

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3436 - L2 Version 3
Chandra X-Ray Center

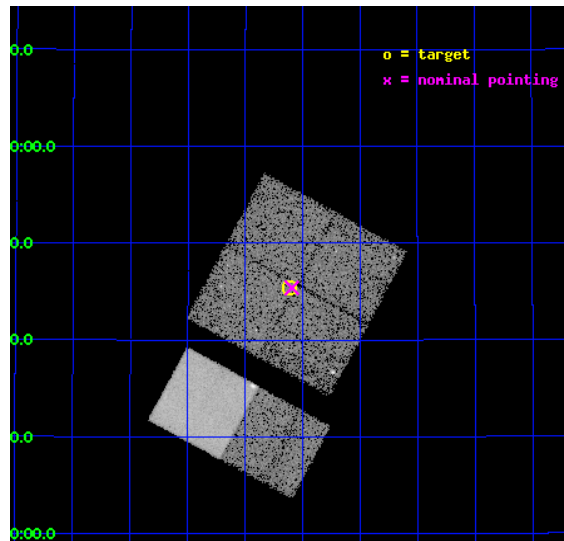
L2 Processing Date : Oct 1 2012

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1 Front

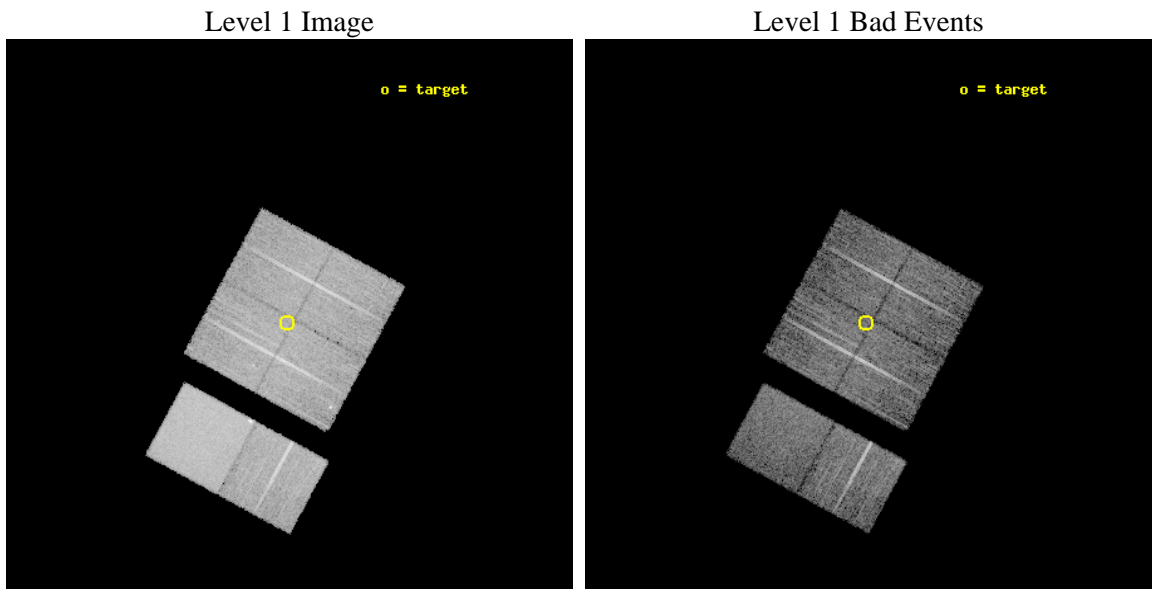
seq_num	500286	Sequence number
obs_id	3436	Observation id
title	CHANDRA IDENTIFICATION OF THE X-RAY COUNTERPART OF GRB020127	Propo
observer	Prof. Derek Fox	Principal investigator
object	GRB020127	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	123.77925	Observer's specified target RA [deg]
dec_targ	36.757139	Observer's specified target Dec [deg]
ra_nom	123.77350252402	Nominal RA [deg]
dec_nom	36.756710996559	Nominal Dec [deg]
roll_nom	208.4919398273	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9964.7201904058	Sum of GTIs [s]
livetime	9838.5409033208	Livetime [s]
ontime0	9964.5970704108	Sum of GTIs [s]
ontime1	9964.6381104141	Sum of GTIs [s]
ontime2	9964.6791504174	Sum of GTIs [s]
ontime3	9964.7201904058	Sum of GTIs [s]
ontime6	9964.8000092655	Sum of GTIs [s]
ontime7	9964.7612304091	Sum of GTIs [s]
l2events	101324	Number of level 2 events



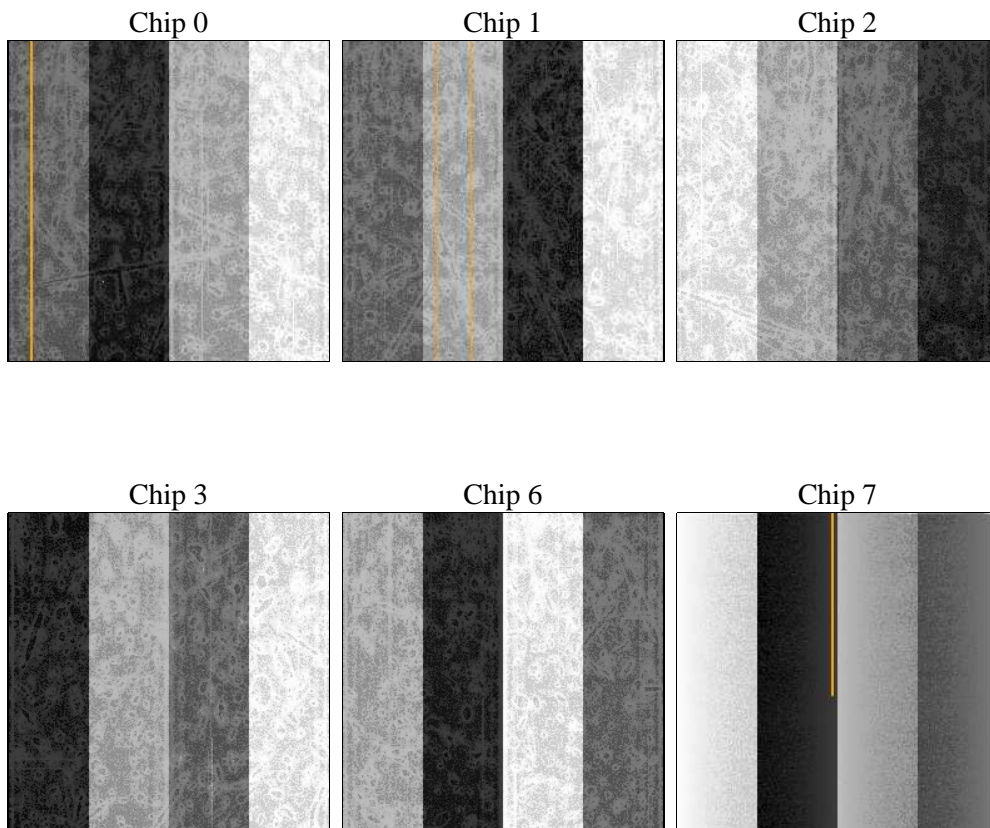
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9964.7201904058	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	9964.5970704108	Sum of GTIs [s]
date	2012-10-01T05:54:35	Date and time of file creation	ontime1	9964.6381104141	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	9964.6791504174	Sum of GTIs [s]
			ontime3	9964.7201904058	Sum of GTIs [s]
			ontime6	9964.8000092655	Sum of GTIs [s]
			ontime7	9964.7612304091	Sum of GTIs [s]
			l1events	420995	Number of level 1 events

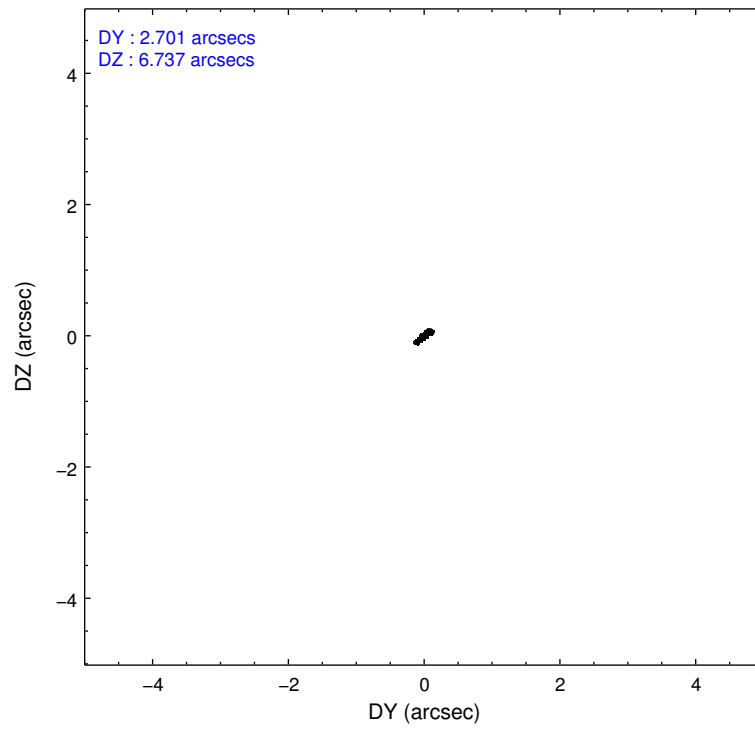
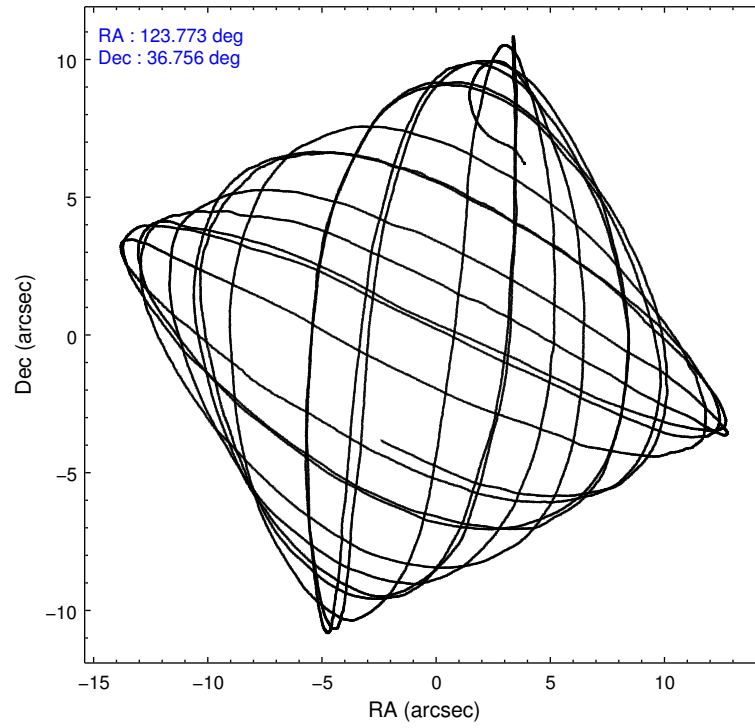
2.1.4 Events

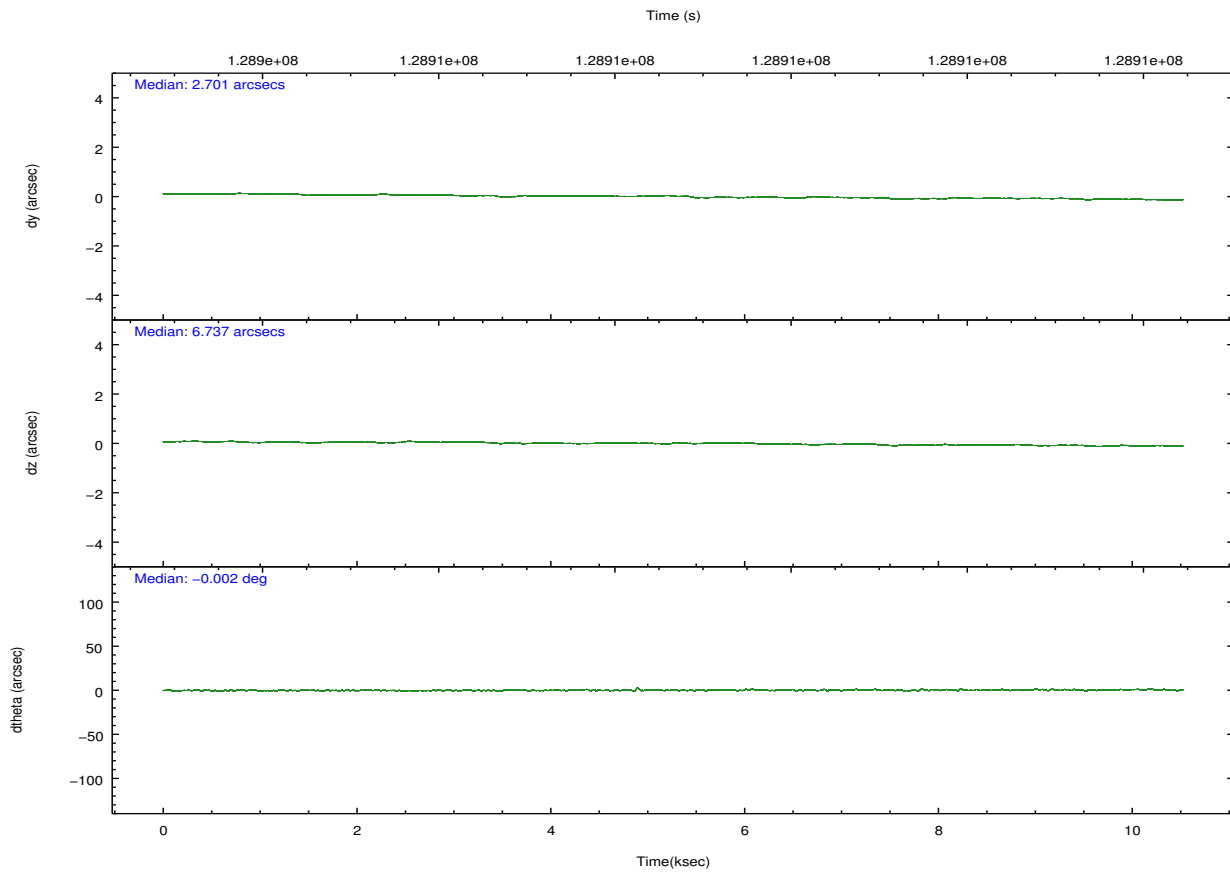
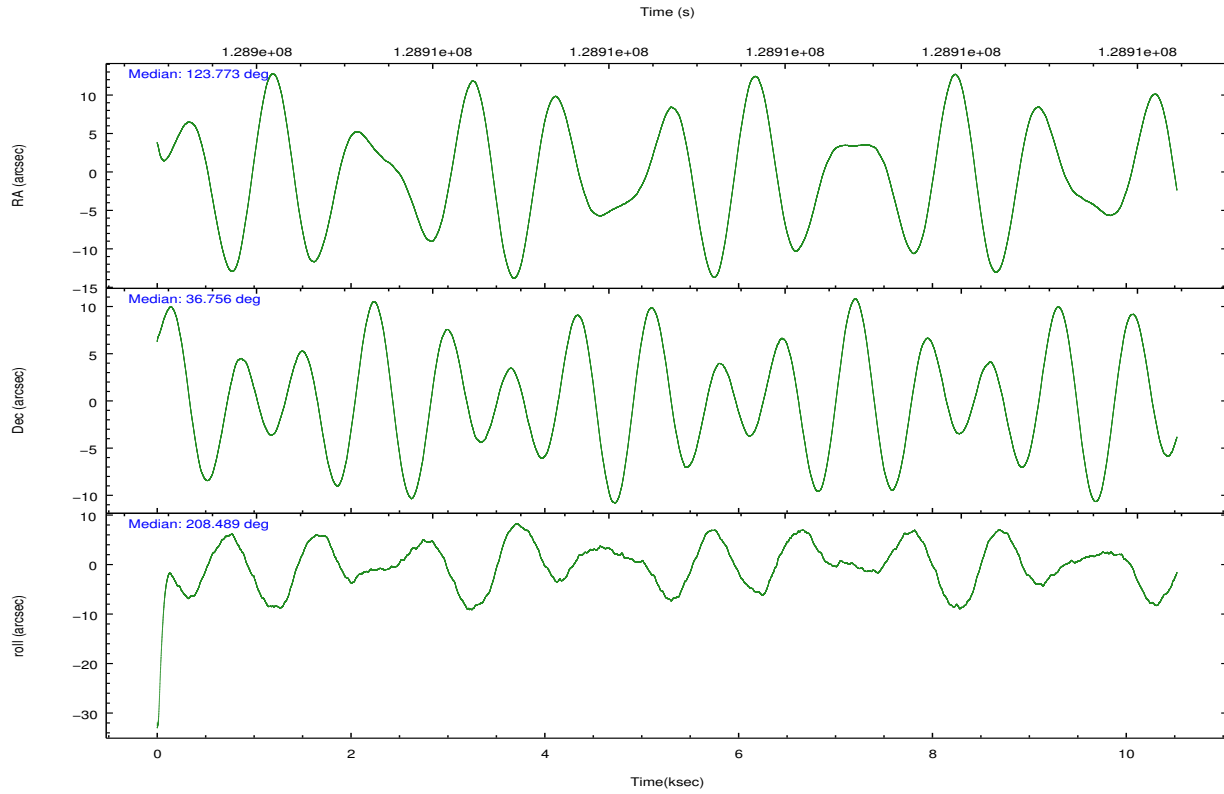
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	59878	58652	63768	65048	66756	106893	grade 0 events	4831	4866	4936	5318	5072	7027
rejected events	50311	48767	54160	55022	56688	47868		8%	8%	7%	8%	7%	6%
rejected %	84%	83%	84%	84%	84%	44%	grade 1 events	24	27	32	41	42	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	1877	1804	1855	1761	1840	11533
								3%	3%	2%	2%	2%	10%
							grade 3 events	774	857	741	800	740	5177
								1%	1%	1%	1%	1%	4%
							grade 4 events	733	795	764	737	818	5086
								1%	1%	1%	1%	1%	4%
							grade 5 events	2259	2362	2091	2442	2791	7867
								3%	4%	3%	3%	4%	7%
							grade 6 events	1353	1566	1314	1417	1604	30246
								2%	2%	2%	2%	2%	28%
							grade 7 events	48027	46375	52035	52532	53849	39885
								80%	79%	81%	80%	80%	37%

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	123.791235	123.773502524021	Subarray requested	NONE	NONE
[deg] Pointing Dec	36.780095	36.75671099655912	Alternating exposures requested	N	N
[deg] Pointing Roll	208.272665	208.4919398272972	[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)	128903923.184000	128902794.09437			
Observation start date	2002-01-31T22:37:39	2002-01-31T22:19:54			
[s] Observation end time (MET)	128913923.184000	128915386.21988			
Observation end date	2002-02-01T01:24:19	2002-02-01T01:49:46			
Read mode	TIMED	TIMED			

2.3 Aspect



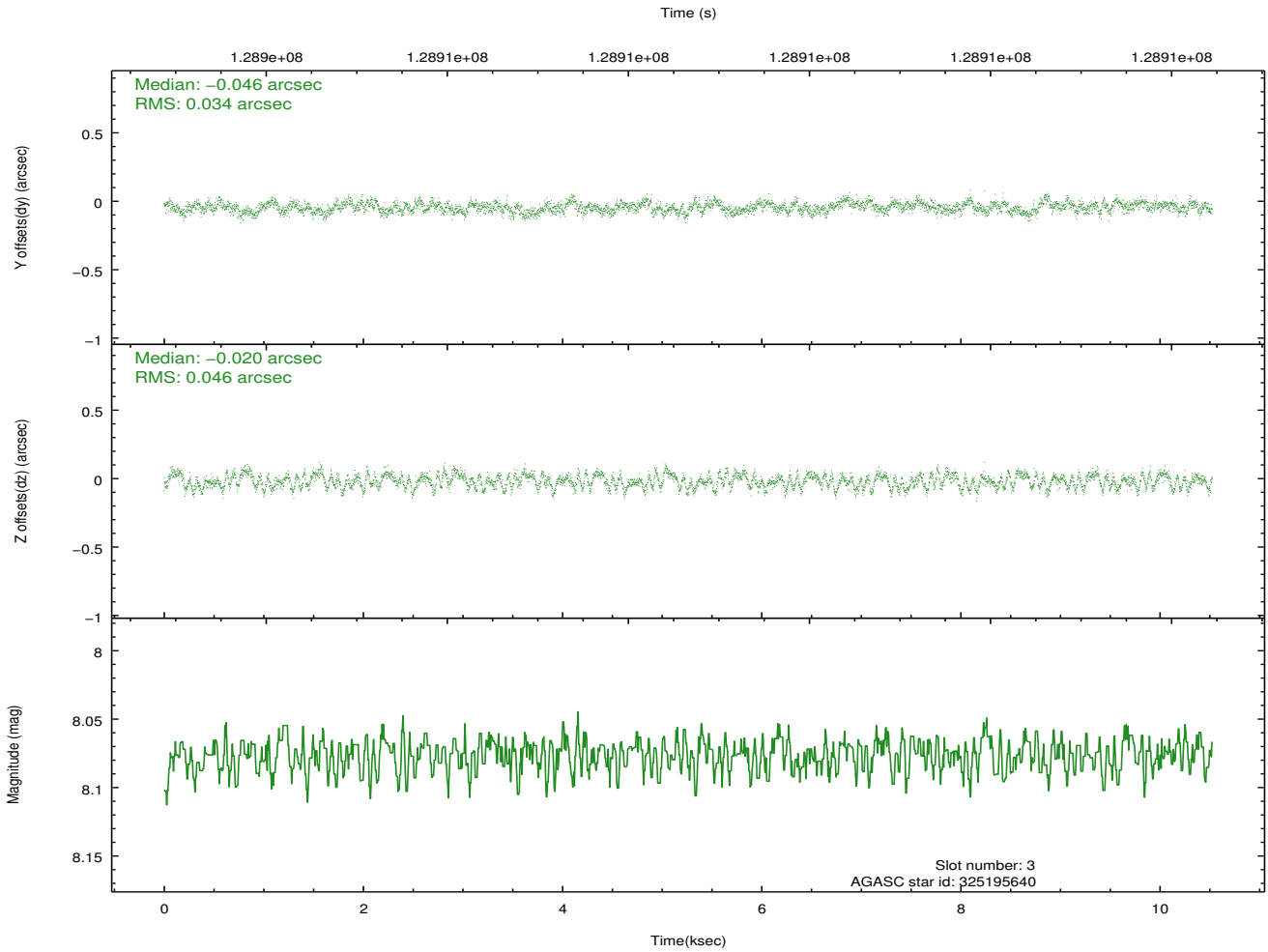
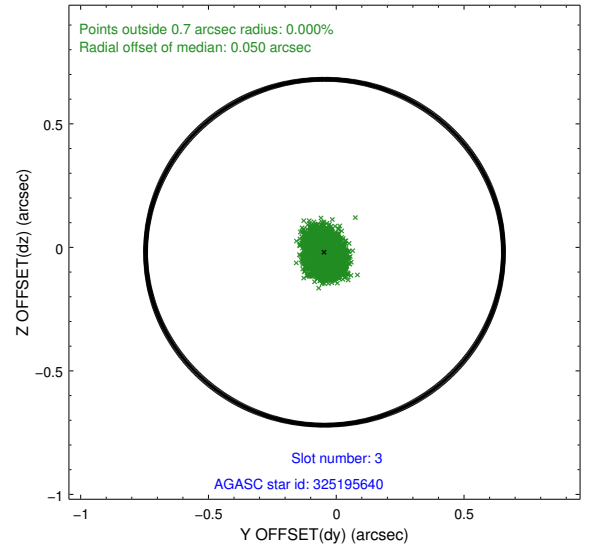
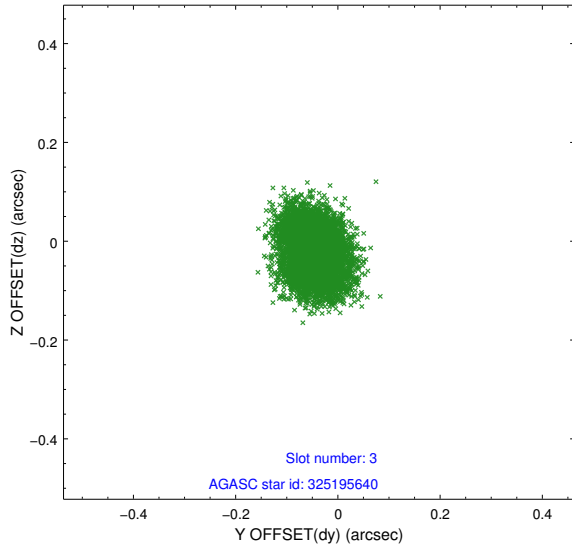


Slot Statistics

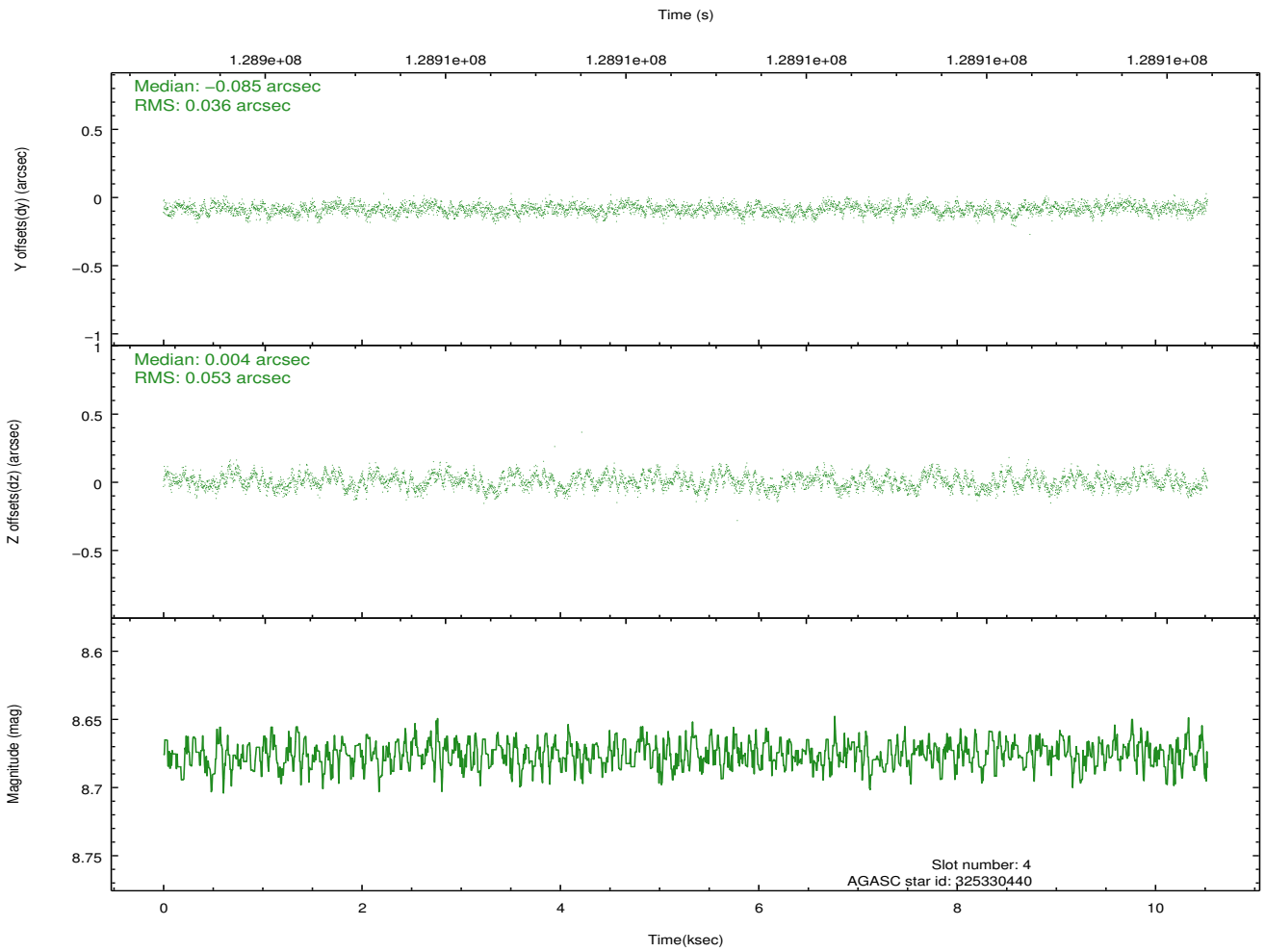
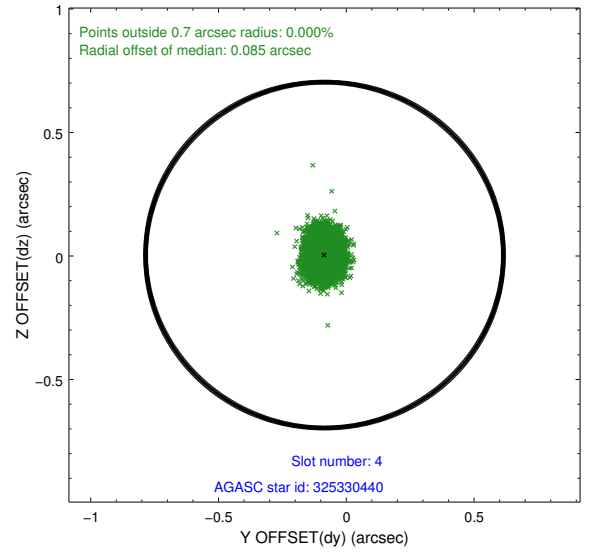
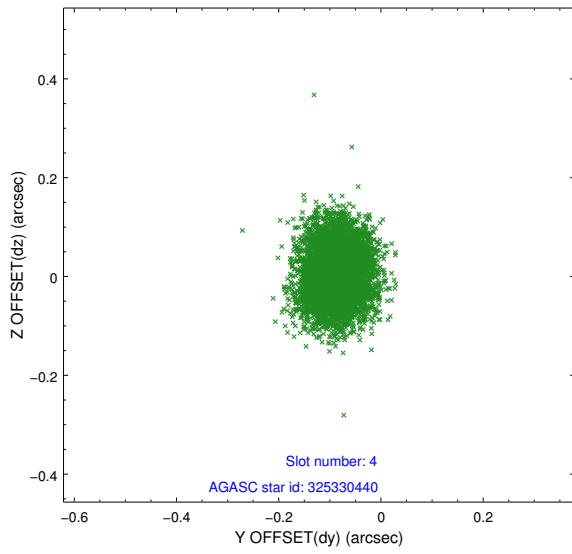
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	2567	-0.037	-0.087	0.006	0.011	0.000000	0.000000	937.07	-830.20
1	FID	ACIS-I-3	7.45	2567	0.002	0.159	0.007	0.013	0.000000	0.000000	54.88	-963.51
2	FID	ACIS-I-5	7.23	2567	-0.056	0.000	0.006	0.012	0.000000	0.000000	-1811.12	1067.08
3	GUIDE	325195640	8.08	5133	-0.046	-0.020	0.062	0.097	123.704872	36.496301	703.18	780.66
4	GUIDE	325330440	8.68	5135	-0.085	0.004	0.068	0.109	124.000460	37.423677	-1625.17	-1758.35
5	GUIDE	325194168	9.06	5125	0.112	-0.024	0.111	0.169	122.864285	36.789668	2330.28	-1308.49
6	GUIDE	325332176	9.29	5129	0.002	0.038	0.118	0.180	123.933904	36.332369	398.56	1614.40
7	GUIDE	325331856	9.40	5127	0.022	-0.003	0.097	0.157	124.137510	37.281647	-1730.26	-1122.41

2.4 Star Slots

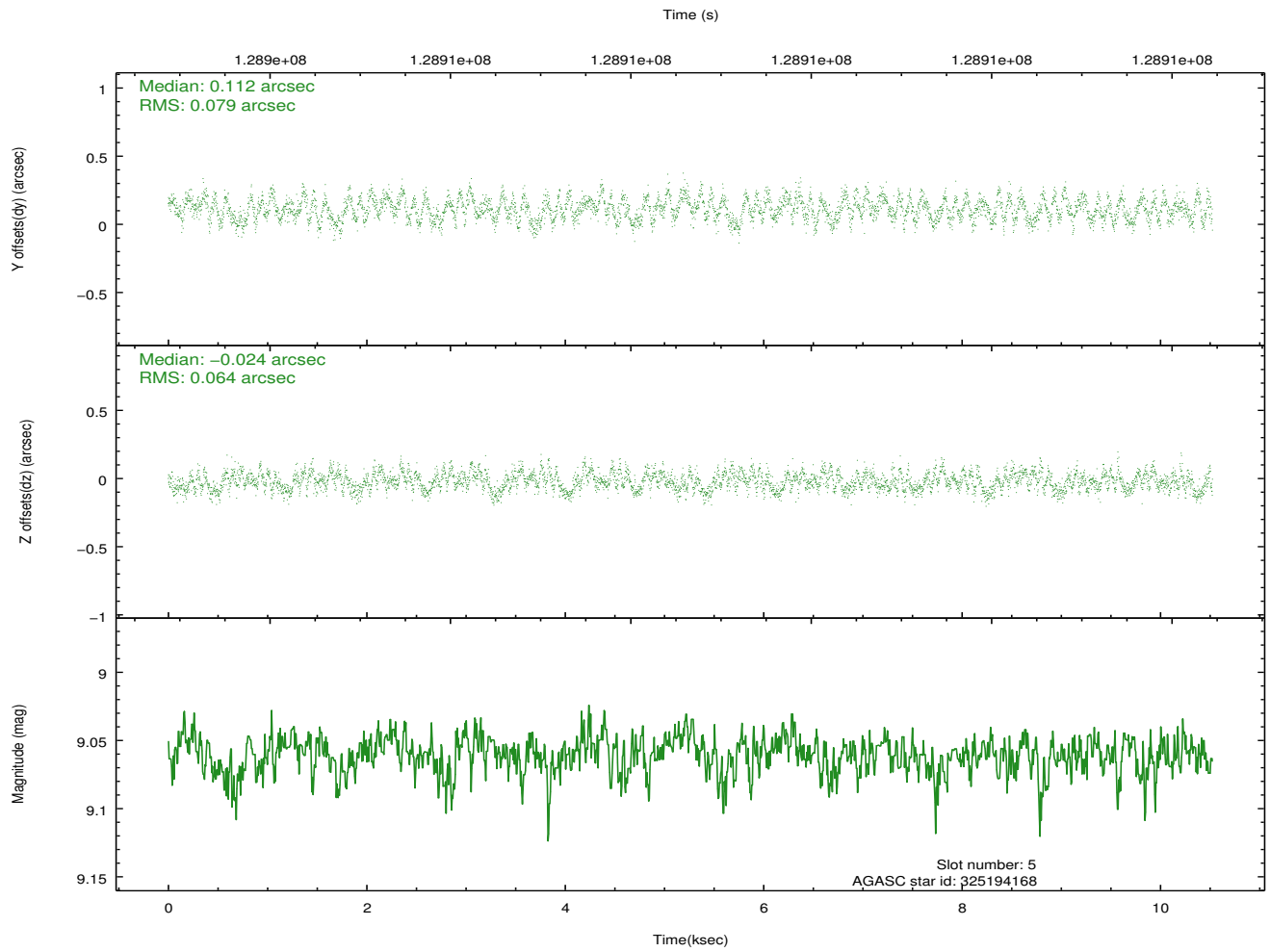
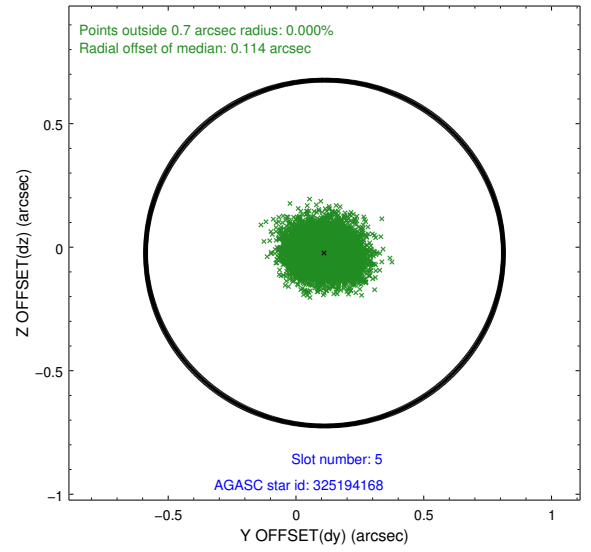
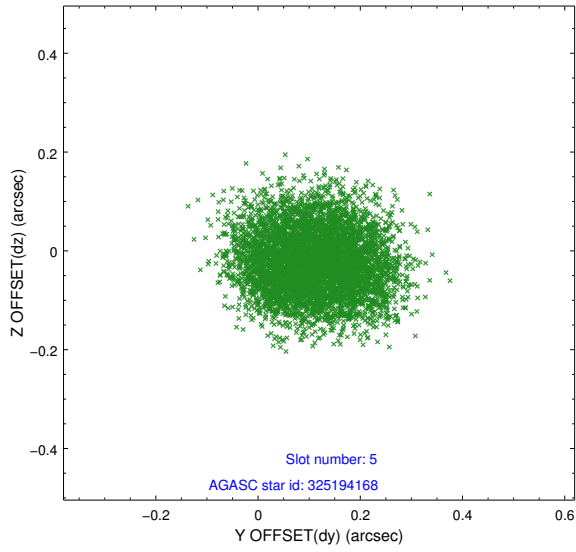
2.4.1 Slot 3



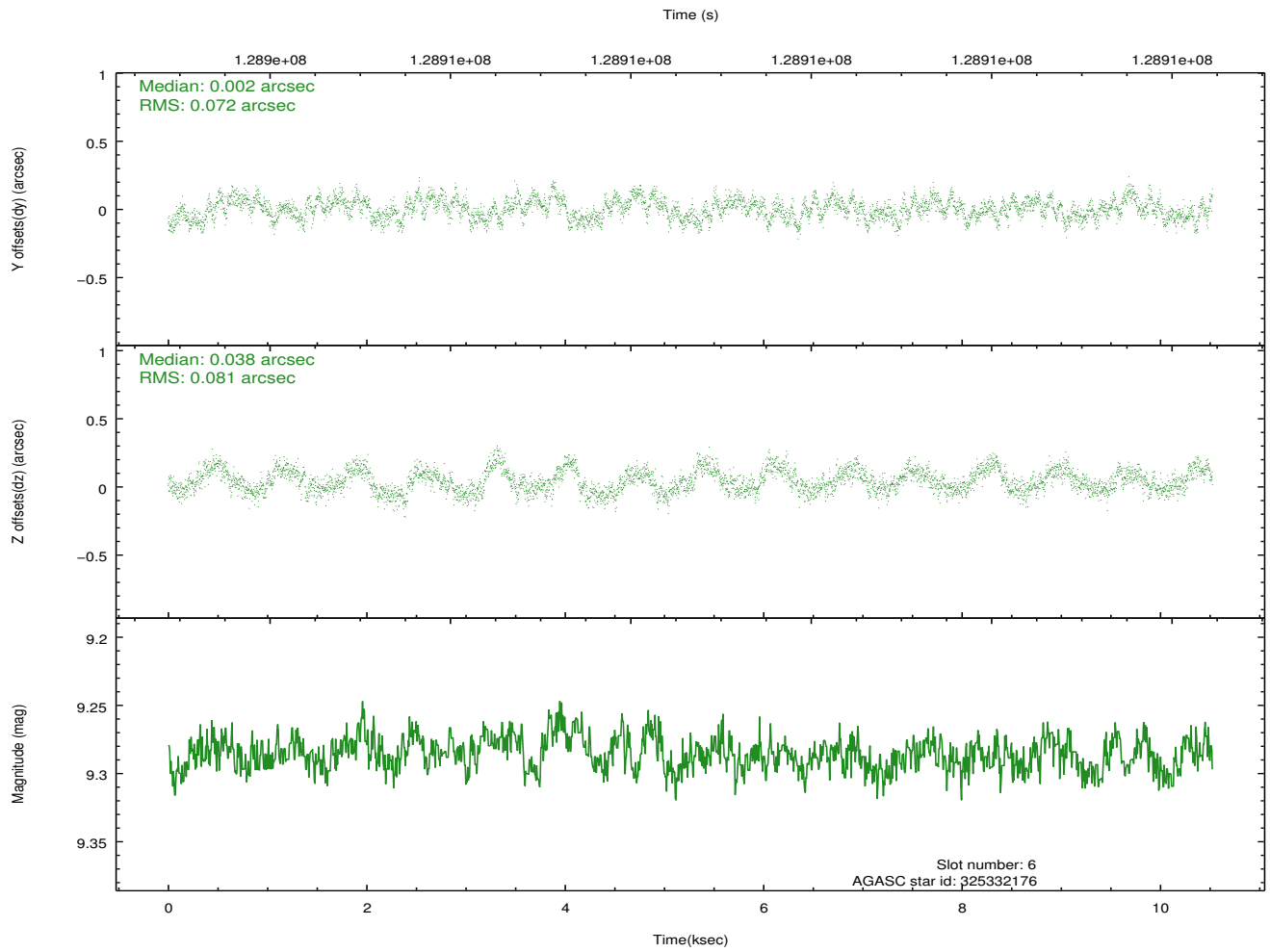
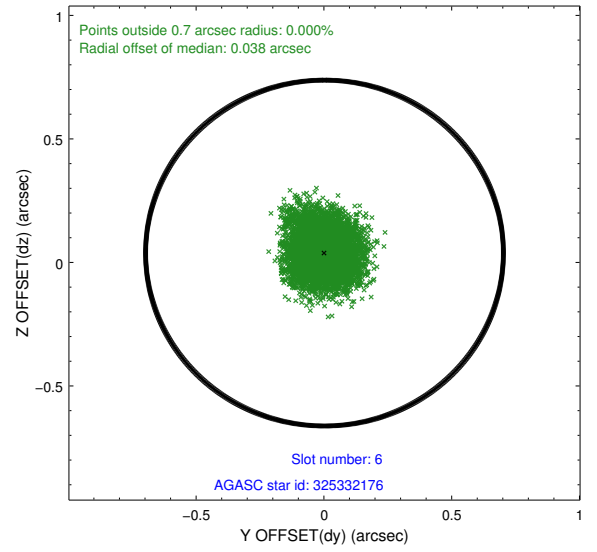
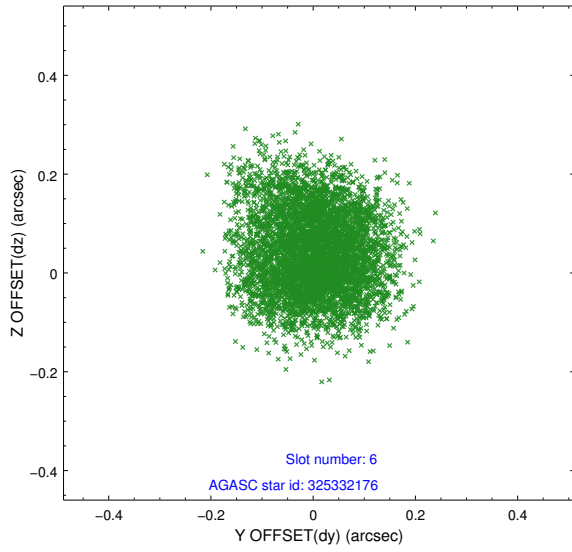
2.4.2 Slot 4



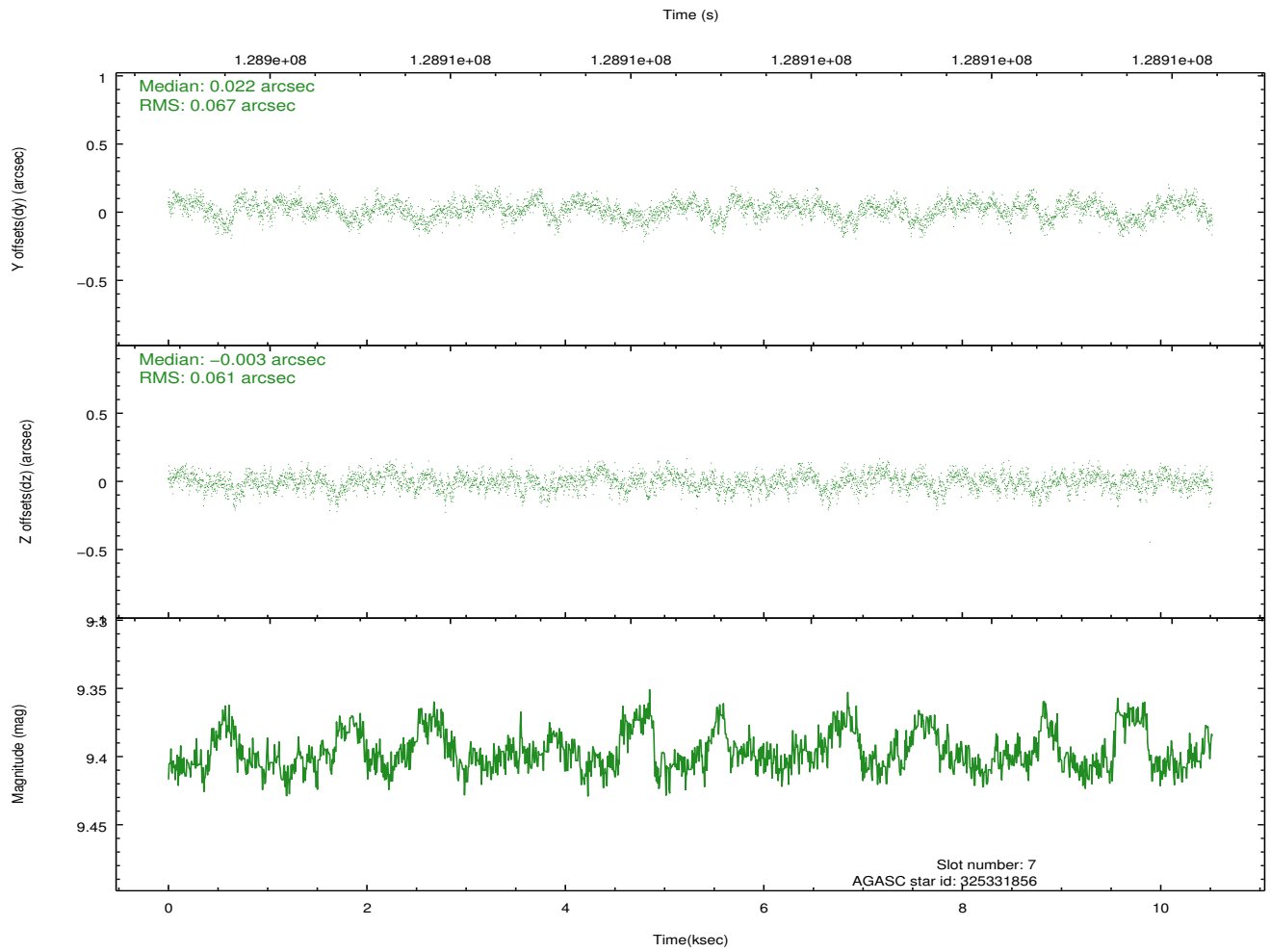
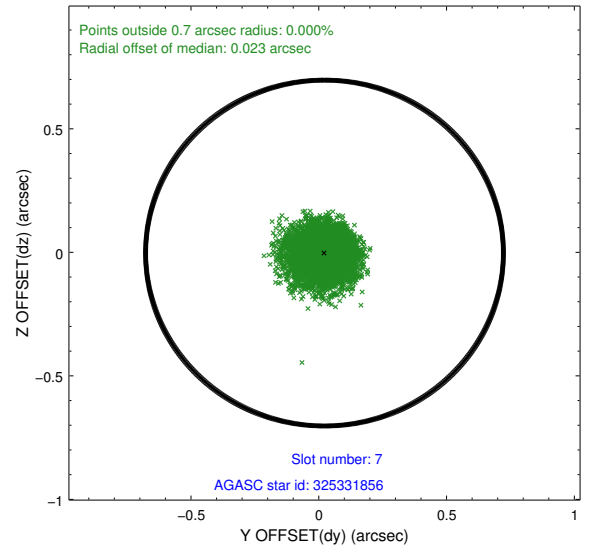
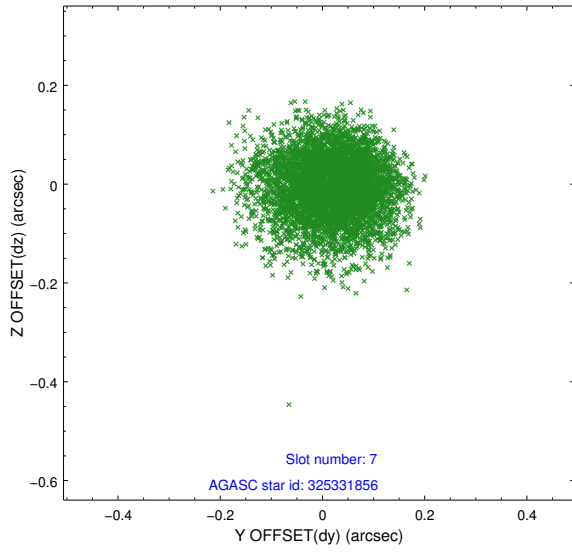
2.4.3 Slot 5



2.4.4 Slot 6

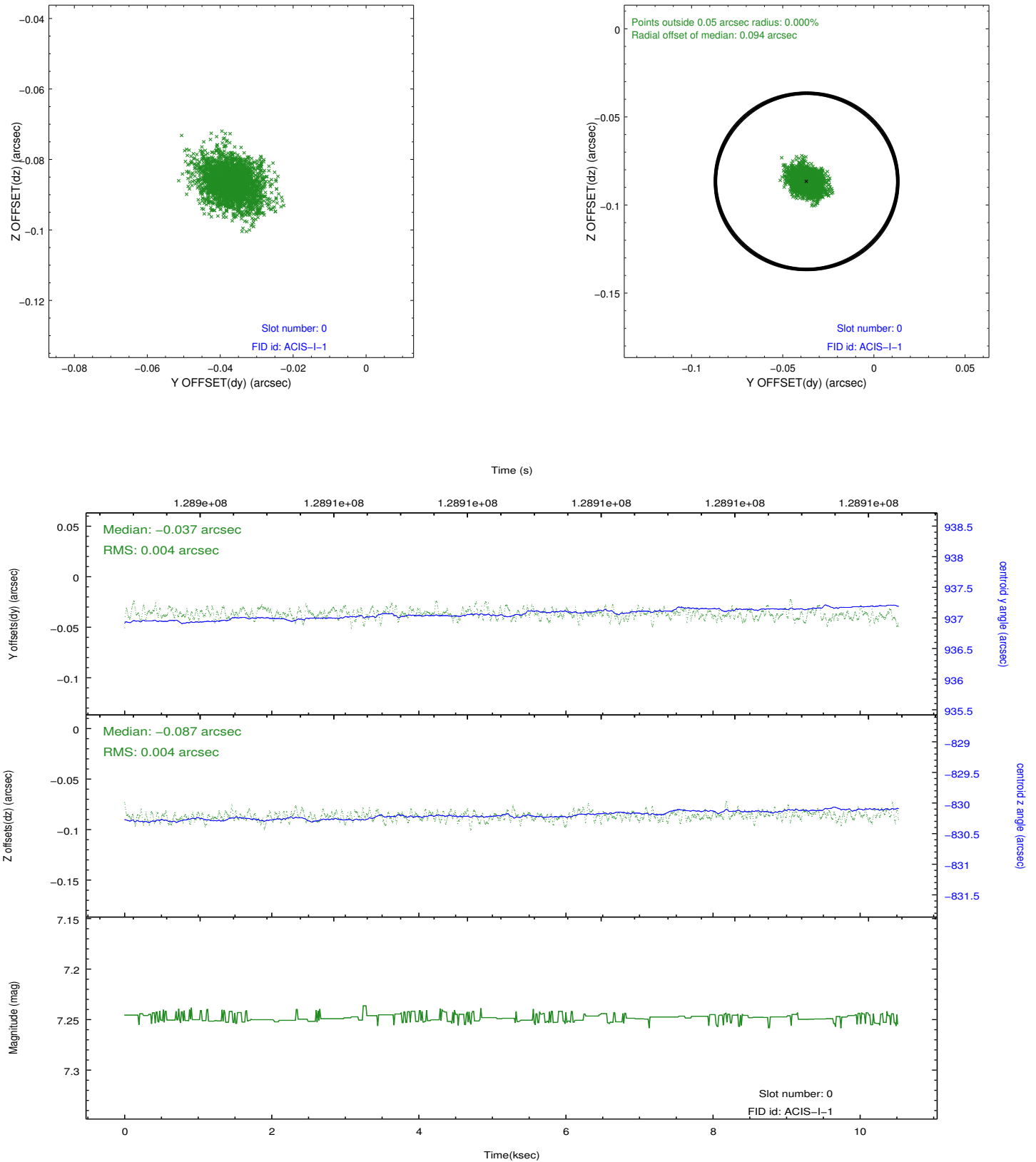


2.4.5 Slot 7

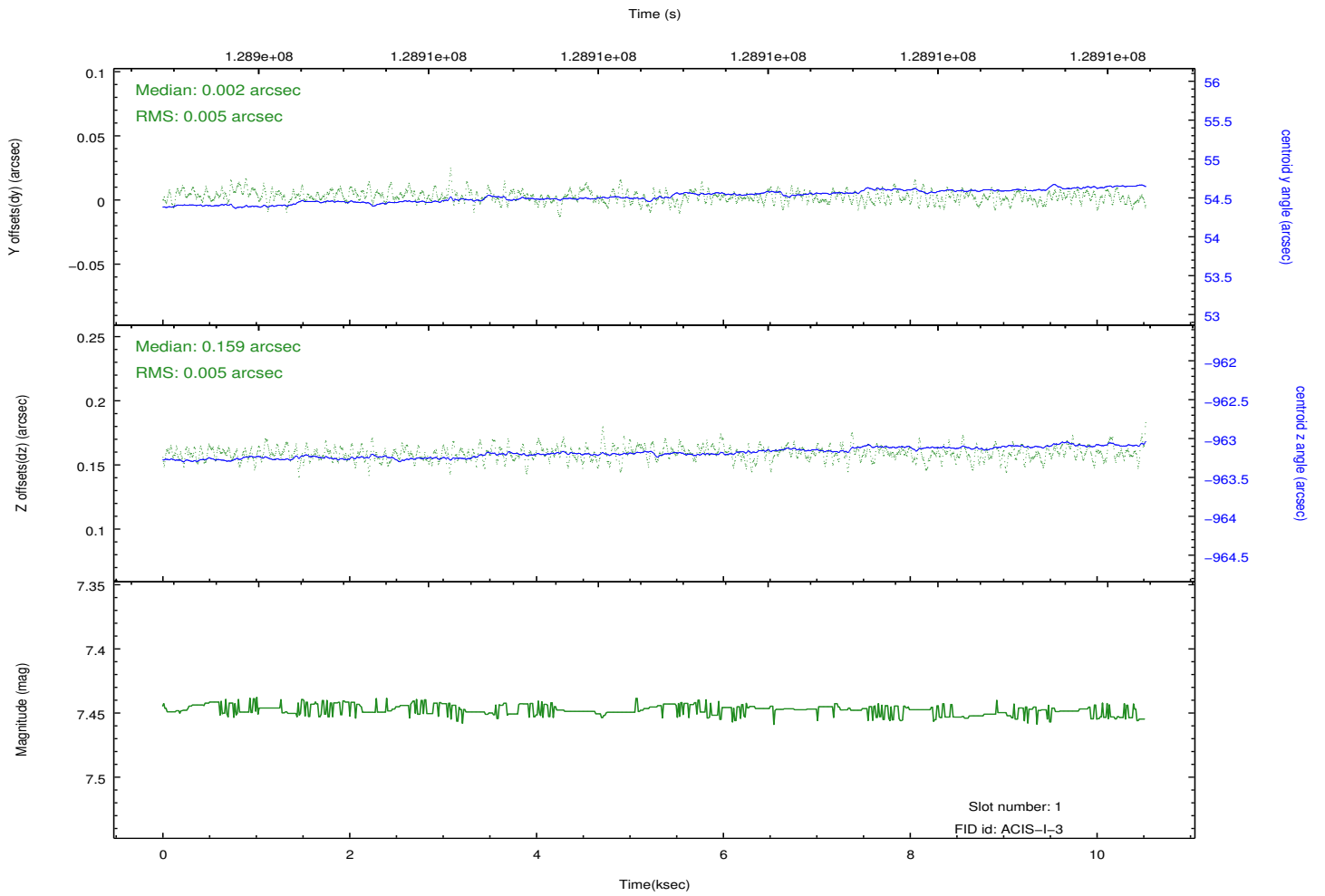
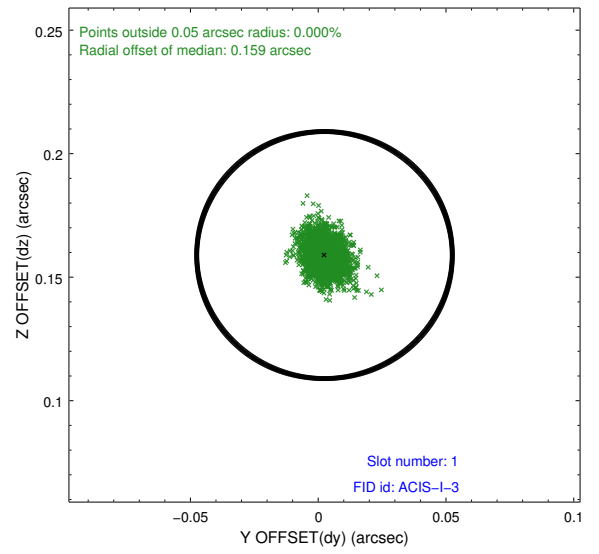
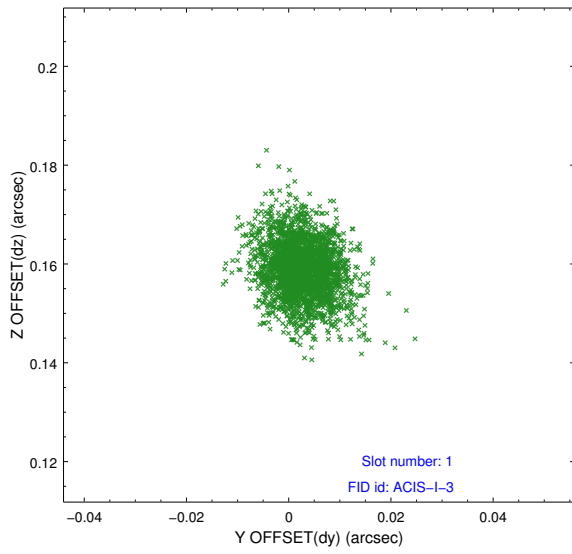


2.5 FID Slots

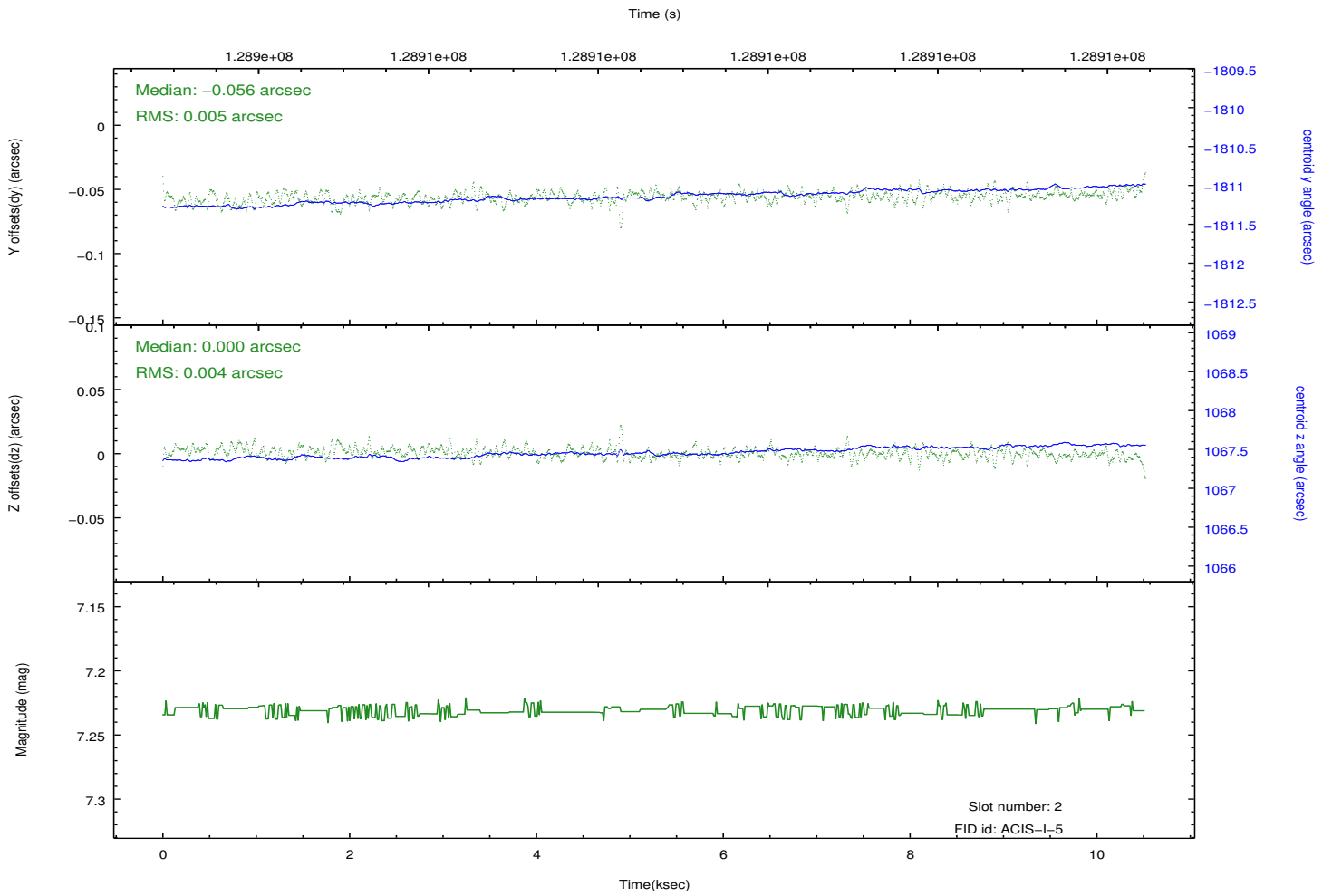
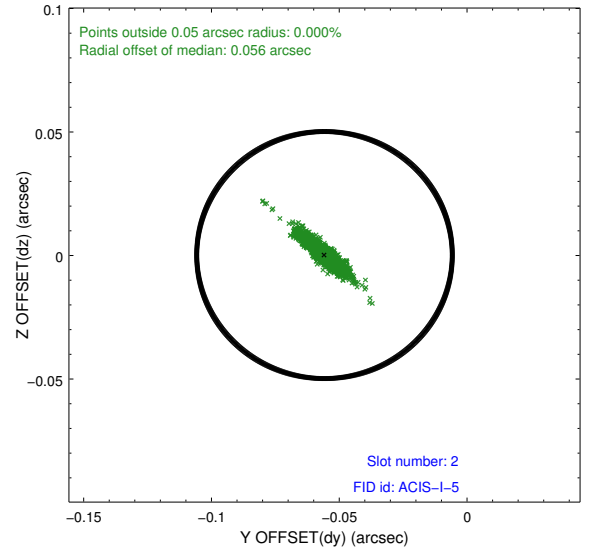
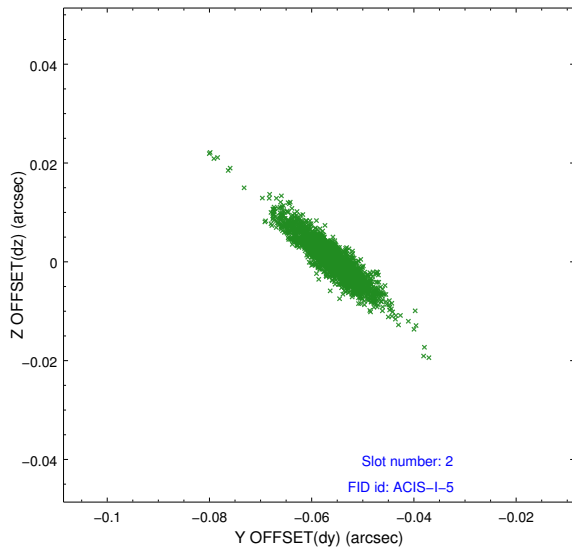
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.968

A.2 Comments