

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8163 - L2 Version 2
Chandra X-Ray Center

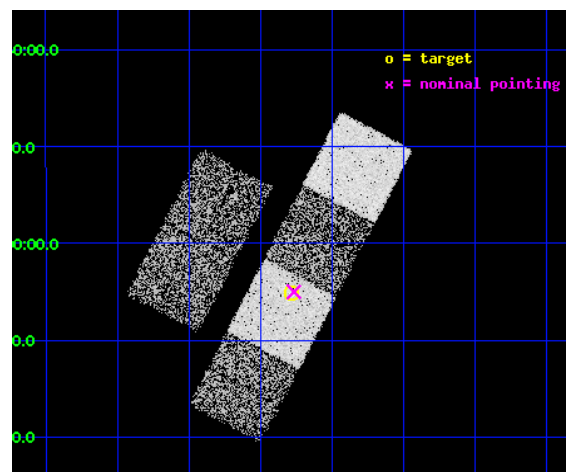
L2 Processing Date : Apr 25 2012

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

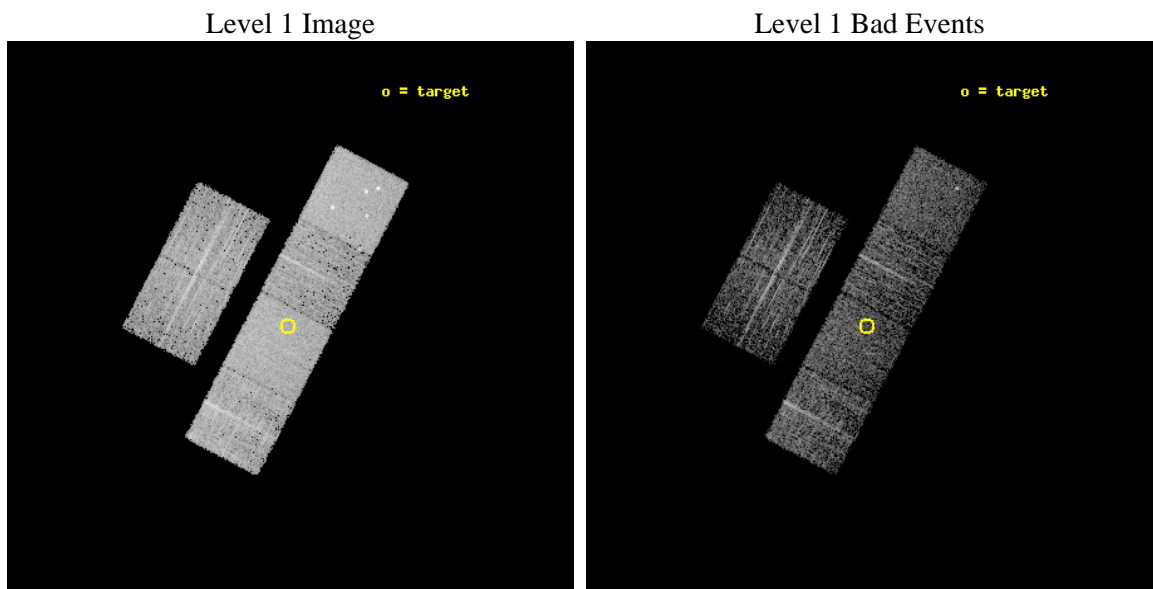
seq_num	900704	Sequence number
obs_id	8163	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J184447-0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.195833	Observer's specified target RA [deg]
dec_targ	-3.086	Observer's specified target Dec [deg]
ra_nom	281.19159695623	Nominal RA [deg]
dec_nom	-3.0836033800167	Nominal Dec [deg]
roll_nom	117.67267258662	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2751.9999898076	Sum of GTIs [s]
livetime	2717.1525088812	Livetime [s]
ontime2	2751.9999898076	Sum of GTIs [s]
ontime3	2751.9999898076	Sum of GTIs [s]
ontime5	2751.9999898076	Sum of GTIs [s]
ontime6	2751.9999898076	Sum of GTIs [s]
ontime7	2751.9999898076	Sum of GTIs [s]
ontime8	2751.9999898076	Sum of GTIs [s]
l2events	43758	Number of level 2 events



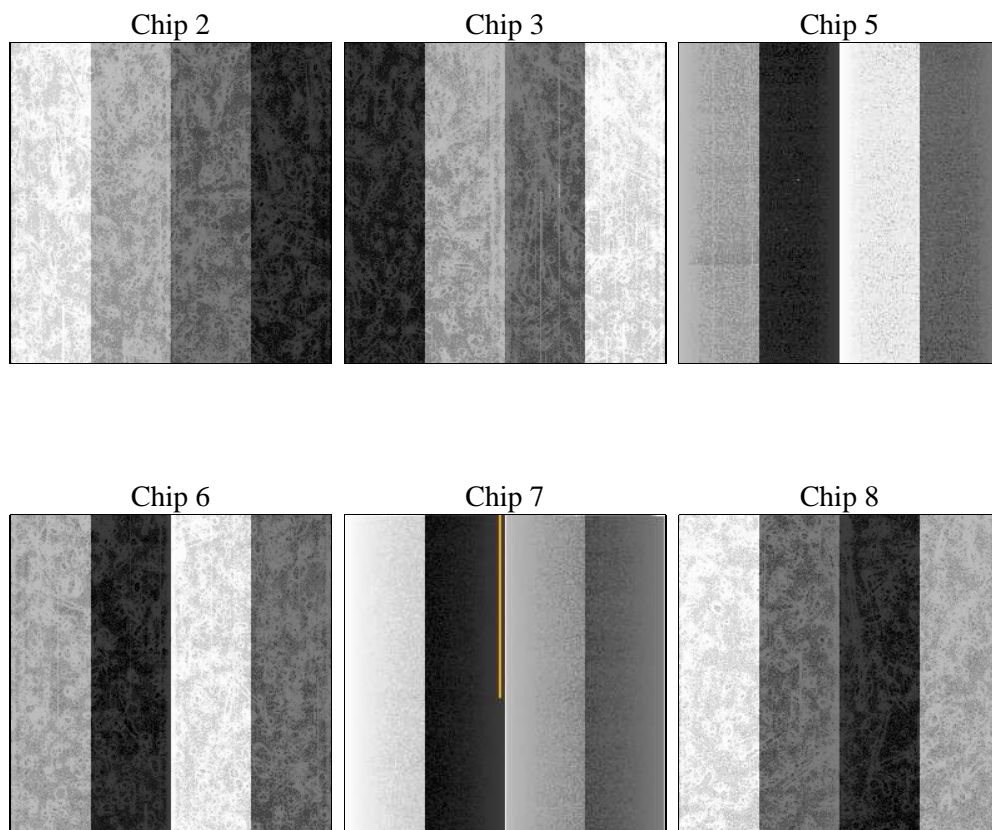
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2751.9999898076	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2751.9999898076	Sum of GTIs [s]
date	2012-04-25T08:56:23	Date and time of file creation	ontime3	2751.9999898076	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2751.9999898076	Sum of GTIs [s]
			ontime6	2751.9999898076	Sum of GTIs [s]
			ontime7	2751.9999898076	Sum of GTIs [s]
			ontime8	2751.9999898076	Sum of GTIs [s]
			l1events	187734	Number of level 1 events

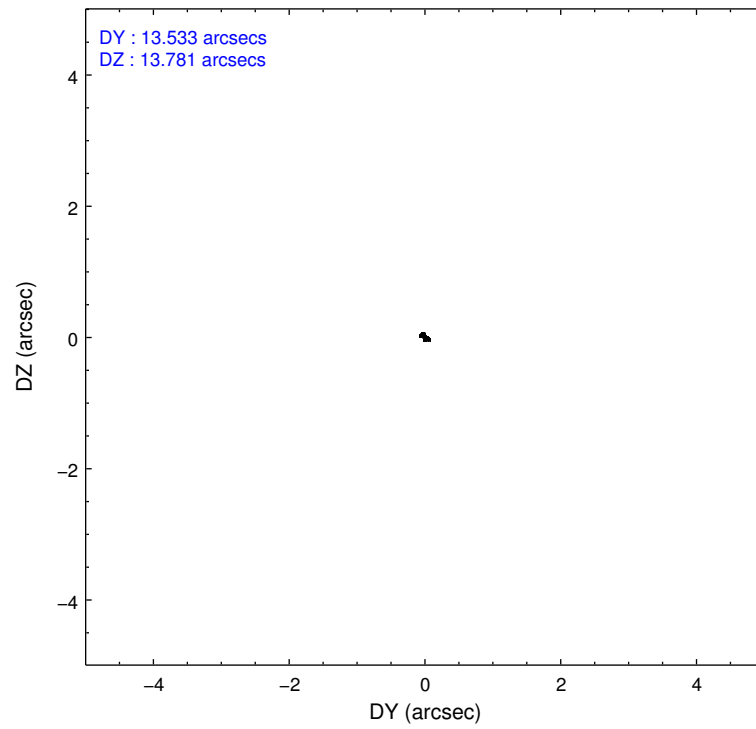
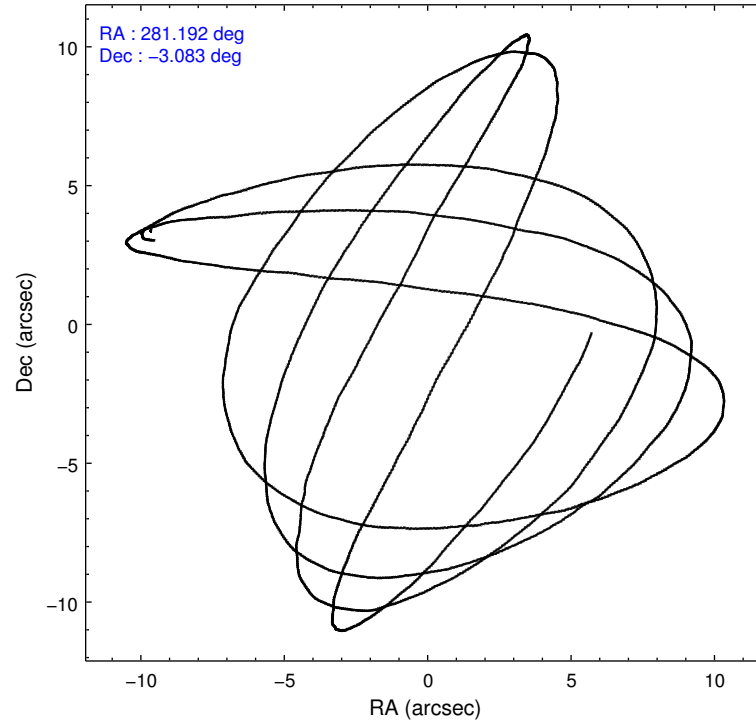
2.1.4 Events

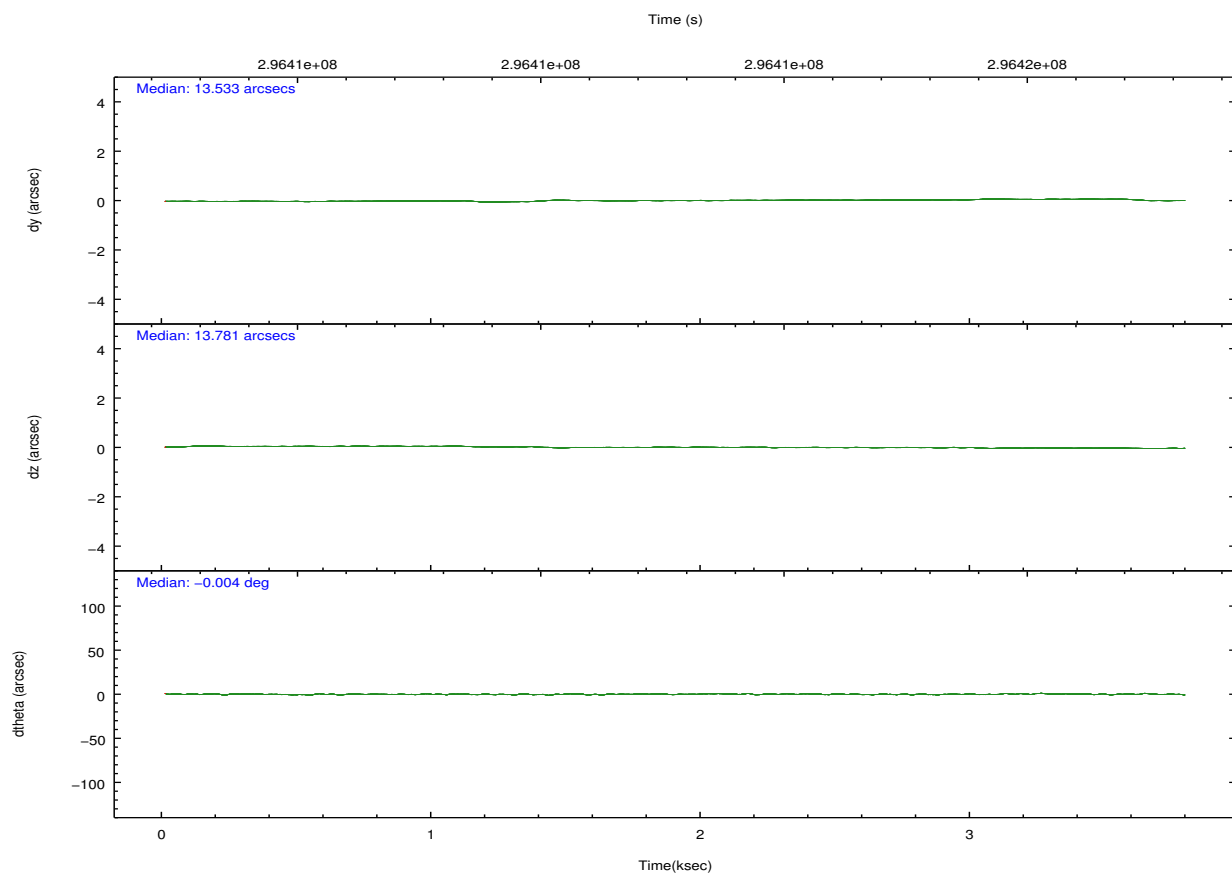
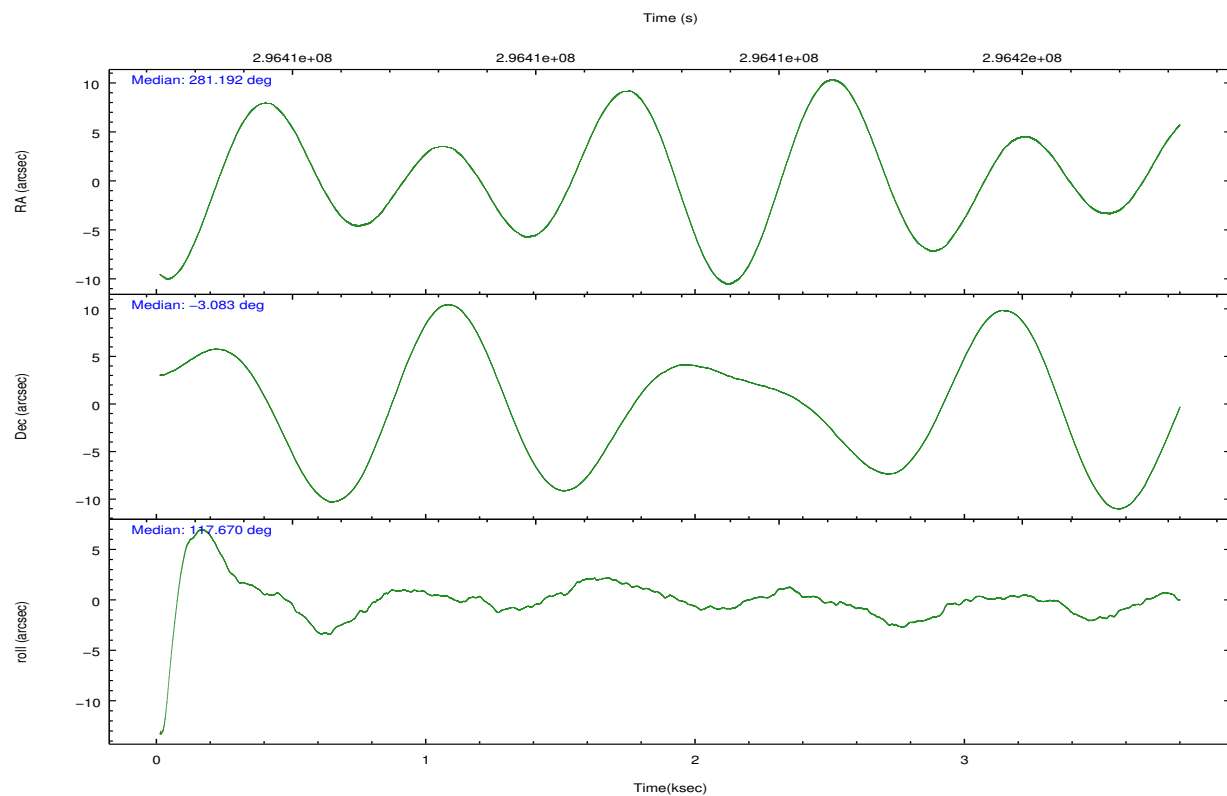
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27263	24204	41317	24721	36219	34010	grade 0 events	1541	1452	2453	1378	1263	2470
rejected events	23945	20997	21948	21426	21164	26323		5%	5%	5%	5%	3%	7%
rejected %	87%	86%	53%	86%	58%	77%	grade 1 events	19	15	67	17	34	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	643	622	5852	693	3014	1812
								2%	2%	14%	2%	8%	5%
							grade 3 events	288	288	706	279	1280	780
								1%	1%	1%	1%	3%	2%
							grade 4 events	309	308	603	293	1329	703
								1%	1%	1%	1%	3%	2%
							grade 5 events	1050	1169	2768	1183	3274	1610
								3%	4%	6%	4%	9%	4%
							grade 6 events	544	544	9784	655	8192	1956
								1%	2%	23%	2%	22%	5%
							grade 7 events	22869	19806	19084	20223	17833	24656
								83%	81%	46%	81%	49%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	281.214987	281.1915969562326	CCD I2 on	O2	Y
[deg] Pointing Dec	-3.097833	-3.08360338001671	CCD I3 on	O3	Y
[deg] Pointing Roll	117.517354	117.6726725866158	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	296412648.184000	296411289.40814	CCD S5 on	N	N
Observation start date	2007-05-24T16:49:43	2007-05-24T16:28:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	296415448.184000	296416868.99591	On-chip summing requested	N	N
Observation end date	2007-05-24T17:36:23	2007-05-24T18:01:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



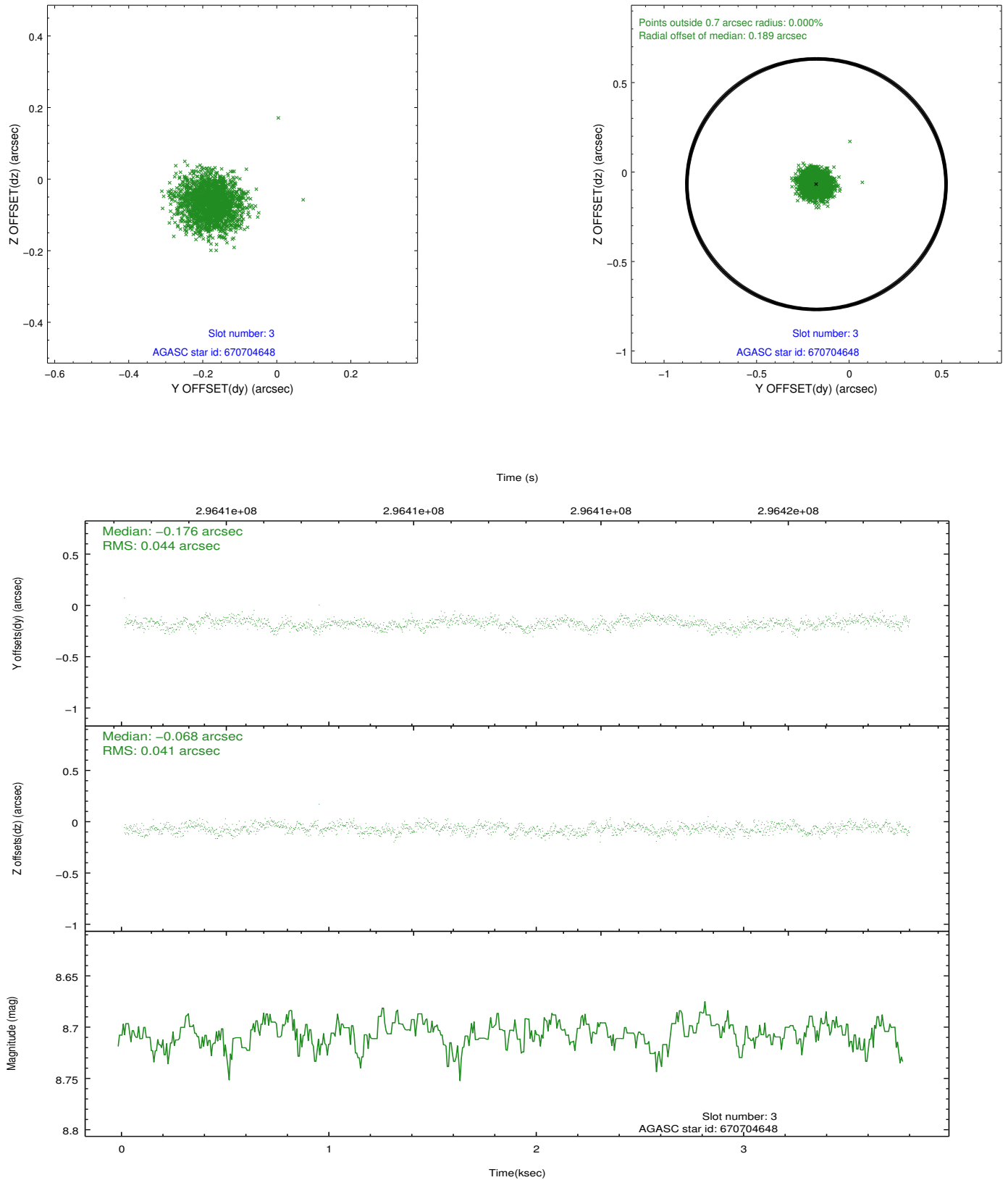


Slot Statistics

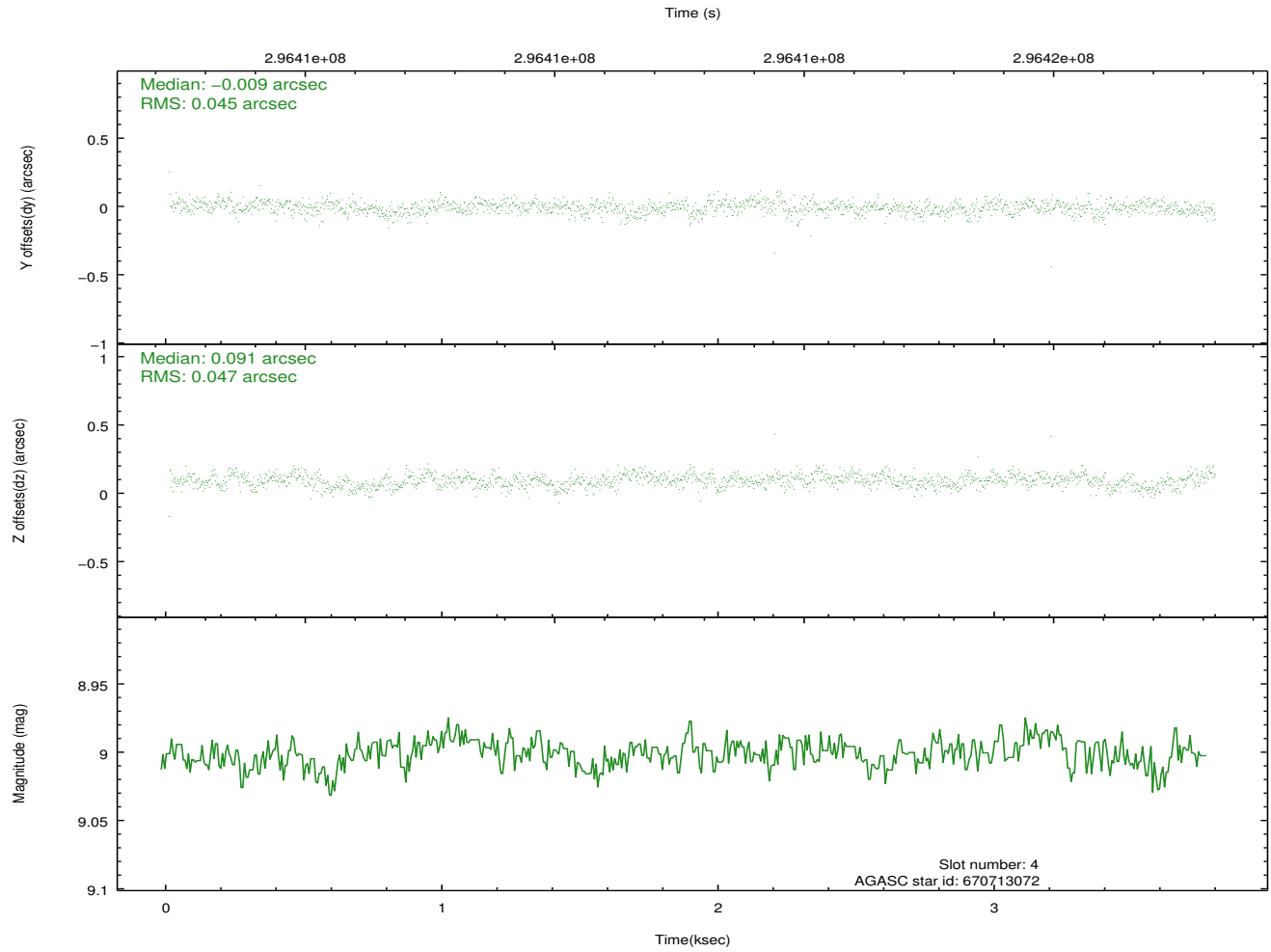
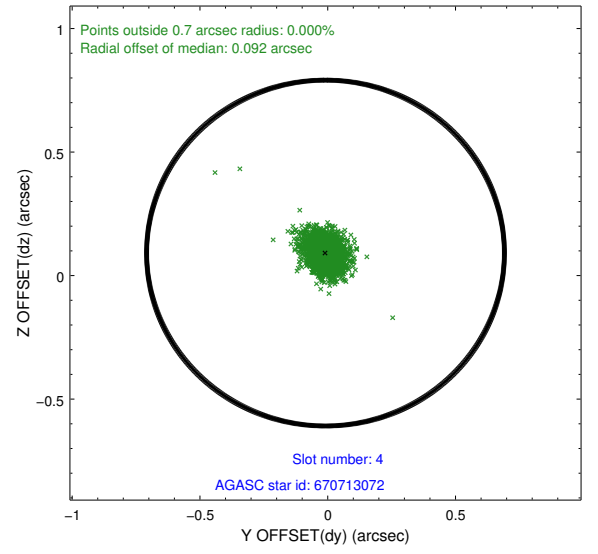
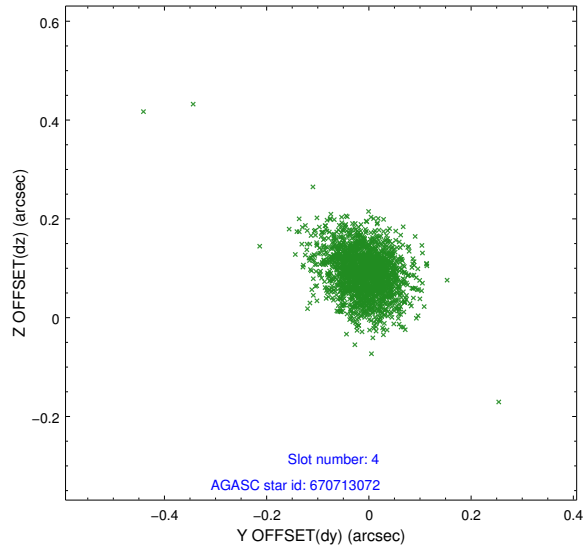
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	924	-0.044	-0.068	0.006	0.010	0.000000	0.000000	-766.51	-1735.15
1	FID	ACIS-S-4	7.19	924	0.188	0.039	0.005	0.010	0.000000	0.000000	2146.24	171.72
2	FID	ACIS-S-5	7.22	924	-0.176	0.038	0.006	0.012	0.000000	0.000000	-1817.36	167.28
3	GUIDE	670704648	8.71	1848	-0.176	-0.068	0.064	0.100	280.736676	-2.935747	1311.71	1255.51
4	GUIDE	670713072	9.00	1846	-0.009	0.091	0.065	0.110	281.205407	-3.604132	-1599.67	873.15
5	GUIDE	670713328	7.55	1848	-0.135	-0.102	0.049	0.078	280.824681	-3.187771	360.21	1394.07
6	GUIDE	670714008	9.02	1848	0.170	-0.107	0.088	0.137	281.129237	-3.153193	-33.75	365.89
7	GUIDE	670830264	8.76	1846	0.151	0.188	0.072	0.117	281.361536	-3.231556	-669.95	-244.56

2.4 Star Slots

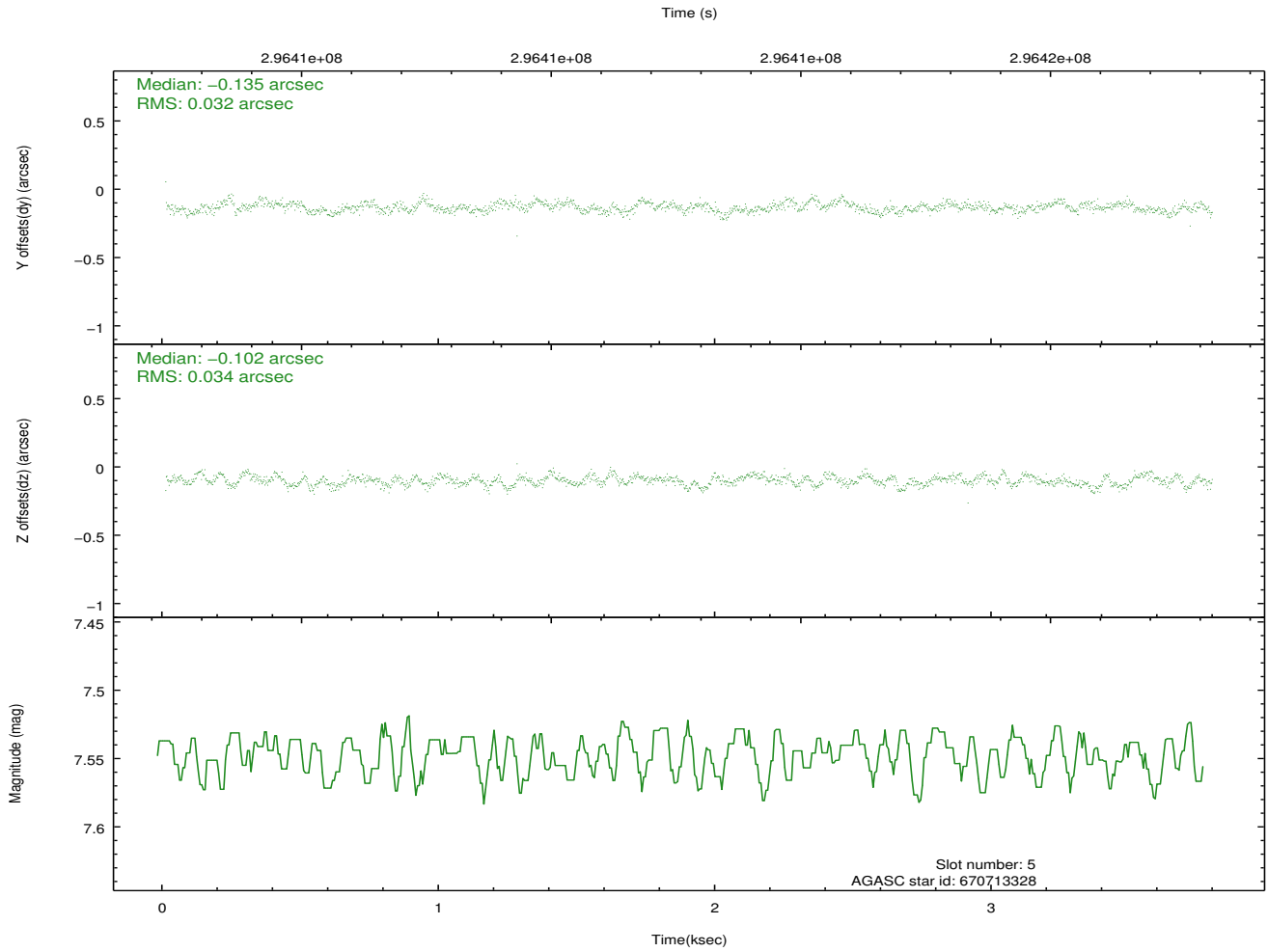
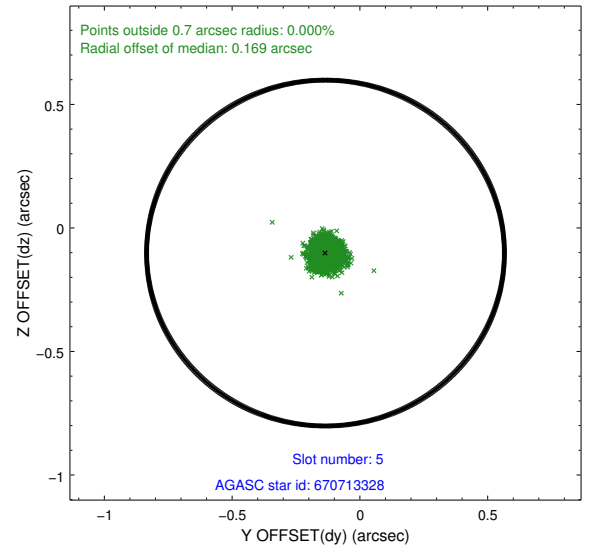
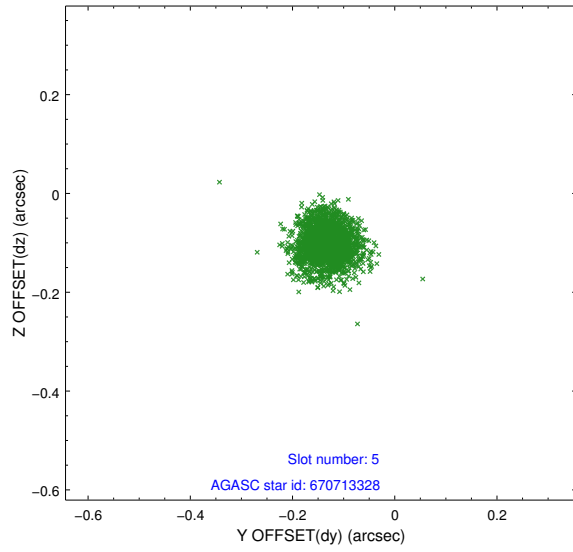
2.4.1 Slot 3



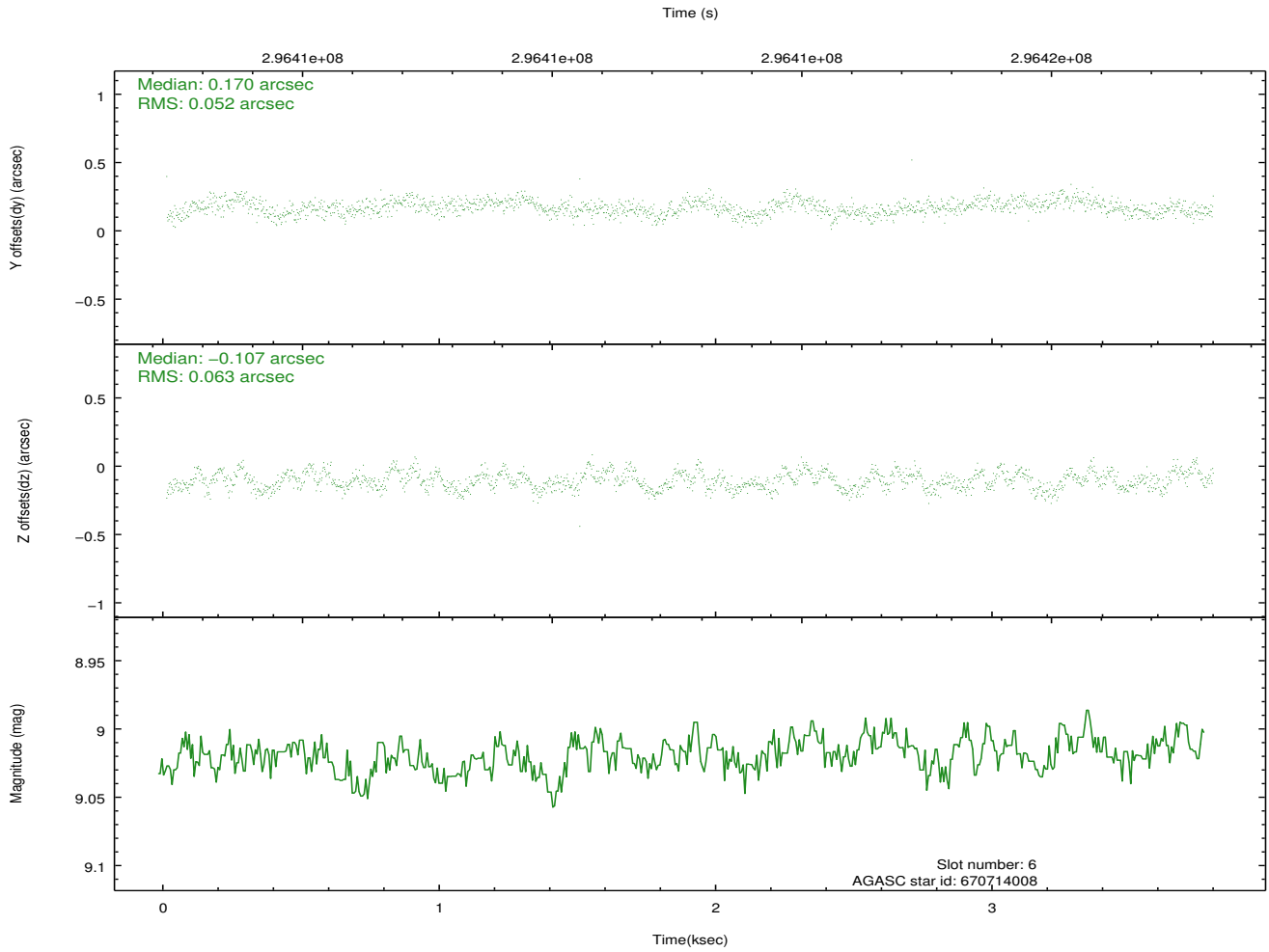
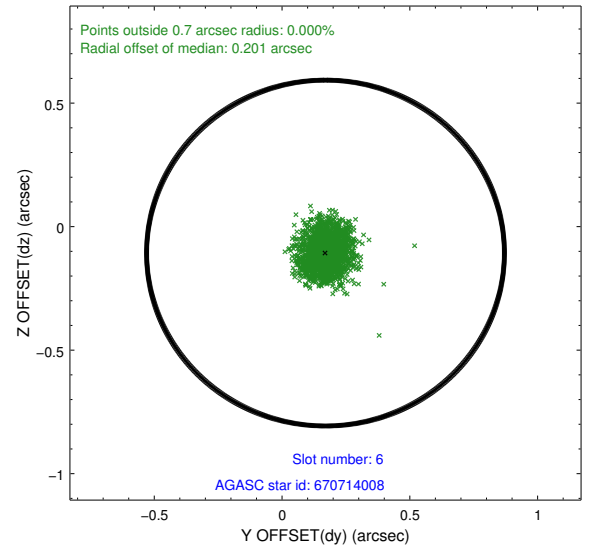
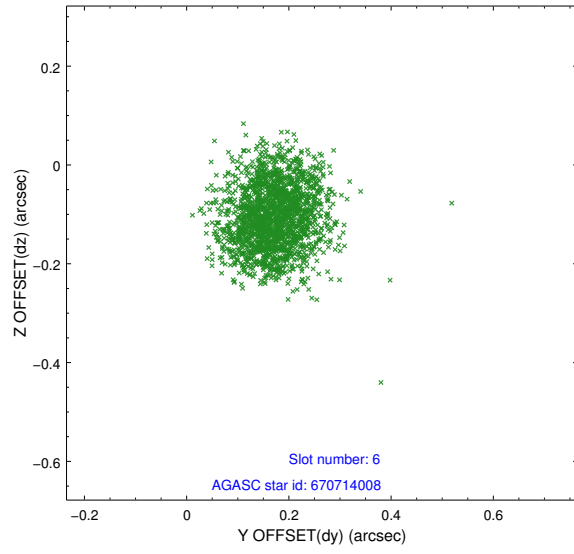
2.4.2 Slot 4



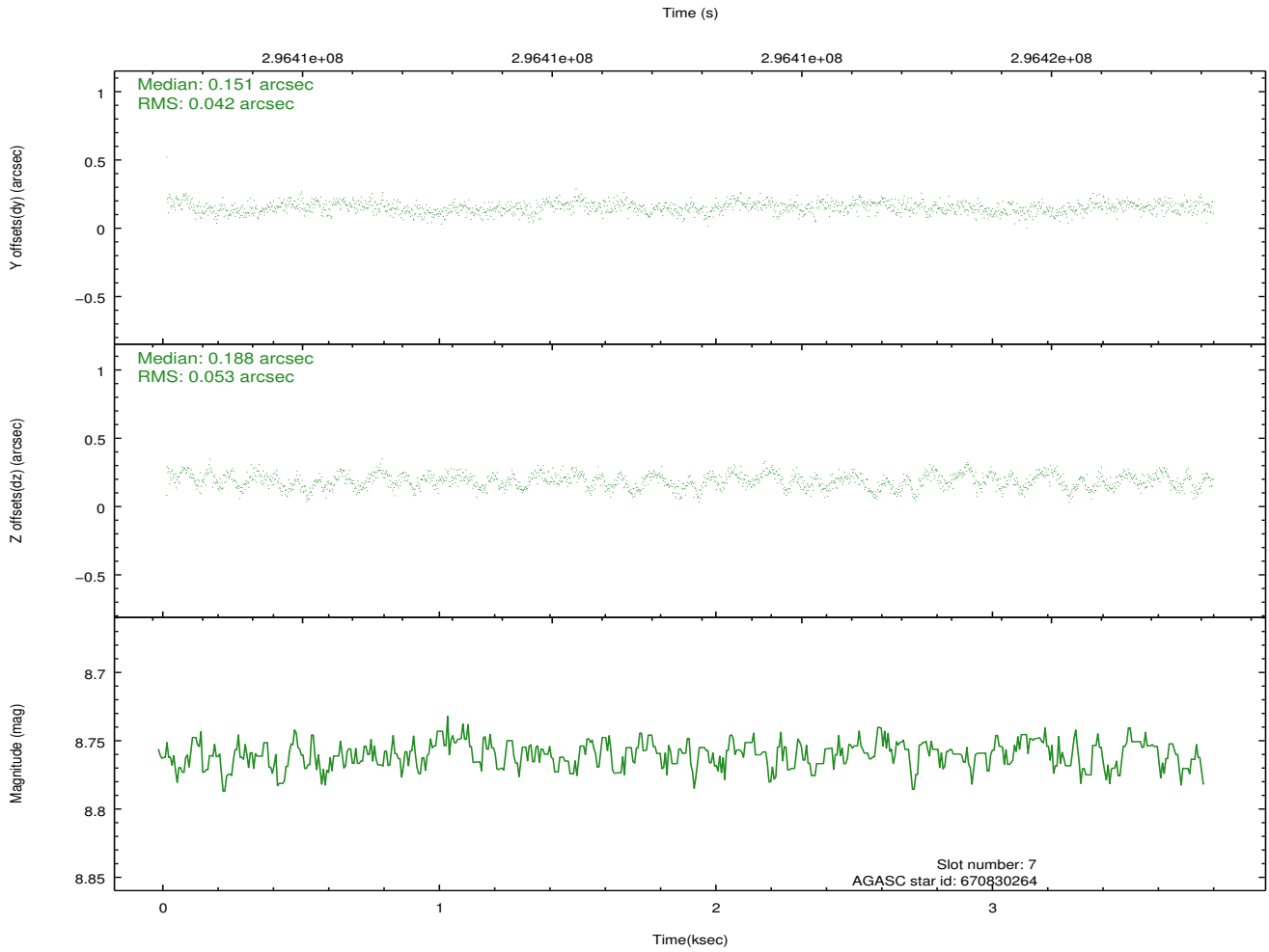
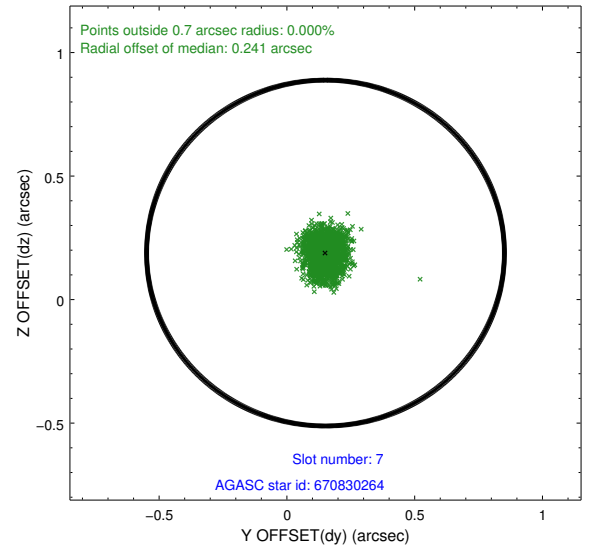
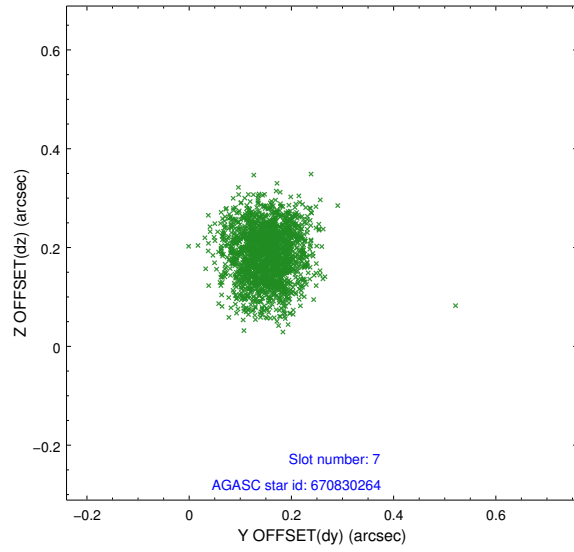
2.4.3 Slot 5



2.4.4 Slot 6

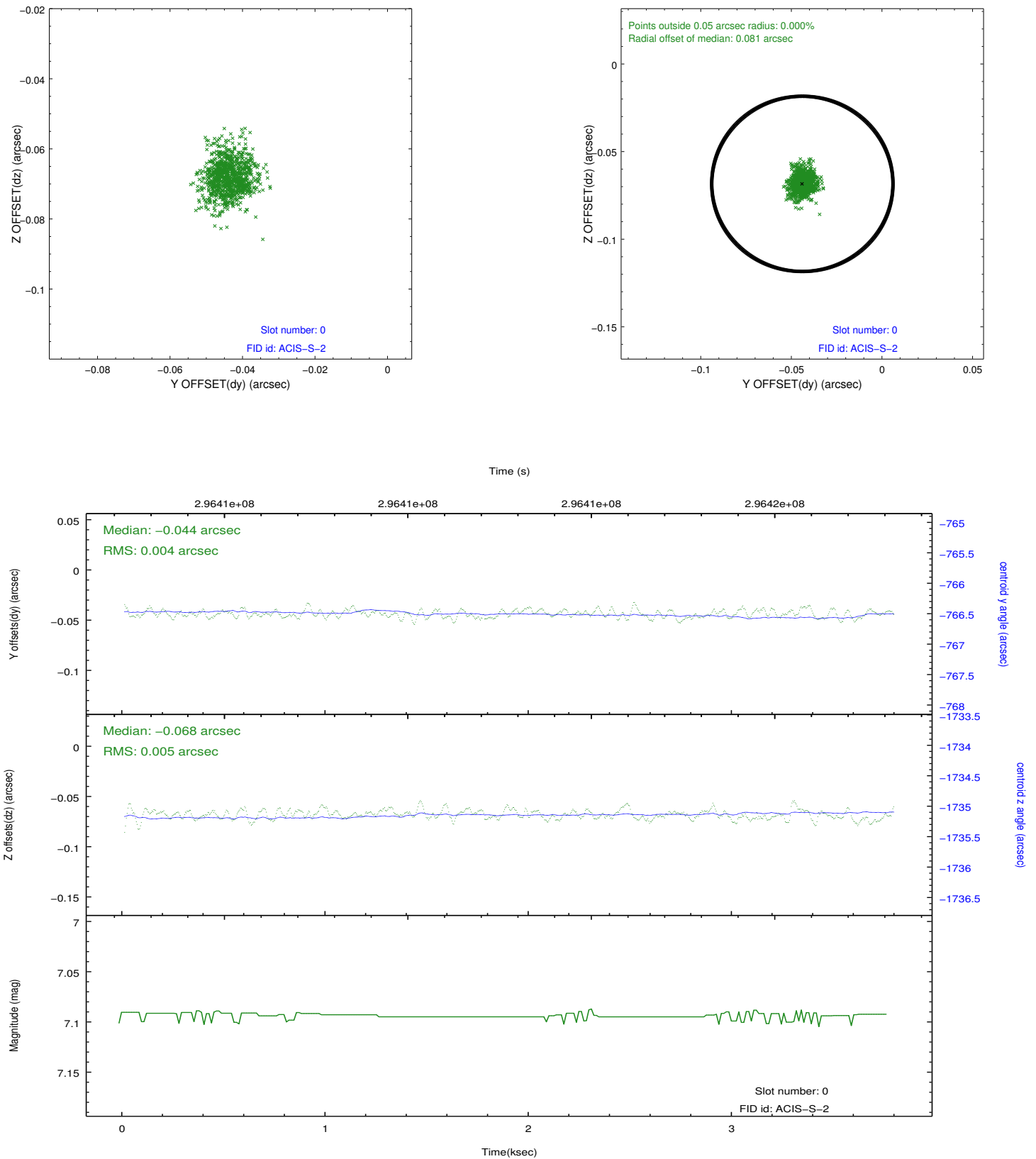


2.4.5 Slot 7

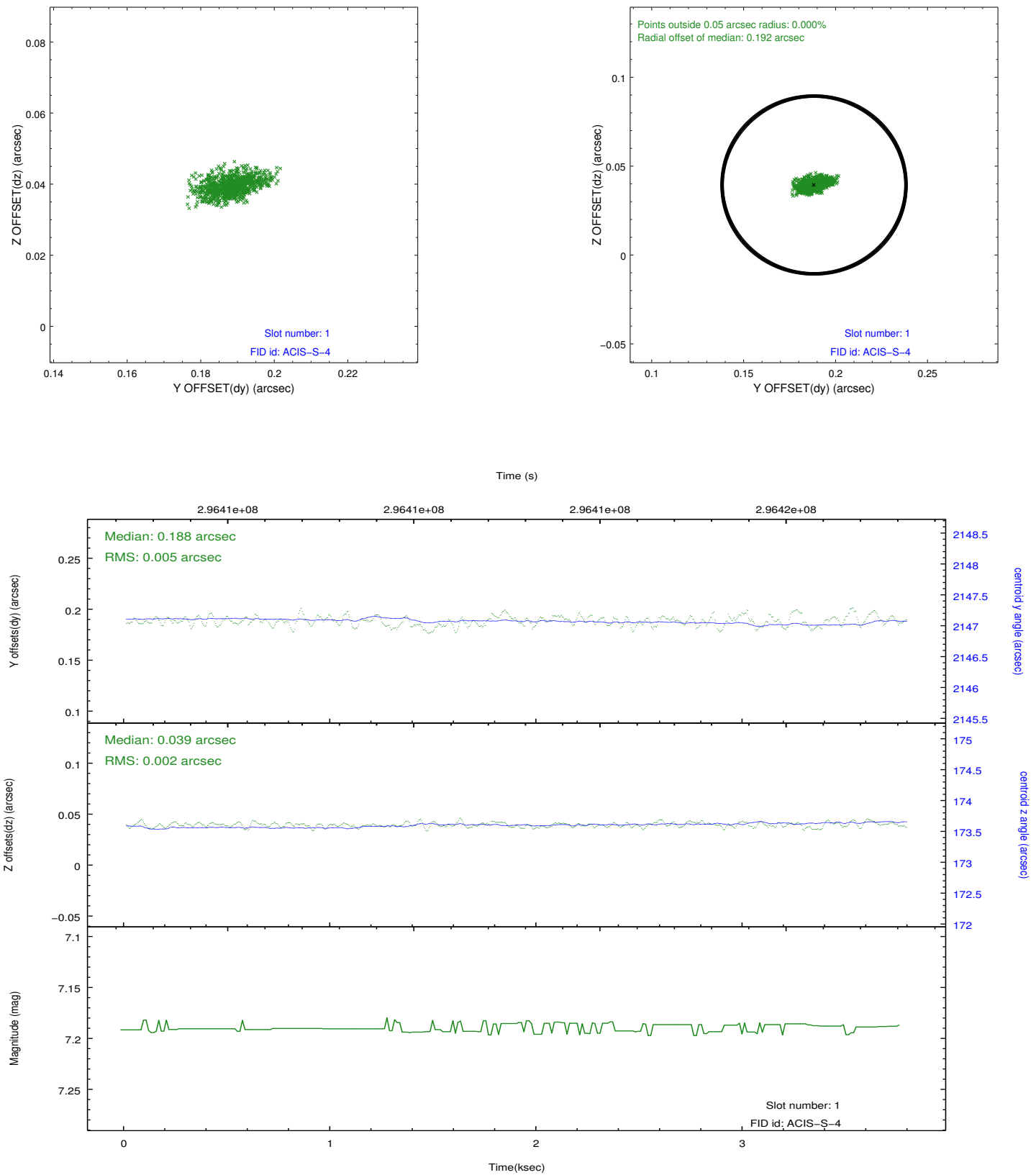


2.5 FID Slots

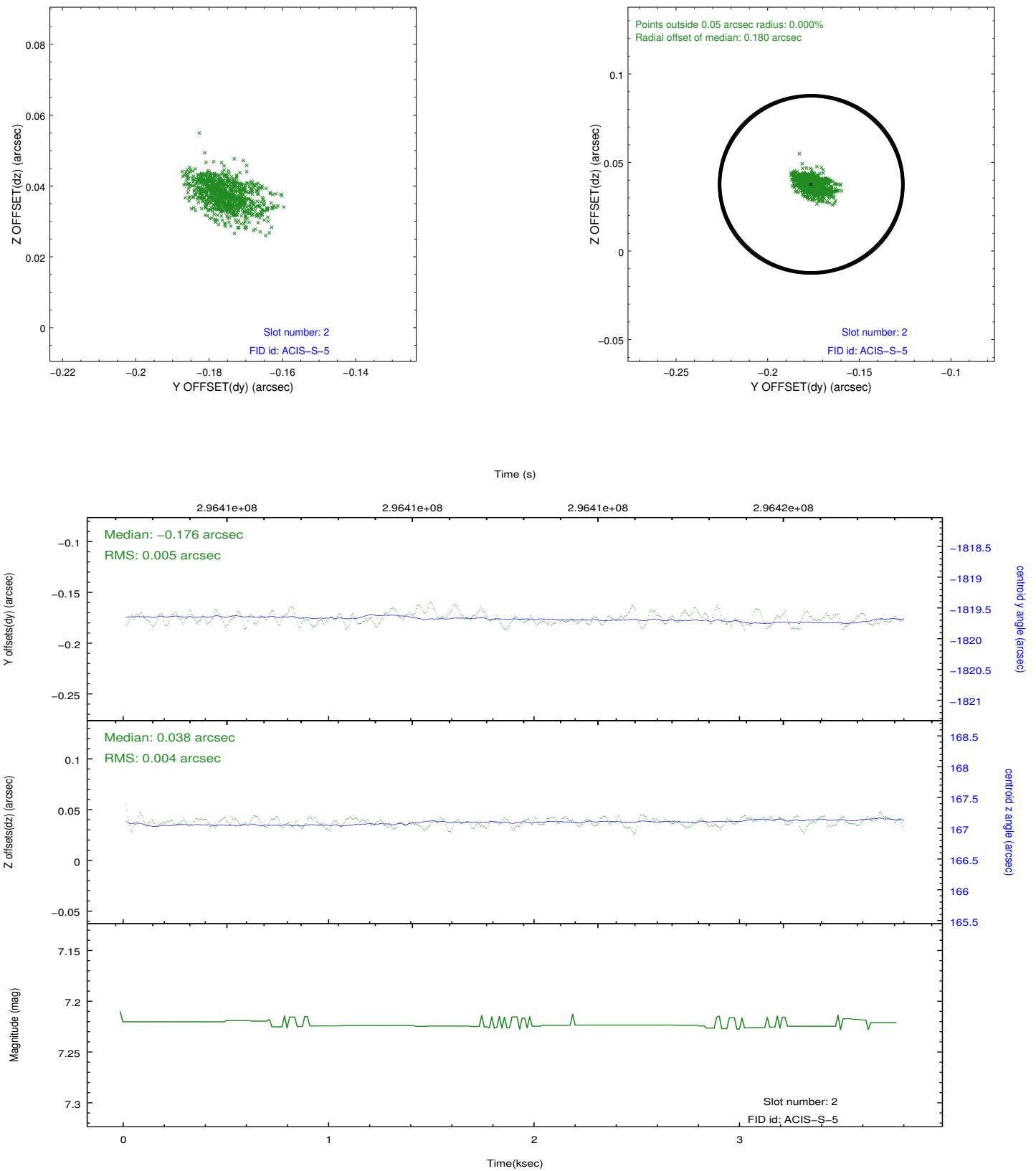
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.75199998

A.2 Comments