

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7048 - L2 Version 3
Chandra X-Ray Center

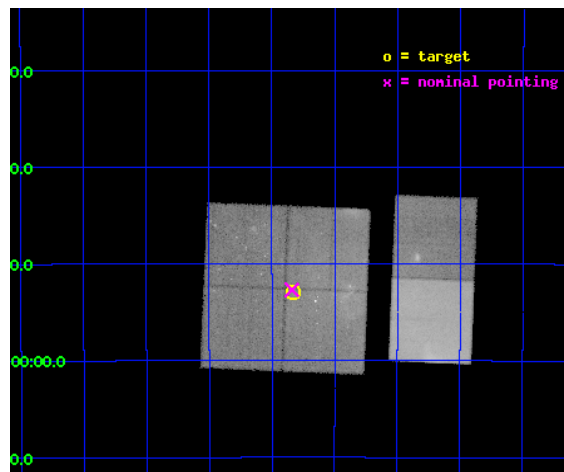
L2 Processing Date : Apr 20 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

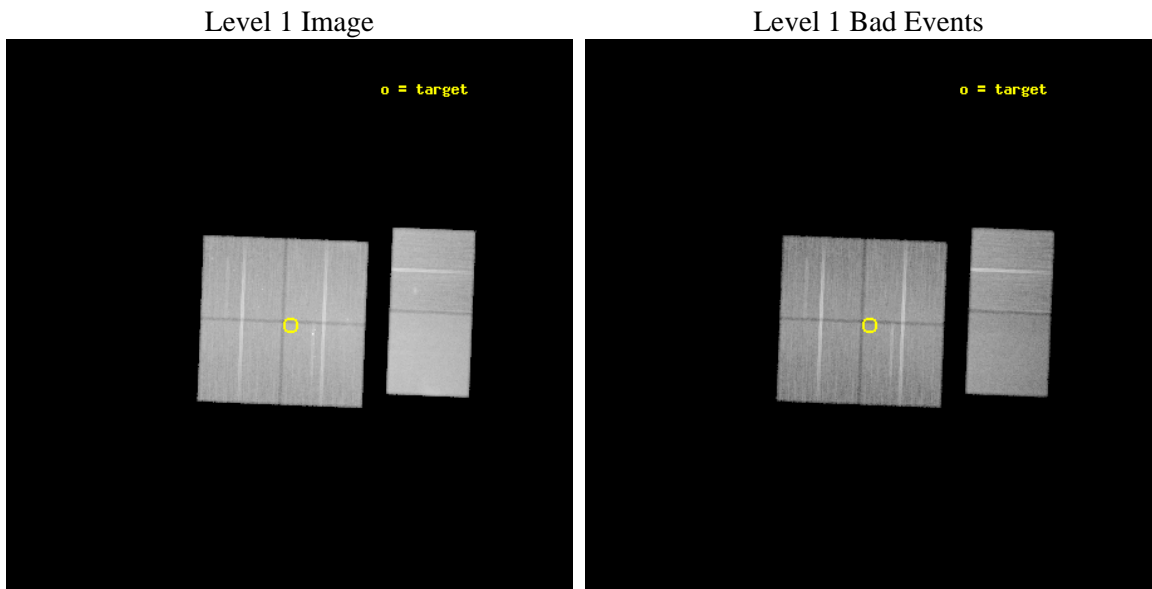
seq_num	900464	Sequence number
obs_id	7048	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 27	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.708333	Observer's specified target RA [deg]
dec_targ	-28.882611	Observer's specified target Dec [deg]
ra_nom	266.71012777326	Nominal RA [deg]
dec_nom	-28.878169813622	Nominal Dec [deg]
roll_nom	92.288634938535	Nominal Roll [deg]
revision	3	Processing version of data
ontime	38687.999855936	Sum of GTIs [s]
livetime	38198.109106643	Livetime [s]
ontime0	38687.999855936	Sum of GTIs [s]
ontime1	38687.999855936	Sum of GTIs [s]
ontime2	38684.758885562	Sum of GTIs [s]
ontime3	38687.999855936	Sum of GTIs [s]
ontime6	38687.999855936	Sum of GTIs [s]
ontime7	38687.999855936	Sum of GTIs [s]
l2events	539288	Number of level 2 events



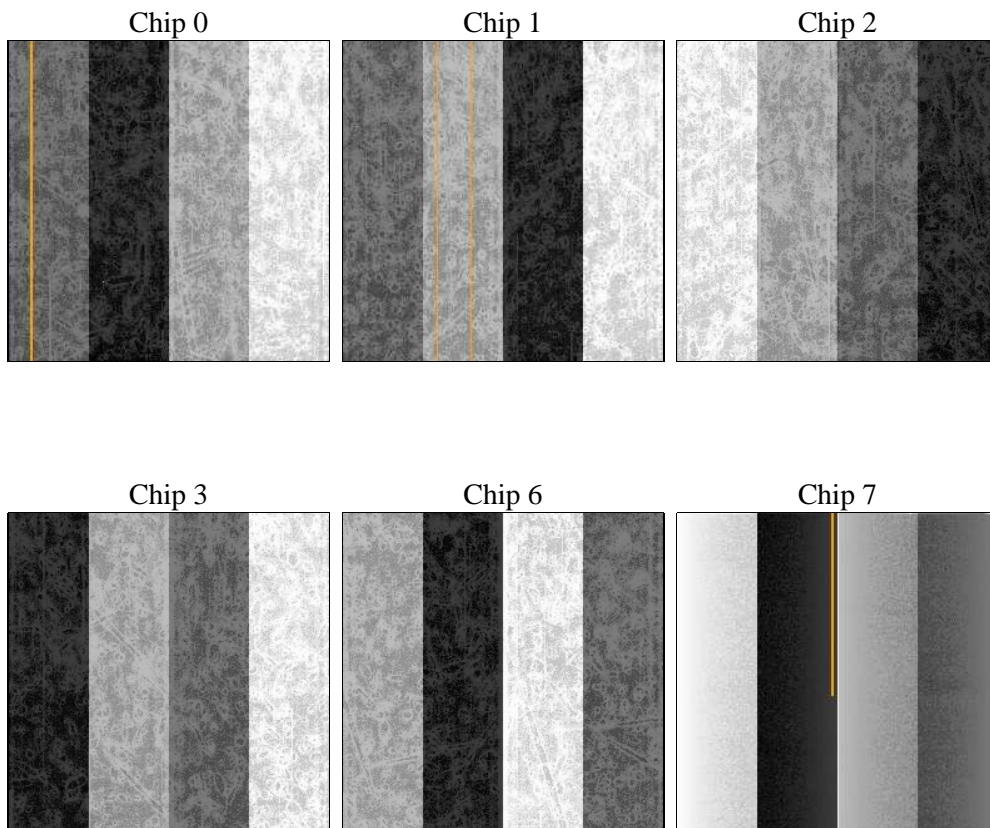
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38534.747000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	38687.999855936	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	38687.999855936	Sum of GTIs [s]
date	2012-04-20T04:35:49	Date and time of file creation	ontime1	38687.999855936	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	38684.758885562	Sum of GTIs [s]
			ontime3	38687.999855936	Sum of GTIs [s]
			ontime6	38687.999855936	Sum of GTIs [s]
			ontime7	38687.999855936	Sum of GTIs [s]
			l1events	2395122	Number of level 1 events

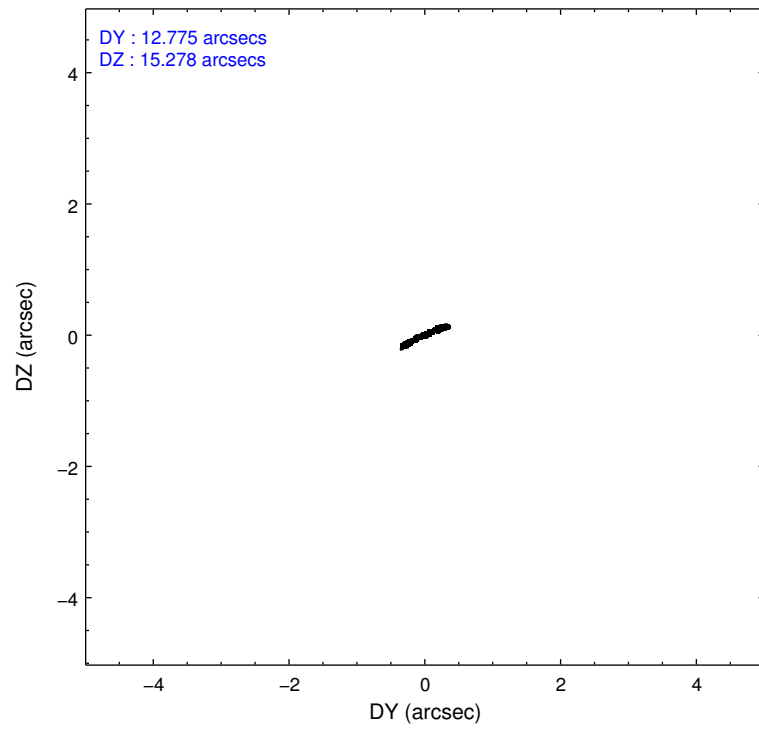
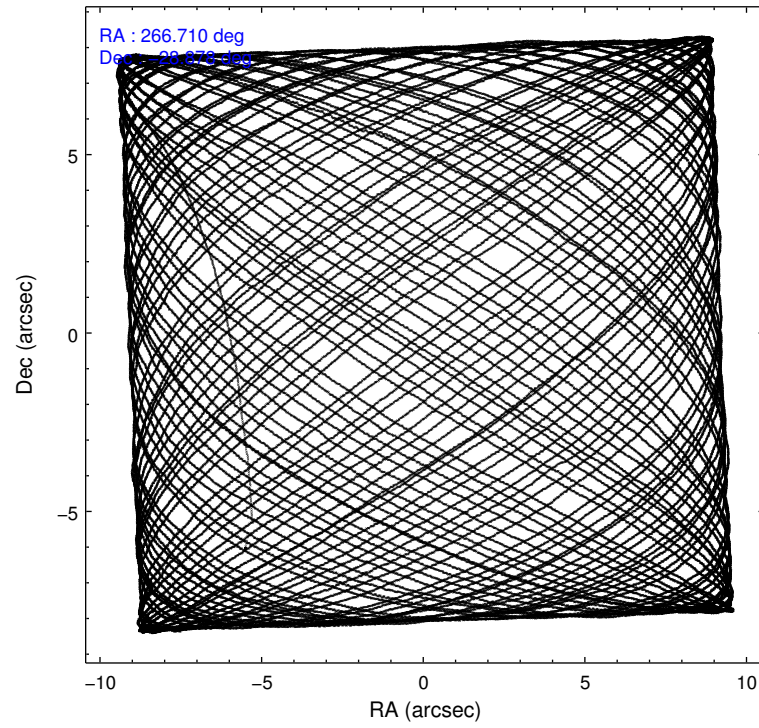
2.1.4 Events

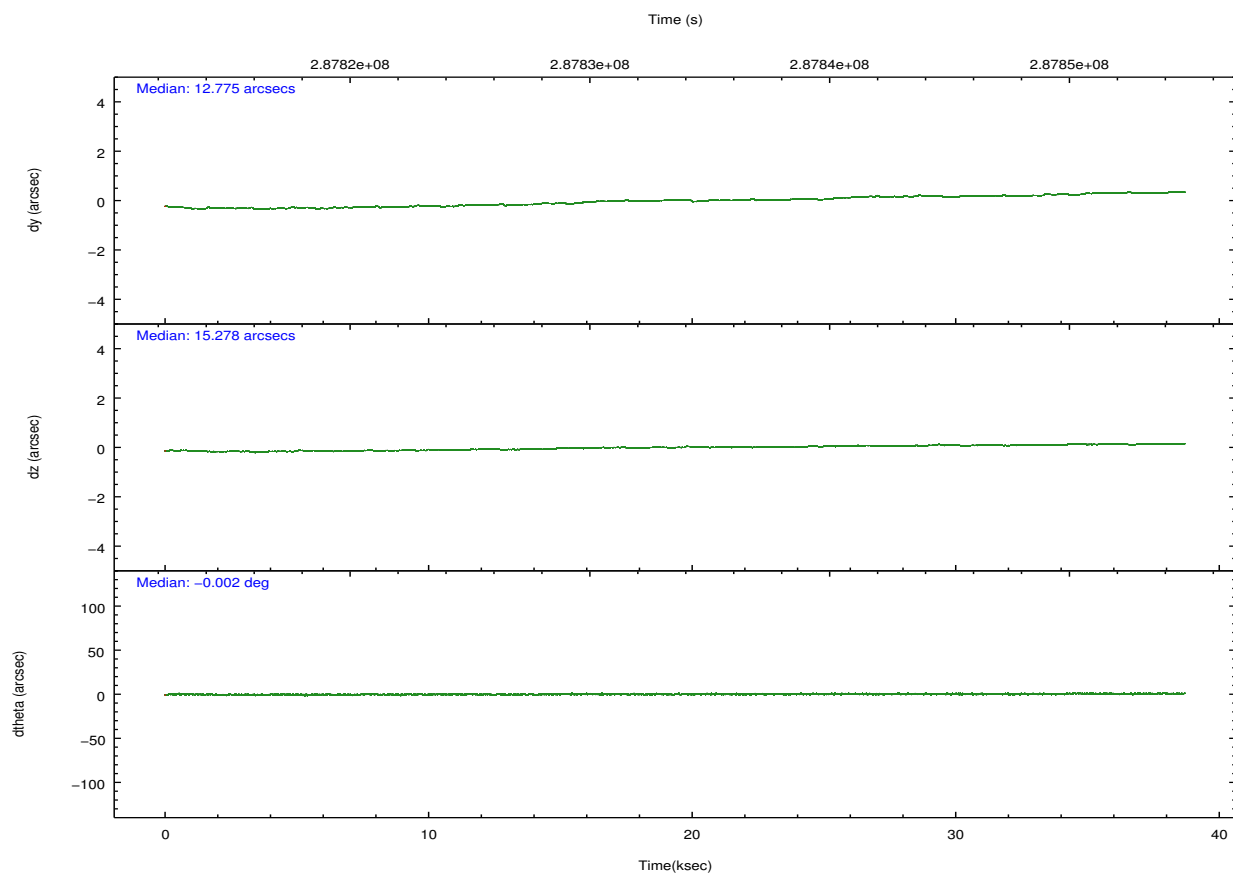
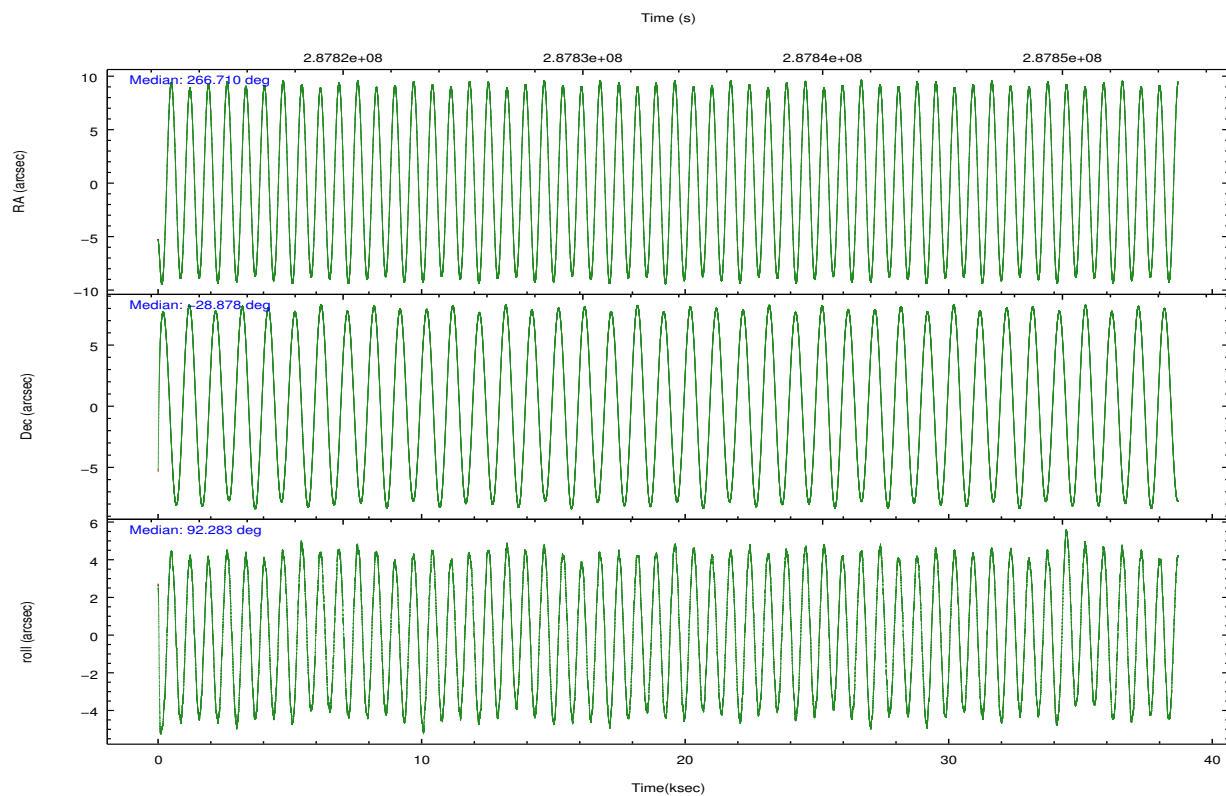
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	340166	341589	395719	381174	391737	544737	grade 0 events	28368	25014	47346	43388	30053	28020
rejected events	284125	286718	315148	305504	330801	293219		8%	7%	11%	11%	7%	5%
rejected %	83%	83%	79%	80%	84%	53%	grade 1 events	264	220	451	428	279	534
								0%	0%	0%	0%	0%	0%
							grade 2 events	11348	11913	14056	13017	12049	53940
								3%	3%	3%	3%	3%	9%
							grade 3 events	4630	4785	5766	5542	4914	23512
								1%	1%	1%	1%	1%	4%
							grade 4 events	4388	4735	5649	5670	4879	23241
								1%	1%	1%	1%	1%	4%
							grade 5 events	14538	15560	14205	16826	17161	46980
								4%	4%	3%	4%	4%	8%
							grade 6 events	8549	9734	9314	9547	10300	128585
								2%	2%	2%	2%	2%	23%
							grade 7 events	268081	269628	298932	286756	312102	239925
								78%	78%	75%	75%	79%	44%

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	266.727019	266.7101277732584	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.901364	-28.878169813622	Alternating exposures requested	N	N
[deg] Pointing Roll	92.088109	92.28863493853505	[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)	287814371.184000	287812784.88603			
Observation start date	2007-02-14T04:25:06	2007-02-14T03:59:44			
[s] Observation end time (MET)	287852906.184000	287853145.80045			
Observation end date	2007-02-14T15:07:21	2007-02-14T15:12:25			
Read mode	TIMED	TIMED			

2.3 Aspect



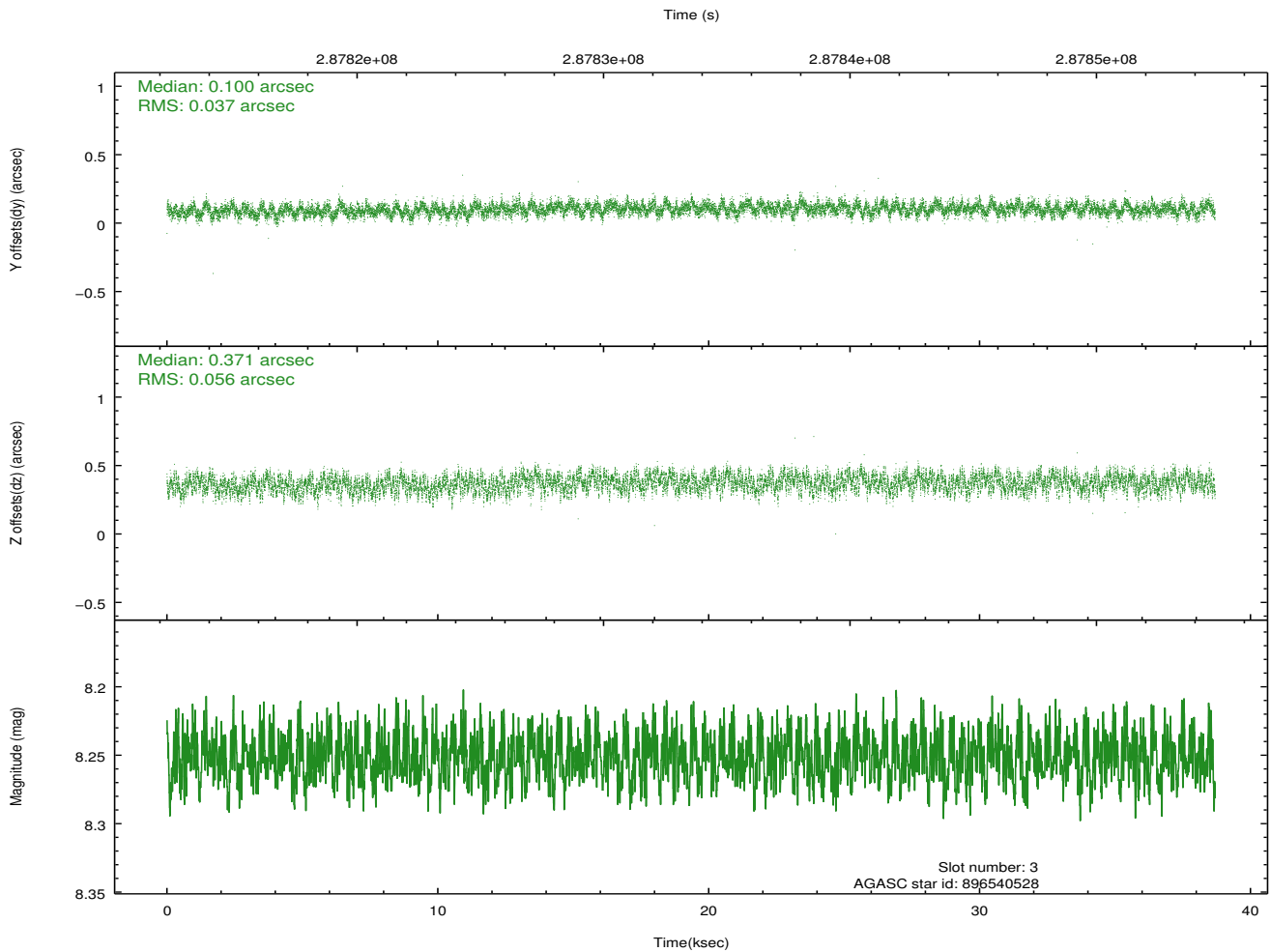
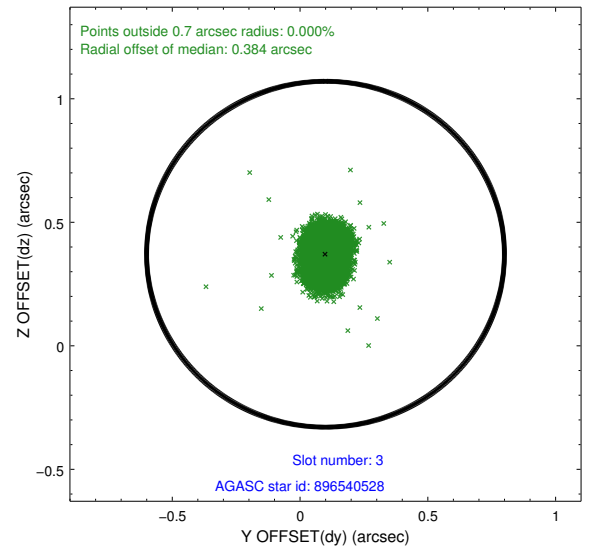
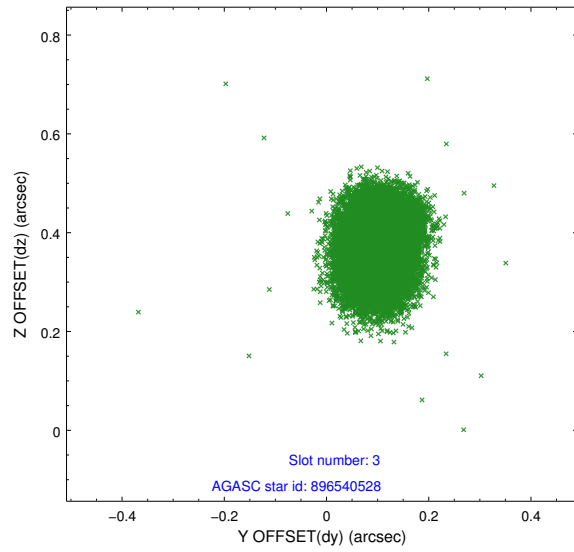


Slot Statistics

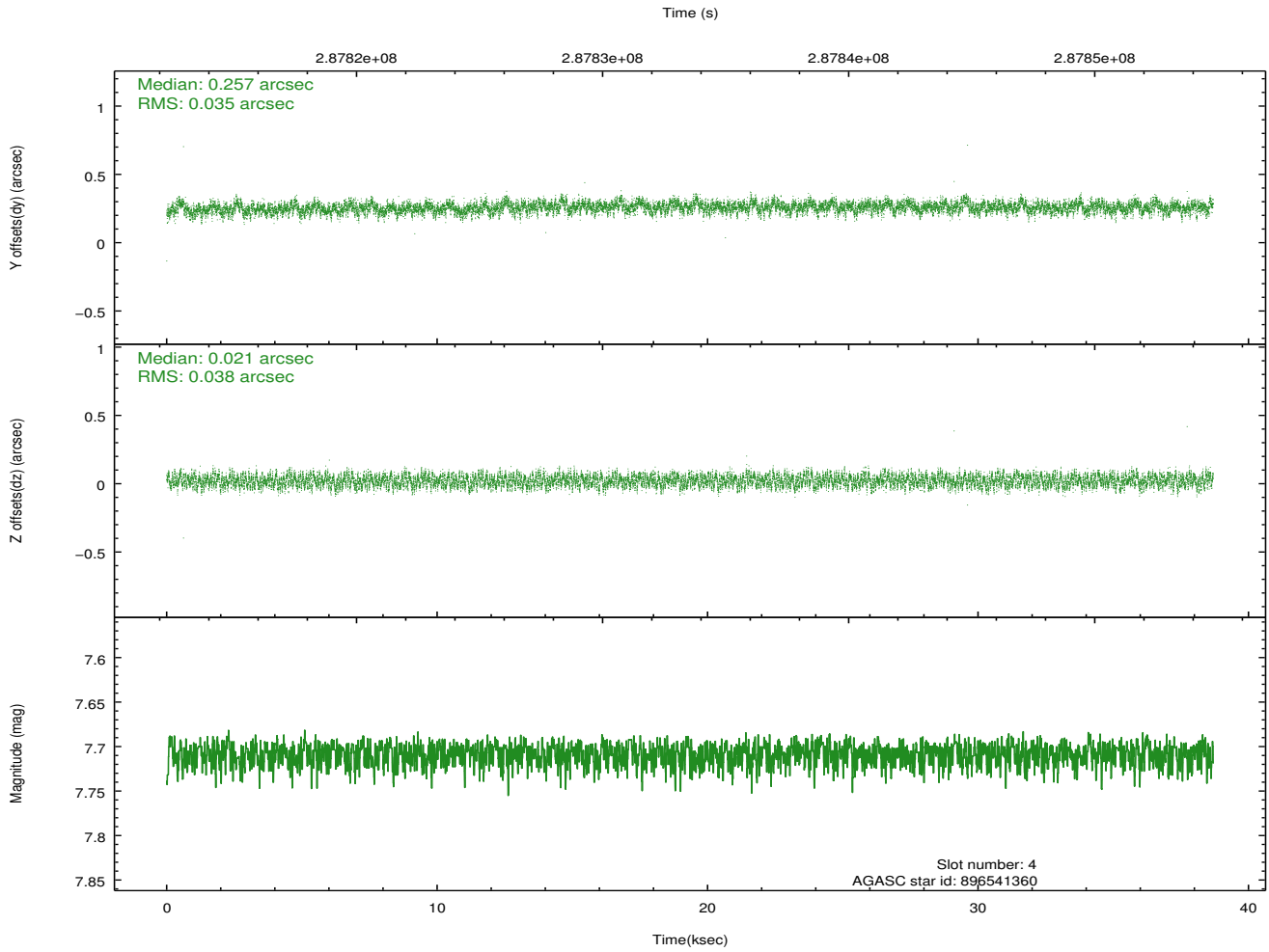
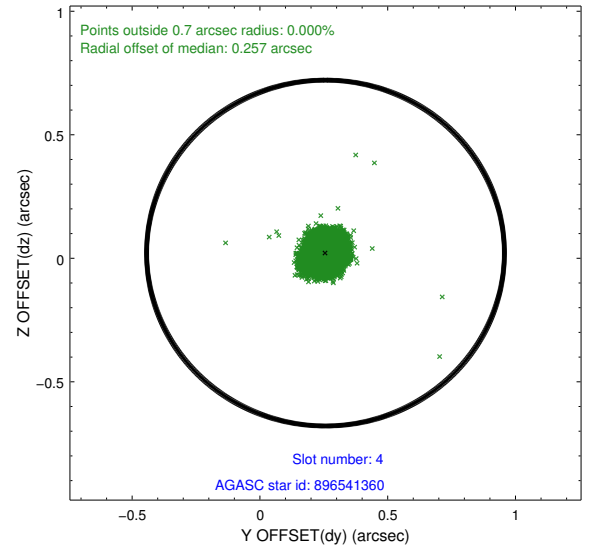
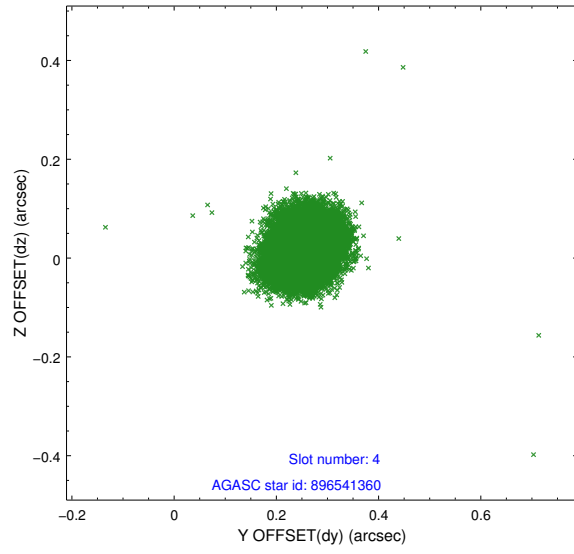
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	9437	0.041	-0.035	0.009	0.016	0.000000	0.000000	926.80	-838.91
1	FID	ACIS-I-5	7.22	9438	-0.199	0.044	0.010	0.016	0.000000	0.000000	-1821.52	1058.66
2	FID	ACIS-I-6	7.24	9438	0.065	0.061	0.008	0.014	0.000000	0.000000	392.36	1703.19
3	GUIDE	896540528	8.25	18869	0.100	0.371	0.072	0.115	267.368305	-29.314773	-1565.89	-1957.20
4	GUIDE	896541360	7.71	18873	0.257	0.021	0.055	0.085	266.684478	-29.453744	-1982.17	205.62
5	GUIDE	896540808	7.51	18864	0.154	-0.406	0.045	0.073	265.985401	-29.308604	-1387.71	2379.88
6	GUIDE	896538696	6.85	18874	-0.356	-0.230	0.059	0.093	266.298470	-28.325572	2118.09	1282.02
7	GUIDE	896540888	7.92	18869	-0.155	0.246	0.057	0.094	267.212234	-28.246138	2298.29	-1623.00

2.4 Star Slots

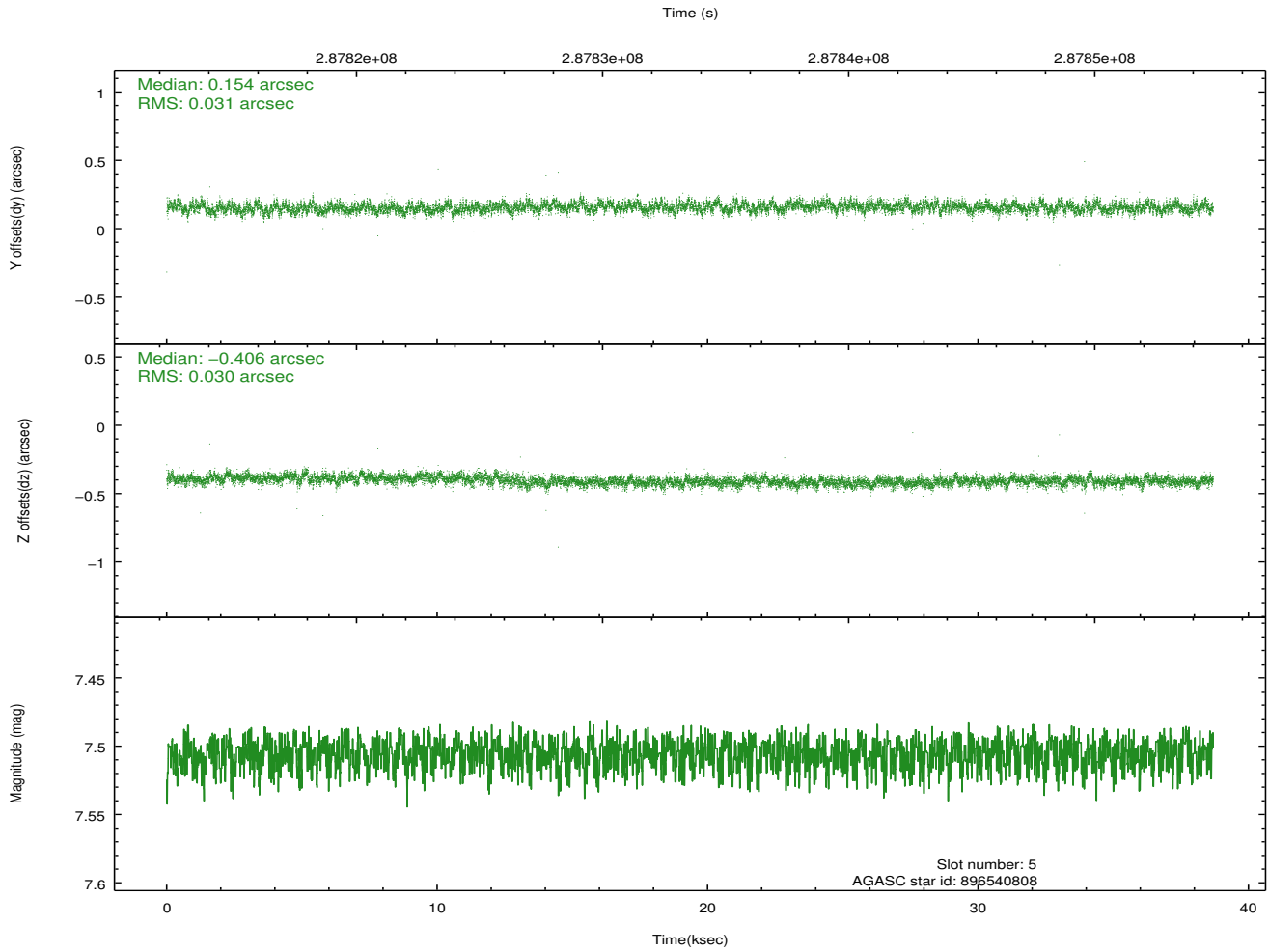
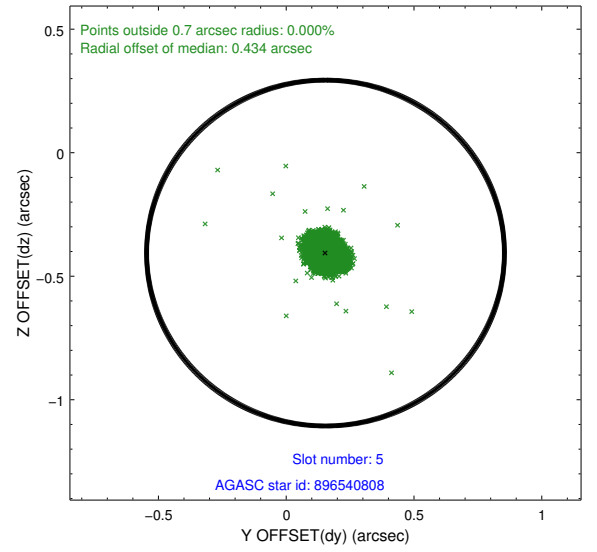
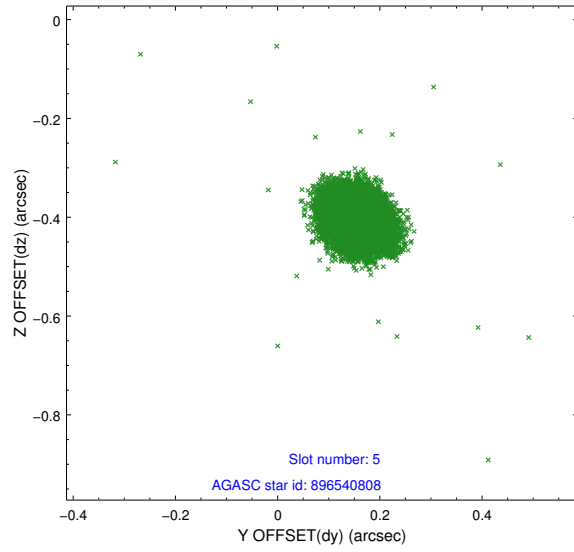
2.4.1 Slot 3



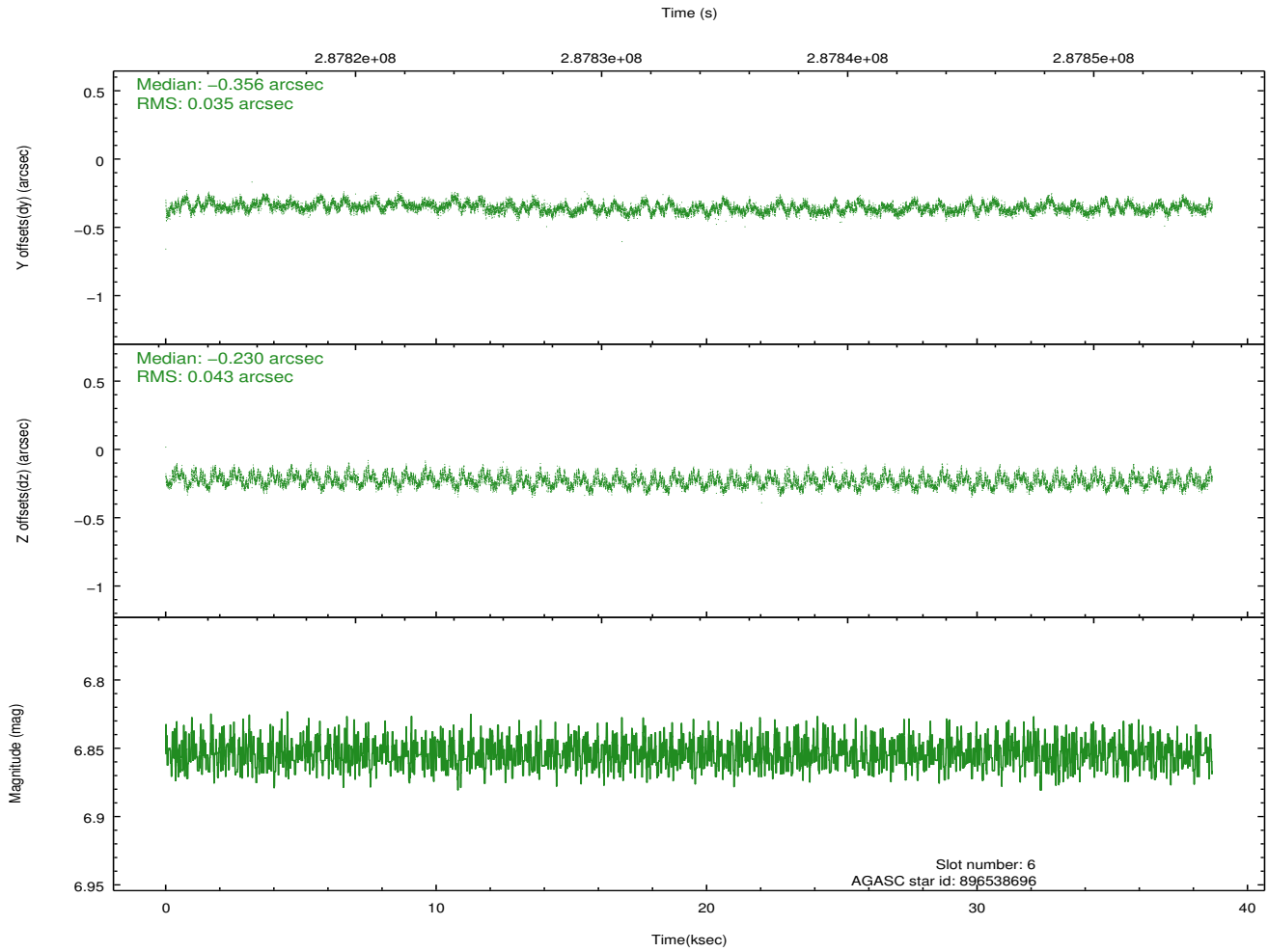
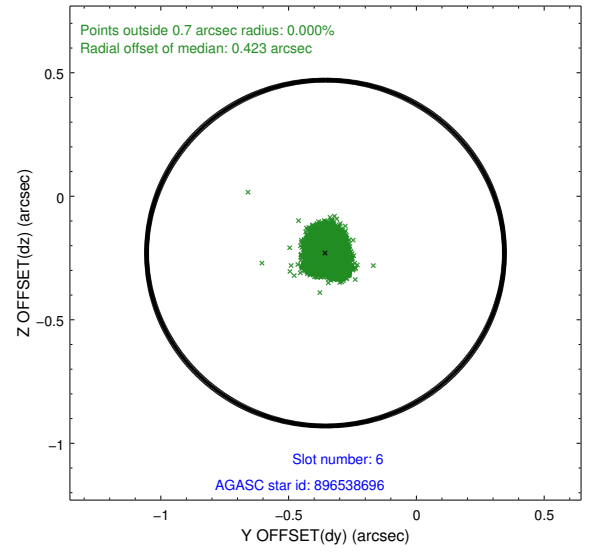
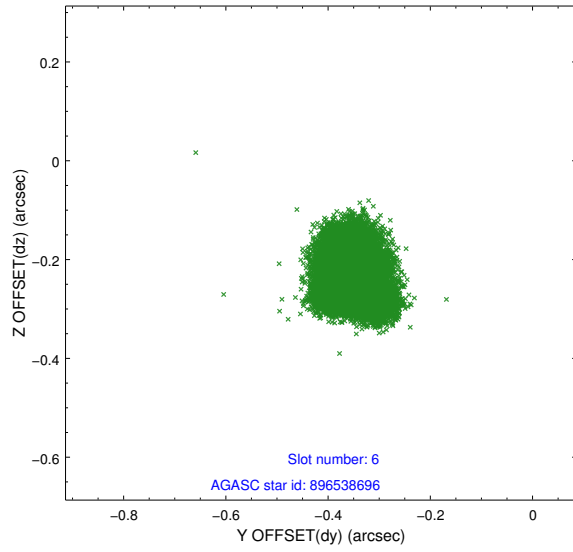
2.4.2 Slot 4



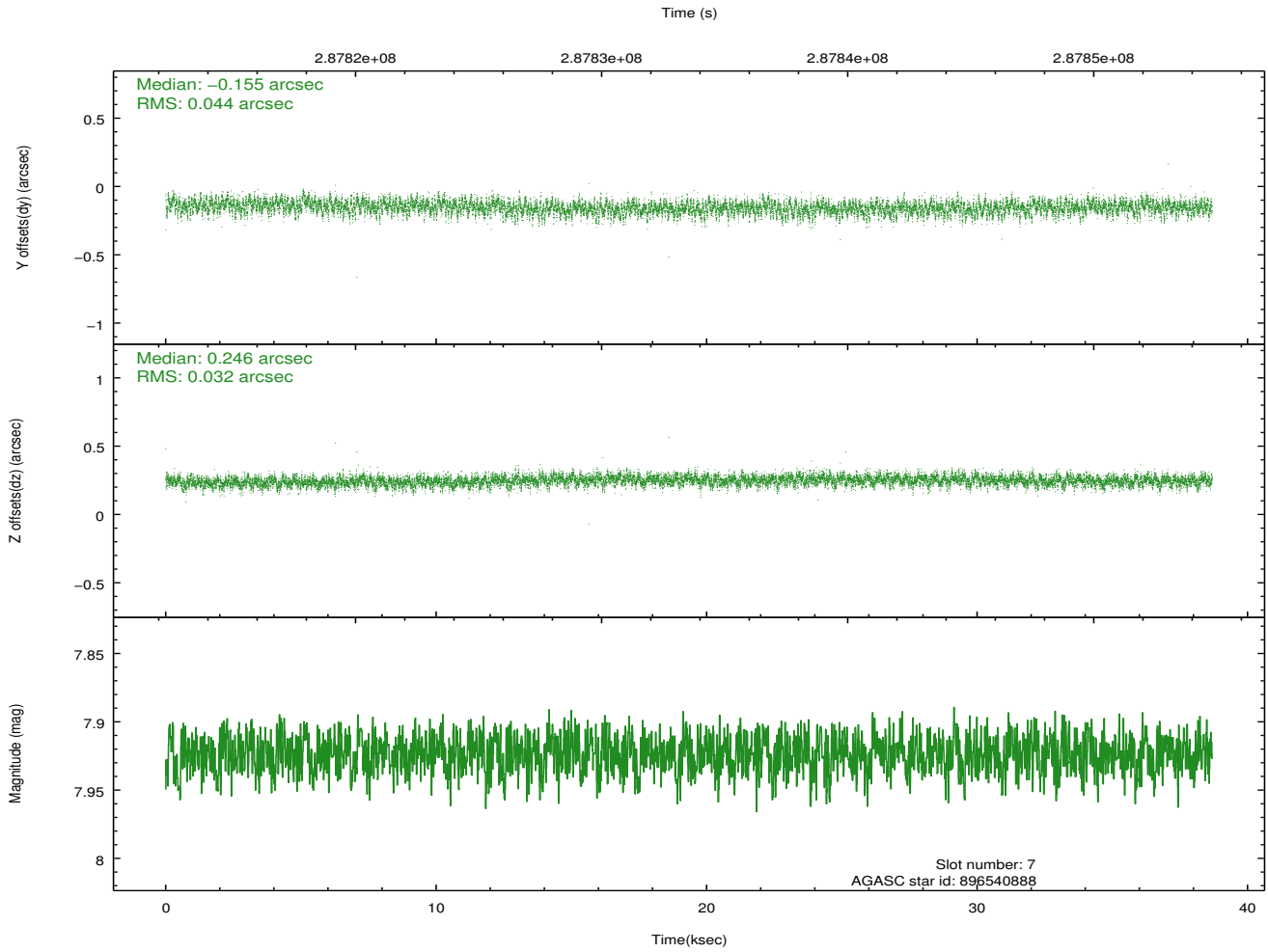
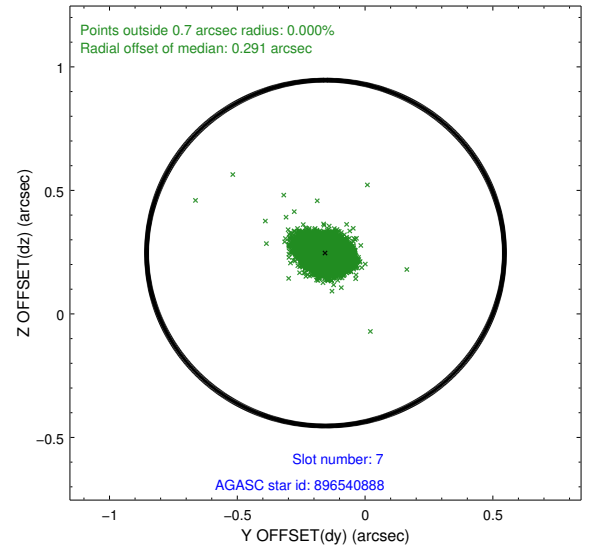
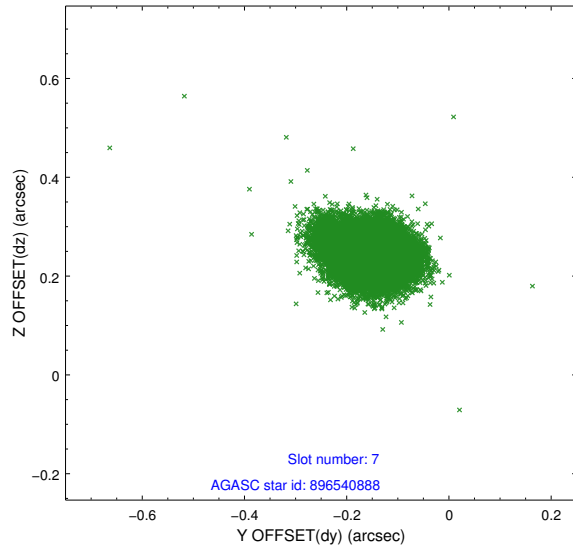
2.4.3 Slot 5



2.4.4 Slot 6

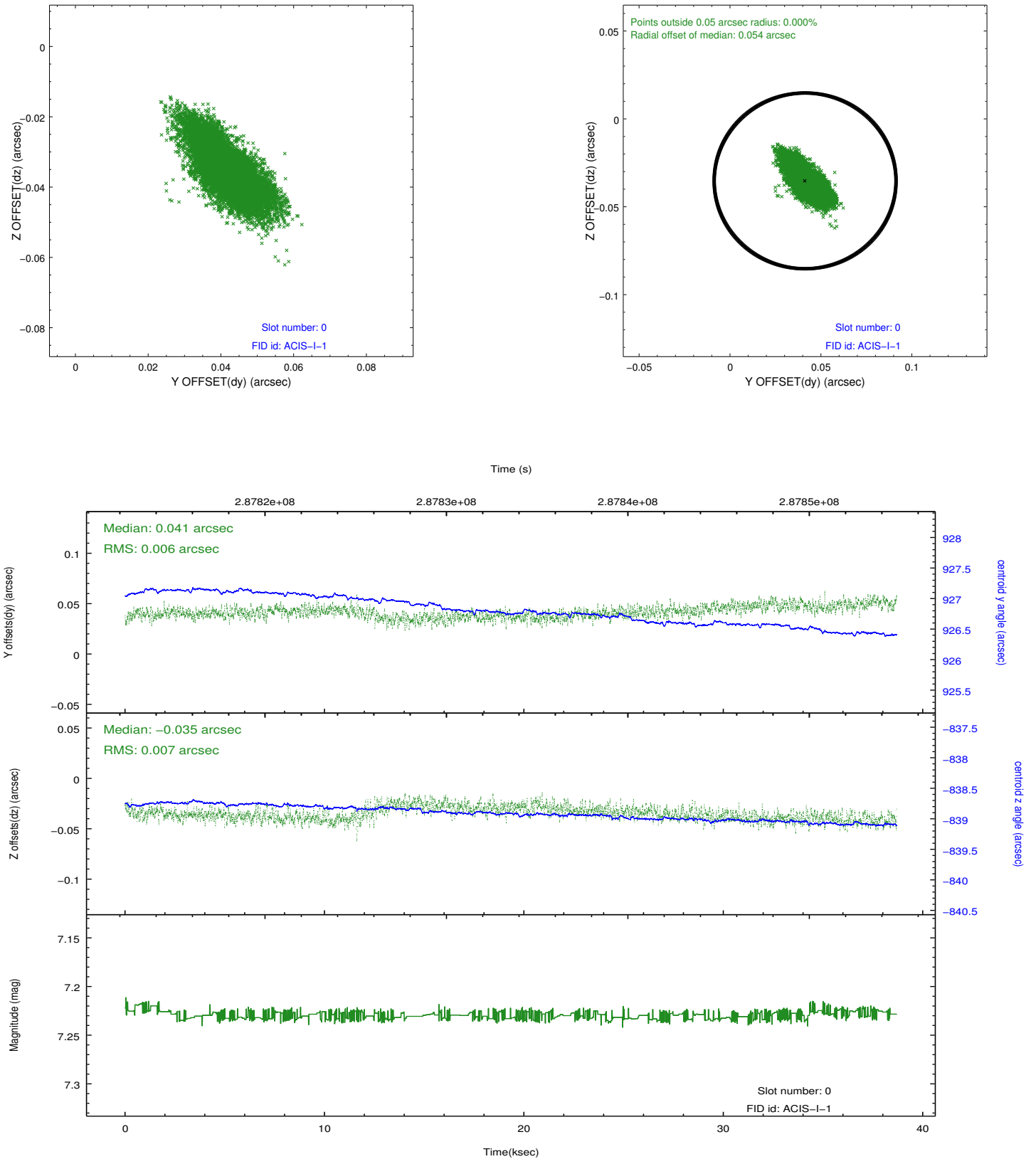


2.4.5 Slot 7

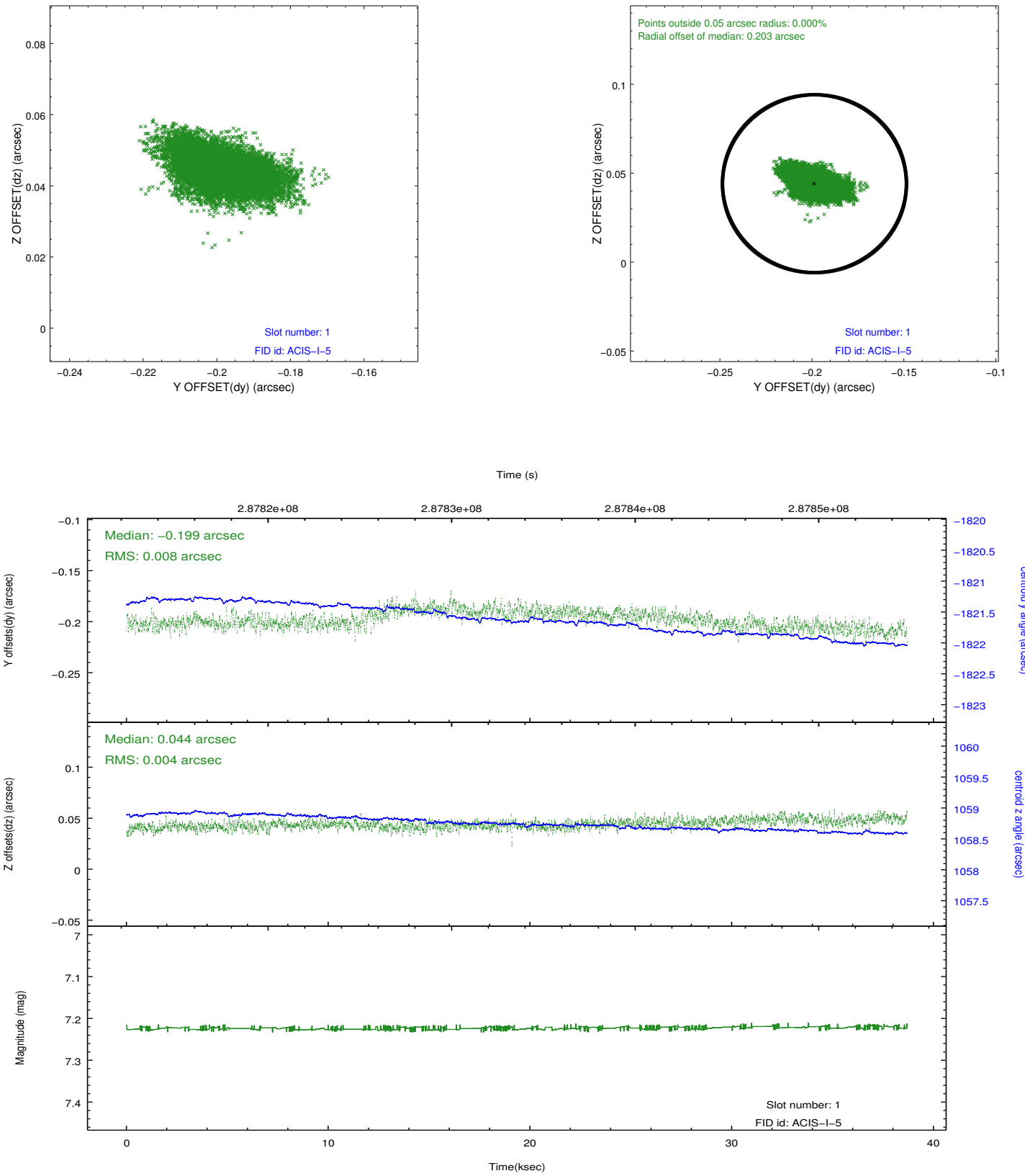


2.5 FID Slots

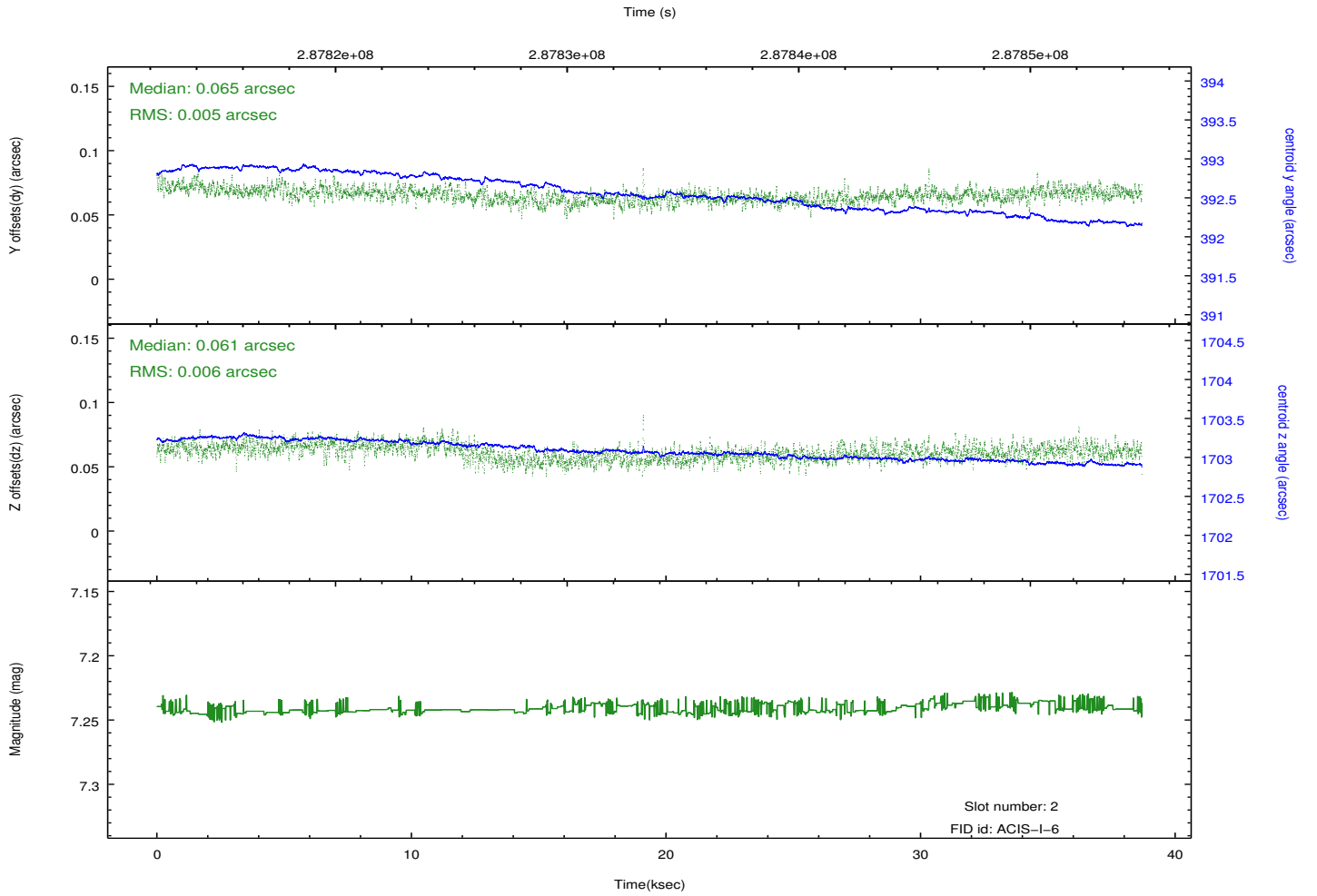
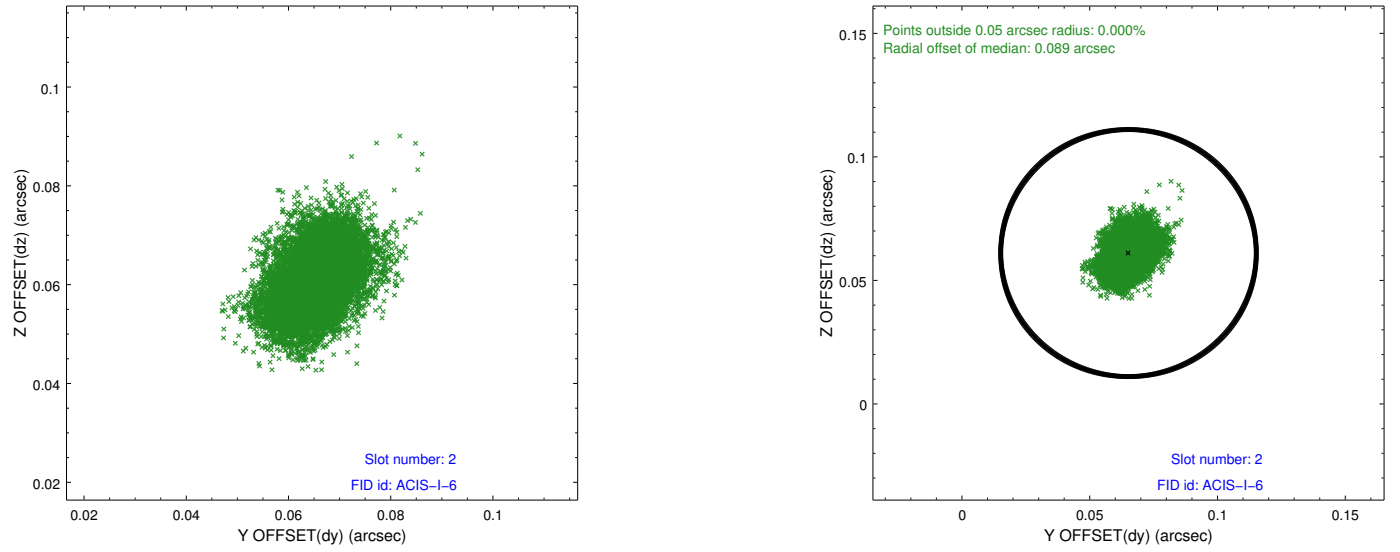
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.6879998

A.2 Comments