

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8610 - L2 Version 2
Chandra X-Ray Center

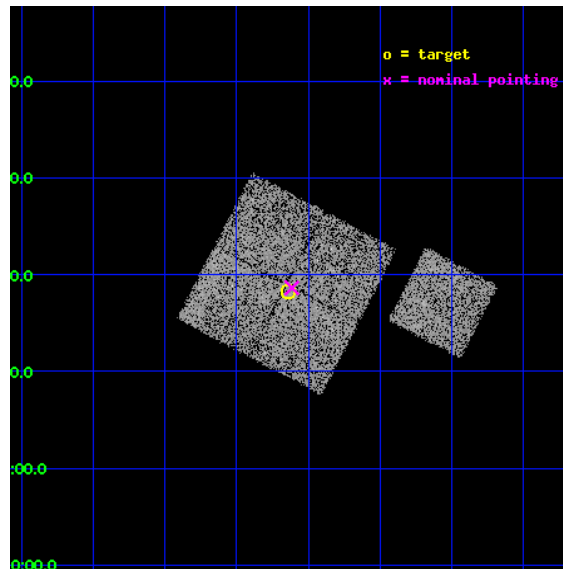
L2 Processing Date : May 19 2012

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1 Front

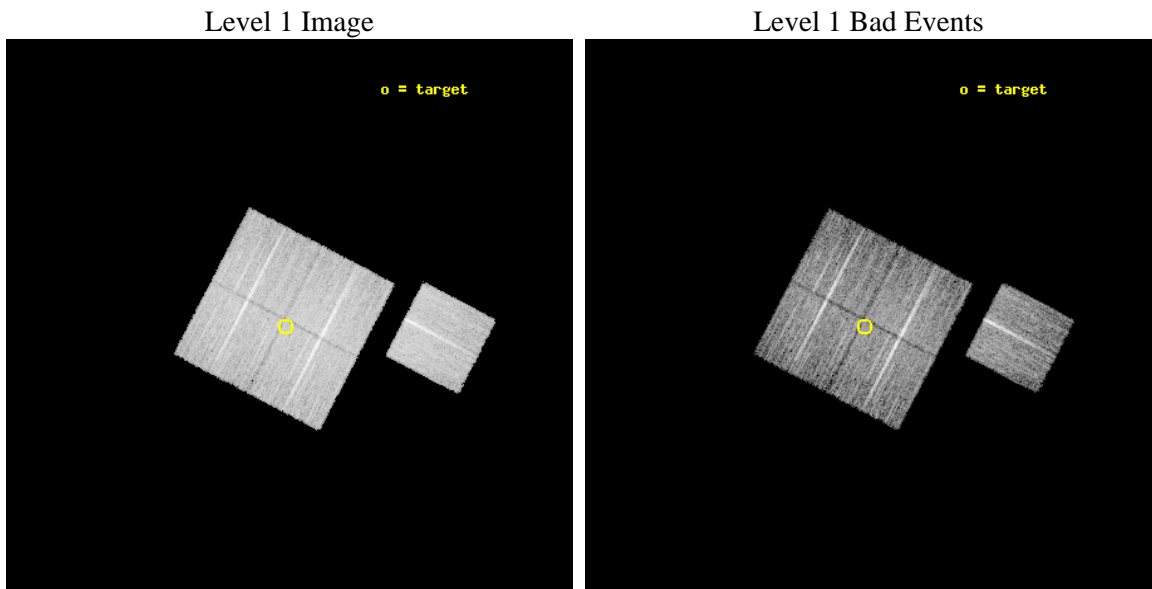
seq_num	900747	Sequence number
obs_id	8610	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	352.15938	Observer's specified target RA [deg]
dec_targ	0.304731	Observer's specified target Dec [deg]
ra_nom	352.15368771934	Nominal RA [deg]
dec_nom	0.3104746736878	Nominal Dec [deg]
roll_nom	117.50872397011	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8955.8590685725	Sum of GTIs [s]
livetime	8838.8441766341	Livetime [s]
ontime0	8959.000068903	Sum of GTIs [s]
ontime1	8959.000068903	Sum of GTIs [s]
ontime2	8955.8590586782	Sum of GTIs [s]
ontime3	8955.8590685725	Sum of GTIs [s]
ontime6	8959.000068903	Sum of GTIs [s]
l2events	31508	Number of level 2 events



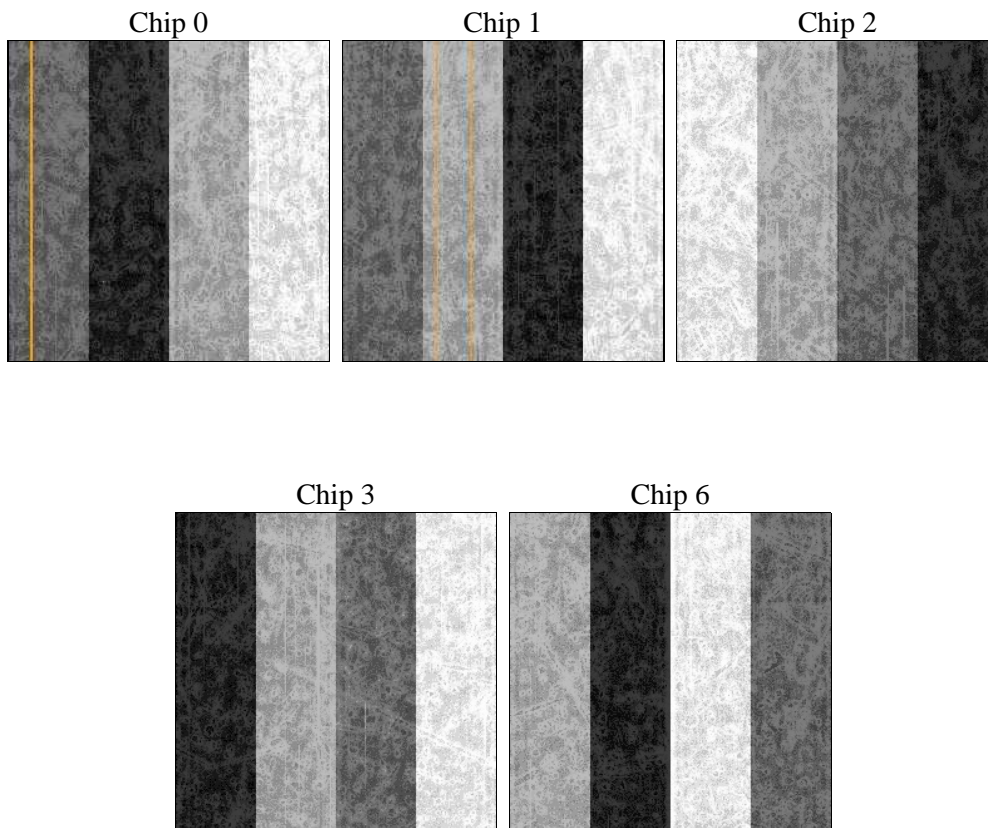
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8771.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8955.8590685725	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8959.000068903	Sum of GTIs [s]
date	2012-05-19T01:58:06	Date and time of file creation	ontime1	8959.000068903	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8955.8590586782	Sum of GTIs [s]
			ontime3	8955.8590685725	Sum of GTIs [s]
			ontime6	8959.000068903	Sum of GTIs [s]
			l1events	372297	Number of level 1 events

2.1.4 Events

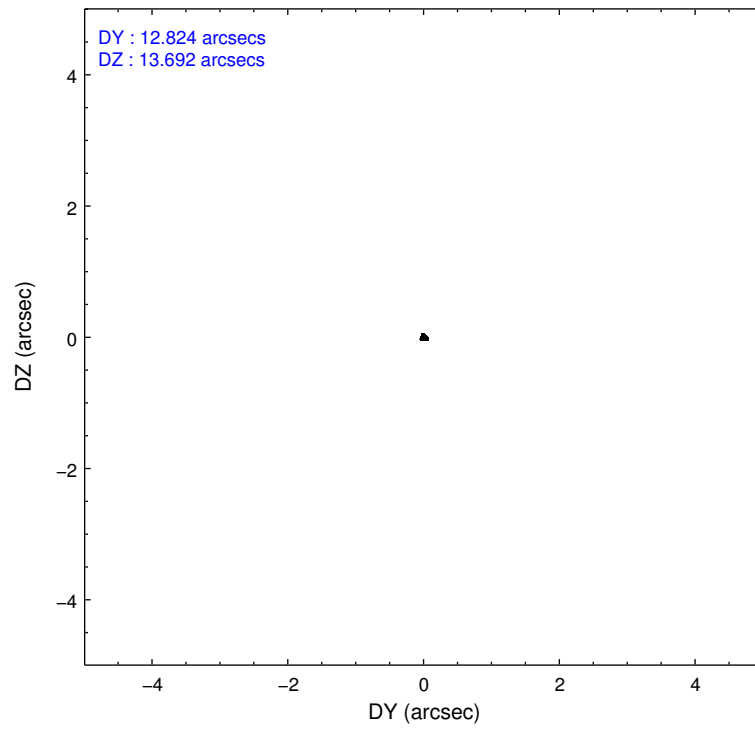
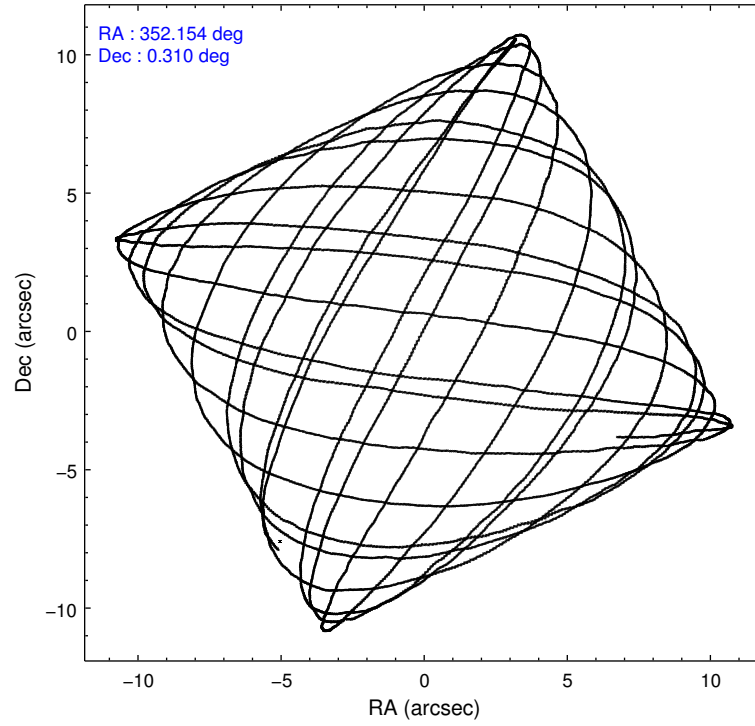
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	68999	73527	79184	75391	75196
rejected events	61599	65135	71720	68402	67605
rejected %	89%	88%	90%	90%	89%

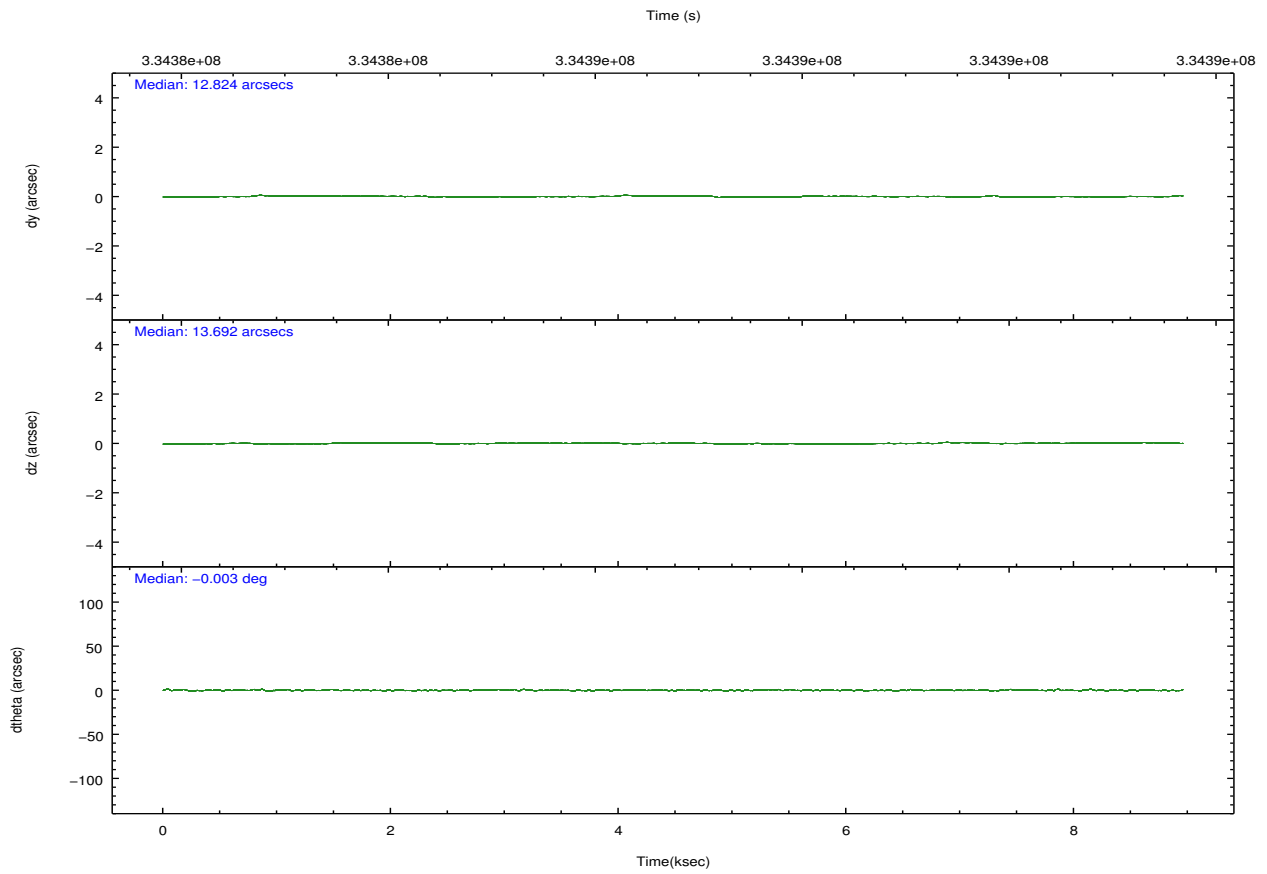
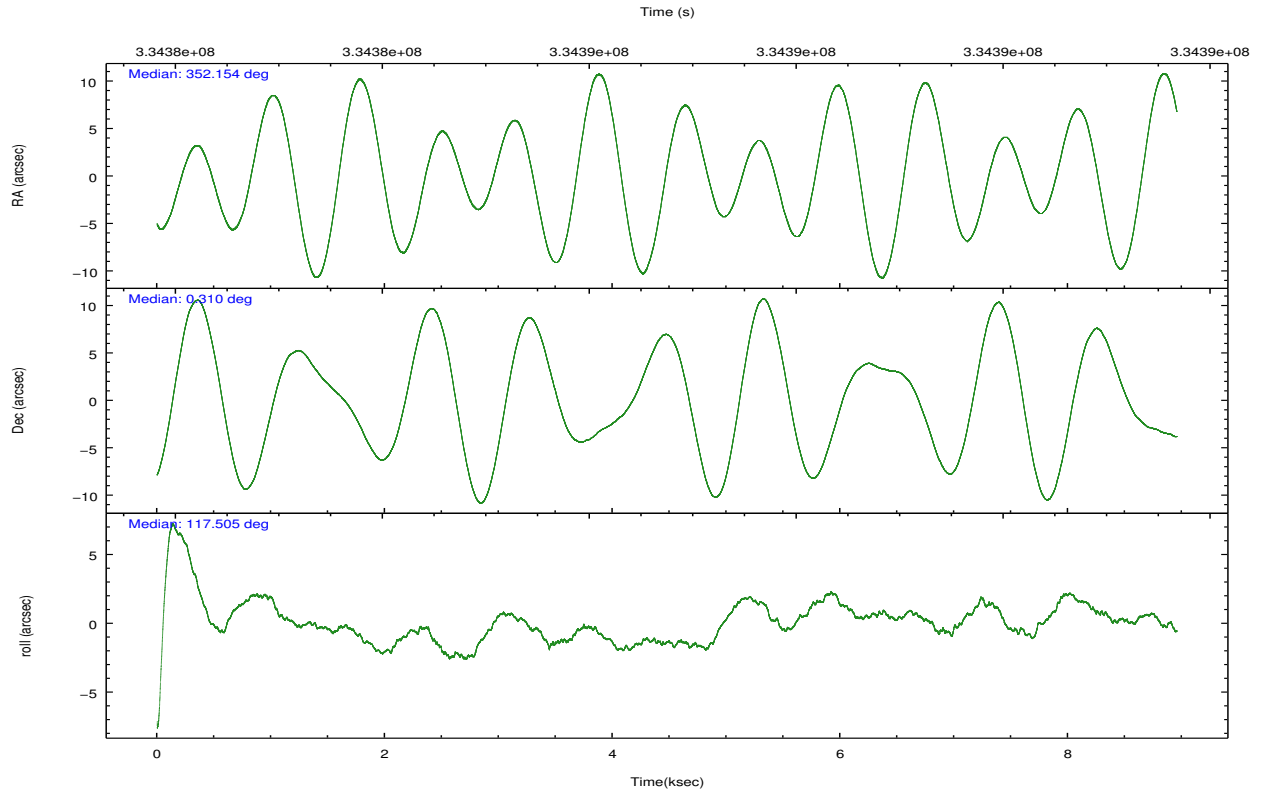
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2520	3068	2911	2516	2747
	3%	4%	3%	3%	3%
grade 1 events	45	47	52	39	36
	0%	0%	0%	0%	0%
grade 2 events	1923	1957	1823	1559	1797
	2%	2%	2%	2%	2%
grade 3 events	861	944	748	845	827
	1%	1%	0%	1%	1%
grade 4 events	822	935	828	793	825
	1%	1%	1%	1%	1%
grade 5 events	2648	3023	2583	3202	3145
	3%	4%	3%	4%	4%
grade 6 events	1533	1797	1439	1505	1672
	2%	2%	1%	1%	2%
grade 7 events	58647	61756	68800	64932	64147
	84%	83%	86%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	352.176933	352.1536877193356	CCD I2 on	Y	Y
[deg] Pointing Dec	0.295789	0.3104746736877968	CCD I3 on	Y	Y
[deg] Pointing Roll	117.299904	117.5087239701064	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	334382462.184000	334382082.6086	CCD S5 on	N	N
Observation start date	2008-08-06T03:59:57	2008-08-06T03:54:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334391233.184000	334391367.57156	On-chip summing requested	N	N
Observation end date	2008-08-06T06:26:08	2008-08-06T06:29:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





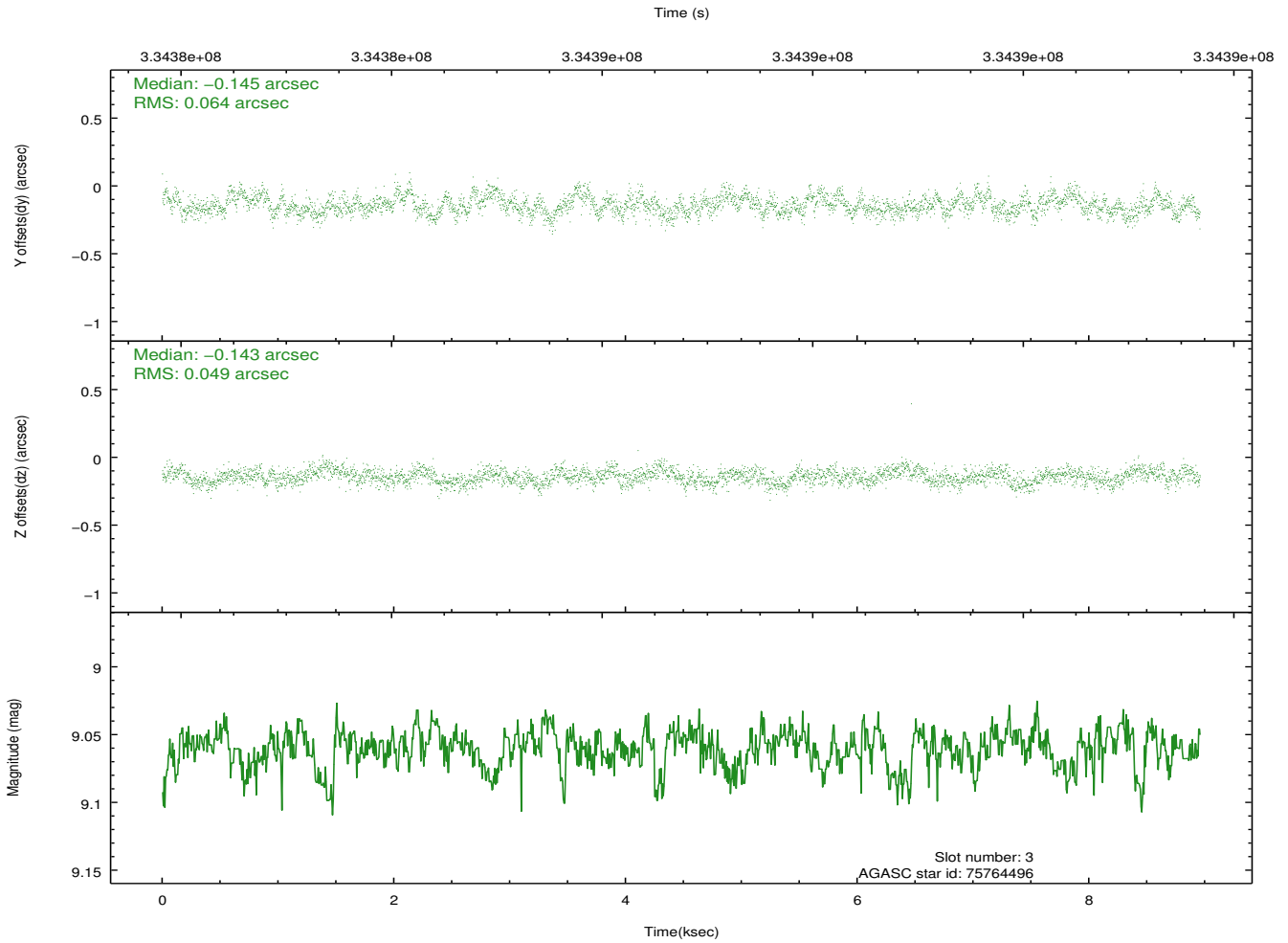
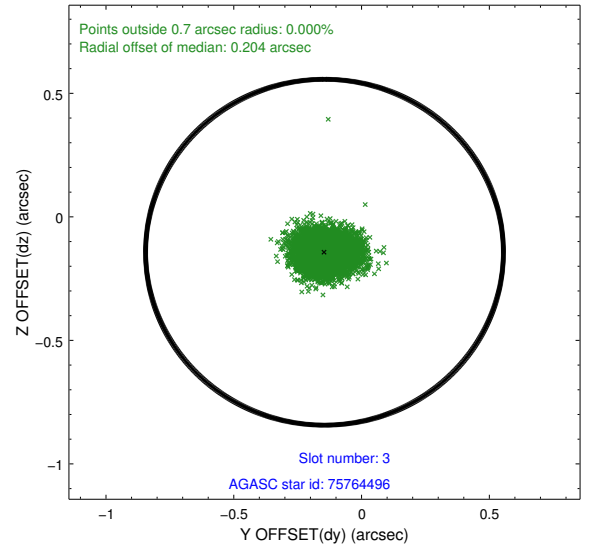
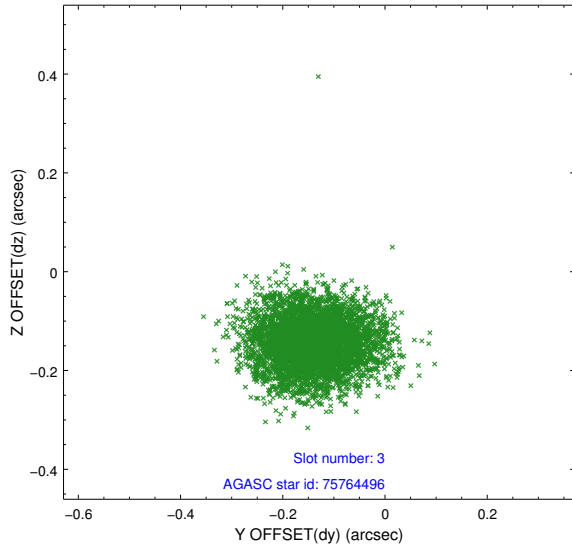
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	2185	0.017	0.031	0.006	0.010	0.000000	0.000000	926.72	-837.22
1	FID	ACIS-I-5	7.05	2185	-0.182	0.037	0.006	0.011	0.000000	0.000000	-1821.27	1059.94
2	FID	ACIS-I-6	7.06	2185	0.074	0.002	0.007	0.011	0.000000	0.000000	391.63	1705.13
3	GUIDE	75764496	9.06	4367	-0.145	-0.143	0.086	0.139	351.852841	0.722290	1899.59	332.84
4	GUIDE	75765560	8.72	4365	-0.120	0.173	0.086	0.141	352.396148	1.103727	2223.61	-2034.61
5	GUIDE	75767616	7.92	4368	0.095	0.009	0.085	0.151	352.482941	1.163750	2272.71	-2412.05
6	GUIDE	75769104	8.64	4368	-0.116	-0.172	0.076	0.121	351.845083	0.370778	788.35	937.56
7	GUIDE	688265896	9.16	4367	0.282	0.135	0.079	0.129	352.587516	-0.177872	-2192.50	-531.05

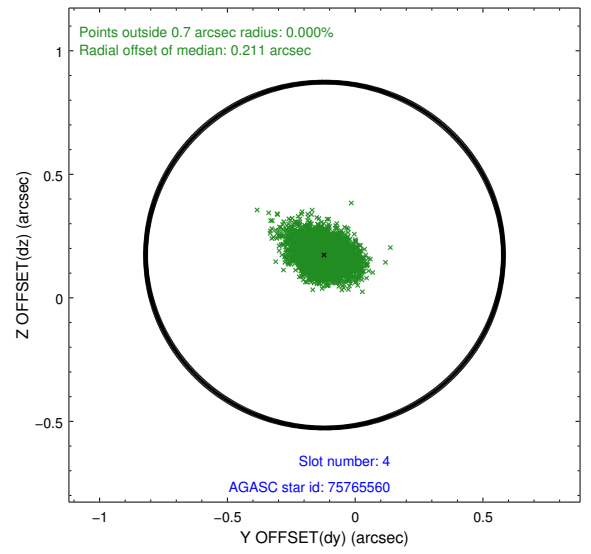
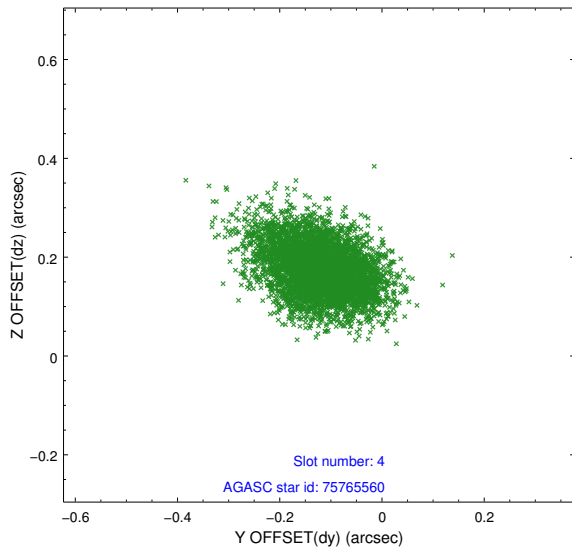
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2.4 Star Slots

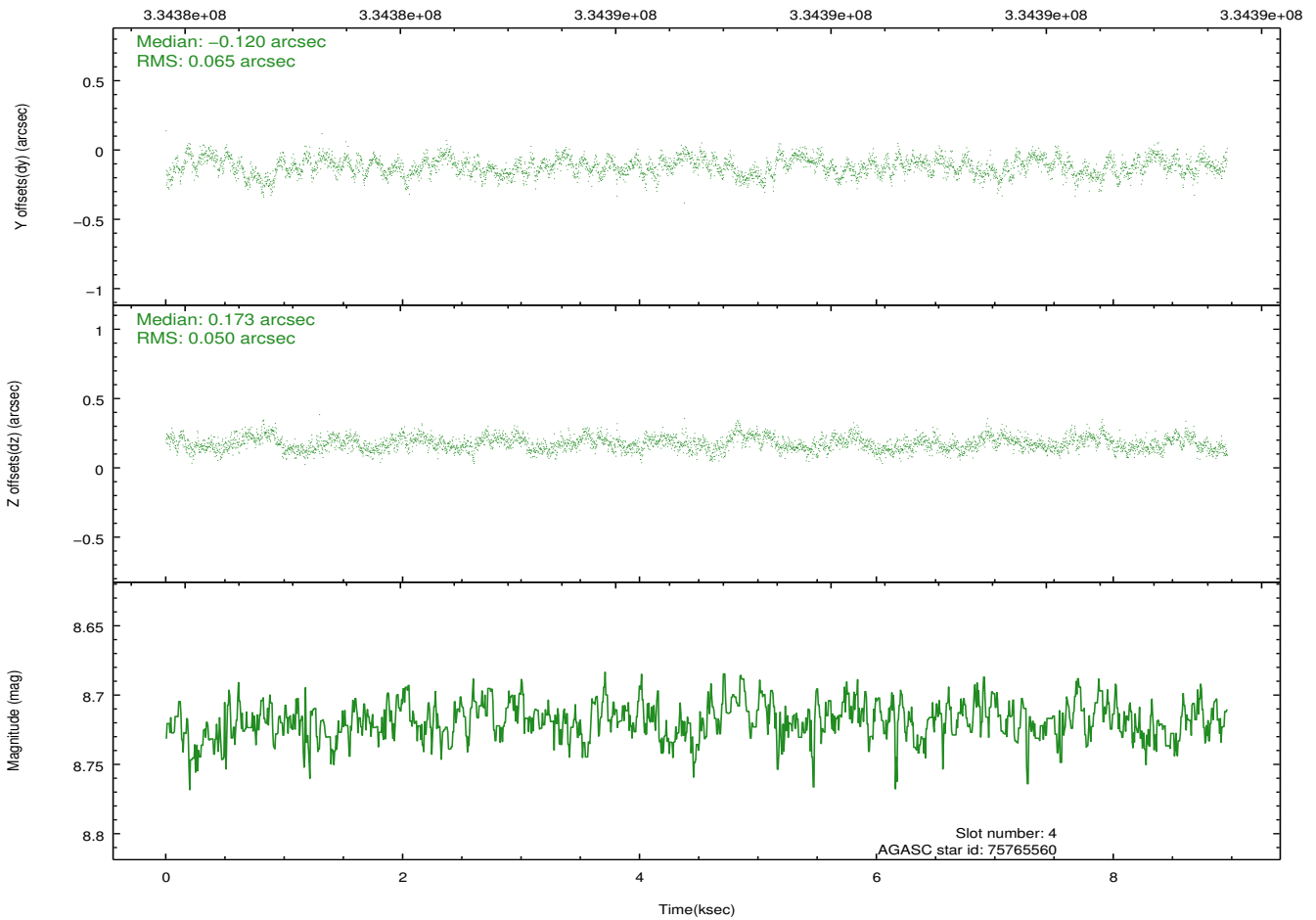
2.4.1 Slot 3



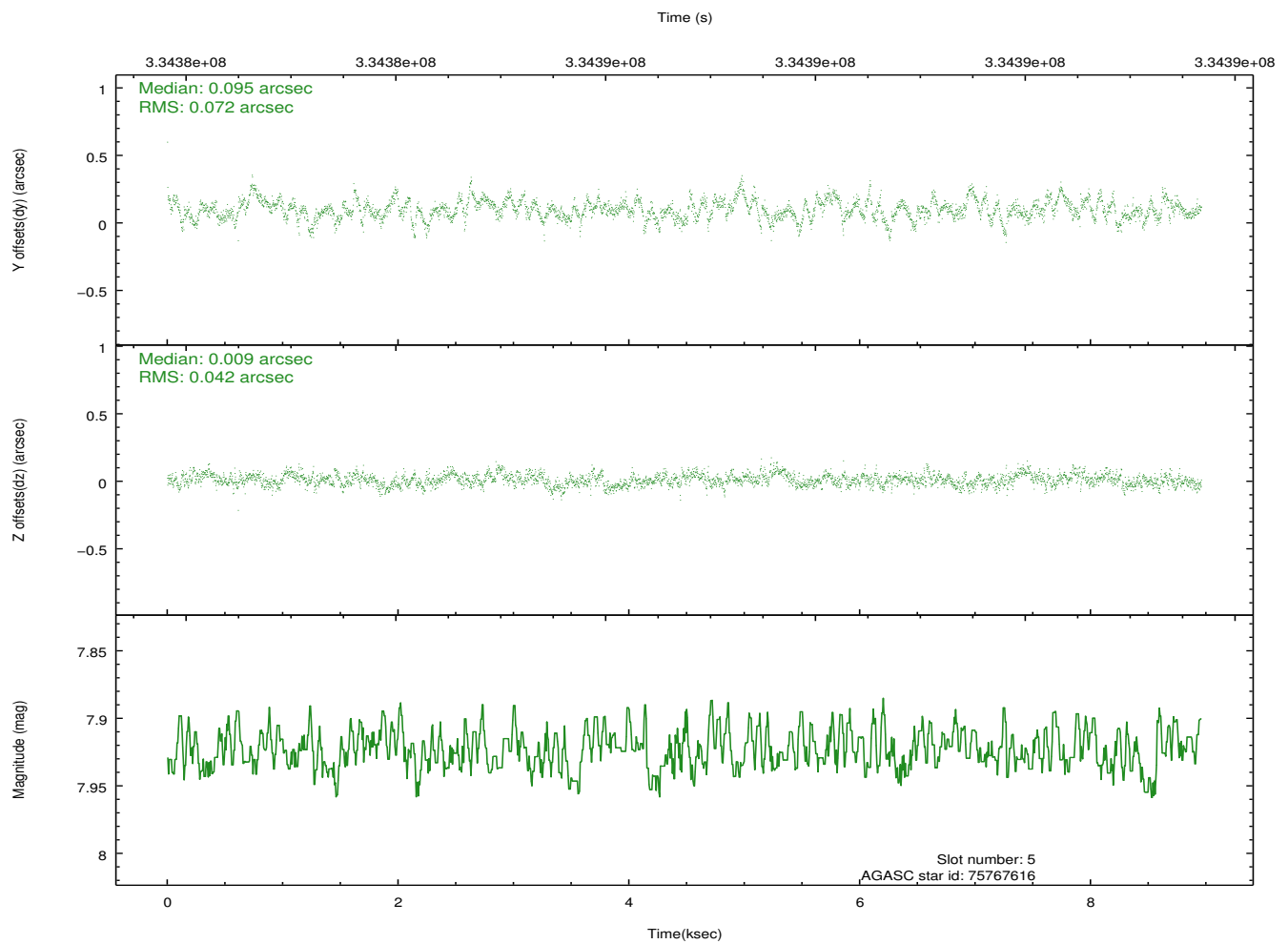
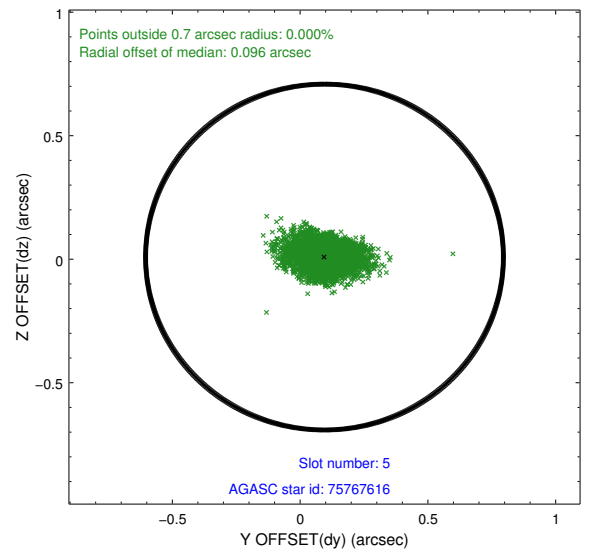
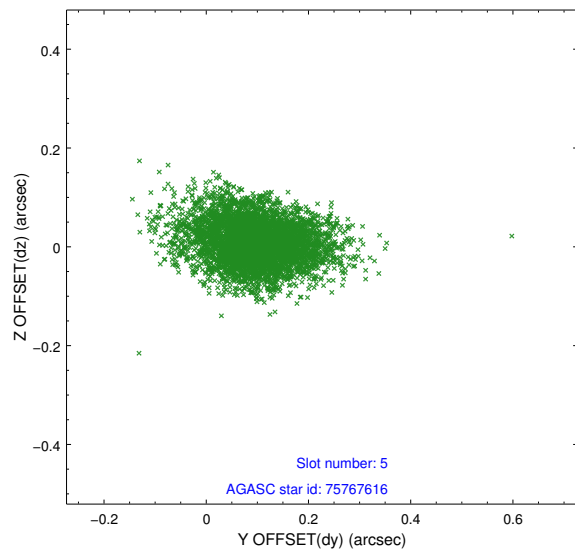
2.4.2 Slot 4



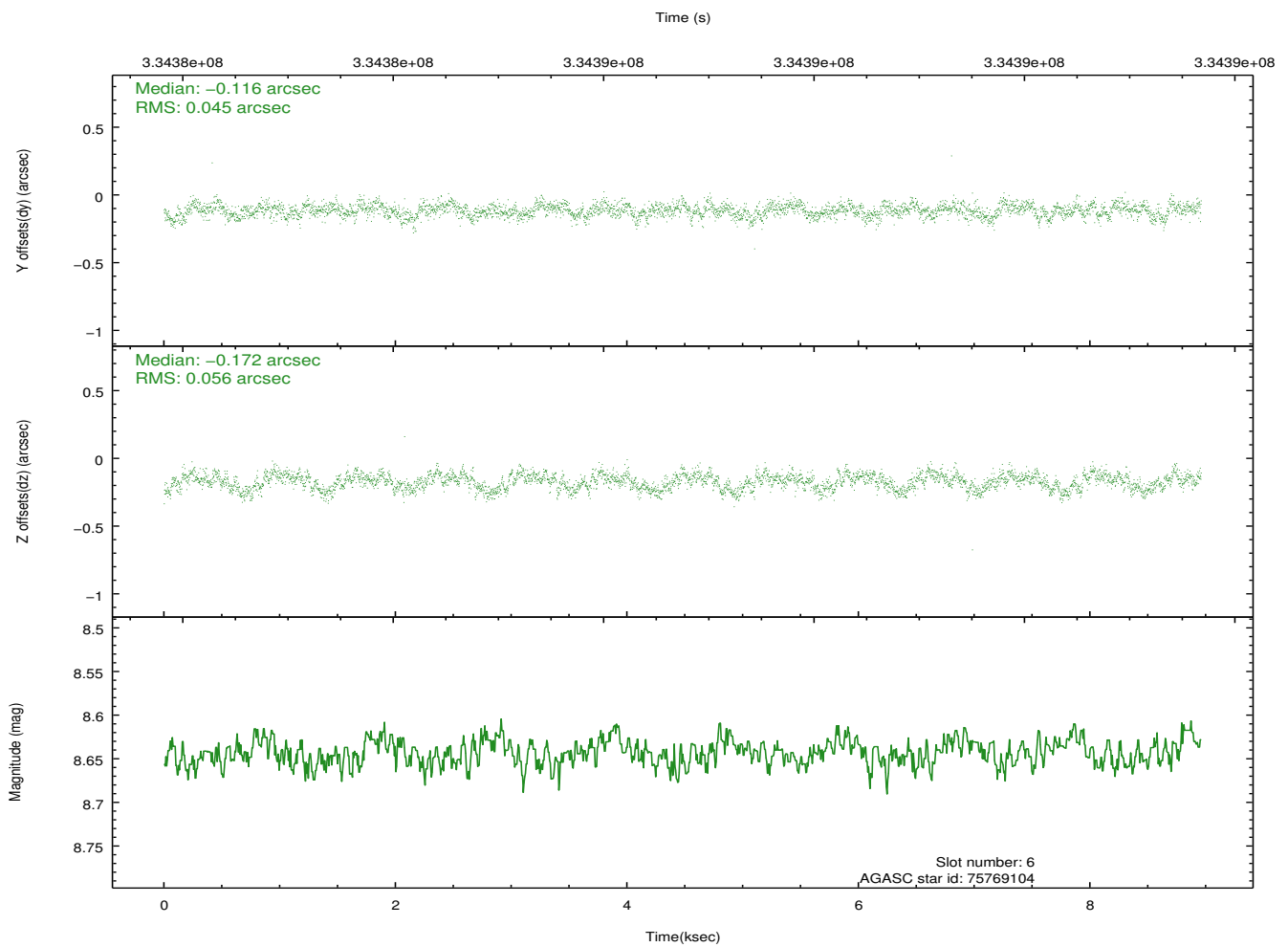
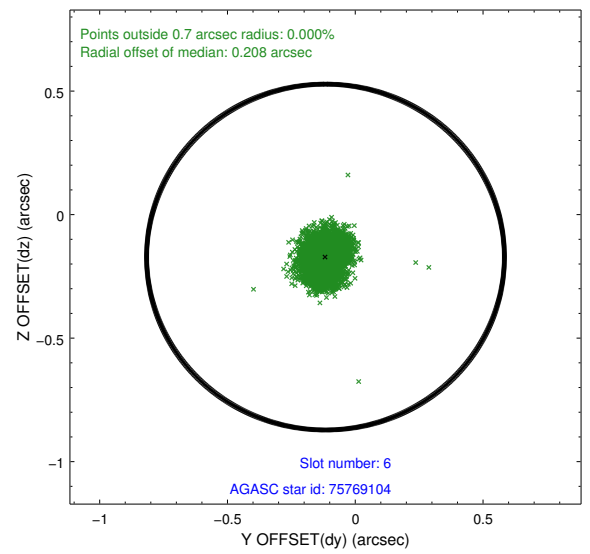
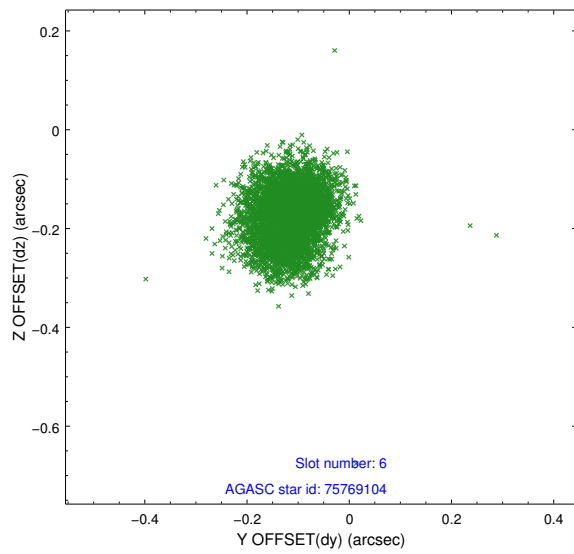
Time (s)



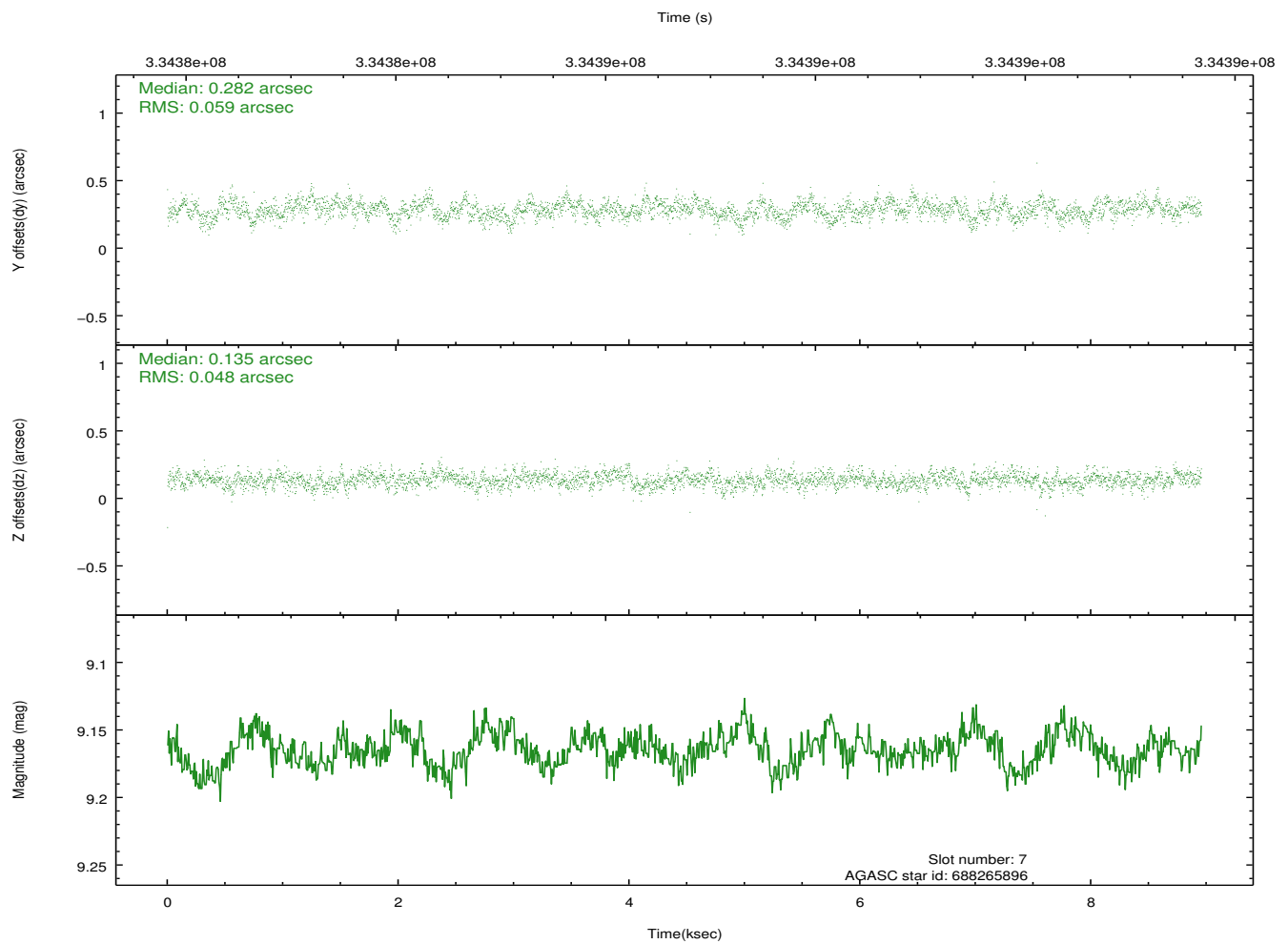
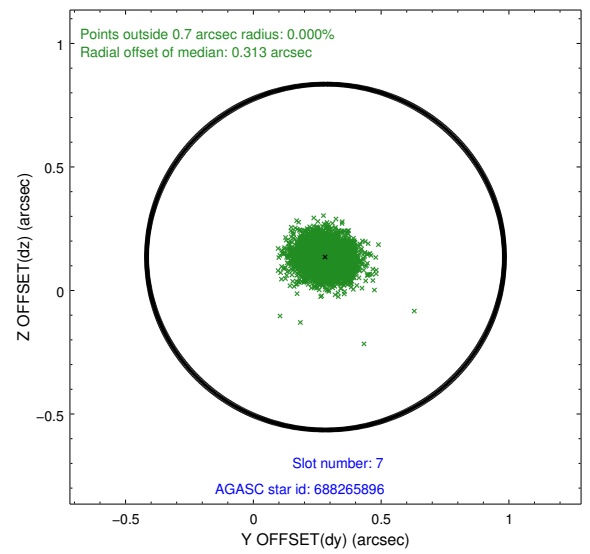
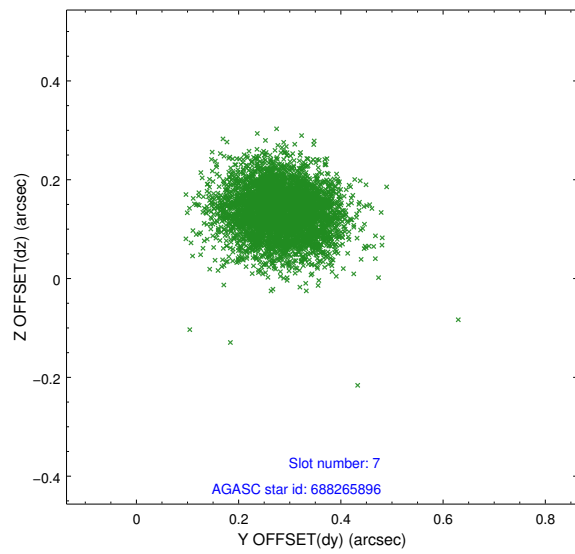
2.4.3 Slot 5



2.4.4 Slot 6

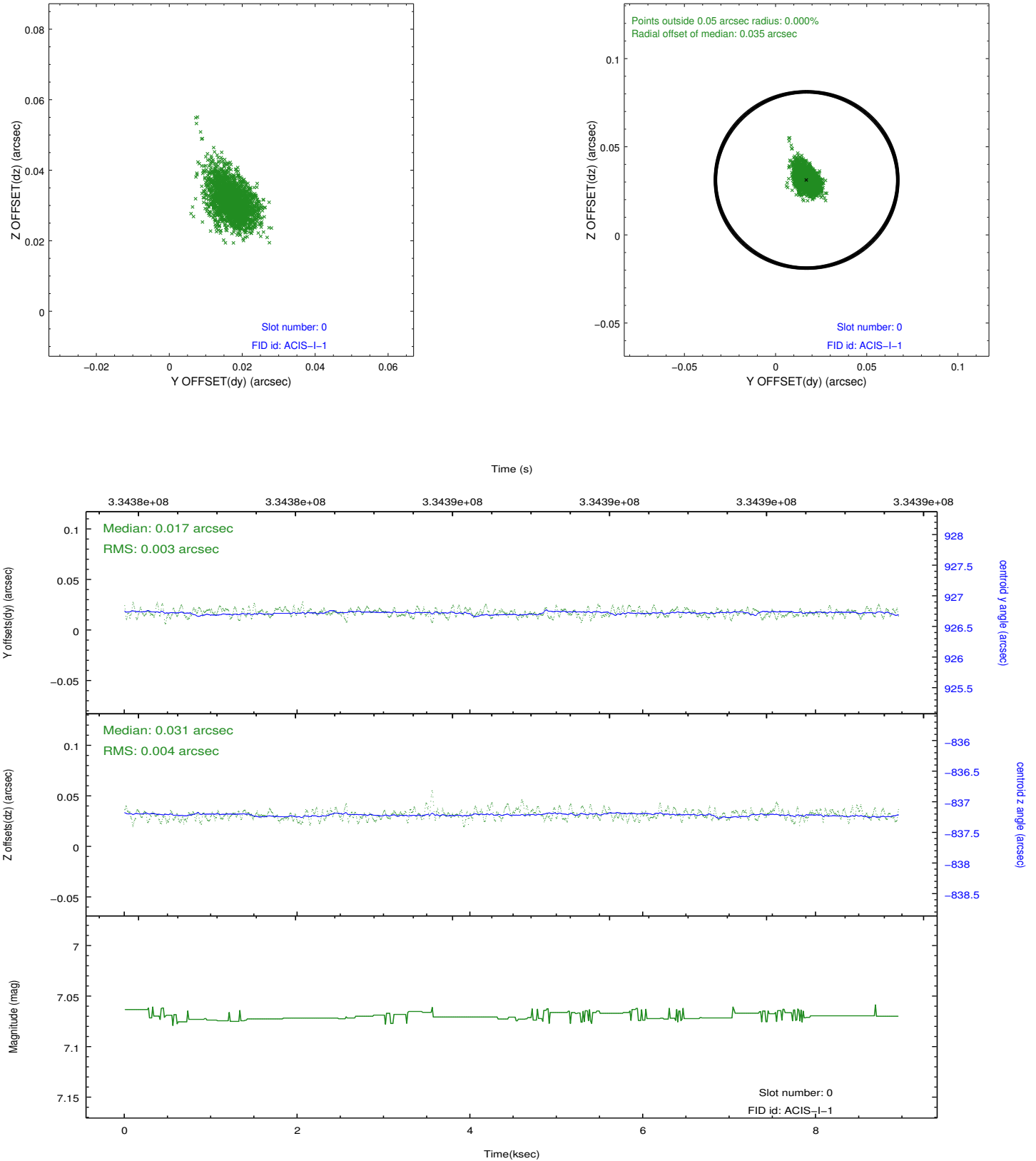


2.4.5 Slot 7

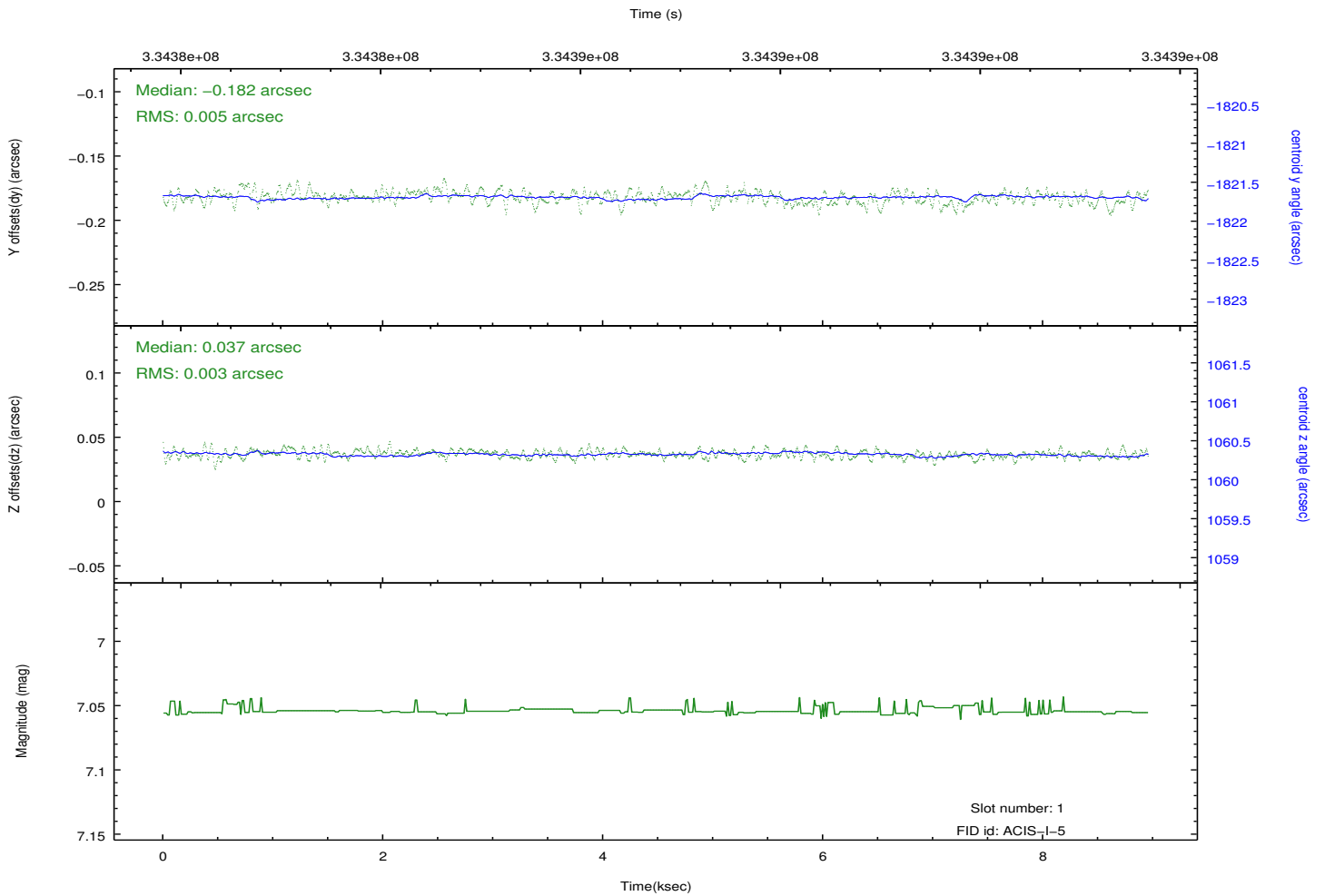
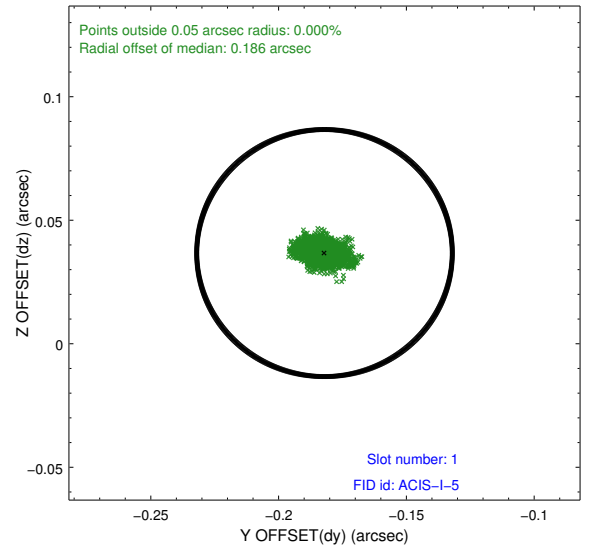
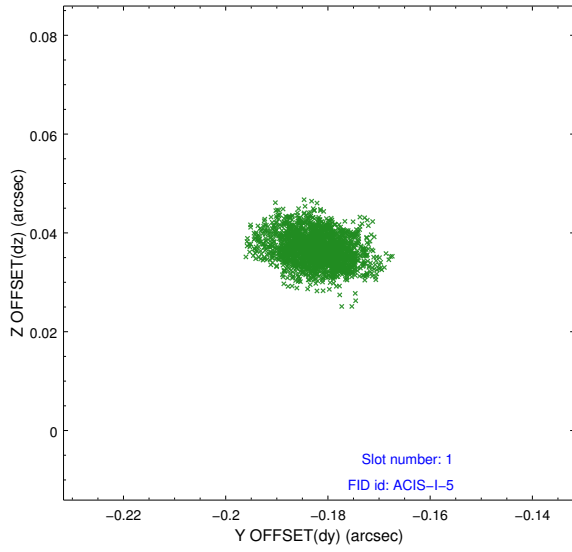


2.5 FID Slots

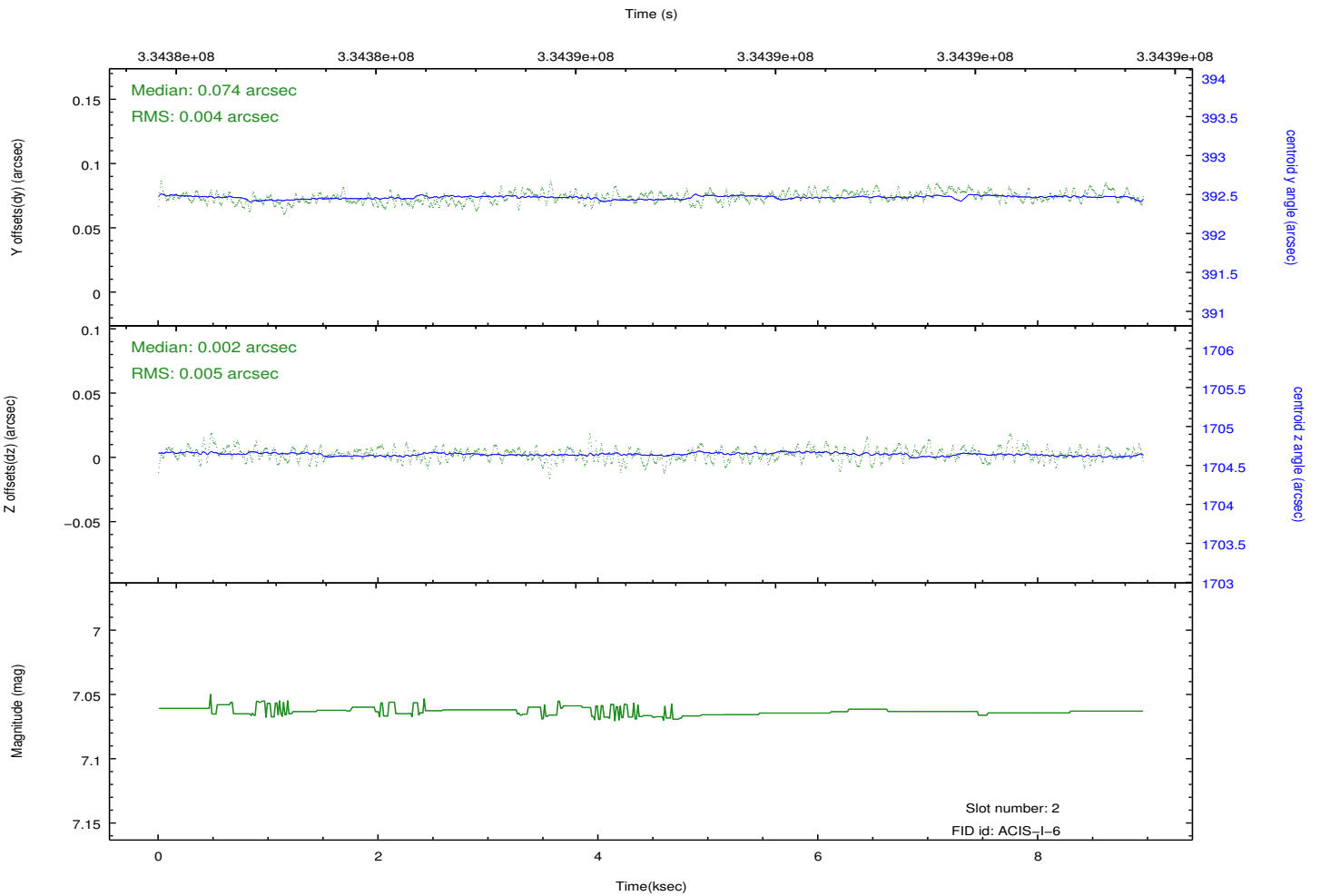
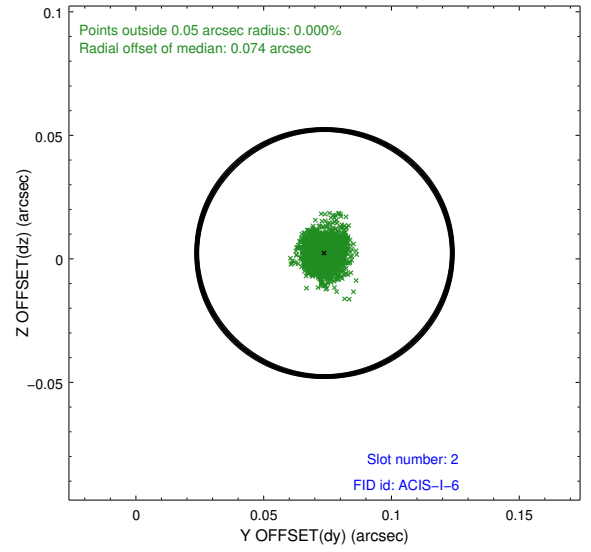
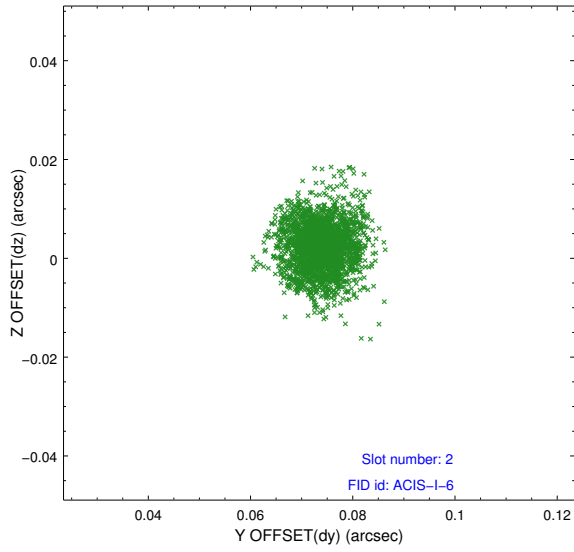
2.5.1 Slot 0



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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.95585906

A.2 Comments