

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17503 - L2 Version 1
Chandra X-Ray Center

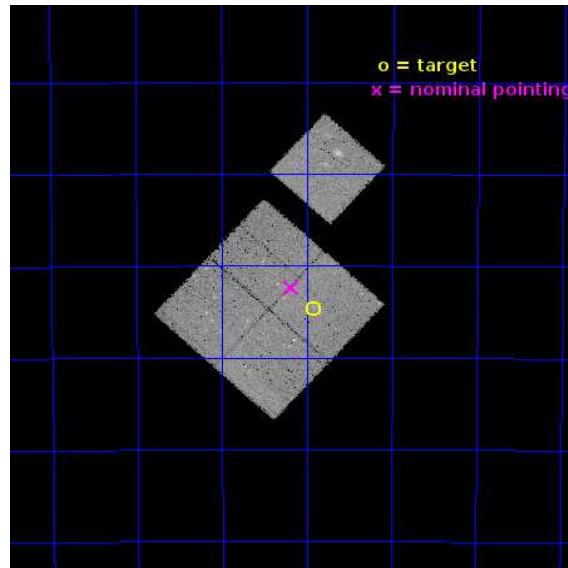
L2 Processing Date : Oct 5 2015

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1 Front

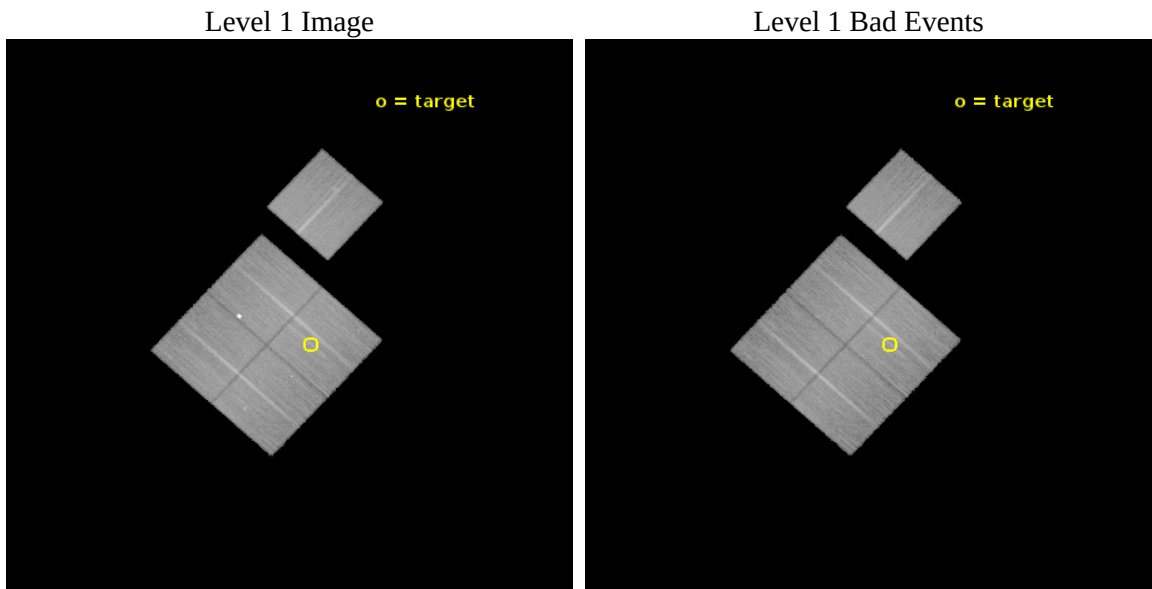
seq_num	801492	Sequence number
obs_id	17503	Observation id
title	A MASS-LIMITED SURVEY OF GALAXY CLUSTERS AT $1.2 < z < 1.7$: PROBING THE PHYSICS OF THE ICM DURING ITS ASSEMBLY	Proposal title
observer	Dr Michael McDonald	Principal investigator
object	SPT-CLJ0313-5334	Source name
dtcycle	0	
cycle	P	events 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	48.545911735879	Nominal RA [deg]
dec_nom	-53.539673748283	Nominal Dec [deg]
roll_nom	42.474445759035	Nominal Roll [deg]
revision	1	Processing version of data
ontime	45429.82664144	Sum of GTIs [s]
livetime	44836.252511418	Livetime [s]
ontime0	45435.985541821	Sum of GTIs [s]
ontime1	45436.026591778	Sum of GTIs [s]
ontime2	45436.067651749	Sum of GTIs [s]
ontime3	45429.82664144	Sum of GTIs [s]
ontime6	45435.944501758	Sum of GTIs [s]
l2events	118489	Number of level 2 events



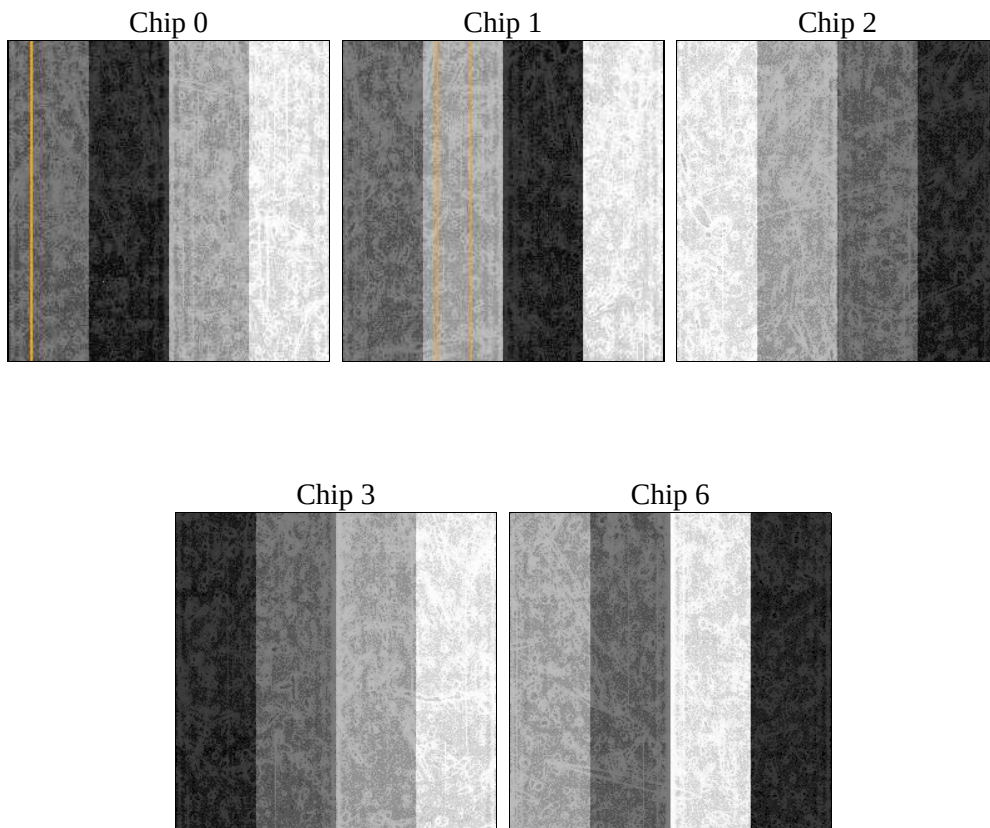
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45363.352000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	45429.82664144	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	45435.985541821	Sum of GTIs [s]
date	2015-10-05T21:37:24	Date and time of file creation	ontime1	45436.026591778	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	45436.067651749	Sum of GTIs [s]
			ontime3	45429.82664144	Sum of GTIs [s]
			ontime6	45435.944501758	Sum of GTIs [s]
			l1events	1207121	Number of level 1 events

2.1.4 Events

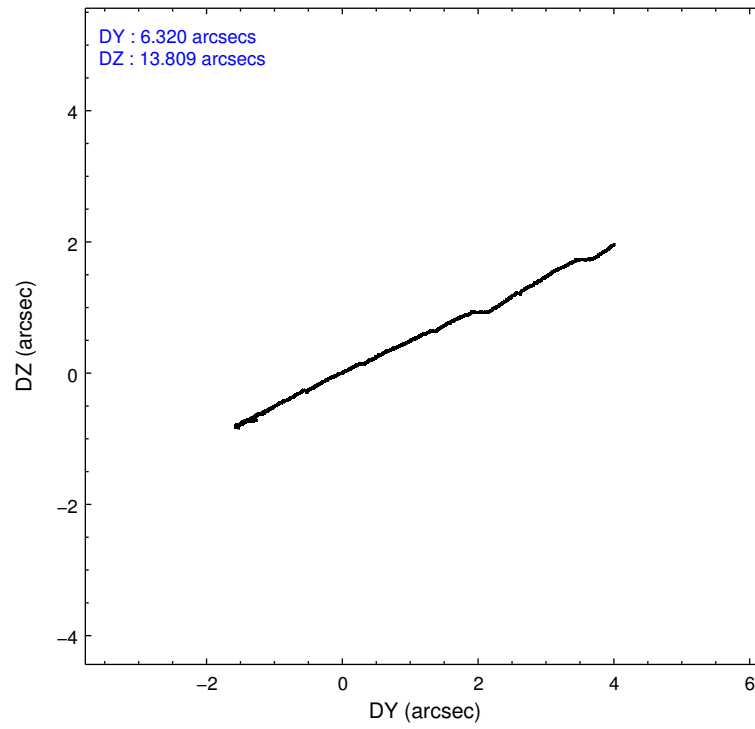
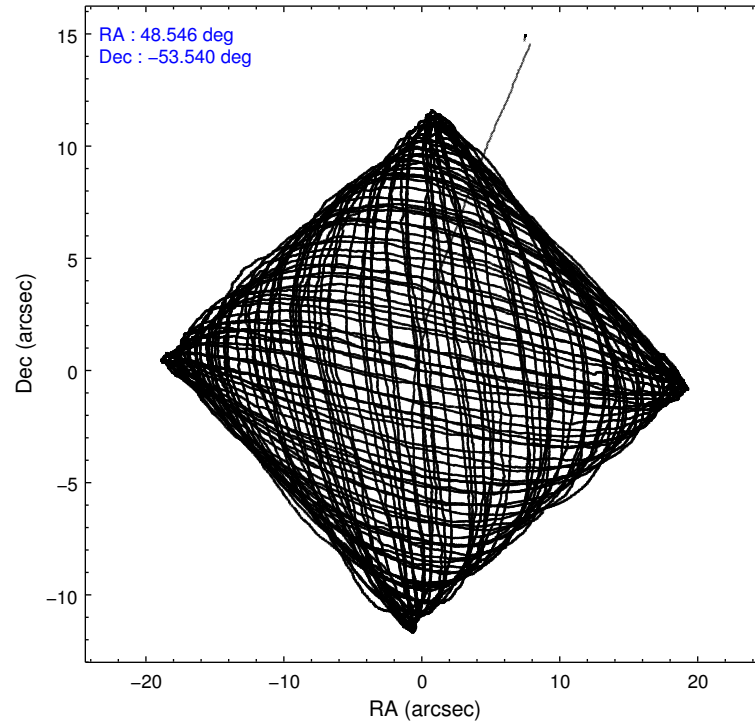
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	223673	229327	260381	245744	247996	grade 0 events	9553	10719	23348	9264	9947
rejected events	196069	198615	220126	219620	218825		4%	4%	8%	3%	4%
rejected %	87%	86%	84%	89%	88%	grade 1 events	127	101	218	131	119
							0%	0%	0%	0%	0%
						grade 2 events	6737	7315	6422	5743	6625
							3%	3%	2%	2%	2%
						grade 3 events	2877	2952	2640	2711	2806
							1%	1%	1%	1%	1%
						grade 4 events	2688	2900	2683	2767	2779
							1%	1%	1%	1%	1%
						grade 5 events	10521	11206	9915	12020	11379
							4%	4%	3%	4%	4%
						grade 6 events	5752	6831	5167	5646	7017
							2%	2%	1%	2%	2%
						grade 7 events	185418	187303	209988	207462	207324
							82%	81%	80%	84%	83%

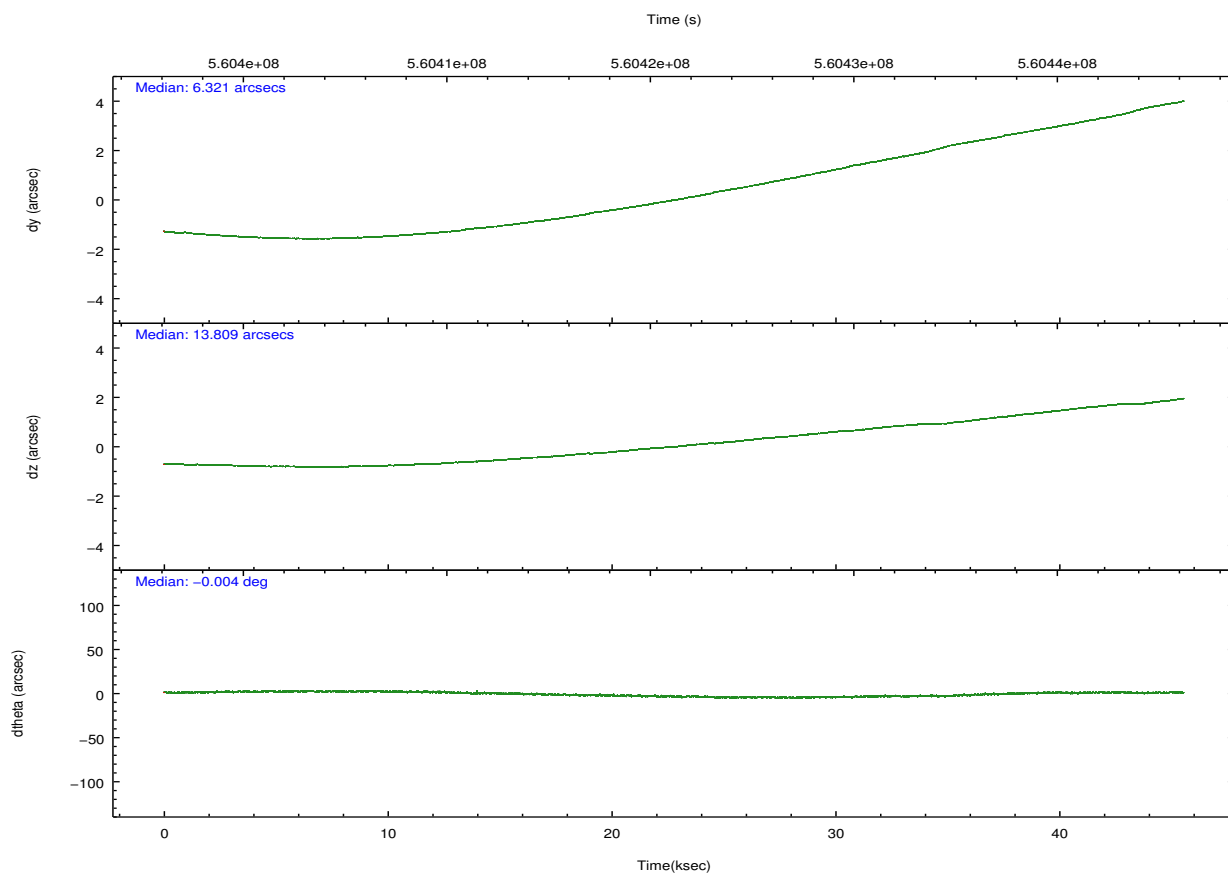
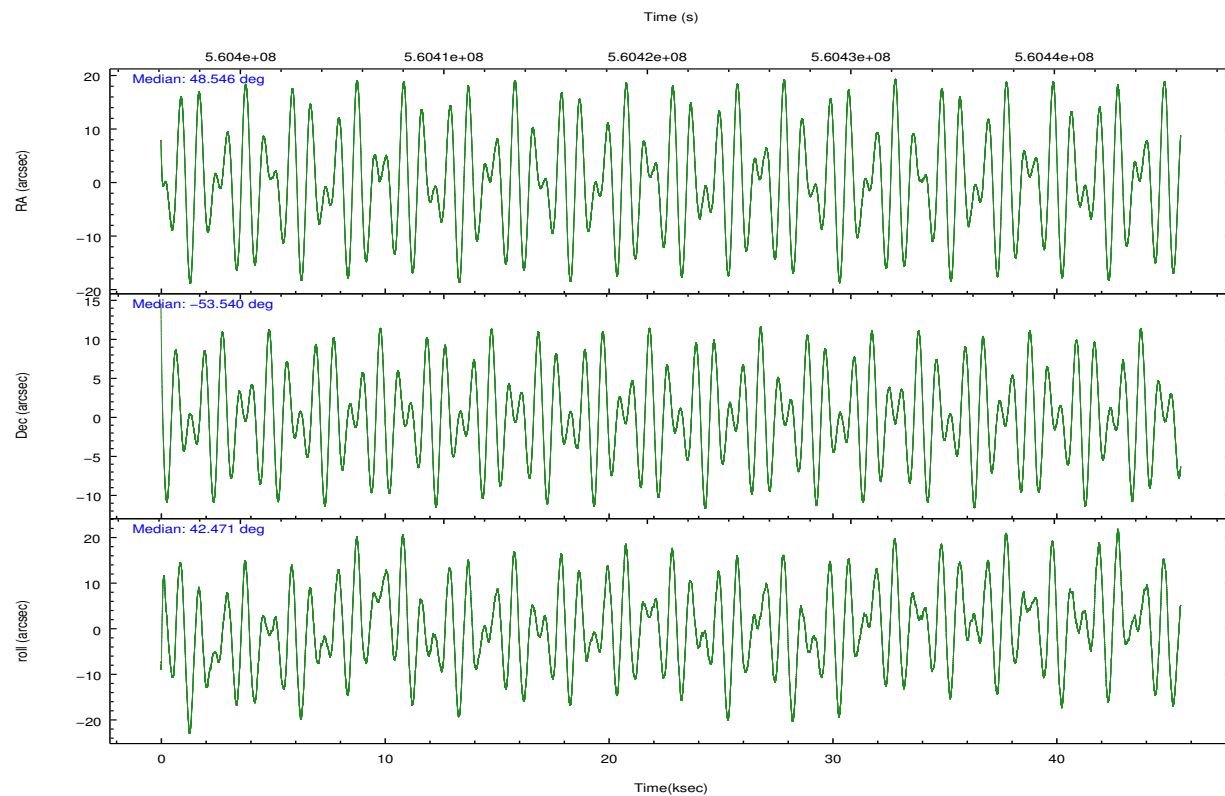
2.2 Compared Parameters

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	48.532084	48.54591173587912
[deg] Pointing Dec	-53.566021	-53.53967374828306
[deg] Pointing Roll	42.254643	42.4744457590355
[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)	560398569.184000	560397581.38463
Observation start date	2015-10-05T02:15:01	2015-10-05T01:59:41
[s] Observation end time (MET)	560443932.184000	560444158.4122601
Observation end date	2015-10-05T14:51:04	2015-10-05T14:55:58
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



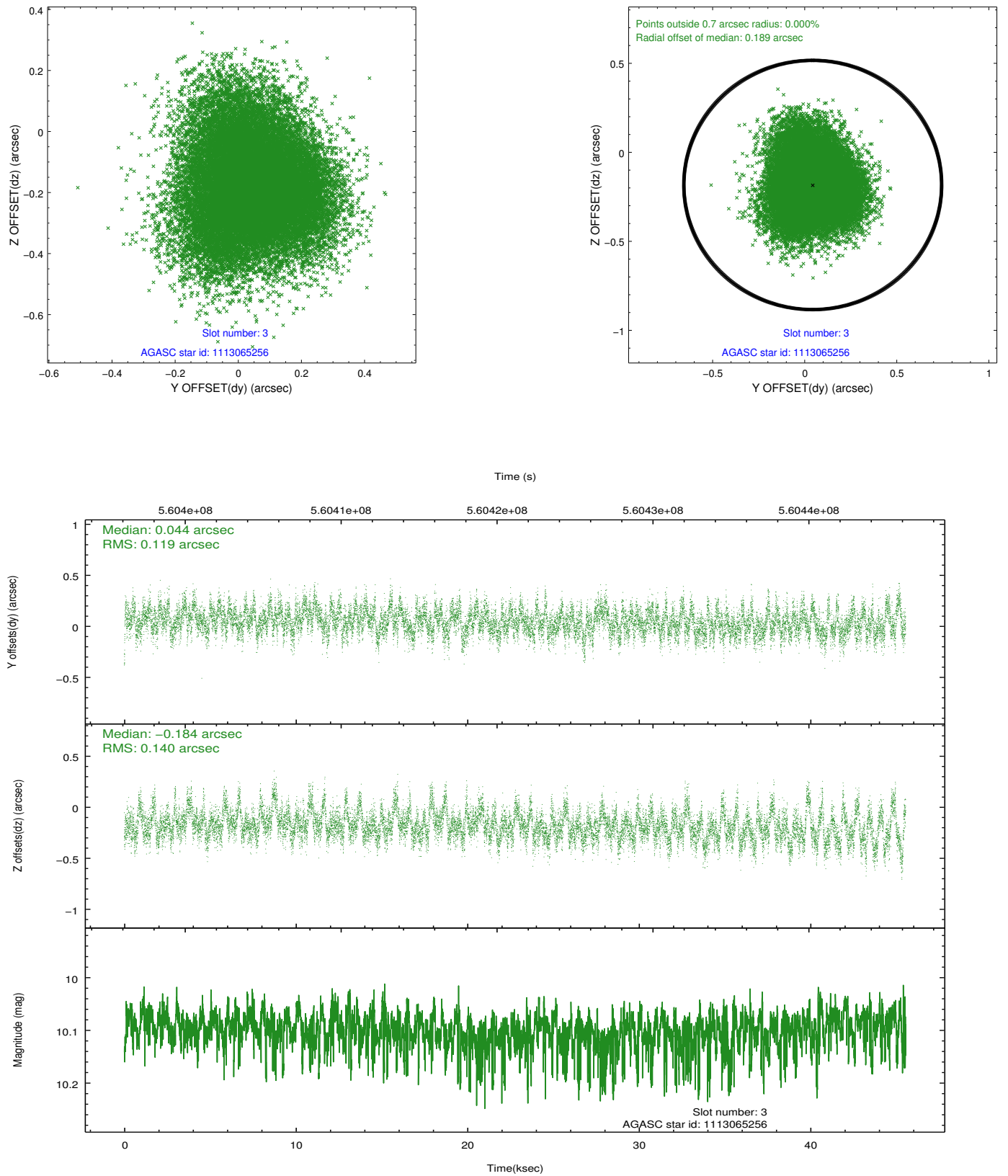


Slot Statistics

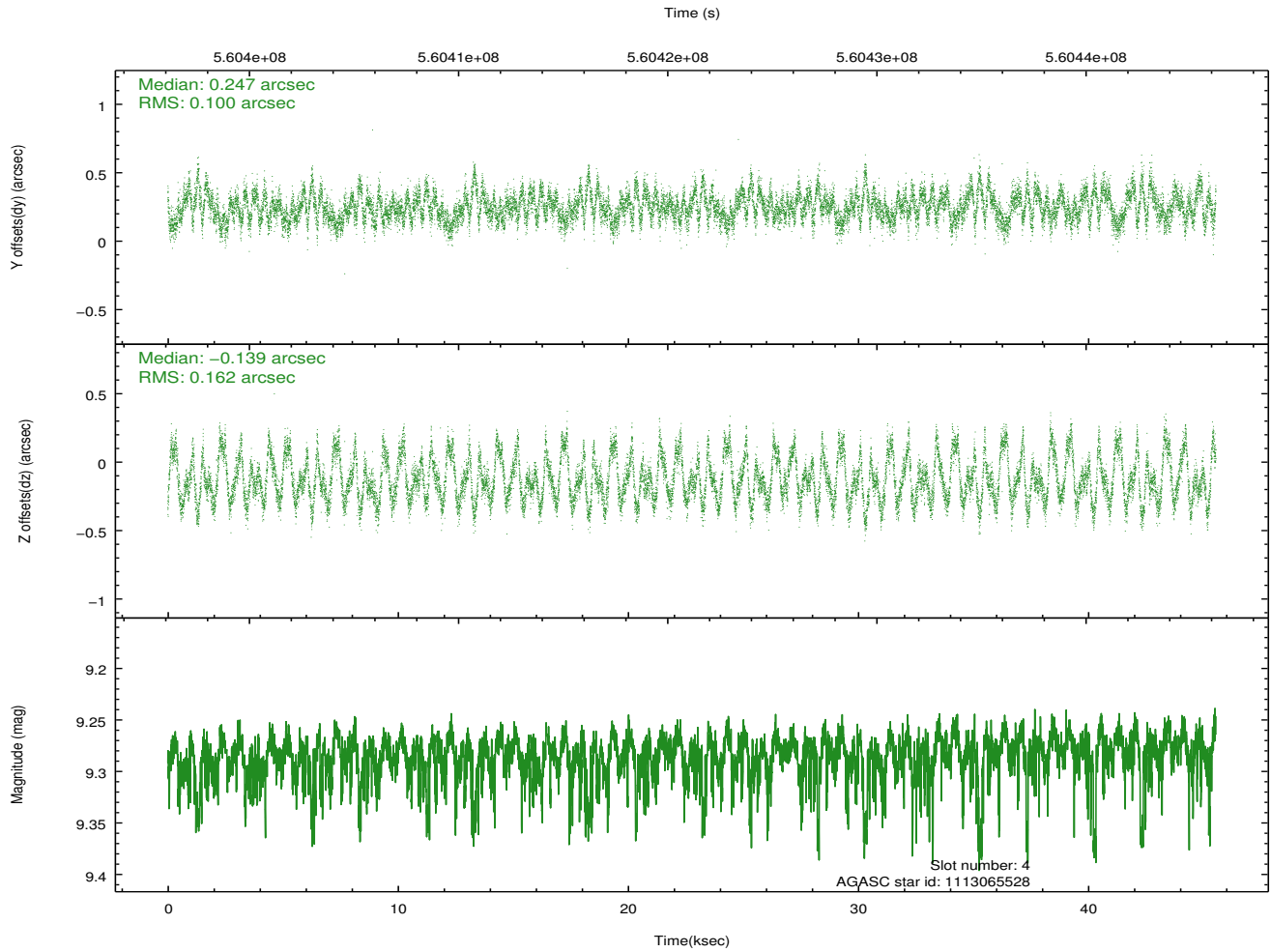
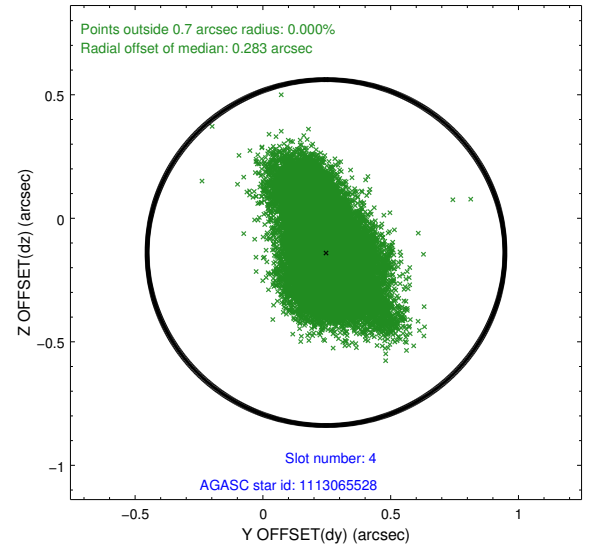
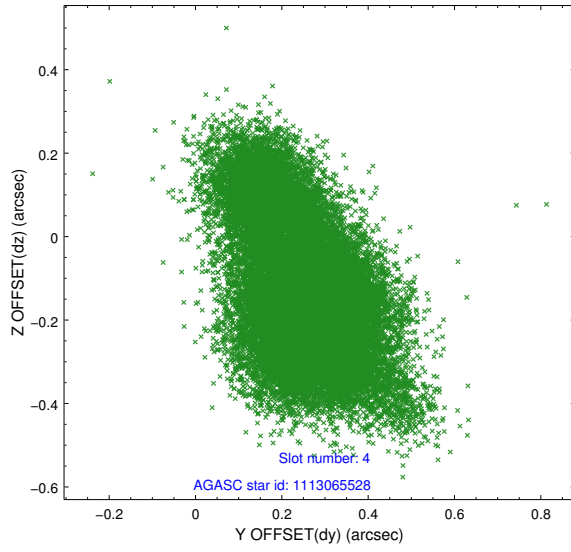
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	11109	0.157	-0.155	0.022	0.035	0.000000	0.000000	932.99	-996.73
1	FID		ACIS-I-5	7.23	11111	-0.354	0.104	0.018	0.027	0.000000	0.000000	-1815.70	900.91
2	FID		ACIS-I-6	7.26	11111	0.104	0.115	0.023	0.048	0.000000	0.000000	398.39	1545.52
3	GUIDE	used	1113065256	10.10	22163	0.044	-0.184	0.196	0.319	48.726928	-52.987429	1712.93	1257.46
4	GUIDE	used	1113065528	9.28	22201	0.247	-0.139	0.202	0.336	47.504672	-53.789515	-2168.41	862.04
5	GUIDE	used	1113066048	9.51	22200	-0.312	-0.148	0.226	0.356	48.443285	-53.325384	441.53	769.43
6	GUIDE	used	1113197496	10.15	22117	-0.201	0.192	0.302	0.508	49.578432	-53.876647	881.70	-2332.86
7	GUIDE	used	1113203144	9.92	22189	0.223	0.248	0.213	0.352	49.210650	-54.091254	-215.06	-2367.67

2.4 Star Slots

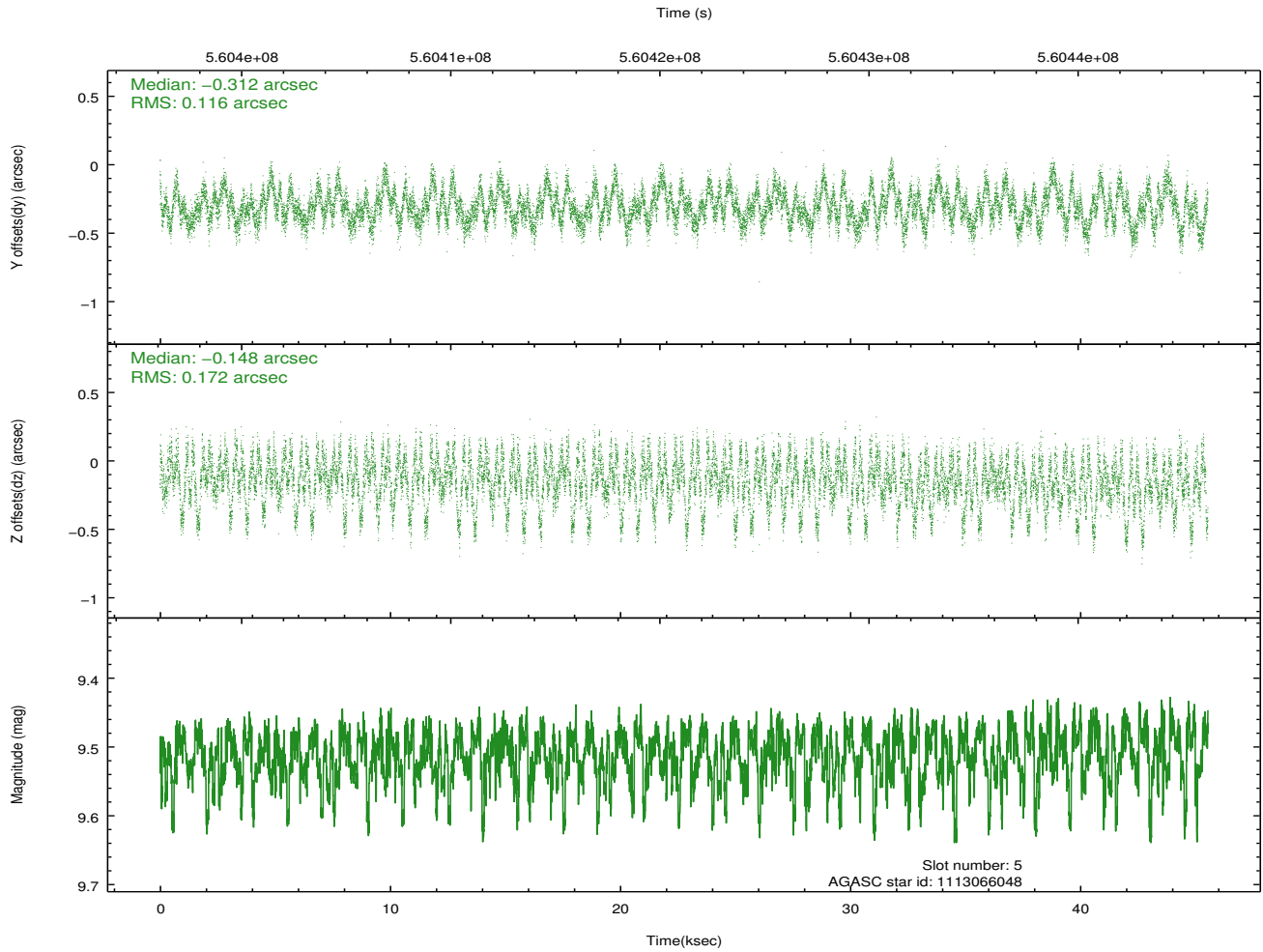
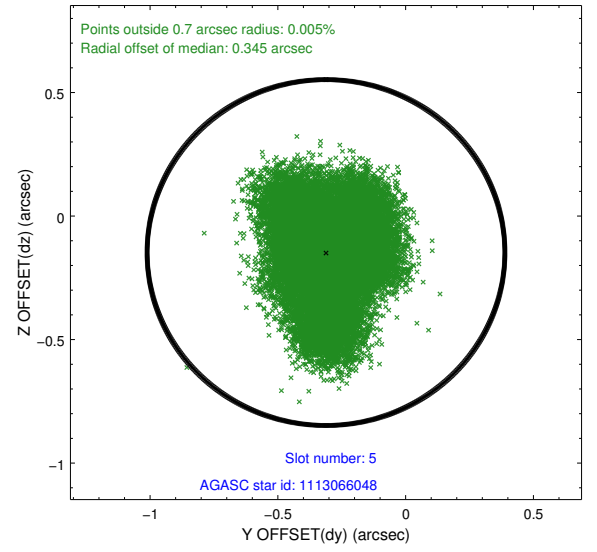
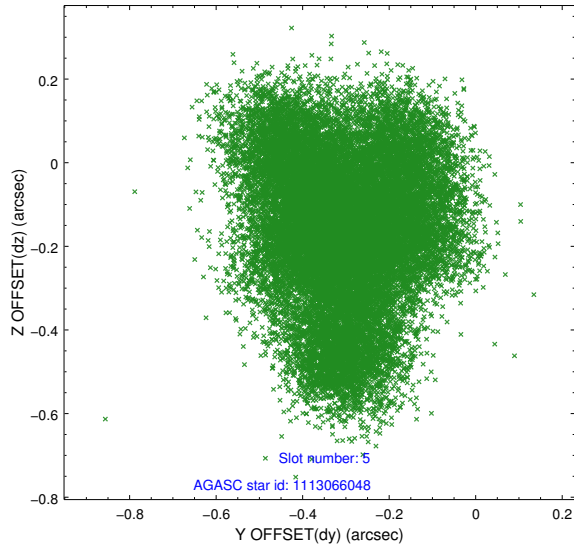
2.4.1 Slot 3



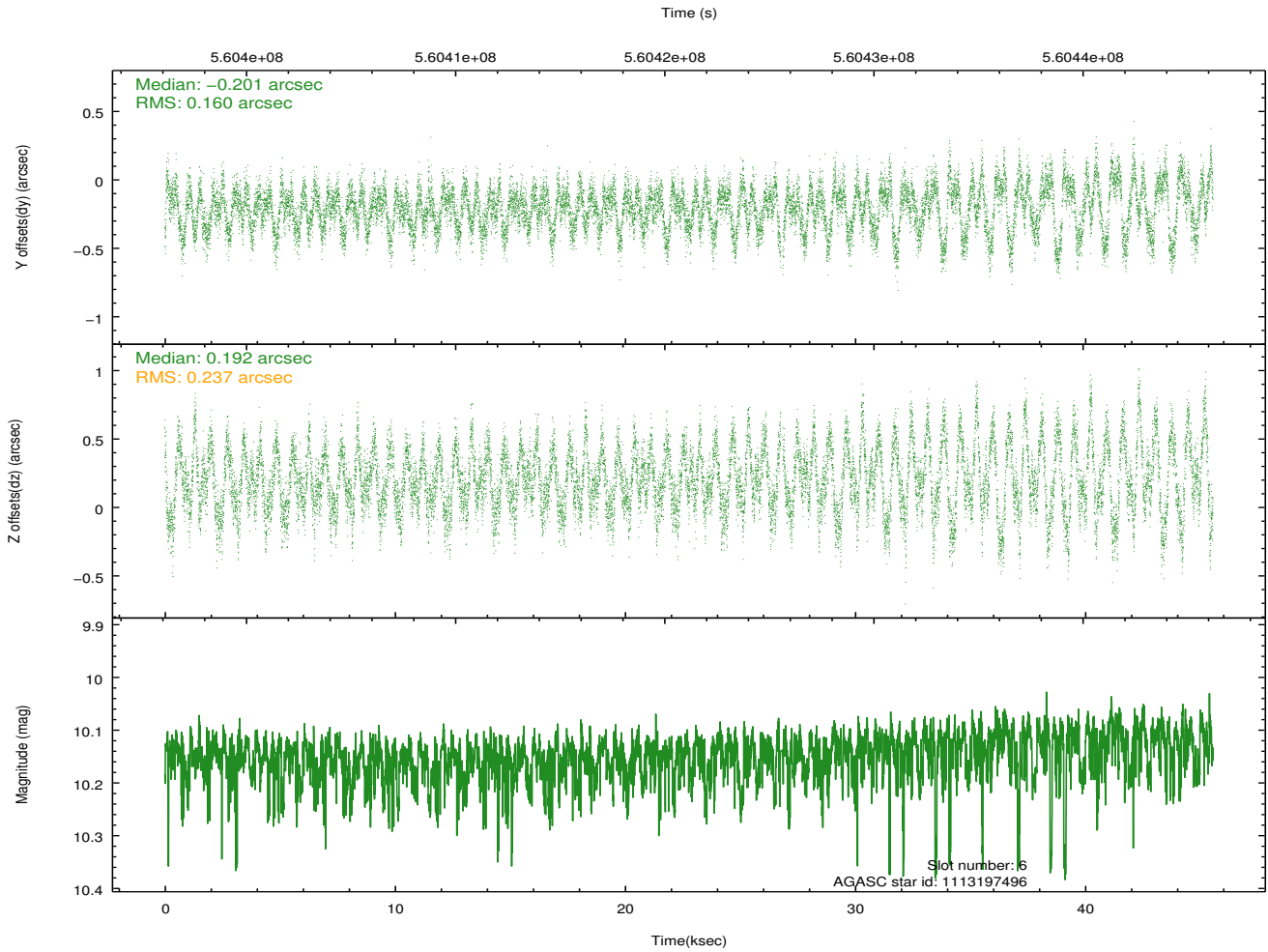
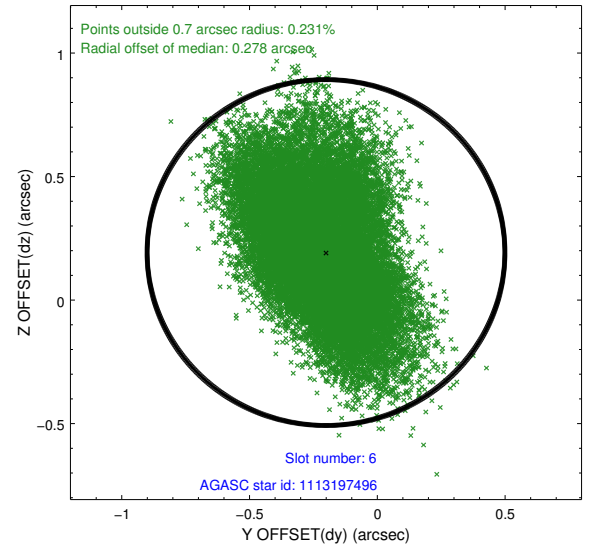
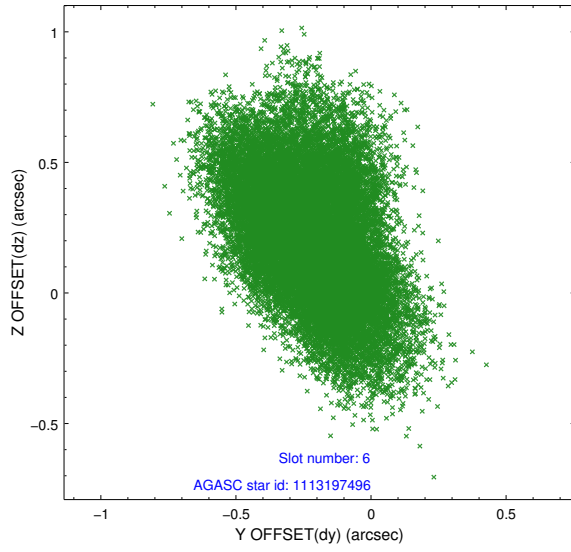
2.4.2 Slot 4



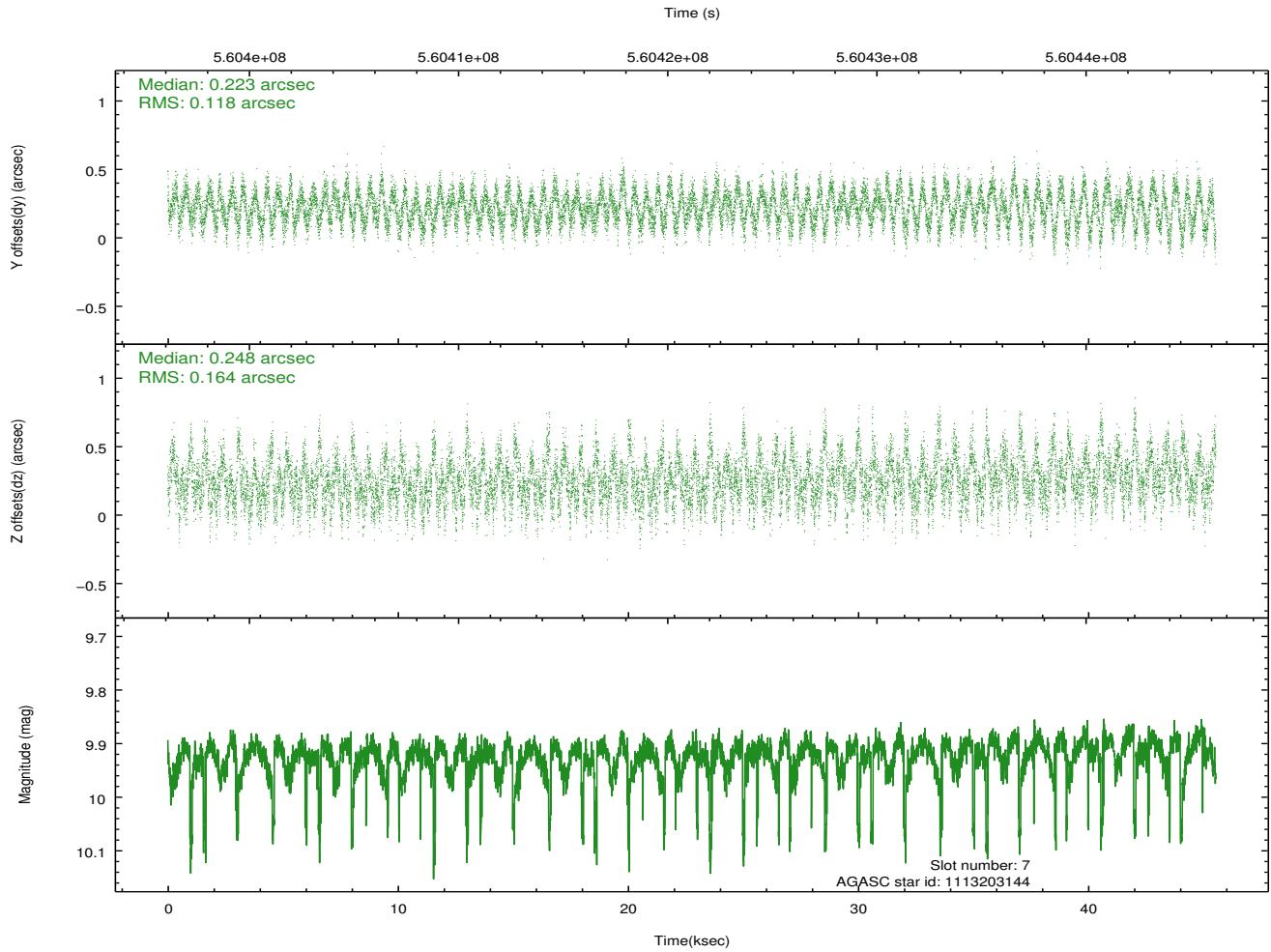
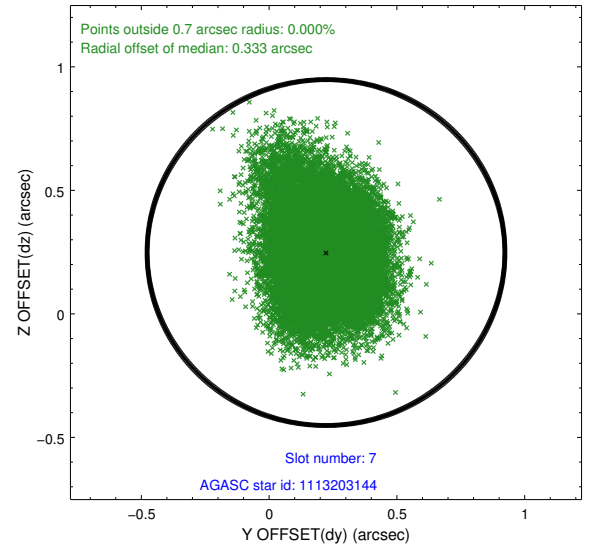
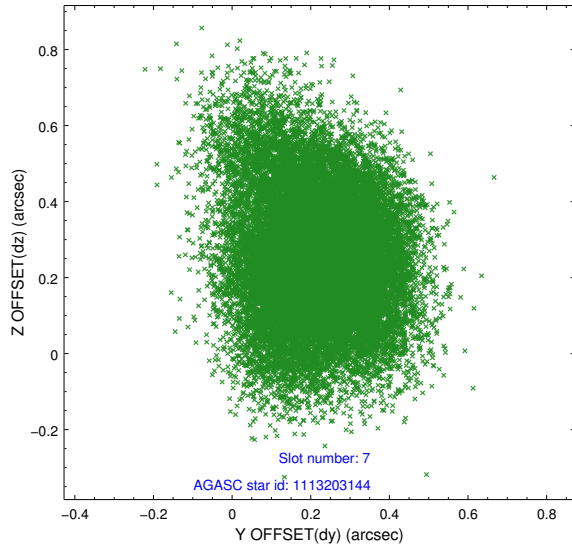
2.4.3 Slot 5



2.4.4 Slot 6

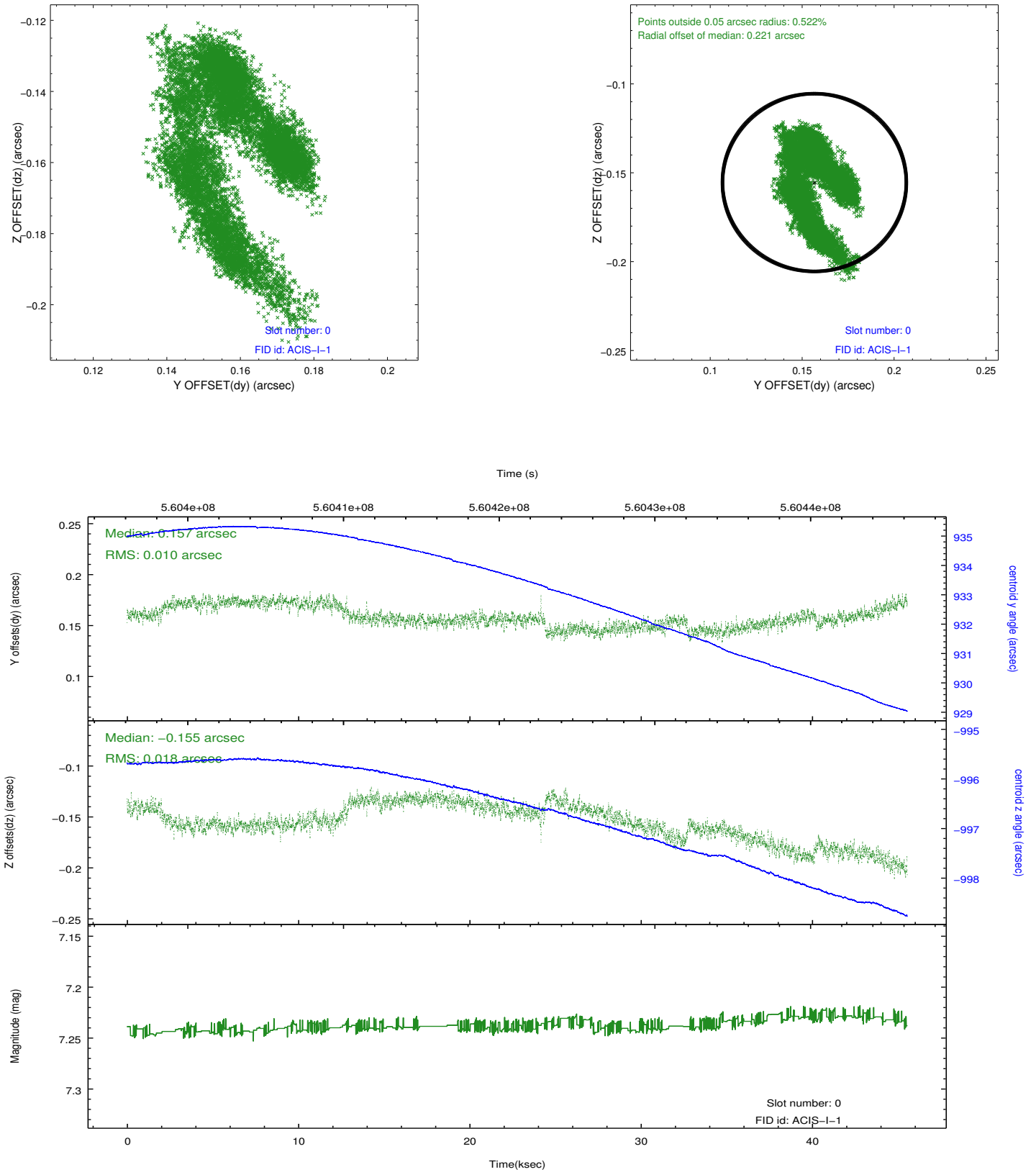


2.4.5 Slot 7

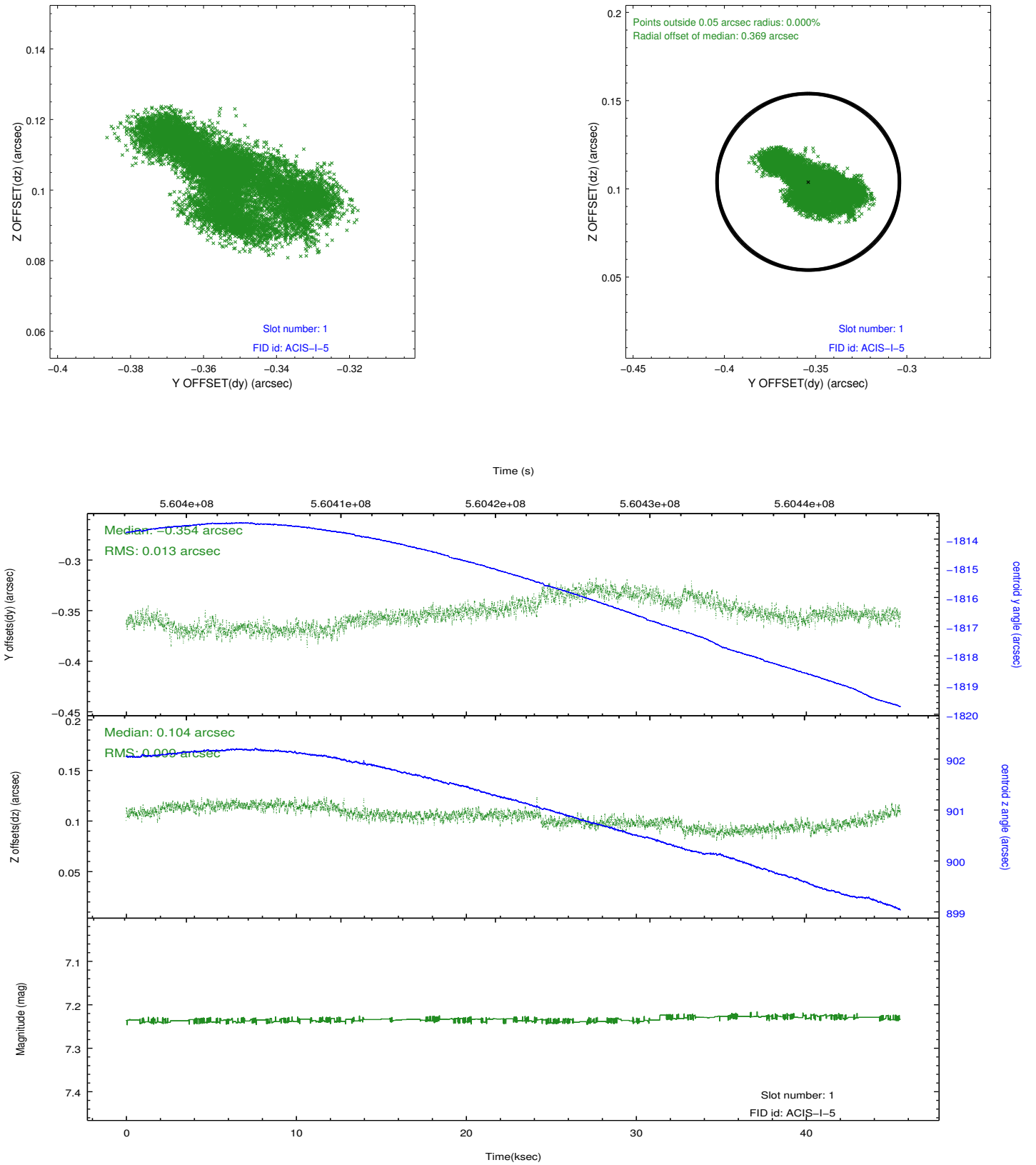


2.5 FID Slots

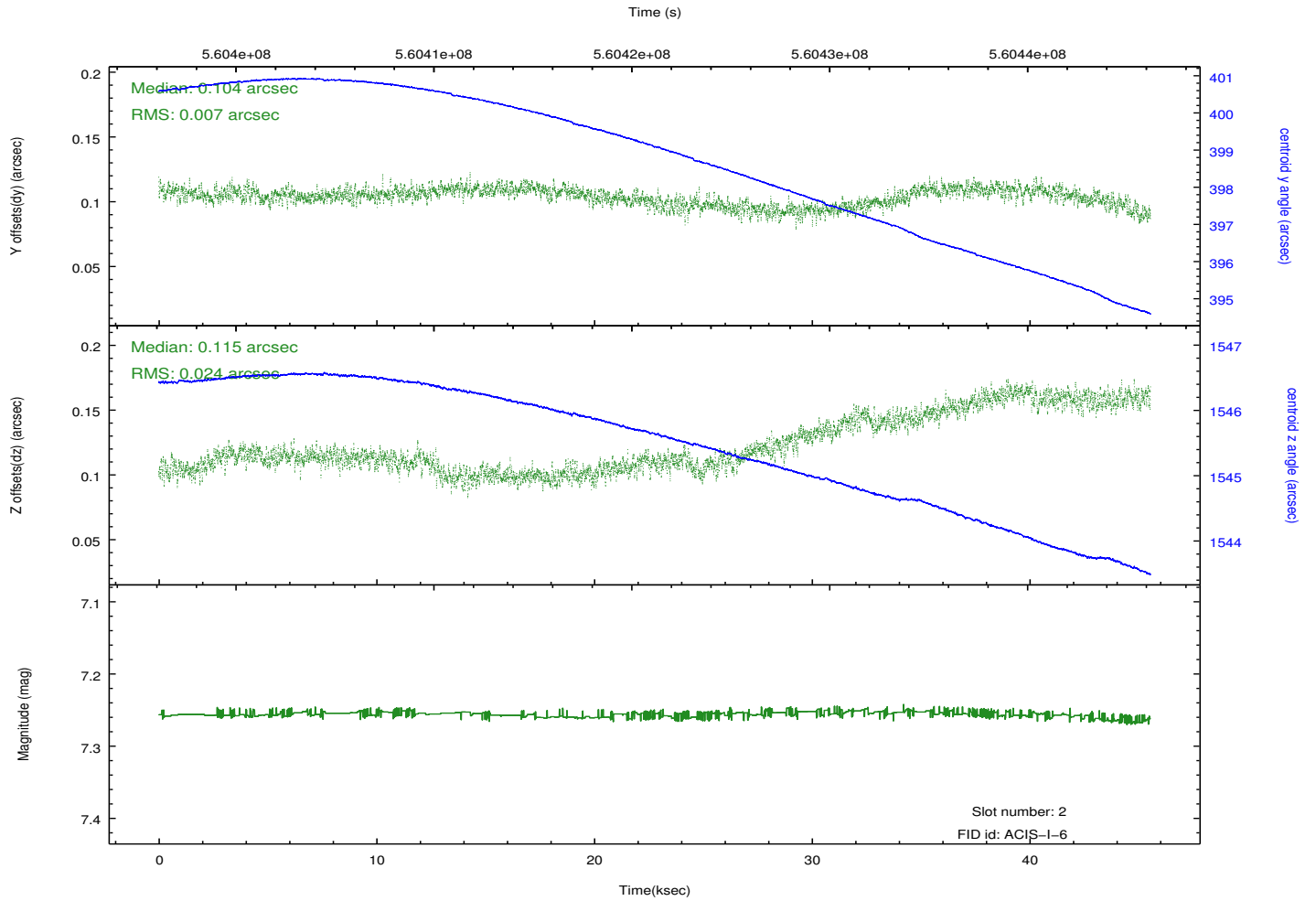
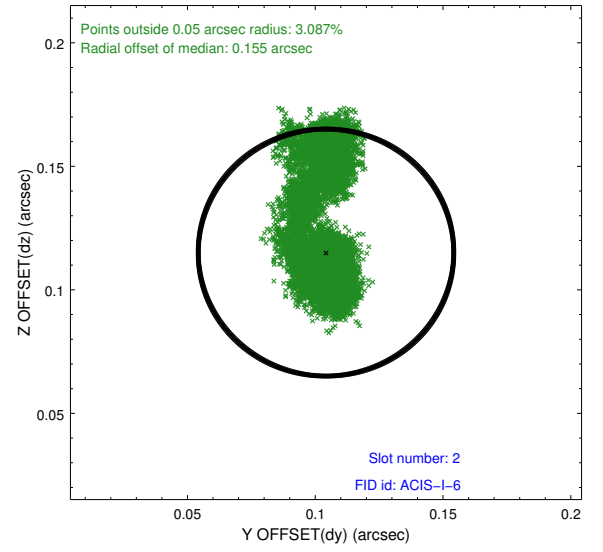
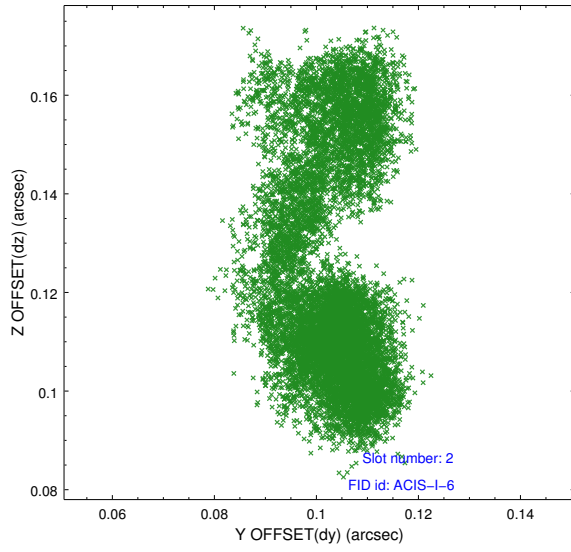
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.42982664144

A.2 Comments