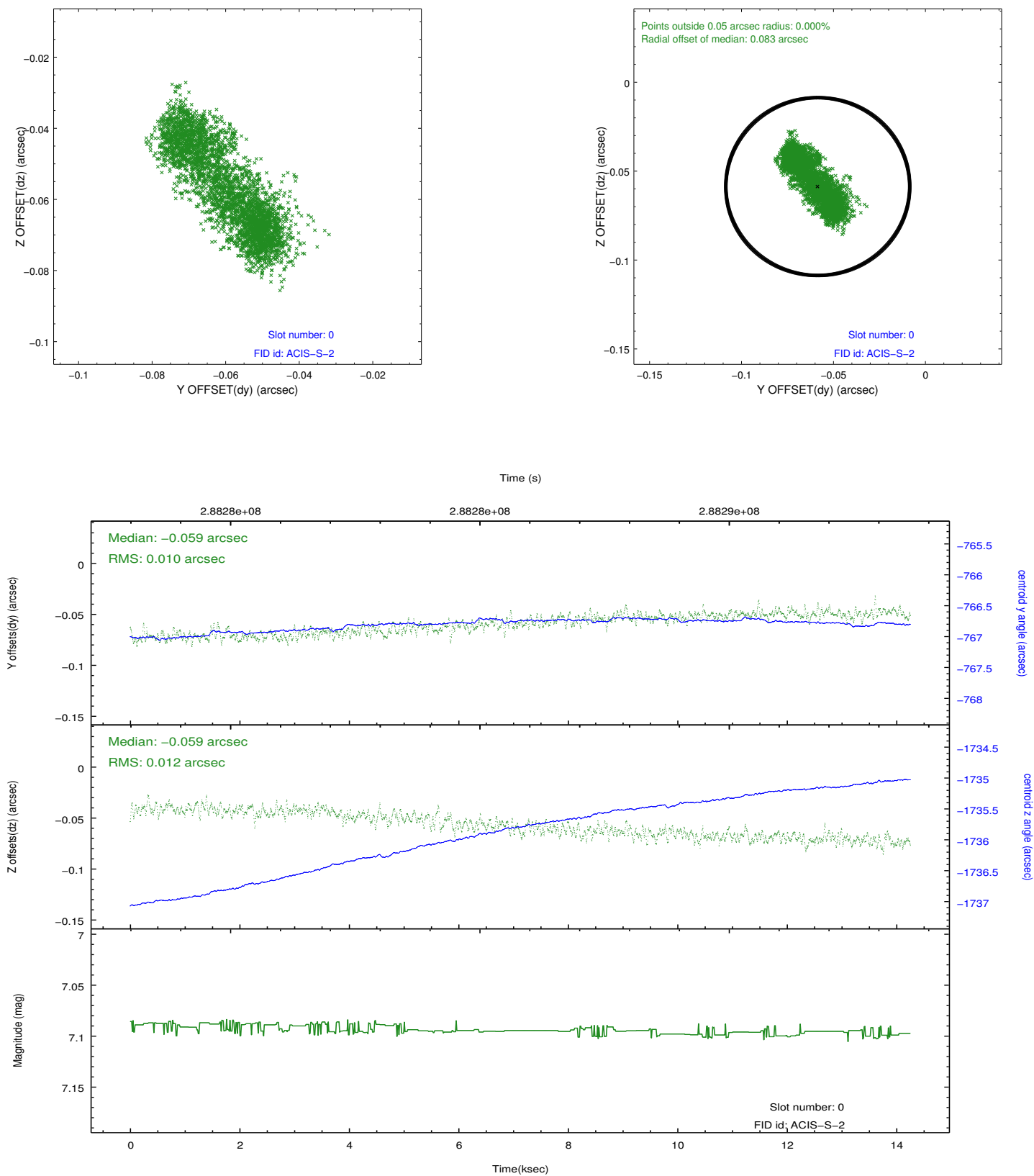


2.4.5 Slot 7

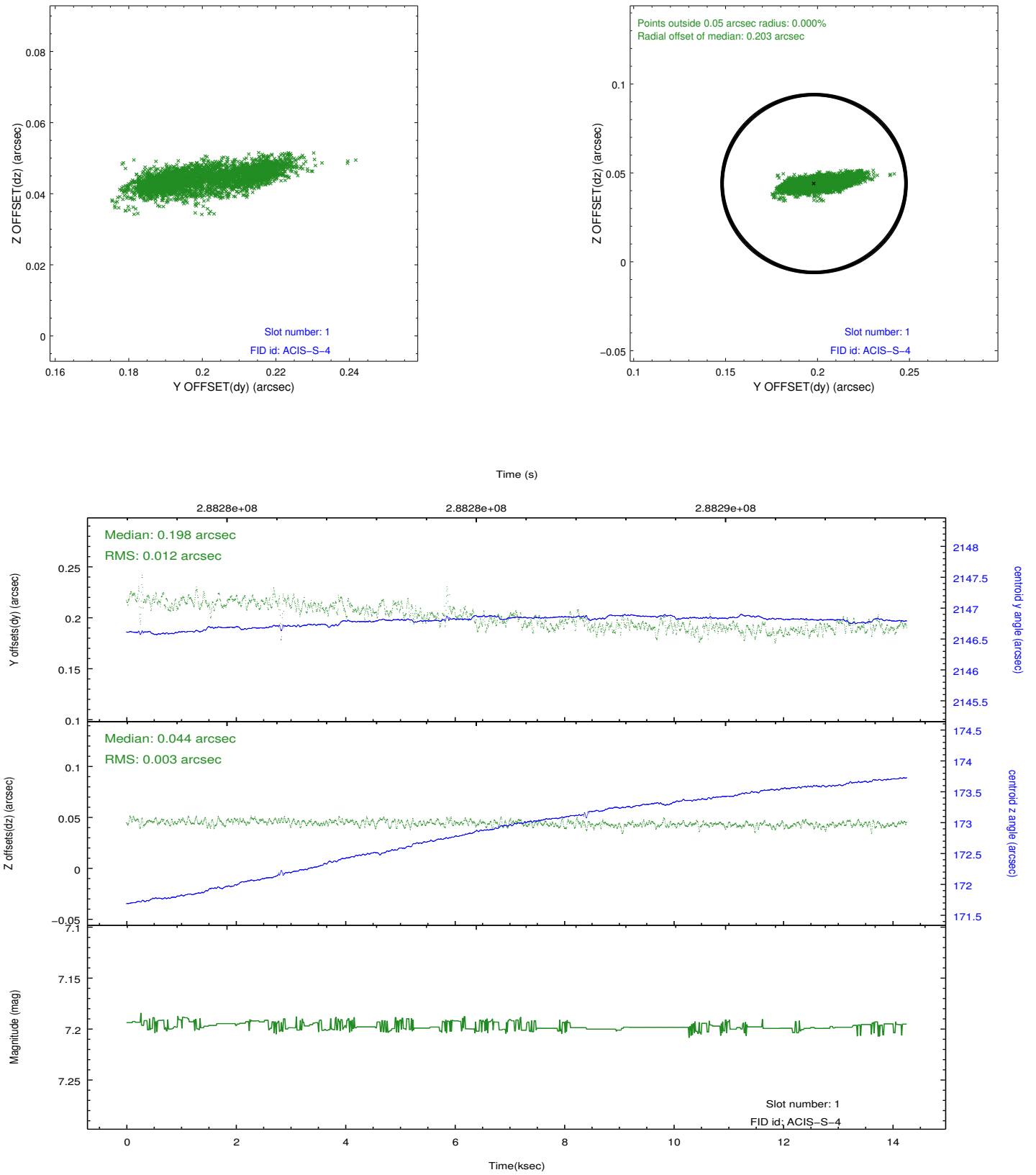


2.5 FID Slots

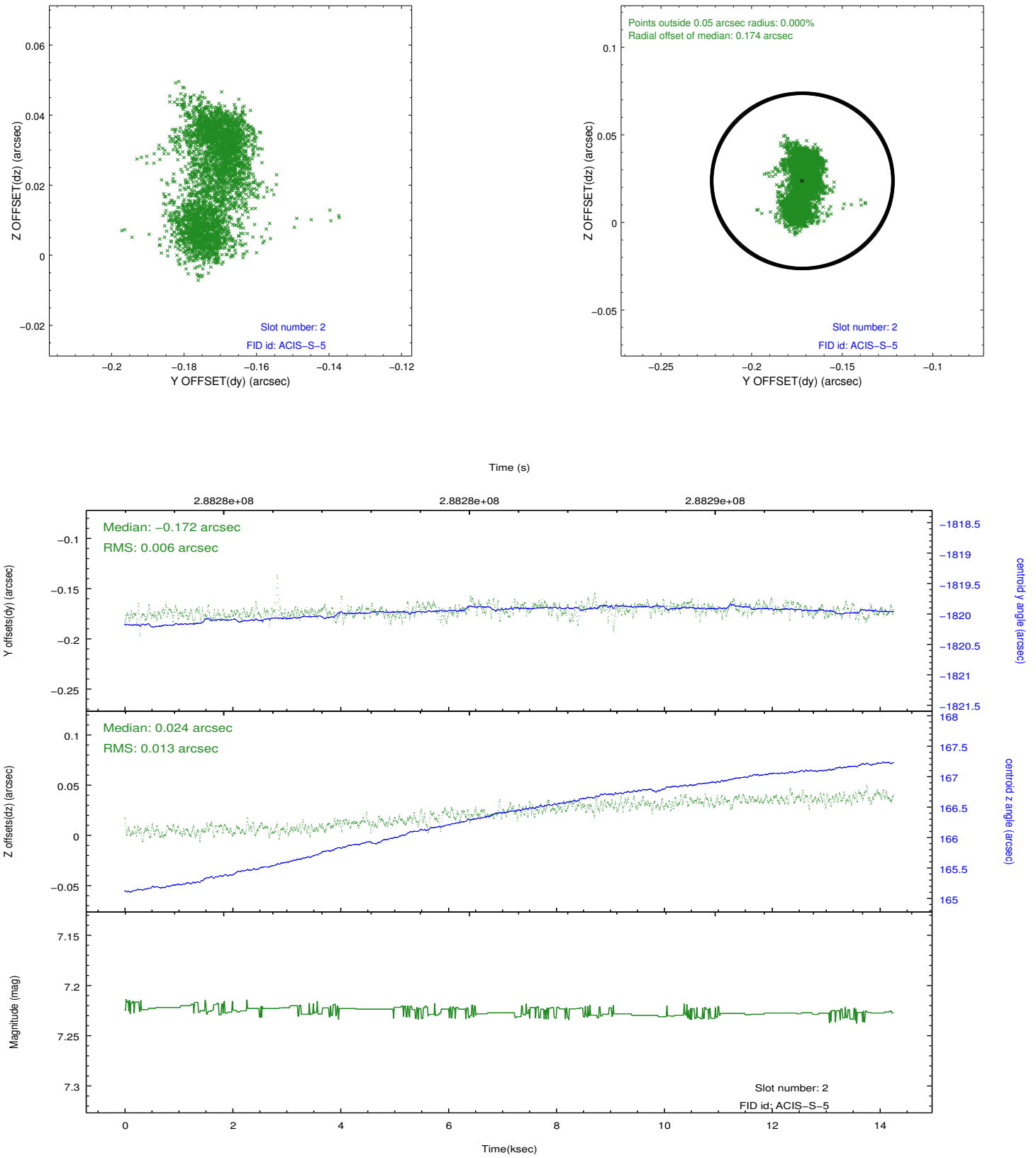
2.5.1 Slot 0



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	14.2527999

A.2 Comments