

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8615 - L2 Version 2
Chandra X-Ray Center

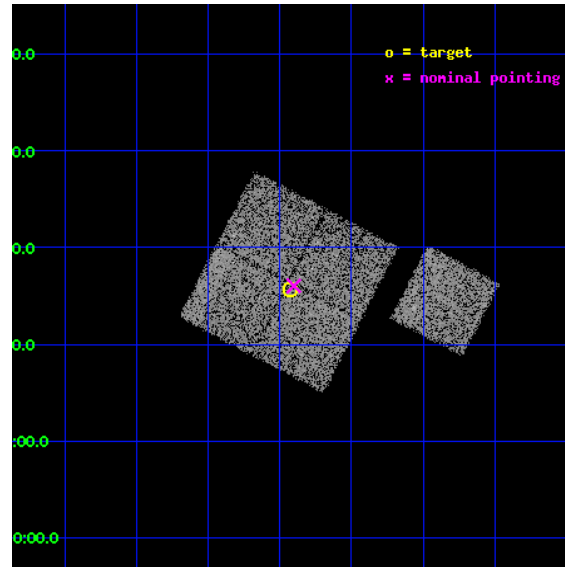
L2 Processing Date : May 19 2012

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1 Front

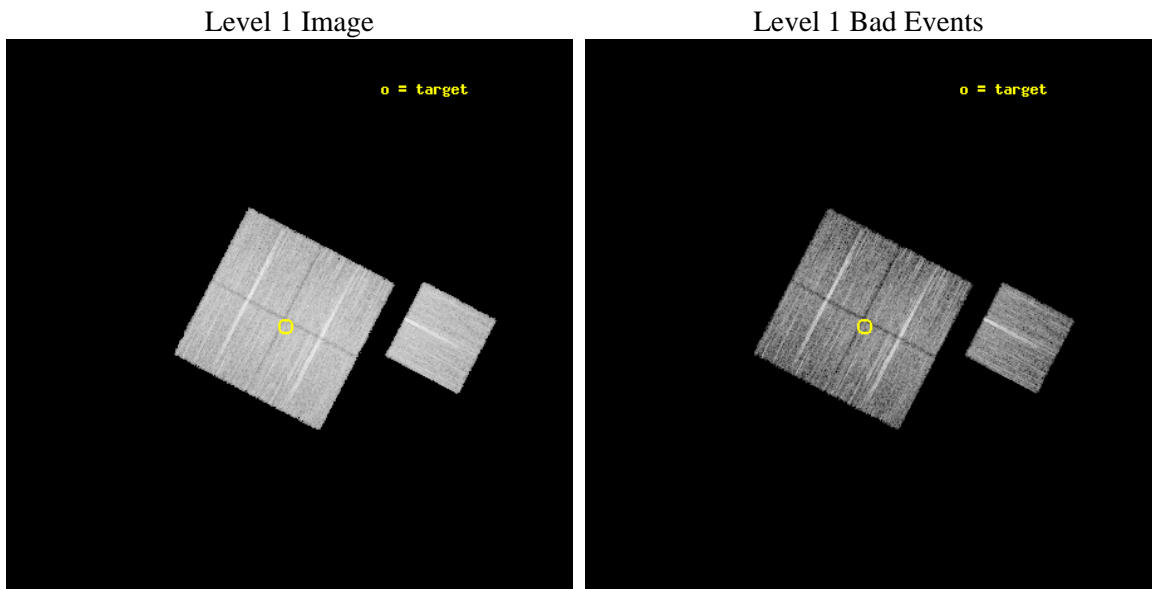
seq_num	900752	Sequence number
obs_id	8615	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	351.48138	Observer's specified target RA [deg]
dec_targ	0.261558	Observer's specified target Dec [deg]
ra_nom	351.4756332621	Nominal RA [deg]
dec_nom	0.26725589673281	Nominal Dec [deg]
roll_nom	117.50871817873	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8959.000068903	Sum of GTIs [s]
livetime	8841.9441374829	Livetime [s]
ontime0	8955.8590487242	Sum of GTIs [s]
ontime1	8955.8590785265	Sum of GTIs [s]
ontime2	8959.000068903	Sum of GTIs [s]
ontime3	8959.000068903	Sum of GTIs [s]
ontime6	8959.000068903	Sum of GTIs [s]
l2events	31336	Number of level 2 events



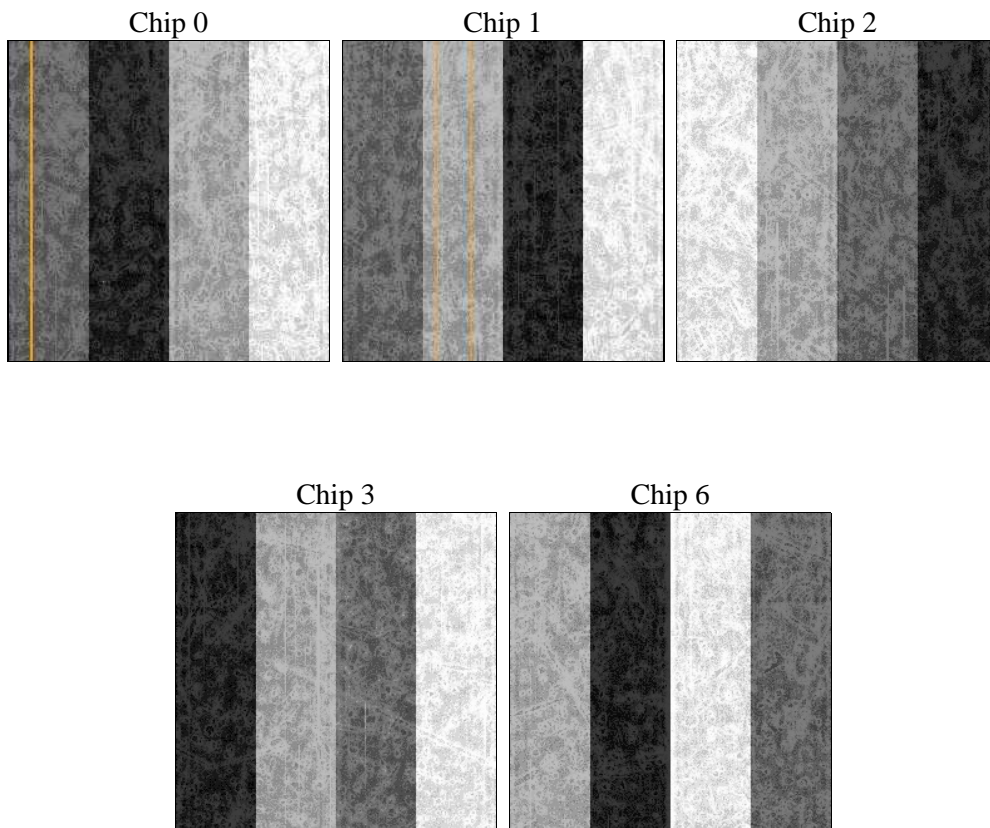
2 OBI

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	8959.000068903	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8955.8590487242	Sum of GTIs [s]
date	2012-05-19T01:57:56	Date and time of file creation	ontime1	8955.8590785265	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8959.000068903	Sum of GTIs [s]
			ontime3	8959.000068903	Sum of GTIs [s]
			ontime6	8959.000068903	Sum of GTIs [s]
			l1events	383034	Number of level 1 events

2.1.4 Events

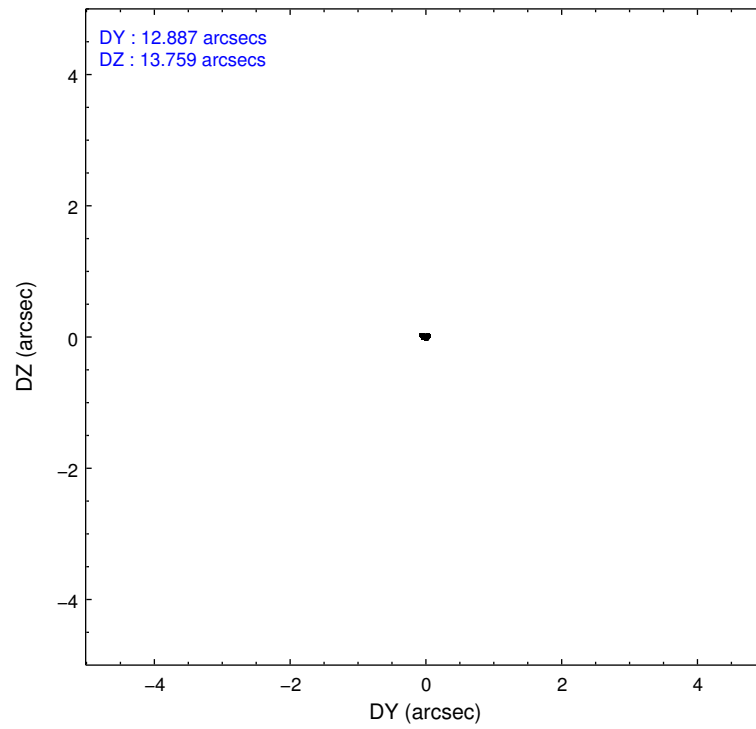
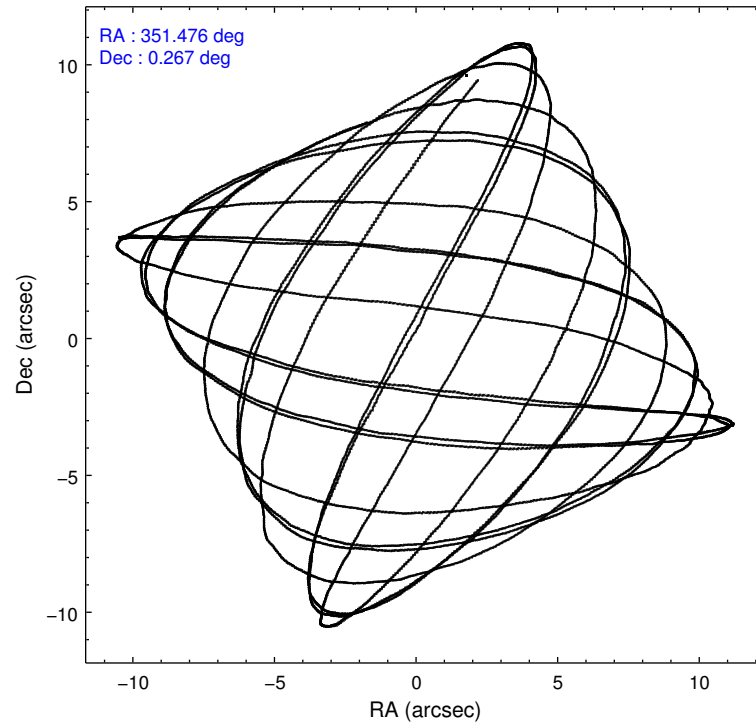
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	72850	71936	82027	76652	79569
rejected events	65512	63645	74643	69641	71781
rejected %	89%	88%	90%	90%	90%

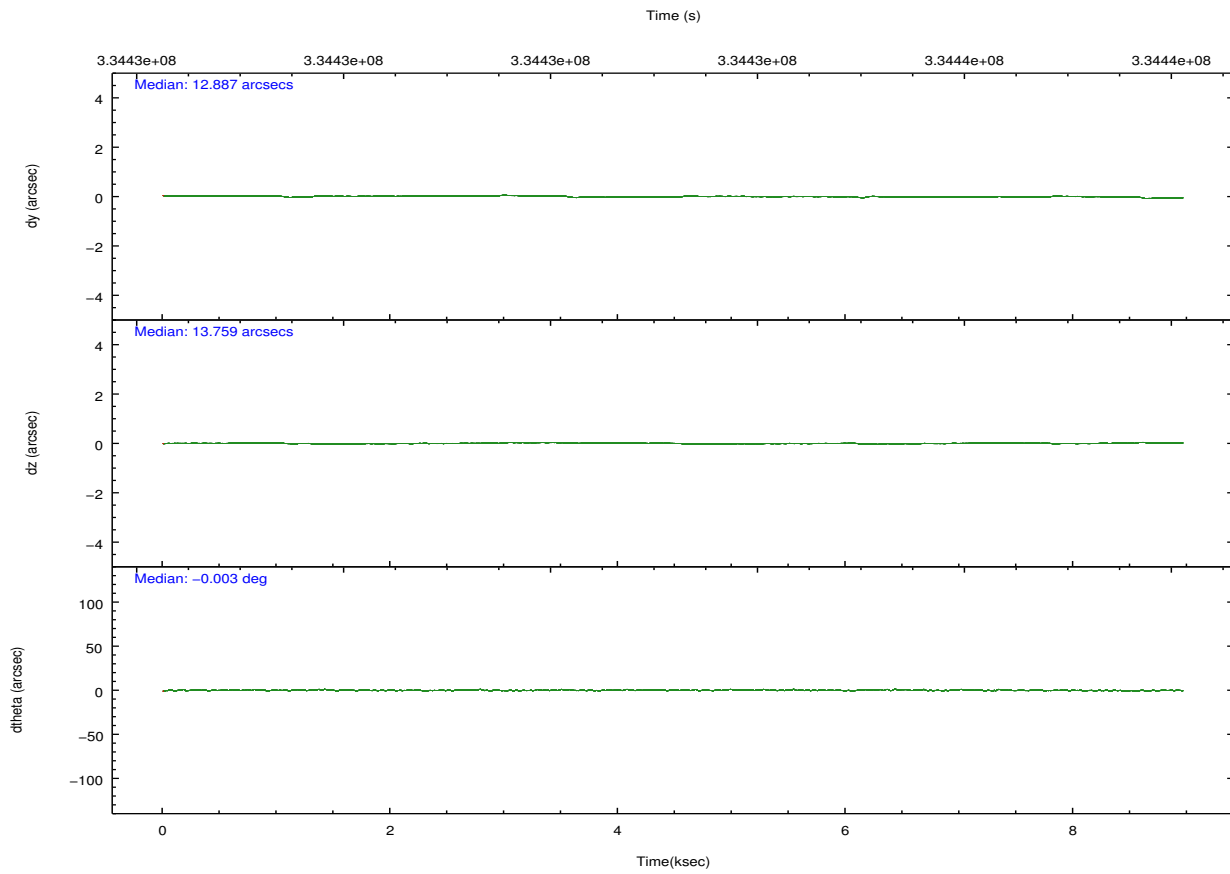
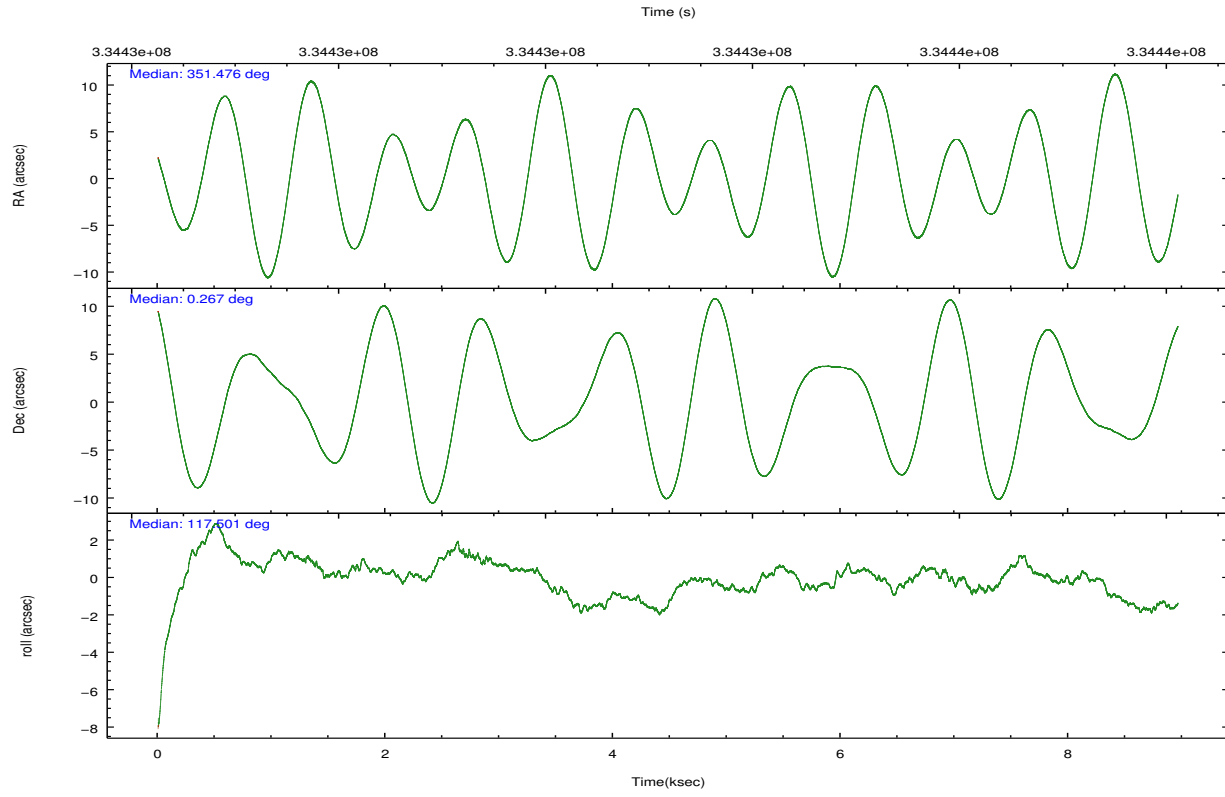
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2677	3073	2797	2423	2858
	3%	4%	3%	3%	3%
grade 1 events	43	44	42	34	39
	0%	0%	0%	0%	0%
grade 2 events	1882	1880	1840	1661	1754
	2%	2%	2%	2%	2%
grade 3 events	835	925	774	876	878
	1%	1%	0%	1%	1%
grade 4 events	760	930	835	808	832
	1%	1%	1%	1%	1%
grade 5 events	2703	2999	2479	3212	3197
	3%	4%	3%	4%	4%
grade 6 events	1448	1786	1408	1511	1745
	1%	2%	1%	1%	2%
grade 7 events	62502	60299	71852	66127	68266
	85%	83%	87%	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	351.498940	351.4756332621011	CCD I2 on	Y	Y
[deg] Pointing Dec	0.252616	0.2672558967328131	CCD I3 on	Y	Y
[deg] Pointing Roll	117.299928	117.5087181787309	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)	334428903.184000	334428508.96088	CCD S5 on	N	N
Observation start date	2008-08-06T16:53:58	2008-08-06T16:48:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334437674.184000	334437815.44884	On-chip summing requested	N	N
Observation end date	2008-08-06T19:20:09	2008-08-06T19:23:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



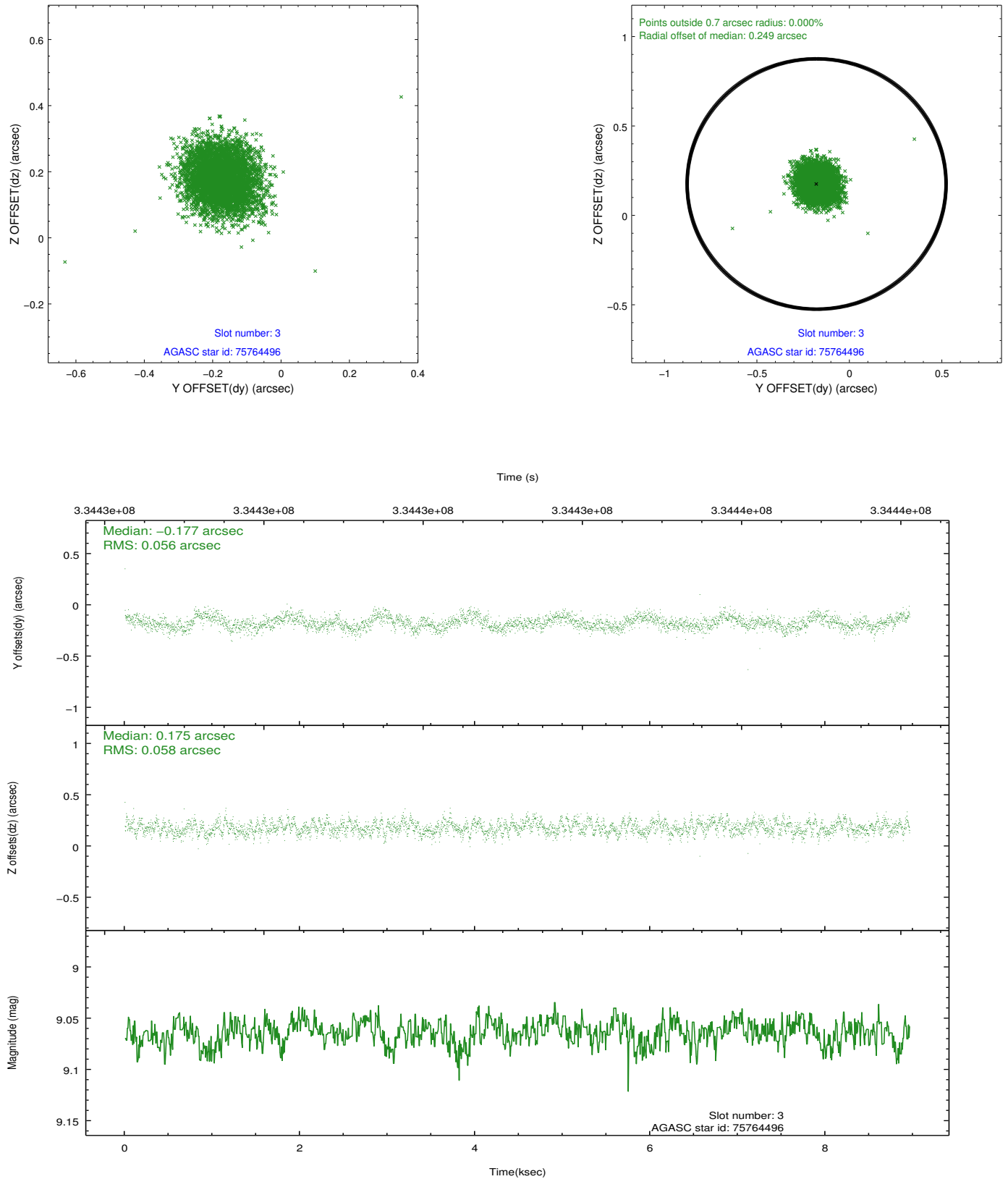


Slot Statistics

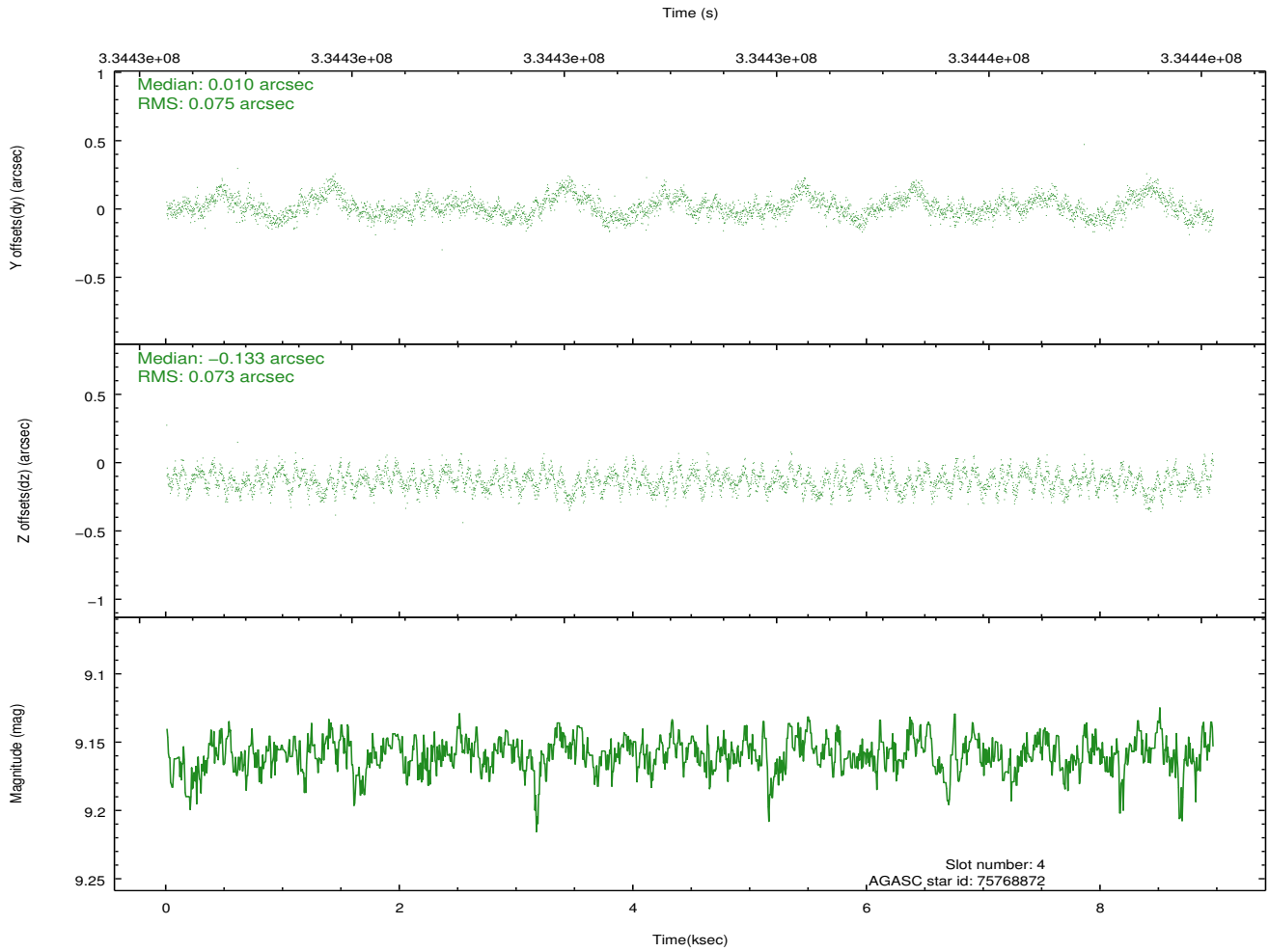
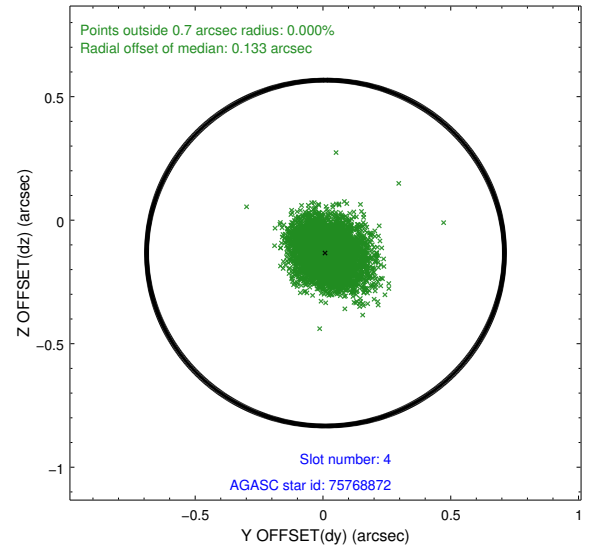
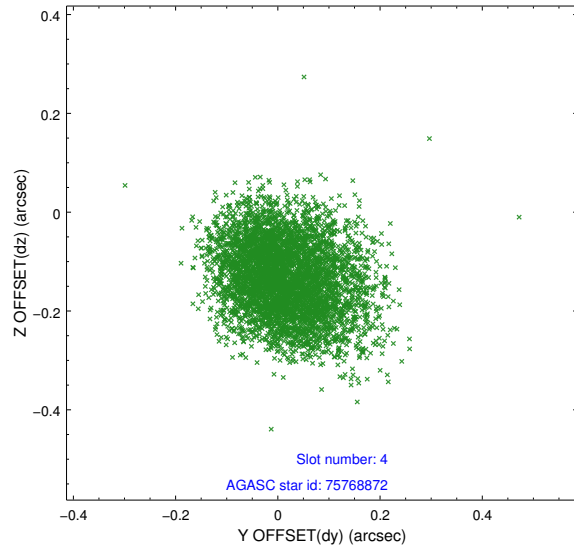
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.07	2186	0.005	0.048	0.006	0.011	0.000000	0.000000	926.65	-837.27
1	FID	ACIS-I-5	7.05	2186	-0.166	0.031	0.006	0.011	0.000000	0.000000	-1821.32	1059.87
2	FID	ACIS-I-6	7.06	2186	0.070	-0.009	0.006	0.011	0.000000	0.000000	391.56	1705.05
3	GUIDE	75764496	9.06	4362	-0.177	0.175	0.085	0.135	351.852841	0.722290	918.62	-1907.16
4	GUIDE	75768872	9.16	4368	0.010	-0.133	0.111	0.176	350.987165	0.298741	992.59	1560.46
5	GUIDE	75769104	8.67	4372	0.035	0.032	0.067	0.114	351.845083	0.370778	-192.86	-1301.80
6	GUIDE	687346912	9.66	4361	0.155	-0.206	0.095	0.157	351.351213	-0.215235	-1252.44	1244.42
7	GUIDE	75770840	6.22	4371	-0.029	0.133	0.068	0.119	351.811642	1.122607	2266.94	-2436.28

2.4 Star Slots

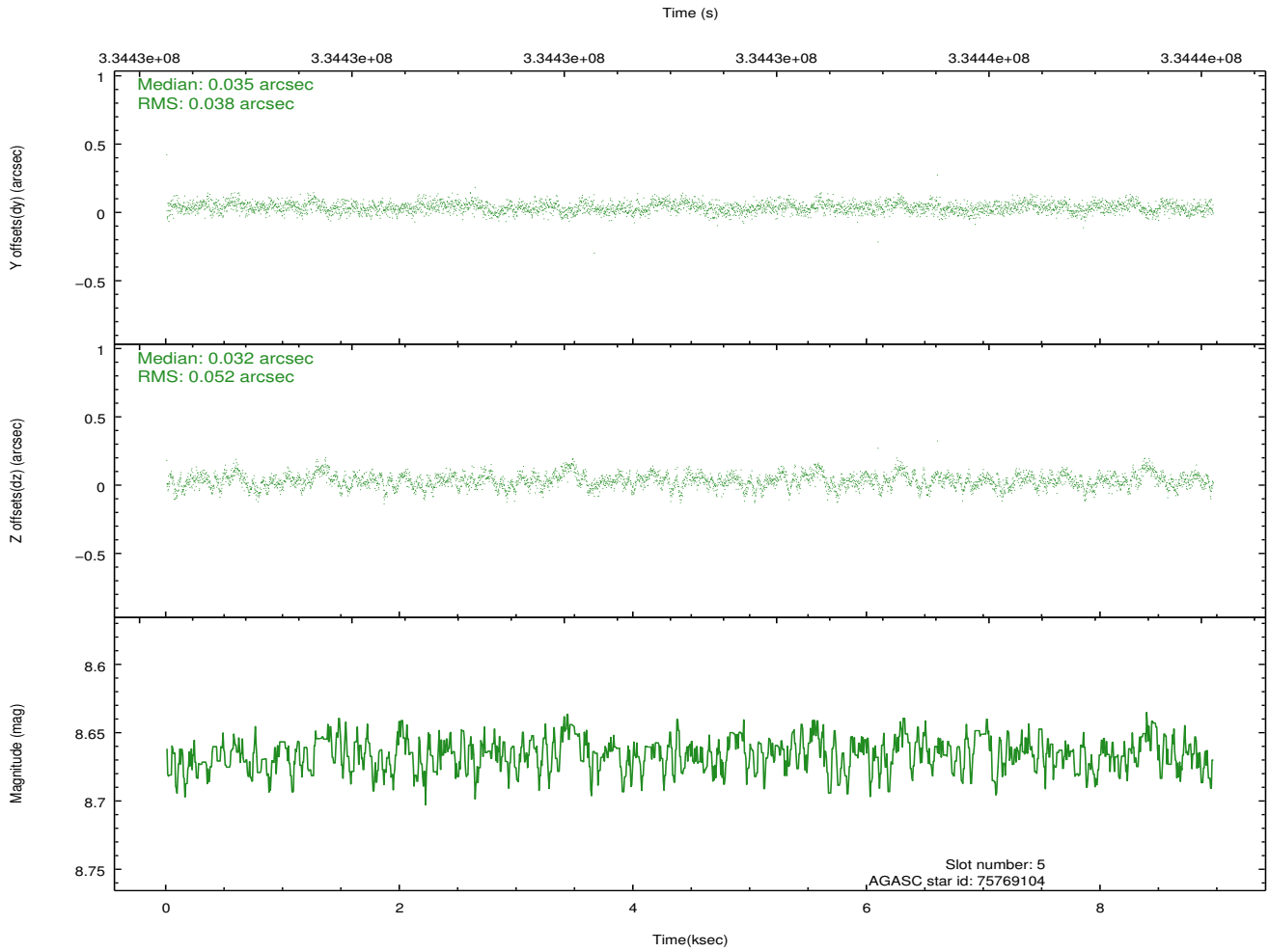
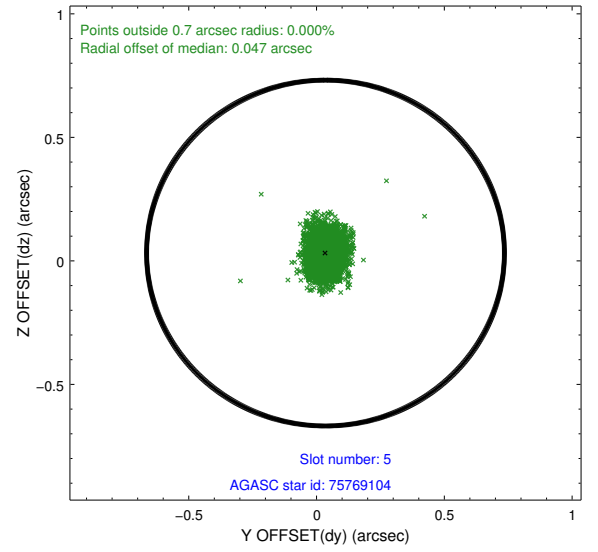
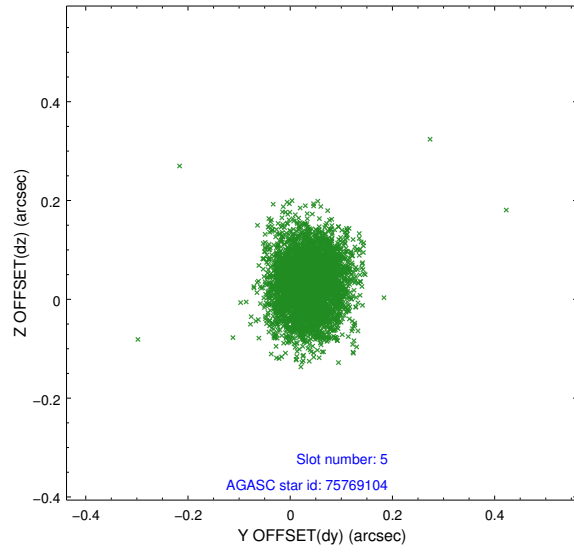
2.4.1 Slot 3



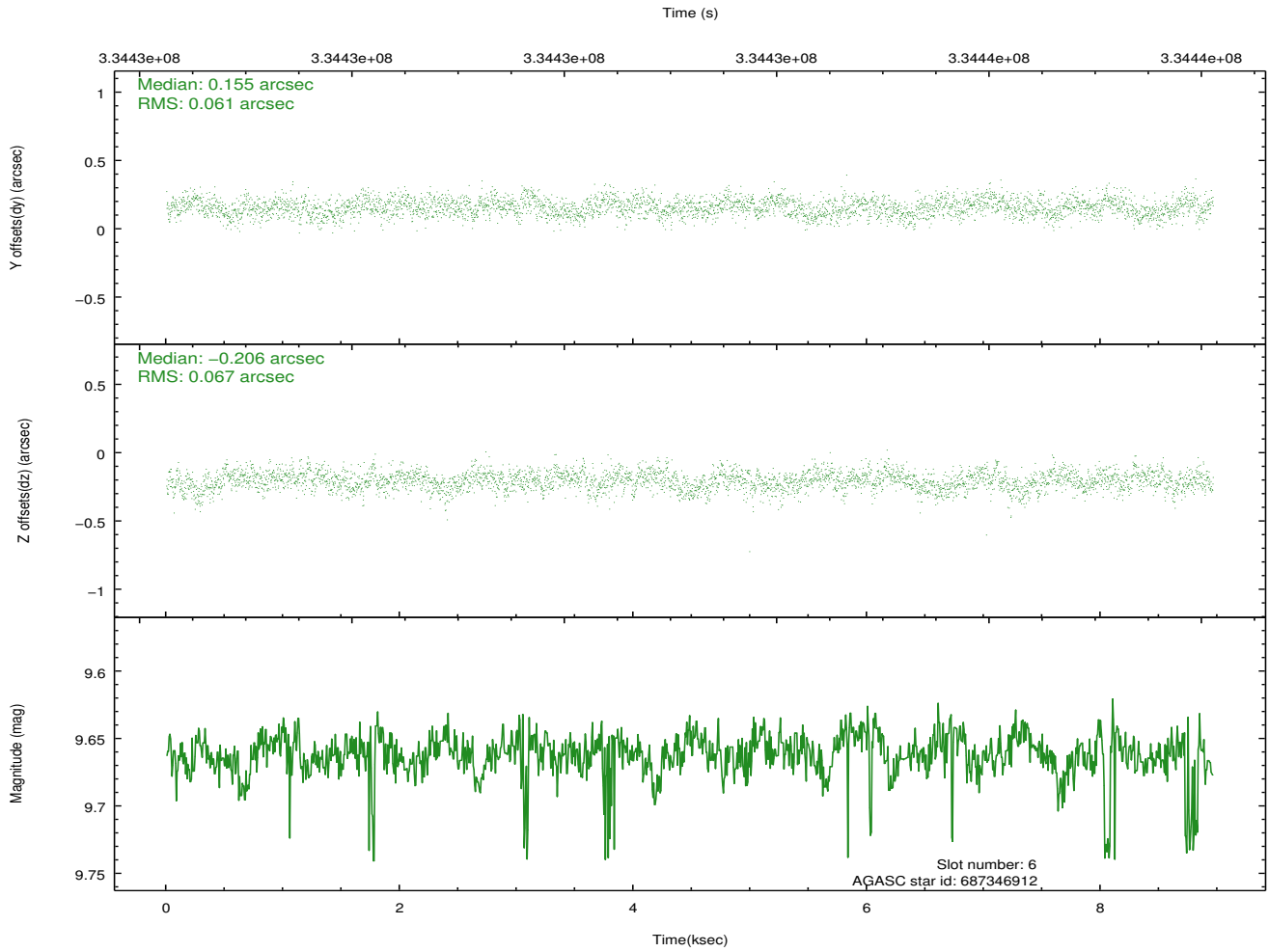
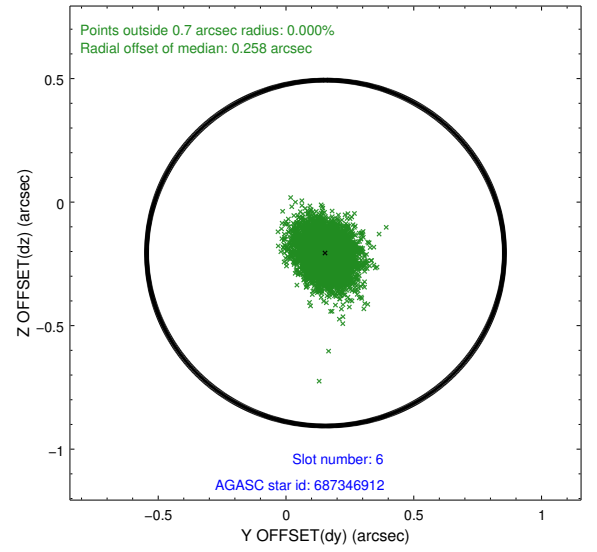
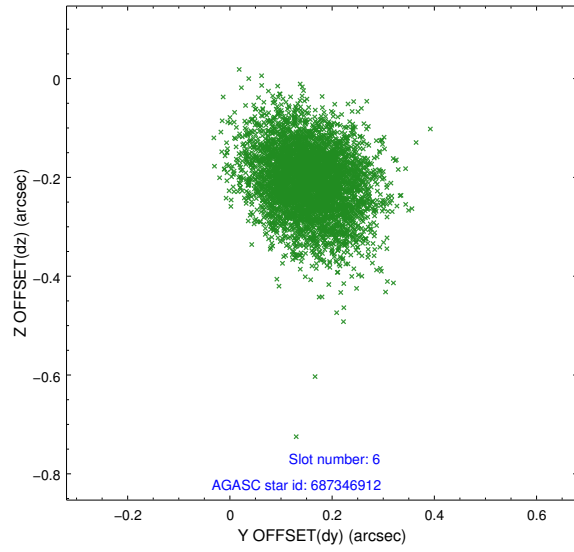
2.4.2 Slot 4



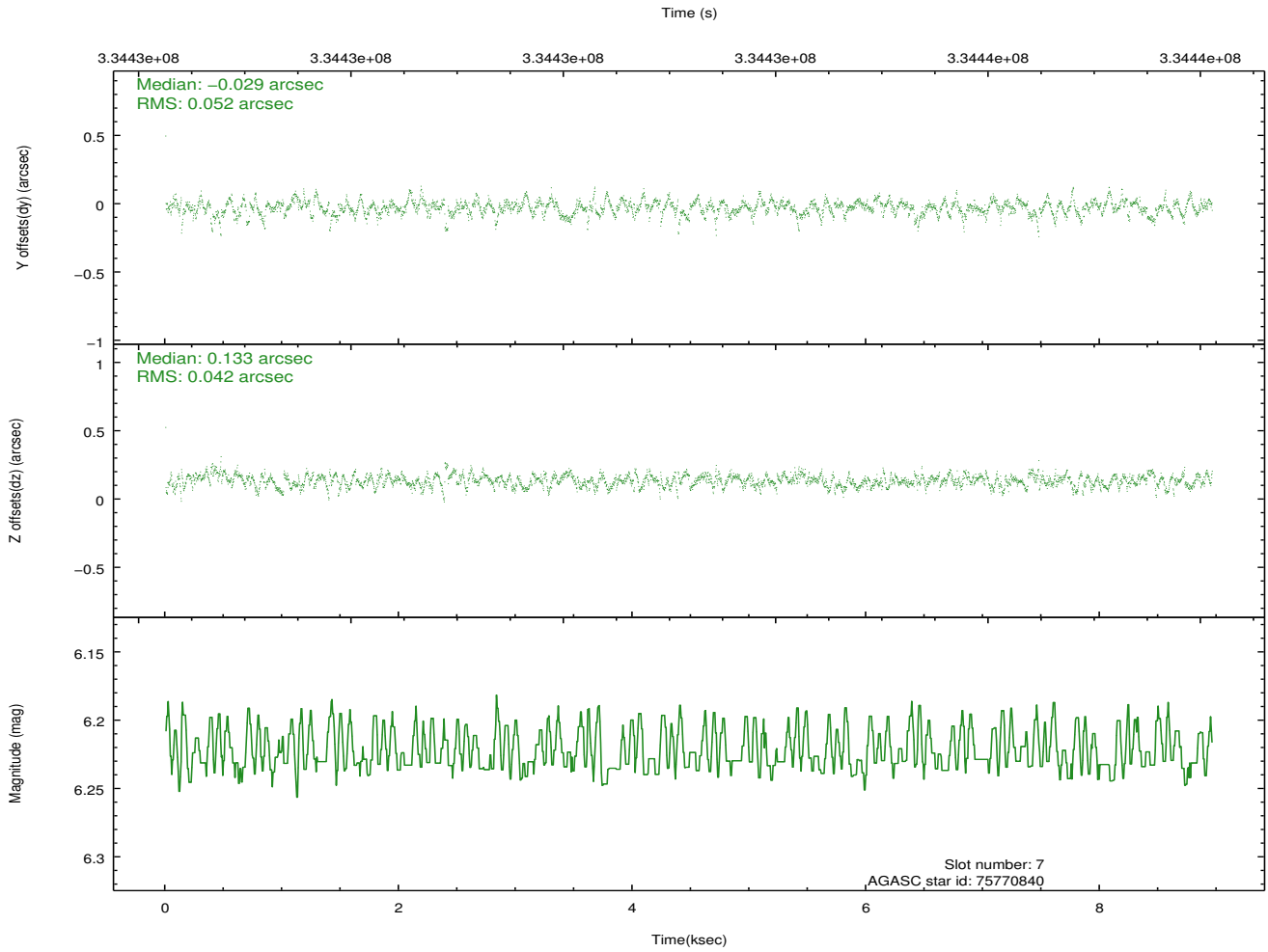
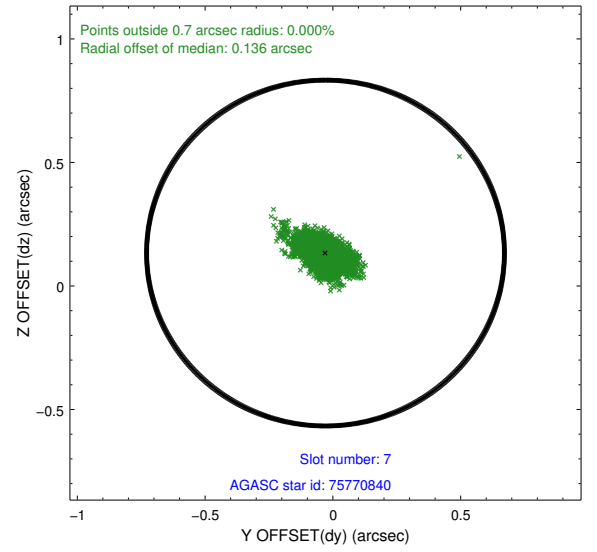
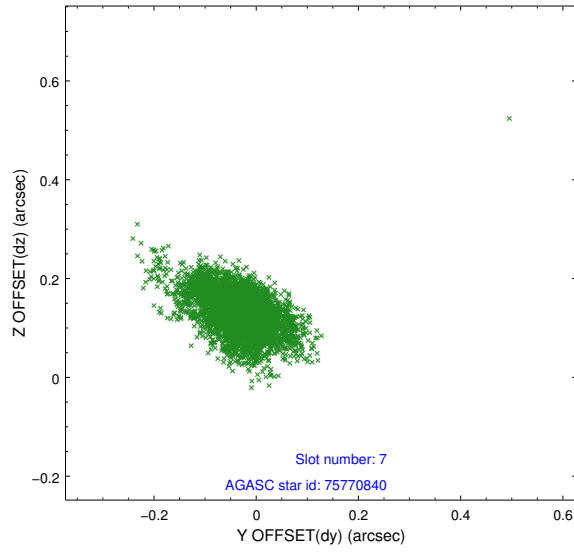
2.4.3 Slot 5



2.4.4 Slot 6

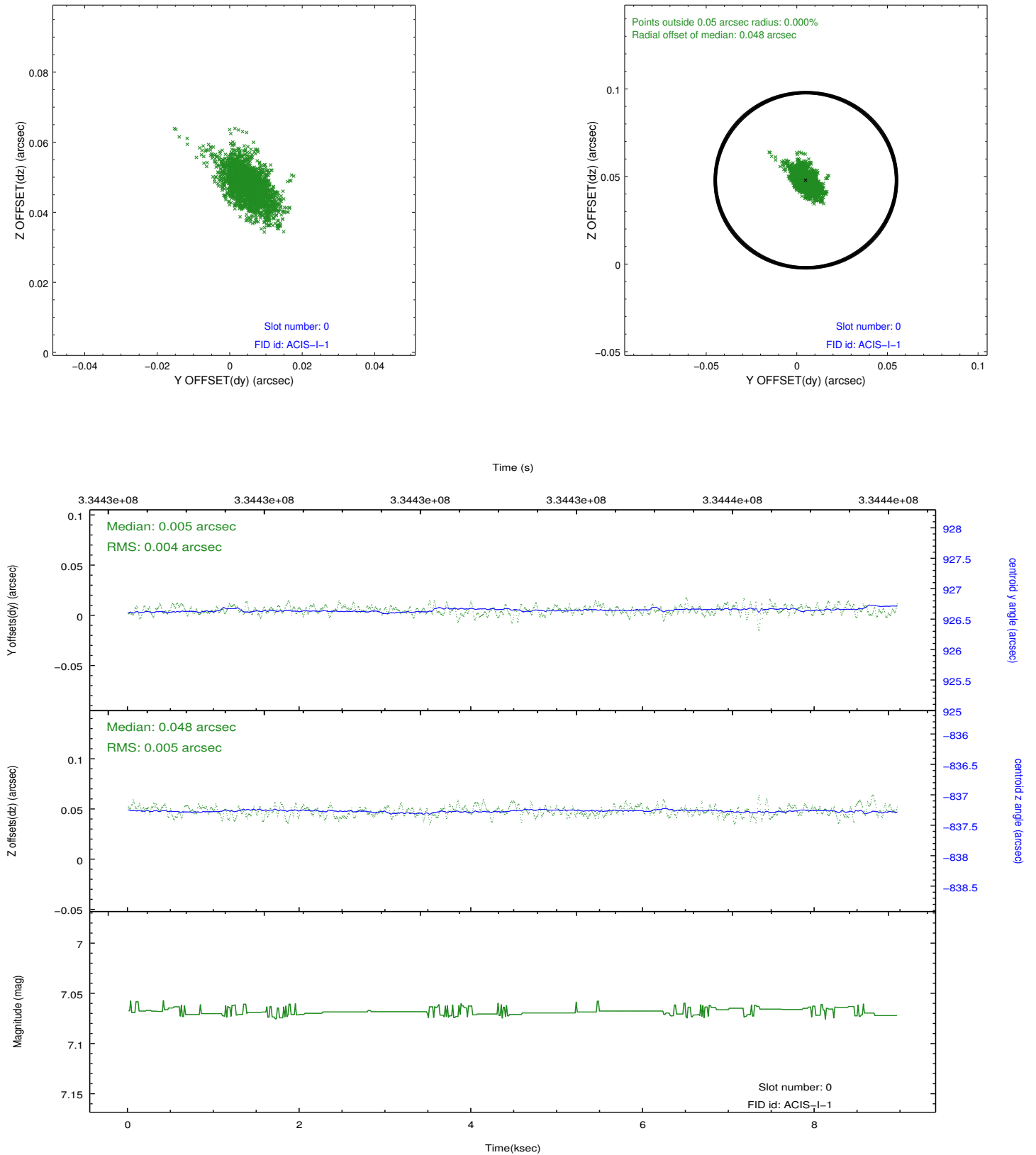


2.4.5 Slot 7

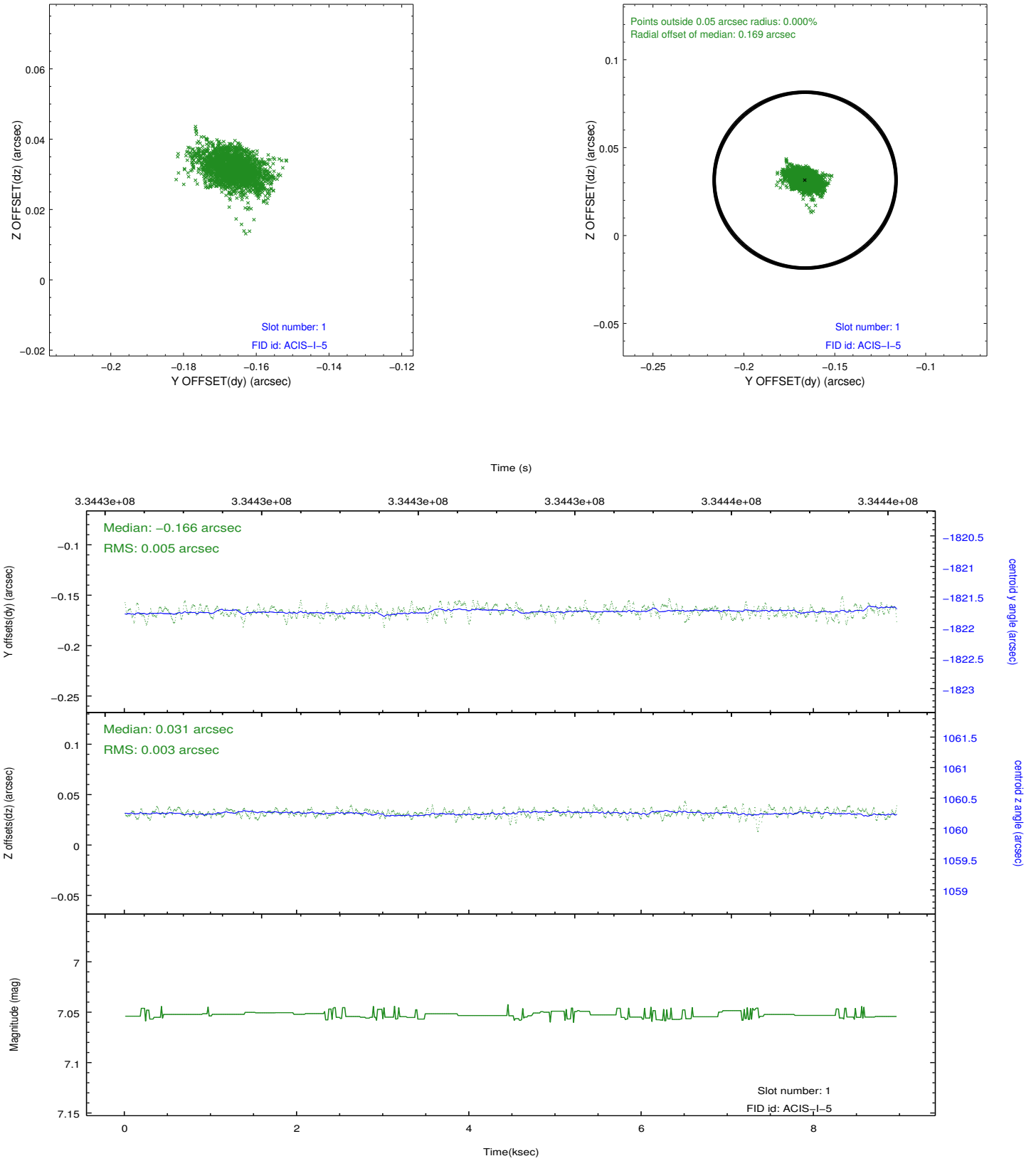


2.5 FID Slots

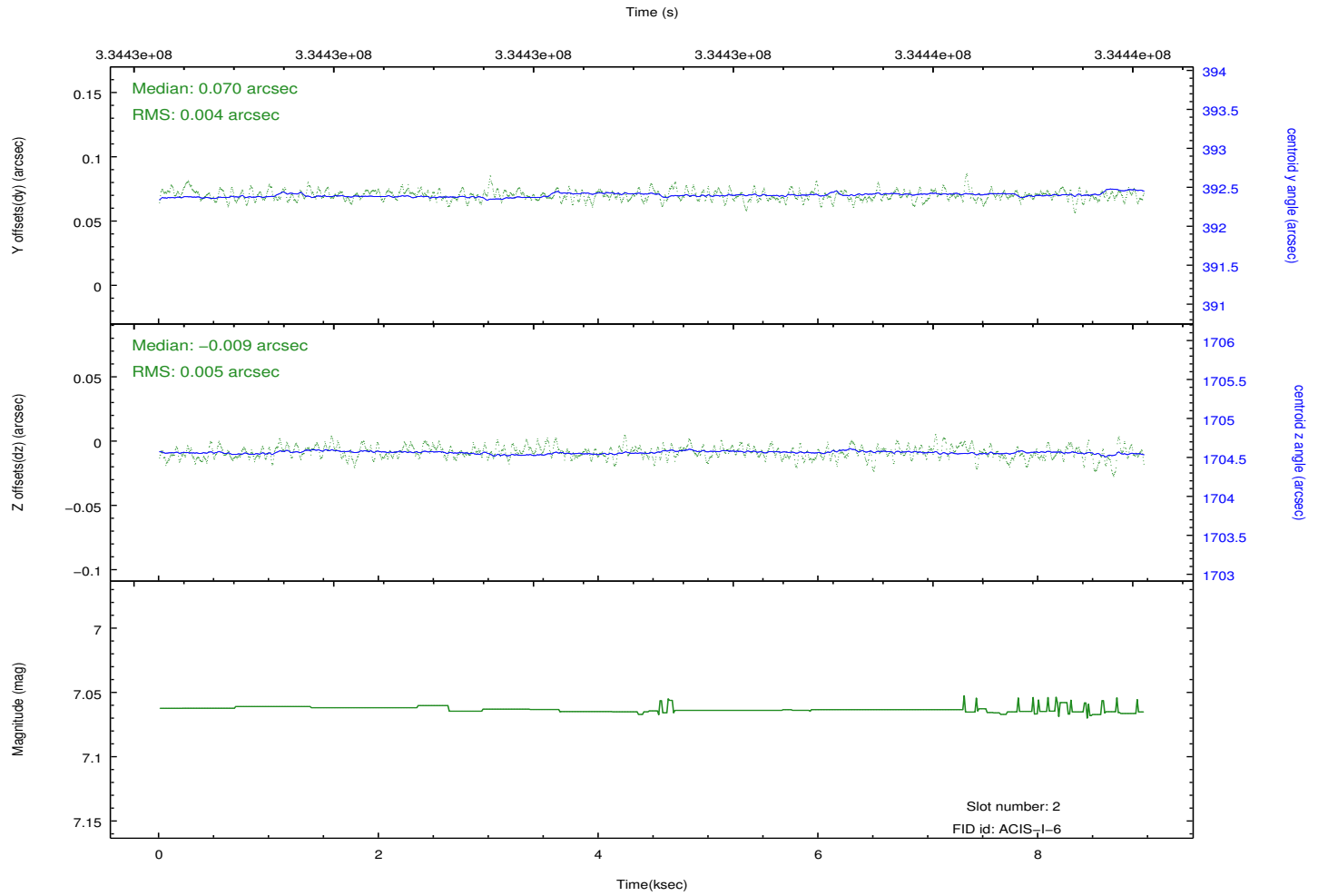
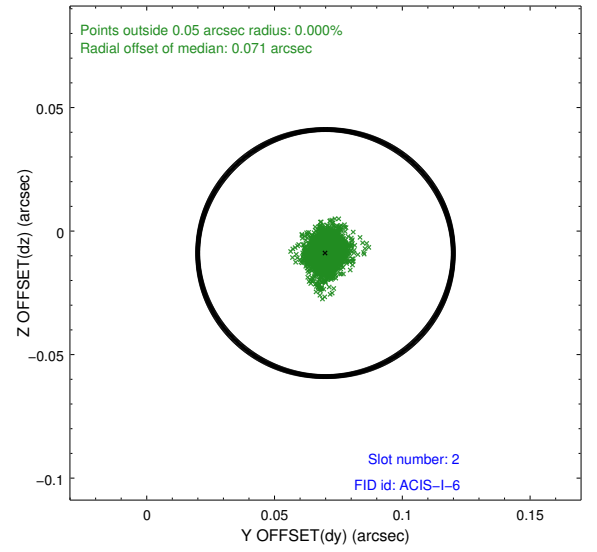
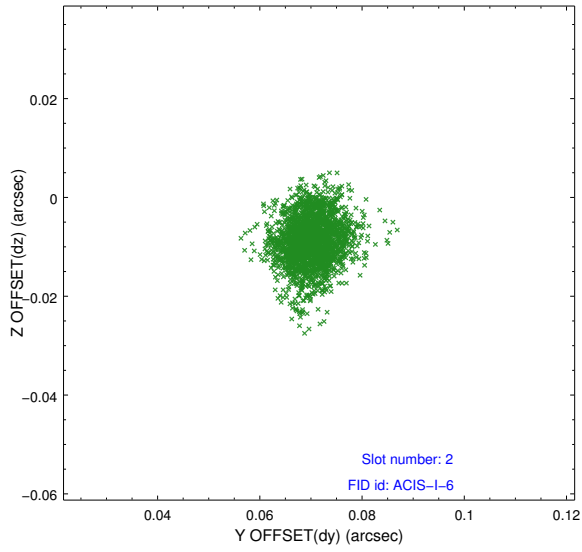
2.5.1 Slot 0



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)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.95900006

A.2 Comments