

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12520 - L2 Version 3
Chandra X-Ray Center

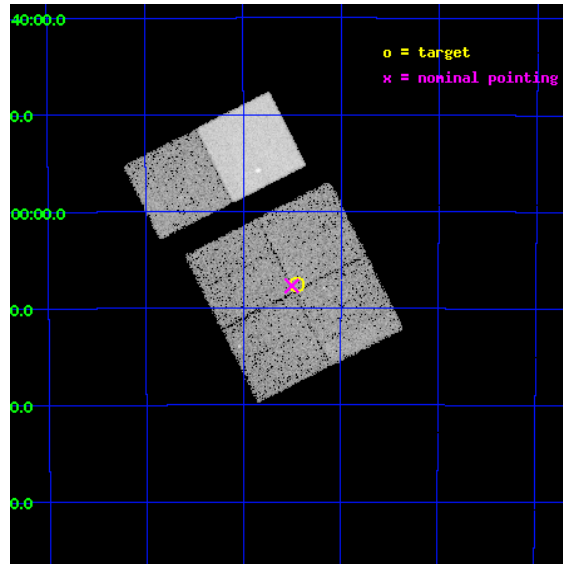
L2 Processing Date : Feb 12 2012

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1 Front

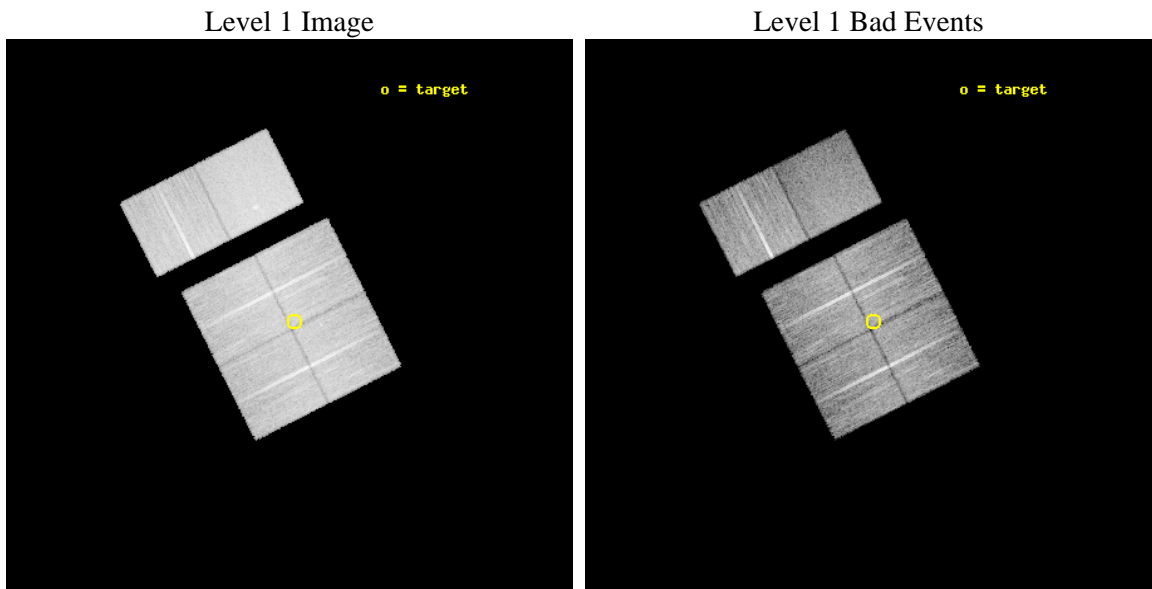
seq_num	401261	Sequence number
obs_id	12520	Observation id
title	Census of the Normal Spiral Arm Region	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	Norma Region	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	249.363904	Observer's specified target RA [deg]
dec_targ	-47.126947	Observer's specified target Dec [deg]
ra_nom	249.37557705115	Nominal RA [deg]
dec_nom	-47.12827296156	Nominal Dec [deg]
roll_nom	333.21724218805	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19254.399928331	Sum of GTIs [s]
livetime	19010.589122831	Livetime [s]
ontime0	19254.290358365	Sum of GTIs [s]
ontime1	19251.090358078	Sum of GTIs [s]
ontime2	19254.37243855	Sum of GTIs [s]
ontime3	19254.399928331	Sum of GTIs [s]
ontime6	19254.399928331	Sum of GTIs [s]
ontime7	19254.399928331	Sum of GTIs [s]
l2events	136884	Number of level 2 events



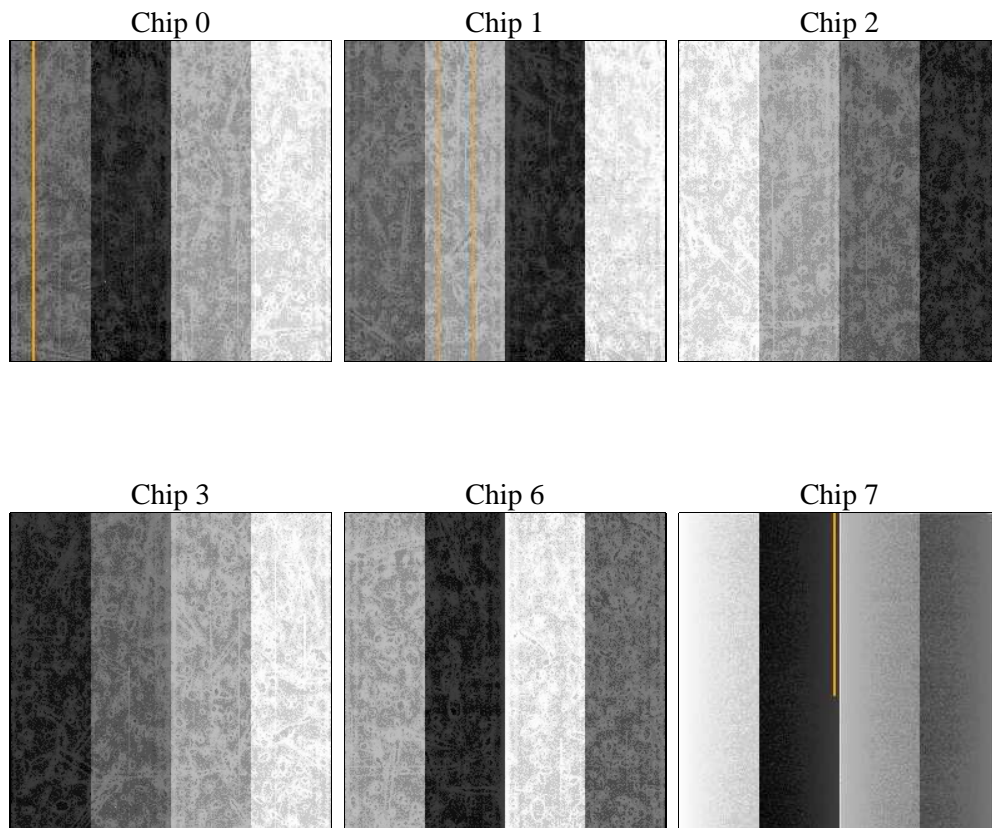
2 OBI

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	19254.399928331	Sum of GTIs [s]
caldsver	4.4.7	 	ontime0	19254.290358365	Sum of GTIs [s]
date	2012-02-12T11:10:07	Date and time of file creation	ontime1	19251.090358078	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	19254.37243855	Sum of GTIs [s]
			ontime3	19254.399928331	Sum of GTIs [s]
			ontime6	19254.399928331	Sum of GTIs [s]
			ontime7	19254.399928331	Sum of GTIs [s]
			l1events	754047	Number of level 1 events

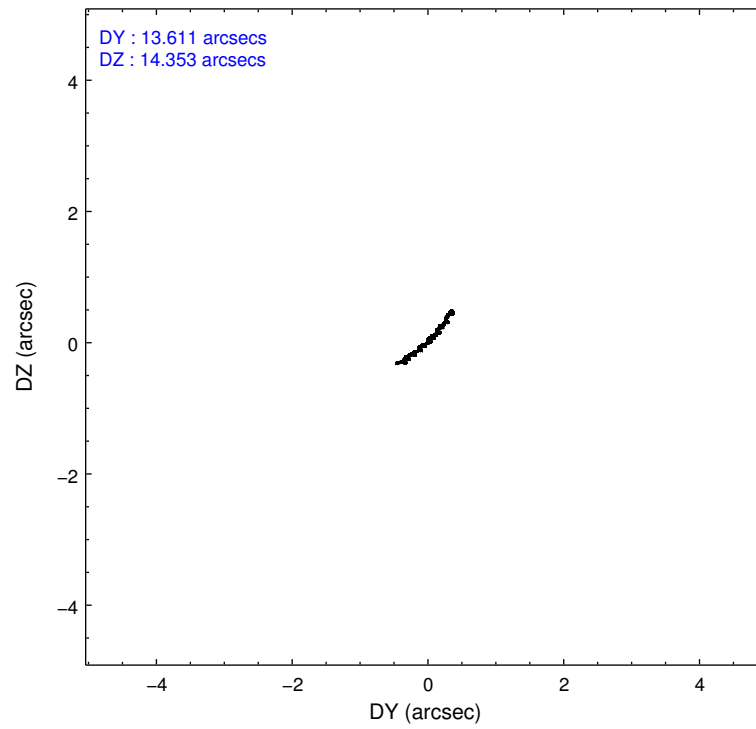
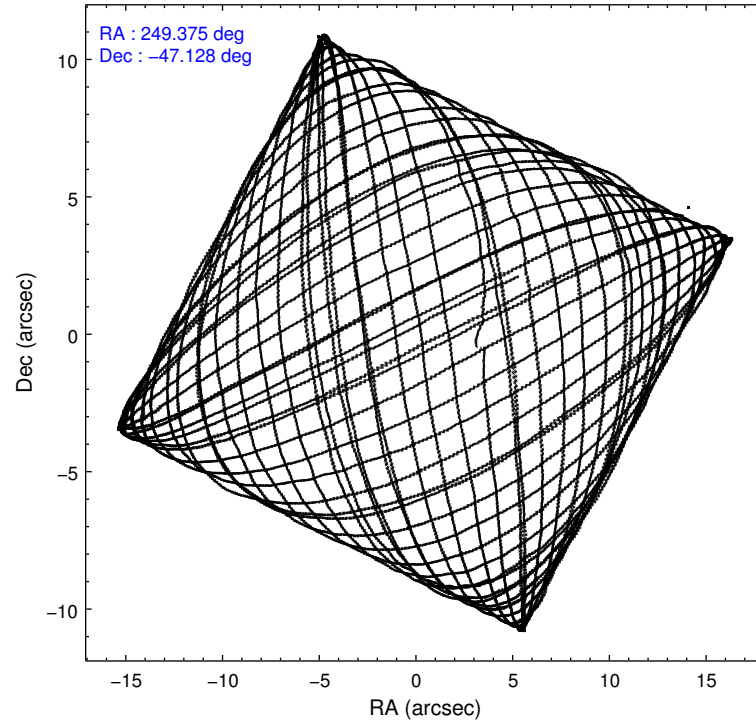
2.1.4 Events

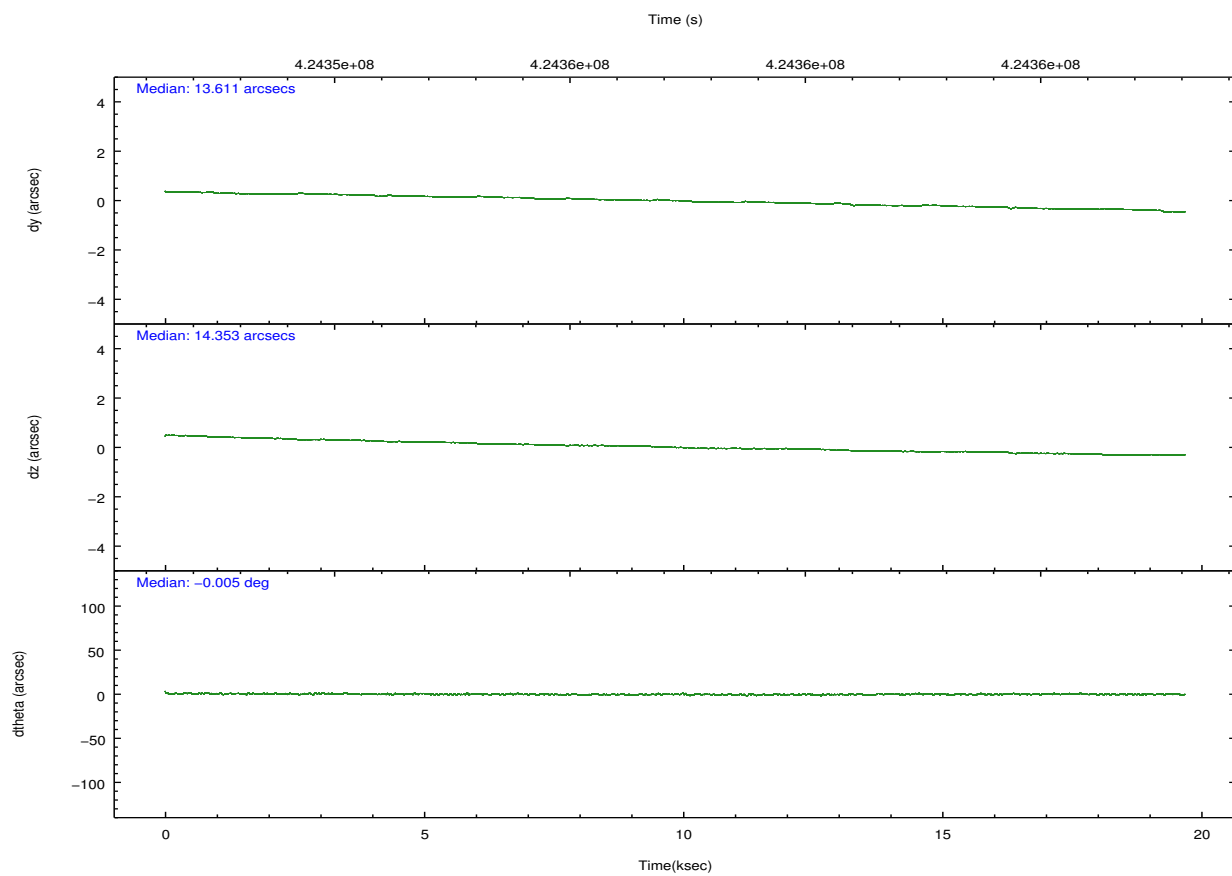
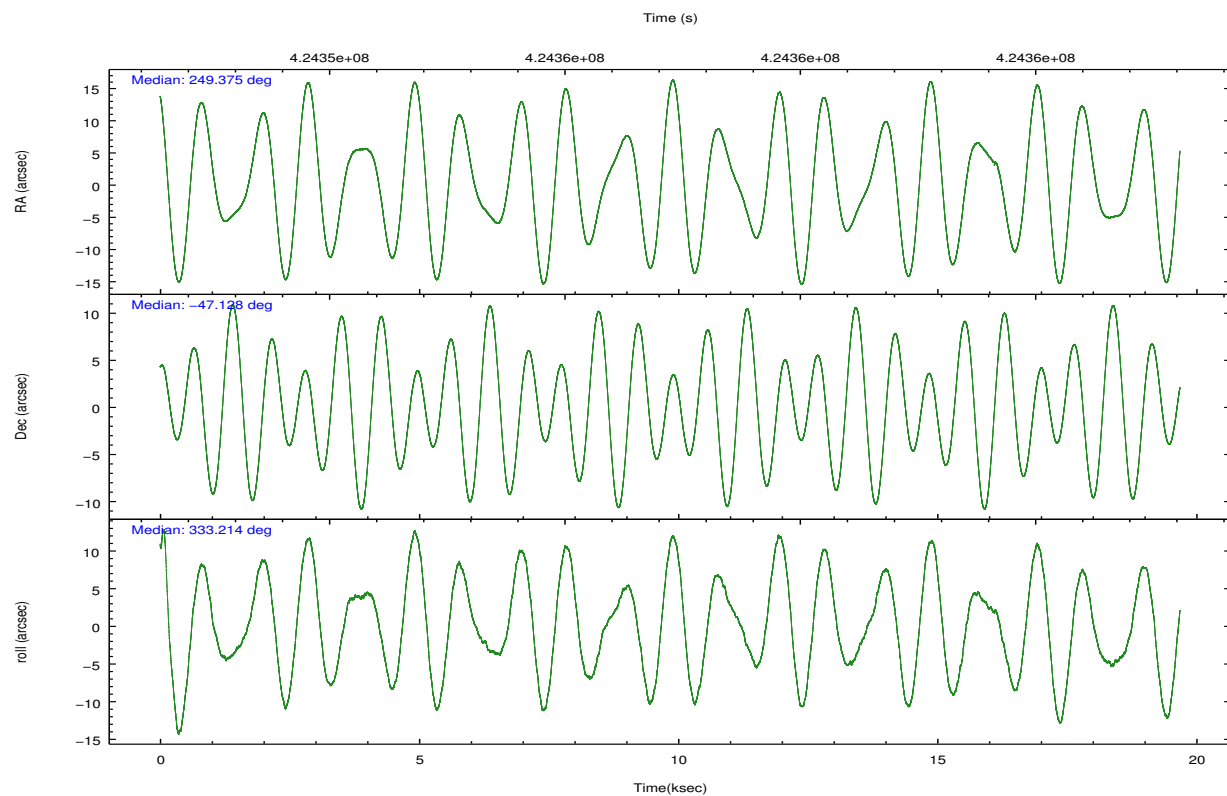
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	108950	115200	122290	120930	127809	158868	grade 0 events	5785	6562	5944	5549	6119	6924
rejected events	93738	98323	107141	106352	111593	86271		5%	5%	4%	4%	4%	4%
rejected %	86%	85%	87%	87%	87%	54%	grade 1 events	75	73	59	61	70	184
								0%	0%	0%	0%	0%	0%
							grade 2 events	3639	3833	3511	3175	3587	15000
								3%	3%	2%	2%	2%	9%
							grade 3 events	1502	1575	1385	1501	1510	6396
								1%	1%	1%	1%	1%	4%
							grade 4 events	1438	1548	1439	1436	1574	6359
								1%	1%	1%	1%	1%	4%
							grade 5 events	5163	5584	4799	5924	5955	16252
								4%	4%	3%	4%	4%	10%
							grade 6 events	2849	3360	2871	2917	3429	37939
								2%	2%	2%	2%	2%	23%
							grade 7 events	88499	92665	102282	100367	105565	69814
								81%	80%	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	249.335286	249.3755770511484	CCD I2 on	Y	Y
[deg] Pointing Dec	-47.129918	-47.12827296156036	CCD I3 on	Y	Y
[deg] Pointing Roll	332.979022	333.217242188053	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)	424347565.184000	424347188.70444	CCD S5 on	N	N
Observation start date	2011-06-13T10:18:19	2011-06-13T10:13:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	424367065.184000	424367198.75548	On-chip summing requested	N	N
Observation end date	2011-06-13T15:43:19	2011-06-13T15:46:38	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



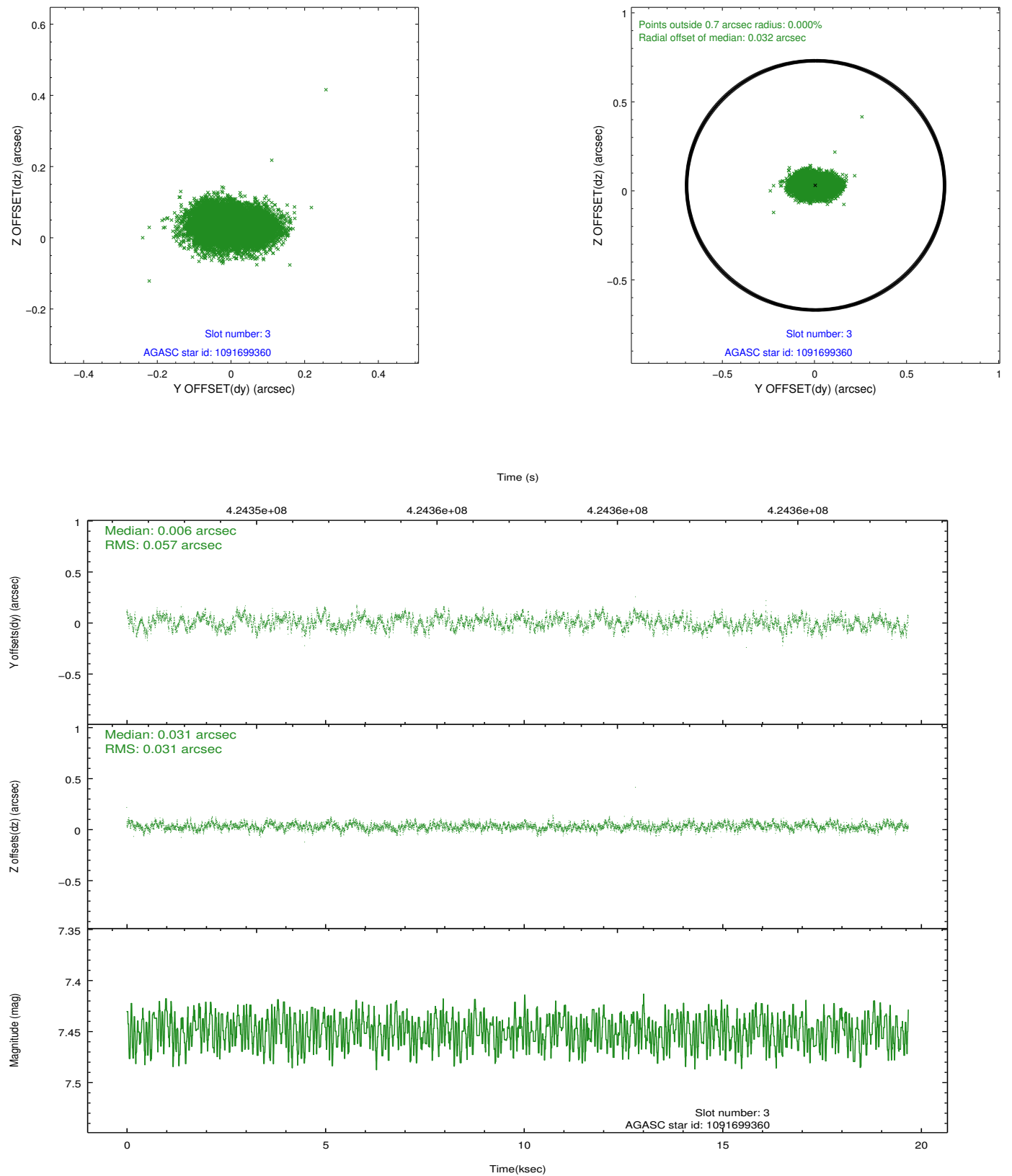


Slot Statistics

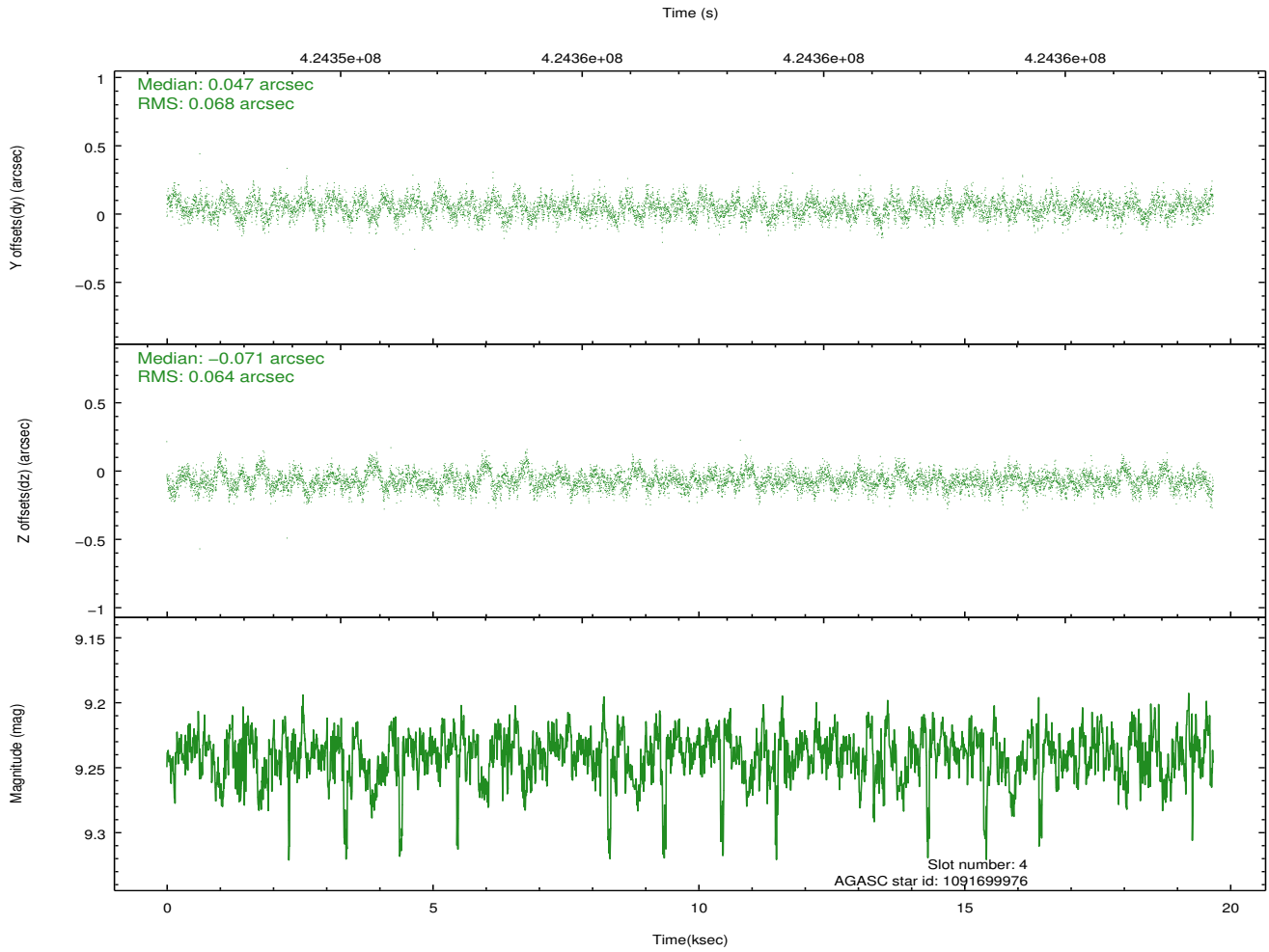
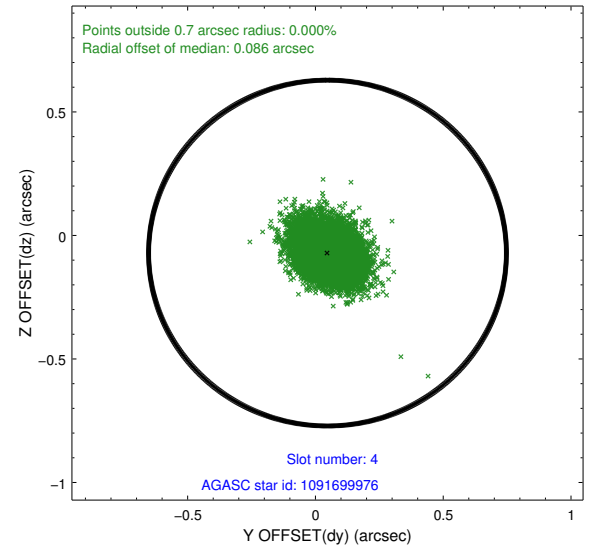
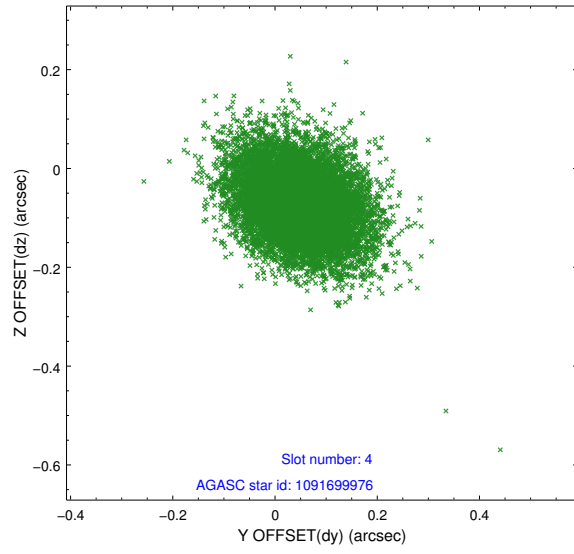
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	4800	0.072	-0.005	0.008	0.014	0.000000	0.000000	926.03	-837.87
1	FID	ACIS-I-2	6.99	4800	-0.057	-0.039	0.010	0.019	0.000000	0.000000	-768.08	-844.53
2	FID	ACIS-I-5	7.07	4800	-0.108	0.116	0.009	0.016	0.000000	0.000000	-1822.61	1059.49
3	GUIDE	1091699360	7.45	9597	0.006	0.031	0.068	0.113	248.660725	-47.004364	-1676.68	-355.86
4	GUIDE	1091699976	9.24	9560	0.047	-0.071	0.098	0.161	249.617486	-47.776281	1666.57	-1763.63
5	GUIDE	1091705016	7.82	9600	-0.134	0.033	0.053	0.085	249.888030	-47.558250	1899.73	-767.65
6	GUIDE	1091709408	9.21	9594	0.071	-0.064	0.113	0.175	249.304466	-47.312562	232.68	-619.80
7	GUIDE	1091709768	7.72	9599	0.005	0.066	0.067	0.110	249.435228	-47.706899	1160.43	-1740.45

2.4 Star Slots

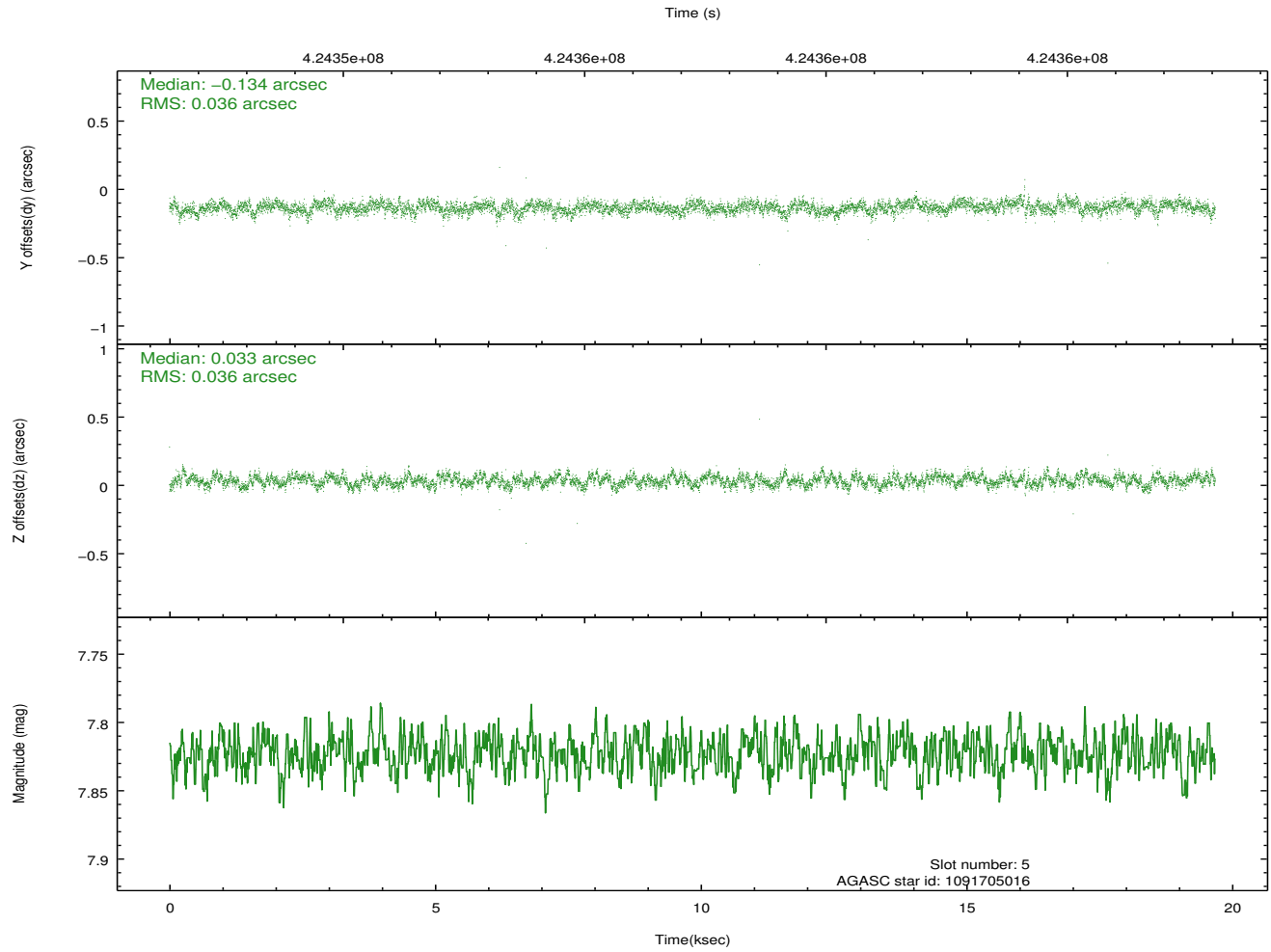
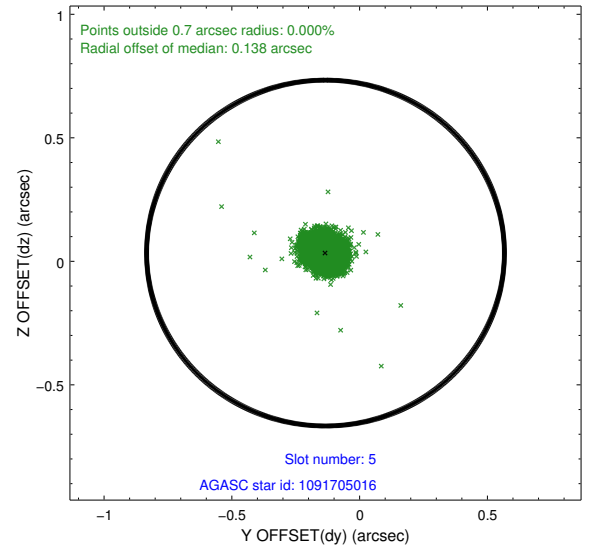
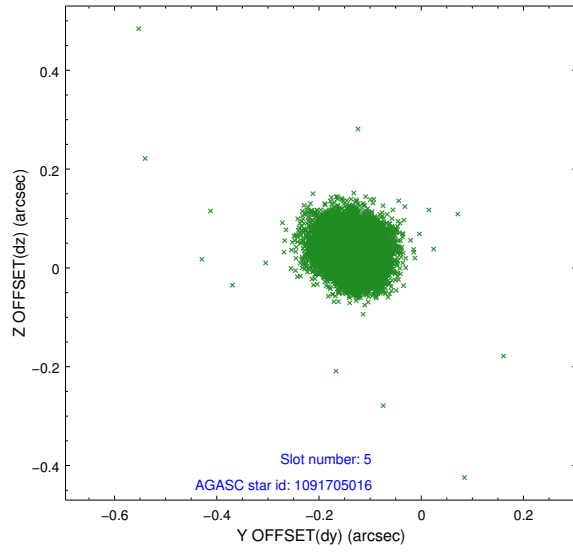
2.4.1 Slot 3



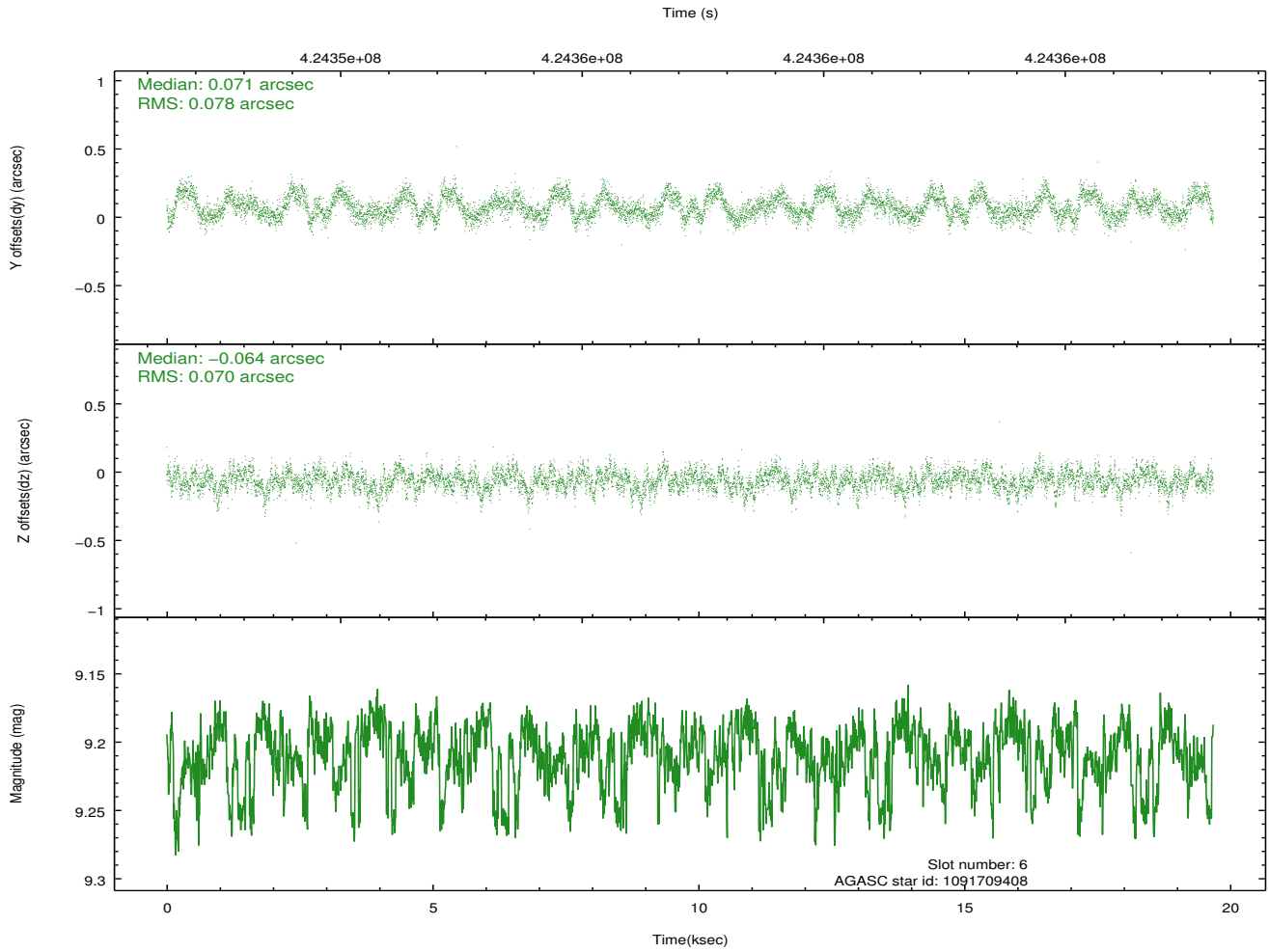
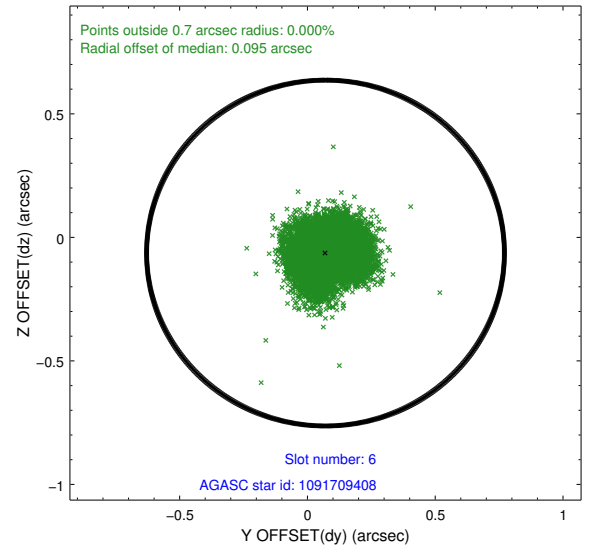
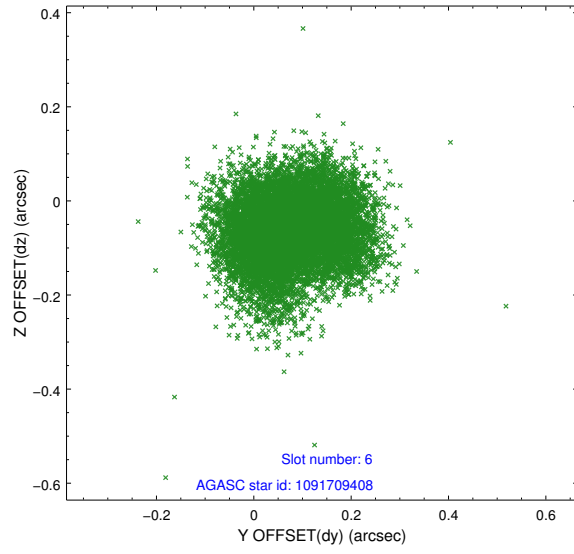
2.4.2 Slot 4



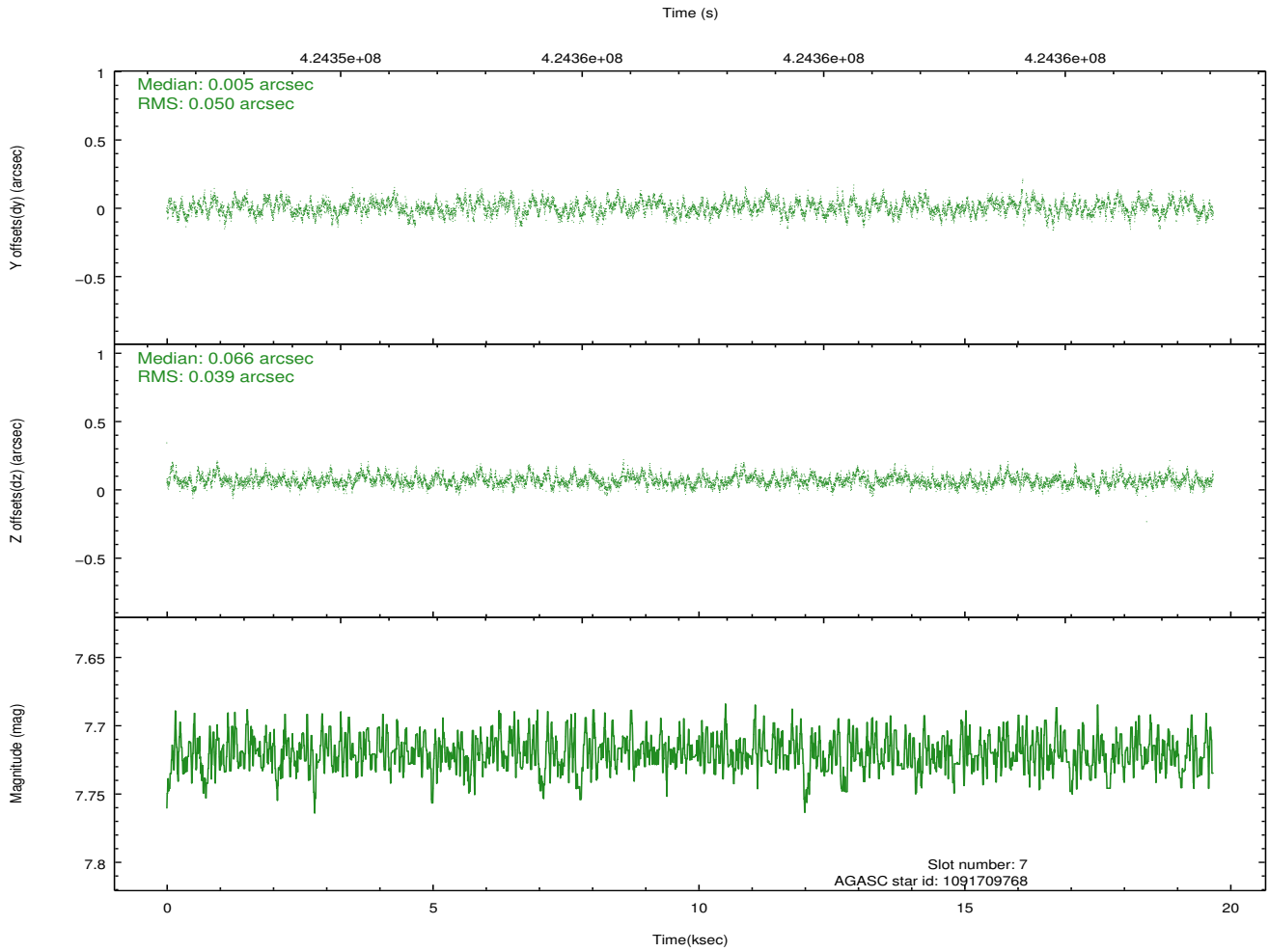
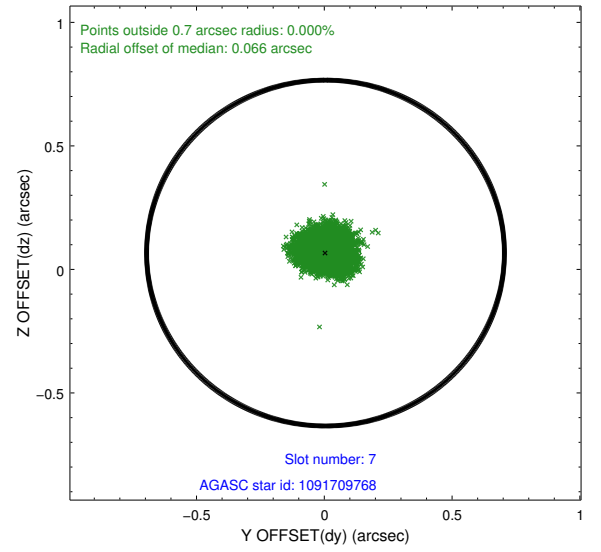
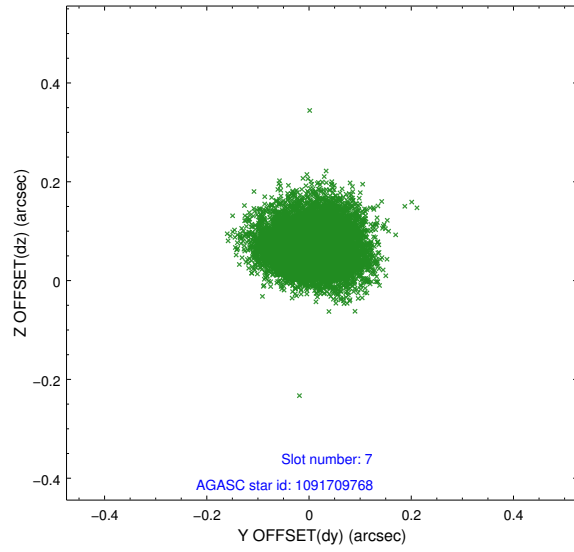
2.4.3 Slot 5



2.4.4 Slot 6

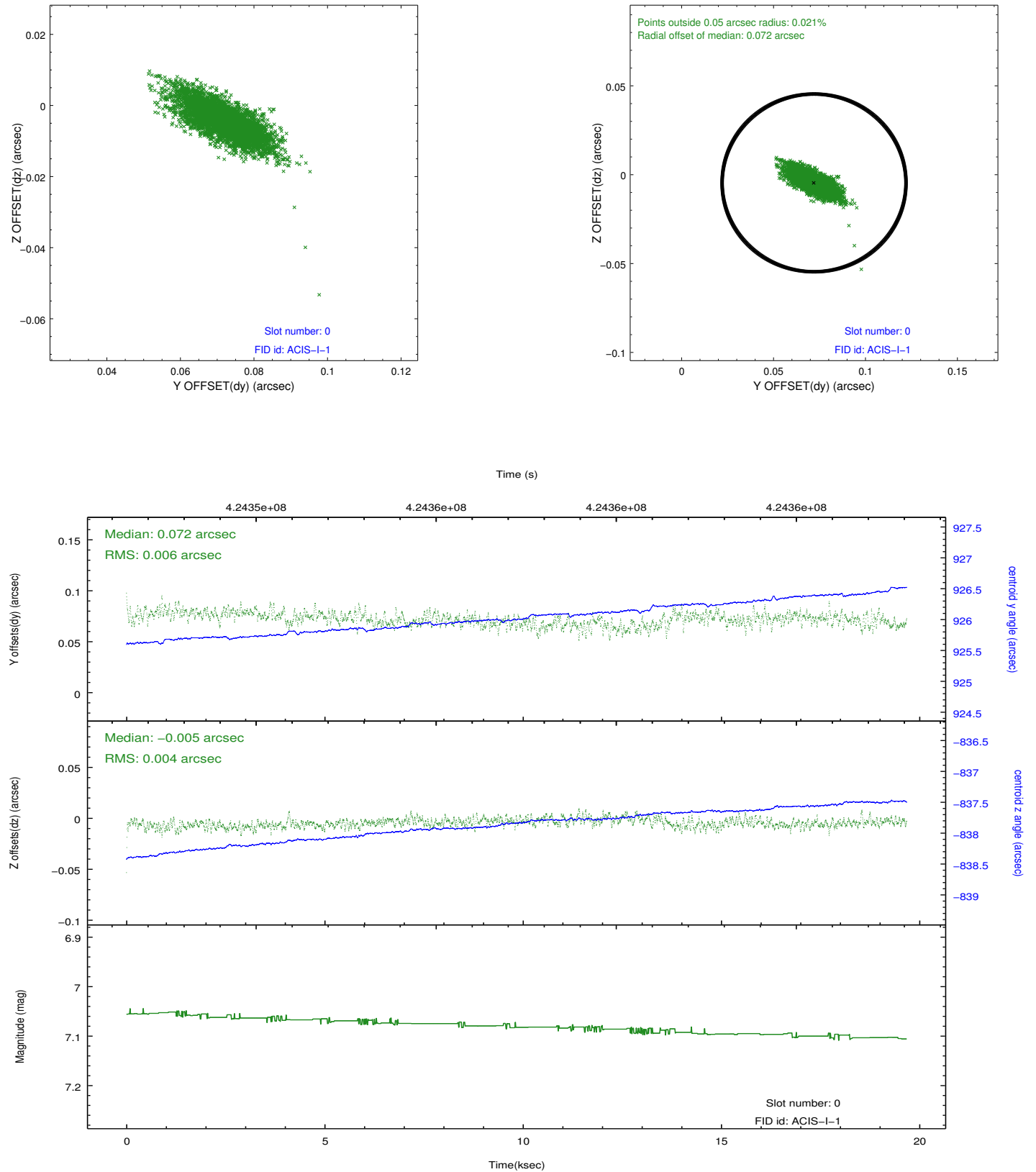


2.4.5 Slot 7

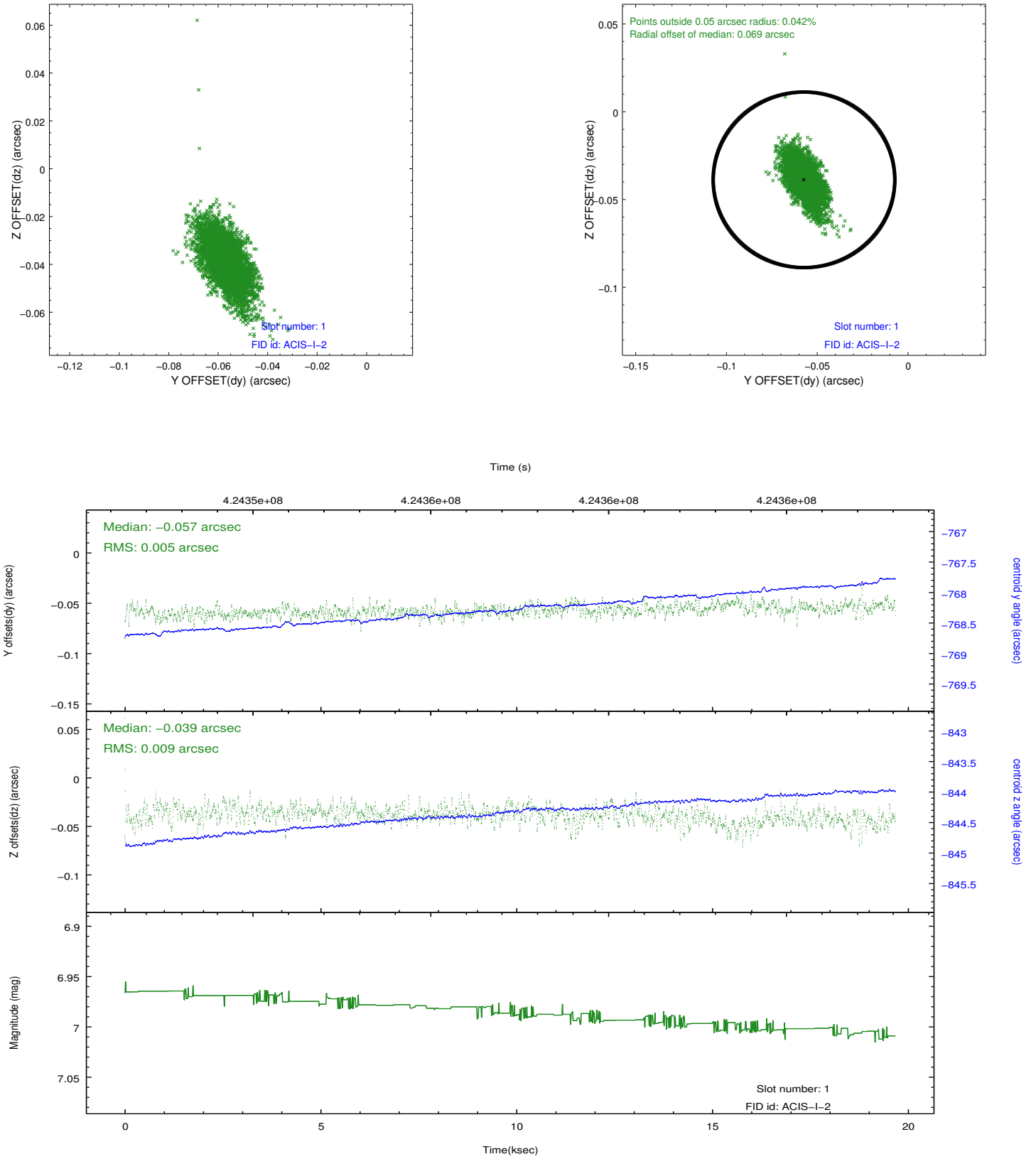


2.5 FID Slots

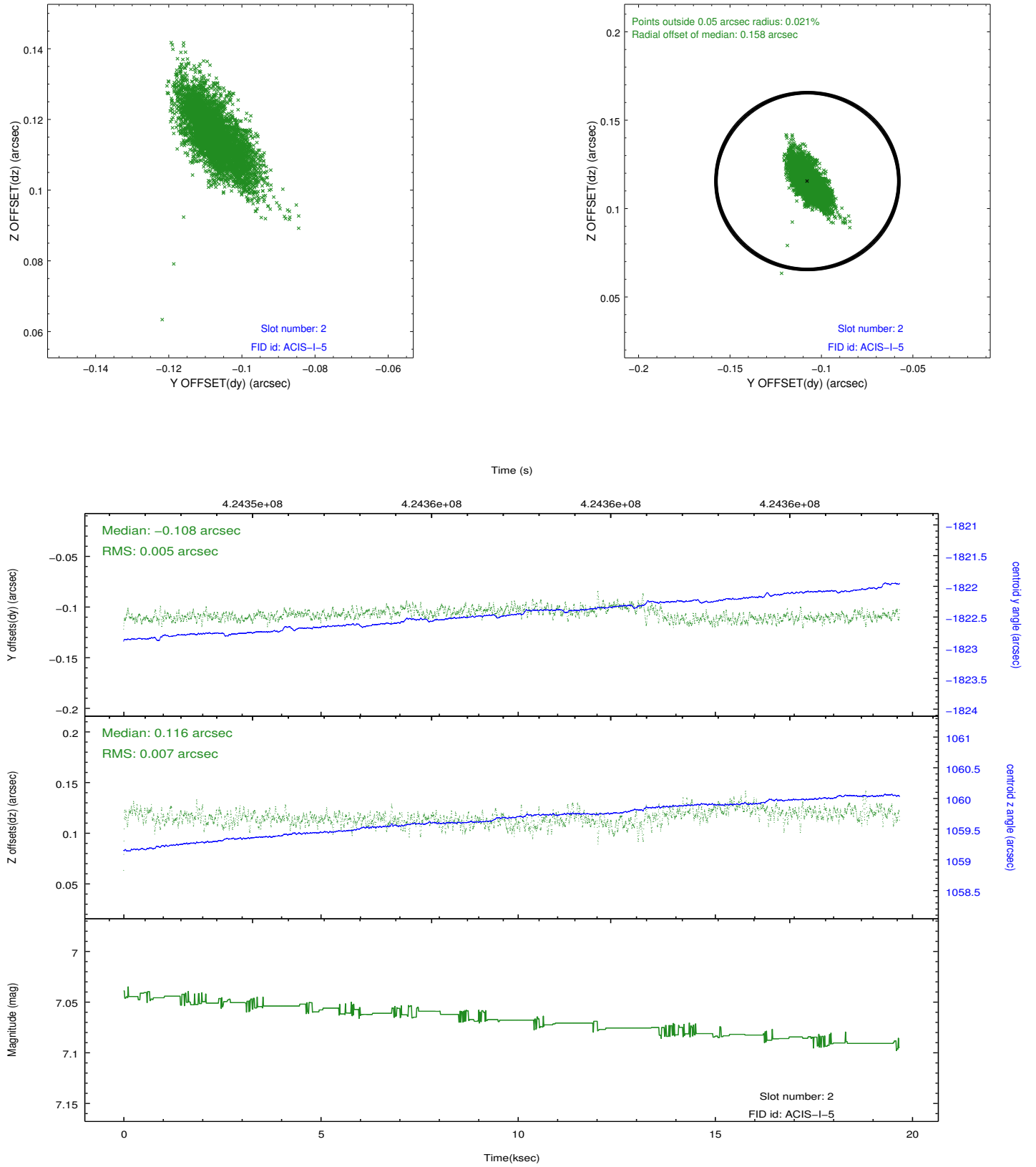
2.5.1 Slot 0



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	19.254399928331

A.2 Comments

Joint Proposal: NOAO