

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12515 - L2 Version 3
Chandra X-Ray Center

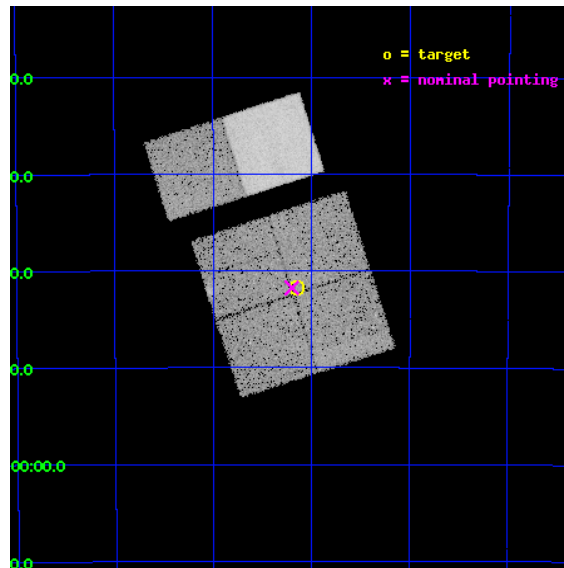
L2 Processing Date : Feb 12 2012

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1 Front

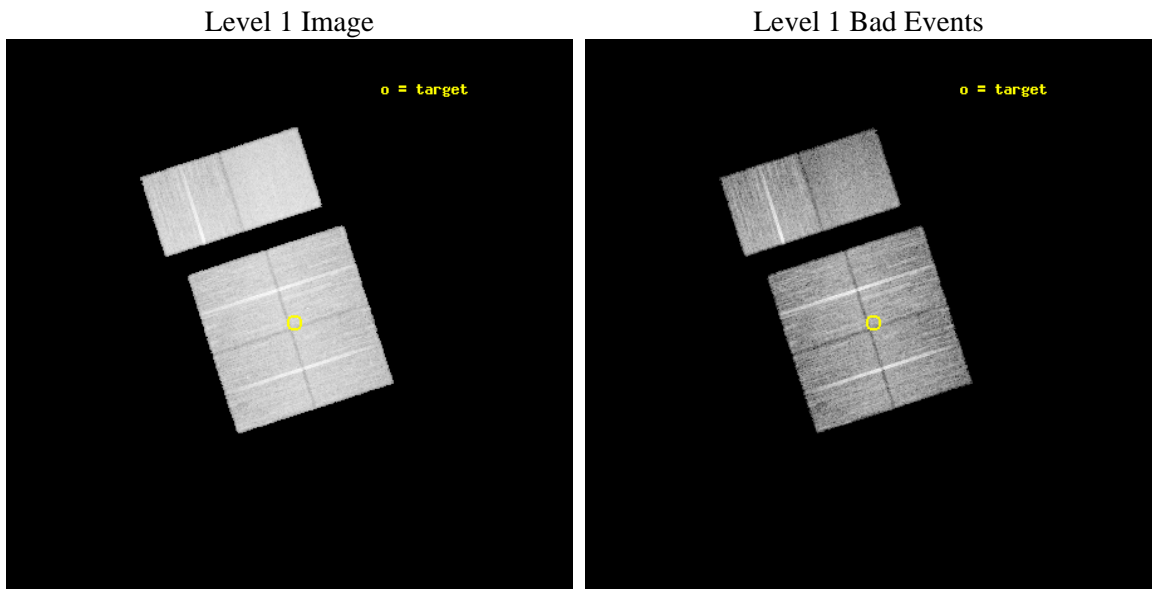
seq_num	401256	Sequence number
obs_id	12515	Observation id
title	Census of the Normal Spiral Arm Region	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	Norma Region	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.538334	Observer's specified target RA [deg]
dec_targ	-46.695901	Observer's specified target Dec [deg]
ra_nom	249.55011010929	Nominal RA [deg]
dec_nom	-46.695977547454	Nominal Dec [deg]
roll_nom	342.21726455176	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19756.761598706	Sum of GTIs [s]
livetime	19506.58958725	Livetime [s]
ontime0	19756.638478816	Sum of GTIs [s]
ontime1	19756.6795187	Sum of GTIs [s]
ontime2	19756.720558822	Sum of GTIs [s]
ontime3	19756.761598706	Sum of GTIs [s]
ontime6	19756.79992646	Sum of GTIs [s]
ontime7	19756.79992646	Sum of GTIs [s]
l2events	136960	Number of level 2 events



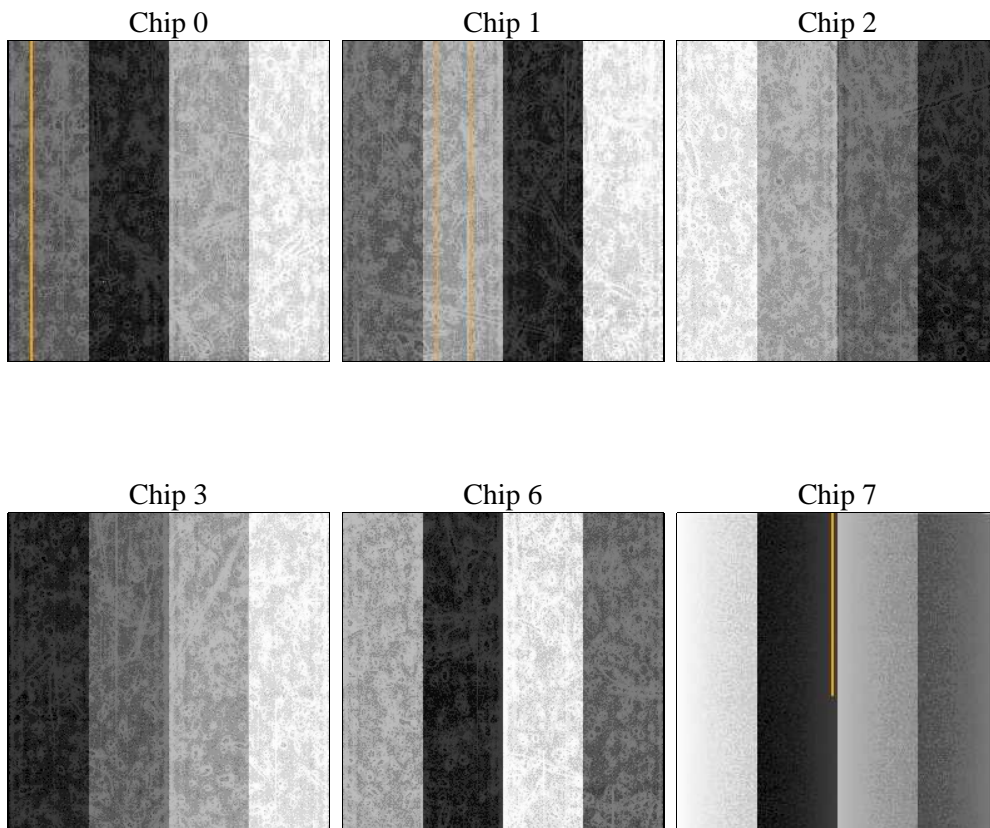
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	19756.761598706	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	19756.638478816	Sum of GTIs [s]
date	2012-02-12T11:09:26	Date and time of file creation	ontime1	19756.6795187	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19756.720558822	Sum of GTIs [s]
			ontime3	19756.761598706	Sum of GTIs [s]
			ontime6	19756.79992646	Sum of GTIs [s]
			ontime7	19756.79992646	Sum of GTIs [s]
			l1events	737517	Number of level 1 events

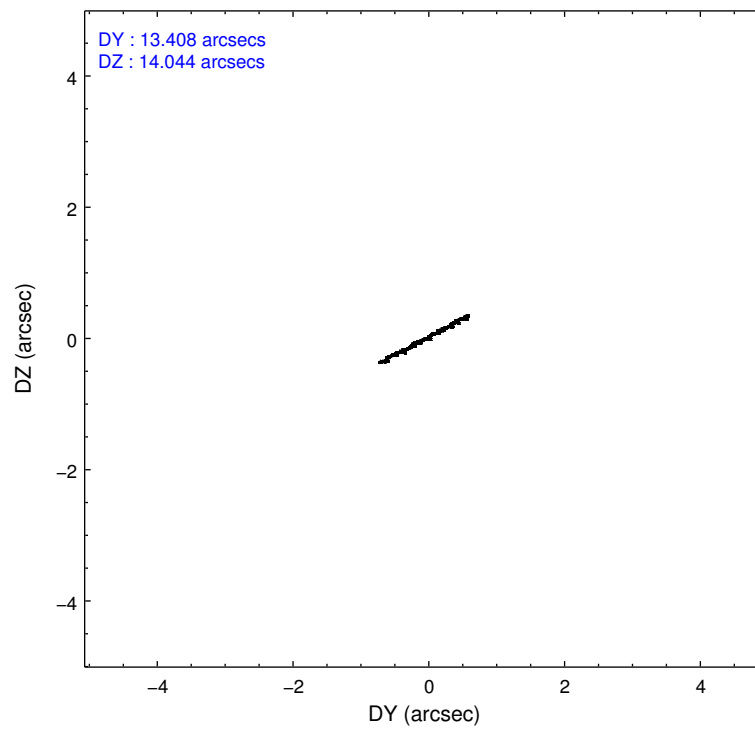
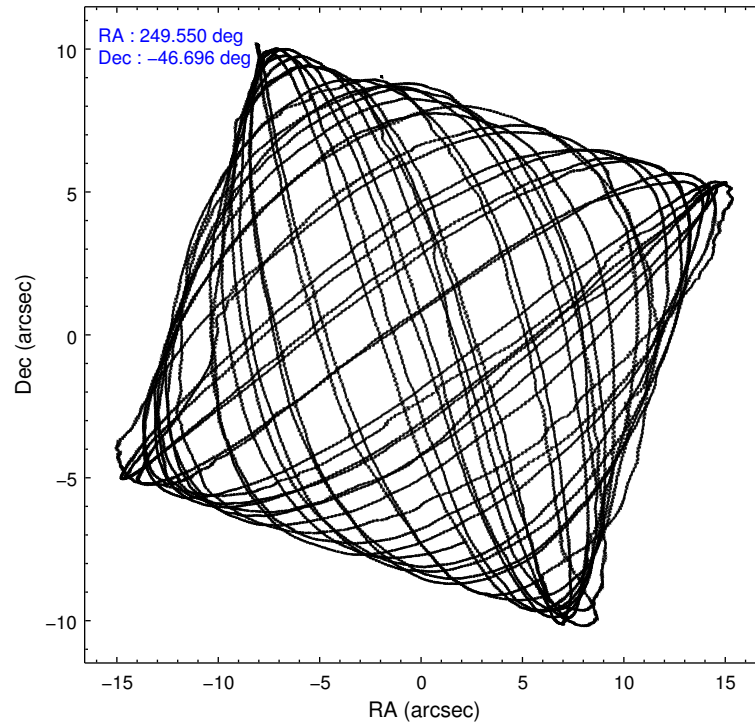
2.1.4 Events

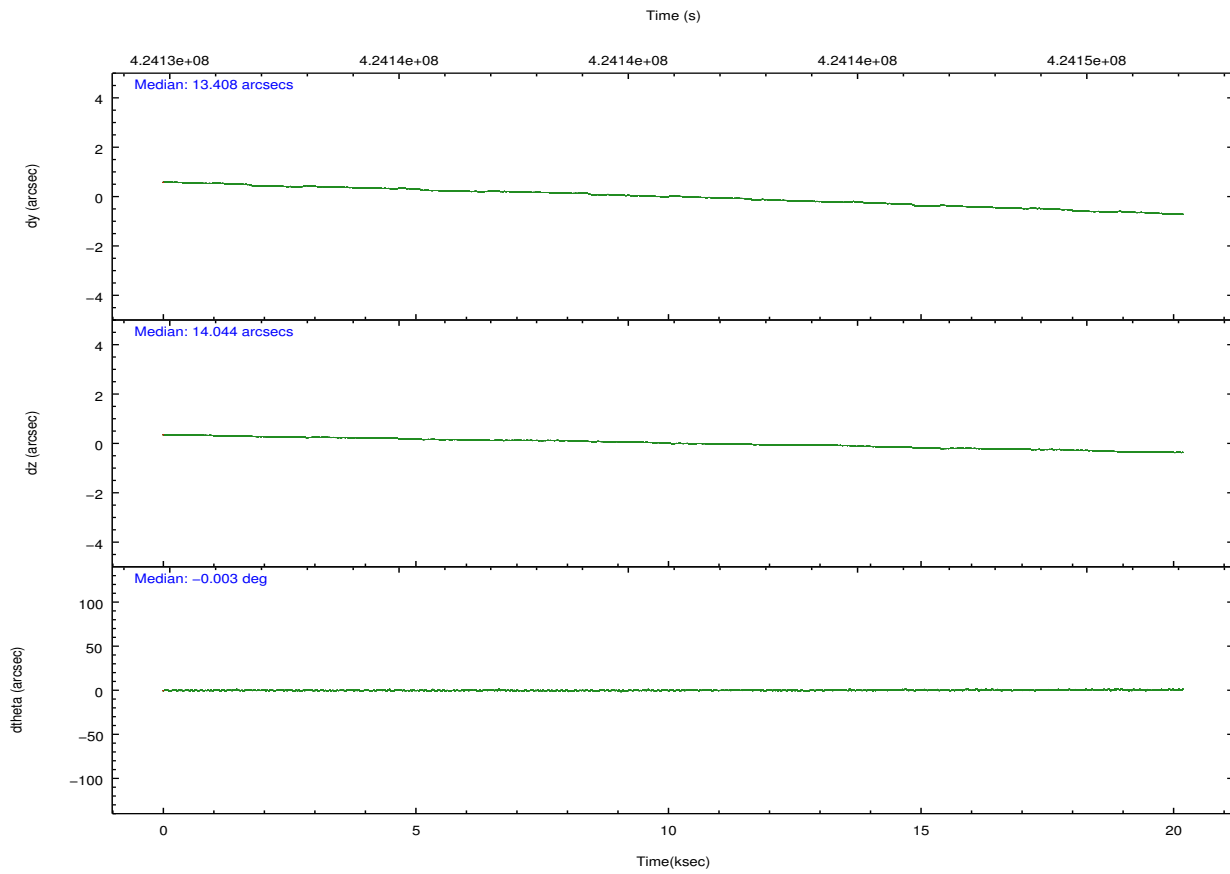
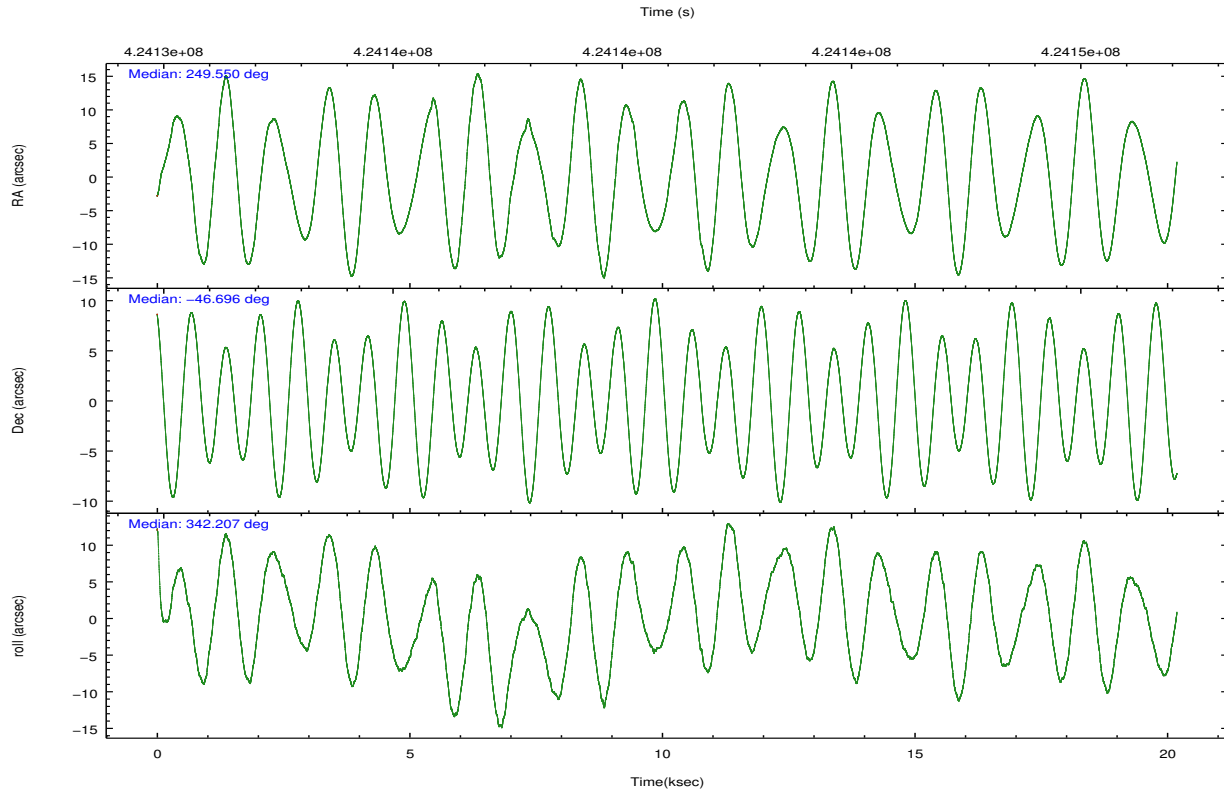
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	108236	107725	121133	117779	126966	155678	grade 0 events	6000	6587	6510	5963	6090	6818
rejected events	92937	91314	105363	103005	110921	84233		5%	6%	5%	5%	4%	4%
rejected %	85%	84%	86%	87%	87%	54%	grade 1 events	66	67	80	73	57	195
								0%	0%	0%	0%	0%	0%
							grade 2 events	3365	3502	3460	3083	3483	14792
								3%	3%	2%	2%	2%	9%
							grade 3 events	1599	1466	1531	1482	1578	6179
								1%	1%	1%	1%	1%	3%
							grade 4 events	1451	1519	1498	1409	1474	6224
								1%	1%	1%	1%	1%	3%
							grade 5 events	5128	5426	4714	5696	5842	15649
								4%	5%	3%	4%	4%	10%
							grade 6 events	2885	3345	2773	2840	3423	37439
								2%	3%	2%	2%	2%	24%
							grade 7 events	87742	85813	100567	97233	105019	68382
								81%	79%	83%	82%	82%	43%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	249.510963	249.5501101092881	CCD I2 on	Y	Y
[deg] Pointing Dec	-46.701896	-46.69597754745356	CCD I3 on	Y	Y
[deg] Pointing Roll	341.980080	342.2172645517638	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	424131064.184000	424130688.19317	CCD S5 on	N	N
Observation start date	2011-06-10T22:09:58	2011-06-10T22:04:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	424151064.184000	424151198.44424	On-chip summing requested	N	N
Observation end date	2011-06-11T03:43:18	2011-06-11T03:46:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



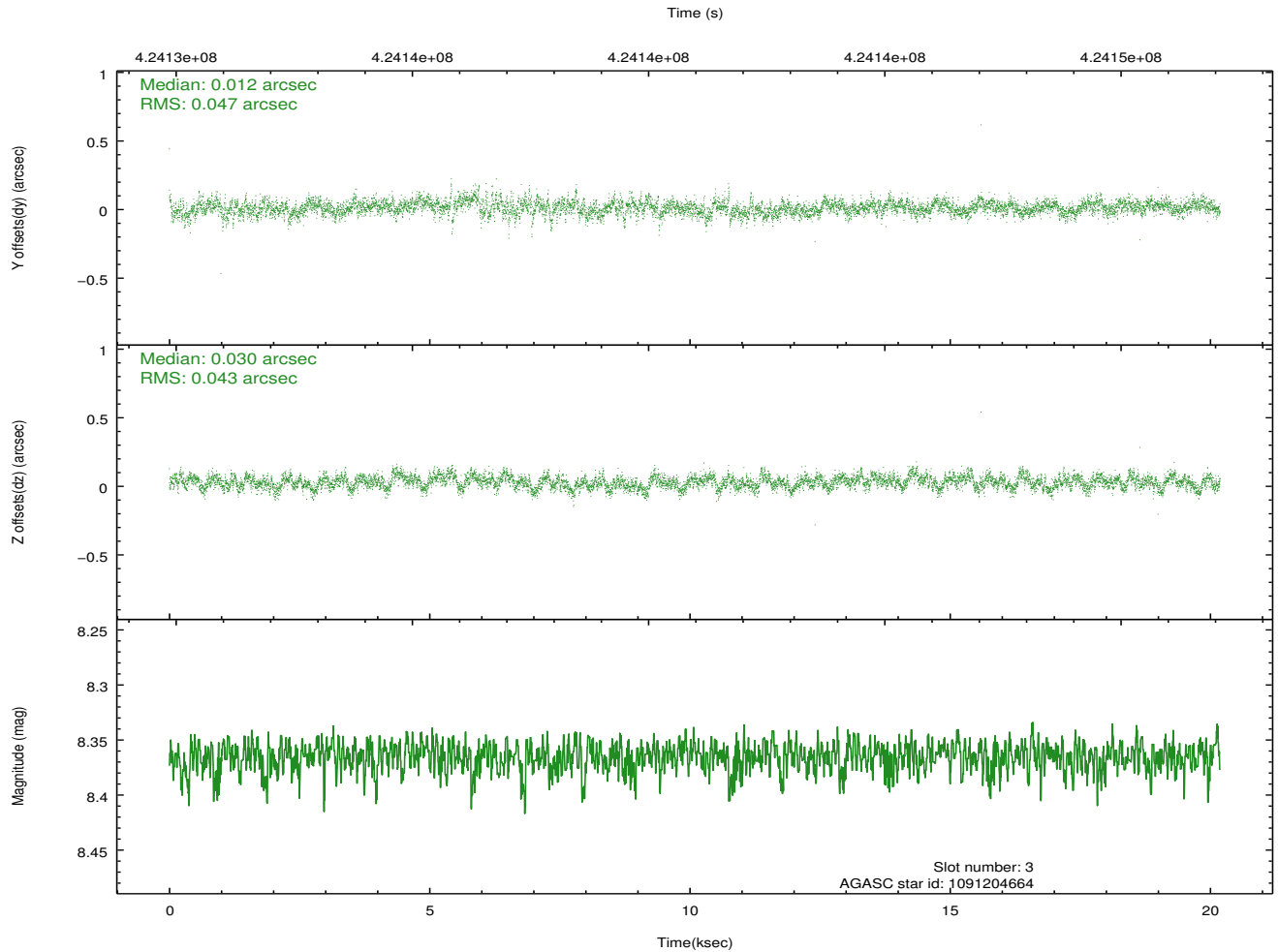
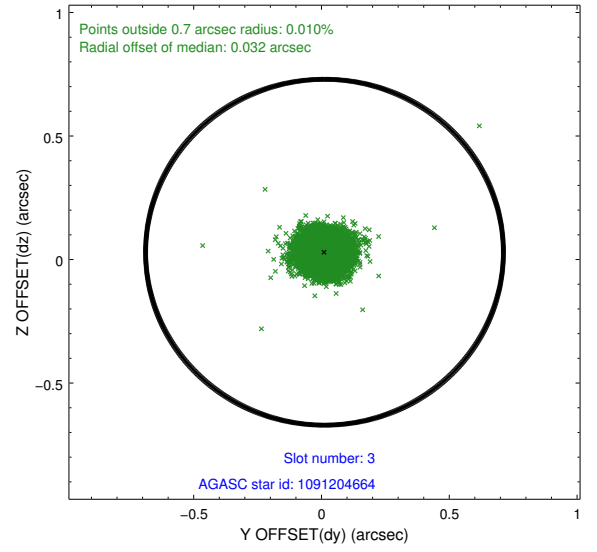
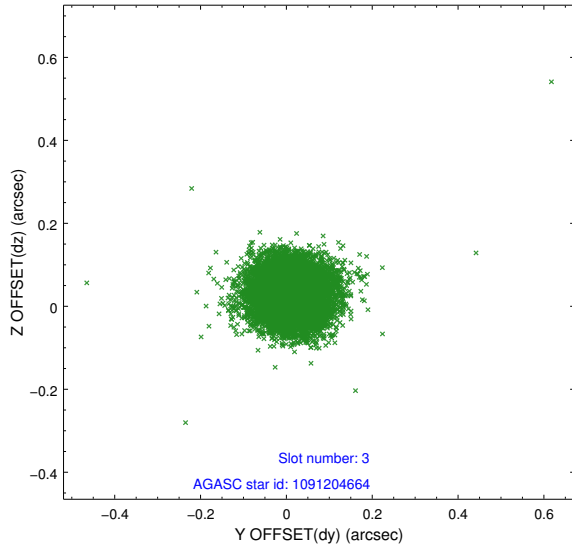


Slot Statistics

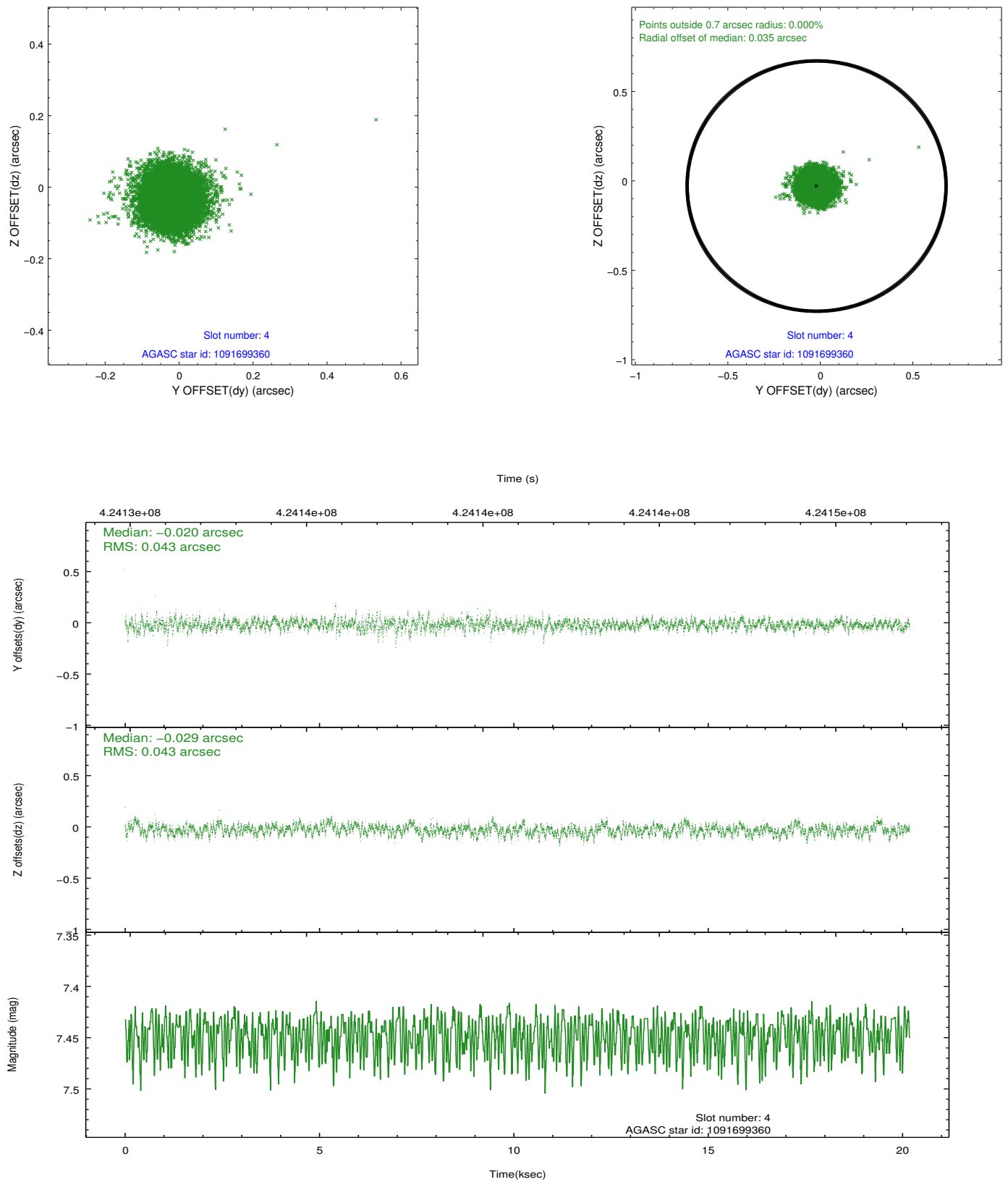
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.14	4925	0.037	0.015	0.008	0.014	0.000000	0.000000	926.18	-837.59
1	FID	ACIS-I-5	7.13	4925	-0.212	0.048	0.010	0.018	0.000000	0.000000	-1822.11	1059.79
2	FID	ACIS-I-6	7.13	4925	0.083	0.007	0.011	0.020	0.000000	0.000000	391.52	1704.50
3	GUIDE	1091204664	8.37	9846	0.012	0.030	0.066	0.109	248.658352	-46.526357	-2199.80	-63.17
4	GUIDE	1091699360	7.45	9848	-0.020	-0.029	0.064	0.104	248.660725	-47.004364	-1644.24	-1691.90
5	GUIDE	1091704824	9.12	9846	0.199	0.079	0.154	0.236	249.173141	-47.336759	-75.44	-2429.79
6	GUIDE	1091709408	9.21	9795	-0.065	-0.047	0.108	0.176	249.304466	-47.312562	201.63	-2247.00
7	GUIDE	1091709800	9.16	9841	-0.115	-0.033	0.124	0.204	249.801955	-47.310212	1354.53	-1865.00

2.4 Star Slots

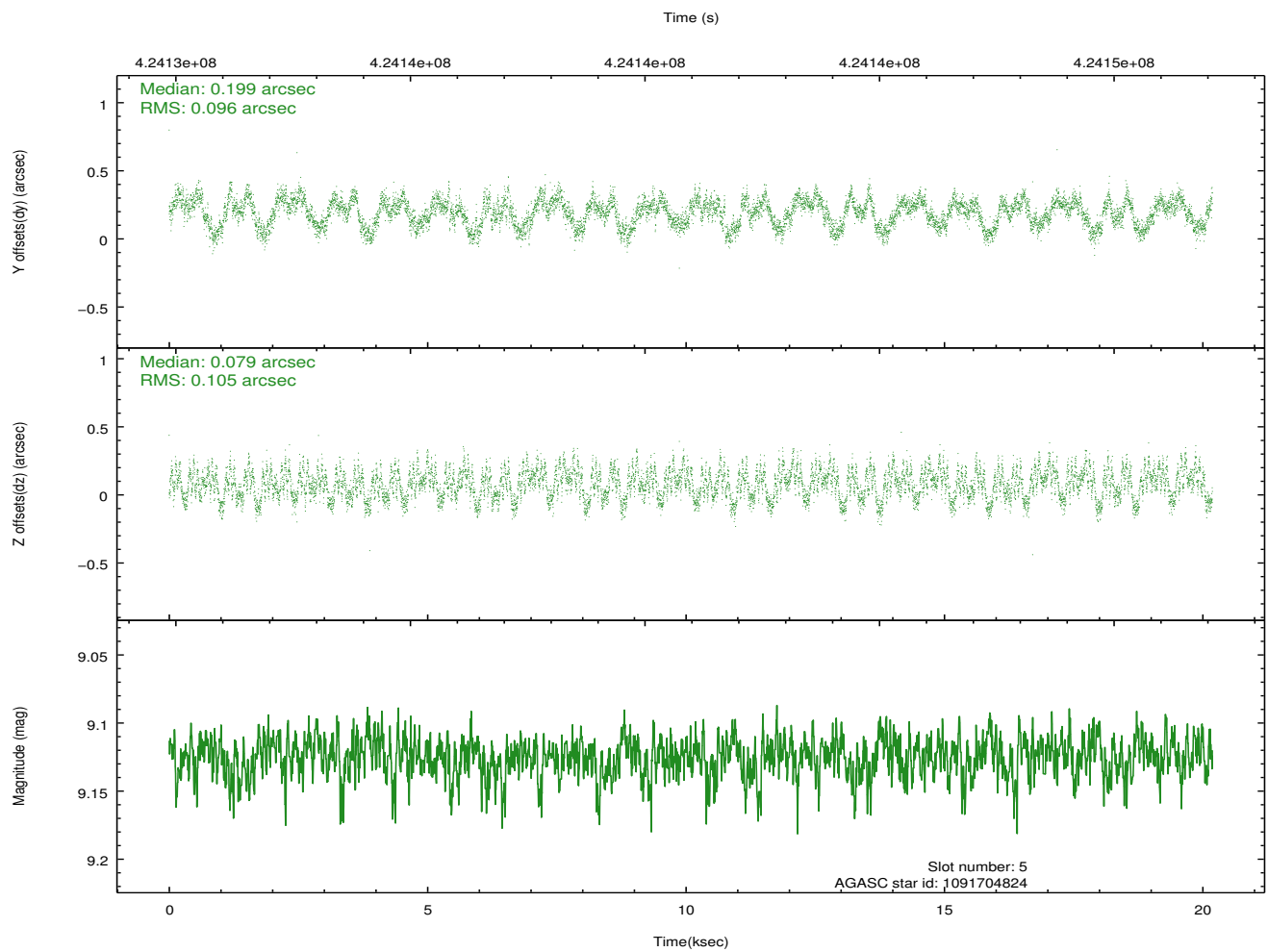
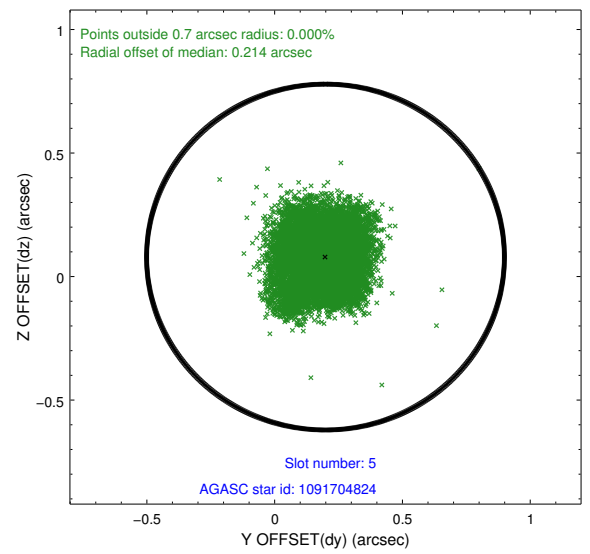
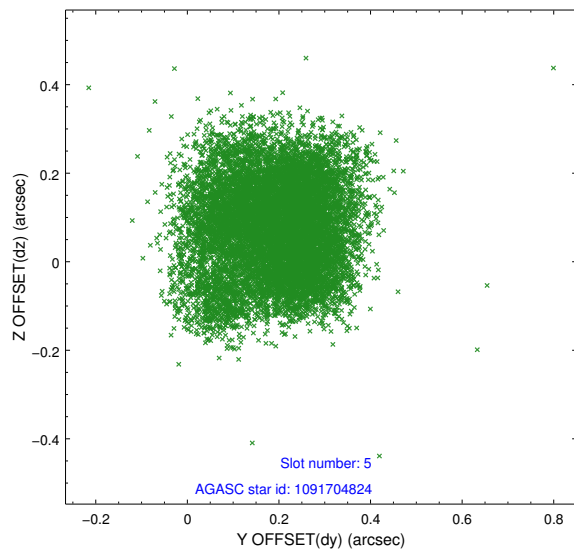
2.4.1 Slot 3



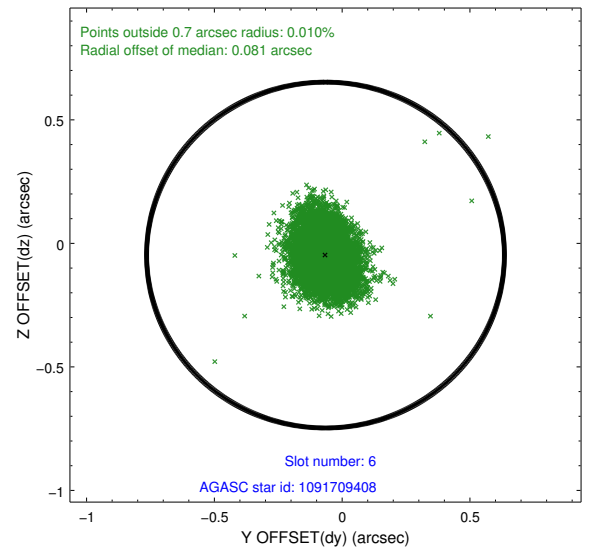
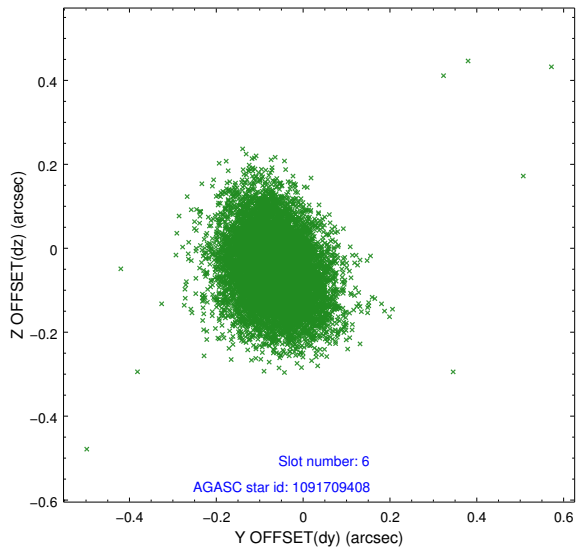
2.4.2 Slot 4



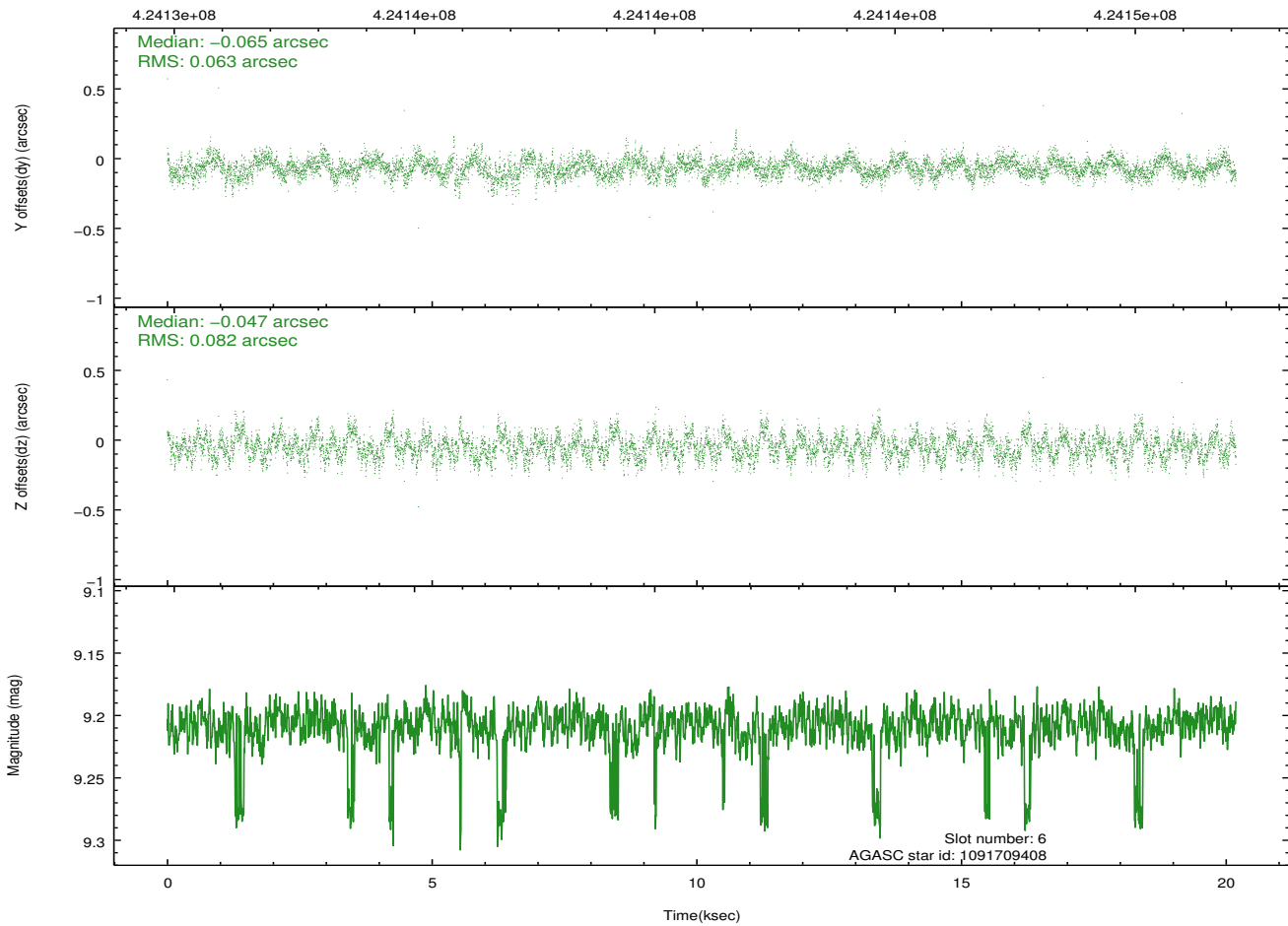
2.4.3 Slot 5



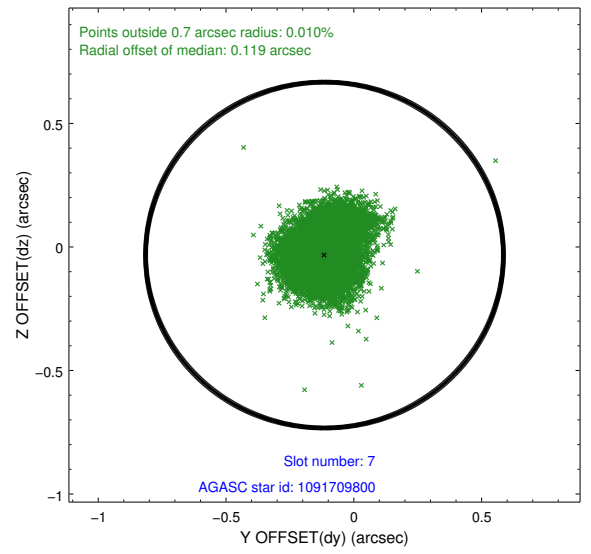
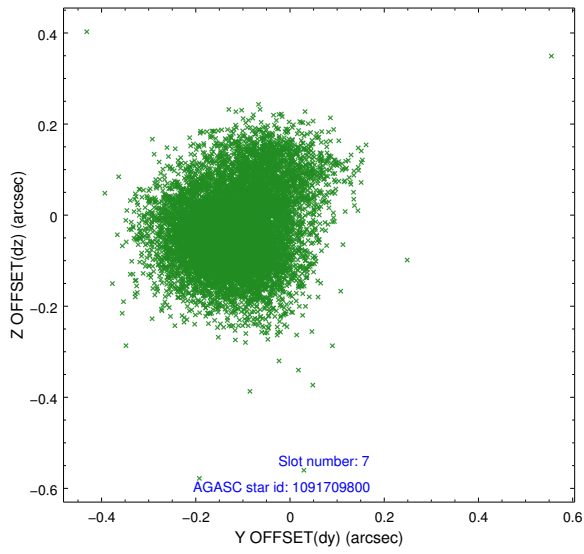
2.4.4 Slot 6



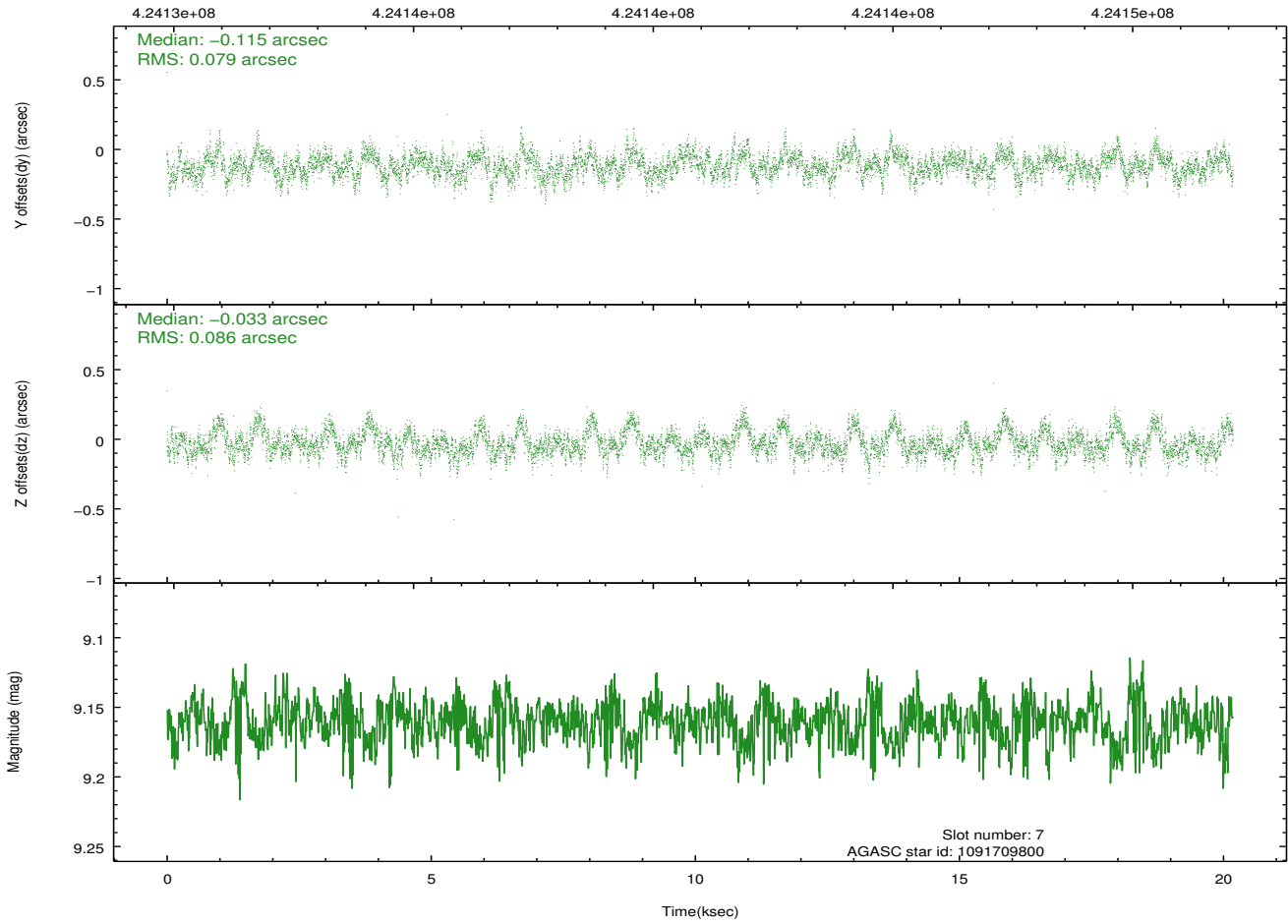
Time (s)



2.4.5 Slot 7

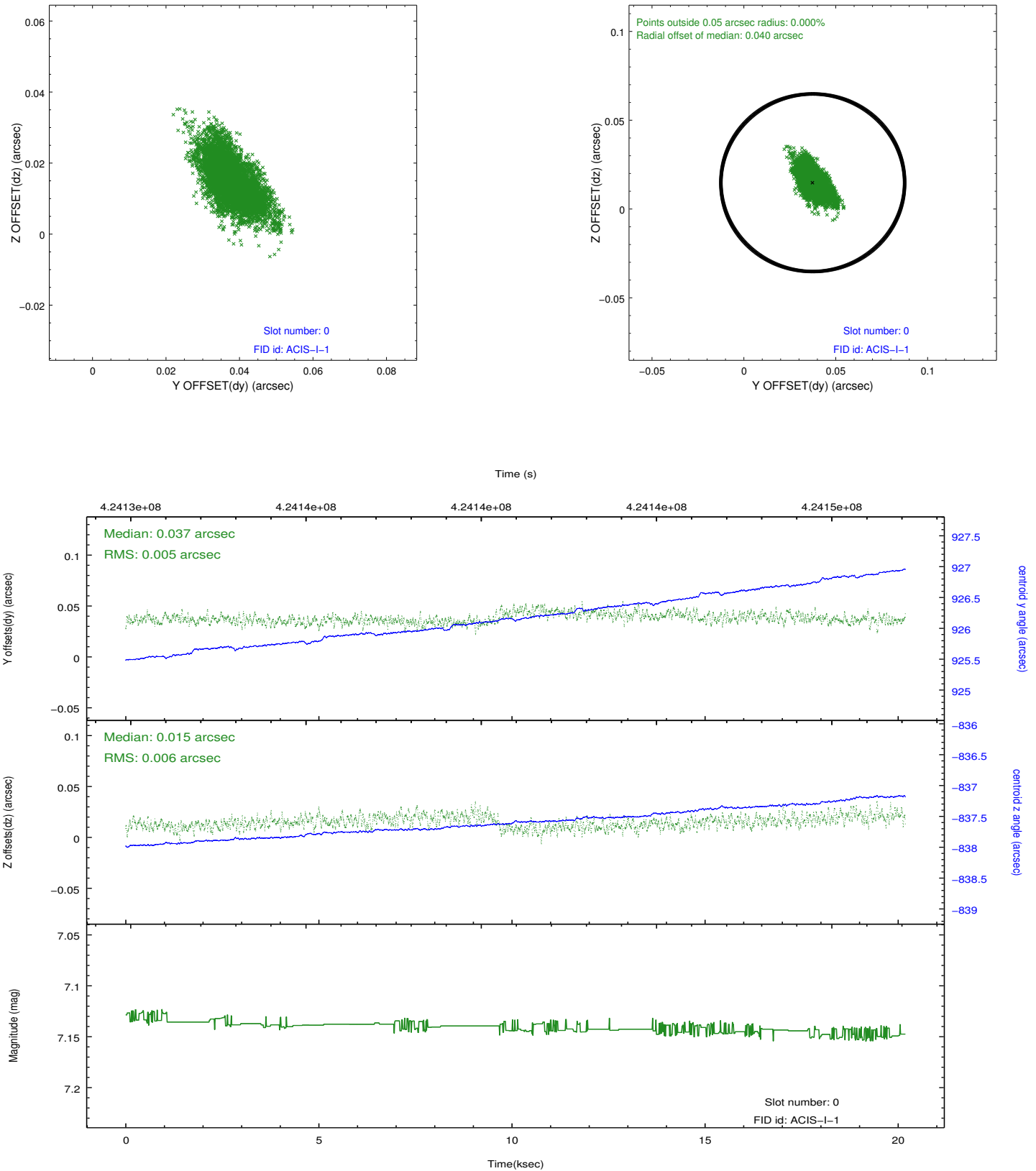


Time (s)

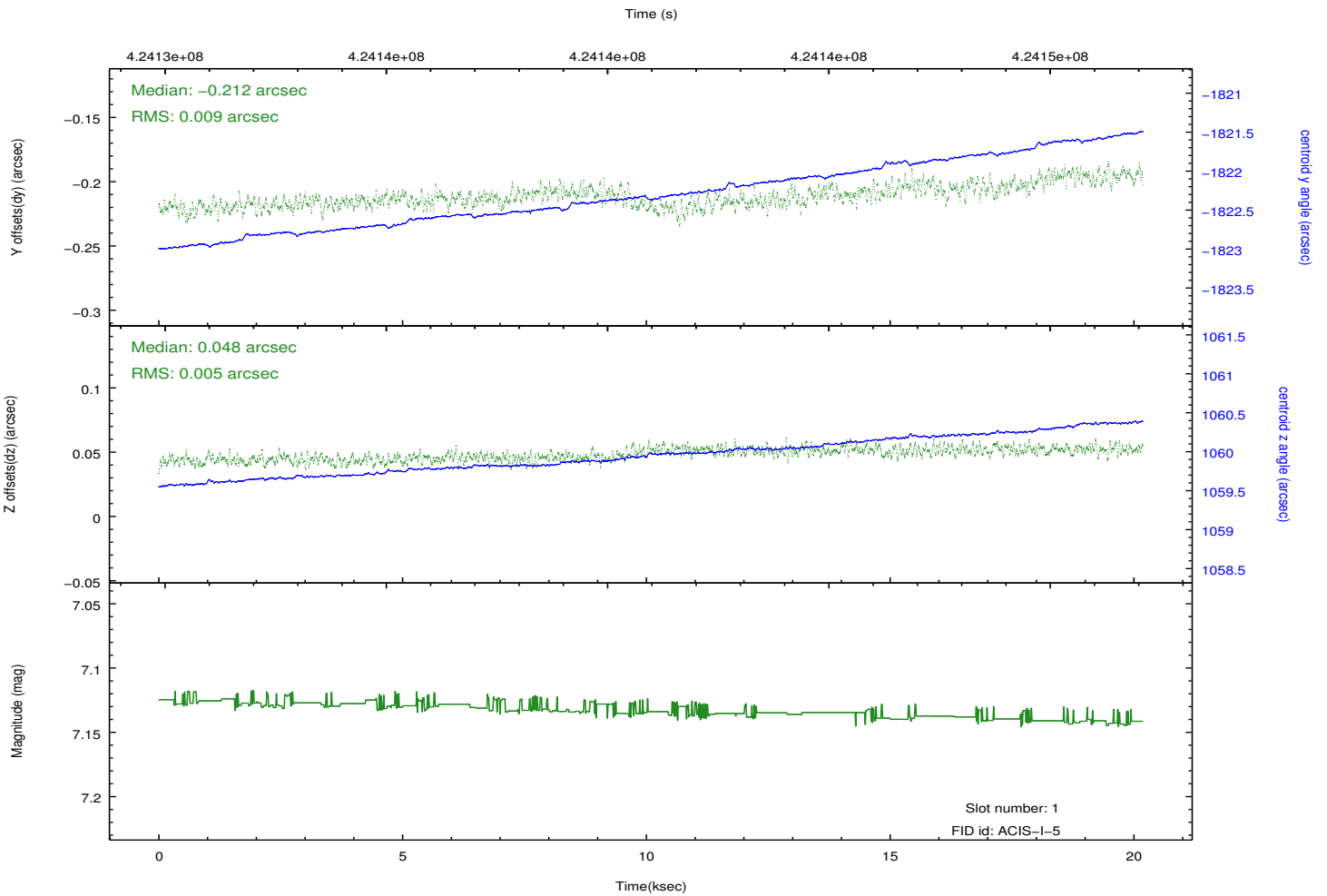
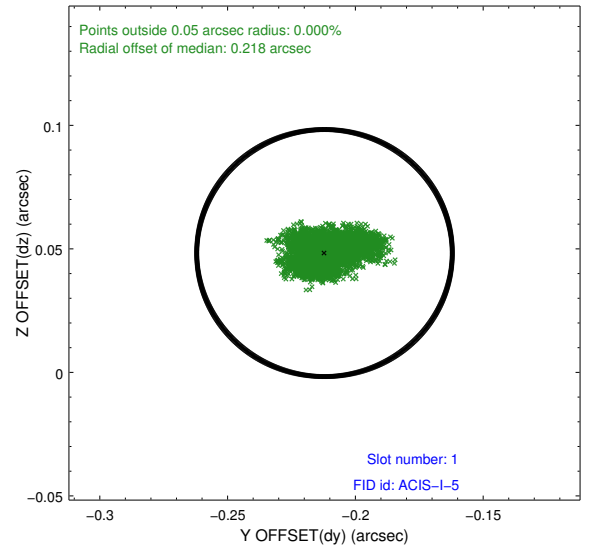
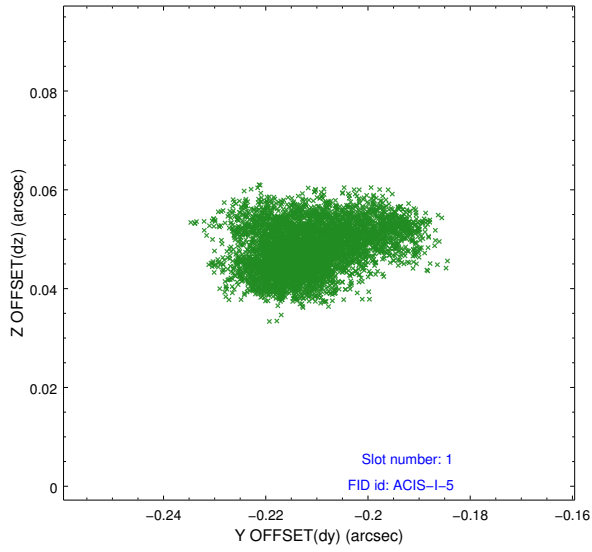


2.5 FID Slots

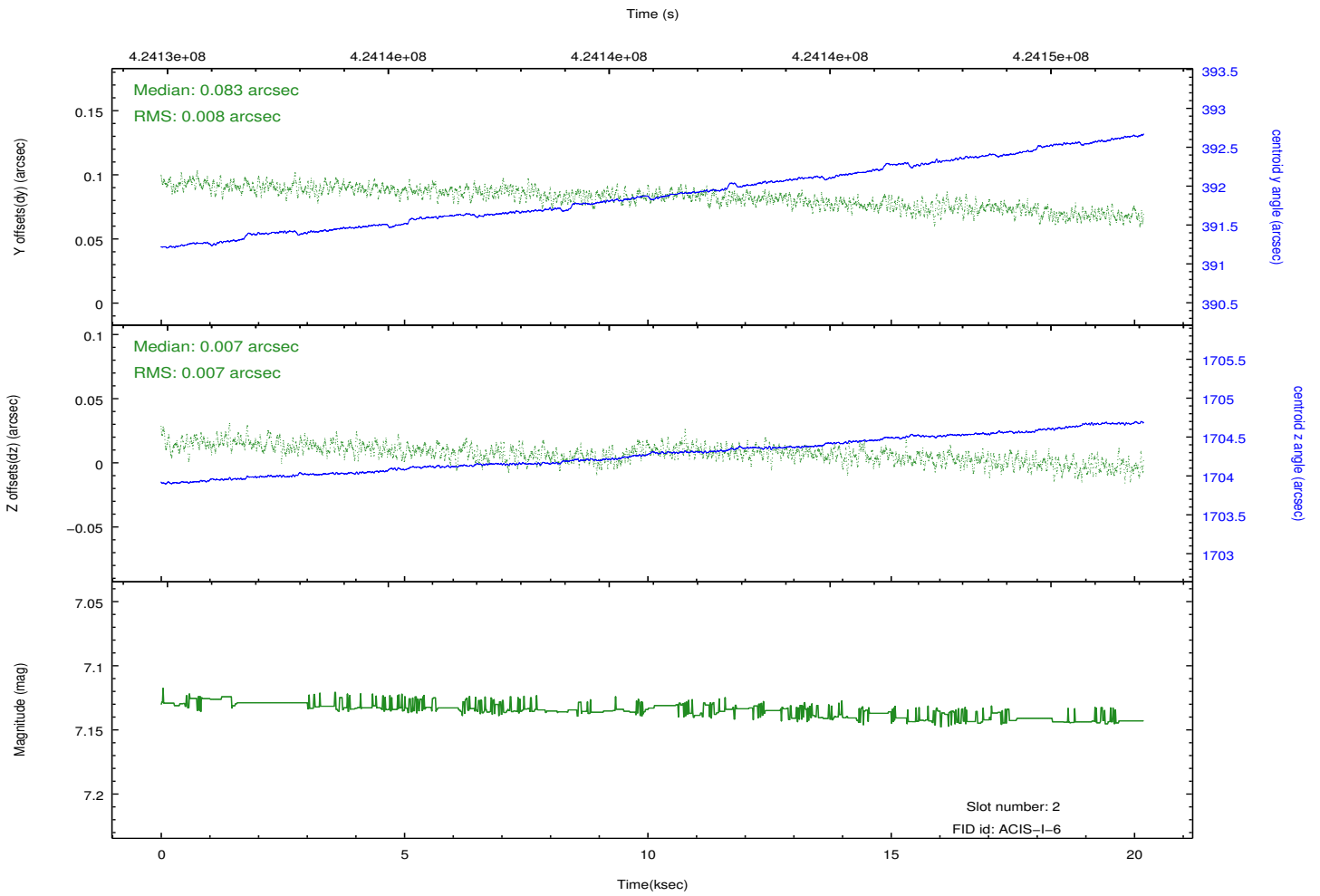
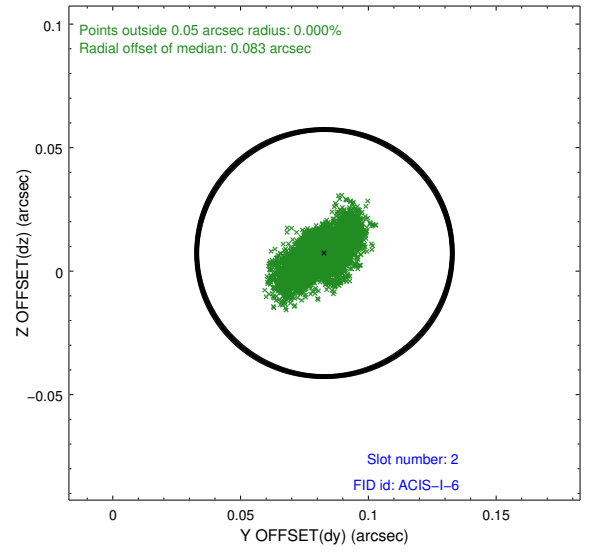
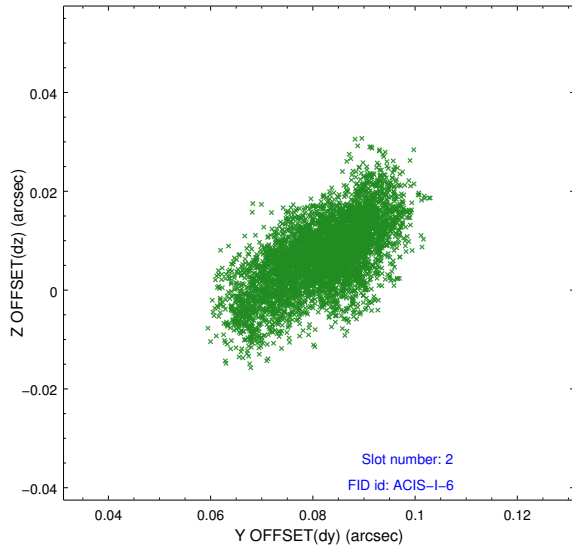
2.5.1 Slot 0



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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.756761598766

A.2 Comments

Joint proposal: NOAO