

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12522 - L2 Version 3
Chandra X-Ray Center

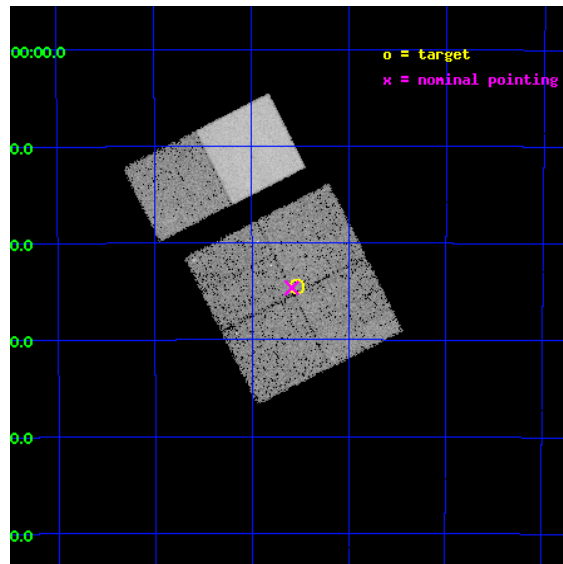
L2 Processing Date : Feb 12 2012

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1 Front

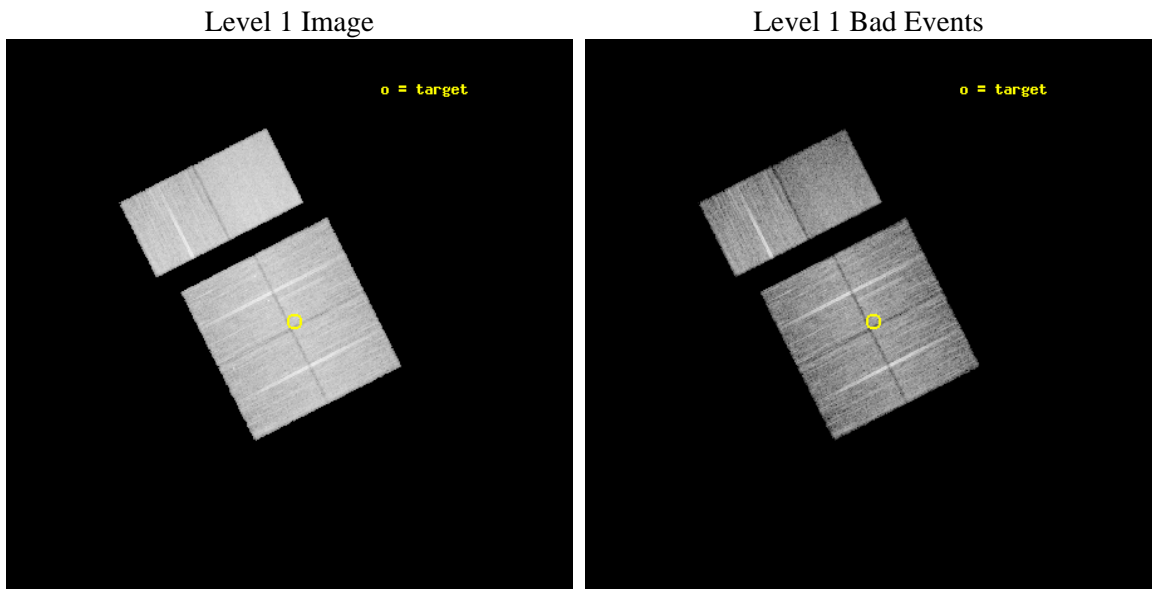
seq_num	401263	Sequence number
obs_id	12522	Observation id
title	Census of the Normal Spiral Arm Region	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	Norma Region	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.385181	Observer's specified target RA [deg]
dec_targ	-47.409421	Observer's specified target Dec [deg]
ra_nom	249.39693269871	Nominal RA [deg]
dec_nom	-47.41072545683	Nominal Dec [deg]
roll_nom	333.21733936497	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19251.117797315	Sum of GTIs [s]
livetime	19007.348552134	Livetime [s]
ontime0	19257.599928319	Sum of GTIs [s]
ontime1	19257.599928319	Sum of GTIs [s]
ontime2	19254.358847439	Sum of GTIs [s]
ontime3	19251.117797315	Sum of GTIs [s]
ontime6	19257.599928319	Sum of GTIs [s]
ontime7	19257.599928319	Sum of GTIs [s]
l2events	131459	Number of level 2 events



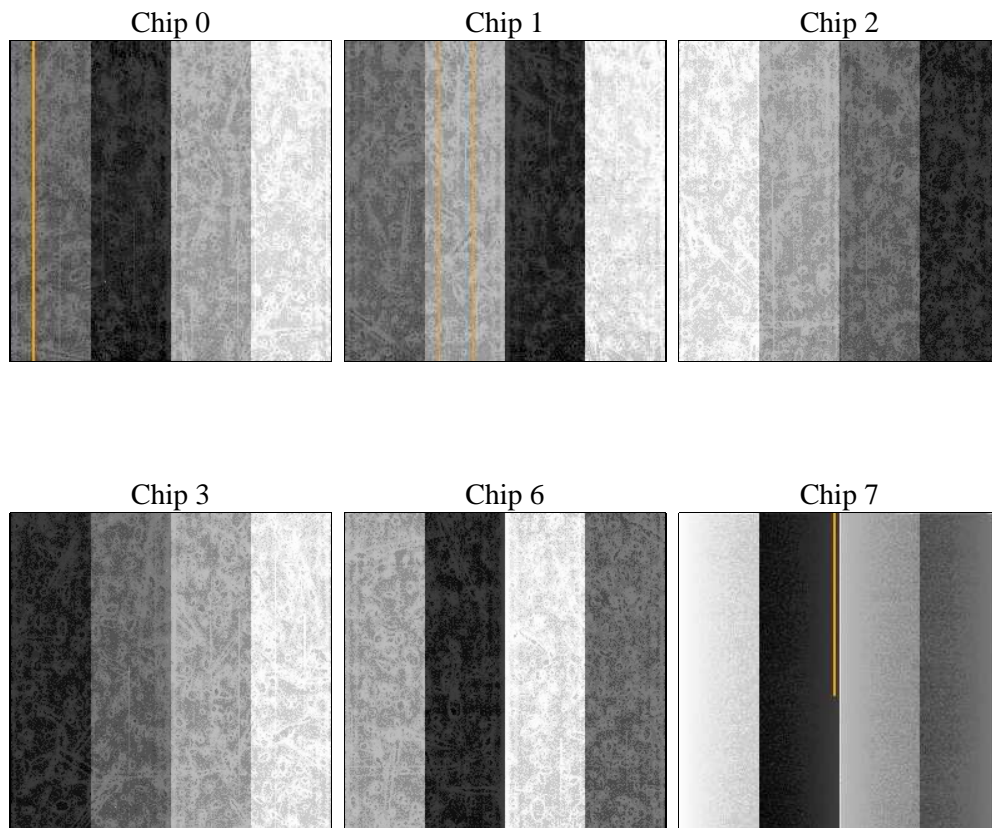
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	19251.117797315	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	19257.599928319	Sum of GTIs [s]
date	2012-02-12T11:47:33	Date and time of file creation	ontime1	19257.599928319	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19254.358847439	Sum of GTIs [s]
			ontime3	19251.117797315	Sum of GTIs [s]
			ontime6	19257.599928319	Sum of GTIs [s]
			ontime7	19257.599928319	Sum of GTIs [s]
			l1events	751161	Number of level 1 events

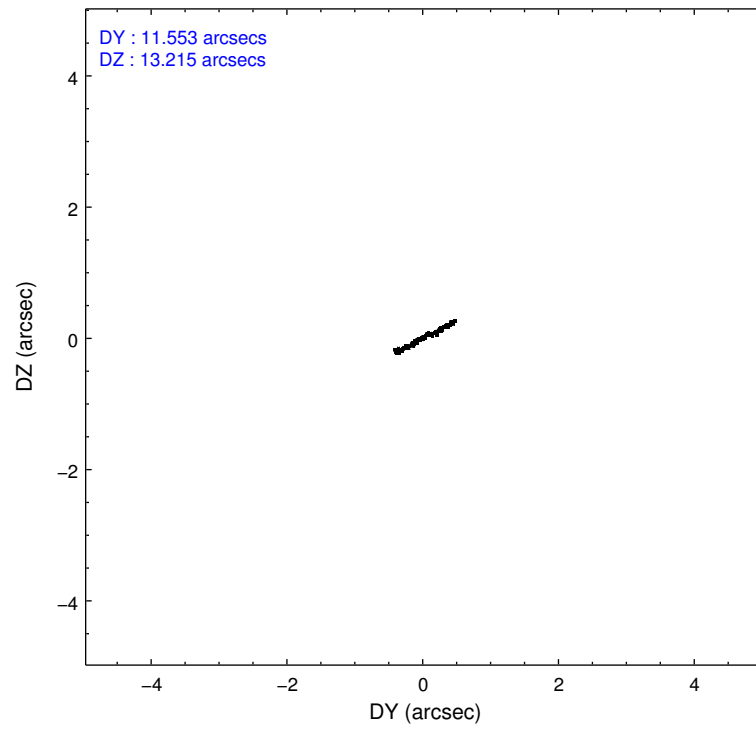
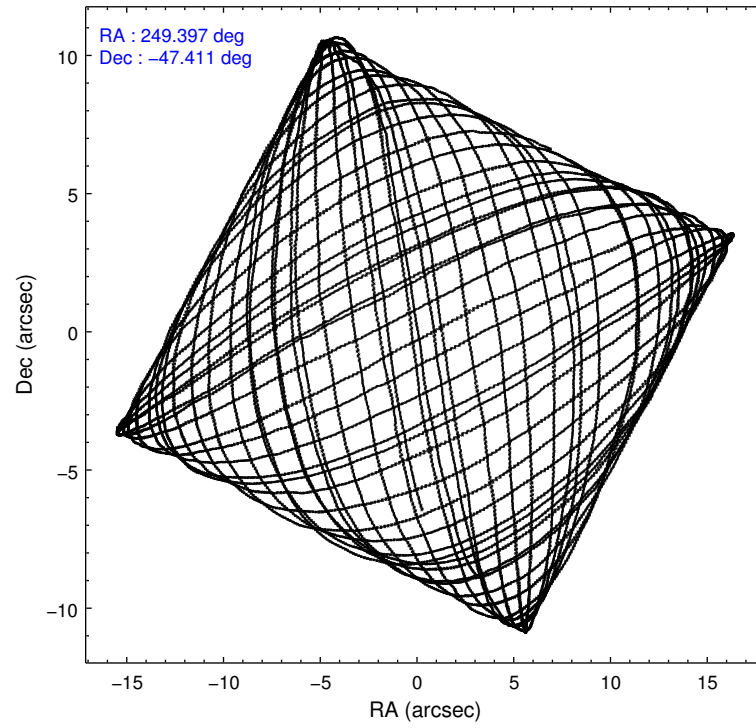
2.1.4 Events

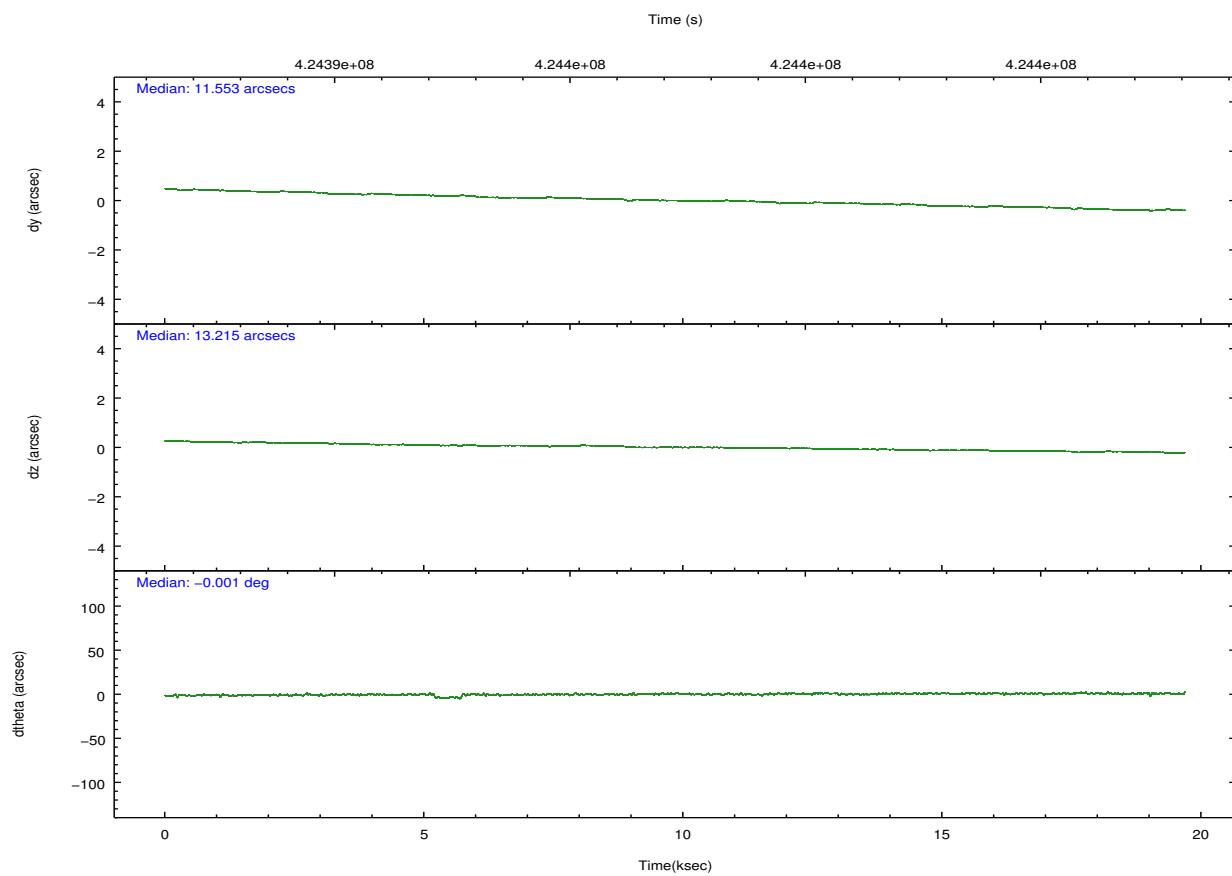
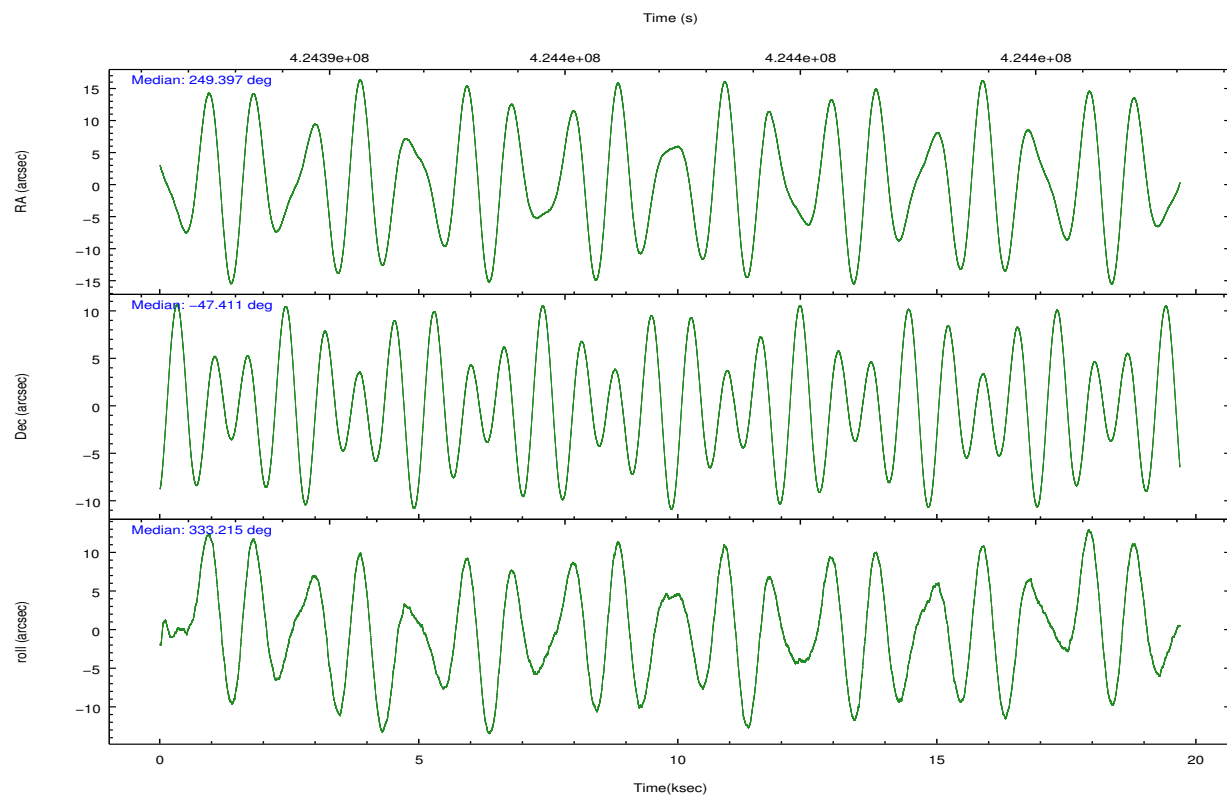
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	108472	114870	122601	117685	130855	156678	grade 0 events	5521	6138	5664	5455	5638	6213
rejected events	93844	98774	108221	103417	115057	87322		5%	5%	4%	4%	4%	3%
rejected %	86%	85%	88%	87%	87%	55%	grade 1 events	53	69	83	79	75	201
								0%	0%	0%	0%	0%	0%
							grade 2 events	3383	3474	3351	3049	3513	14135
								3%	3%	2%	2%	2%	9%
							grade 3 events	1492	1571	1384	1434	1629	5965
								1%	1%	1%	1%	1%	3%
							grade 4 events	1433	1548	1390	1464	1587	6031
								1%	1%	1%	1%	1%	3%
							grade 5 events	4986	5388	4684	5791	6005	16230
								4%	4%	3%	4%	4%	10%
							grade 6 events	2803	3371	2600	2871	3436	37042
								2%	2%	2%	2%	2%	23%
							grade 7 events	88801	93311	103445	97542	108972	70861
								81%	81%	84%	82%	83%	45%

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	249.356401	249.3969326987096	CCD I2 on	Y	Y
[deg] Pointing Dec	-47.412399	-47.41072545682964	CCD I3 on	Y	Y
[deg] Pointing Roll	332.978807	333.2173393649692	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	-233.5899487761303	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.002504226799430853	CCD S4 on	N	N
[s] Observation start time (MET)	424387585.184000	424387208.80652	CCD S5 on	N	N
Observation start date	2011-06-13T21:25:19	2011-06-13T21:20:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	424407085.184000	424407218.85756	On-chip summing requested	N	N
Observation end date	2011-06-14T02:50:19	2011-06-14T02:53:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



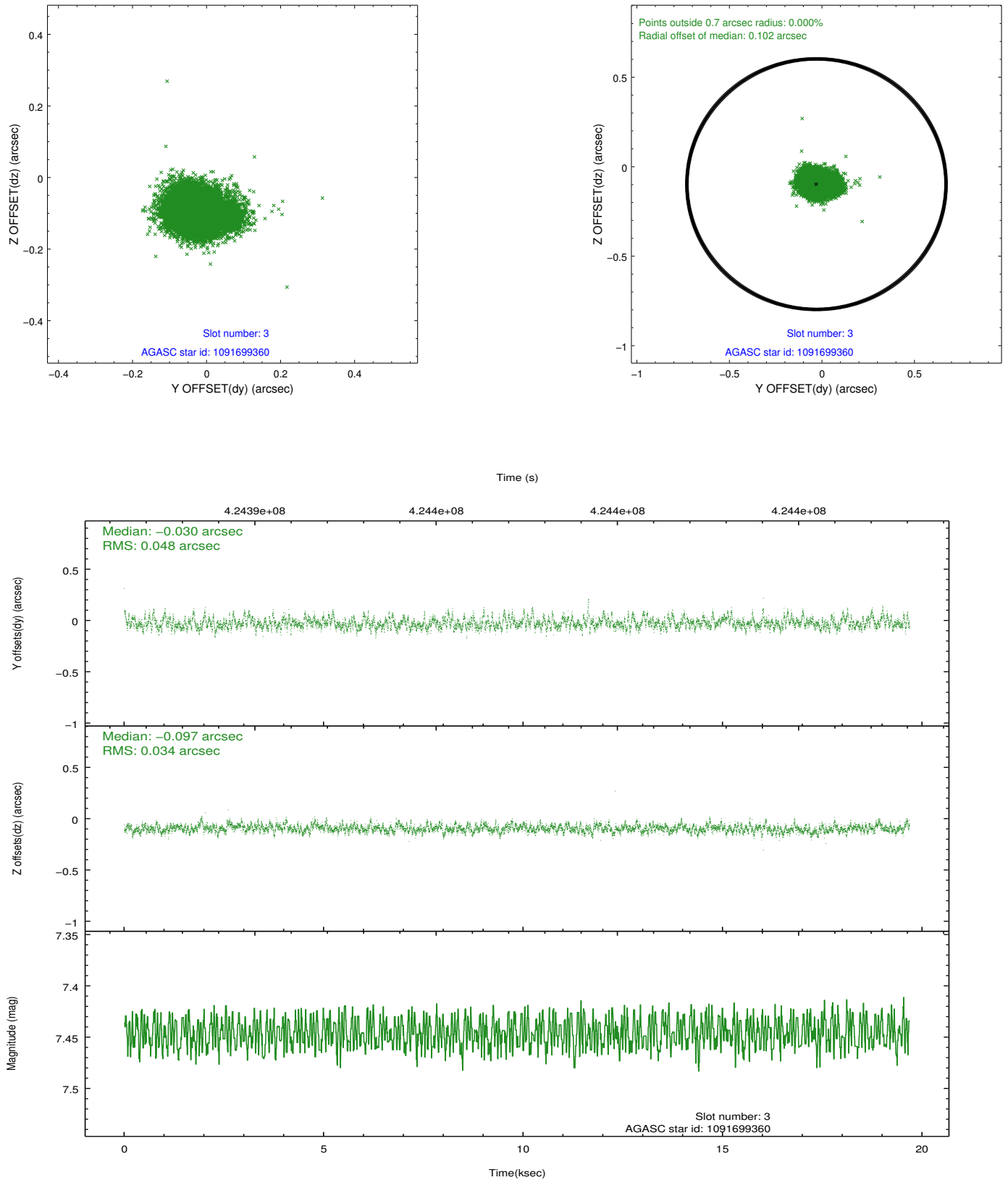


Slot Statistics

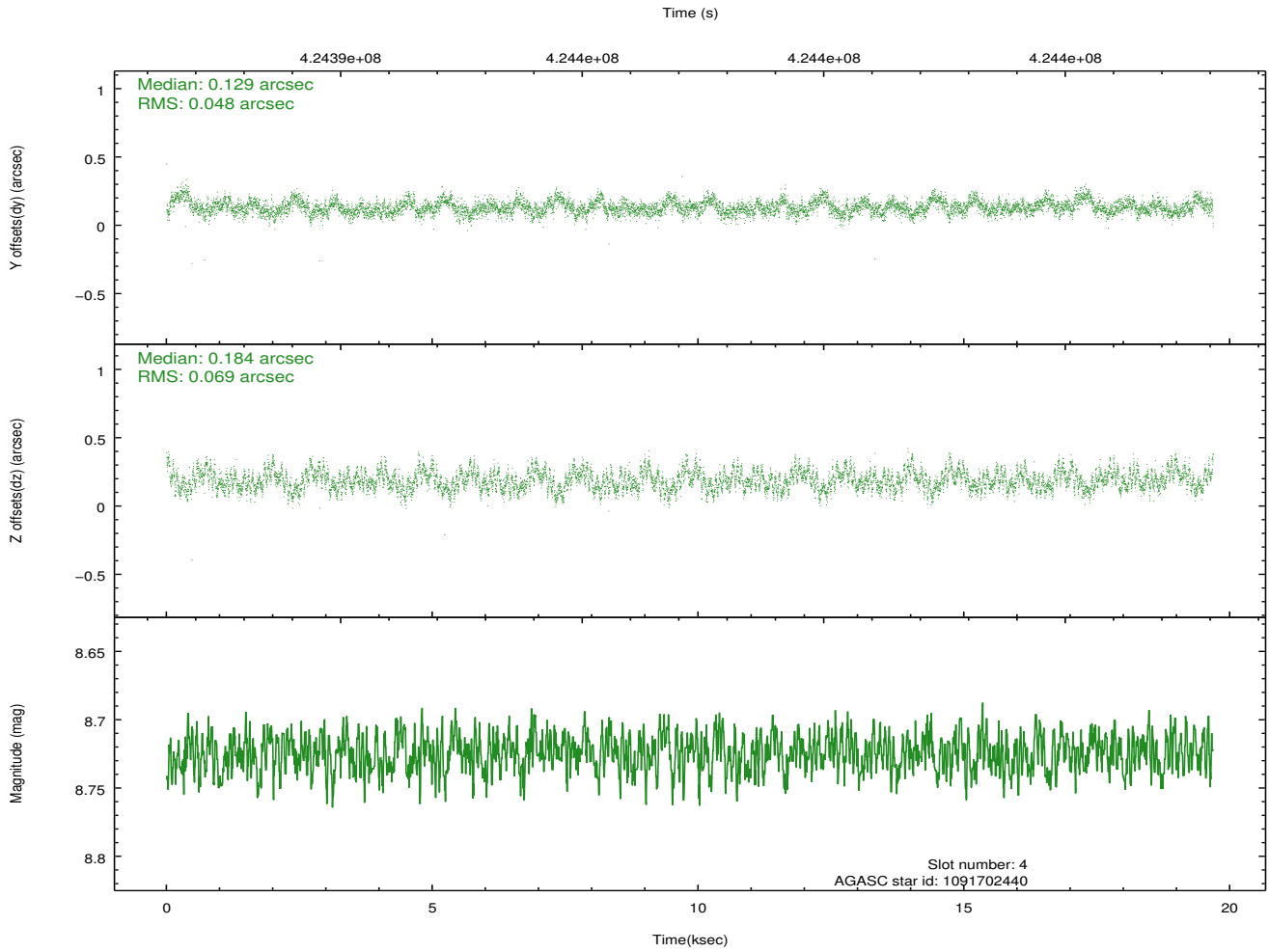
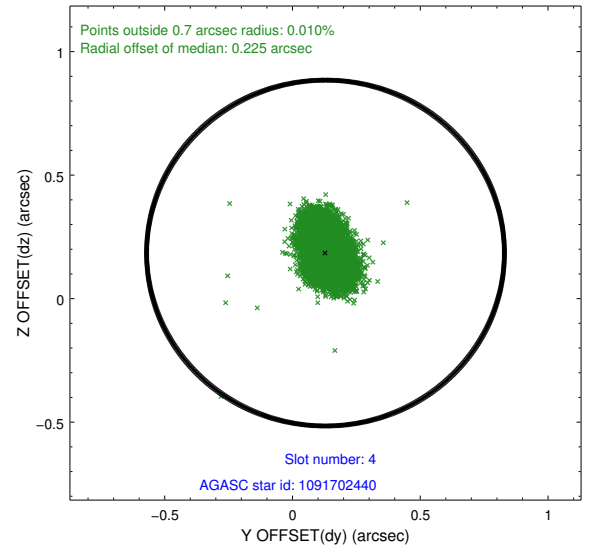
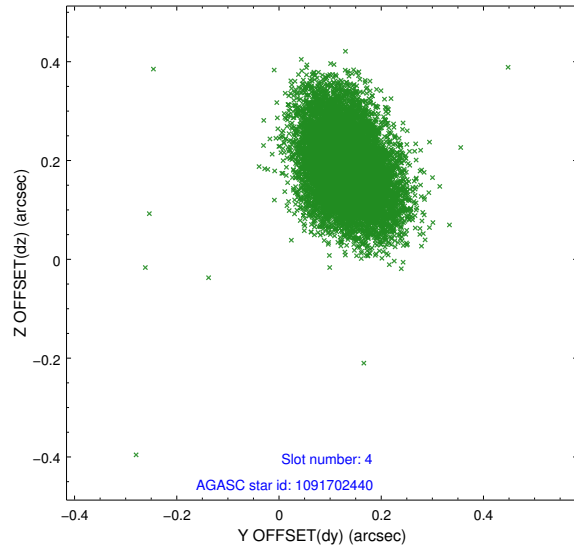
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.07	4800	0.156	0.033	0.012	0.021	0.000000	0.000000	2148.11	1063.17
1	FID	ACIS-I-5	7.13	4800	-0.249	0.029	0.010	0.017	0.000000	0.000000	-1820.00	1061.11
2	FID	ACIS-I-6	7.14	4800	-0.007	0.005	0.009	0.016	0.000000	0.000000	393.33	1705.39
3	GUIDE	1091699360	7.45	9603	-0.030	-0.097	0.061	0.104	248.660725	-47.004364	-2184.98	525.84
4	GUIDE	1091702440	8.73	9598	0.129	0.184	0.088	0.148	248.295809	-47.683380	-1838.33	-2052.46
5	GUIDE	1091705016	7.81	9600	-0.119	-0.201	0.070	0.105	249.888030	-47.558250	1391.20	114.85
6	GUIDE	1091709768	7.71	9603	0.037	0.141	0.047	0.077	249.435228	-47.706899	652.64	-857.73
7	GUIDE	1091709800	9.16	9495	-0.018	-0.033	0.133	0.206	249.801955	-47.310212	804.35	817.90

2.4 Star Slots

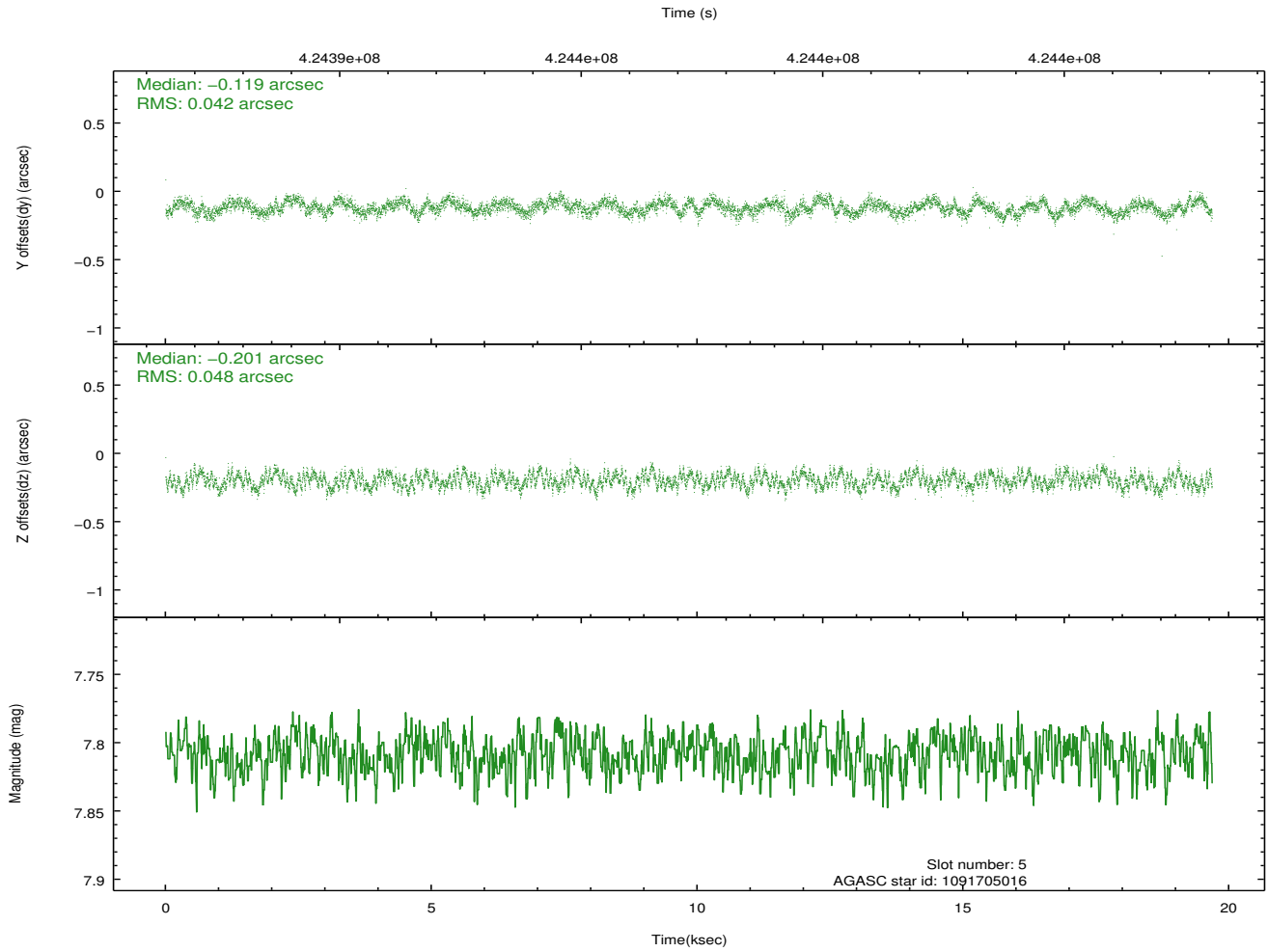
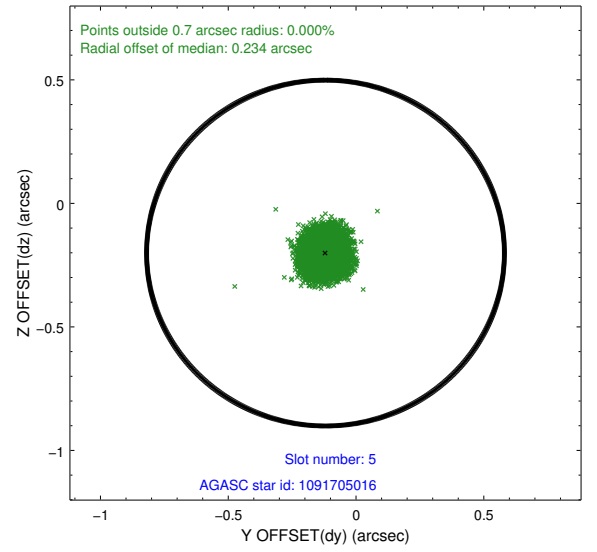
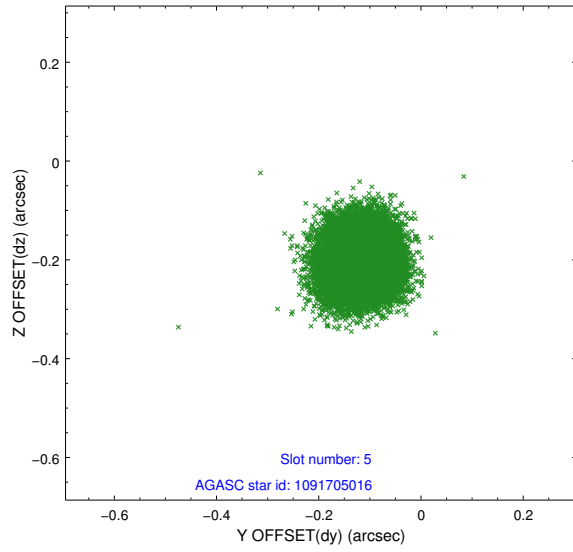
2.4.1 Slot 3



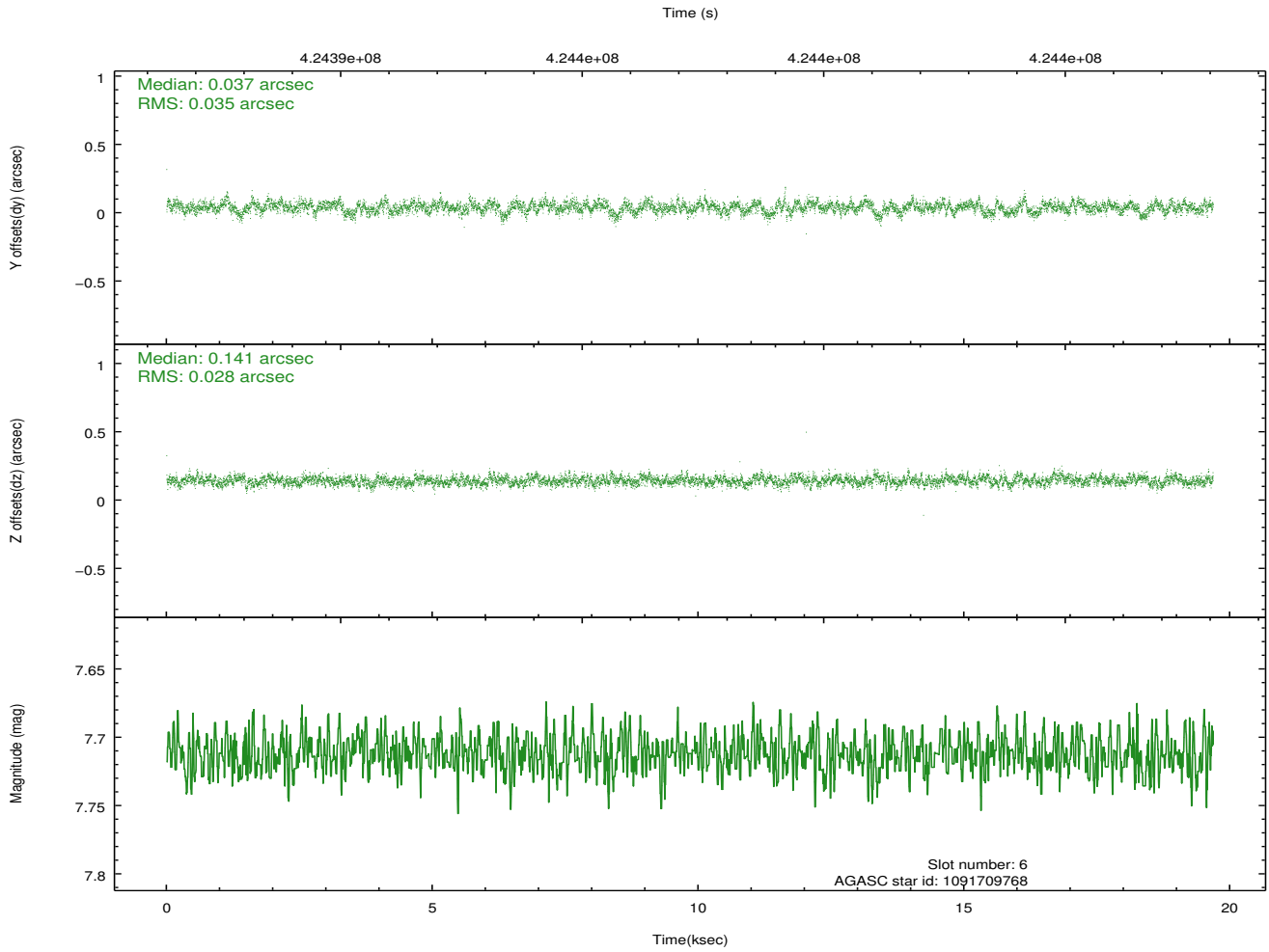
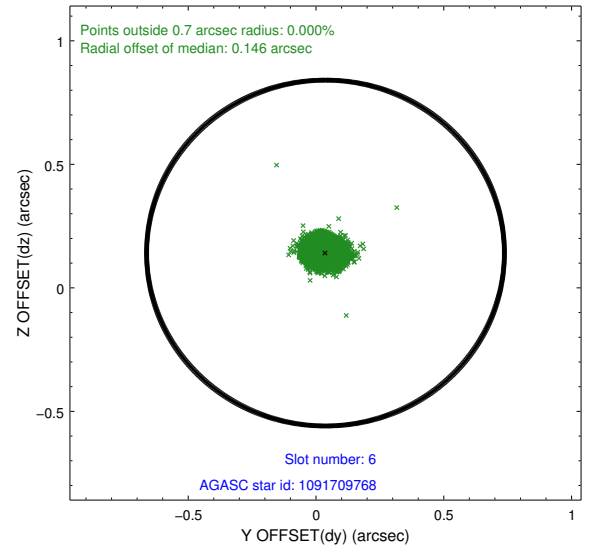
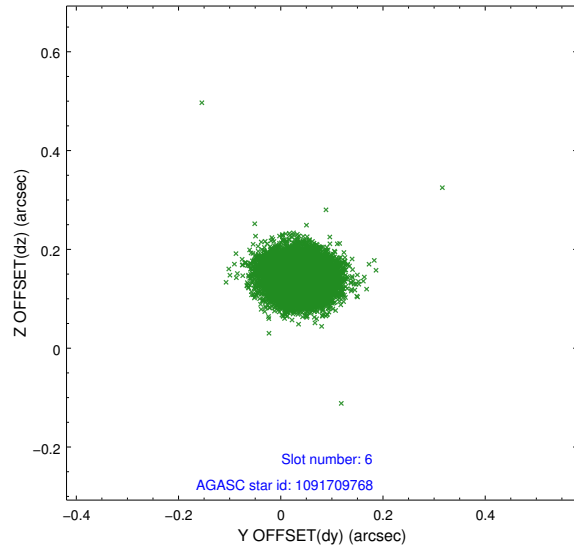
2.4.2 Slot 4



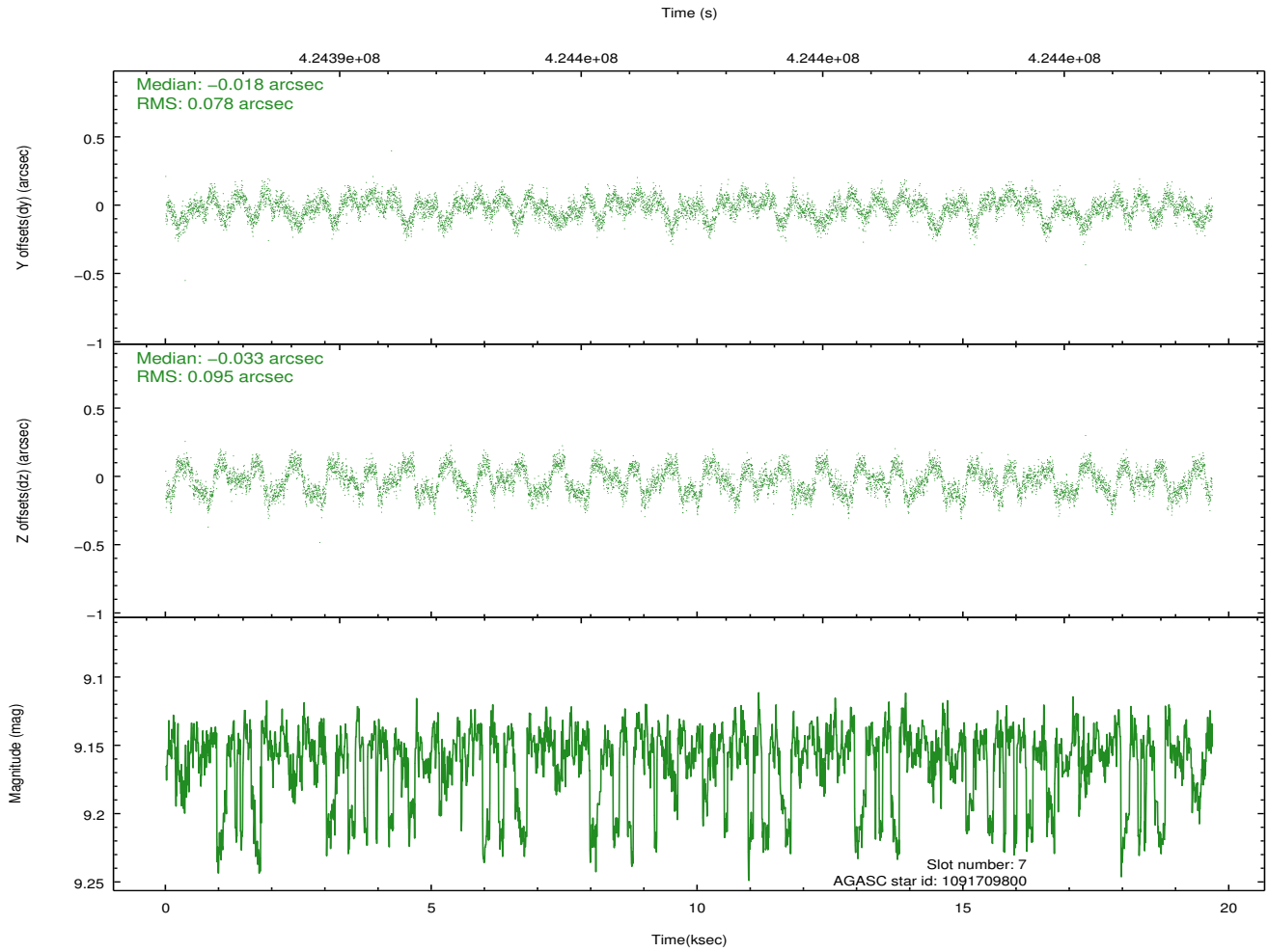
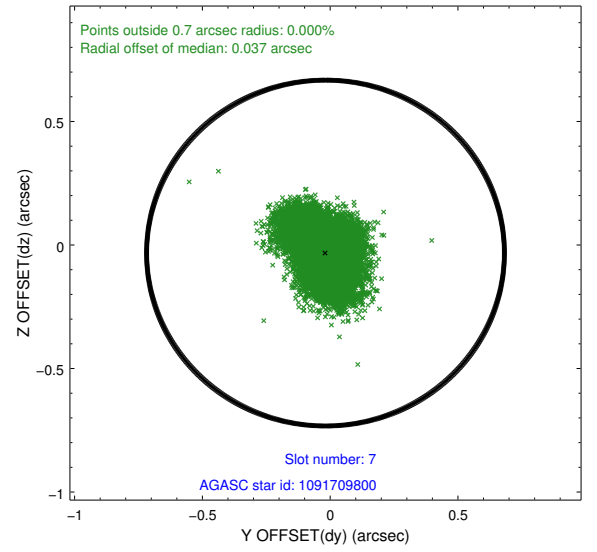
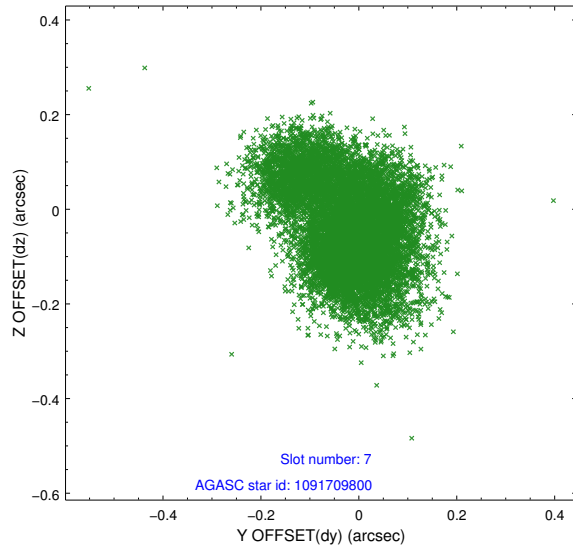
2.4.3 Slot 5



2.4.4 Slot 6

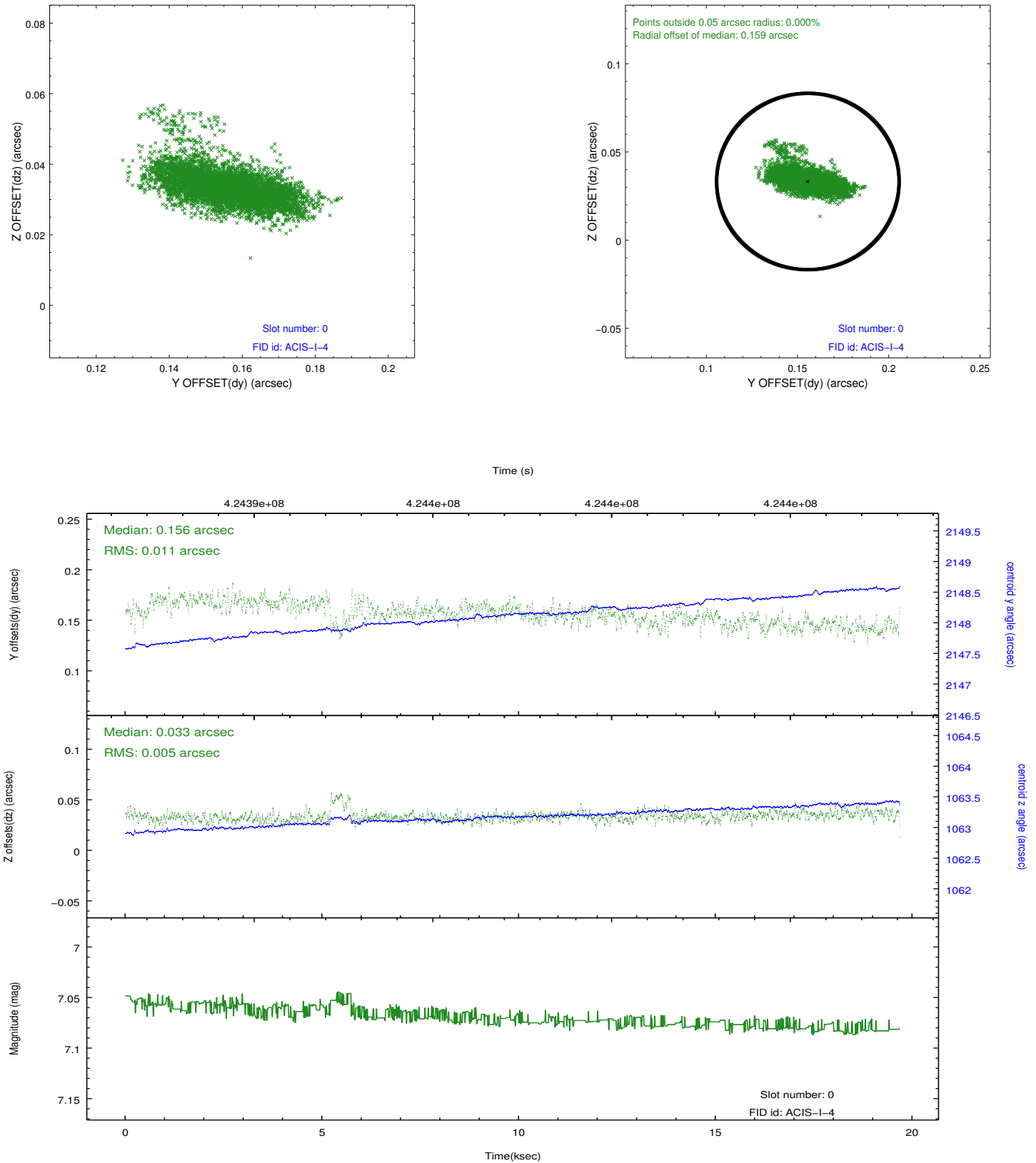


2.4.5 Slot 7

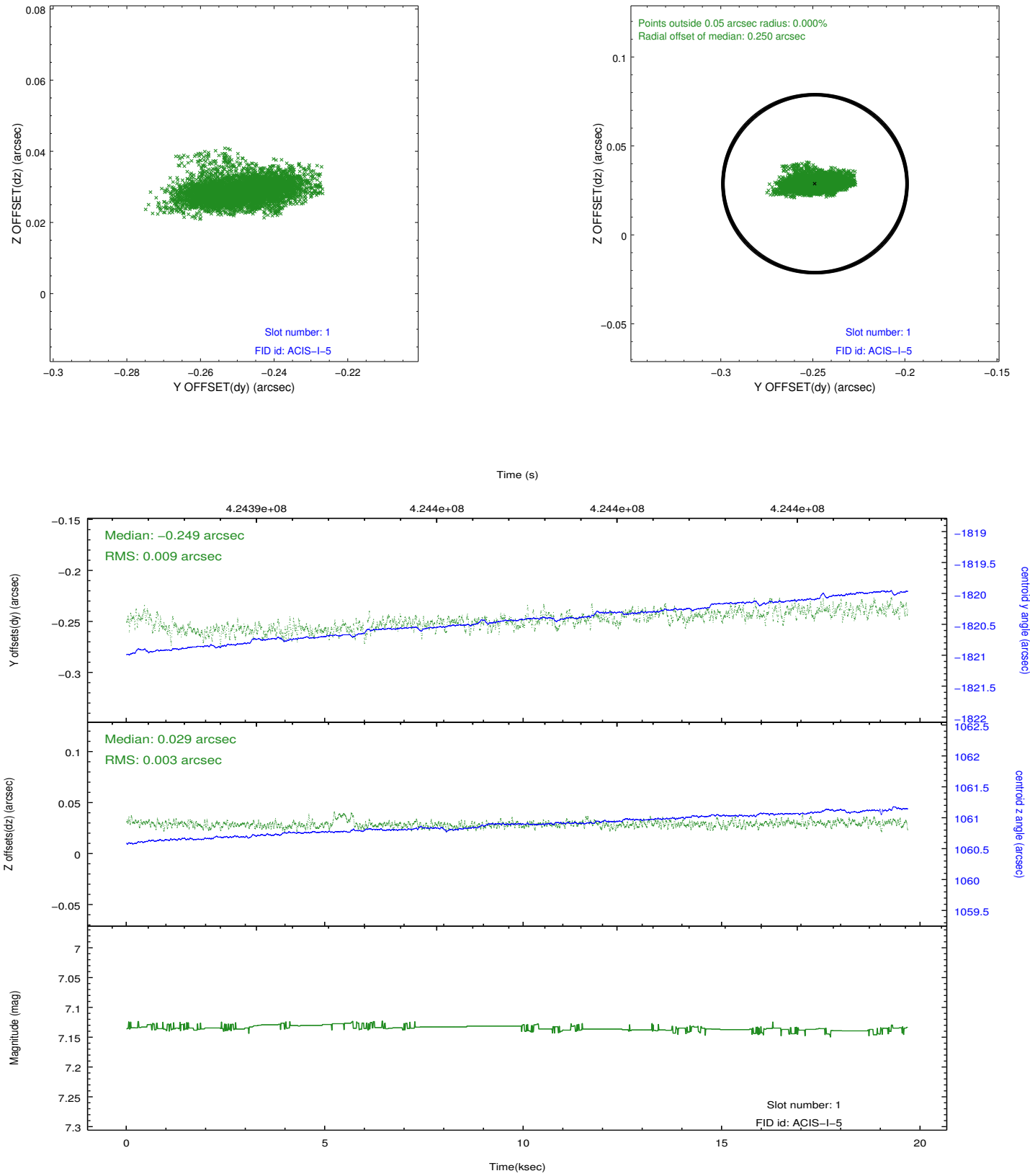


2.5 FID Slots

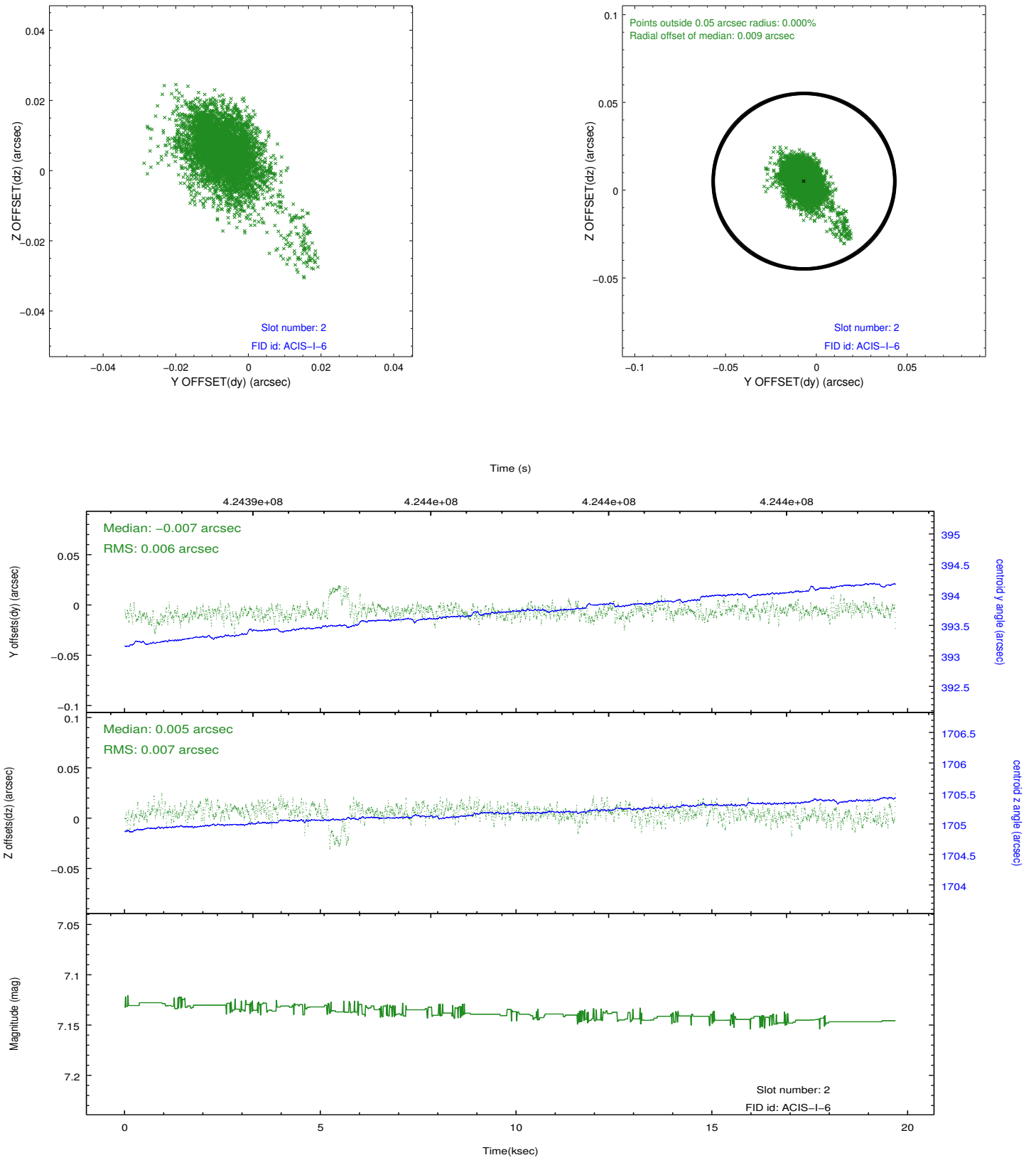
2.5.1 Slot 0



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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.251117797315

A.2 Comments

Joint Proposal: NOAO