

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7035 - L2 Version 2
Chandra X-Ray Center

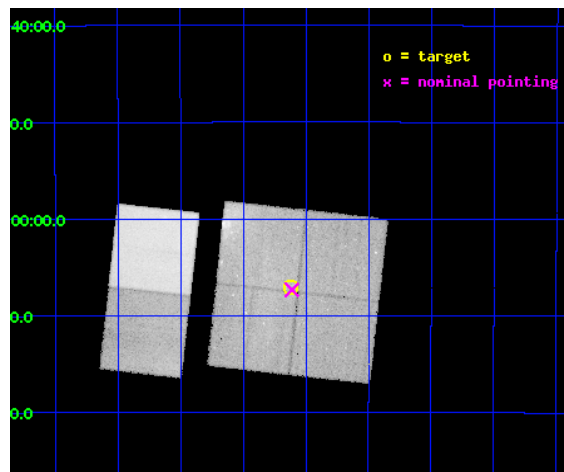
L2 Processing Date : Apr 6 2012

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1 Front

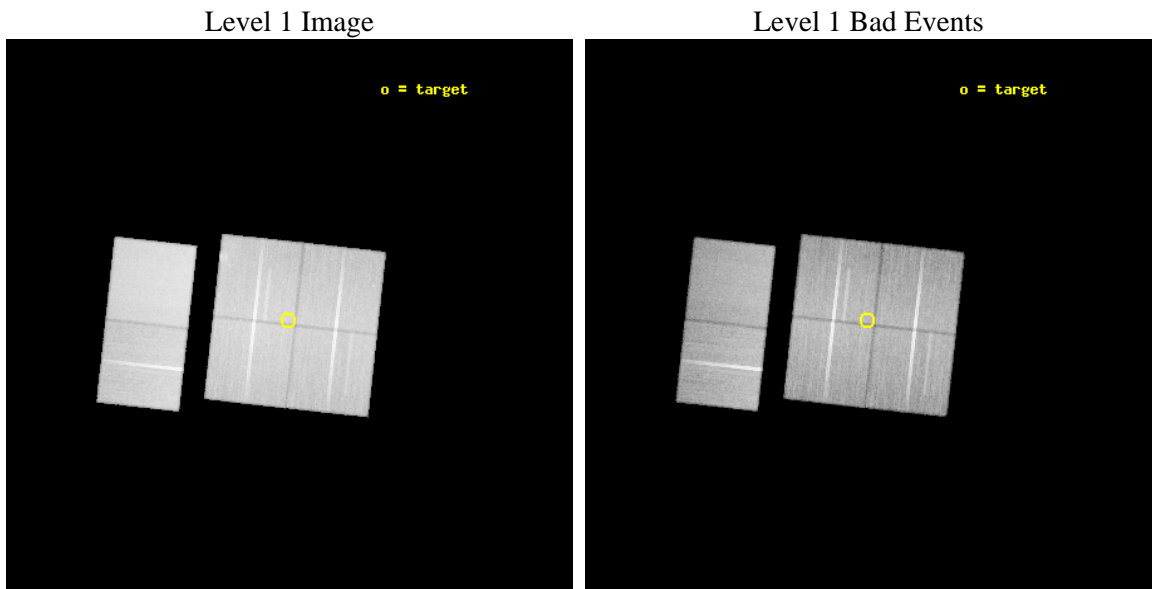
seq_num	900451	Sequence number
obs_id	7035	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.279583	Observer's specified target RA [deg]
dec_targ	-29.117694	Observer's specified target Dec [deg]
ra_nom	266.27807697329	Nominal RA [deg]
dec_nom	-29.122137186776	Nominal Dec [deg]
roll_nom	276.30035382003	Nominal Roll [deg]
revision	2	Processing version of data
ontime	38453.2724877	Sum of GTIs [s]
livetime	37966.35399768	Livetime [s]
ontime0	38453.14936769	Sum of GTIs [s]
ontime1	38453.190407693	Sum of GTIs [s]
ontime2	38453.231447697	Sum of GTIs [s]
ontime3	38453.2724877	Sum of GTIs [s]
ontime6	38453.354567707	Sum of GTIs [s]
ontime7	38453.313527703	Sum of GTIs [s]
l2events	483974	Number of level 2 events



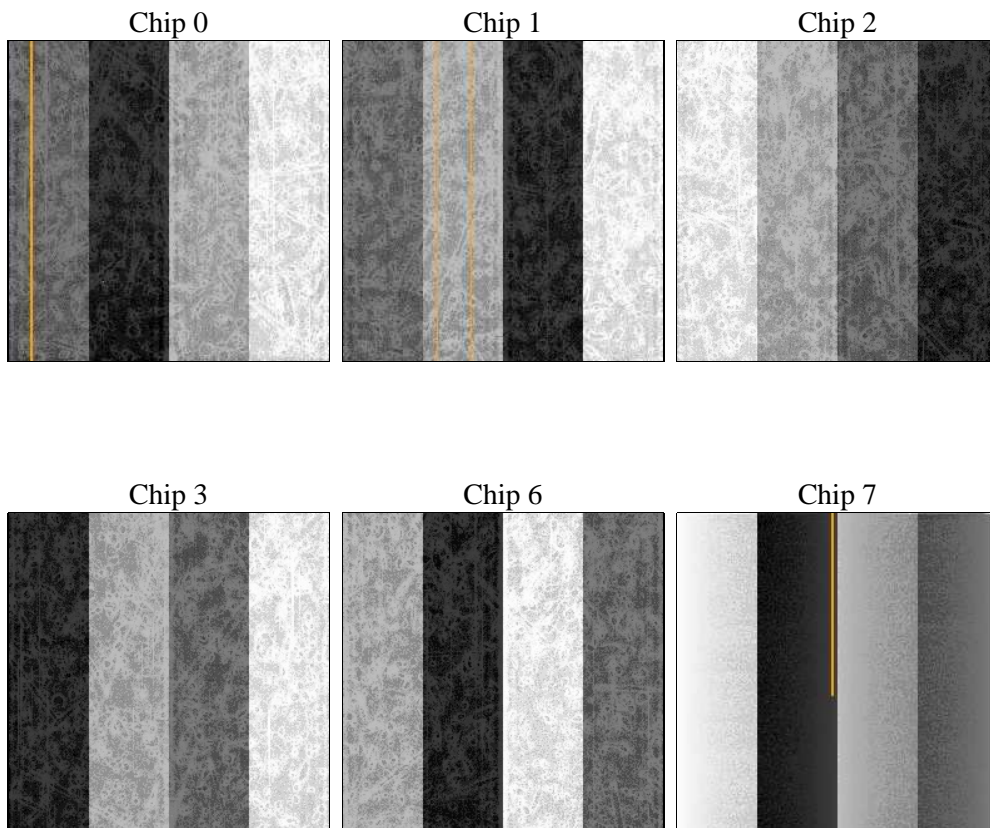
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	38453.2724877	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	38453.14936769	Sum of GTIs [s]
date	2012-04-06T03:40:59	Date and time of file creation	ontime1	38453.190407693	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	38453.231447697	Sum of GTIs [s]
			ontime3	38453.2724877	Sum of GTIs [s]
			ontime6	38453.354567707	Sum of GTIs [s]
			ontime7	38453.313527703	Sum of GTIs [s]
			l1events	2294260	Number of level 1 events

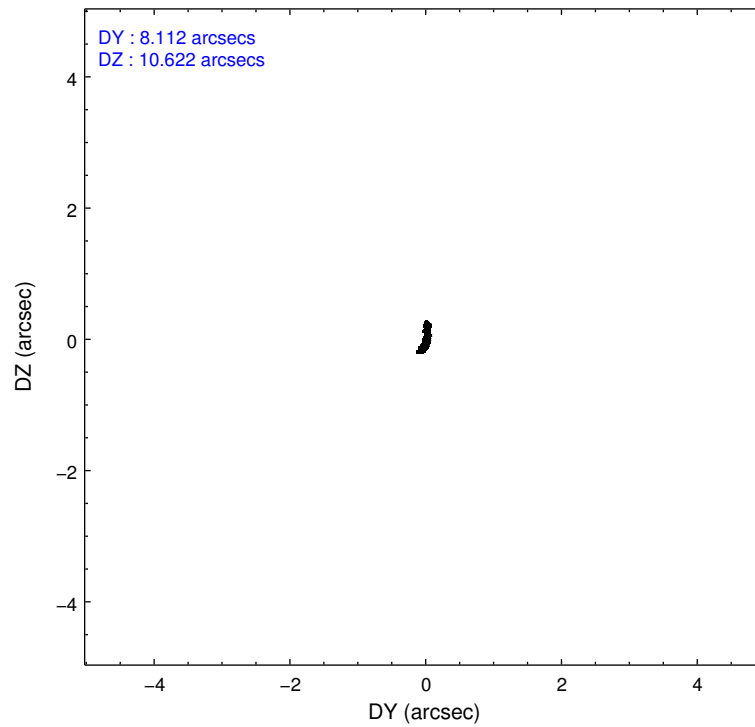
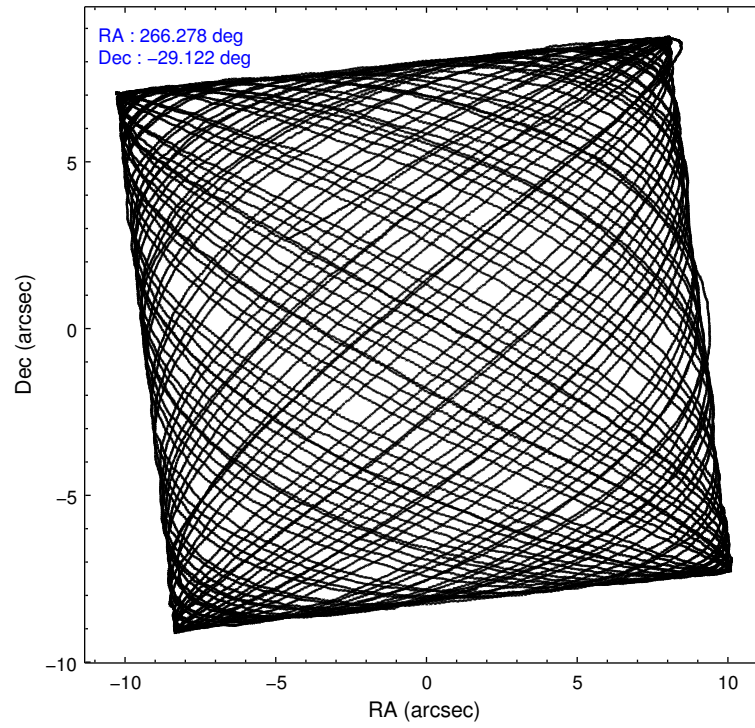
2.1.4 Events

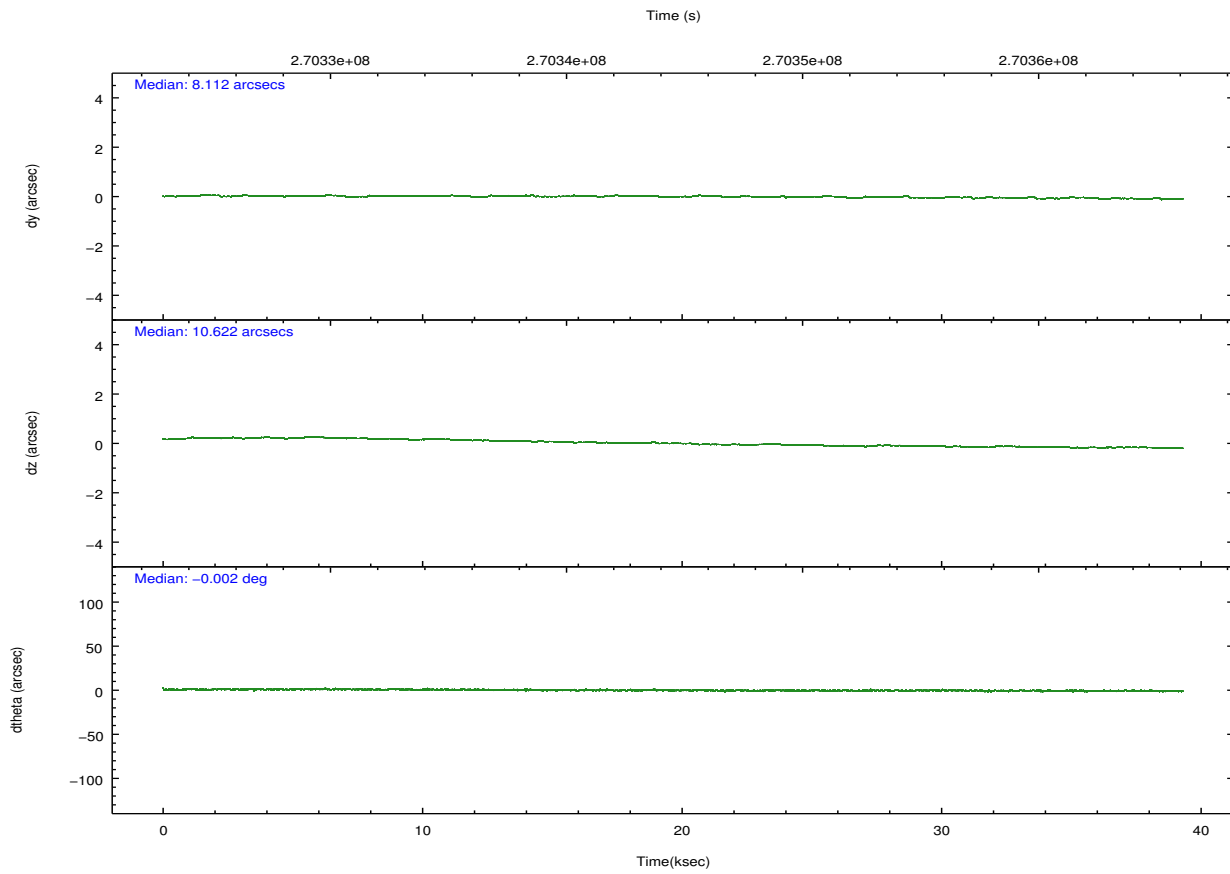
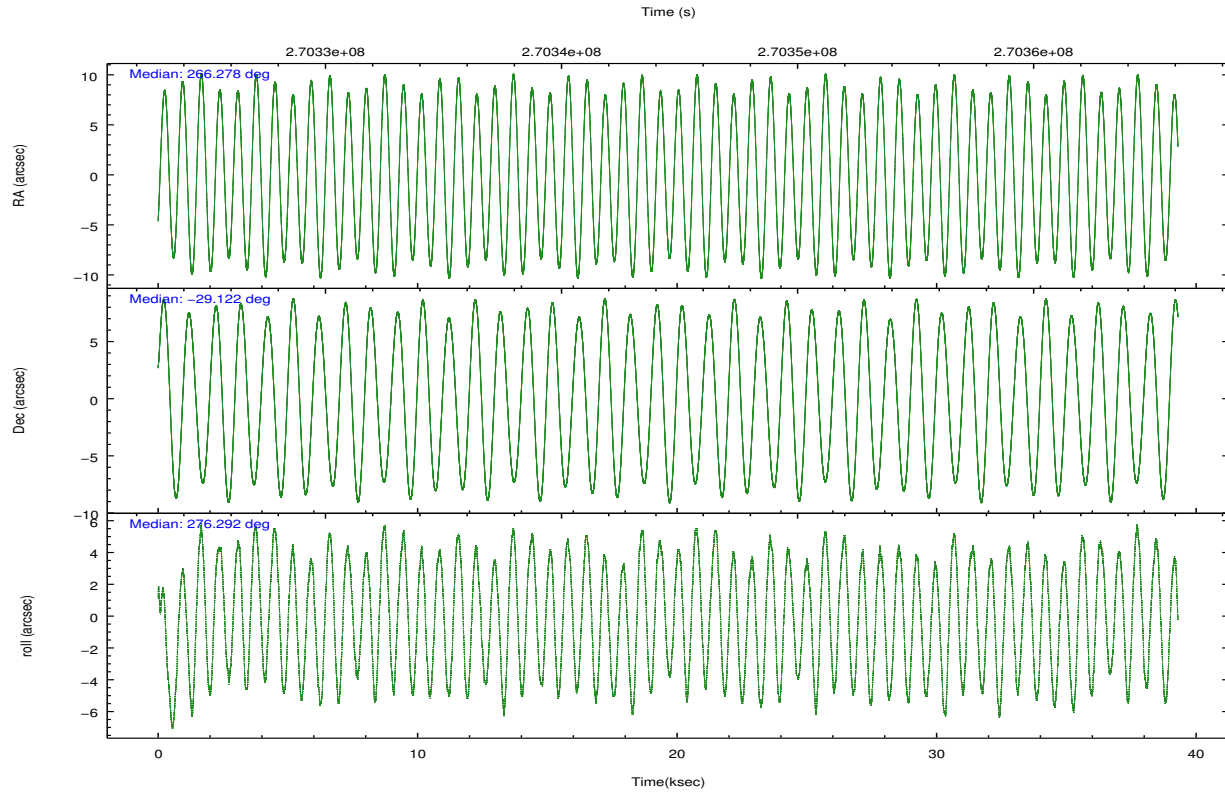
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	336503	333340	372133	378849	375613	497822	grade 0 events	25118	25279	32540	42251	27080	21464
rejected events	283698	276980	311298	303244	319133	277860		7%	7%	8%	11%	7%	4%
rejected %	84%	83%	83%	80%	84%	55%	grade 1 events	234	246	338	384	234	468
								0%	0%	0%	0%	0%	0%
							grade 2 events	10714	11781	10805	12616	11199	45382
								3%	3%	2%	3%	2%	9%
							grade 3 events	4439	4780	4763	5560	4515	19253
								1%	1%	1%	1%	1%	3%
							grade 4 events	4347	4735	4729	5534	4477	19429
								1%	1%	1%	1%	1%	3%
							grade 5 events	13646	14762	13044	15872	16668	44710
								4%	4%	3%	4%	4%	8%
							grade 6 events	8189	9790	8002	9652	9212	114442
								2%	2%	2%	2%	2%	22%
							grade 7 events	269816	261967	297912	286980	302228	232674
								80%	78%	80%	75%	80%	46%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.259403	266.2780769732905	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.100137	-29.12213718677625	Alternating exposures requested	N	N
[deg] Pointing Roll	276.082580	276.3003538200263	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	270325664.184000	270324394.98578			
Observation start date	2006-07-26T18:26:39	2006-07-26T18:06:34			
[s] Observation end time (MET)	270364164.184000	270364298.23765			
Observation end date	2006-07-27T05:08:19	2006-07-27T05:11:38			
Read mode	TIMED	TIMED			

2.3 Aspect





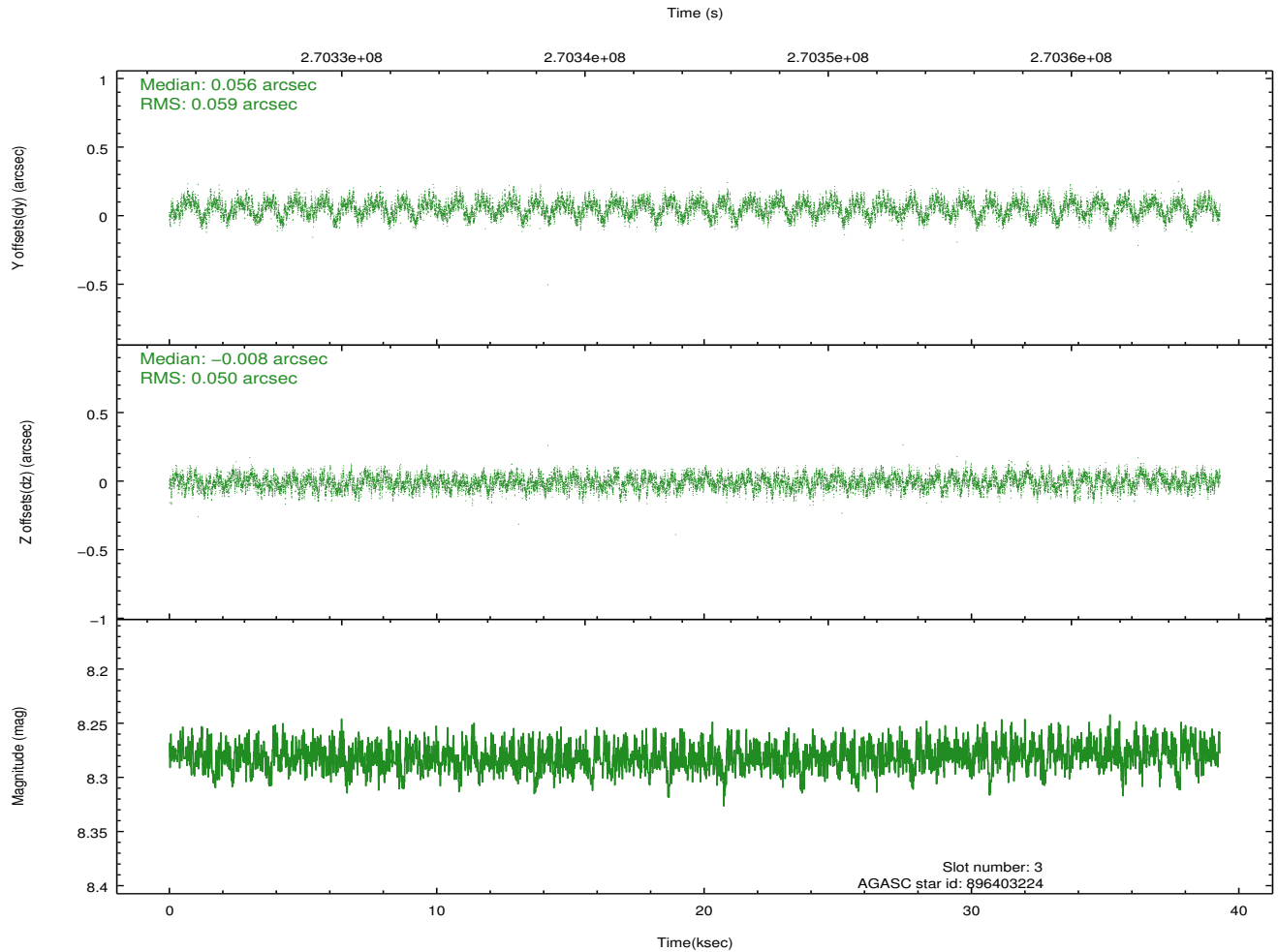
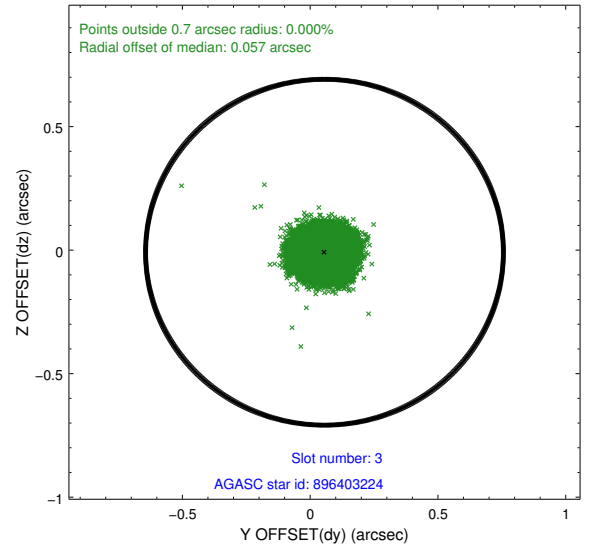
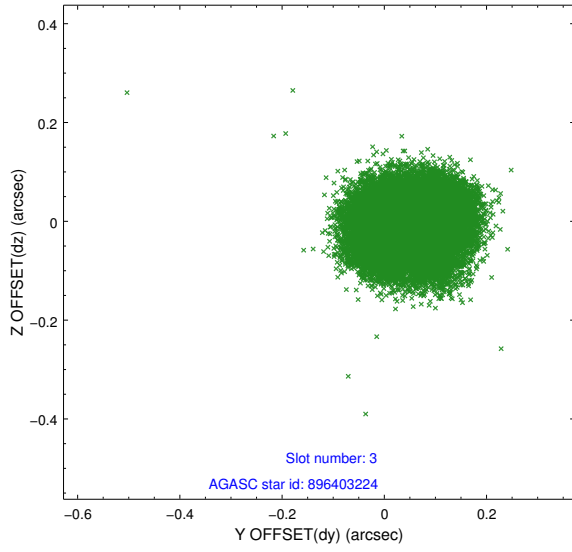
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9583	0.038	-0.038	0.011	0.018	0.000000	0.000000	931.58	-834.17
1	FID	ACIS-I-5	7.23	9585	-0.186	0.043	0.007	0.013	0.000000	0.000000	-1816.73	1063.41
2	FID	ACIS-I-6	7.25	9584	0.057	0.065	0.009	0.014	0.000000	0.000000	397.14	1707.94
3	GUIDE	896403224	8.28	19166	0.056	-0.008	0.085	0.126	265.612825	-29.438915	1004.35	-2145.30
4	GUIDE	896537176	8.02	19162	0.015	0.041	0.054	0.087	266.498272	-28.678259	-1429.27	910.86
5	GUIDE	896537776	7.53	19168	0.015	-0.048	0.041	0.069	266.655684	-29.665673	2158.03	1017.15
6	GUIDE	896540808	7.48	19169	-0.011	-0.013	0.048	0.076	265.985401	-29.308604	656.67	-934.71
7	GUIDE	896538840	8.93	19152	-0.071	0.029	0.099	0.159	266.920426	-28.466925	-2038.80	2321.05

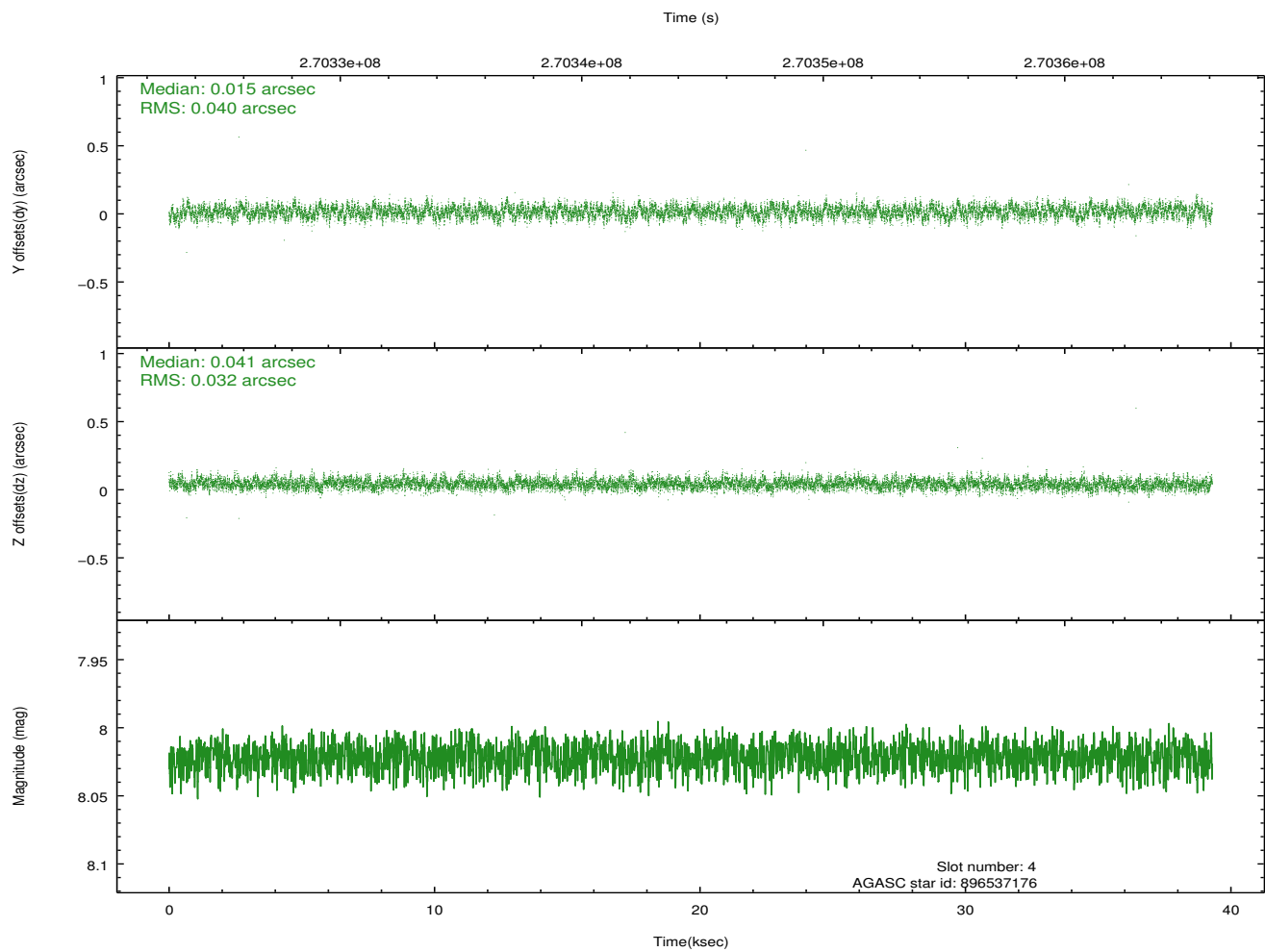
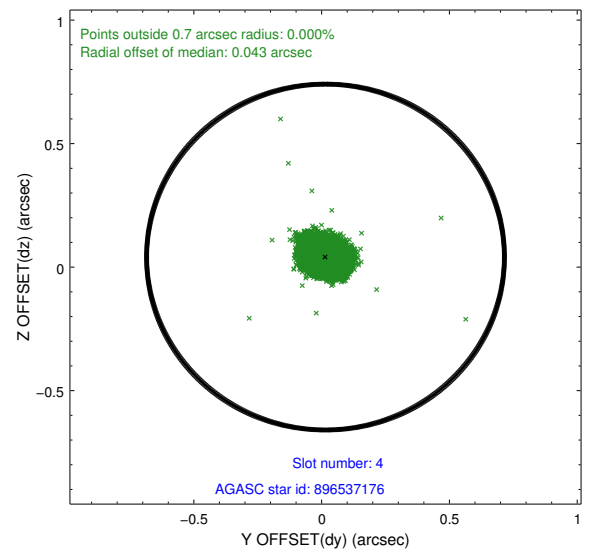
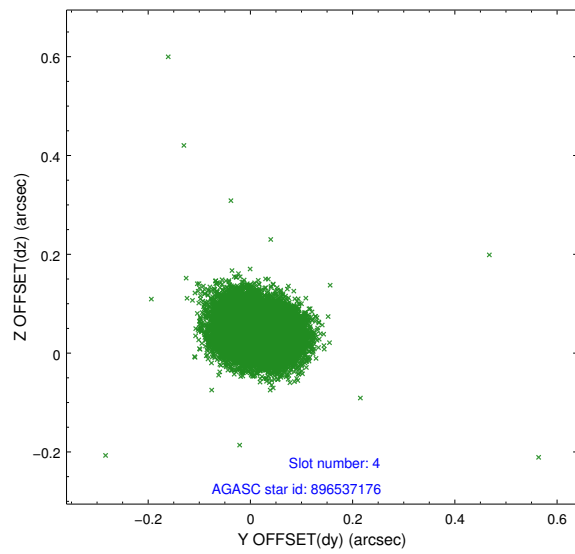
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2.4 Star Slots

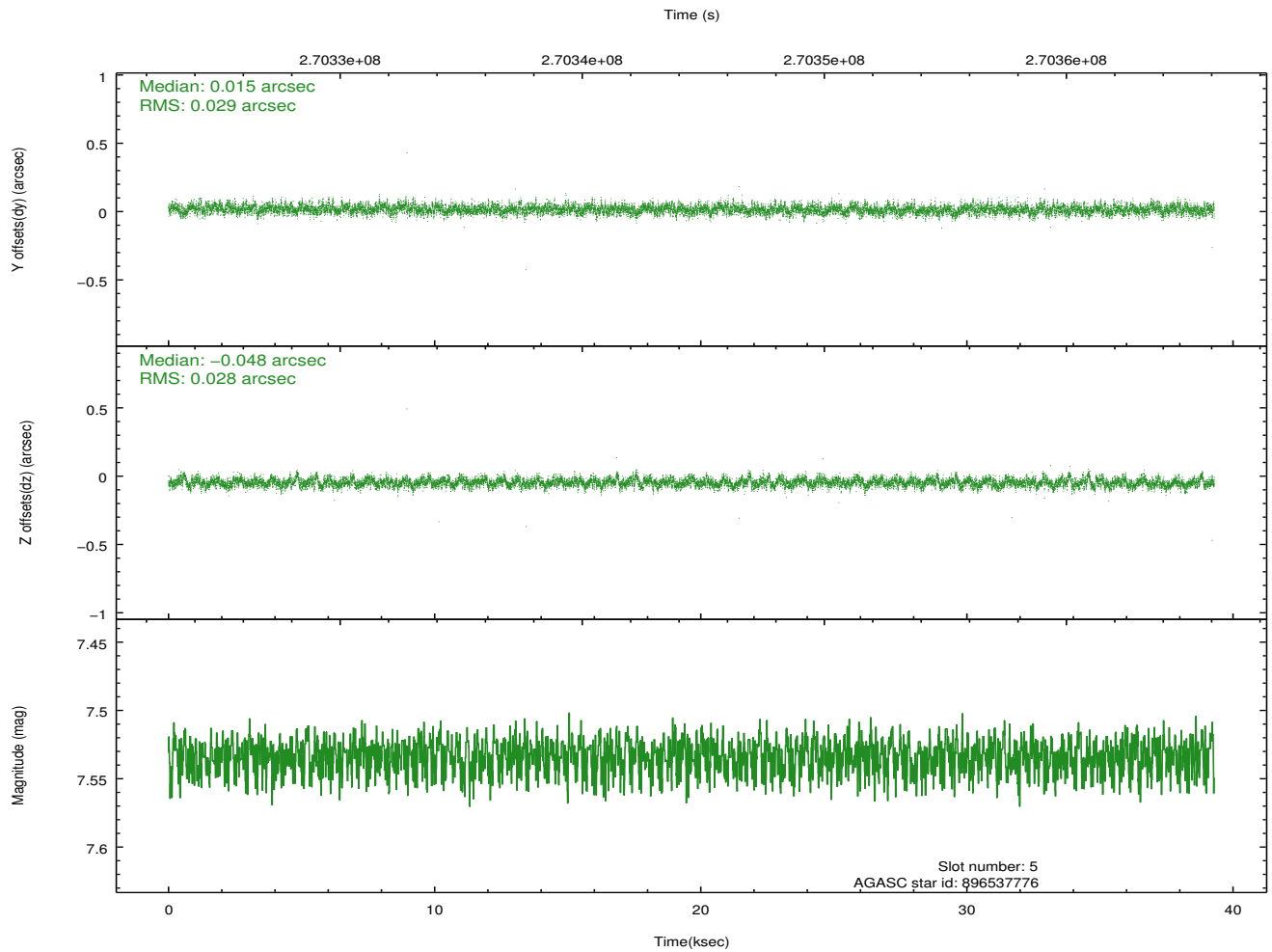
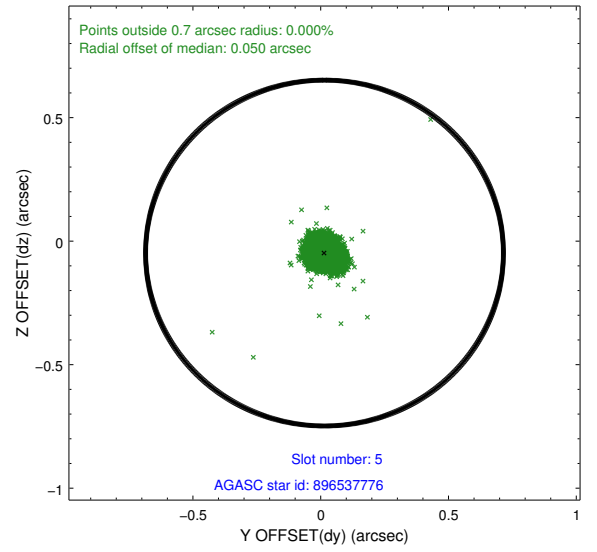
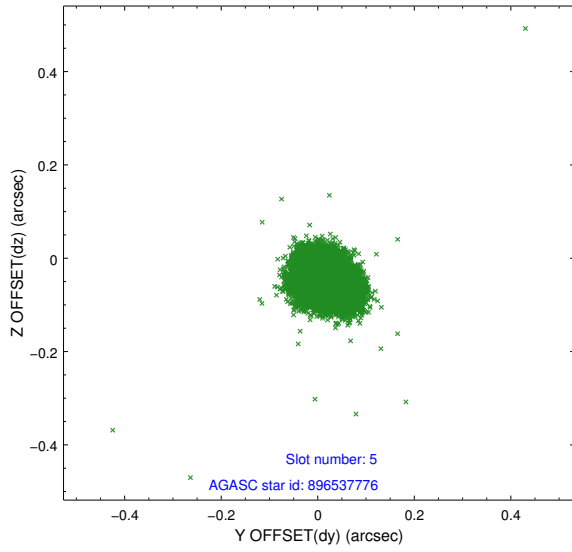
2.4.1 Slot 3



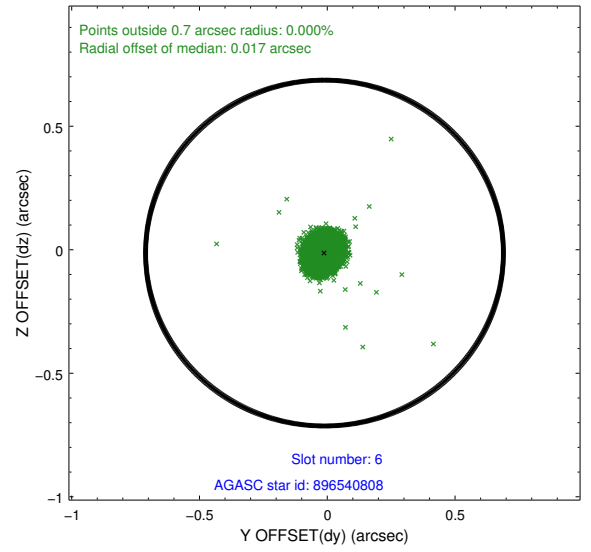
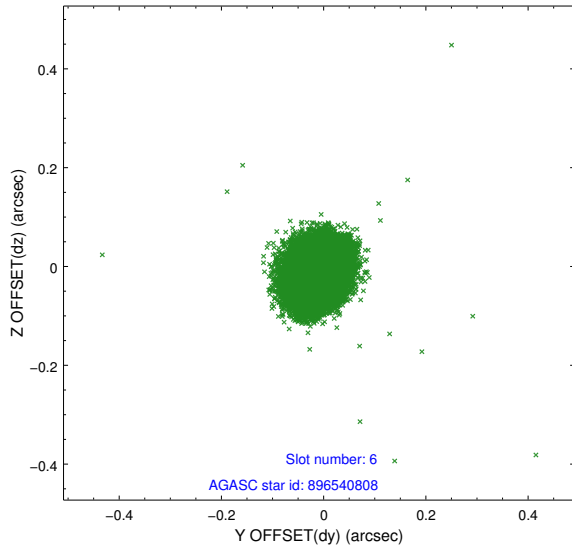
2.4.2 Slot 4



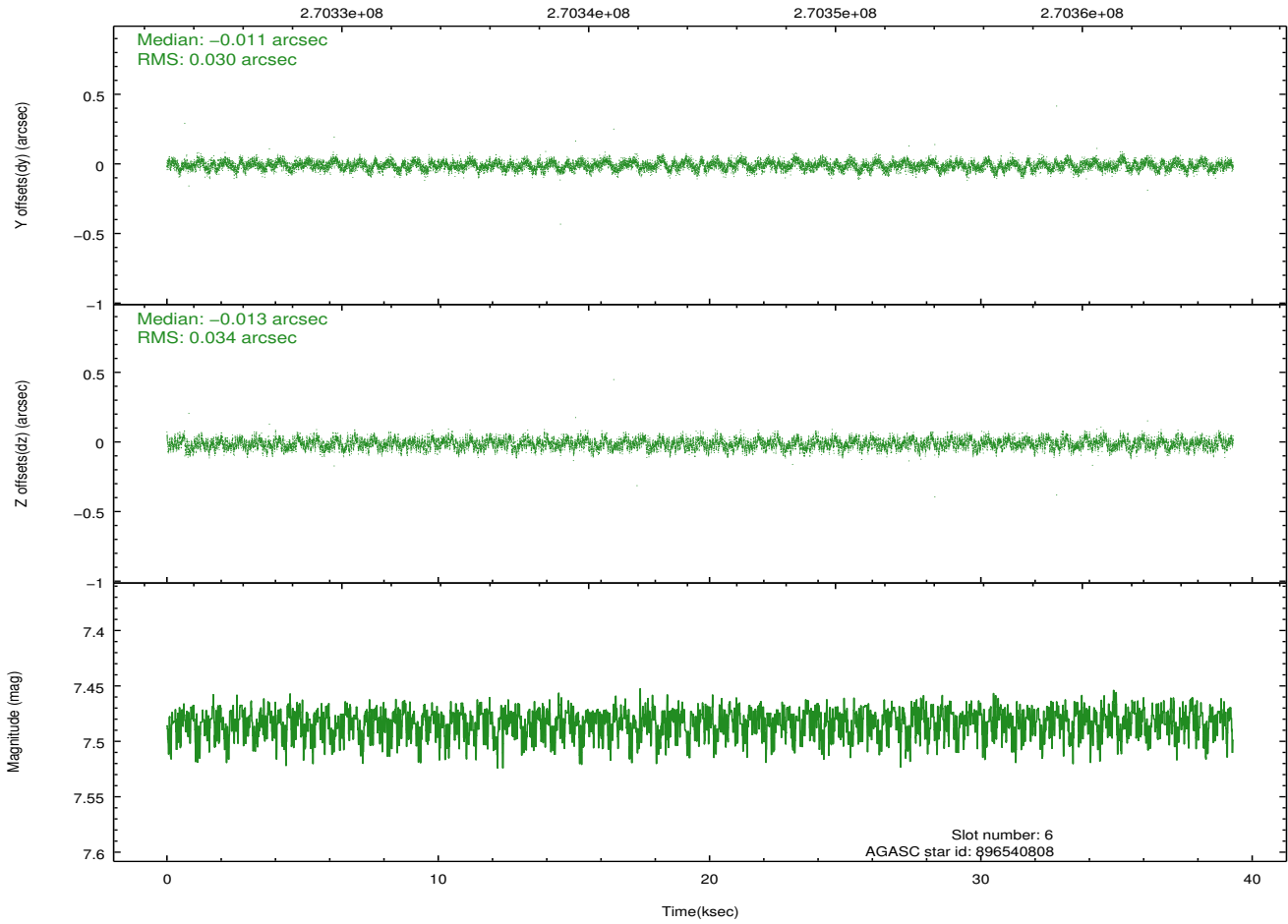
2.4.3 Slot 5



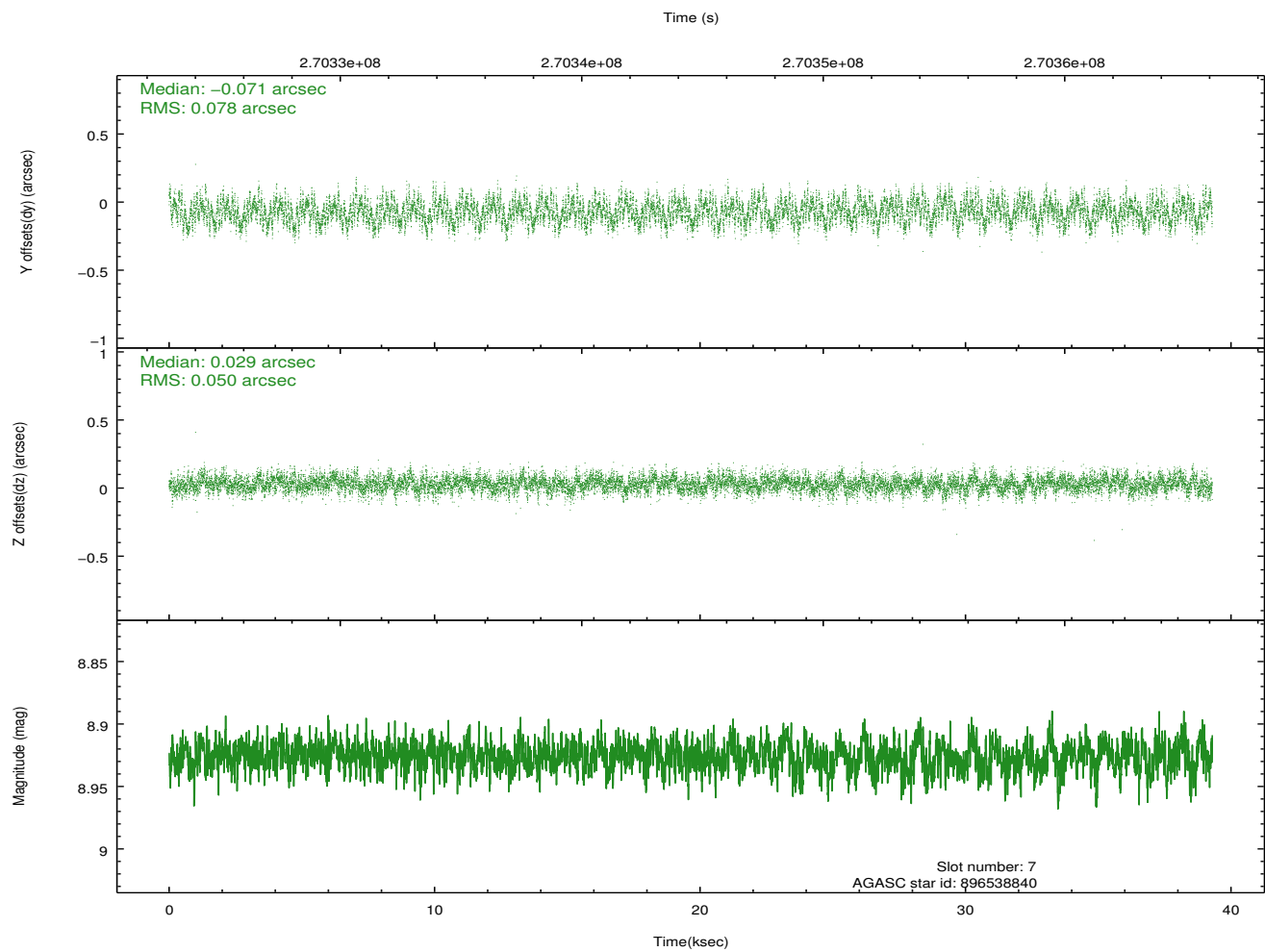
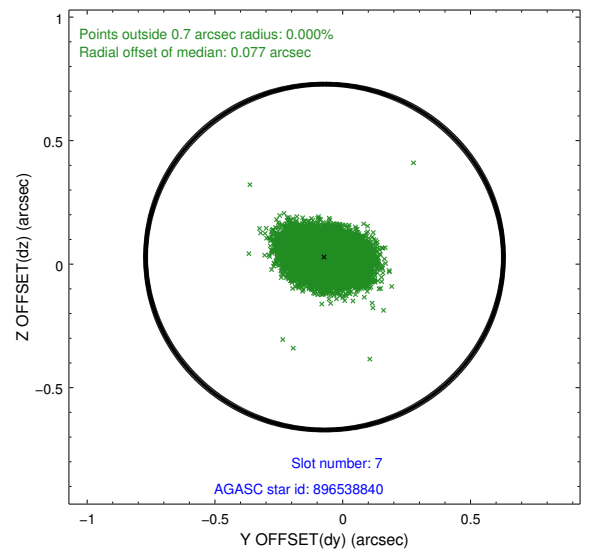
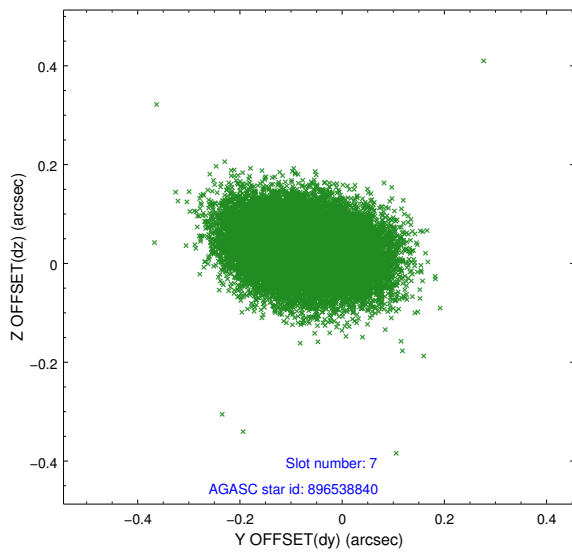
2.4.4 Slot 6



Time (s)

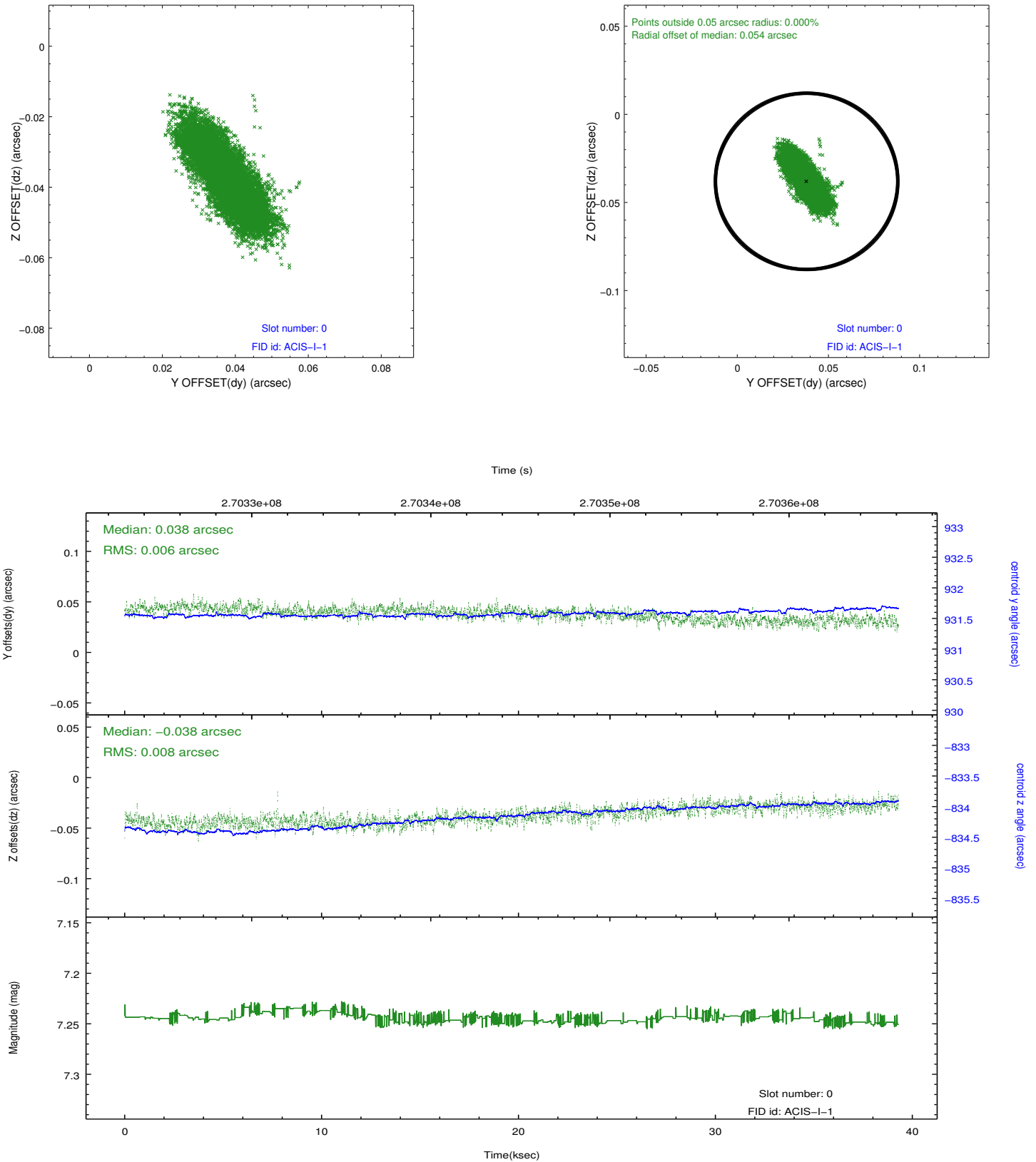


2.4.5 Slot 7

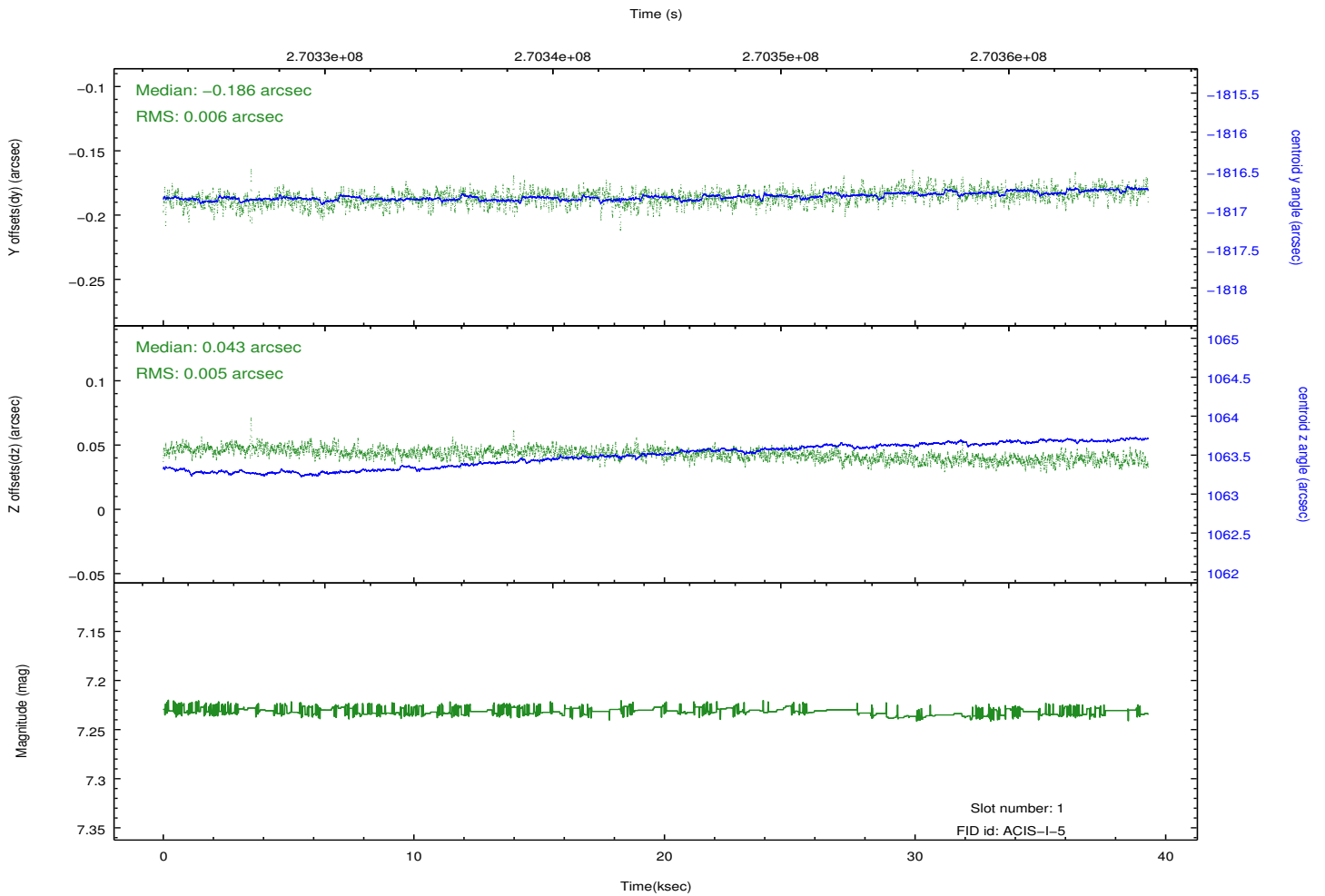
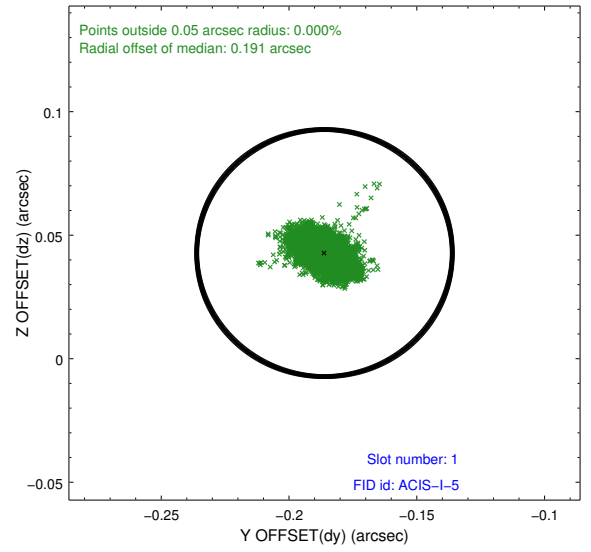
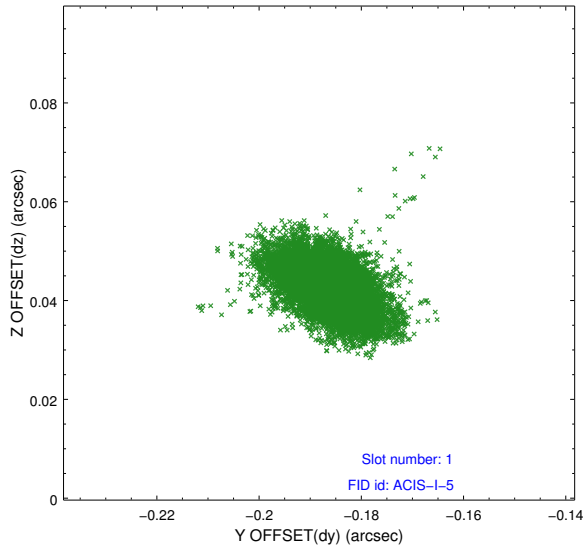


2.5 FID Slots

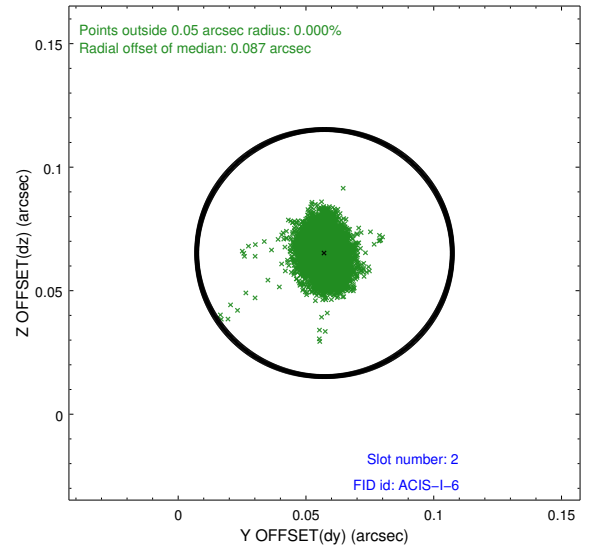
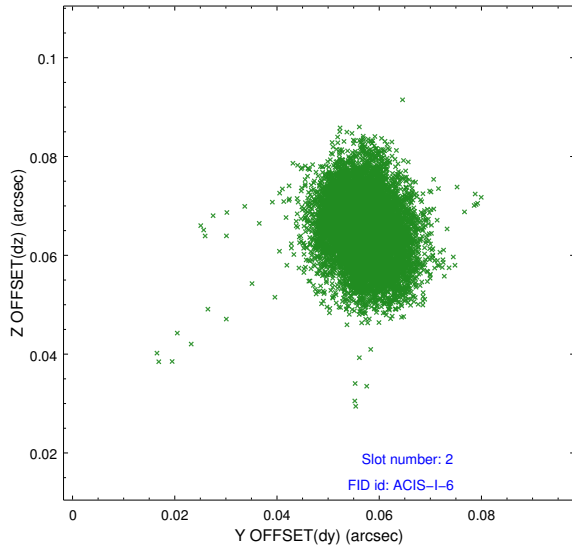
2.5.1 Slot 0



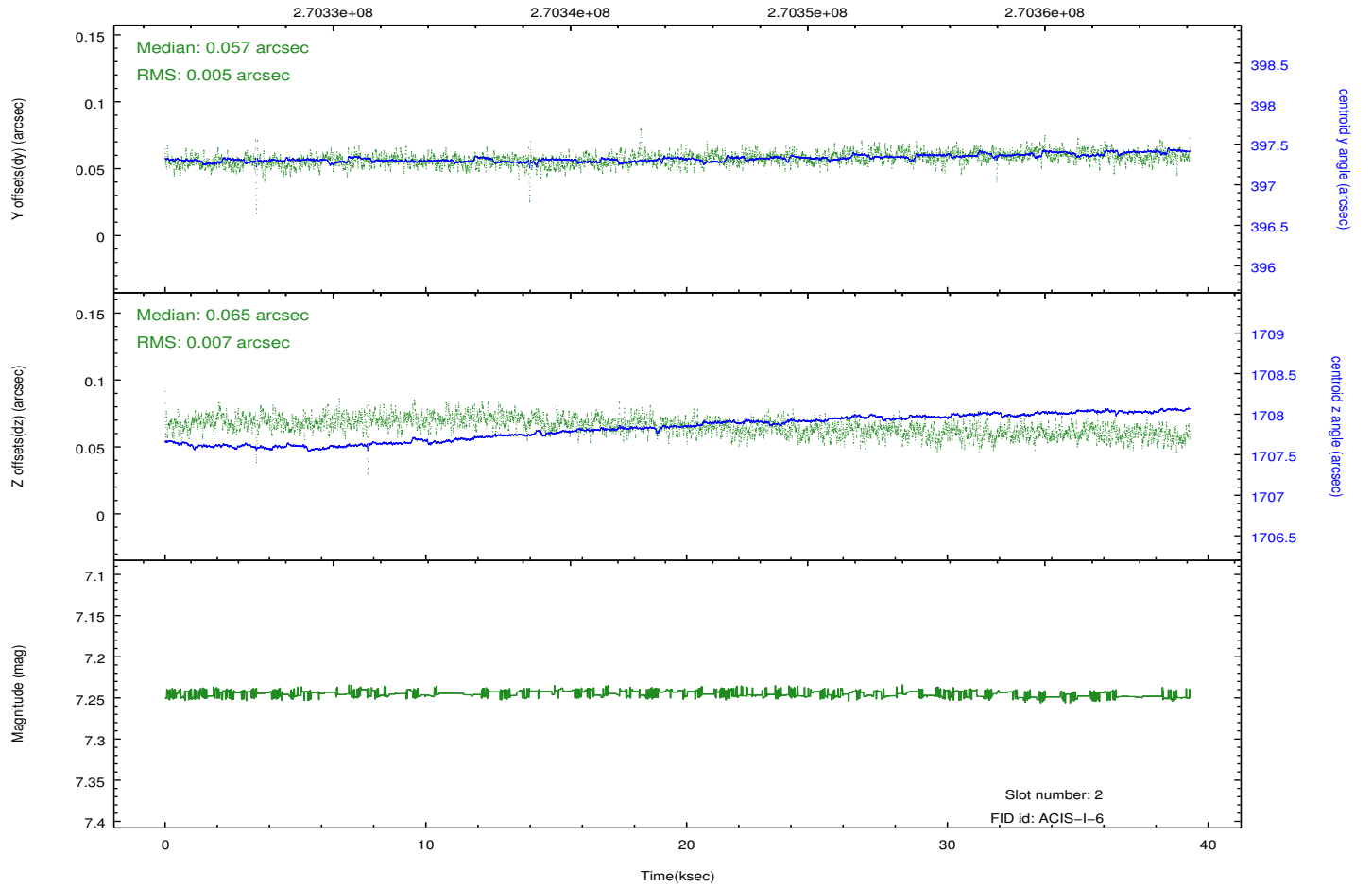
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.4543998

A.2 Comments