

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17504 - L2 Version 1
Chandra X-Ray Center

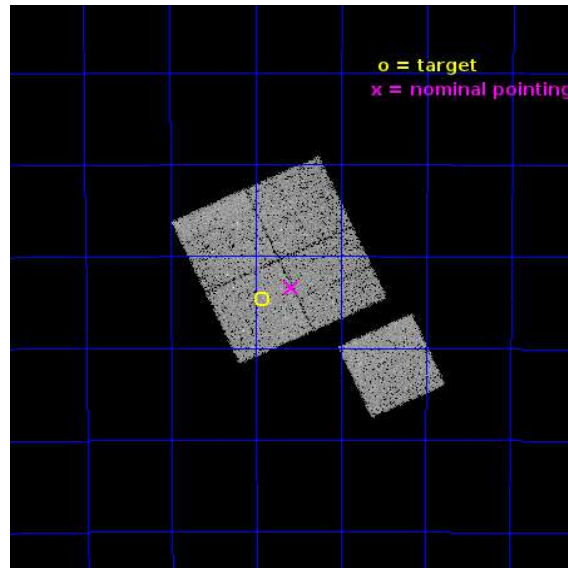
L2 Processing Date : Jun 18 2015

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1 Front

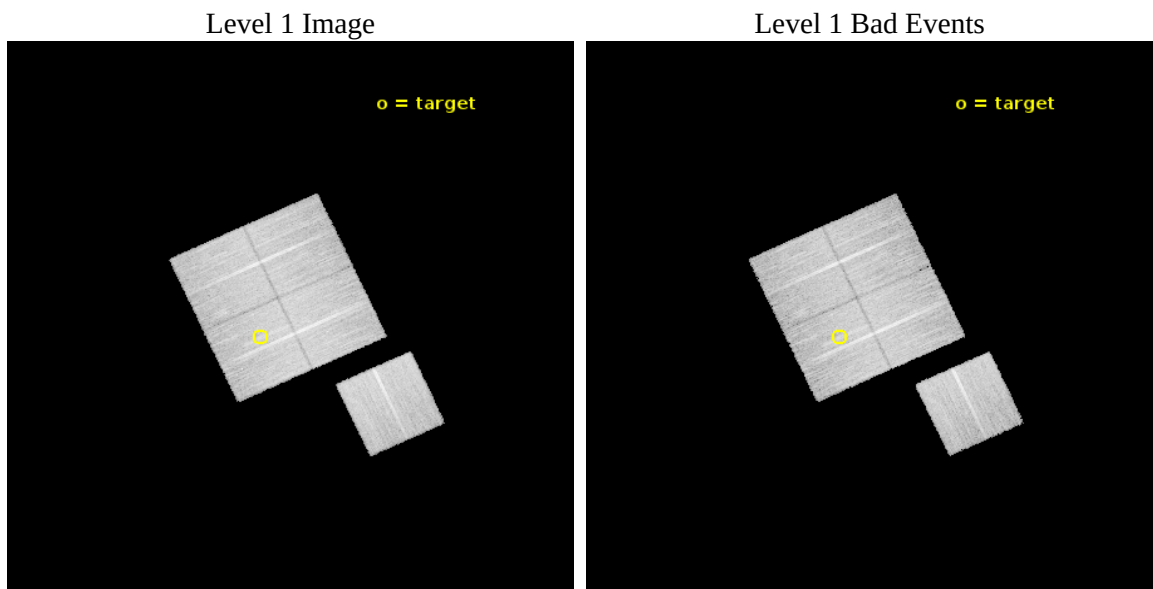
seq_num	801492	Sequence number
obs_id	17504	Observation id
title	A MASS-LIMITED SURVEY OF GALAXY CLUSTERS AT $1.2 < z < 1.7$: PROBING THE PHYSICS OF THE ICM DURING ITS ASSEMBLY	Proposal title
observer	Dr Michael McDonald	Principal investigator
object	SPT-CLJ0313-5334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	48.480833	Observer's specified target RA [deg]
dec_targ	-53.578111	Observer's specified target Dec [deg]
ra_nom	48.395954379598	Nominal RA [deg]
dec_nom	-53.55729634886	Nominal Dec [deg]
roll_nom	155.14038313284	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23035.977256298	Sum of GTIs [s]
livetime	22734.995254605	Livetime [s]
ontime0	23045.40017736	Sum of GTIs [s]
ontime1	23045.40017736	Sum of GTIs [s]
ontime2	23042.259187102	Sum of GTIs [s]
ontime3	23035.977256298	Sum of GTIs [s]
ontime6	23045.40017736	Sum of GTIs [s]
l2events	59731	Number of level 2 events



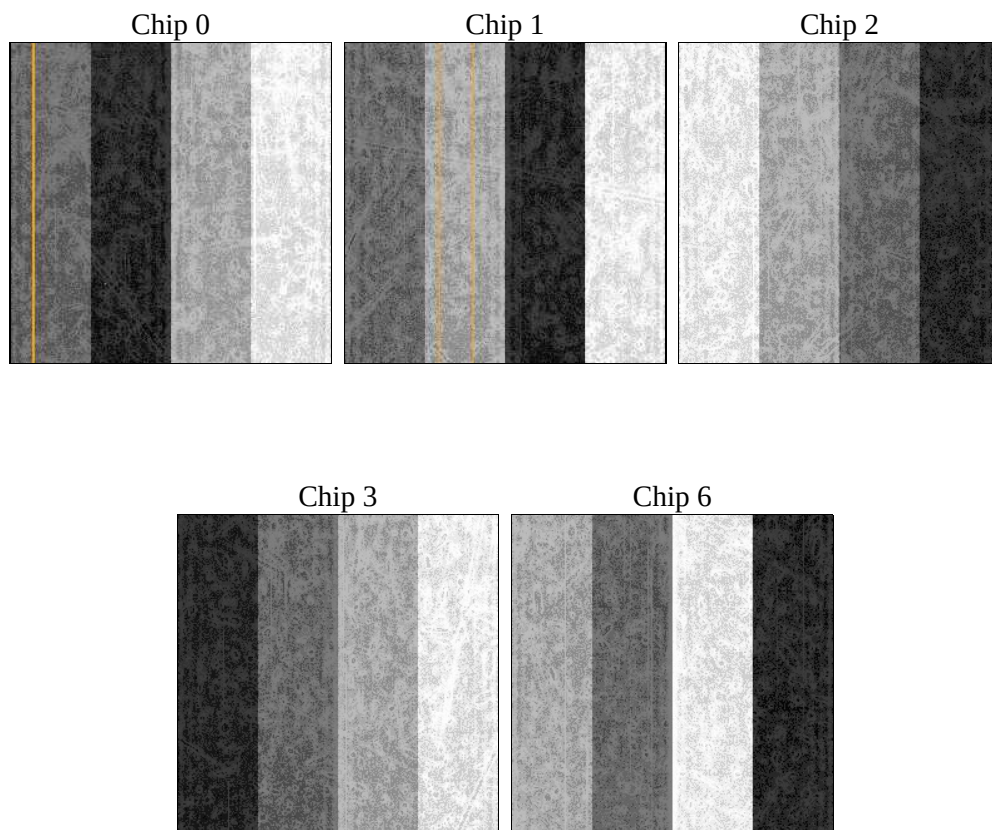
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	23035.977256298	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	23045.40017736	Sum of GTIs [s]
date	2015-06-19T02:25:36	Date and time of file creation	ontime1	23045.40017736	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	23042.259187102	Sum of GTIs [s]
			ontime3	23035.977256298	Sum of GTIs [s]
			ontime6	23045.40017736	Sum of GTIs [s]
			l1events	592925	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	110901	113805	126916	120591	120712
rejected events	96700	98266	112658	106925	105673
rejected %	87%	86%	88%	88%	87%

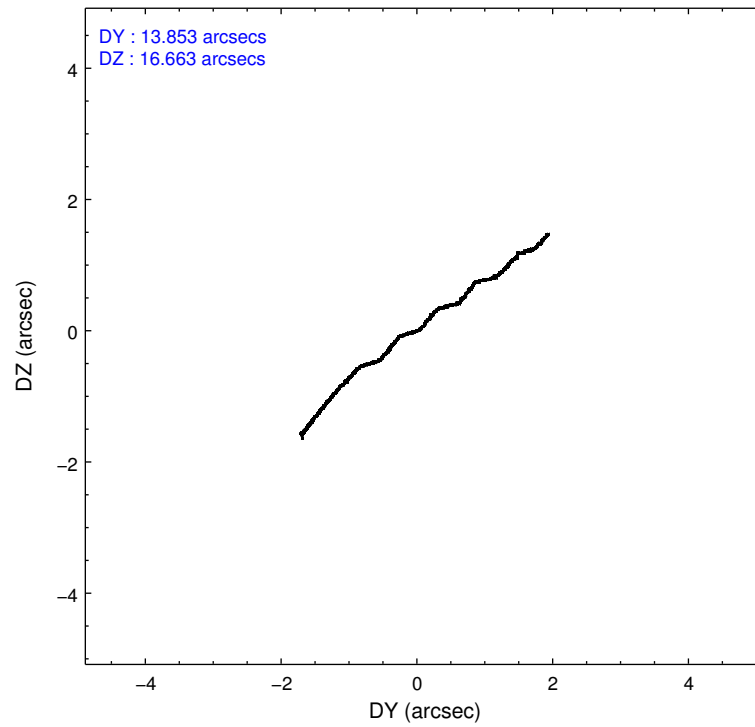
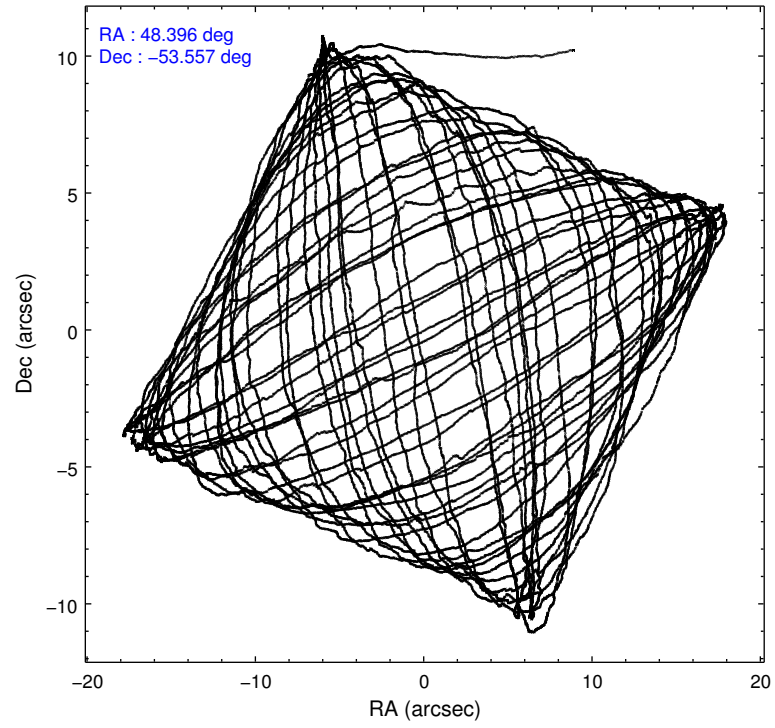
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5071	5350	5369	4916	5294
	4%	4%	4%	4%	4%
grade 1 events	60	55	57	67	57
	0%	0%	0%	0%	0%
grade 2 events	3632	3926	3555	3085	3631
	3%	3%	2%	2%	3%
grade 3 events	1382	1431	1274	1444	1409
	1%	1%	1%	1%	1%
grade 4 events	1297	1451	1471	1394	1413
	1%	1%	1%	1%	1%
grade 5 events	5131	5560	4716	6064	5656
	4%	4%	3%	5%	4%
grade 6 events	2820	3385	2596	2828	3298
	2%	2%	2%	2%	2%
grade 7 events	91508	92647	107878	100793	99954
	82%	81%	84%	83%	82%

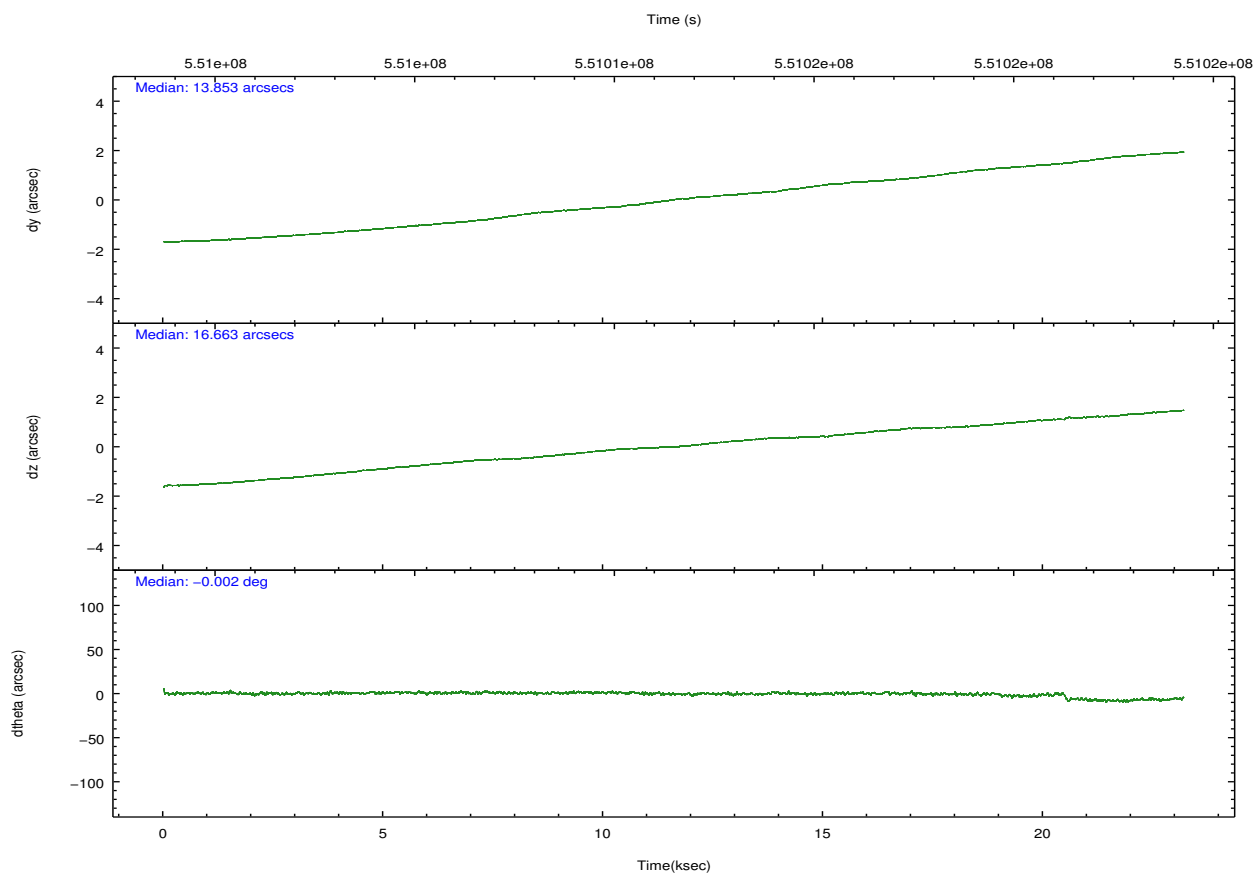
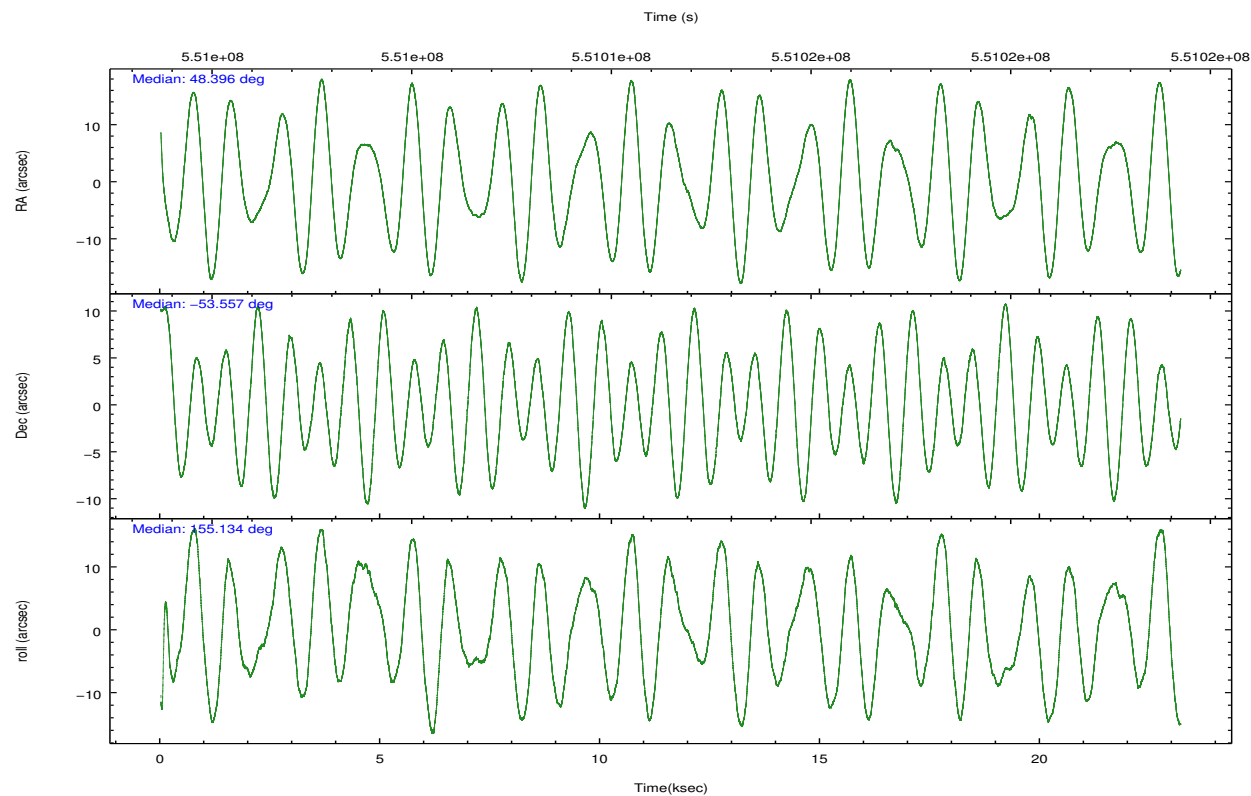
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	48.442220	48.39595437959829
[deg] Pointing Dec	-53.554719	-53.55729634886044
[deg] Pointing Roll	154.968928	155.1403831328372
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-225.842463	-225.8458576473255
[mm] SIM translation stage offset	-7.75	-7.746595355604228
[s] Observation start time (MET)	551000085.184000	550998534.0409499
Observation start date	2015-06-18T07:33:38	2015-06-18T07:08:54
[s] Observation end time (MET)	551023085.184000	551023971.46738
Observation end date	2015-06-18T13:56:58	2015-06-18T14:12:51
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



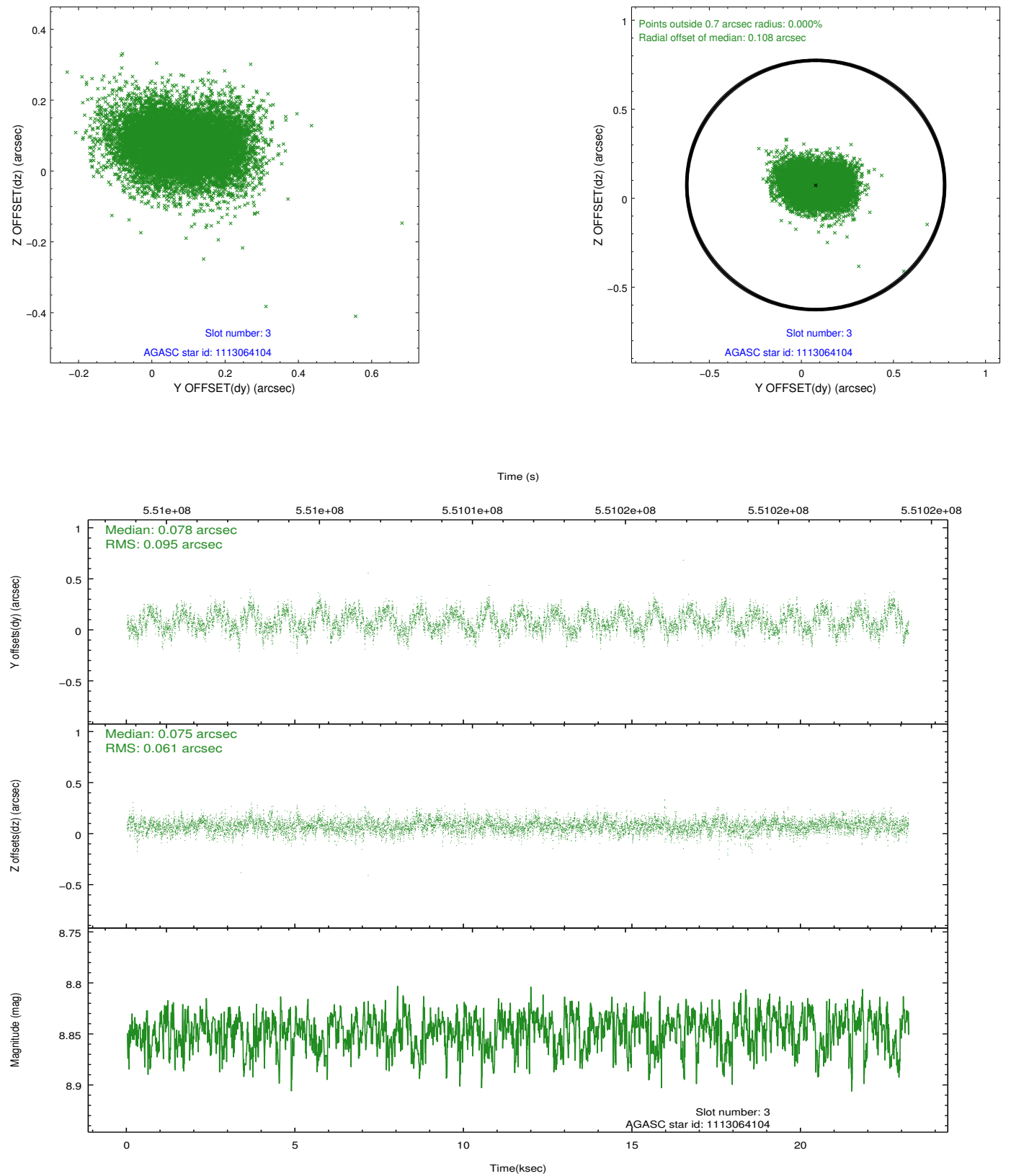


Slot Statistics

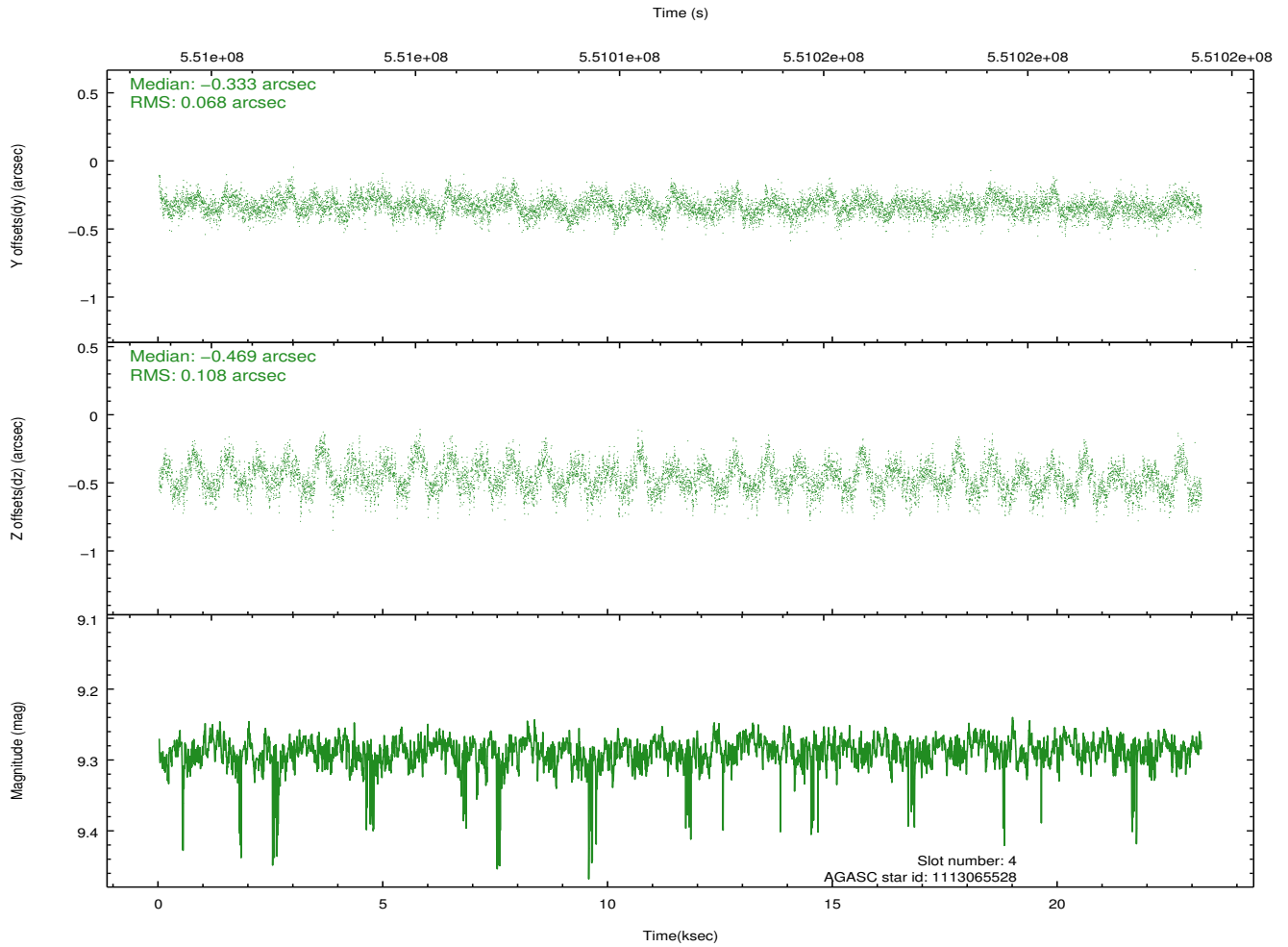
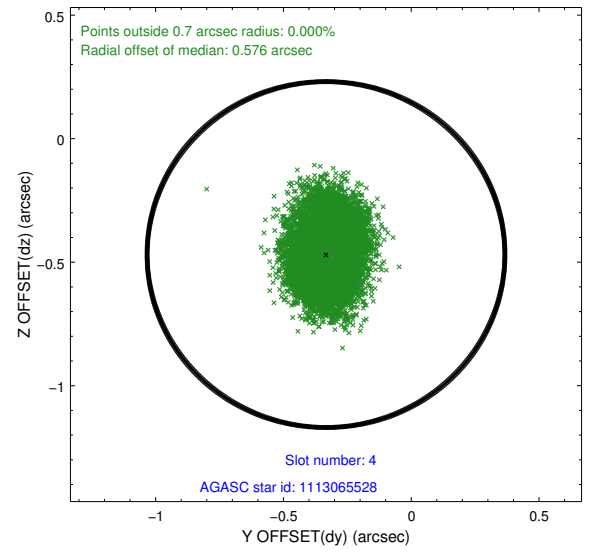
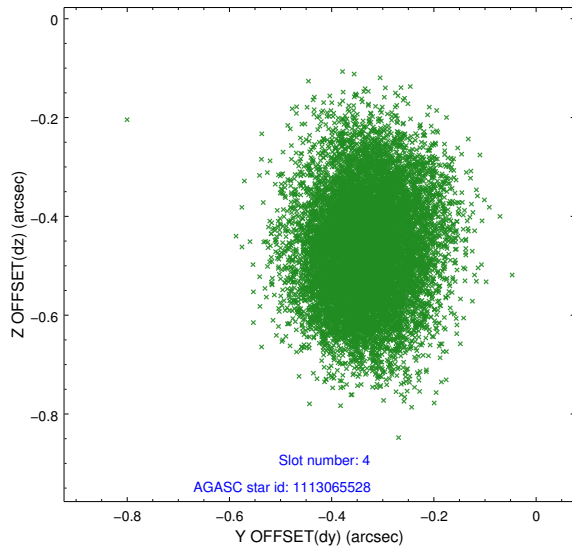
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.18	5654	0.139	-0.116	0.025	0.057	0.000000	0.000000	925.64	-999.41
1	FID		ACIS-I-2	7.13	5655	-0.306	0.013	0.013	0.051	0.000000	0.000000	-769.23	-1004.82
2	FID		ACIS-I-4	7.08	5653	0.068	0.168	0.023	0.033	0.000000	0.000000	2144.94	901.56
3	GUIDE	used	1113064104	8.85	11306	0.078	0.075	0.121	0.194	47.900337	-52.889547	2077.97	-1664.87
4	GUIDE	used	1113065528	9.29	11303	-0.333	-0.469	0.136	0.222	47.504672	-53.789515	1443.37	1621.00
5	GUIDE	used	1113066048	9.50	11300	0.050	0.298	0.262	0.401	48.443285	-53.325384	347.44	-749.09
6	GUIDE	used	1113064264	9.18	11306	-0.096	0.081	0.129	0.215	47.885073	-52.850725	2168.32	-1779.34
7	GUIDE	used	1113203144	9.86	11301	0.250	0.030	0.198	0.316	49.210650	-54.091254	-2290.41	1071.26

2.4 Star Slots

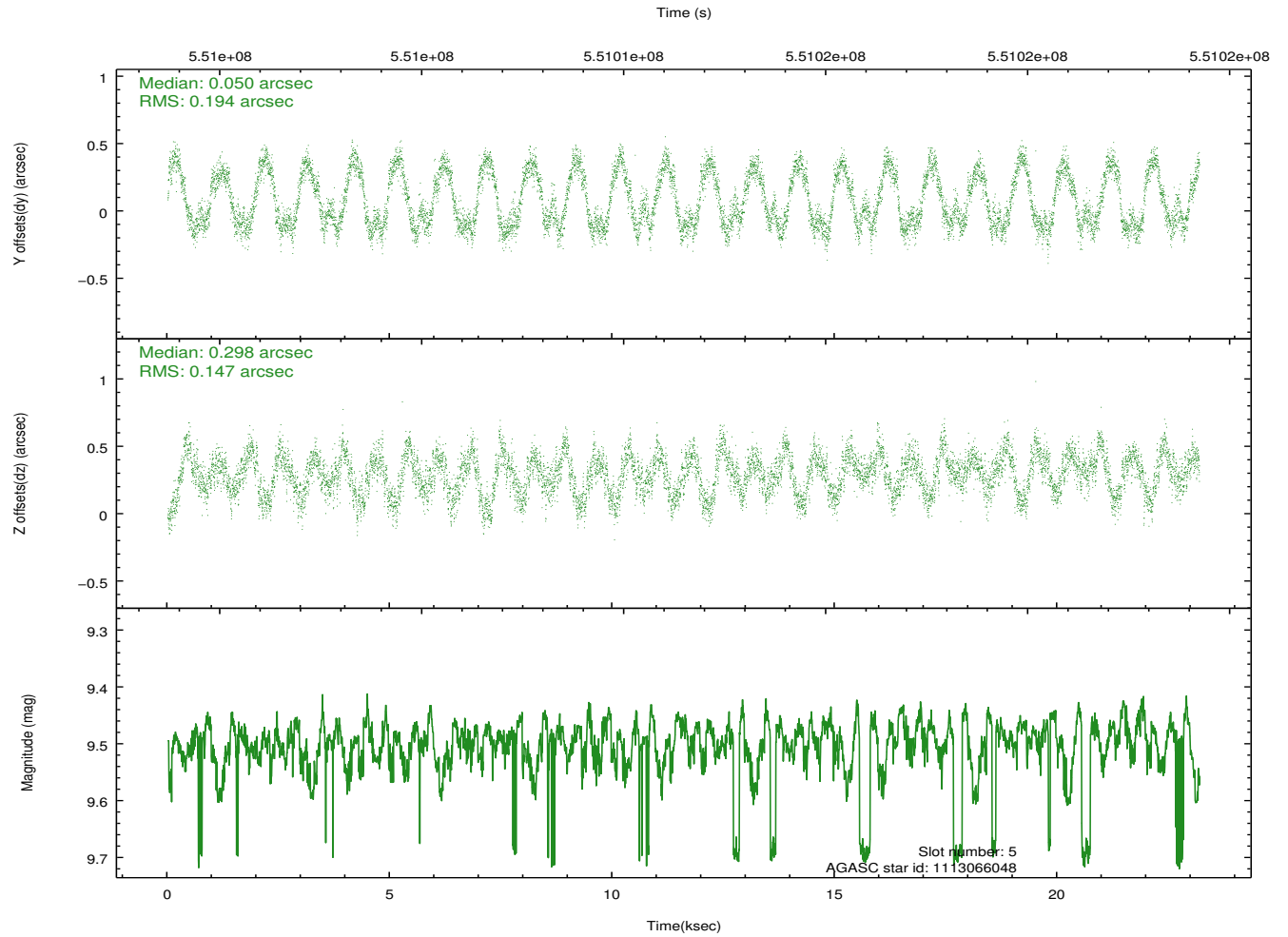
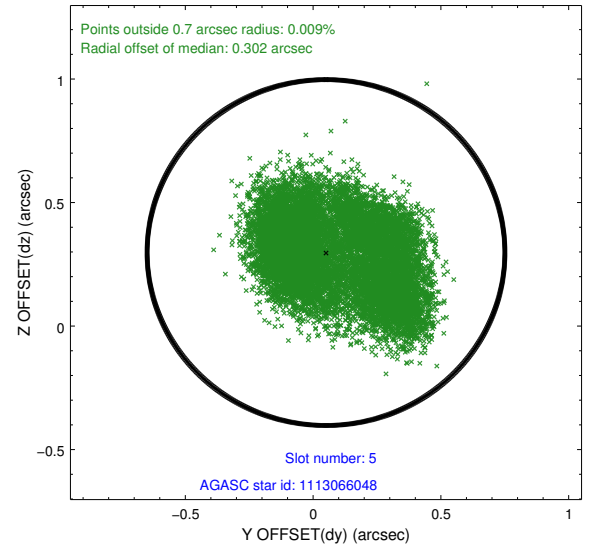
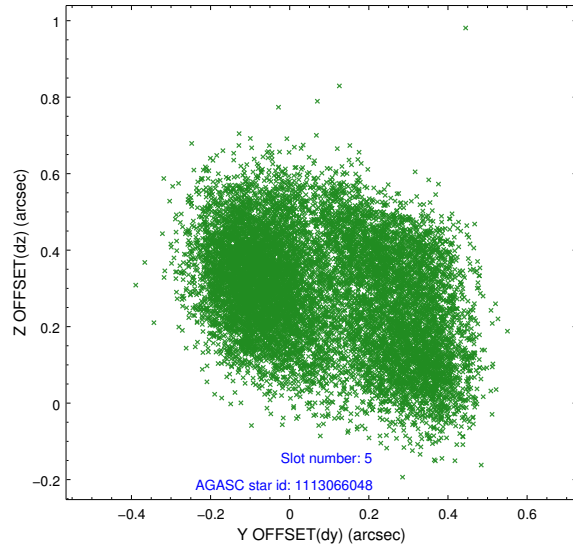
2.4.1 Slot 3



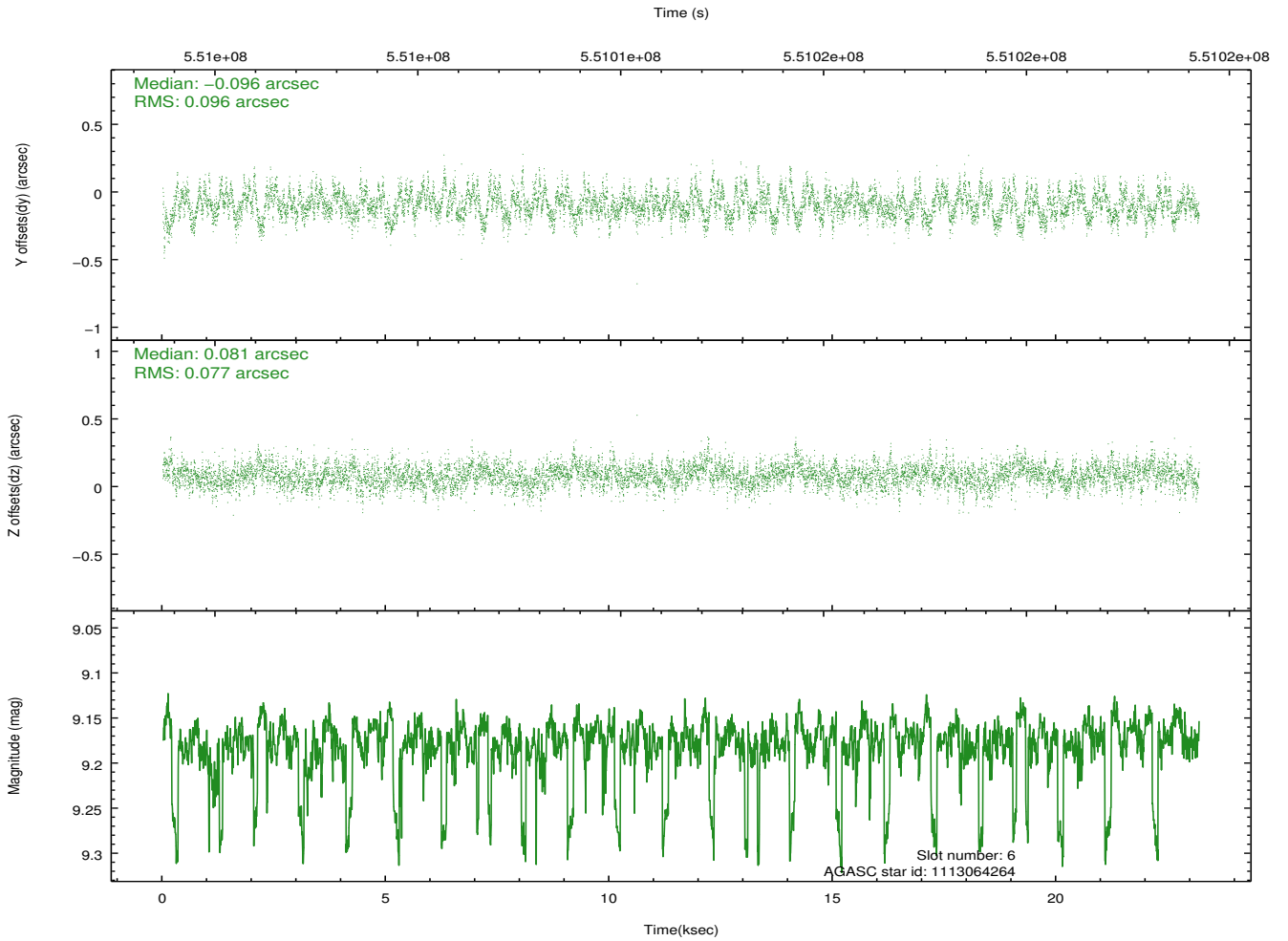
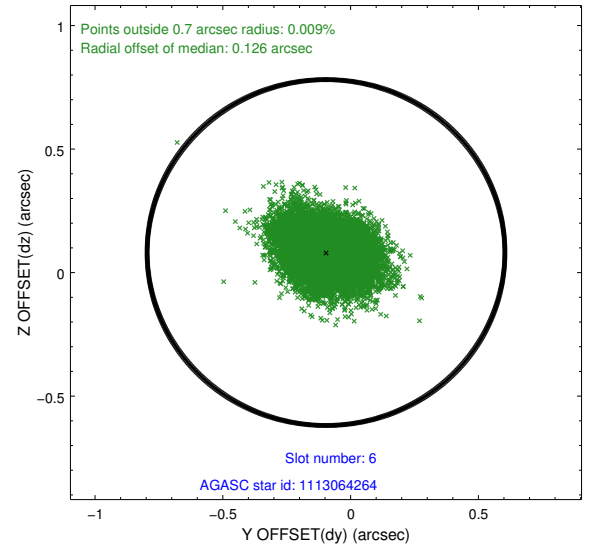
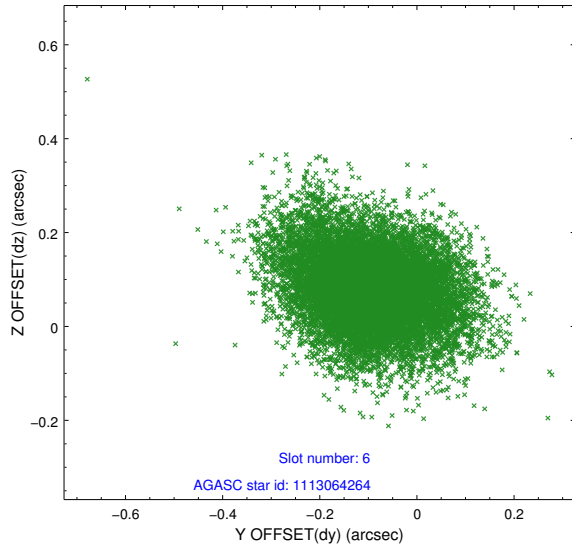
2.4.2 Slot 4



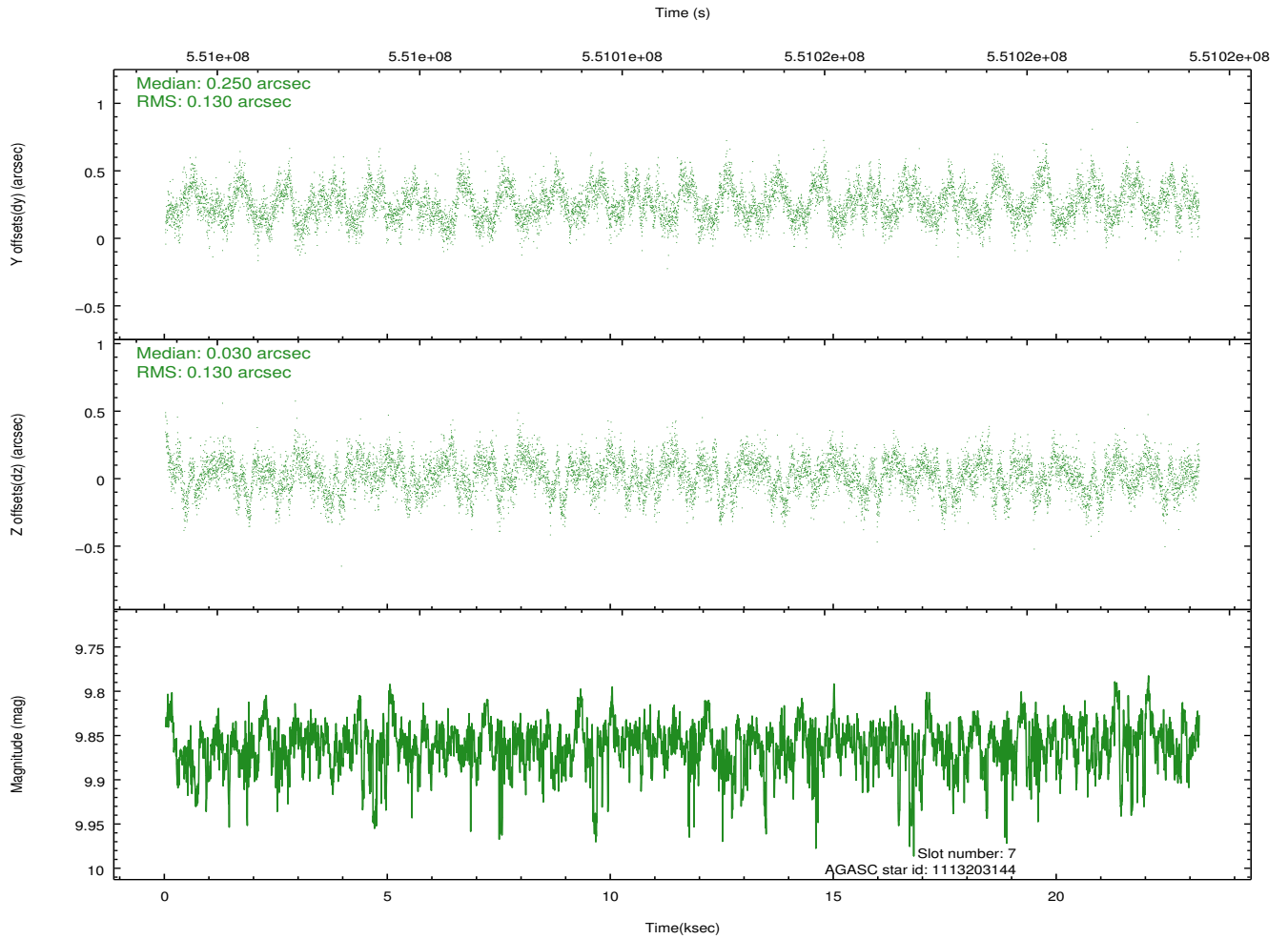
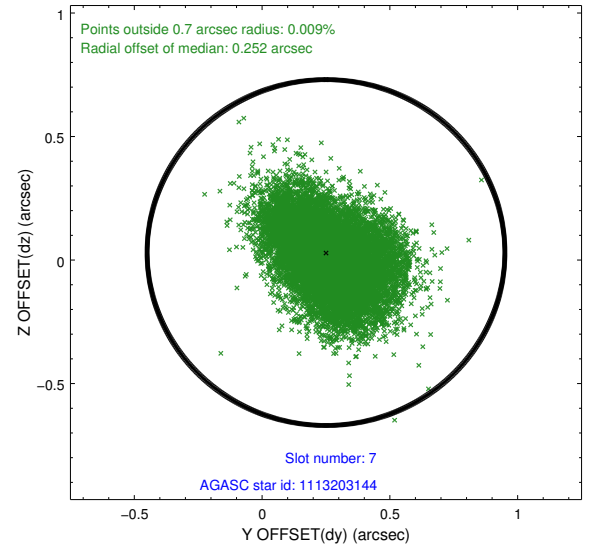
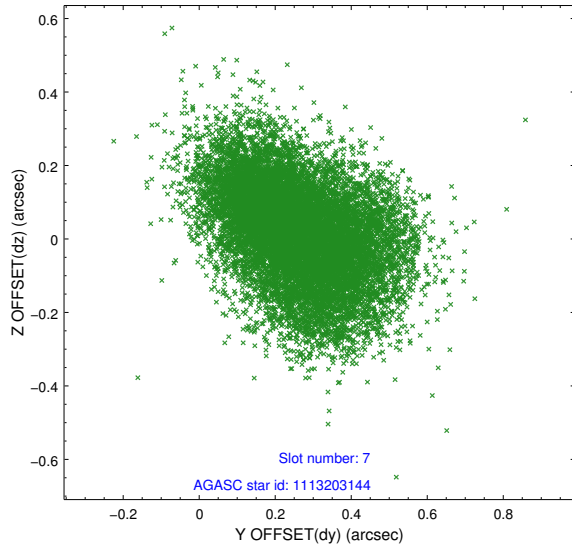
2.4.3 Slot 5



2.4.4 Slot 6

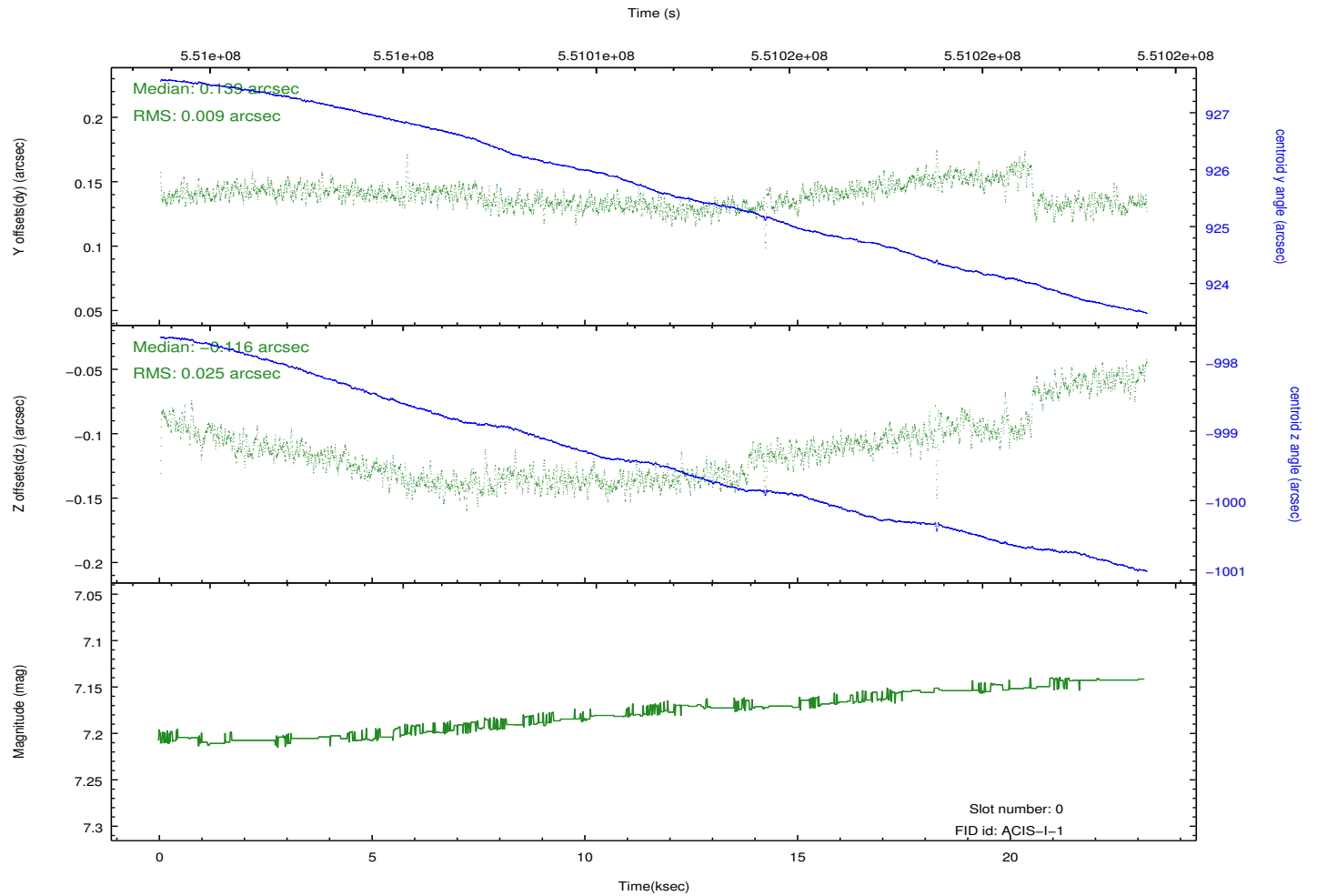
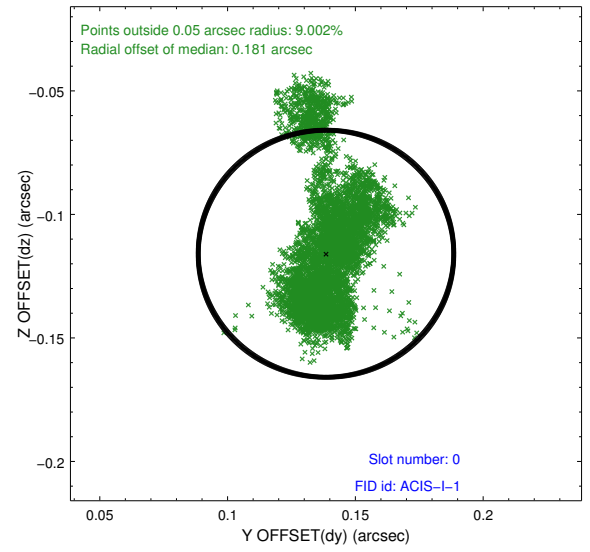
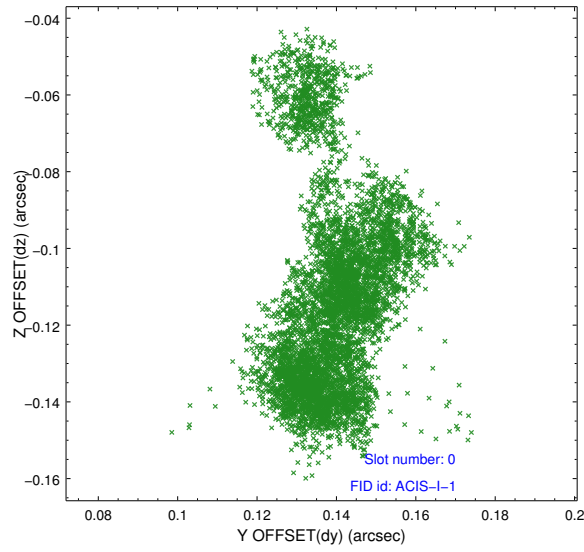


2.4.5 Slot 7

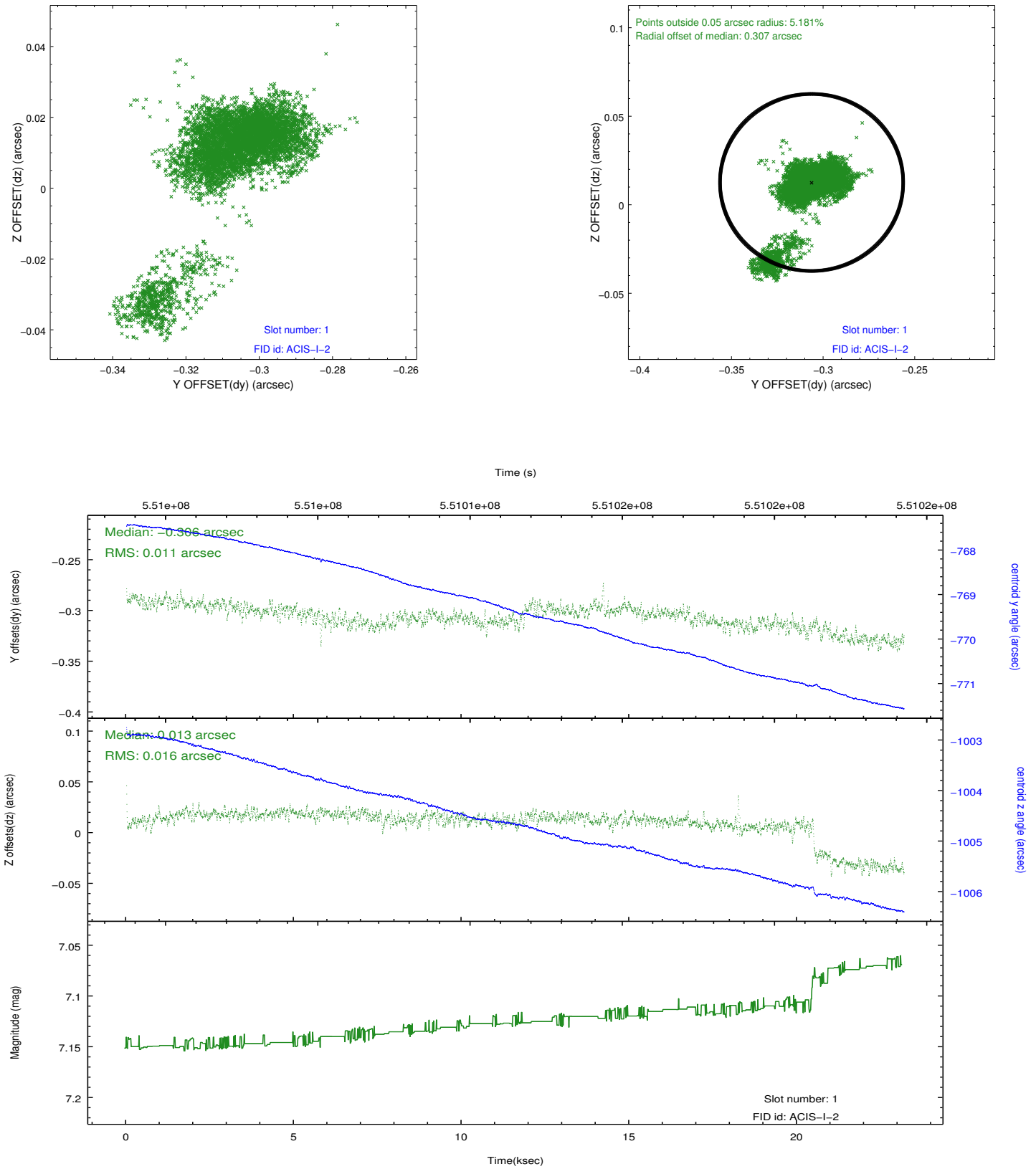


2.5 FID Slots

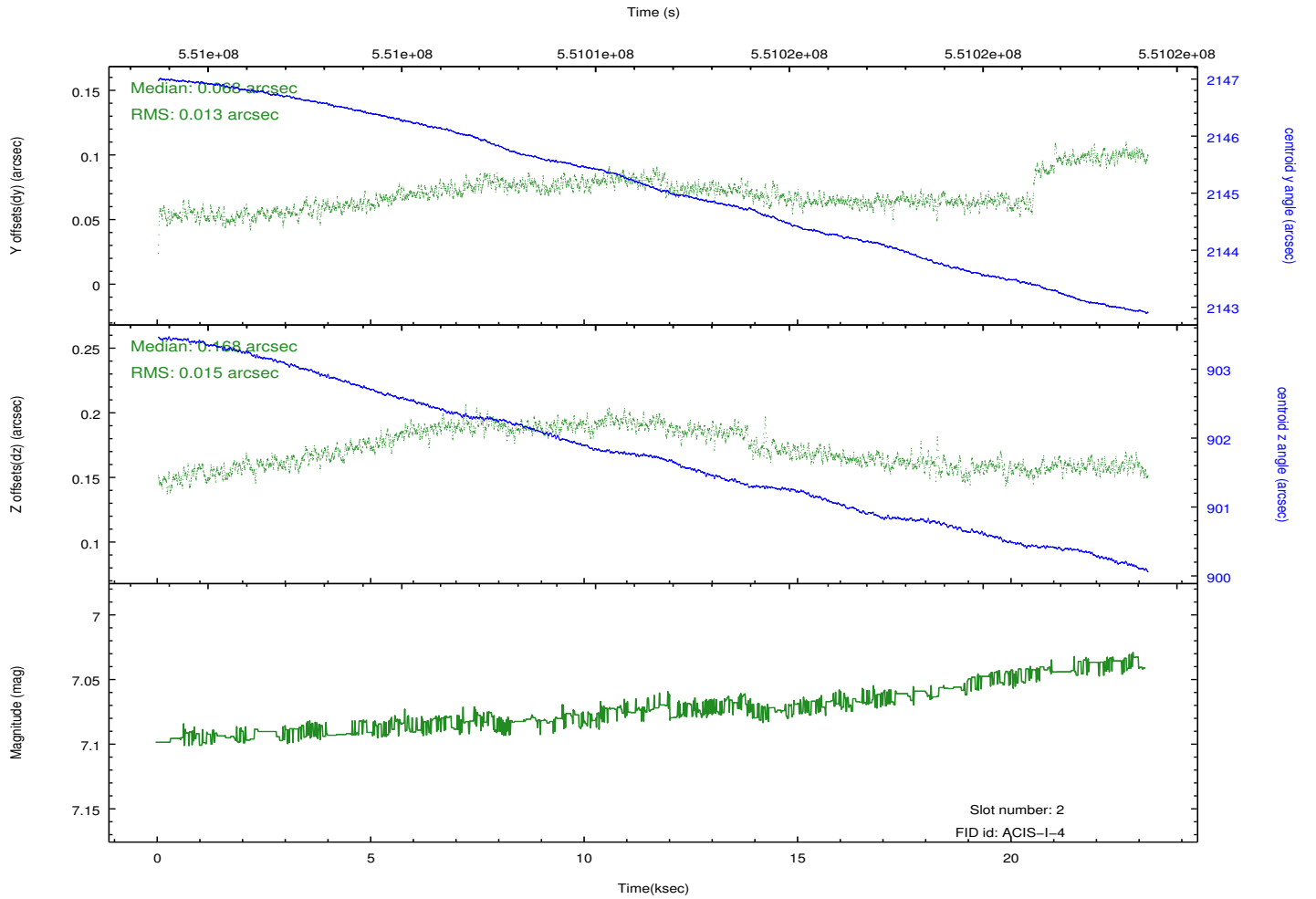
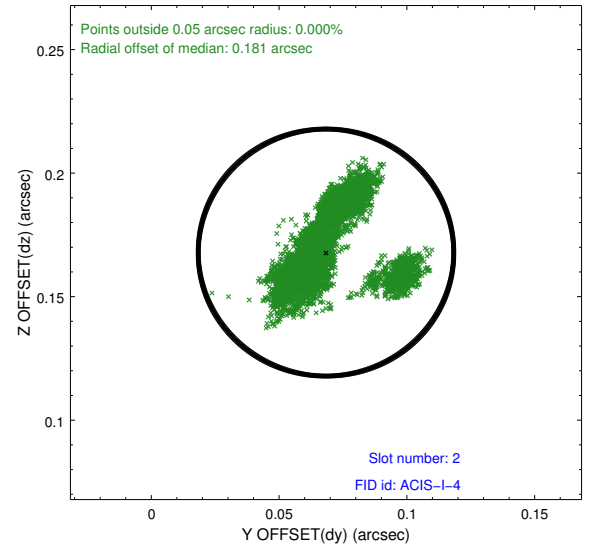
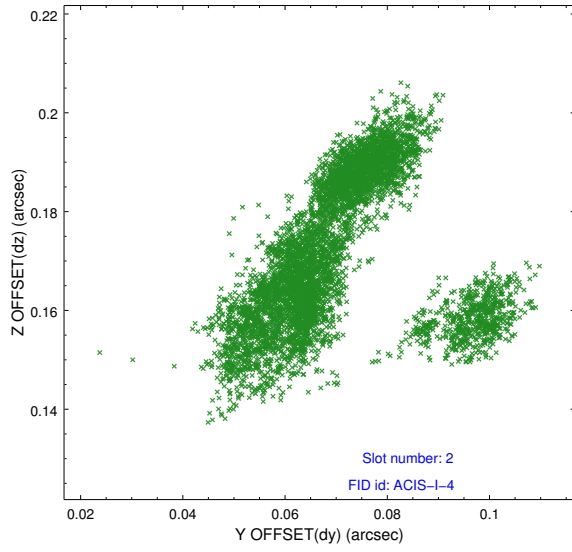
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.035977256298

A.2 Comments