

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11874 - L2 Version 2
Chandra X-Ray Center

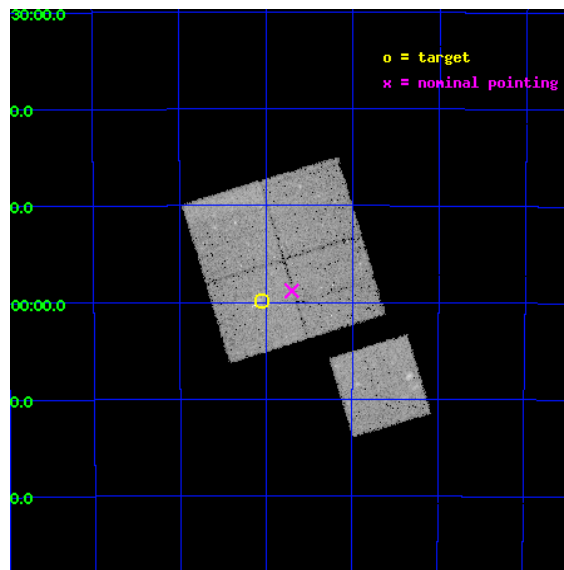
L2 Processing Date : Jun 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

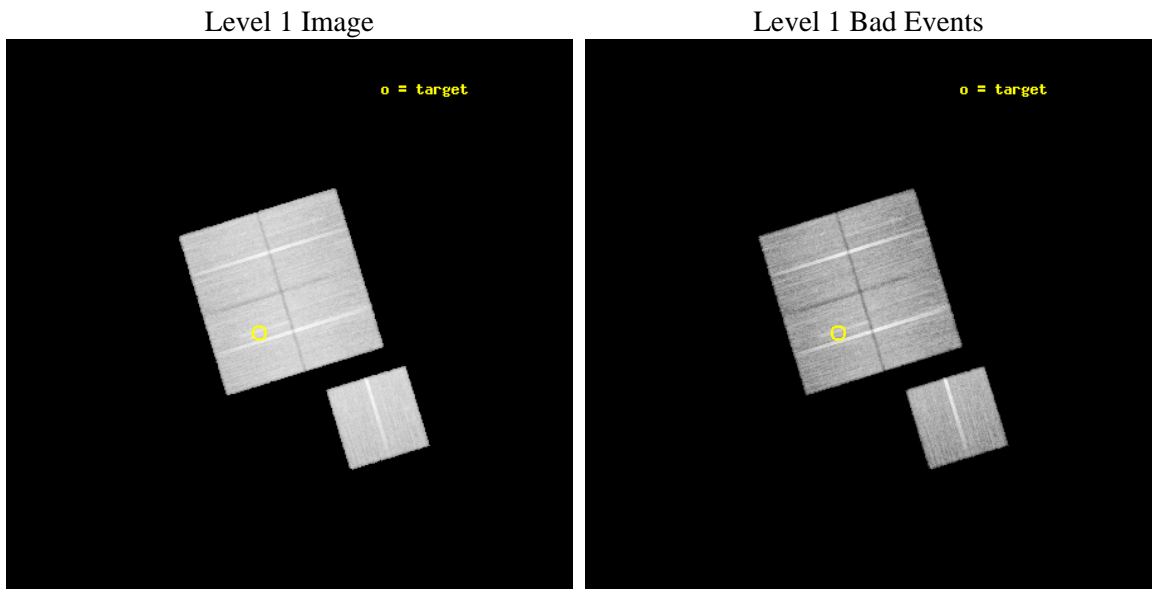
seq_num	800928	Sequence number
obs_id	11874	Observation id
title	A Chandra Study of a Complete Sample of SZE Selected Galaxy Clusters	
observer	Dr. Stephen Murray	Principal investigator
object	SPT0528-5300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.010833	Observer's specified target RA [deg]
dec_targ	-52.998	Observer's specified target Dec [deg]
ra_nom	81.925387694063	Nominal RA [deg]
dec_nom	-52.980254163601	Nominal Dec [deg]
roll_nom	162.95649318285	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30044.297082007	Sum of GTIs [s]
livetime	29651.746222341	Livetime [s]
ontime0	30047.314902425	Sum of GTIs [s]
ontime1	30047.355962336	Sum of GTIs [s]
ontime2	30047.396982491	Sum of GTIs [s]
ontime3	30044.297082007	Sum of GTIs [s]
ontime6	30044.132872224	Sum of GTIs [s]
l2events	104223	Number of level 2 events



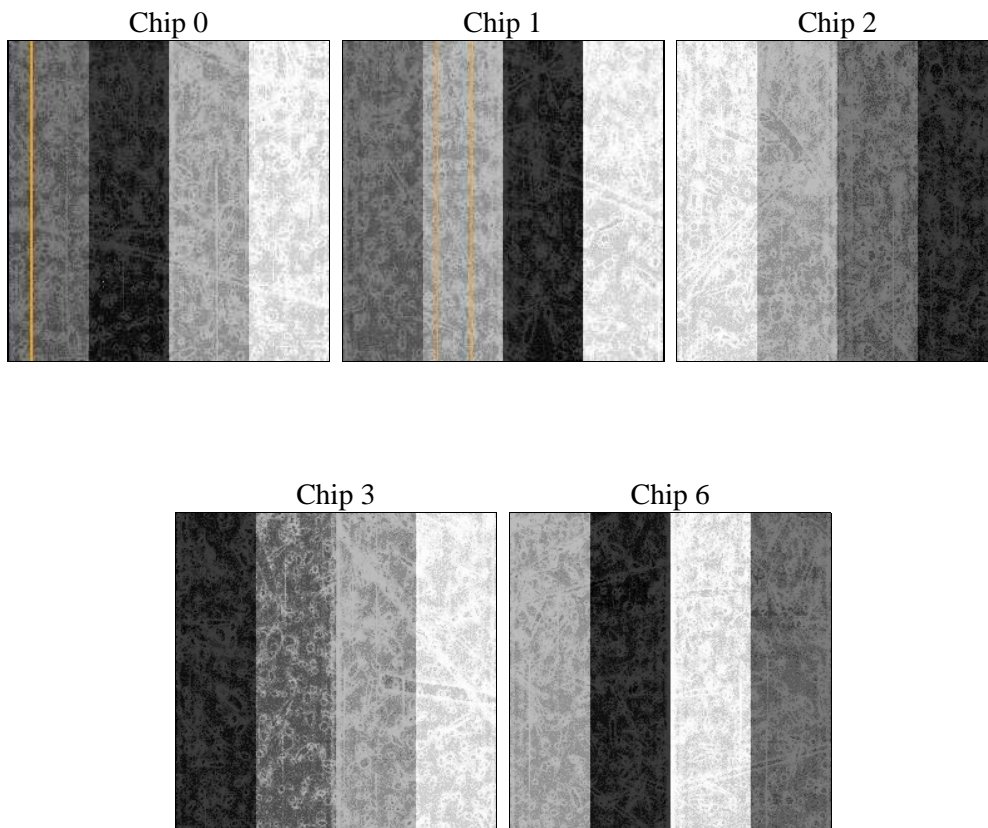
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30044.297082007	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	30047.314902425	Sum of GTIs [s]
date	2012-06-29T10:51:34	Date and time of file creation	ontime1	30047.355962336	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	30047.396982491	Sum of GTIs [s]
			ontime3	30044.297082007	Sum of GTIs [s]
			ontime6	30044.132872224	Sum of GTIs [s]
			l1events	1102286	Number of level 1 events

2.1.4 Events

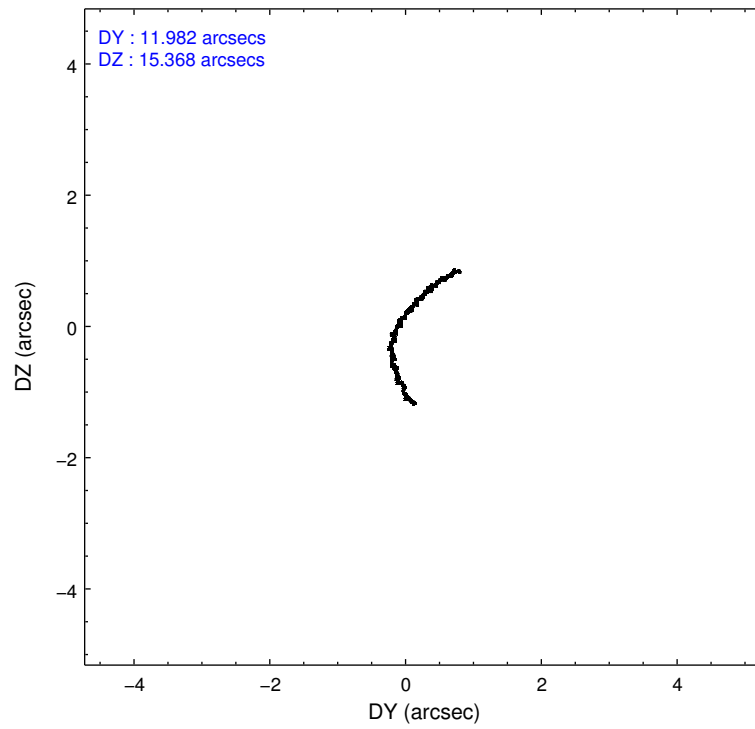
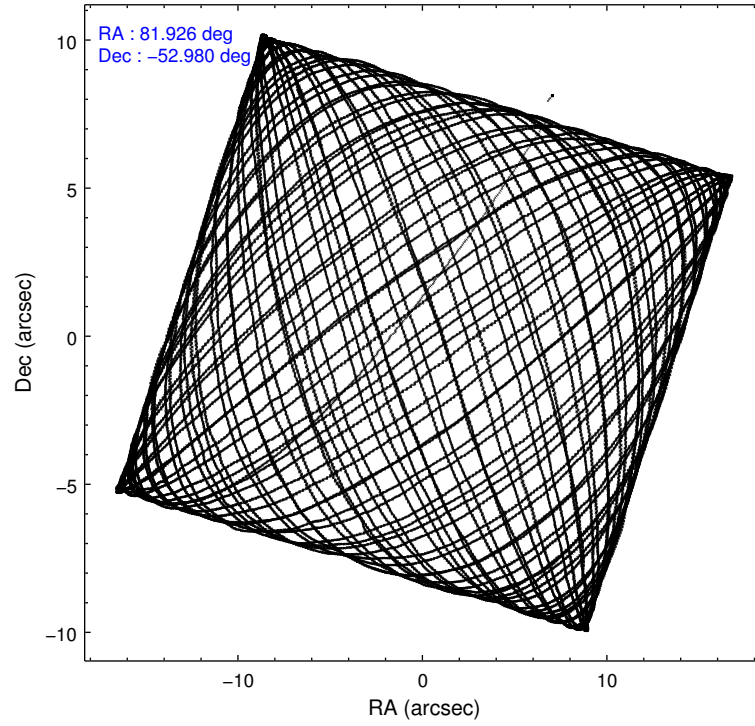
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	207711	213601	230847	225931	224196
rejected events	183492	185916	207183	202395	198640
rejected %	88%	87%	89%	89%	88%

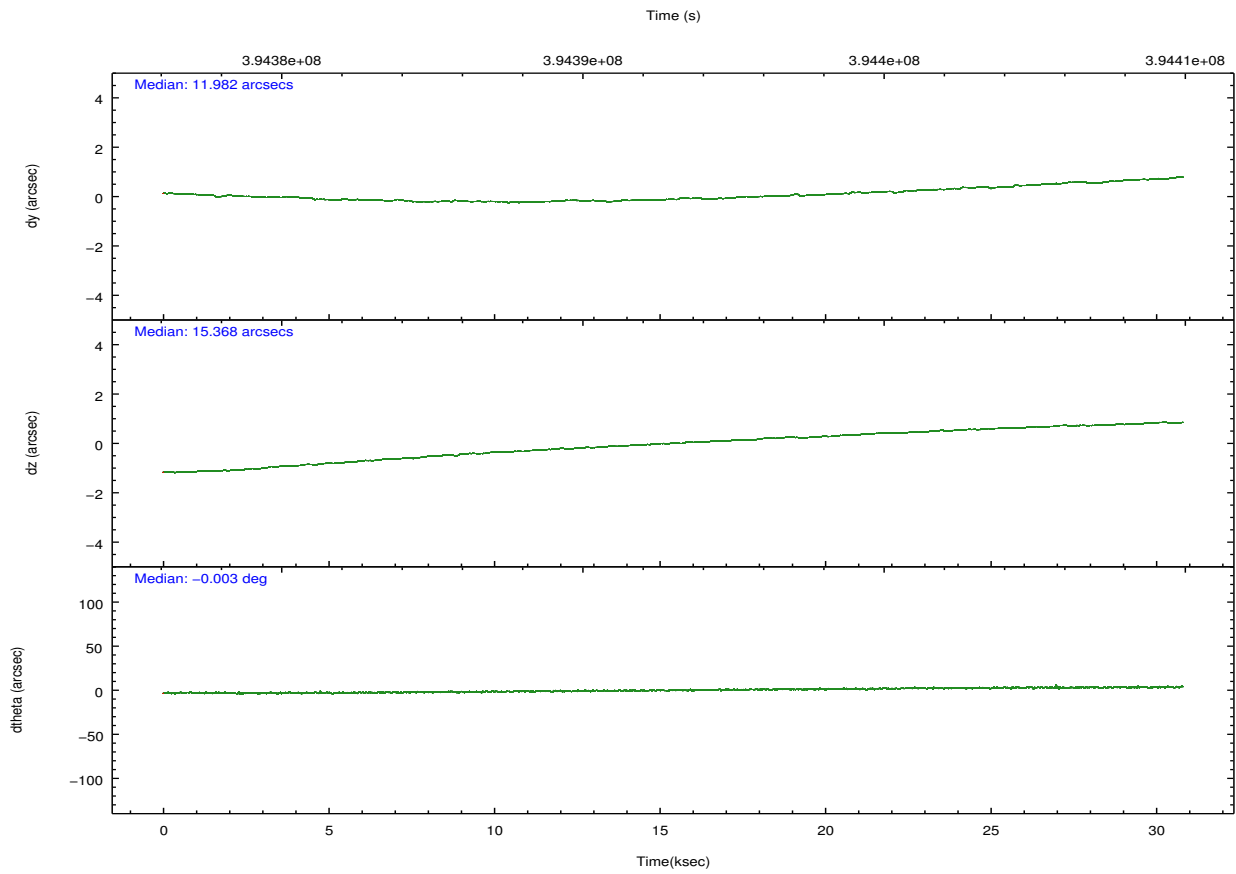
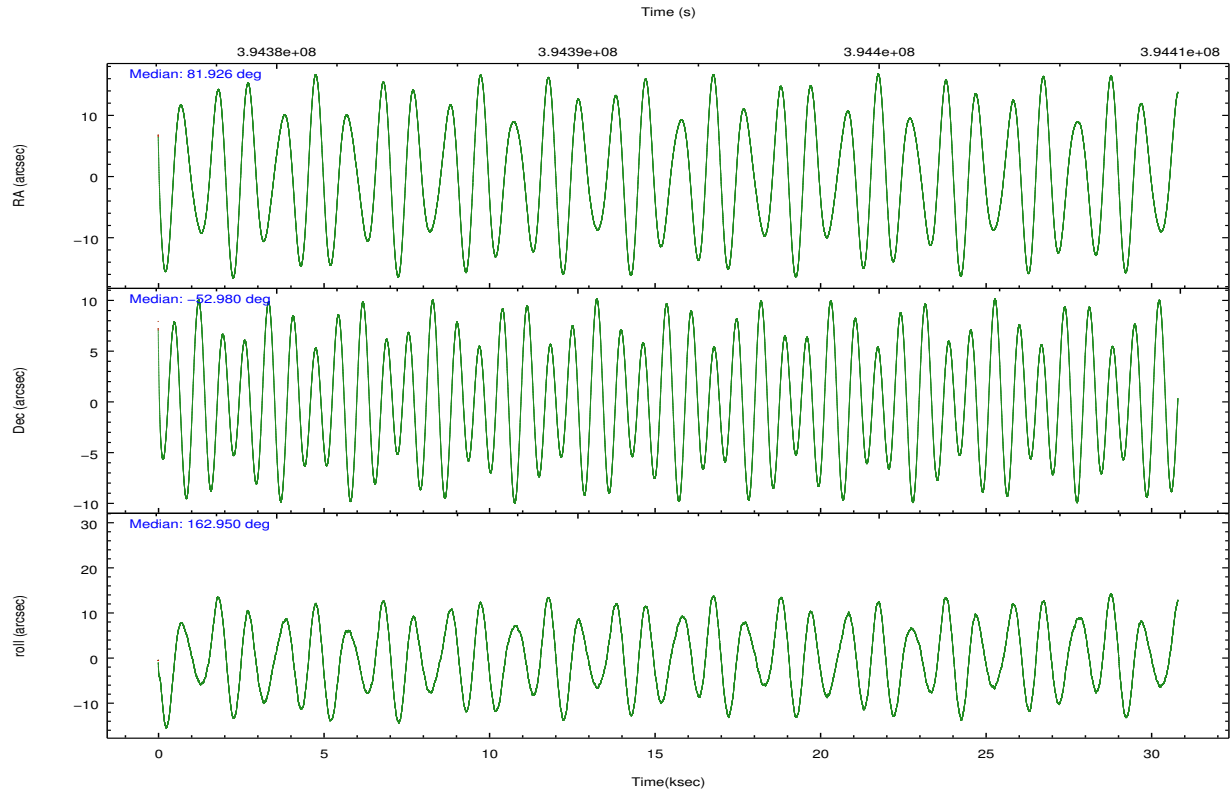
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8181	10087	8551	8580	9288
	3%	4%	3%	3%	4%
grade 1 events	113	144	129	143	129
	0%	0%	0%	0%	0%
grade 2 events	6085	6389	5883	5170	5564
	2%	2%	2%	2%	2%
grade 3 events	2683	2857	2430	2502	2777
	1%	1%	1%	1%	1%
grade 4 events	2516	2692	2401	2568	2552
	1%	1%	1%	1%	1%
grade 5 events	8823	9620	8436	10120	9838
	4%	4%	3%	4%	4%
grade 6 events	4762	5669	4402	4722	5381
	2%	2%	1%	2%	2%
grade 7 events	174548	176143	198615	192126	188667
	84%	82%	86%	85%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	81.969864	81.92538769406326	Subarray requested	NONE	NONE
[deg] Pointing Dec	-52.973970	-52.98025416360147	Alternating exposures requested	N	N
[deg] Pointing Roll	162.783321	162.9564931828493	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	394378395.184000	394376637.13348			
Observation start date	2010-07-01T13:32:09	2010-07-01T13:03:57			
[s] Observation end time (MET)	394408395.184000	394409470.96016			
Observation end date	2010-07-01T21:52:09	2010-07-01T22:11:10			
Read mode	TIMED	TIMED			

2.3 Aspect



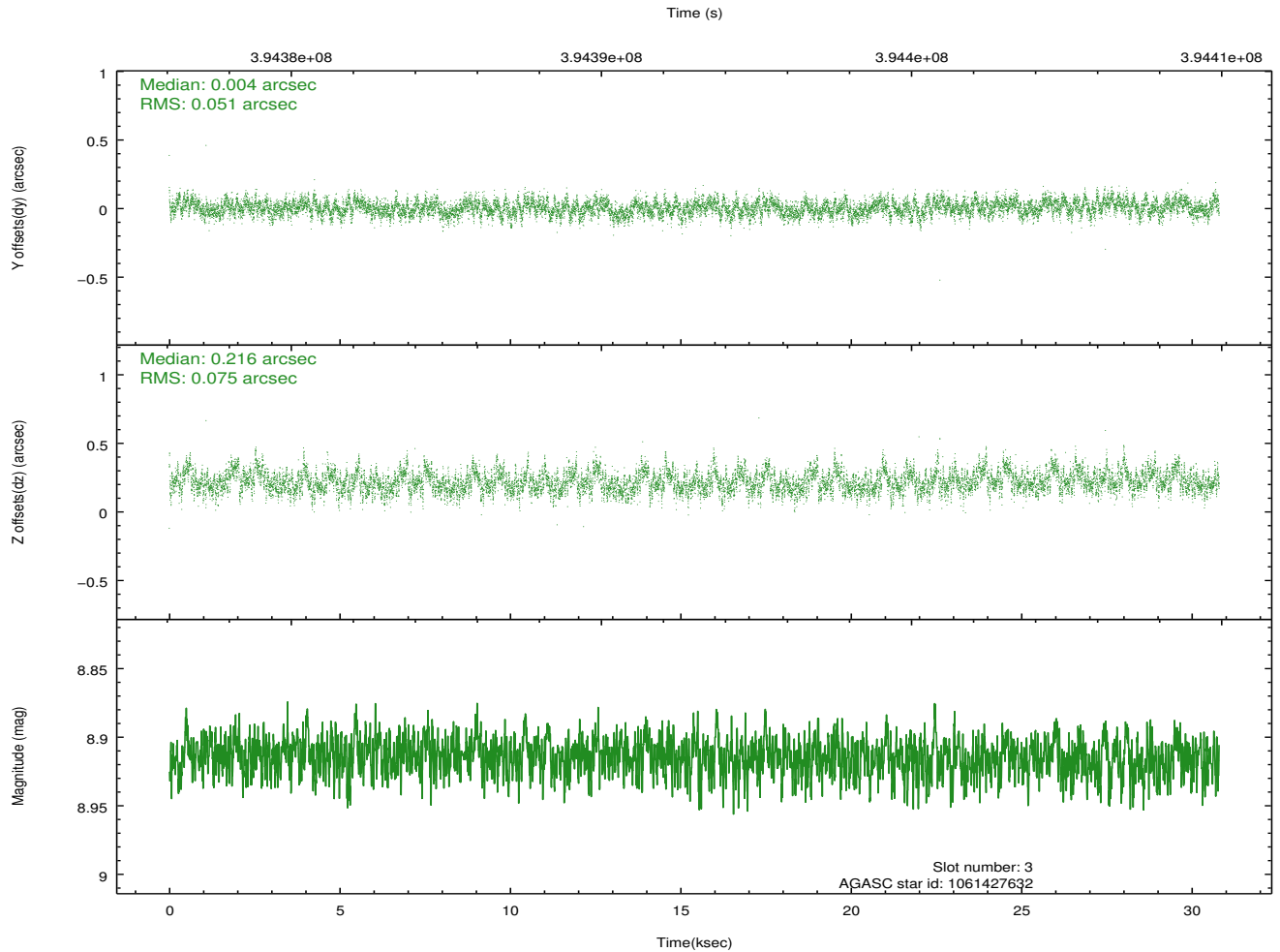
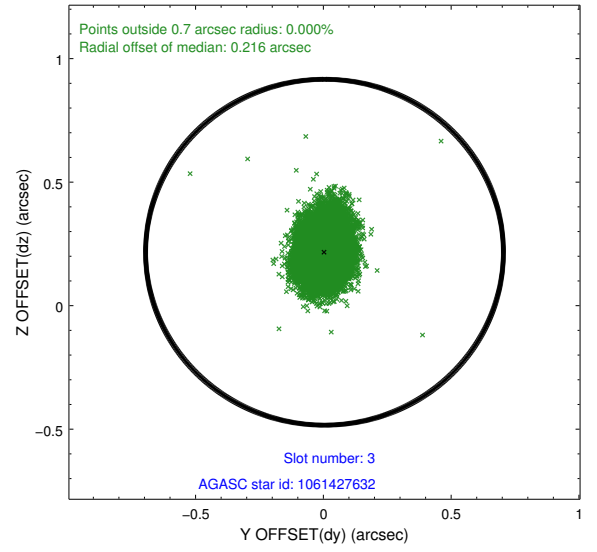
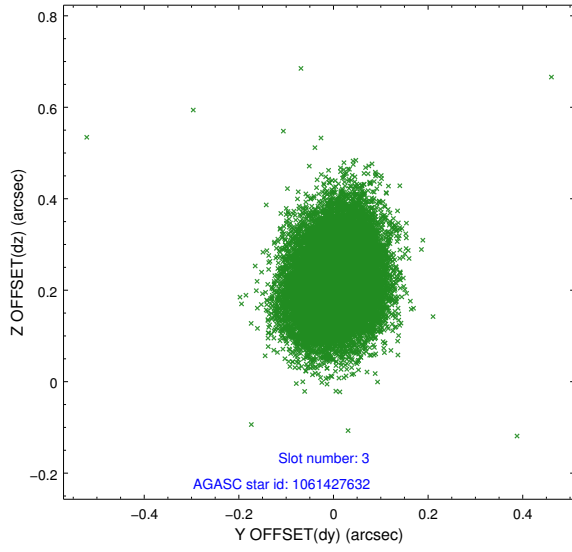


Slot Statistics

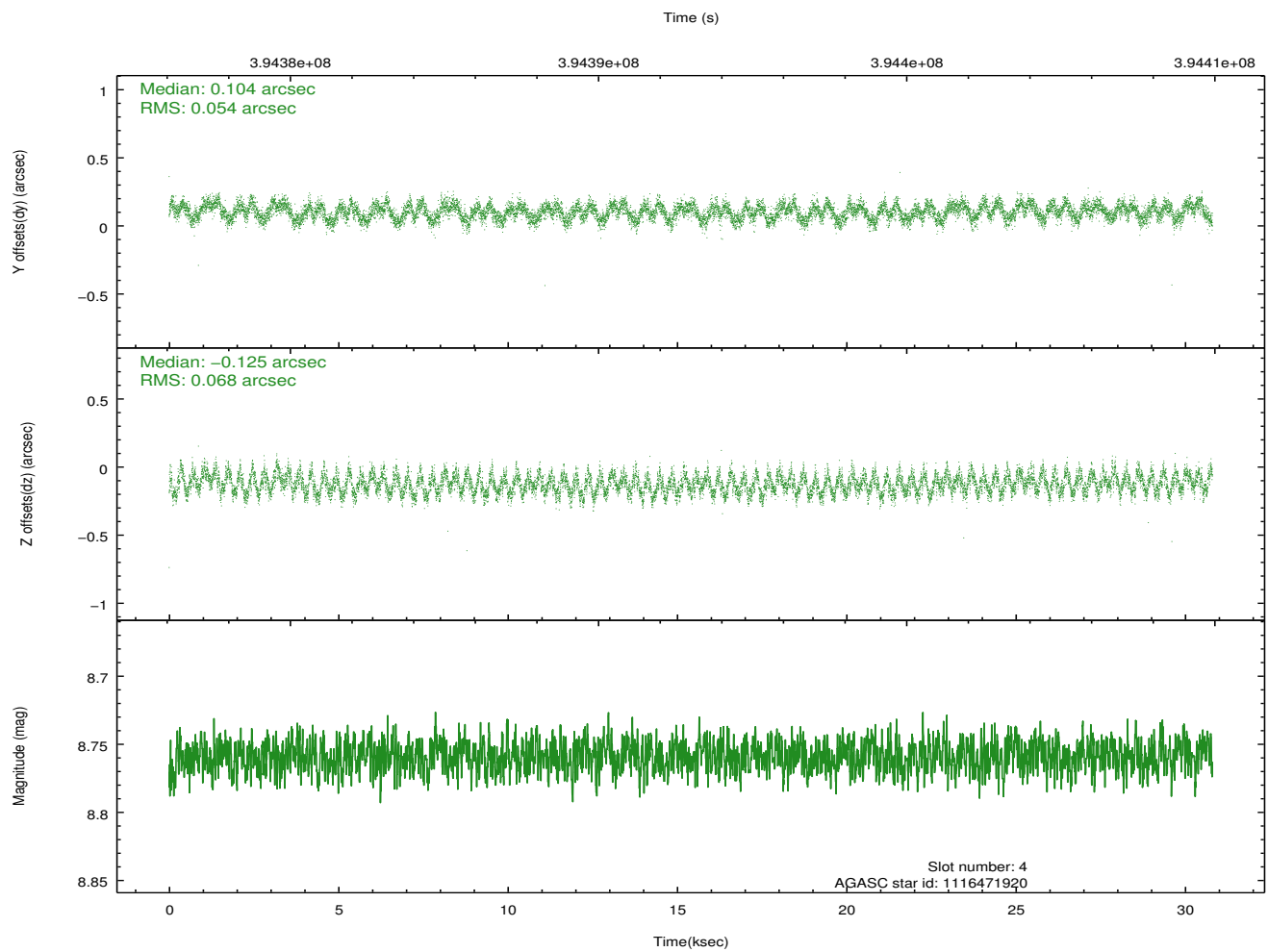
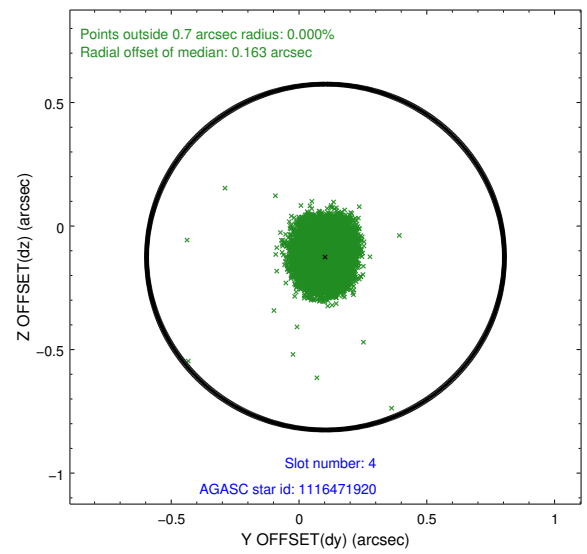
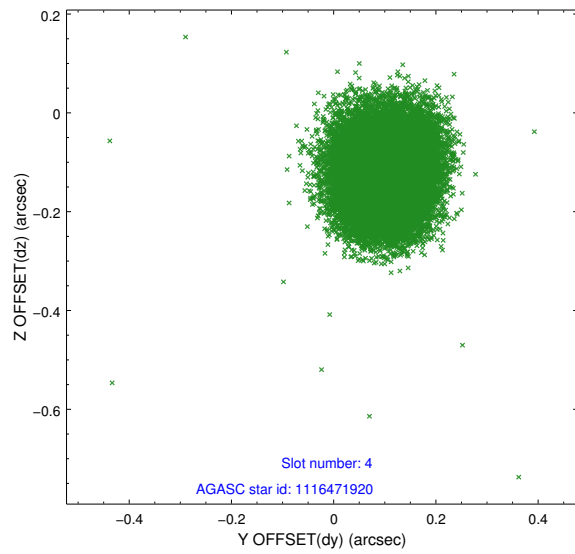
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	7514	0.106	-0.086	0.017	0.042	0.000000	0.000000	927.44	-998.07
1	FID	ACIS-I-5	6.98	7514	-0.226	0.097	0.015	0.025	0.000000	0.000000	-1820.98	899.51
2	FID	ACIS-I-6	7.01	7513	0.028	0.061	0.018	0.029	0.000000	0.000000	392.81	1544.09
3	GUIDE	1061427632	8.91	15016	0.004	0.216	0.094	0.158	82.581997	-52.440638	-716.08	-2226.23
4	GUIDE	1116471920	8.76	15022	0.104	-0.125	0.094	0.142	82.785416	-52.710471	-1420.77	-1423.26
5	GUIDE	1116473696	7.54	15026	-0.037	0.002	0.069	0.109	81.306955	-52.676900	1696.86	-586.66
6	GUIDE	1116477608	8.18	15022	-0.038	0.040	0.076	0.119	82.436900	-53.265653	-1272.22	708.56
7	GUIDE	1116479144	8.02	15026	-0.029	-0.137	0.062	0.098	81.040684	-53.428803	1415.07	2166.59

2.4 Star Slots

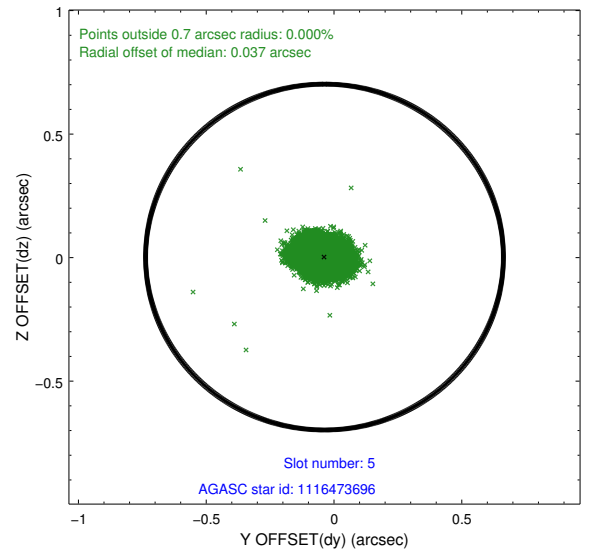
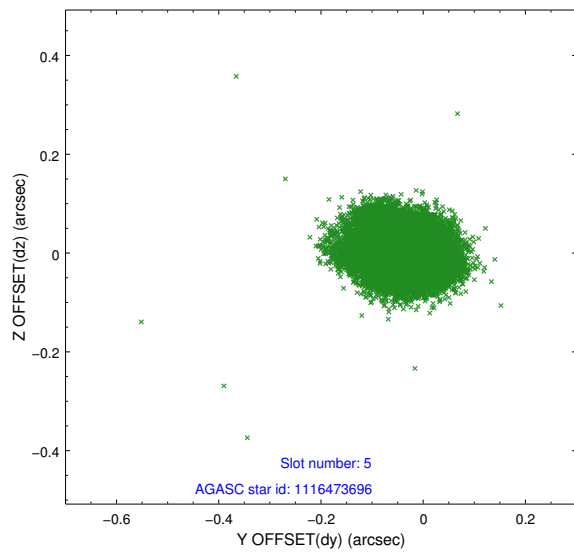
2.4.1 Slot 3



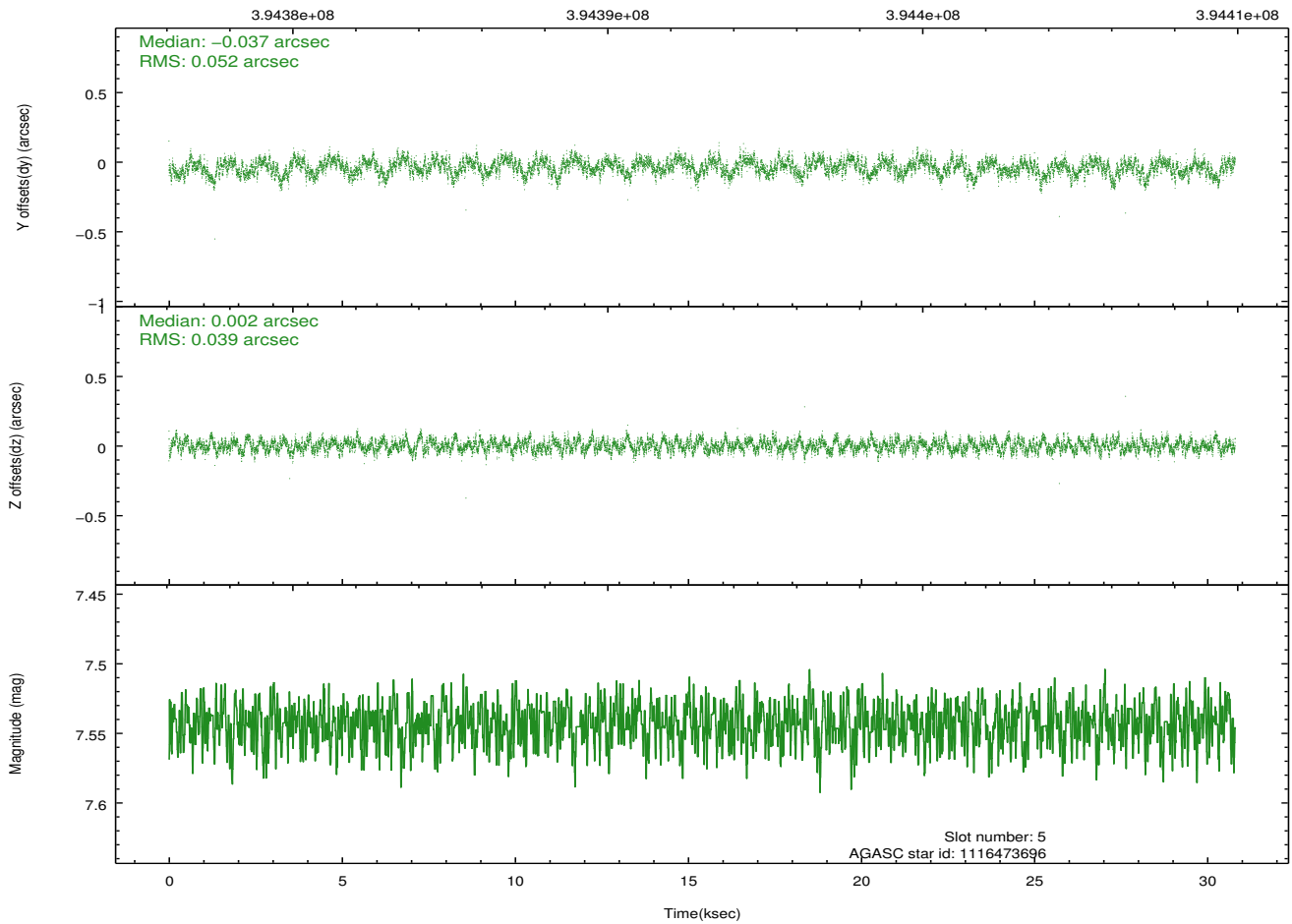
2.4.2 Slot 4



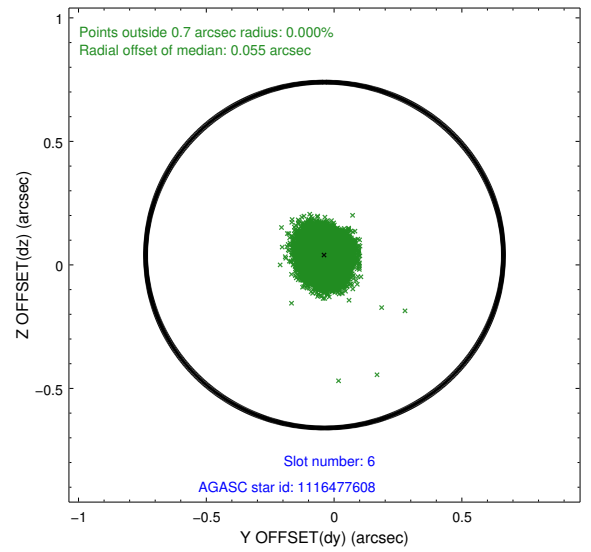
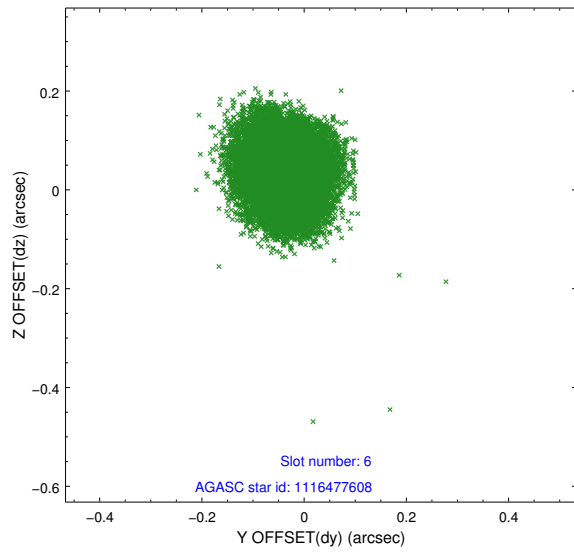
2.4.3 Slot 5



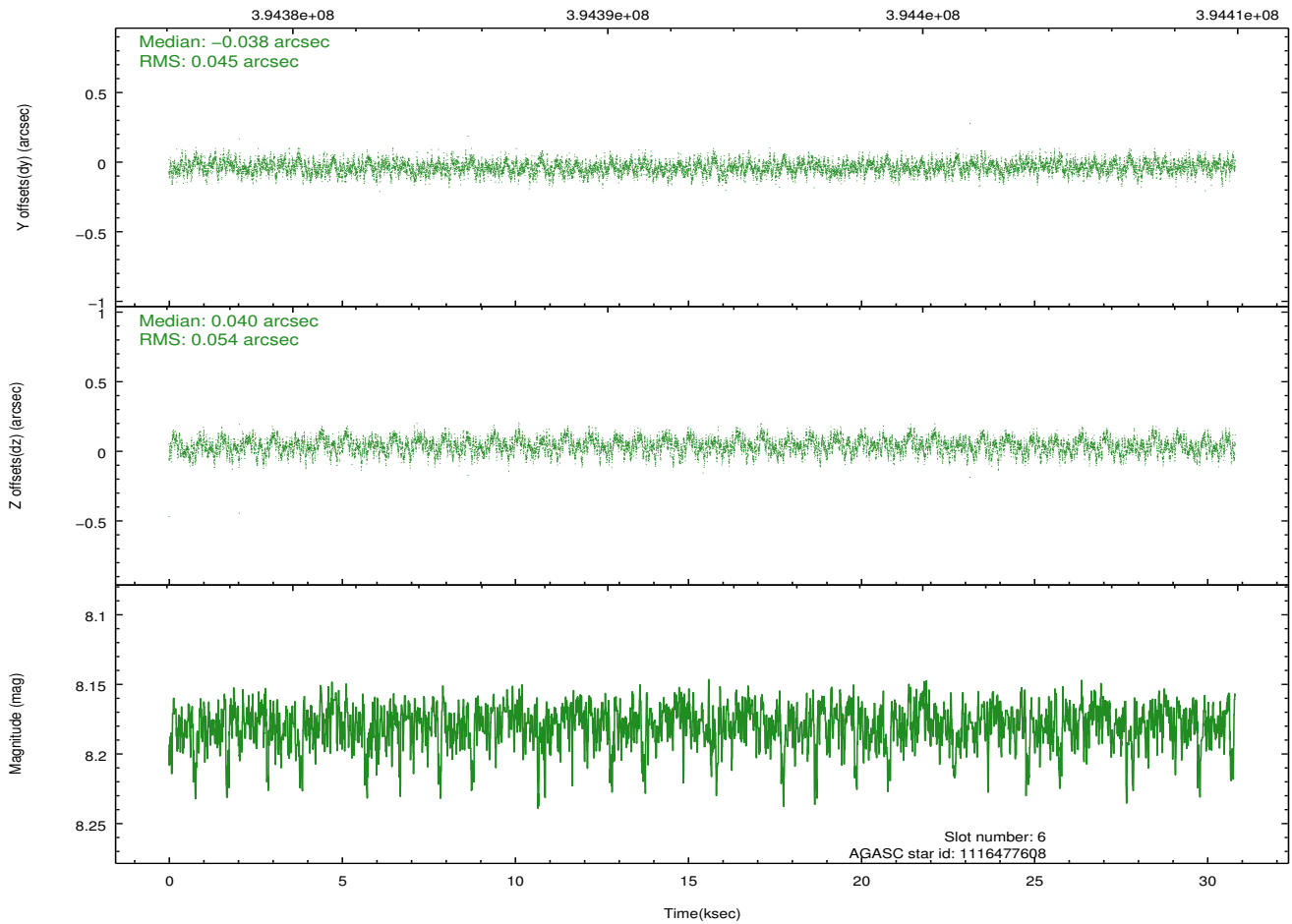
Time (s)



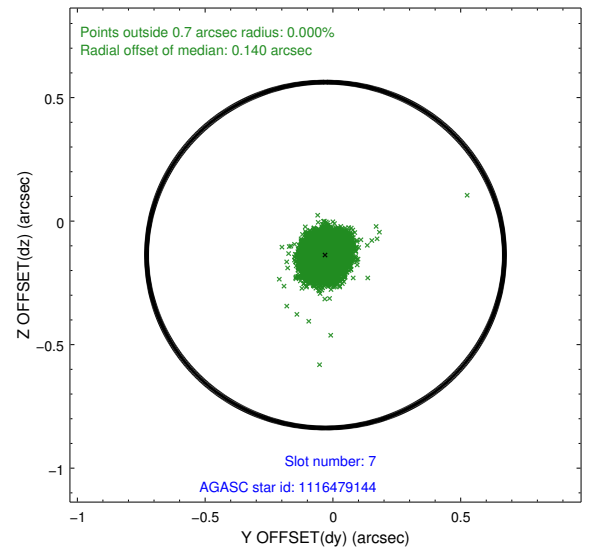
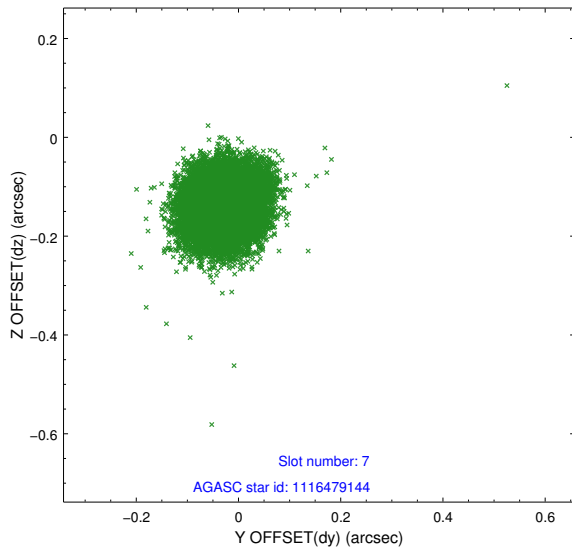
2.4.4 Slot 6



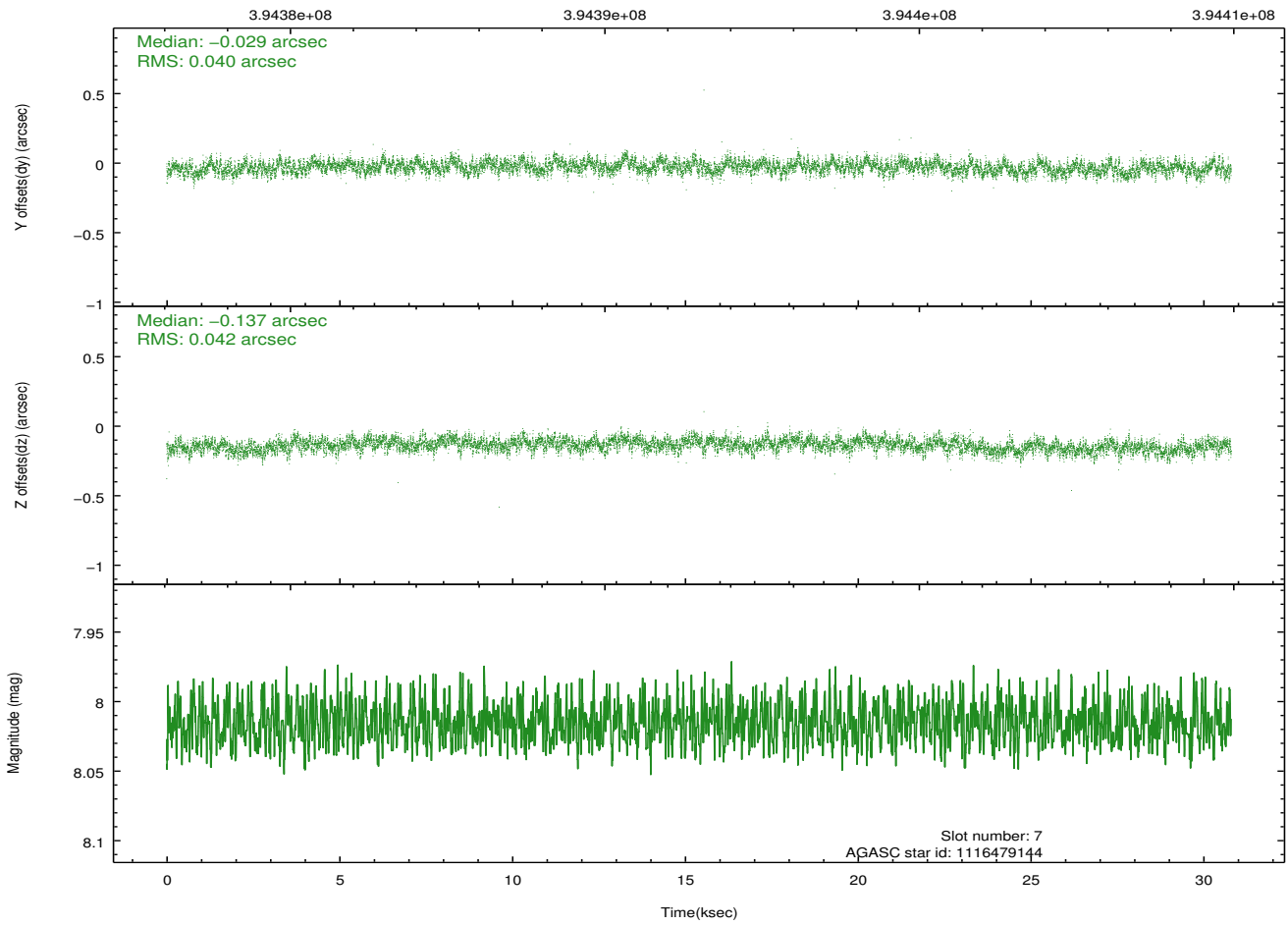
Time (s)



2.4.5 Slot 7

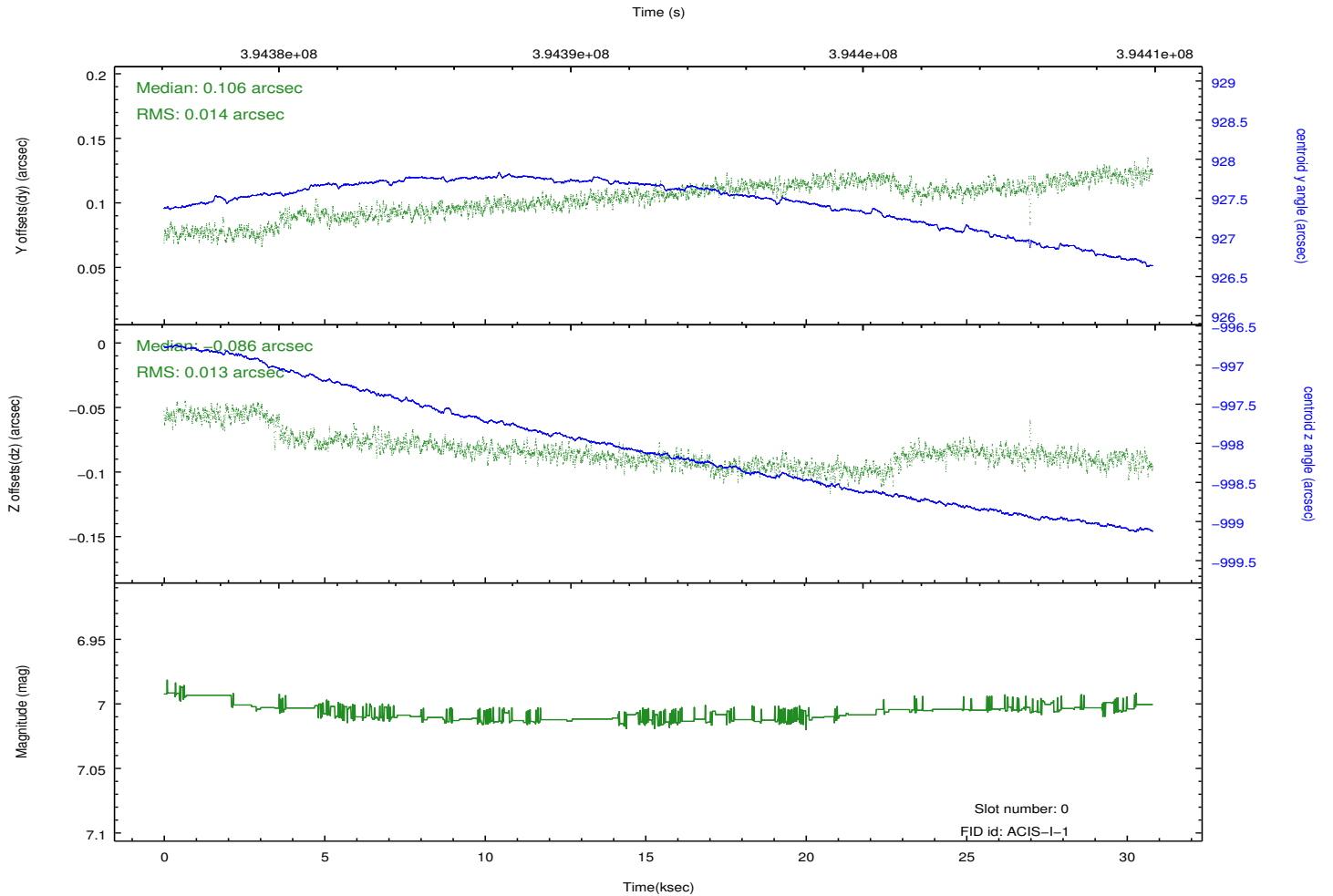
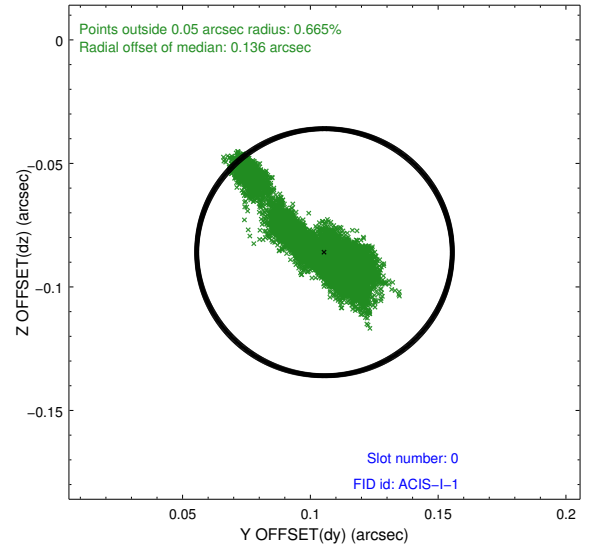
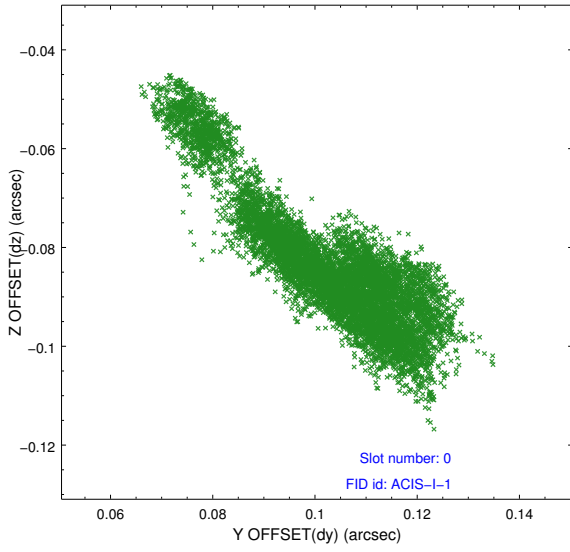


Time (s)

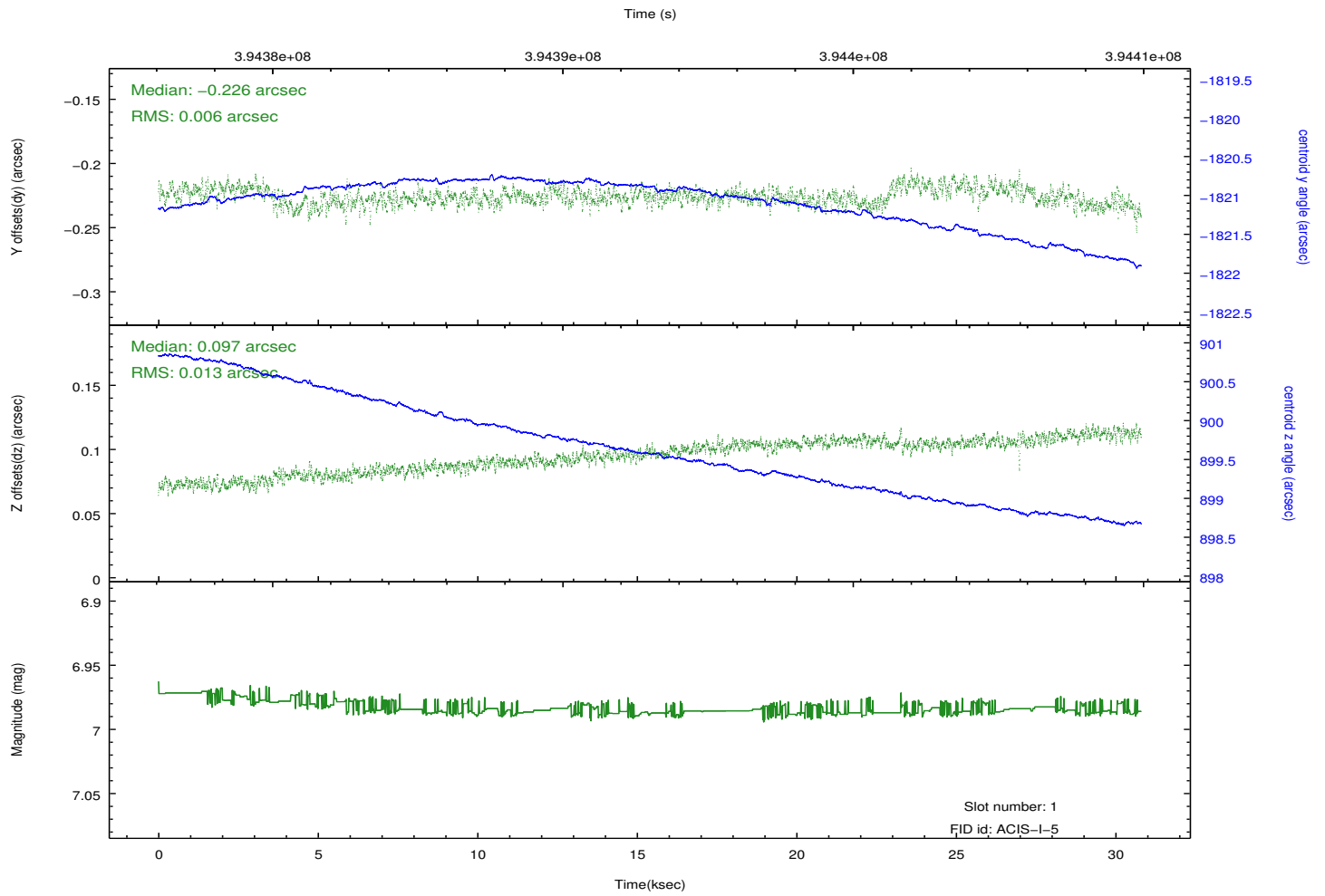
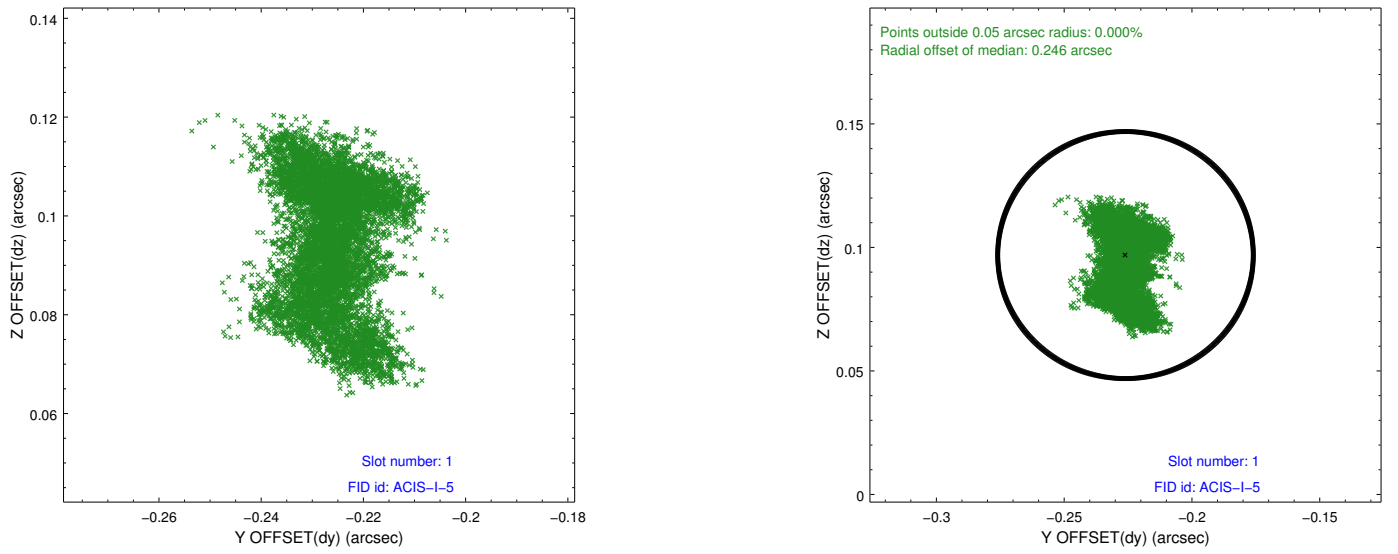


2.5 FID Slots

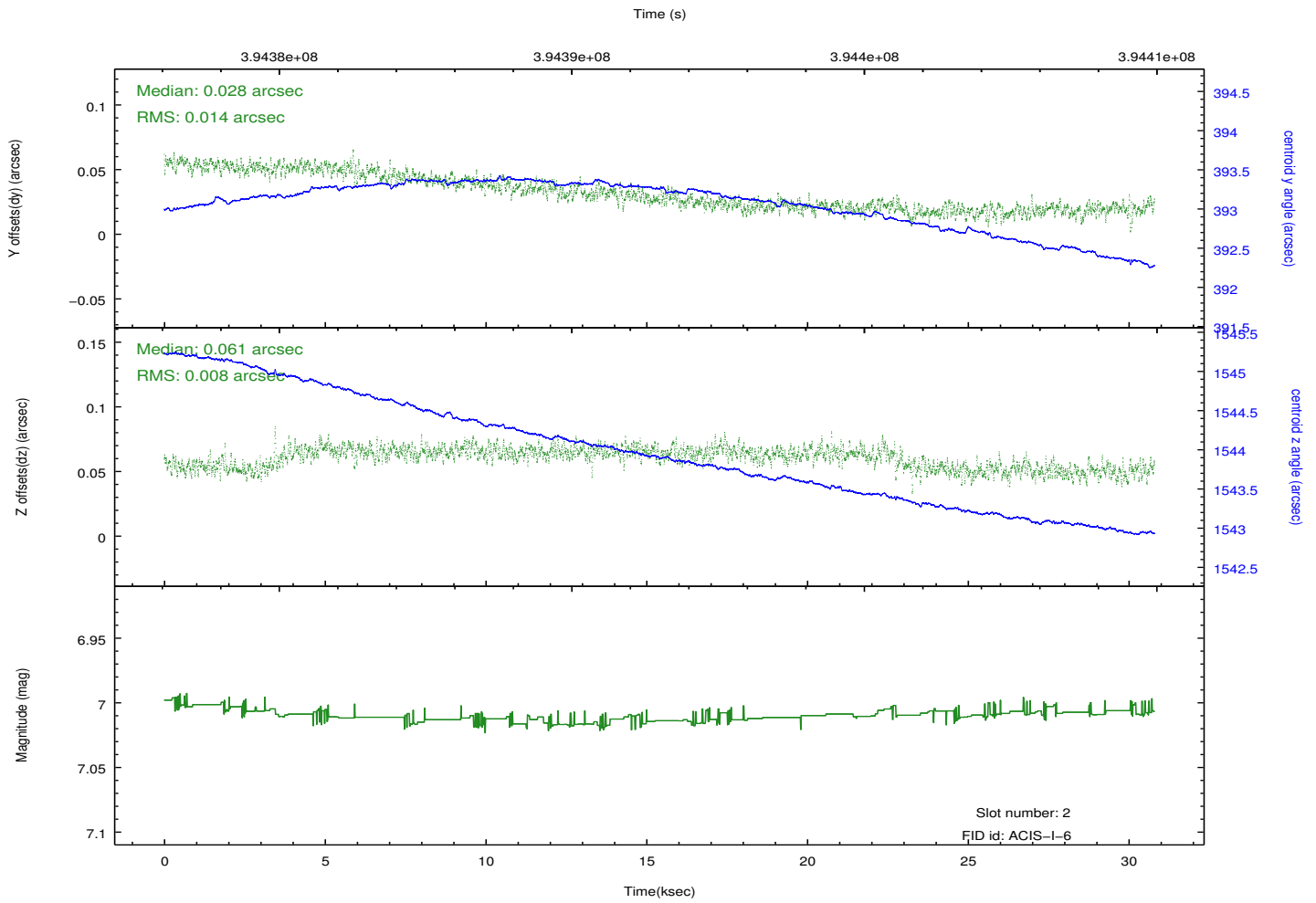
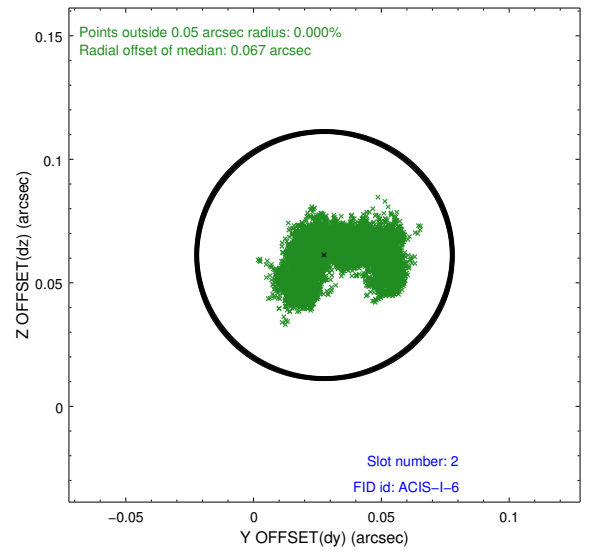
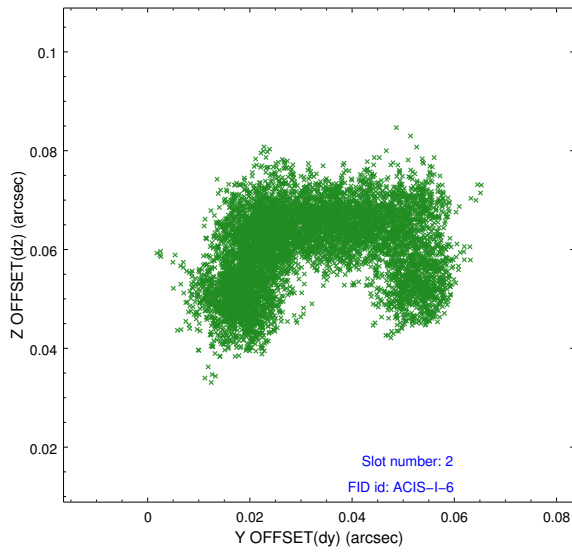
2.5.1 Slot 0



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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.044297085166

A.2 Comments