

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7804 - L2 Version 2
Chandra X-Ray Center

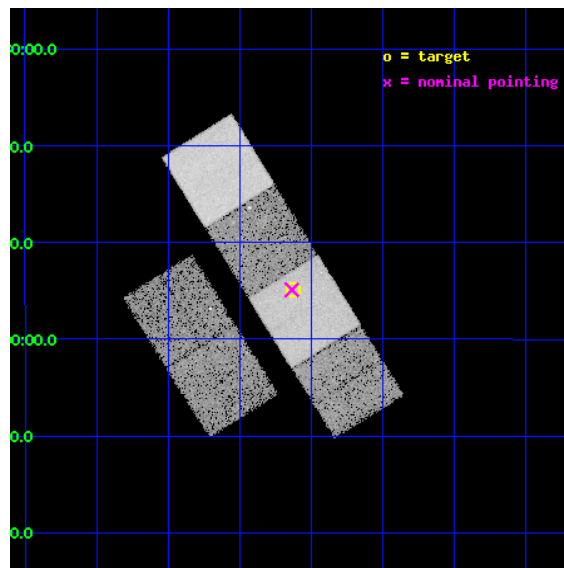
L2 Processing Date : Apr 14 2012

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1 Front

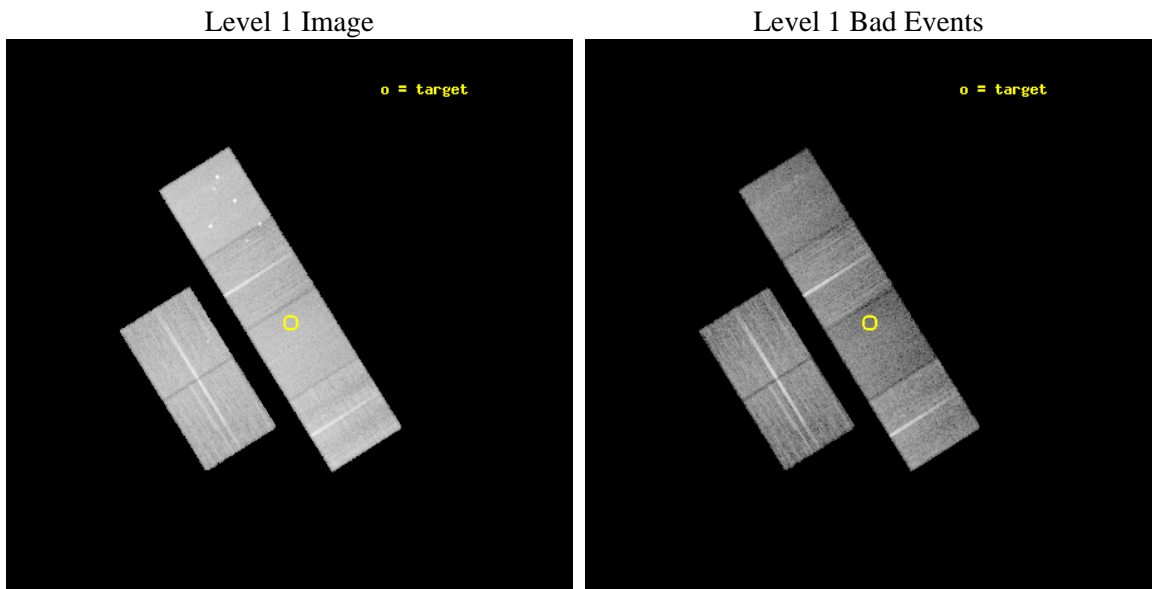
seq_num	701468	Sequence number
obs_id	7804	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	IRAS 07251-0248	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	111.906667	Observer's specified target RA [deg]
dec_targ	-2.915028	Observer's specified target Dec [deg]
ra_nom	111.9087165264	Nominal RA [deg]
dec_nom	-2.9148781490962	Nominal Dec [deg]
roll_nom	58.072920104715	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15625.59994185	Sum of GTIs [s]
livetime	15427.739186779	Livetime [s]
ontime2	15625.59994185	Sum of GTIs [s]
ontime3	15625.59994185	Sum of GTIs [s]
ontime5	15625.59994185	Sum of GTIs [s]
ontime6	15625.59994185	Sum of GTIs [s]
ontime7	15625.59994185	Sum of GTIs [s]
ontime8	15625.59994185	Sum of GTIs [s]
l2events	177426	Number of level 2 events



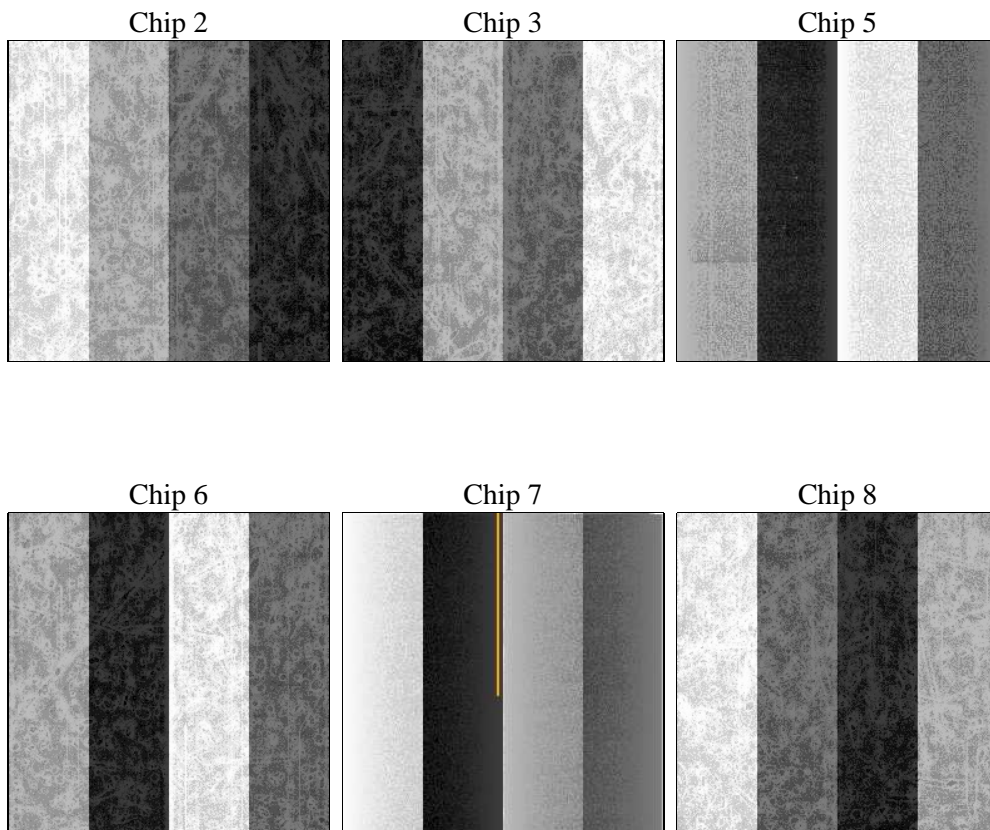
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	15625.59994185	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	15625.59994185	Sum of GTIs [s]
date	2012-04-14T16:50:00	Date and time of file creation	ontime3	15625.59994185	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15625.59994185	Sum of GTIs [s]
			ontime6	15625.59994185	Sum of GTIs [s]
			ontime7	15625.59994185	Sum of GTIs [s]
			ontime8	15625.59994185	Sum of GTIs [s]
			l1events	842697	Number of level 1 events

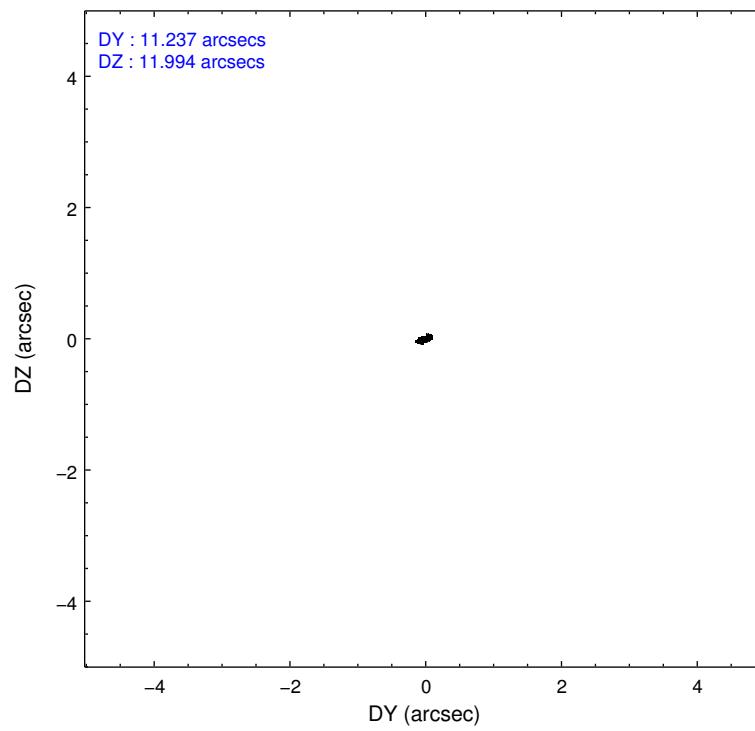
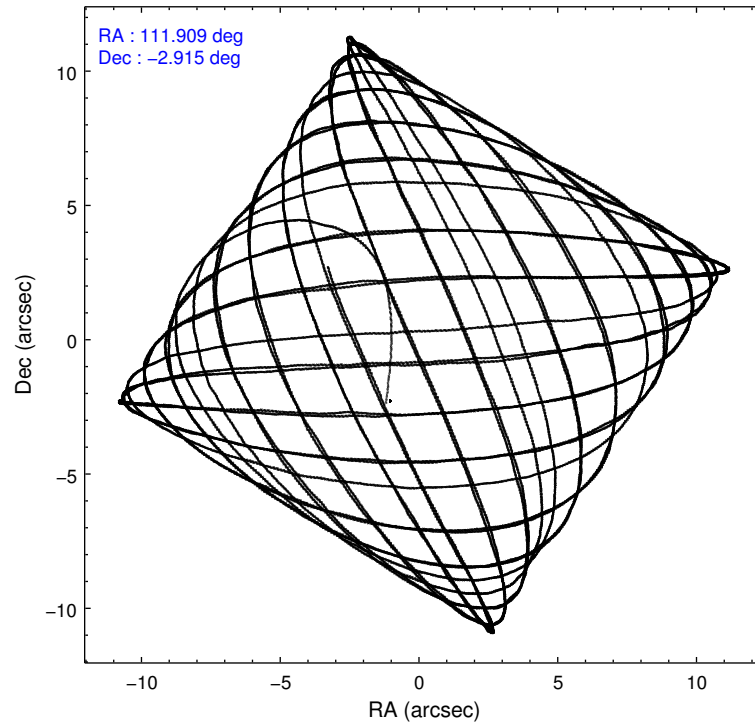
2.1.4 Events

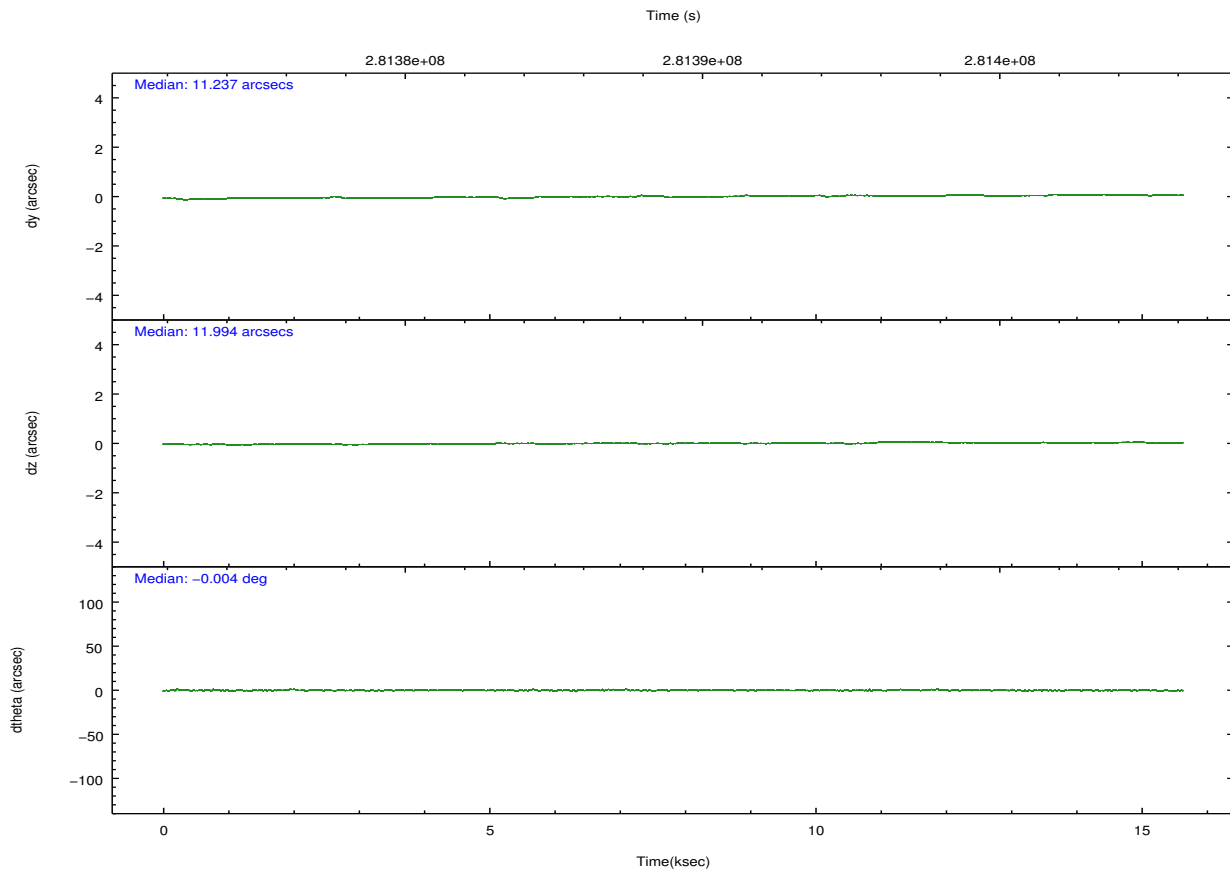
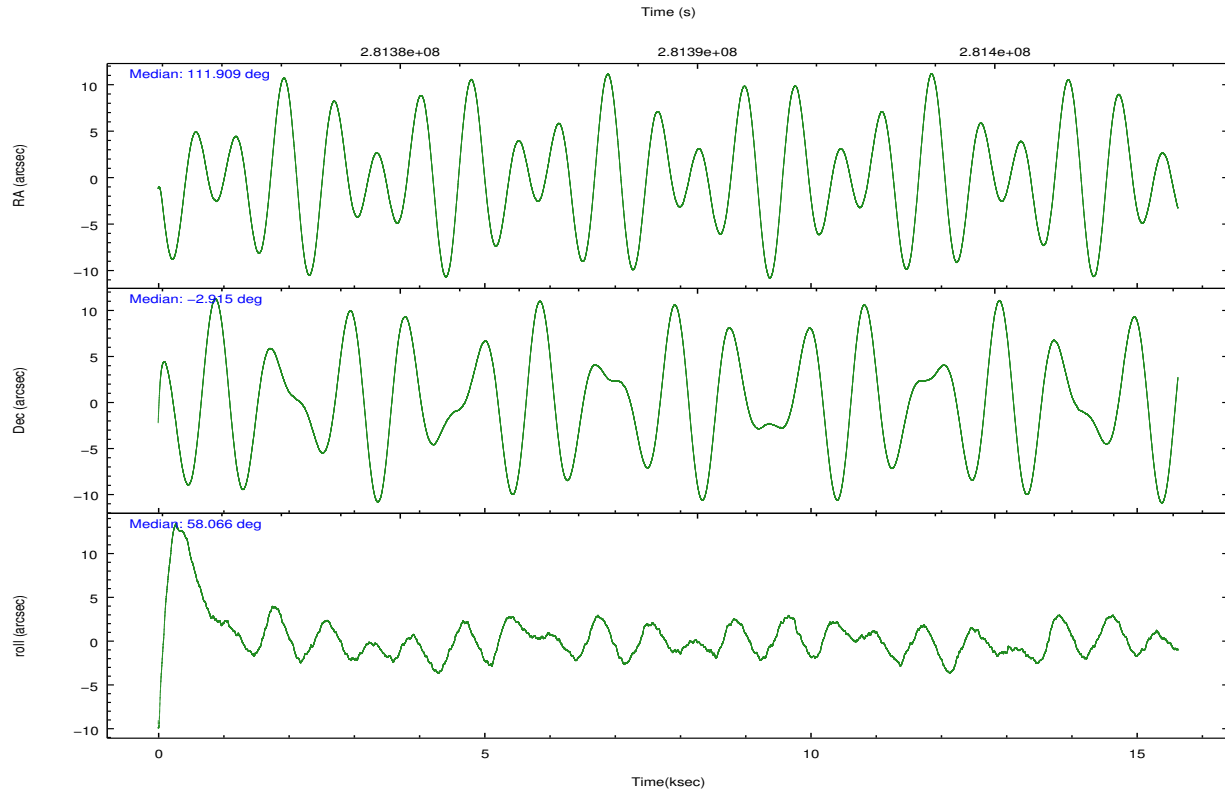
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	131347	121119	169712	126253	136148	158118	grade 0 events	4271	4067	9865	5043	5746	11242
rejected events	119820	110122	86722	113221	76113	120680		3%	3%	5%	3%	4%	7%
rejected %	91%	90%	51%	89%	55%	76%	grade 1 events	77	47	378	56	174	109
								0%	0%	0%	0%	0%	0%
							grade 2 events	2797	2322	24491	2813	12291	8727
								2%	1%	14%	2%	9%	5%
							grade 3 events	1289	1325	3435	1411	5686	4308
								0%	1%	2%	1%	4%	2%
							grade 4 events	1241	1235	3430	1343	5513	3777
								0%	1%	2%	1%	4%	2%
							grade 5 events	4013	4772	13206	4921	14240	7026
								3%	3%	7%	3%	10%	4%
							grade 6 events	2170	2344	43984	2740	32289	10310
								1%	1%	25%	2%	23%	6%
							grade 7 events	115489	105007	70923	107926	60209	112619
								87%	86%	41%	85%	44%	71%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	111.908202	111.9087165263964	CCD I2 on	O1	Y
[deg] Pointing Dec	-2.942082	-2.914878149096158	CCD I3 on	O2	Y
[deg] Pointing Roll	57.916276	58.07292010471453	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	281381821.184000	281380577.4813	CCD S5 on	N	N
Observation start date	2006-12-01T17:35:56	2006-12-01T17:16:17	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	281397321.184000	281398237.71963	On-chip summing requested	N	N
Observation end date	2006-12-01T21:54:16	2006-12-01T22:10:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



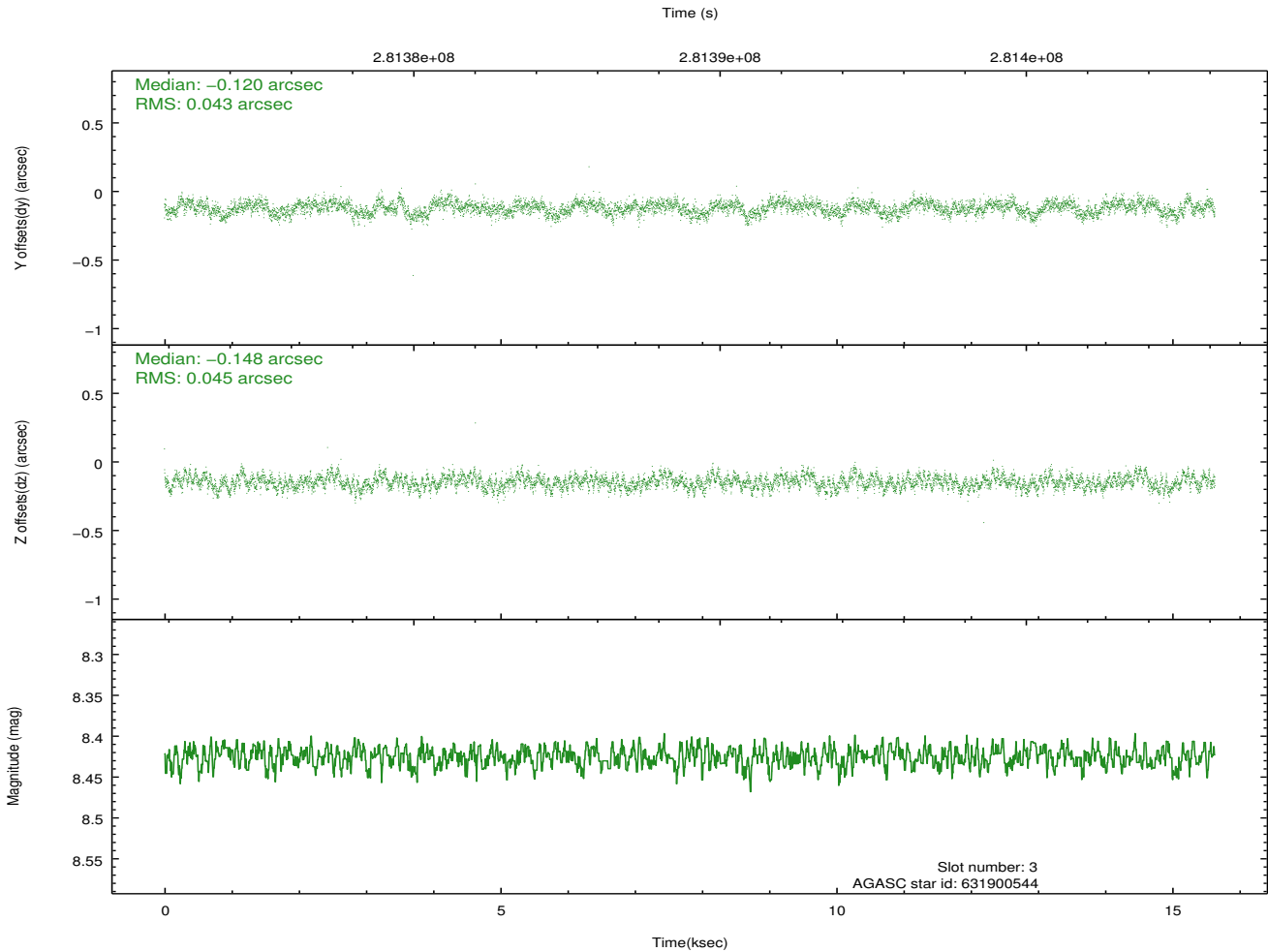
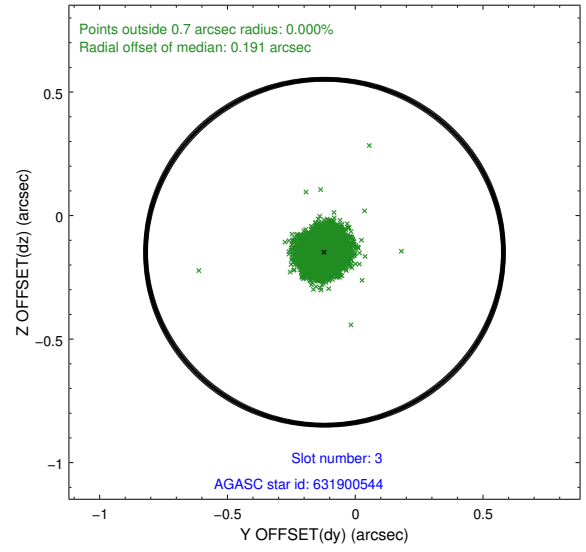
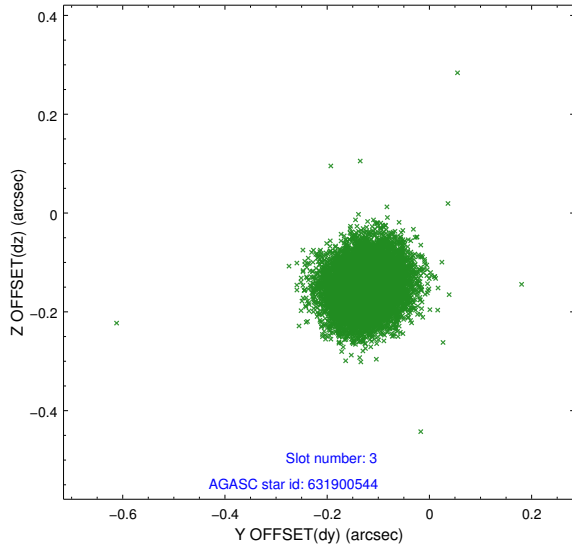


Slot Statistics

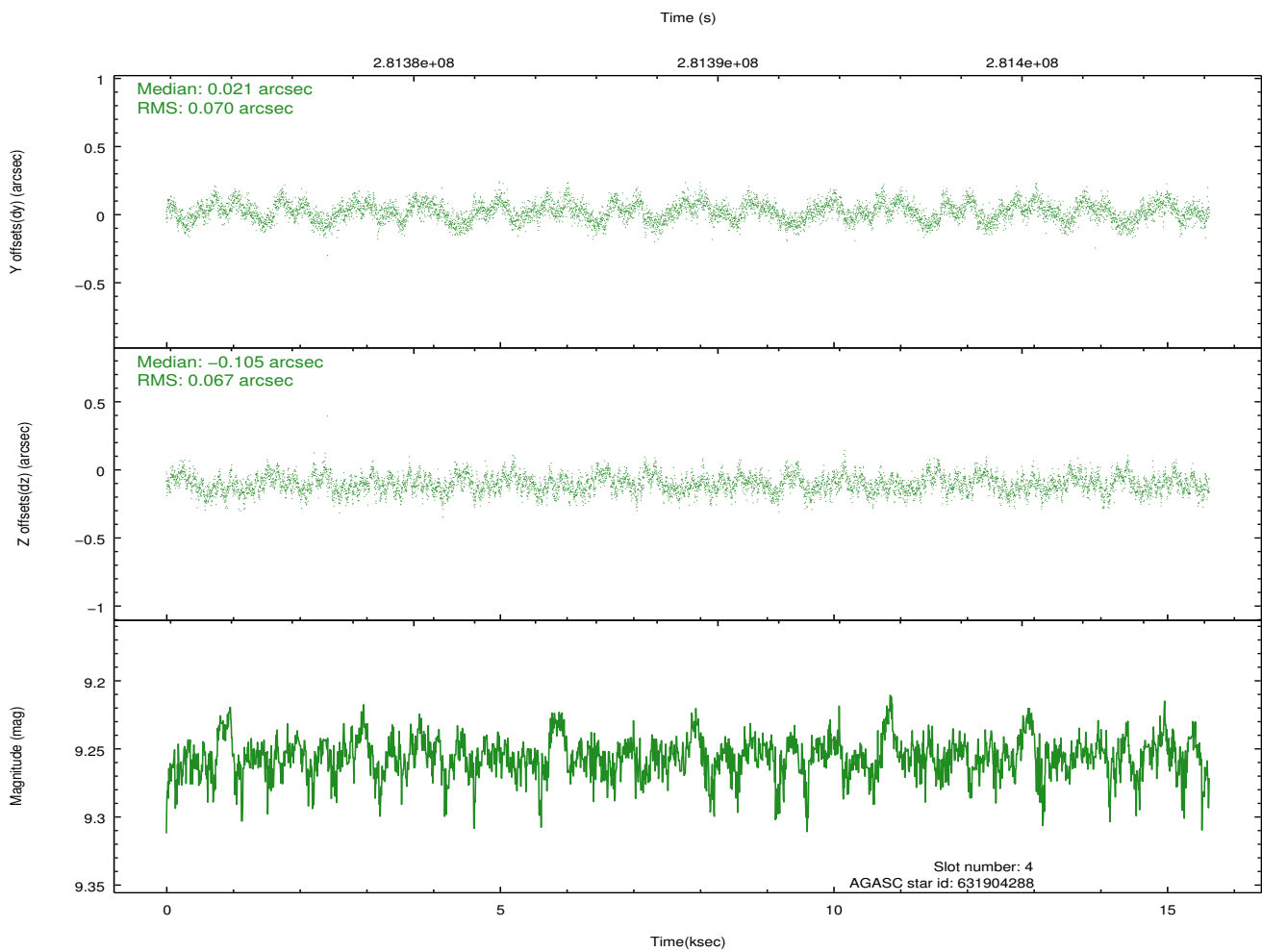
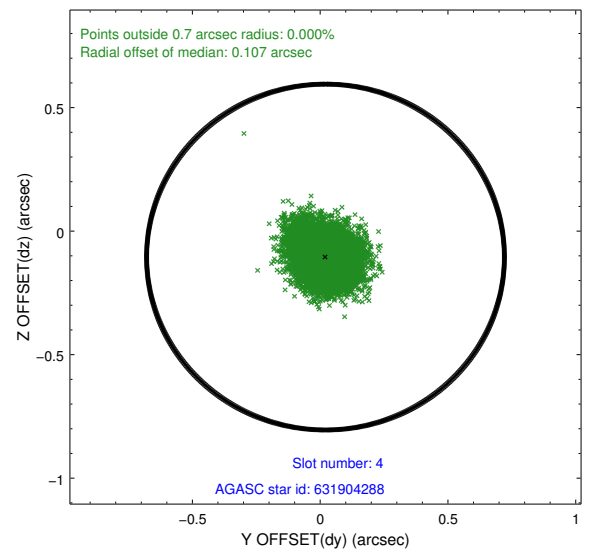
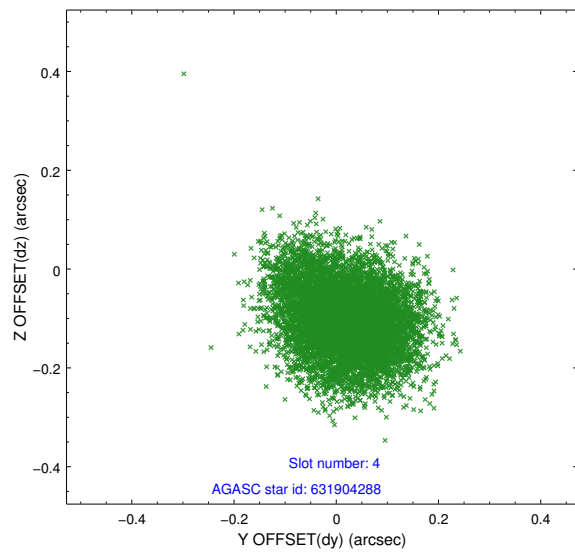
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3813	-0.035	-0.035	0.007	0.011	0.000000	0.000000	-764.14	-1733.32
1	FID	ACIS-S-4	7.21	3813	0.125	0.026	0.006	0.010	0.000000	0.000000	2149.17	174.92
2	FID	ACIS-S-5	7.24	3812	-0.122	0.018	0.006	0.011	0.000000	0.000000	-1816.70	168.91
3	GUIDE	631900544	8.42	7623	-0.120	-0.148	0.066	0.104	111.645868	-2.181026	1820.22	2255.00
4	GUIDE	631904288	9.26	7622	0.021	-0.105	0.105	0.165	111.987156	-2.560711	1314.82	489.06
5	GUIDE	631908776	9.06	7620	-0.223	-0.031	0.093	0.148	112.194808	-3.047936	224.99	-1075.33
6	GUIDE	631911704	8.47	7626	0.081	0.117	0.057	0.092	112.257538	-3.112671	147.34	-1390.23
7	GUIDE	631916040	8.96	7622	0.246	0.166	0.077	0.124	112.166146	-3.435786	-1012.63	-1729.59

2.4 Star Slots

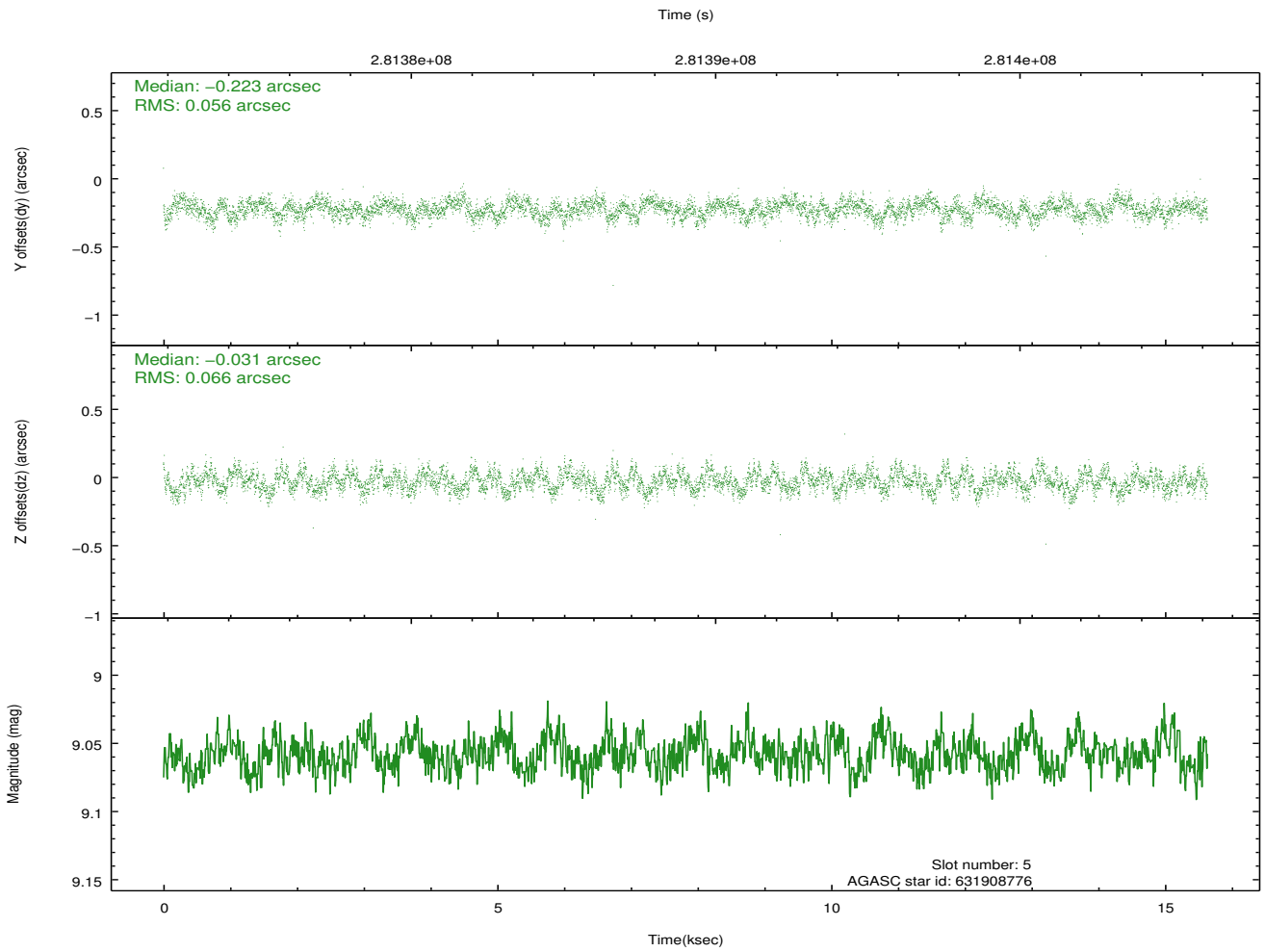
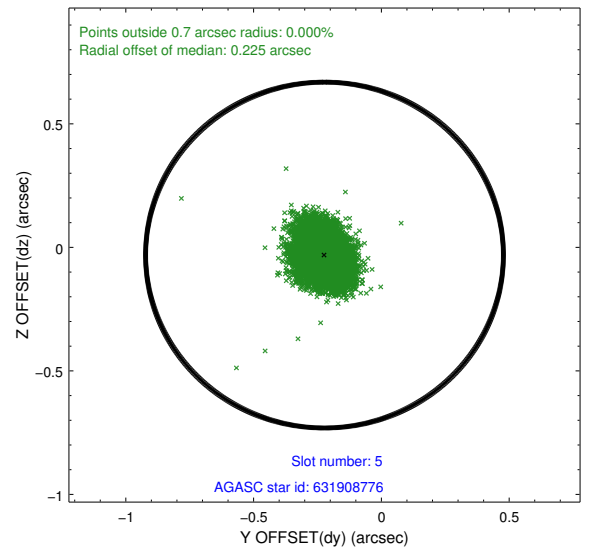
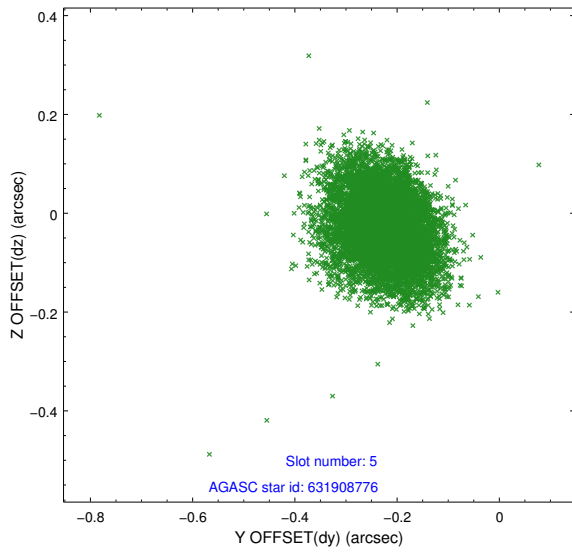
2.4.1 Slot 3



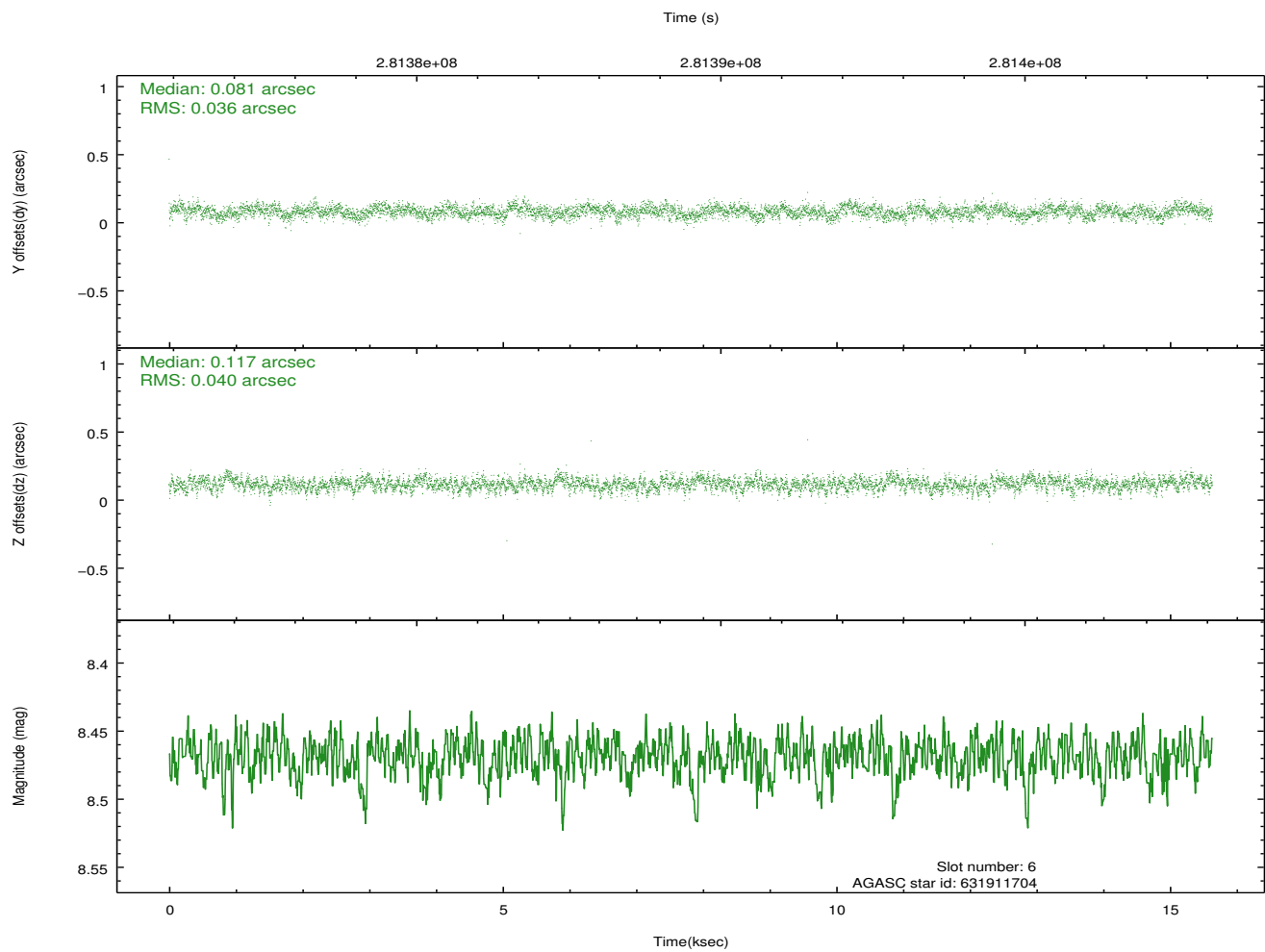
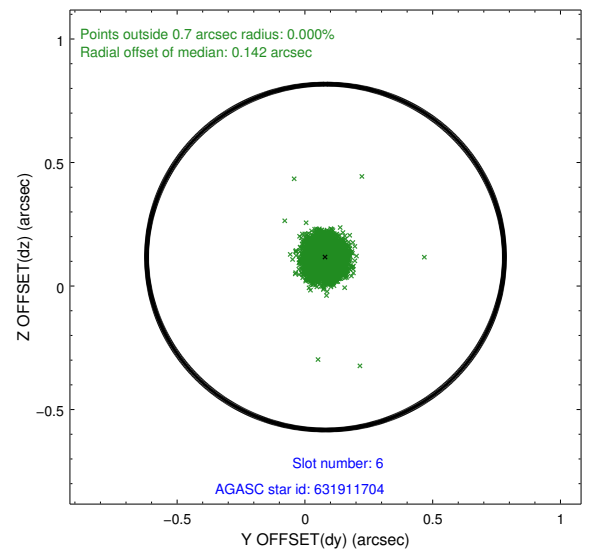
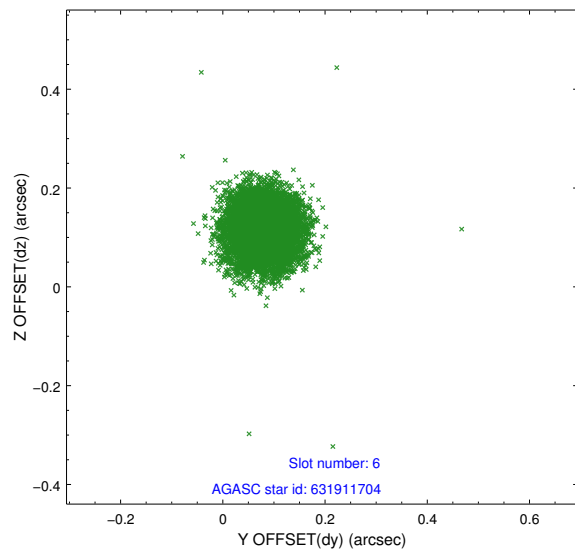
2.4.2 Slot 4



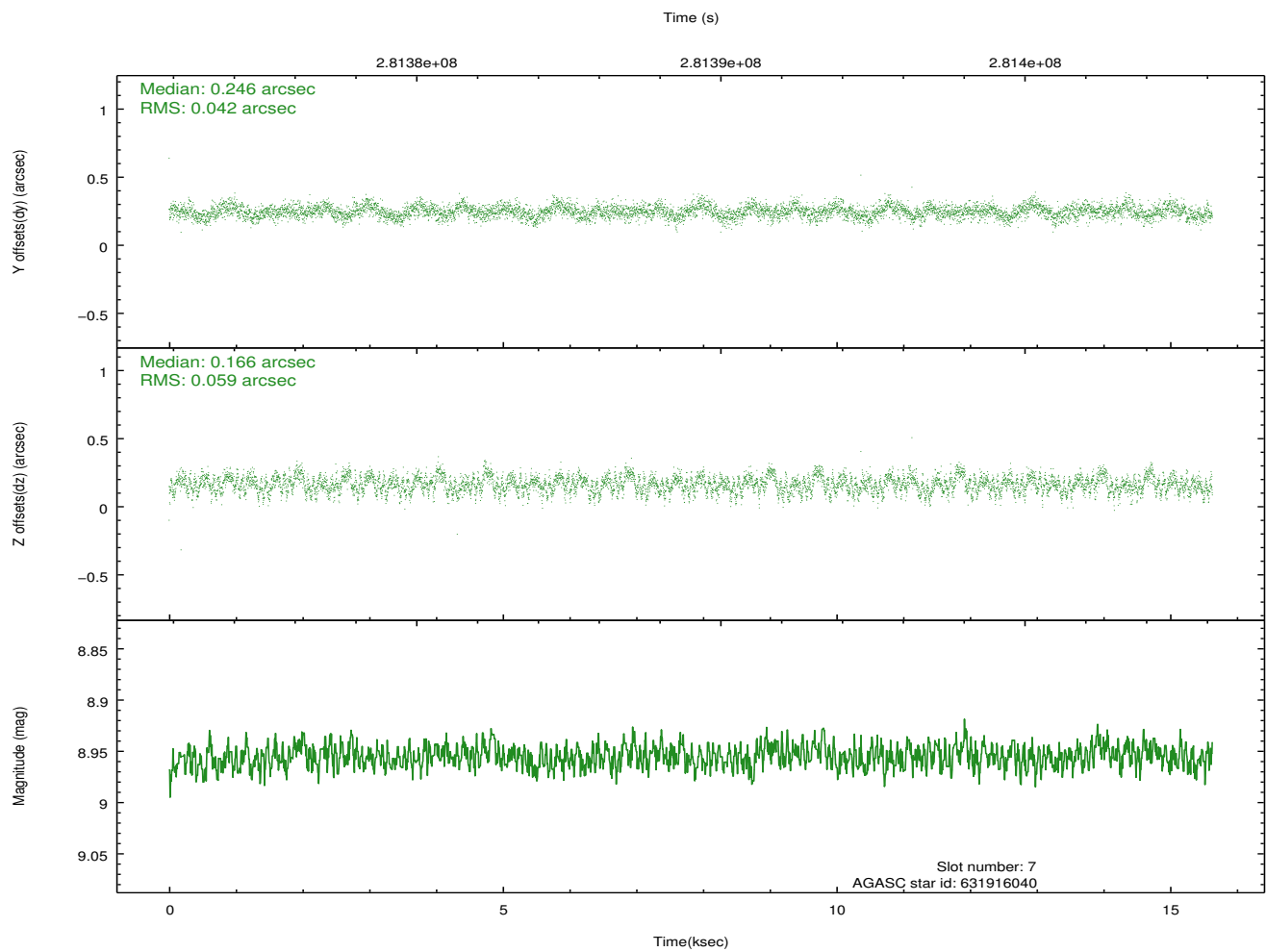
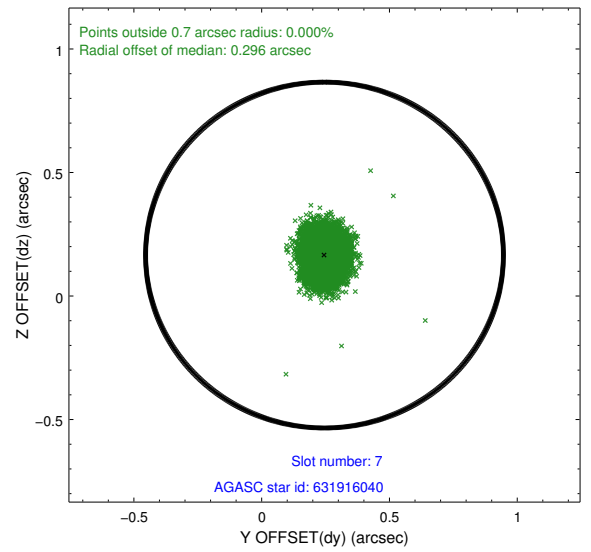
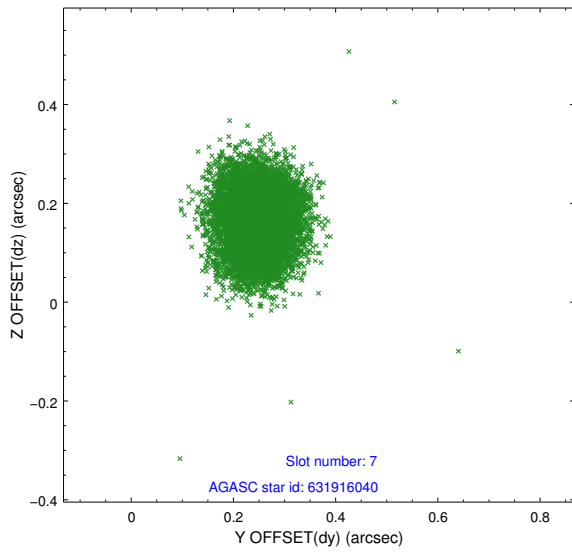
2.4.3 Slot 5



2.4.4 Slot 6

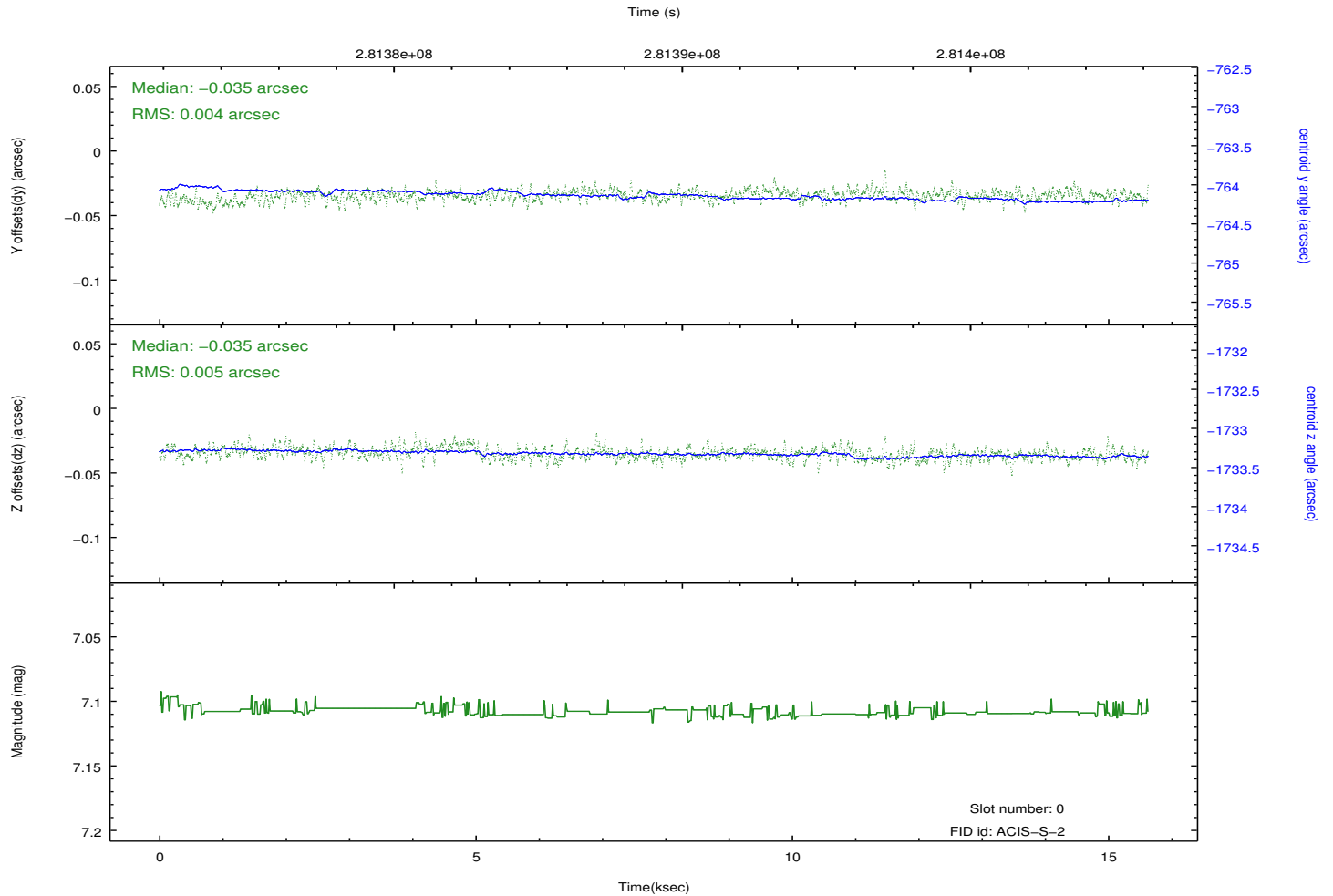
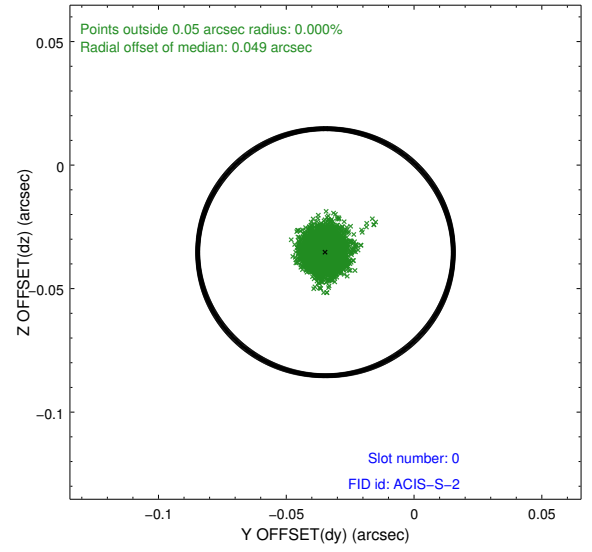
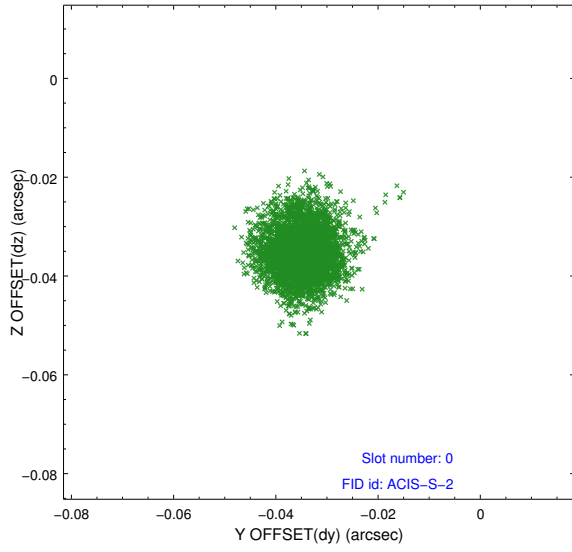


2.4.5 Slot 7

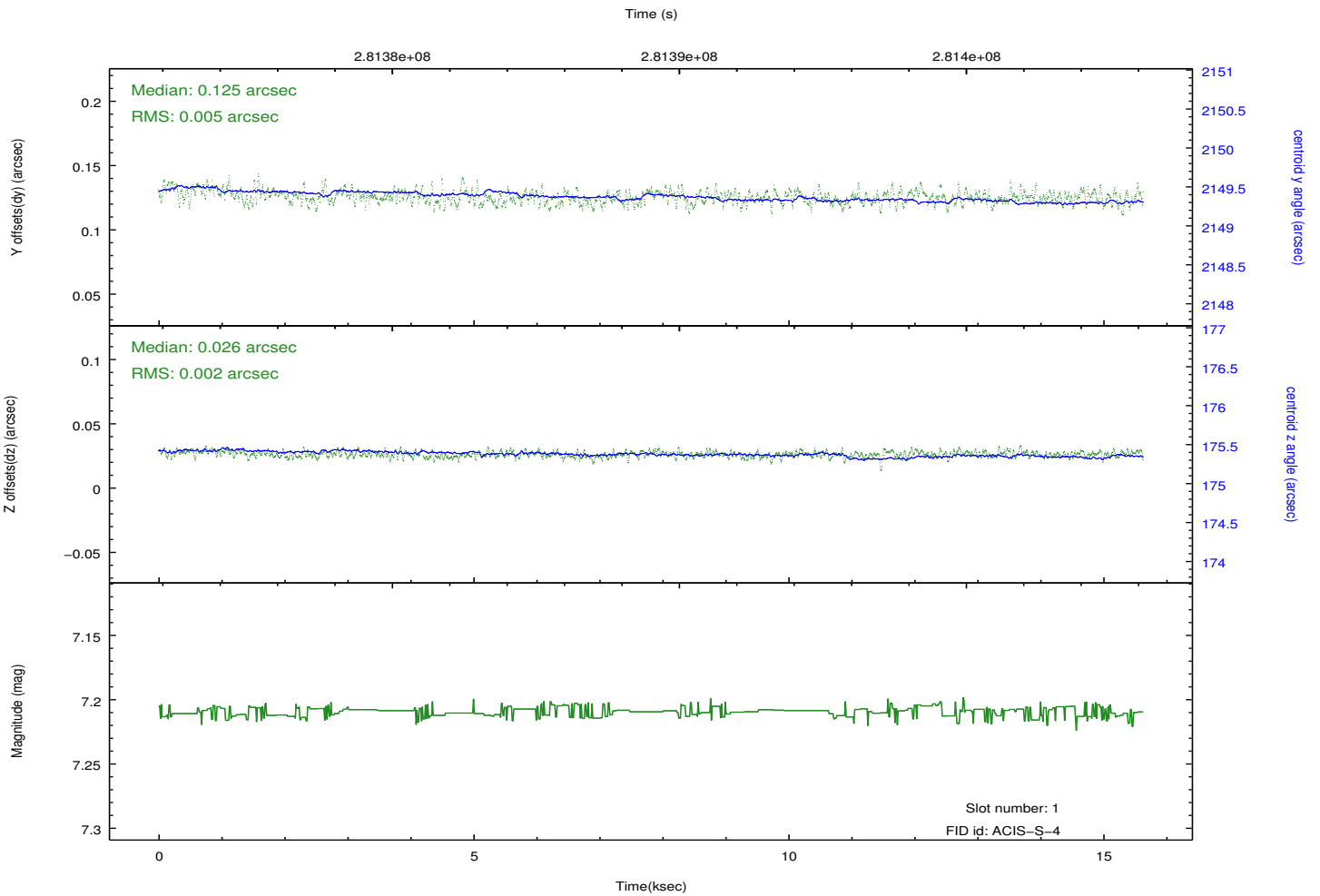
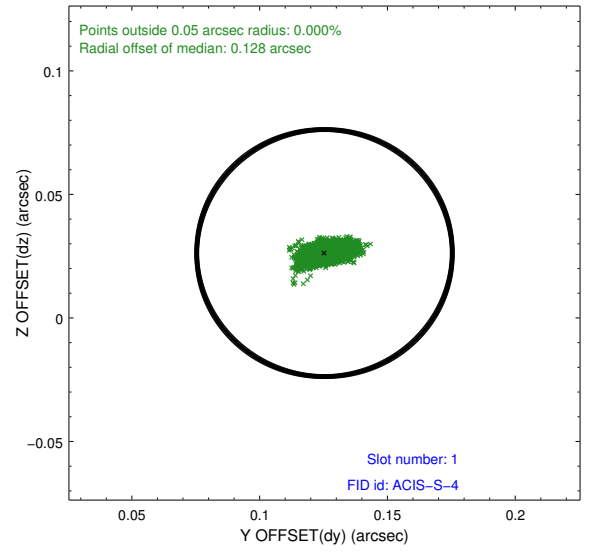
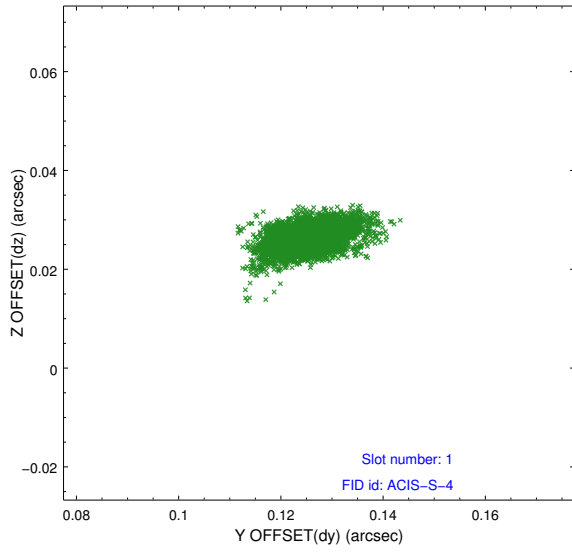


2.5 FID Slots

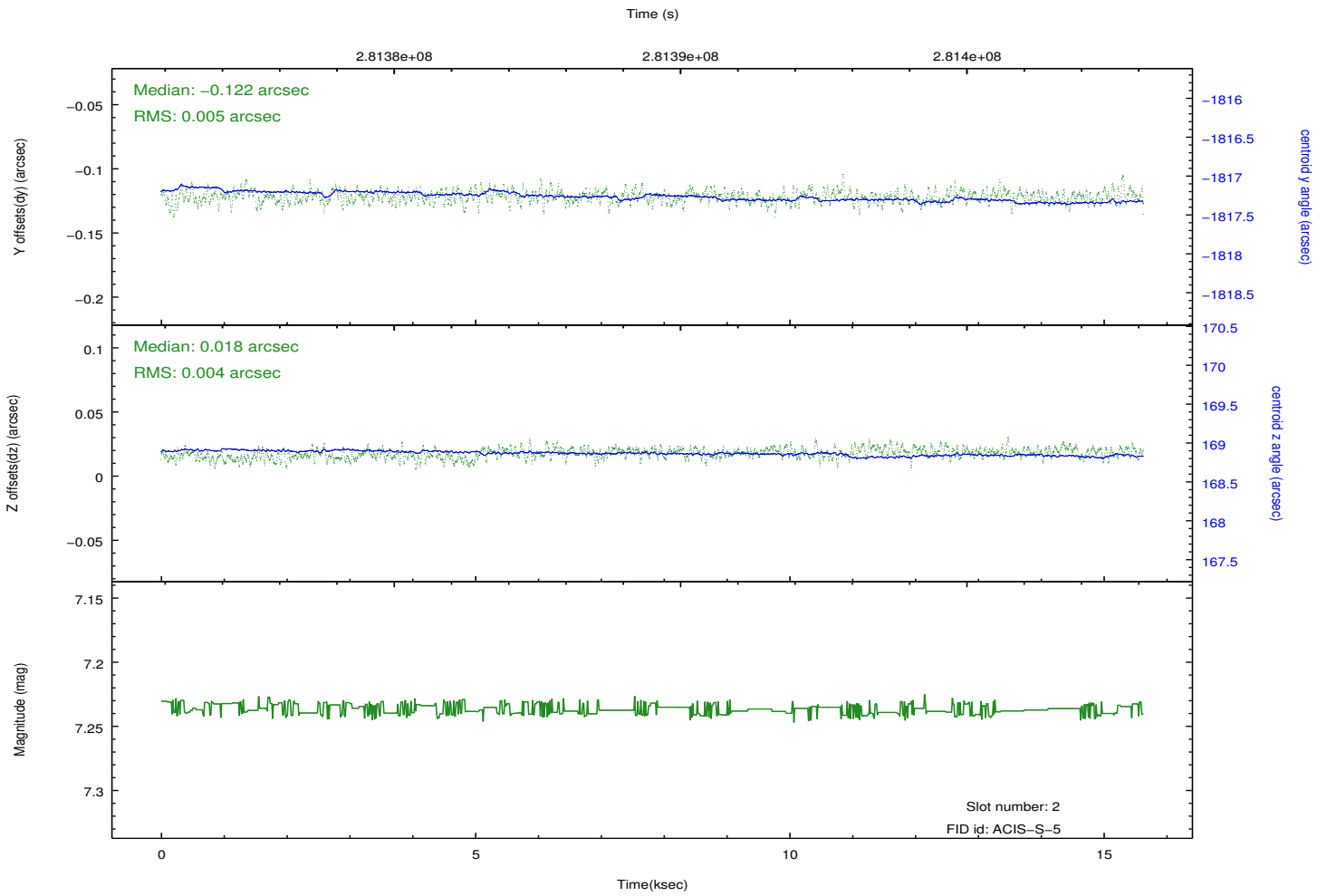
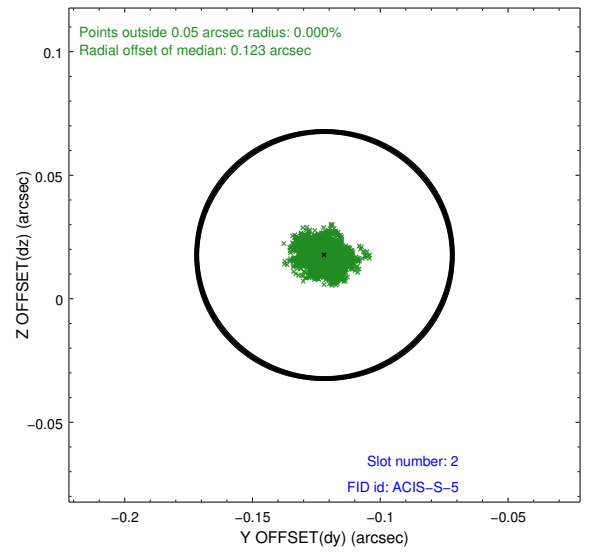
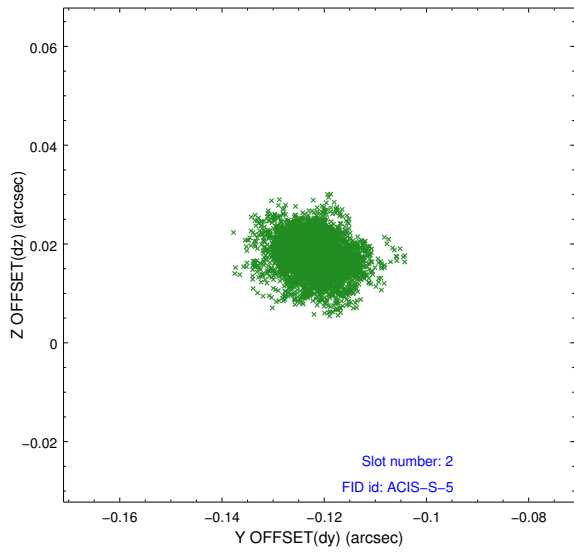
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.6255999

A.2 Comments