

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13165 - L2 Version 2
Chandra X-Ray Center

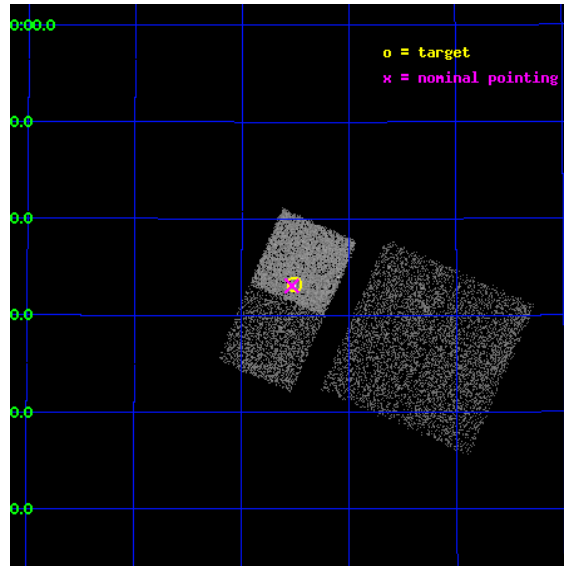
L2 Processing Date : Jul 6 2012

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1 Front

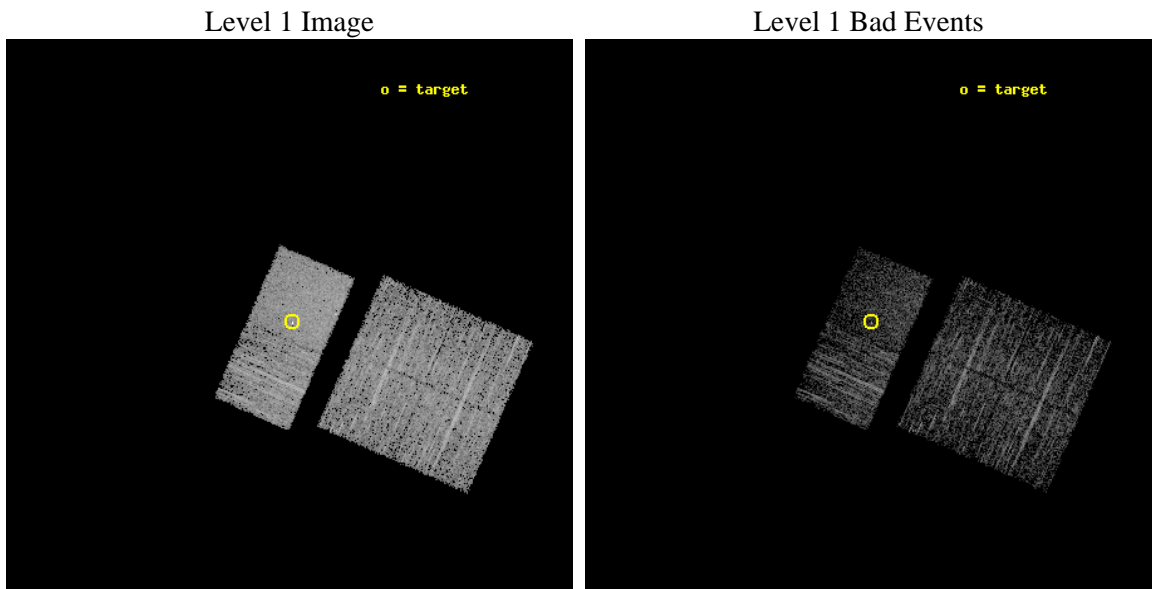
seq_num	401285	Sequence number
obs_id	13165	Observation id
title	Confirming the low-mass X-ray binaries in the Kepler field	Proposa
observer	Dr Jifeng Liu	Principal investigator
object	J192630.6+413314	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	291.6275	Observer's specified target RA [deg]
dec_targ	41.553889	Observer's specified target Dec [deg]
ra_nom	291.63298351859	Nominal RA [deg]
dec_nom	41.551317084036	Nominal Dec [deg]
roll_nom	293.75941431354	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2758.3999897838	Sum of GTIs [s]
livetime	2723.4714682041	Livetime [s]
ontime0	2758.3999897838	Sum of GTIs [s]
ontime1	2758.3999897838	Sum of GTIs [s]
ontime2	2758.3999897838	Sum of GTIs [s]
ontime3	2758.3999897838	Sum of GTIs [s]
ontime6	2758.3999897838	Sum of GTIs [s]
ontime7	2758.3999897838	Sum of GTIs [s]
l2events	21624	Number of level 2 events



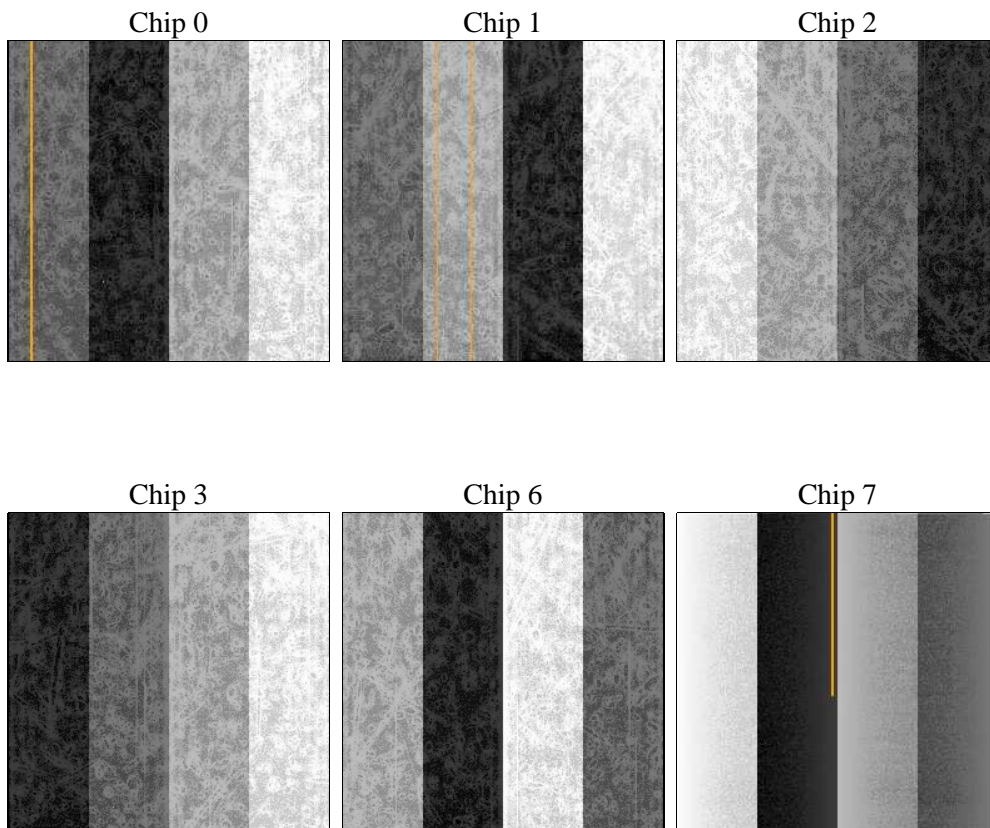
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.402000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2758.3999897838	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	2758.3999897838	Sum of GTIs [s]
date	2012-07-06T12:19:18	Date and time of file creation	ontime1	2758.3999897838	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2758.3999897838	Sum of GTIs [s]
			ontime3	2758.3999897838	Sum of GTIs [s]
			ontime6	2758.3999897838	Sum of GTIs [s]
			ontime7	2758.3999897838	Sum of GTIs [s]
			l1events	122121	Number of level 1 events

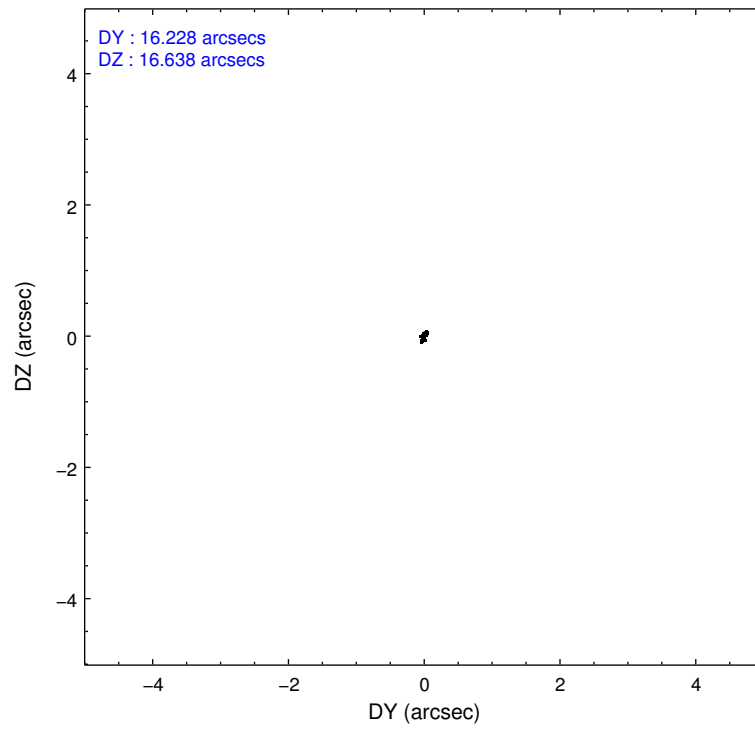
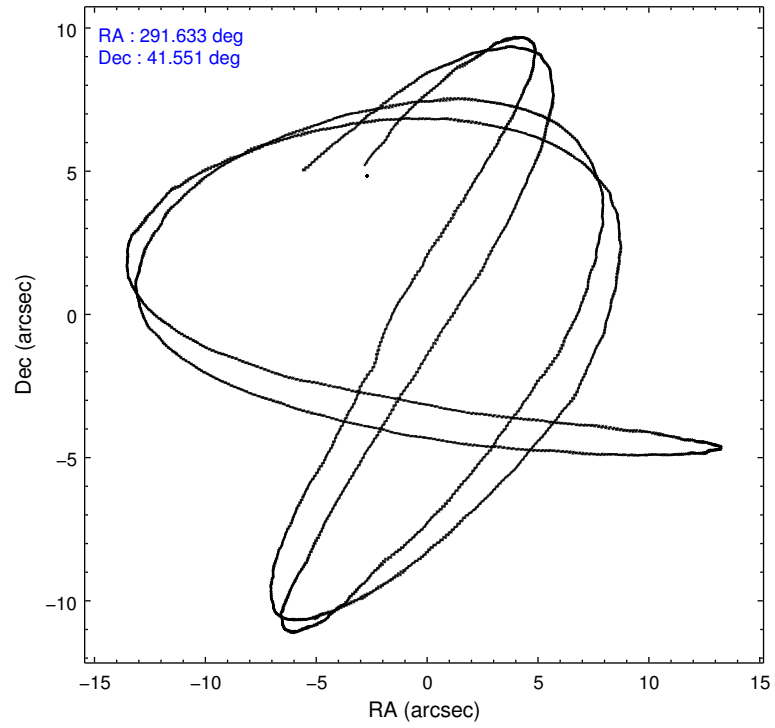
2.1.4 Events

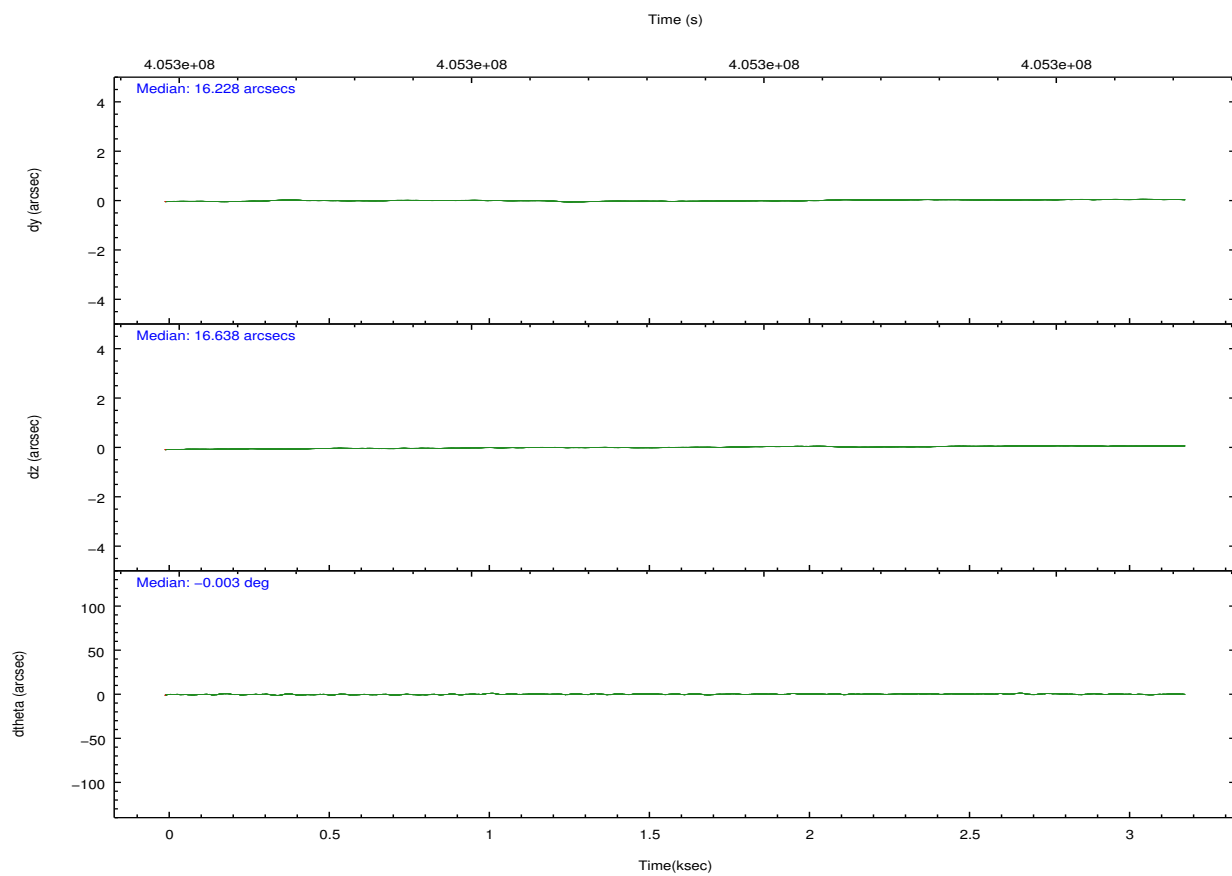
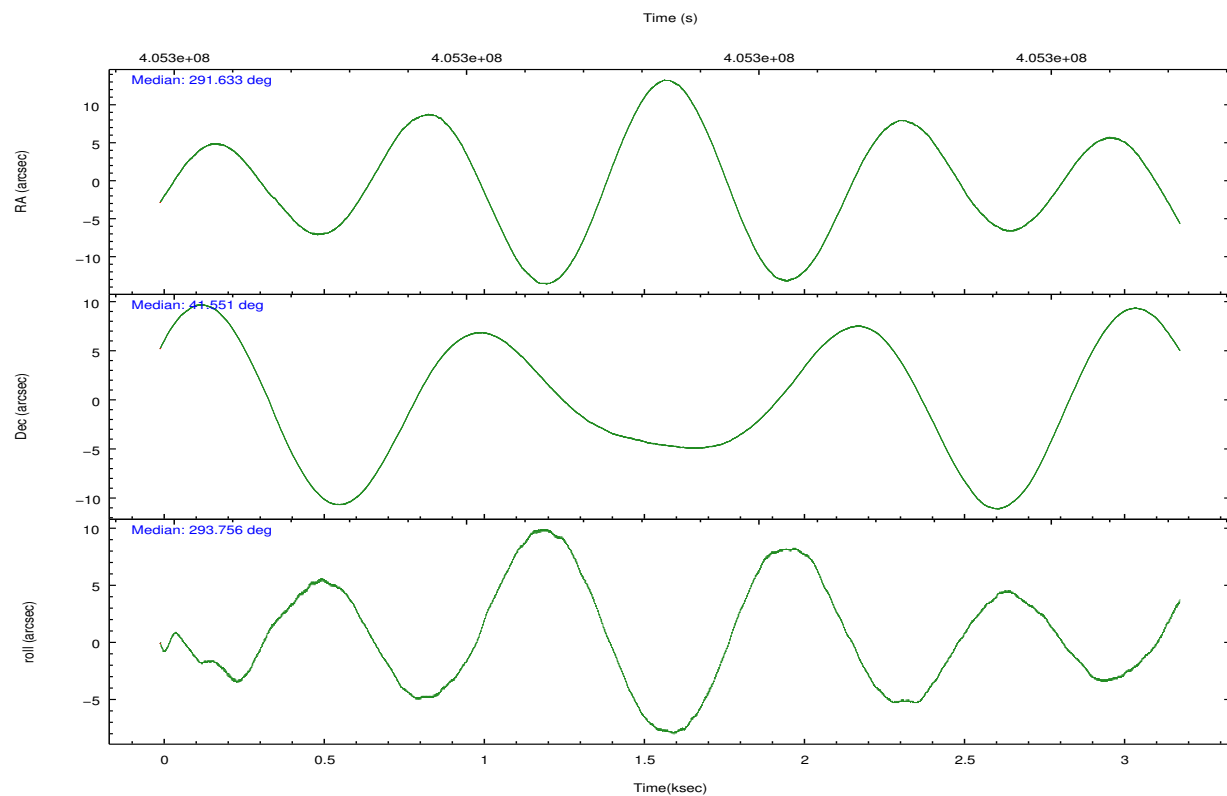
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19019	18114	19053	18447	22241	25247	grade 0 events	787	865	807	822	1243	1346
rejected events	16739	15724	16844	16305	19424	13337		4%	4%	4%	4%	5%	5%
rejected %	88%	86%	88%	88%	87%	52%	grade 1 events	18	8	16	11	13	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	537	559	546	444	551	2451
								2%	3%	2%	2%	2%	9%
							grade 3 events	225	247	219	245	234	1062
								1%	1%	1%	1%	1%	4%
							grade 4 events	231	243	228	202	258	1037
								1%	1%	1%	1%	1%	4%
							grade 5 events	882	831	778	897	906	2616
								4%	4%	4%	4%	4%	10%
							grade 6 events	506	480	413	436	540	6050
								2%	2%	2%	2%	2%	23%
							grade 7 events	15833	14881	16046	15390	18496	10647
								83%	82%	84%	83%	83%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	291.603074	291.6329835185921	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.567003	41.55131708403552	Alternating exposures requested	N	N
[deg] Pointing Roll	293.622640	293.7594143135361	[s] Primary exposure time	0.000000	3.2
[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)	405298286.184000	405297833.31841			
Observation start date	2010-11-04T22:50:20	2010-11-04T22:43:53			
[s] Observation end time (MET)	405301286.184000	405301511.5311			
Observation end date	2010-11-04T23:40:20	2010-11-04T23:45:11			
Read mode	TIMED	TIMED			

2.3 Aspect



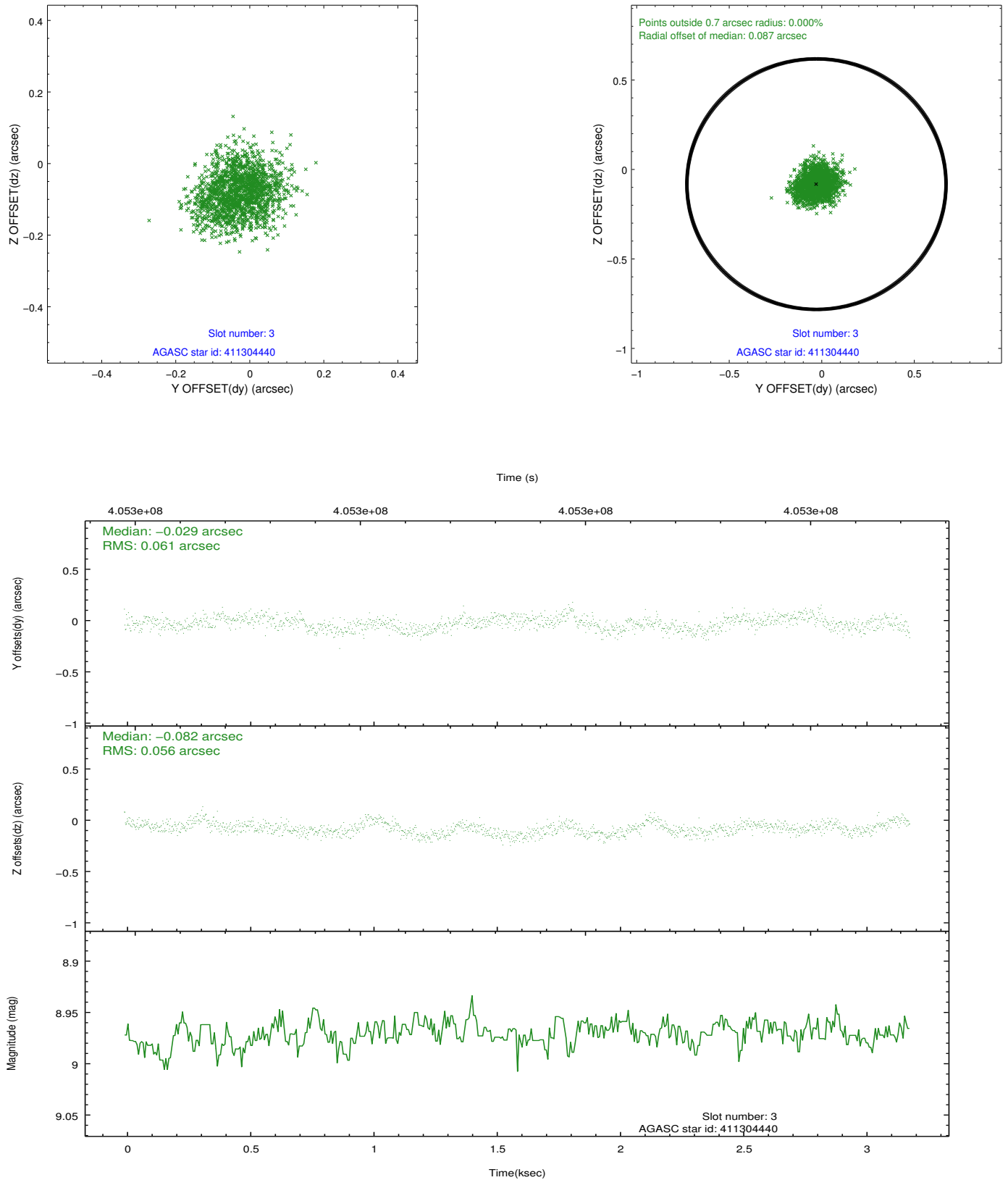


Slot Statistics

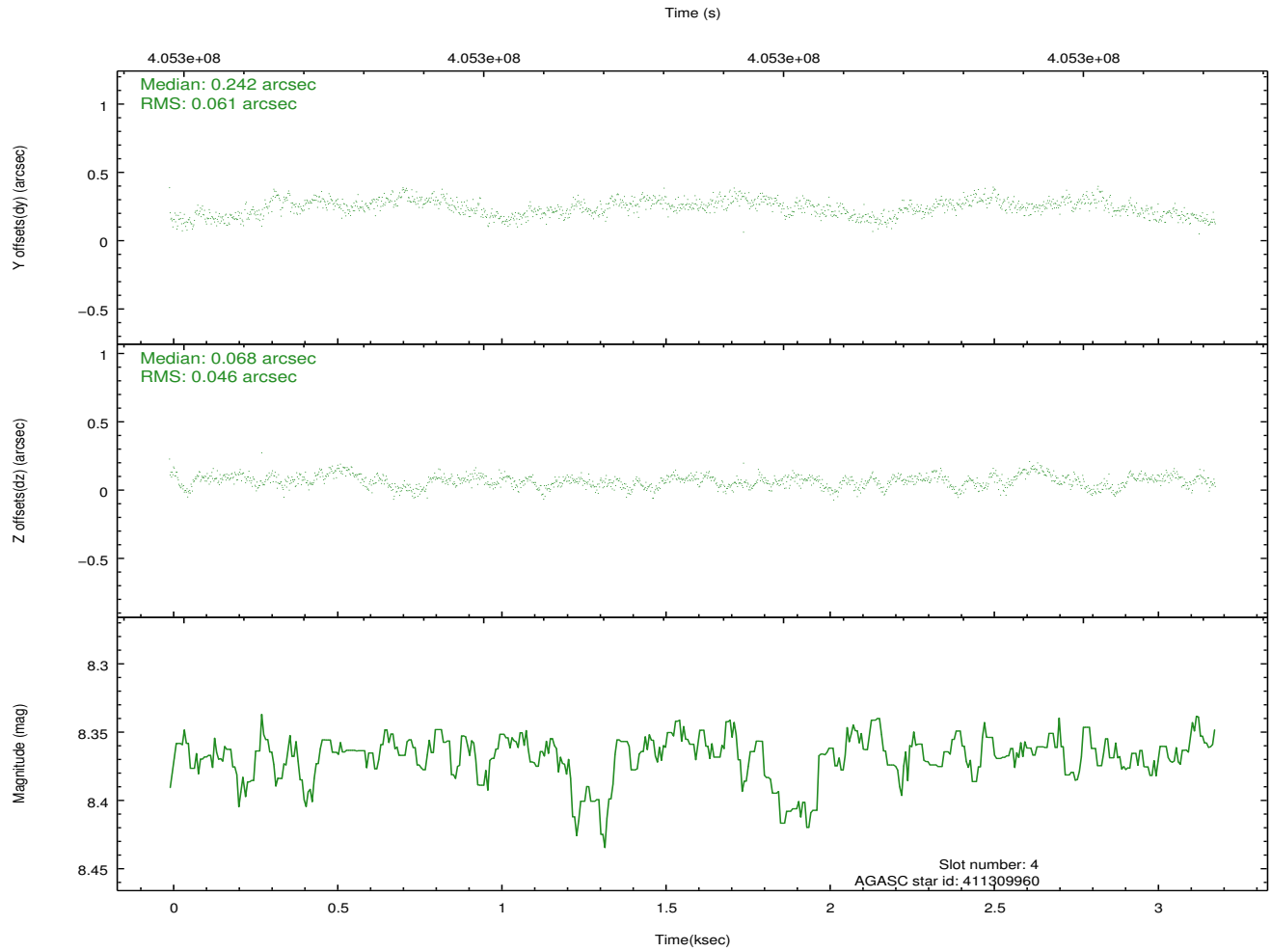
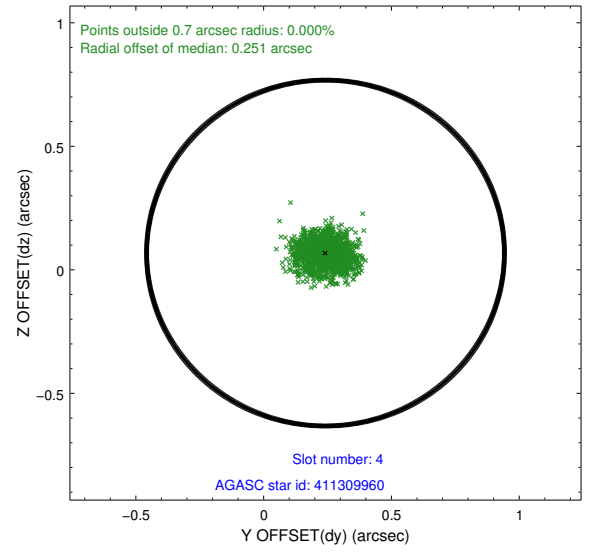
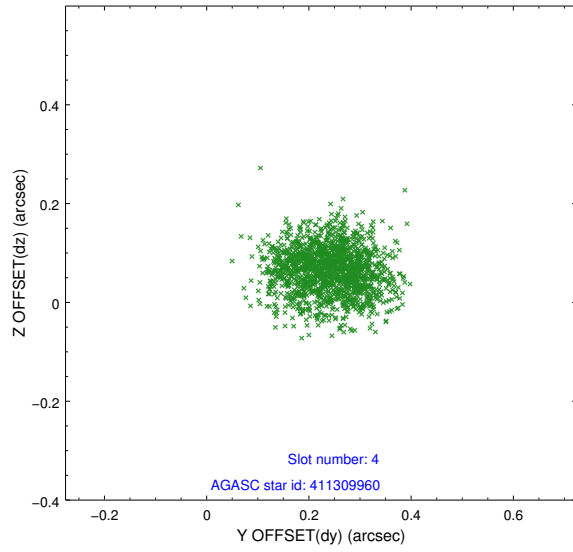
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	778	-0.078	-0.017	0.007	0.012	0.000000	0.000000	-769.33	-1738.02
1	FID	ACIS-S-4	7.03	778	0.156	0.042	0.006	0.011	0.000000	0.000000	2143.28	168.42
2	FID	ACIS-S-5	7.06	778	-0.109	-0.016	0.007	0.014	0.000000	0.000000	-1819.63	164.35
3	GUIDE	411304440	8.97	1554	-0.029	-0.082	0.089	0.141	292.070563	41.019112	2313.70	373.95
4	GUIDE	411309960	8.37	1554	0.242	0.068	0.082	0.131	291.782284	41.048125	1908.56	-302.52
5	GUIDE	411831448	9.23	1554	-0.035	0.086	0.115	0.171	291.046645	42.052700	-2200.09	-661.34
6	GUIDE	411840600	7.79	1554	-0.047	0.022	0.065	0.108	290.889021	41.283462	153.40	-2176.43
7	GUIDE	411837512	8.53	1553	-0.125	-0.089	0.061	0.102	291.986504	42.008123	-1045.31	1574.95

2.4 Star Slots

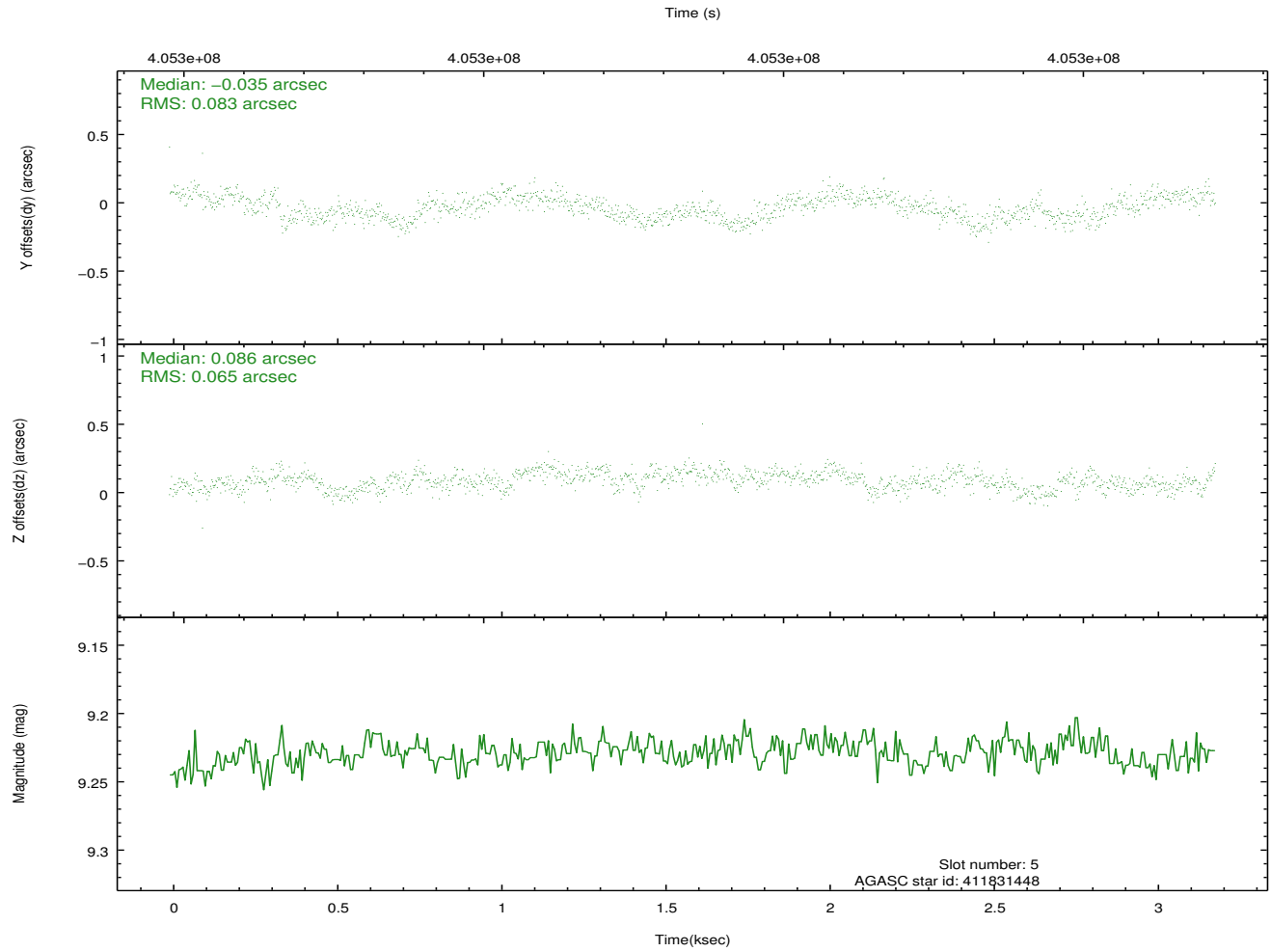
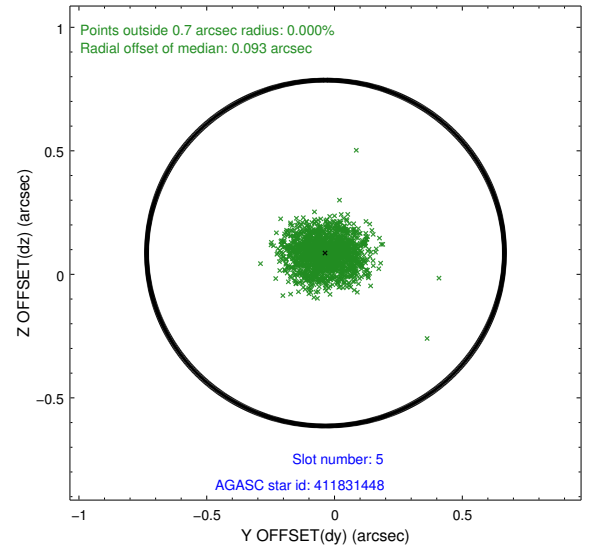
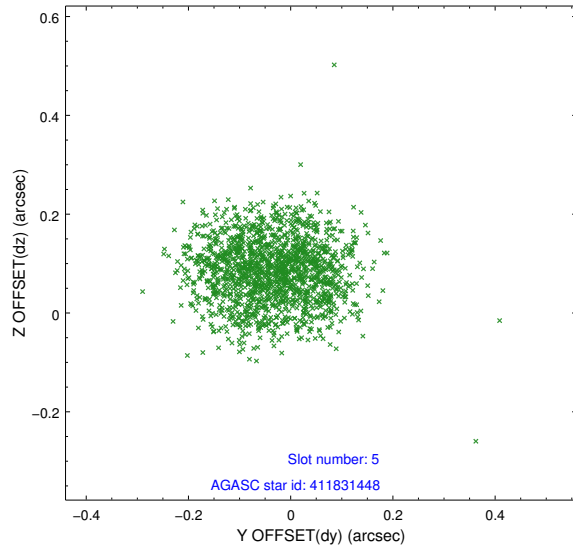
2.4.1 Slot 3



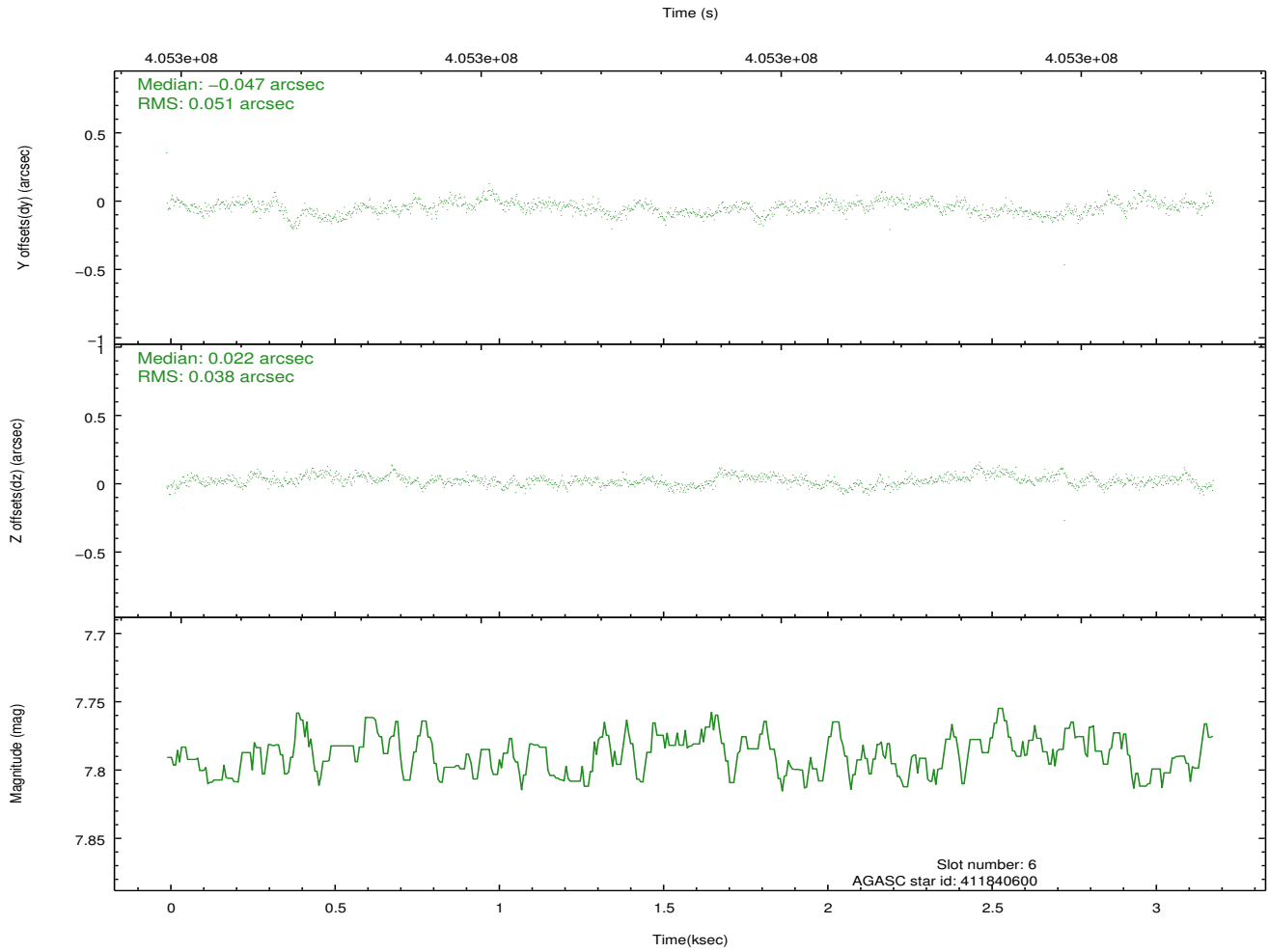
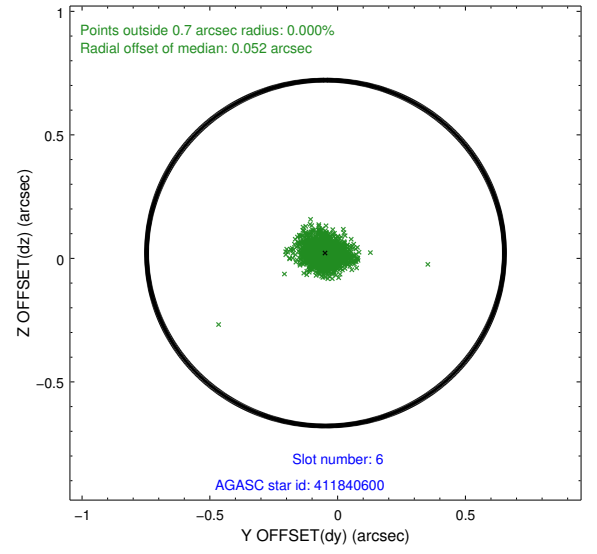
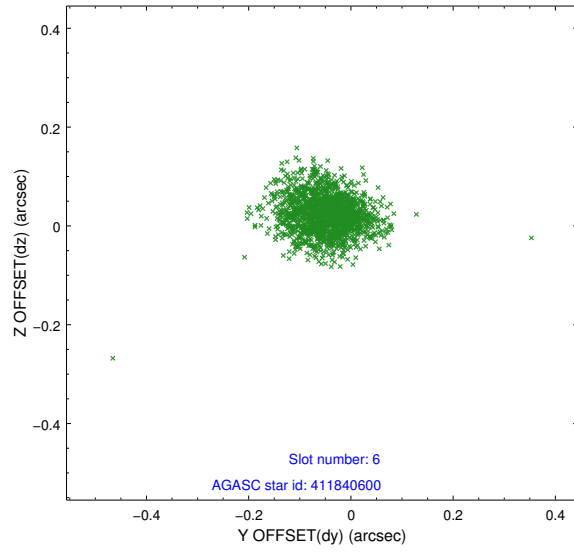
2.4.2 Slot 4



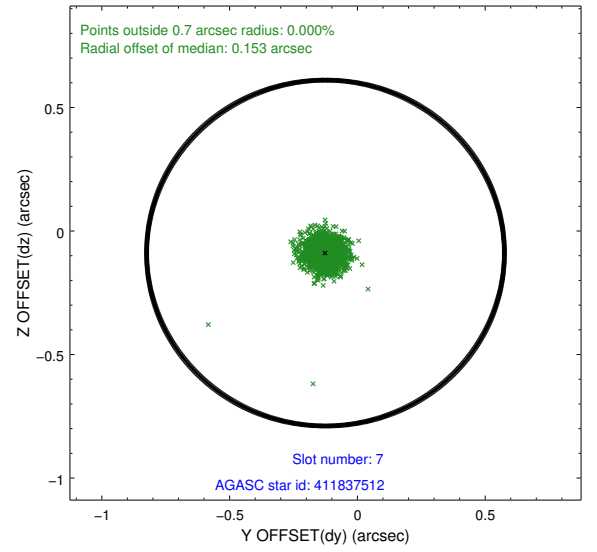
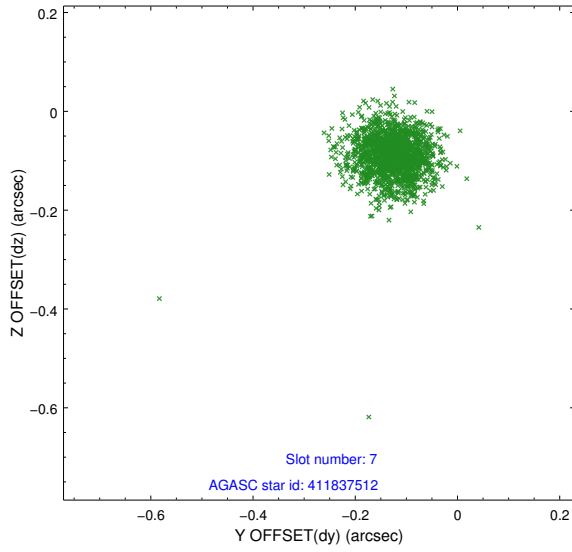
2.4.3 Slot 5



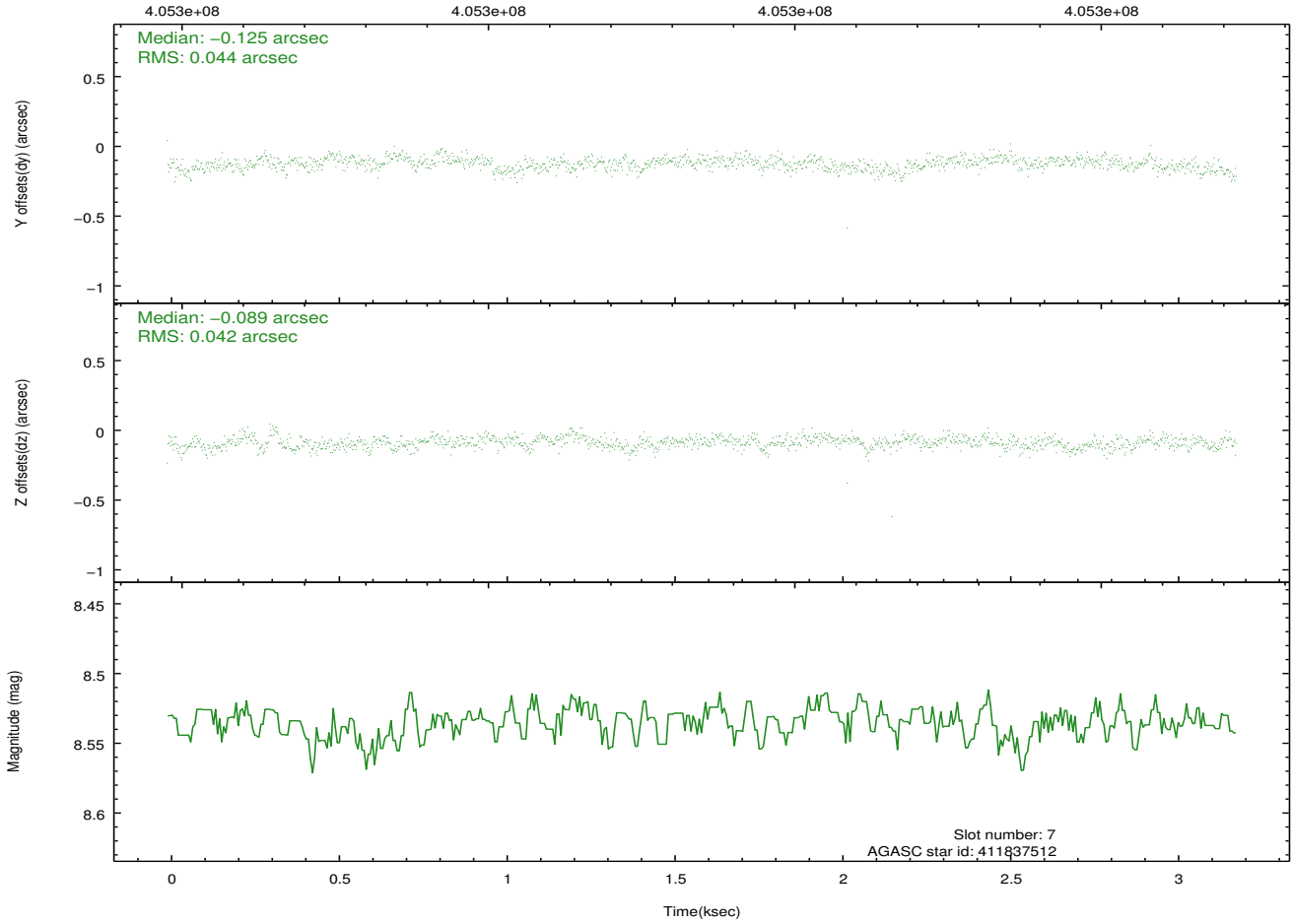
2.4.4 Slot 6



2.4.5 Slot 7

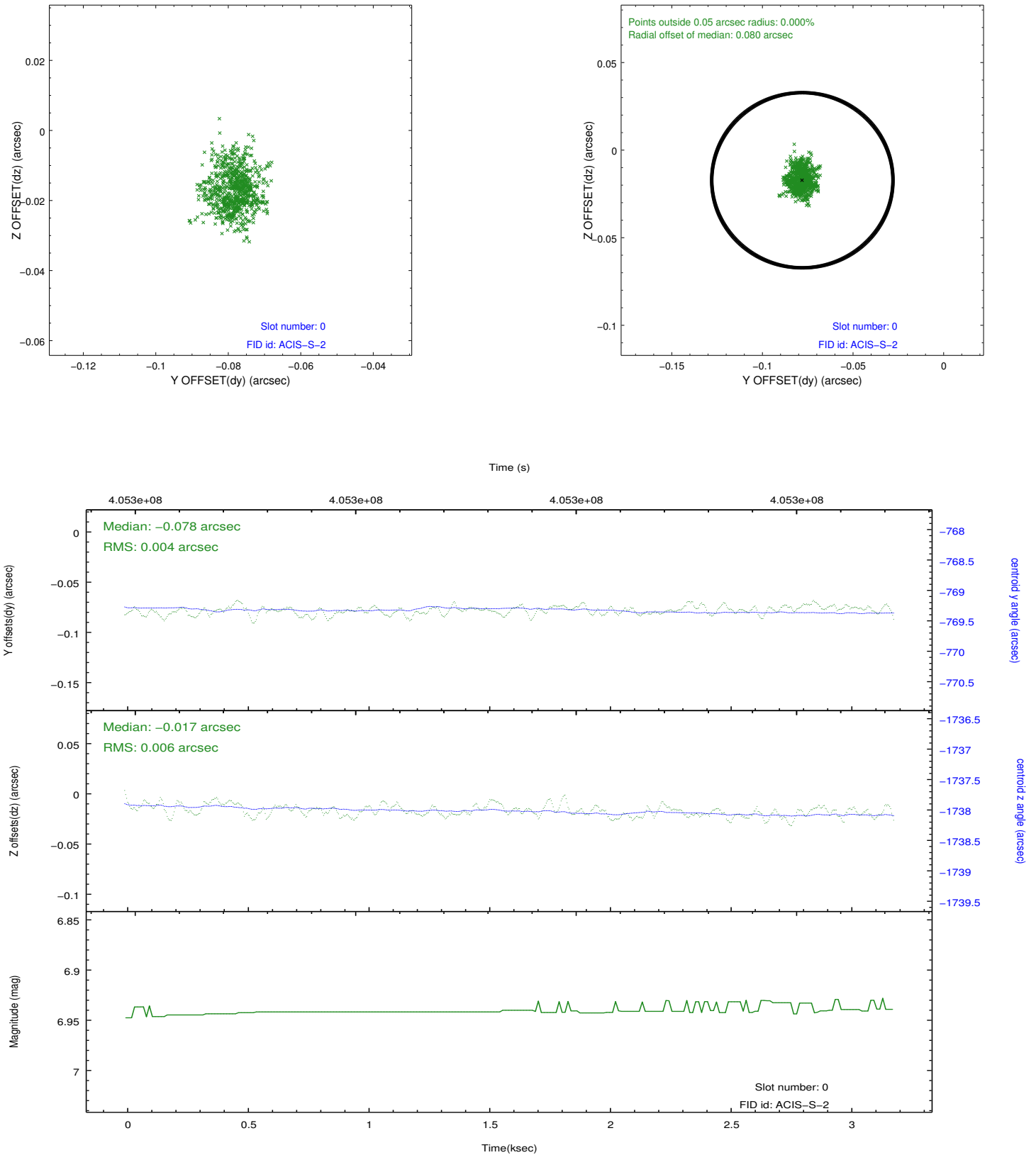


Time (s)

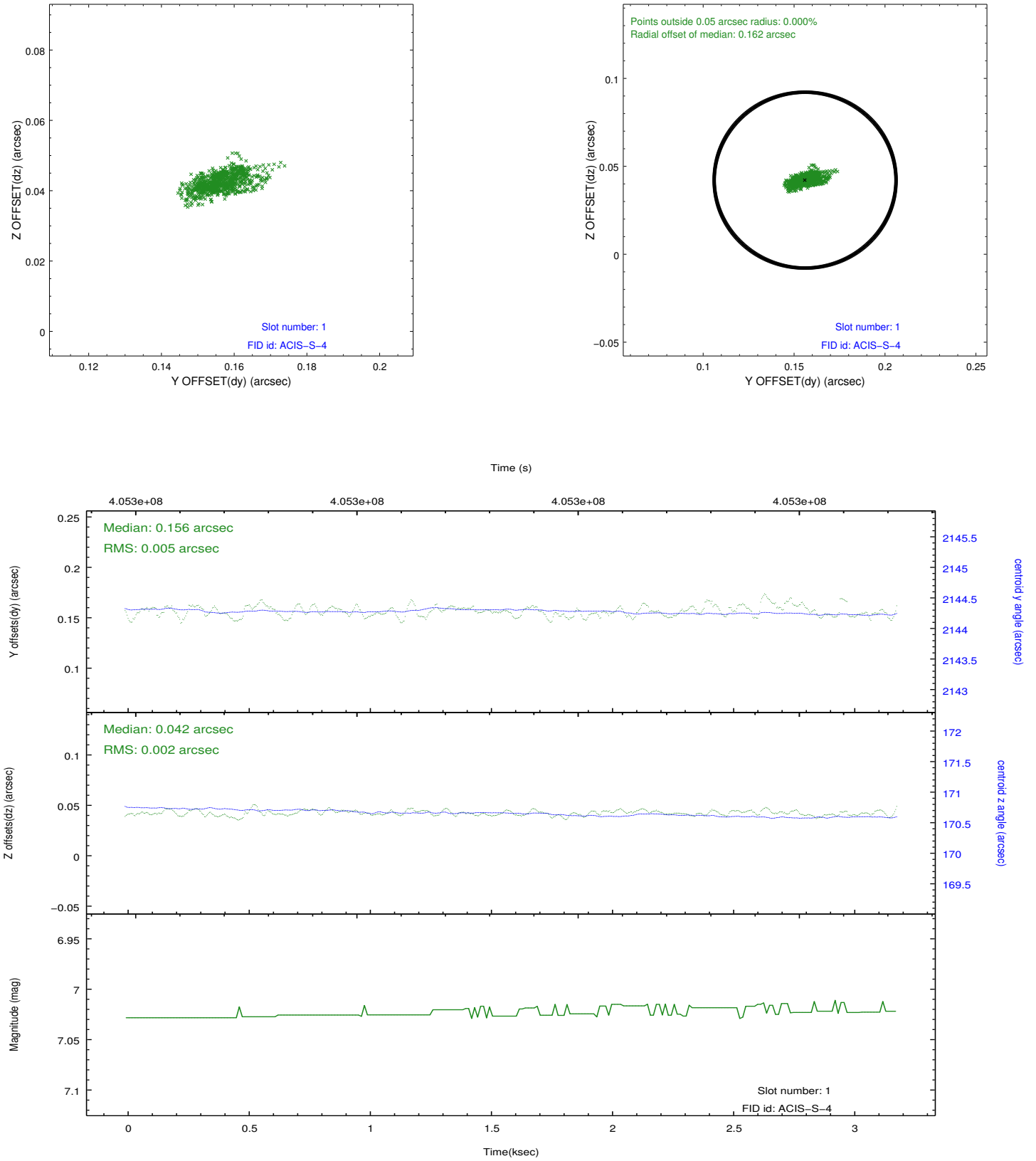


2.5 FID Slots

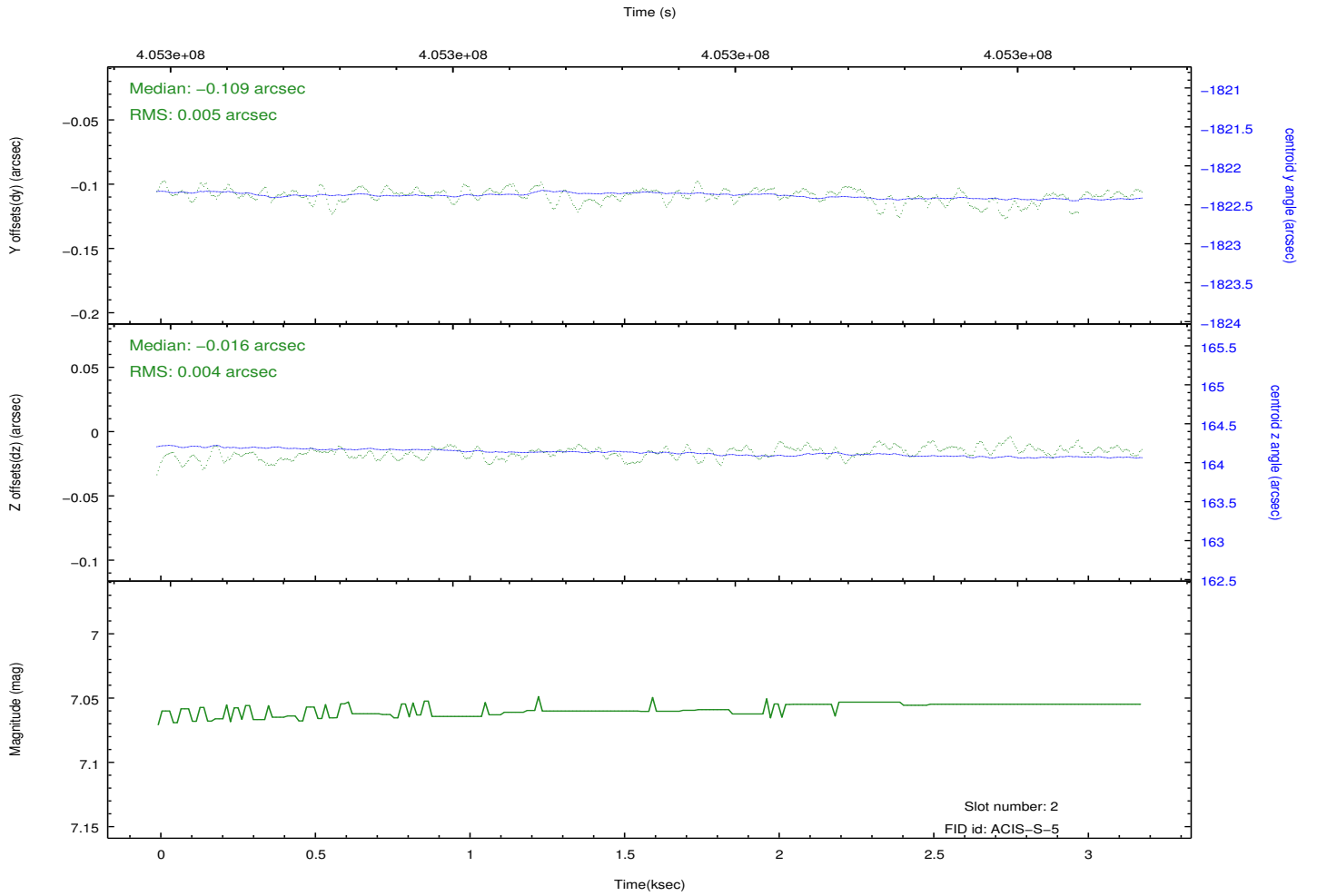
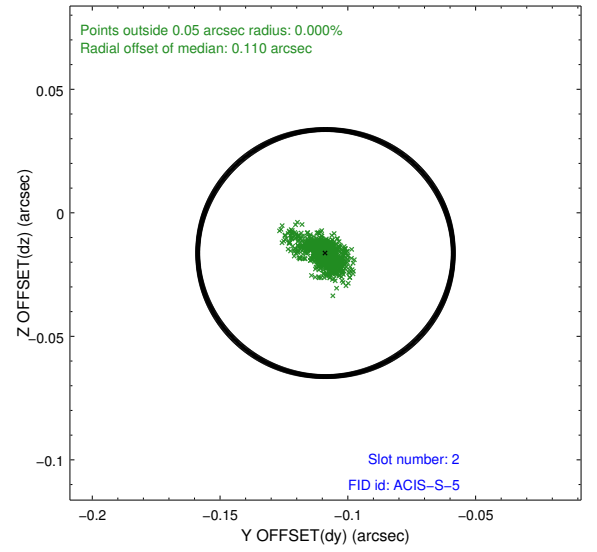
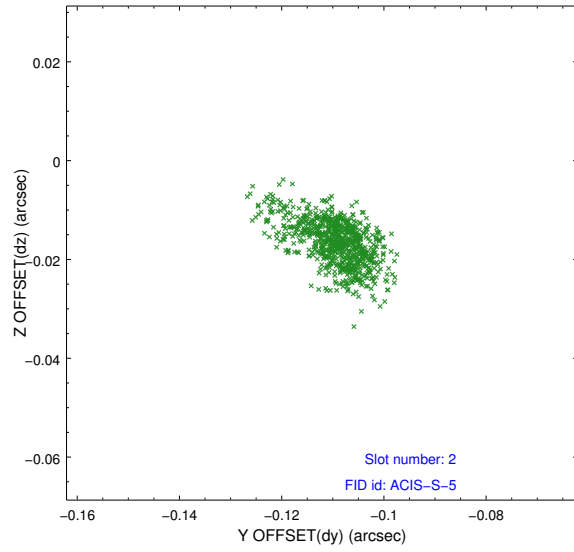
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.7583999897838

A.2 Comments