

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2898 - L2 Version 3
Chandra X-Ray Center

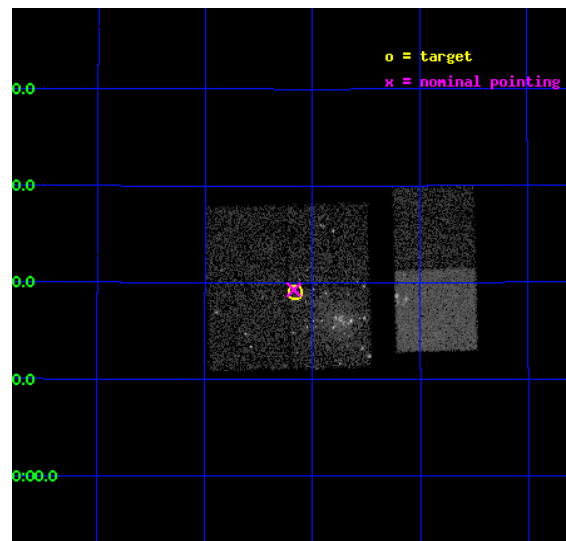
L2 Processing Date : Oct 8 2012

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1 Front

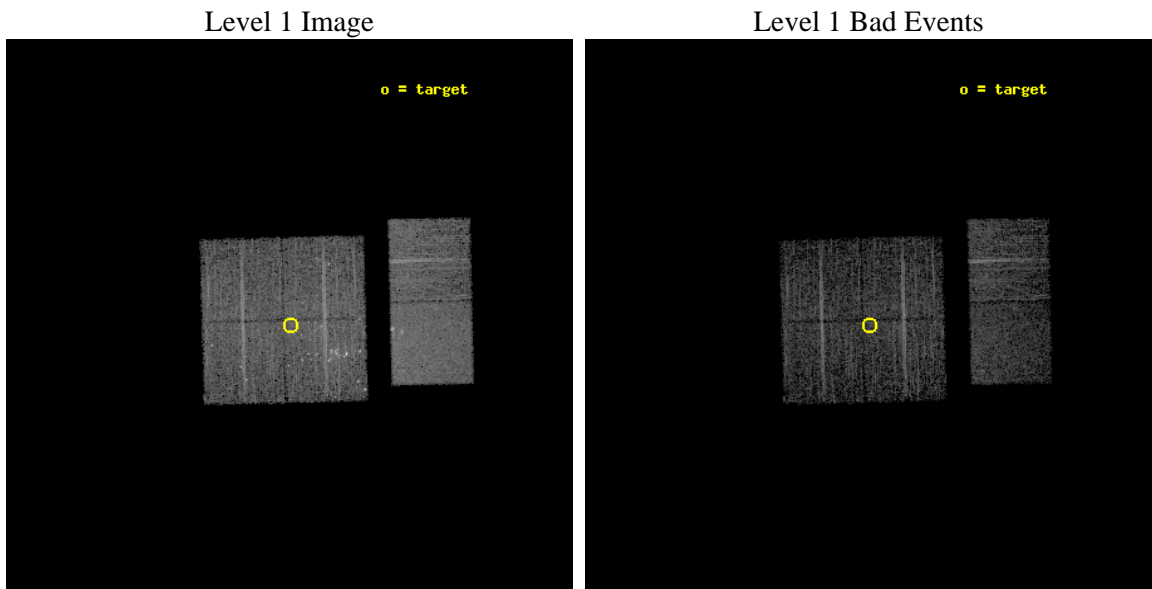
seq_num	600235	Sequence number
obs_id	2898	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.790833	Observer's specified target RA [deg]
dec_targ	41.316867	Observer's specified target Dec [deg]
ra_nom	10.793368633489	Nominal RA [deg]
dec_nom	41.321171011912	Nominal Dec [deg]
roll_nom	88.605843201108	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.9999815226	Sum of GTIs [s]
livetime	4897.1934752031	Livetime [s]
ontime0	4959.9999815226	Sum of GTIs [s]
ontime1	4959.9999815226	Sum of GTIs [s]
ontime2	4959.9999815226	Sum of GTIs [s]
ontime3	4959.9999815226	Sum of GTIs [s]
ontime6	4959.9999815226	Sum of GTIs [s]
ontime7	4959.9999815226	Sum of GTIs [s]
l2events	48141	Number of level 2 events



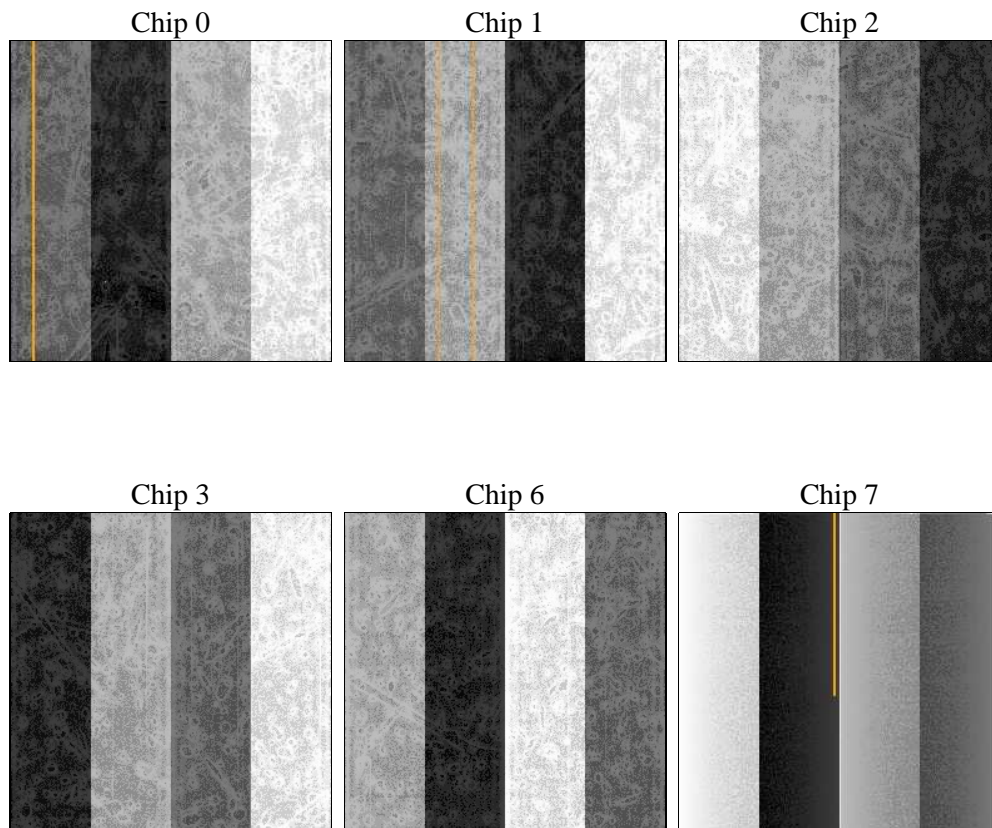
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4959.9999815226	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4959.9999815226	Sum of GTIs [s]
date	2012-10-09T01:46:44	Date and time of file creation	ontime1	4959.9999815226	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4959.9999815226	Sum of GTIs [s]
			ontime3	4959.9999815226	Sum of GTIs [s]
			ontime6	4959.9999815226	Sum of GTIs [s]
			ontime7	4959.9999815226	Sum of GTIs [s]
			l1events	214031	Number of level 1 events

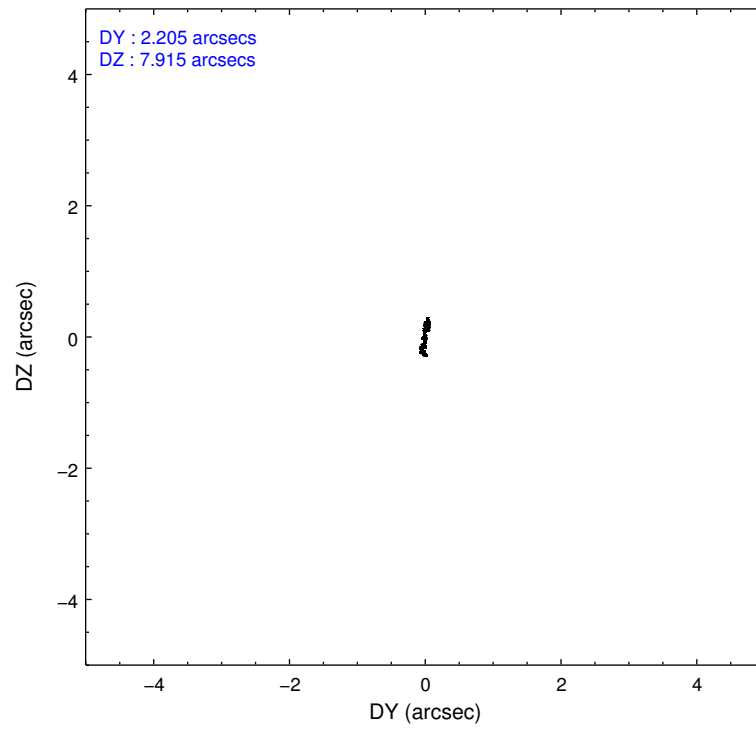
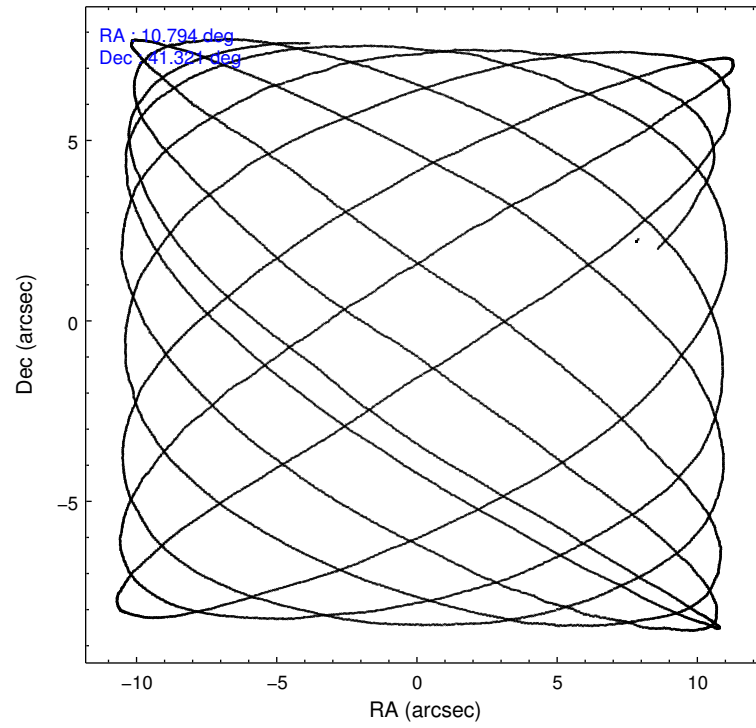
2.1.4 Events

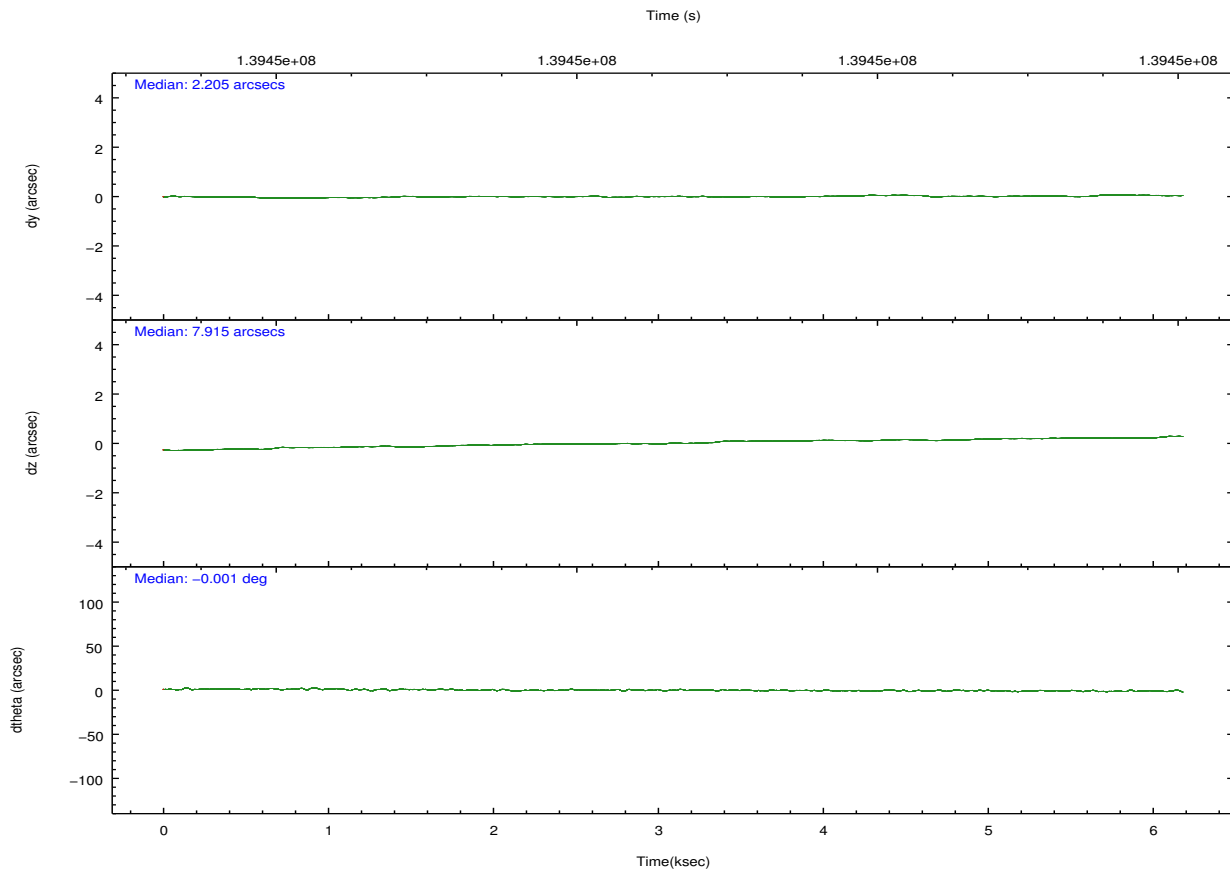
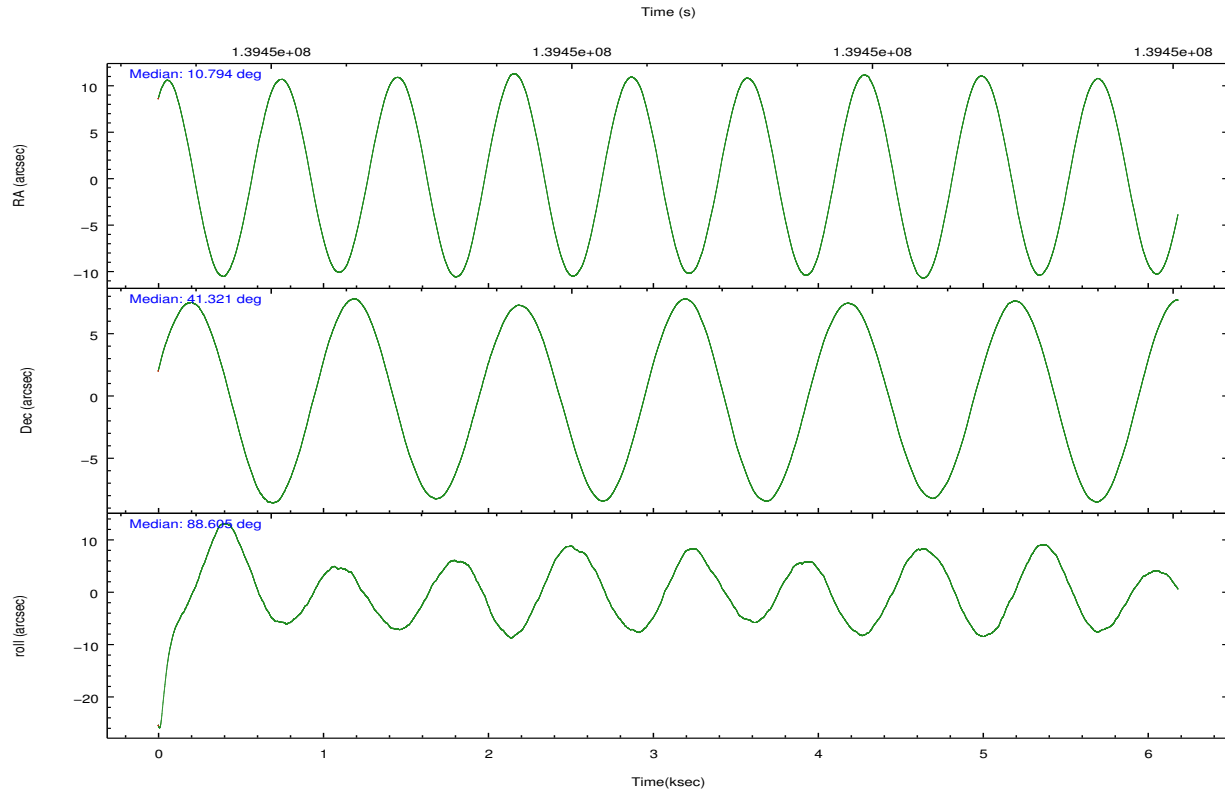
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	29520	30420	33046	43500	34716	42829	grade 0 events	1736	2451	2483	11264	1647	1993
rejected events	25552	25428	28305	27969	30625	24139		5%	8%	7%	25%	4%	4%
rejected %	86%	83%	85%	64%	88%	56%	grade 1 events	14	16	17	153	16	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	853	953	918	1922	827	3728
								2%	3%	2%	4%	2%	8%
							grade 3 events	361	416	346	742	411	1788
								1%	1%	1%	1%	1%	4%
							grade 4 events	372	431	377	669	374	1684
								1%	1%	1%	1%	1%	3%
							grade 5 events	1154	1273	1109	1365	1436	4056
								3%	4%	3%	3%	4%	9%
							grade 6 events	653	745	619	942	832	9513
								2%	2%	1%	2%	2%	22%
							grade 7 events	24377	24135	27177	26443	29173	20037
								82%	79%	82%	60%	84%	46%

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	10.810952	10.79336863348888	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.297105	41.32117101191198	Alternating exposures requested	N	N
[deg] Pointing Roll	88.385597	88.60584320110776	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	139363264.184000	139363264.184000			
[s] Window stop time (MET)	140054464.184000	140054464.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	139446733.184000	139445276.22227			
Observation start date	2002-06-02T23:11:09	2002-06-02T22:47:56			
[s] Observation end time (MET)	139451733.184000	139452807.41008			
Observation end date	2002-06-03T00:34:29	2002-06-03T00:53:27			
Read mode	TIMED	TIMED			

2.3 Aspect



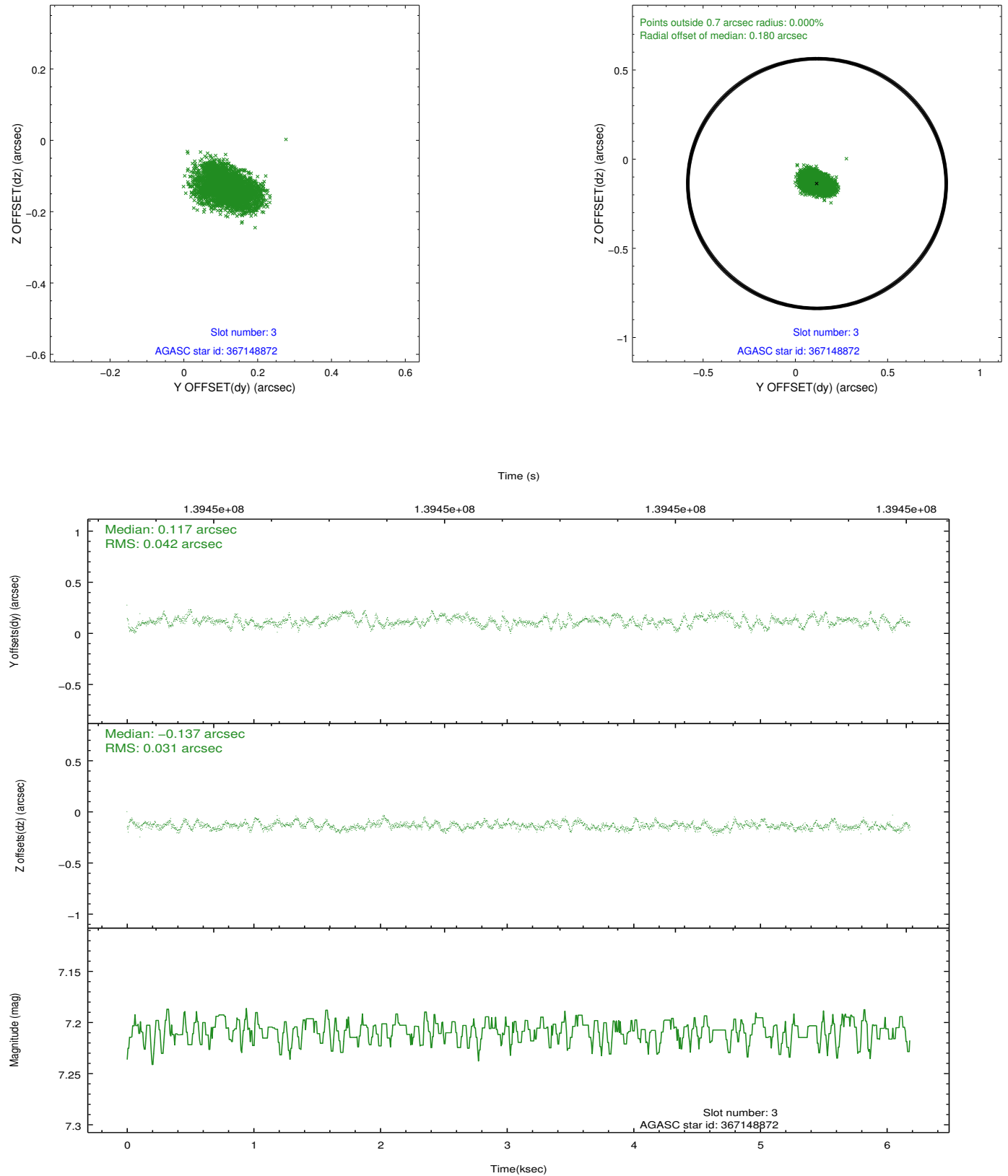


Slot Statistics

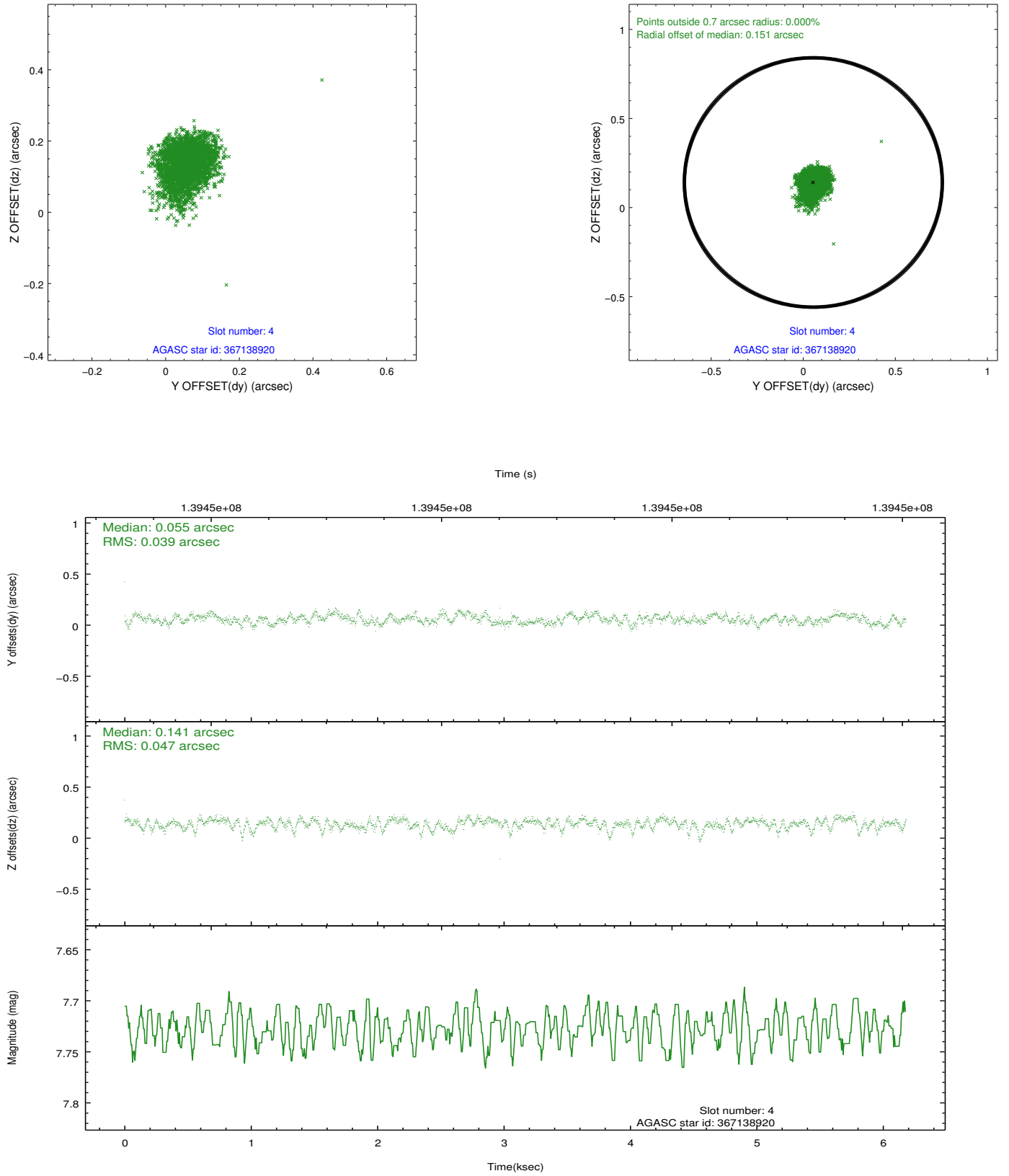
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1509	-0.027	0.061	0.010	0.017	0.000000	0.000000	937.57	-831.30
1	FID	ACIS-I-5	7.23	1508	-0.031	0.038	0.007	0.013	0.000000	0.000000	-1809.98	1065.73
2	FID	ACIS-I-6	7.26	1508	-0.033	-0.029	0.008	0.013	0.000000	0.000000	402.11	1711.22
3	GUIDE	367148872	7.21	3017	0.117	-0.137	0.056	0.091	10.505940	40.688258	-2213.09	771.51
4	GUIDE	367138920	7.73	3014	0.055	0.141	0.063	0.106	11.513485	40.808909	-1696.07	-1961.68
5	GUIDE	367139768	7.98	3017	0.184	0.139	0.081	0.119	11.069715	40.685175	-2181.61	-767.70
6	GUIDE	367671800	9.41	3015	-0.262	-0.043	0.098	0.159	10.554735	41.964935	2383.89	754.12
7	GUIDE	367665472	9.48	3013	-0.092	-0.104	0.088	0.141	10.241611	41.730843	1523.44	1574.34

2.4 Star Slots

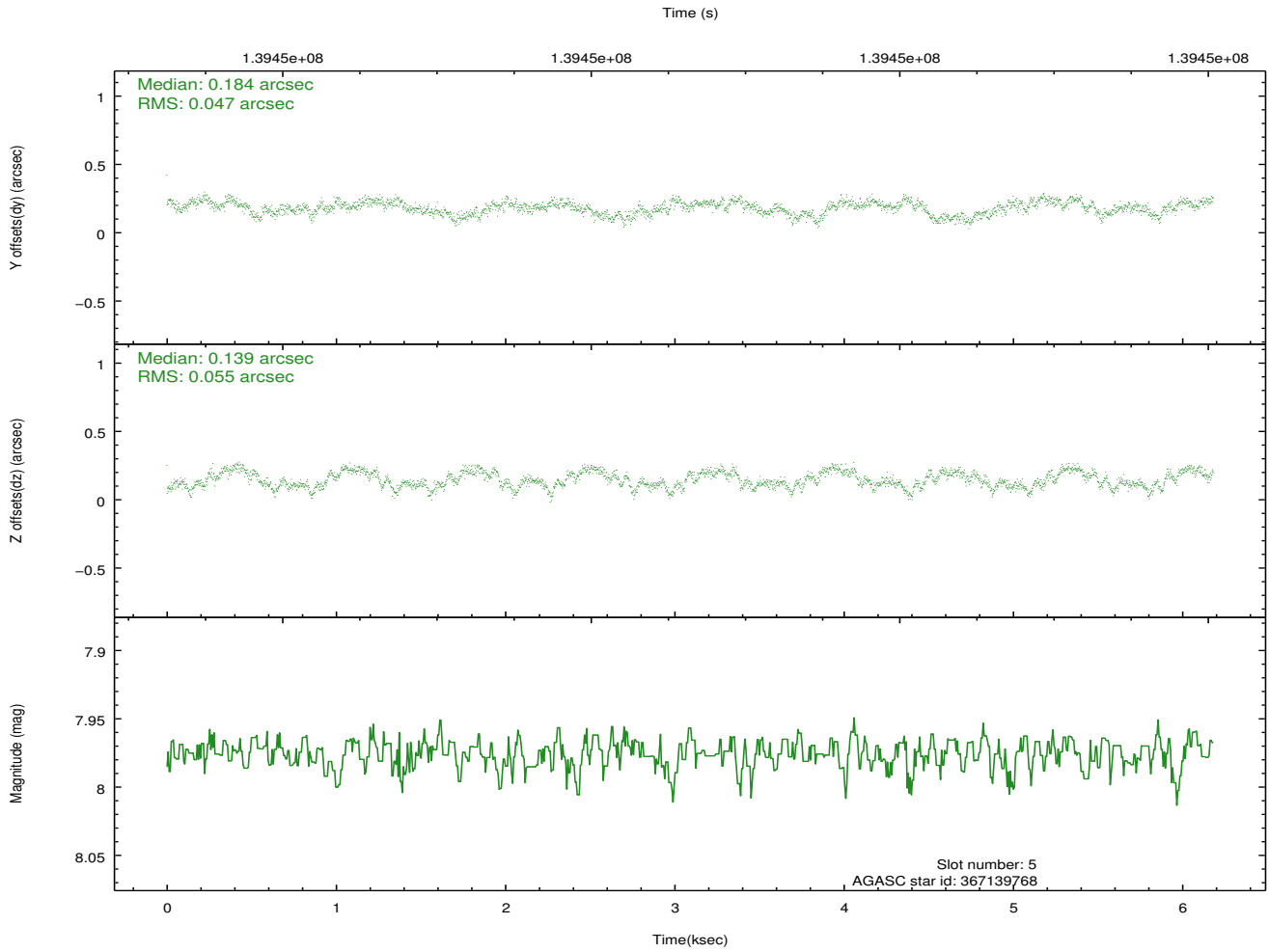
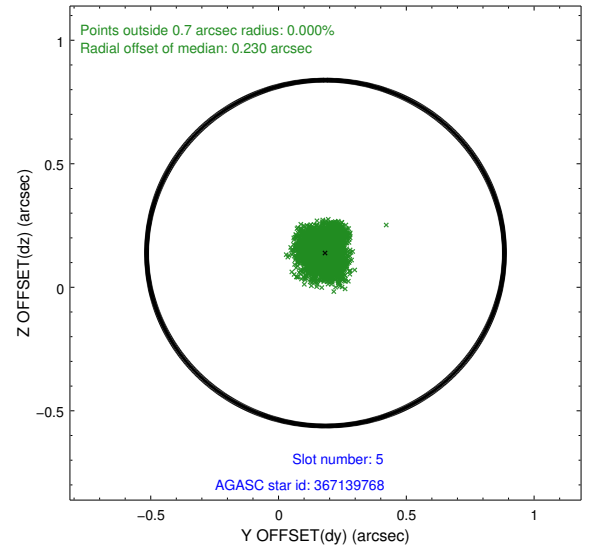
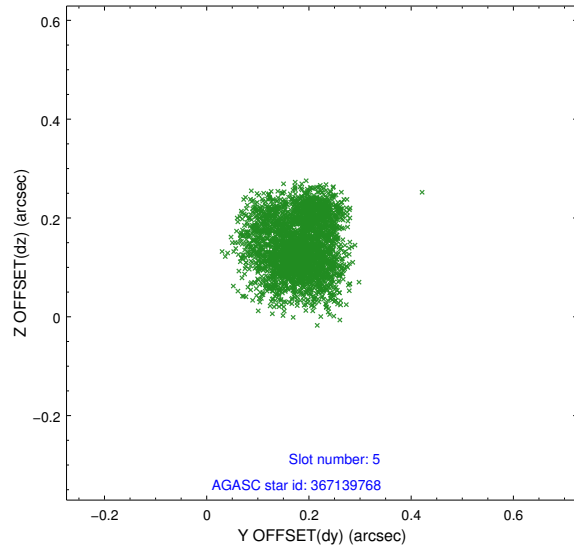
2.4.1 Slot 3



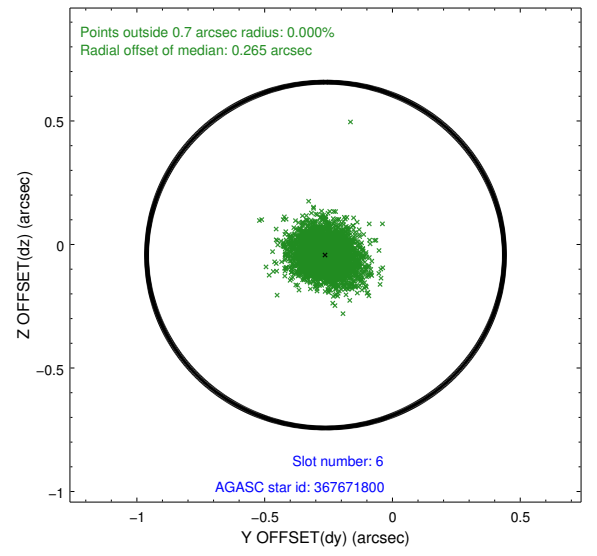
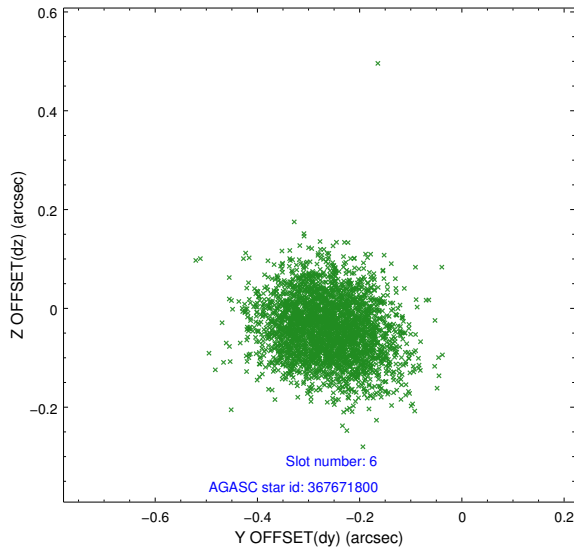
2.4.2 Slot 4



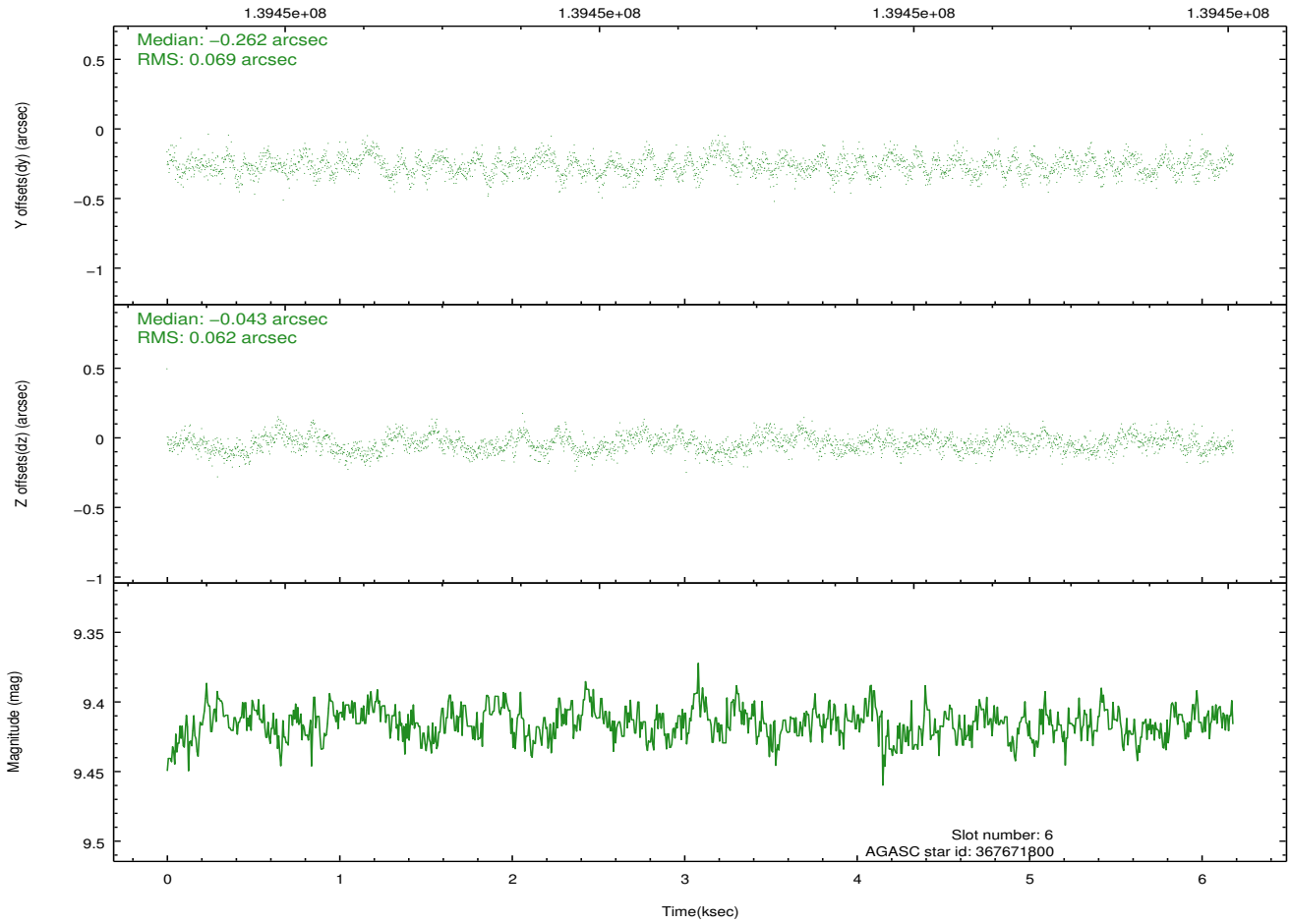
2.4.3 Slot 5



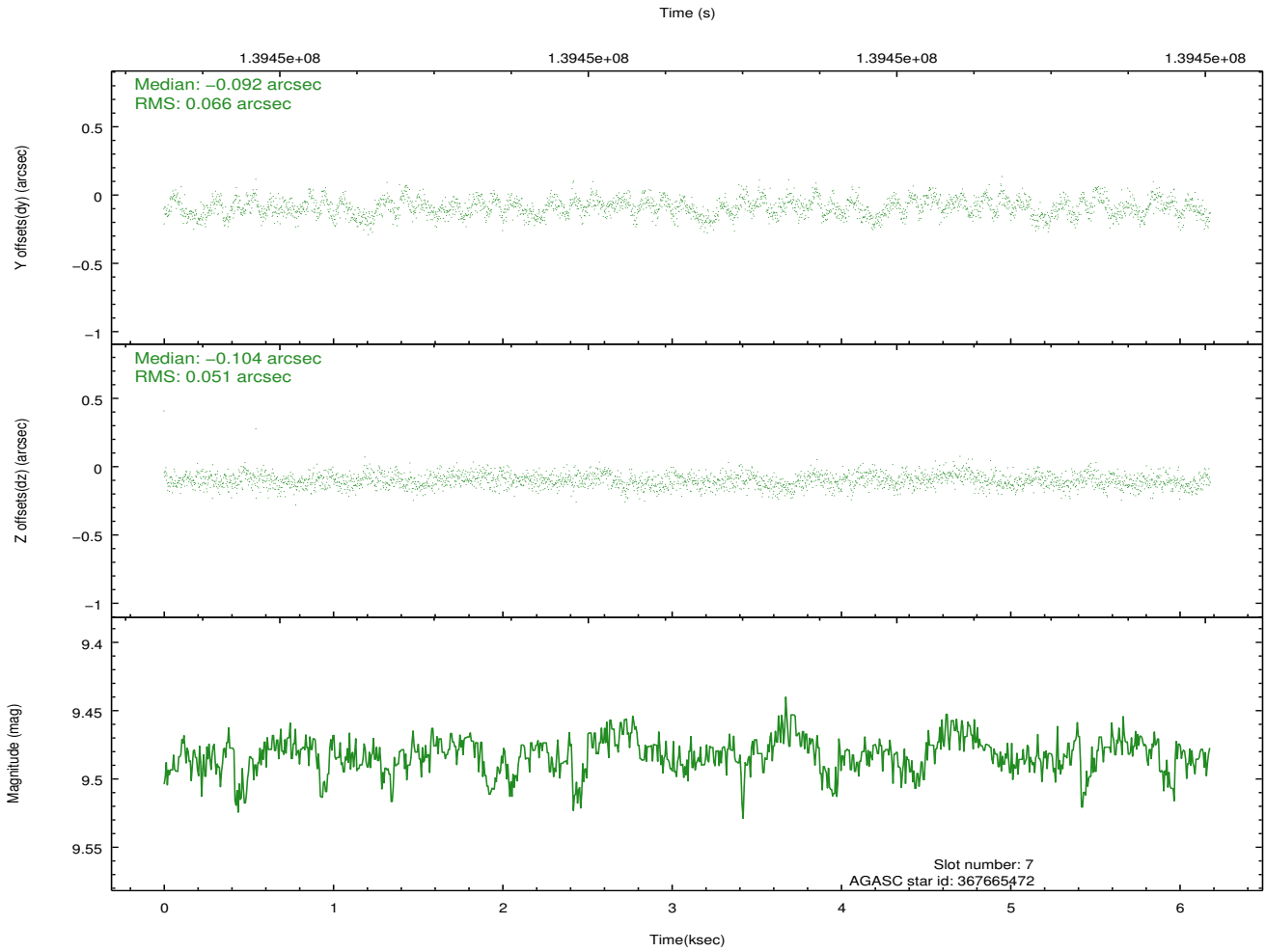
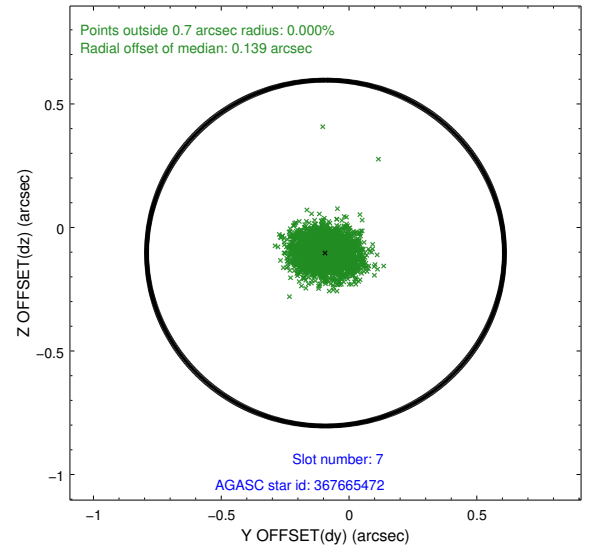
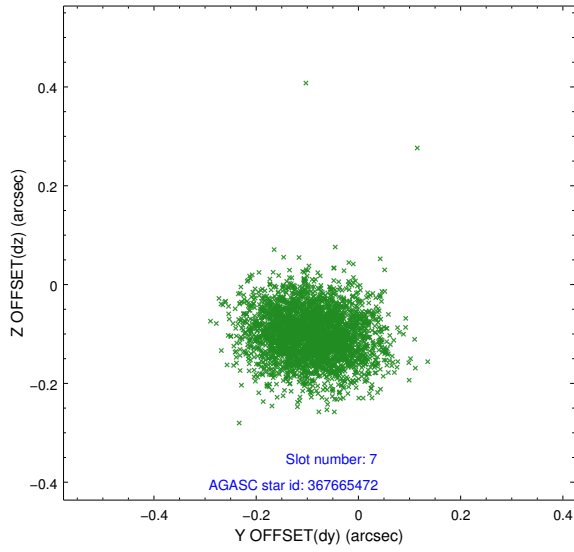
2.4.4 Slot 6



Time (s)

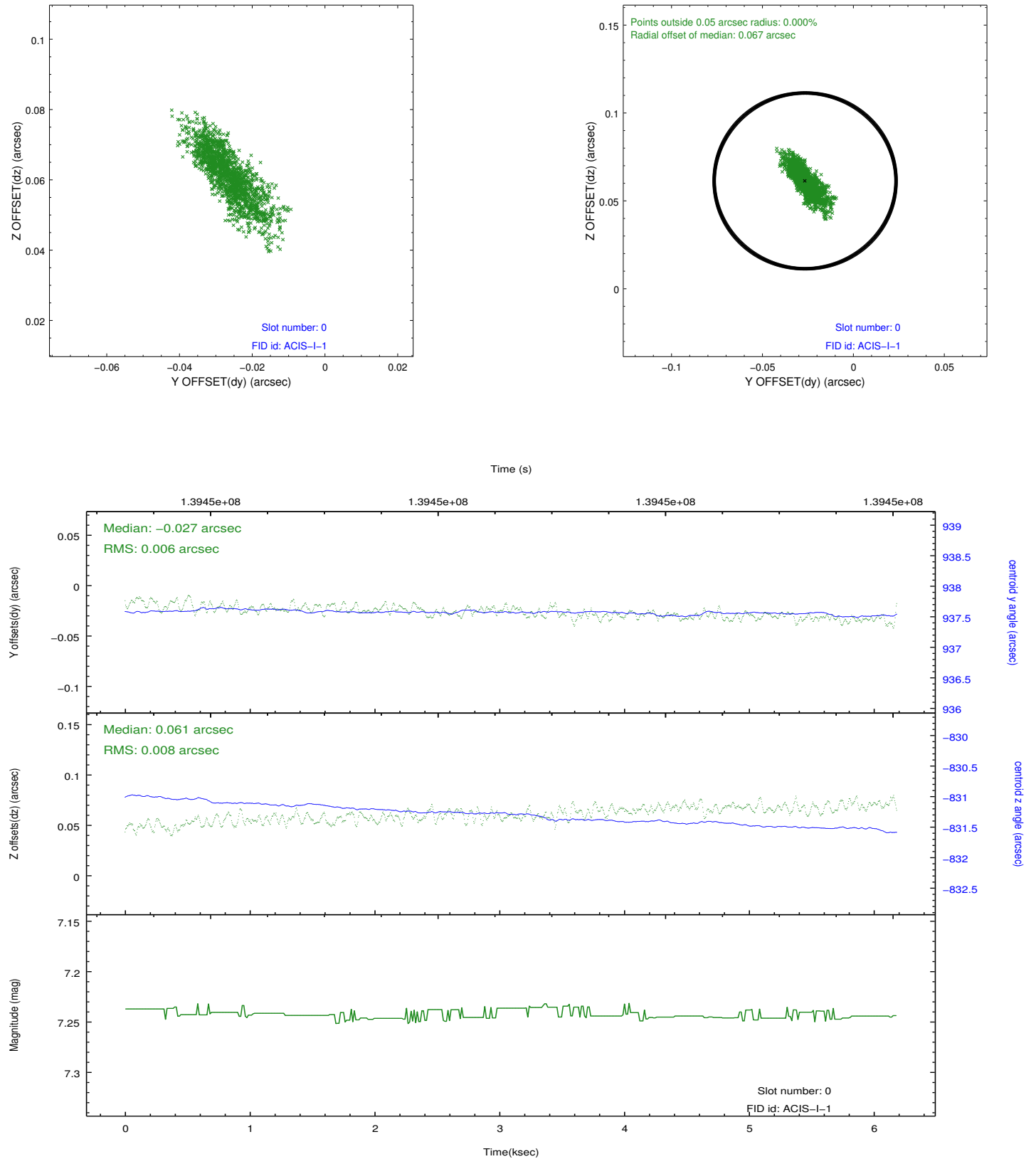


2.4.5 Slot 7

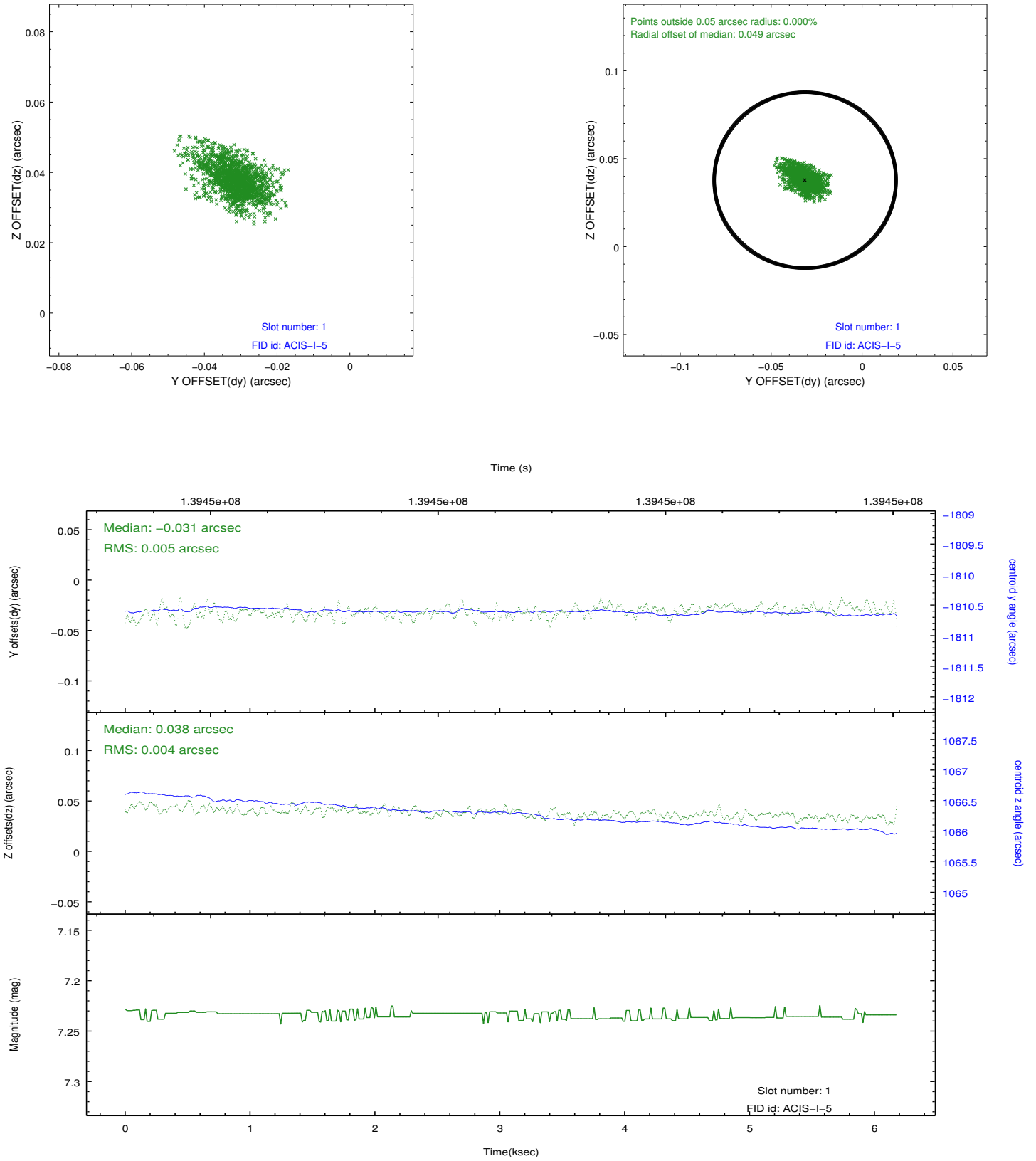


2.5 FID Slots

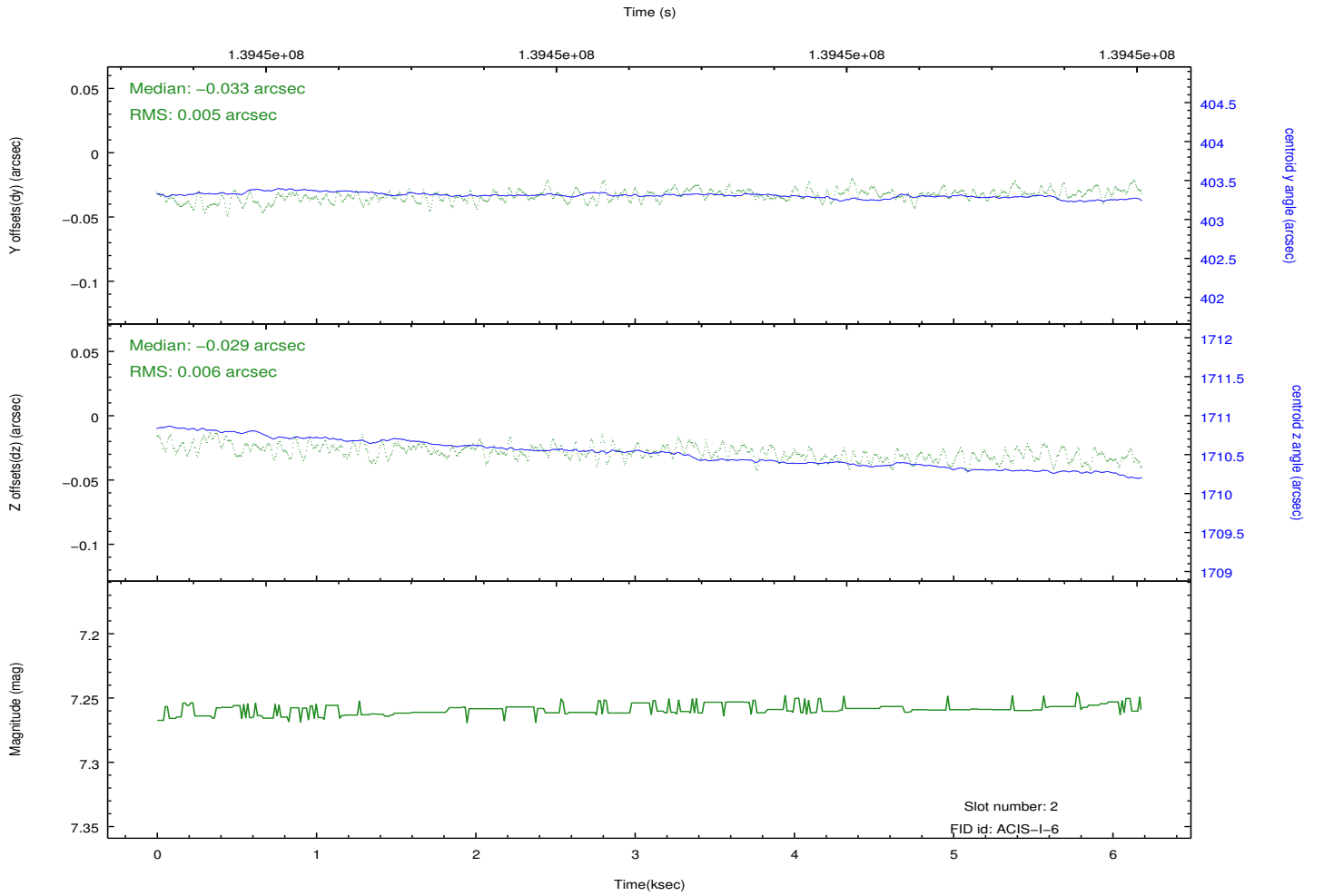
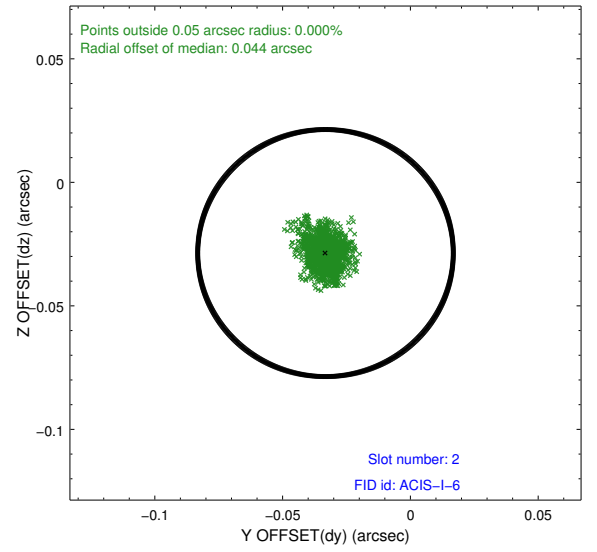
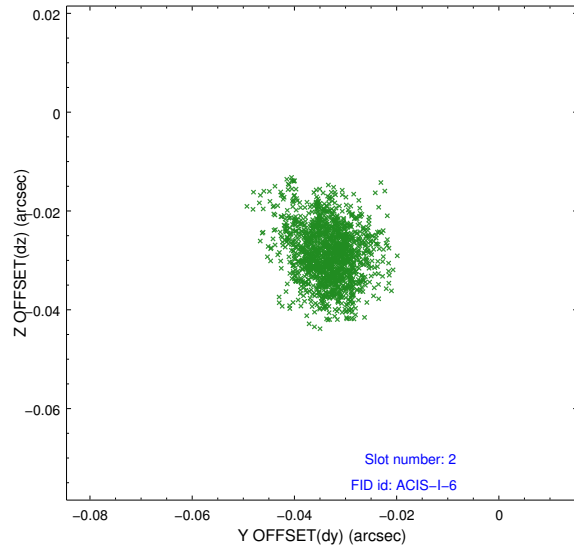
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments

Window preference met.