

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7805 - L2 Version 2
Chandra X-Ray Center

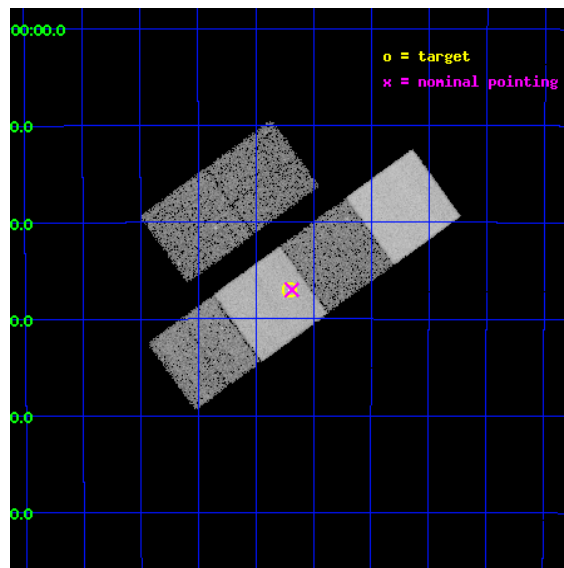
L2 Processing Date : Apr 30 2012

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

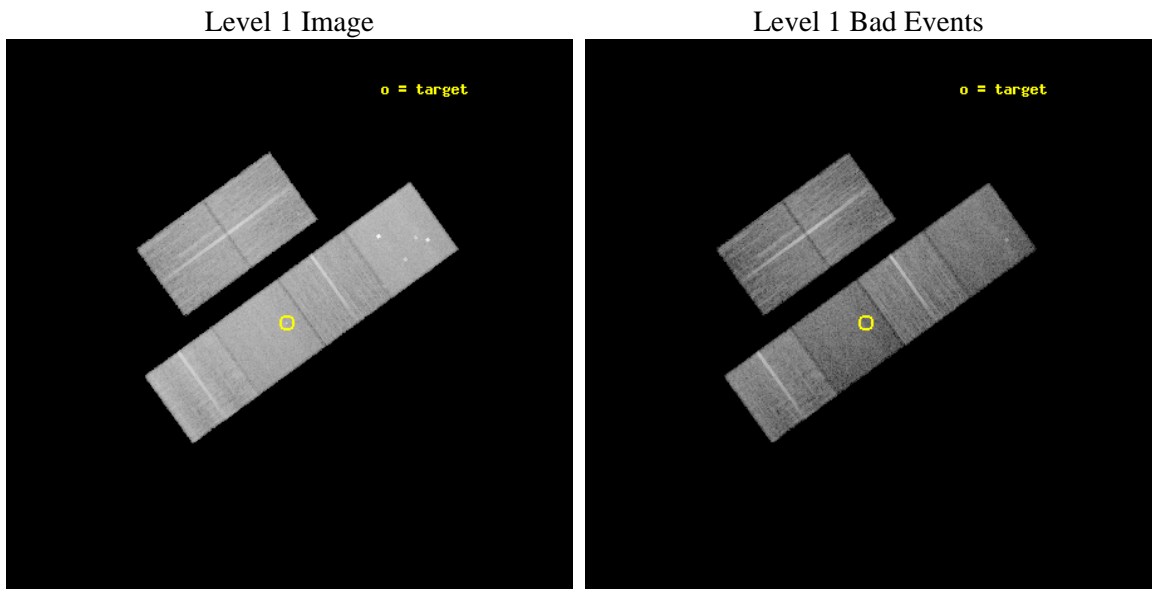
seq_num	701469	Sequence number
obs_id	7805	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	IRAS 09022-3615	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.052917	Observer's specified target RA [deg]
dec_targ	-36.450306	Observer's specified target Dec [deg]
ra_nom	136.0468911256	Nominal RA [deg]
dec_nom	-36.449954789569	Nominal Dec [deg]
roll_nom	144.10382951271	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15043.199944019	Sum of GTIs [s]
livetime	14852.713888401	Livetime [s]
ontime2	15030.236132562	Sum of GTIs [s]
ontime3	15043.199944019	Sum of GTIs [s]
ontime5	15043.199944019	Sum of GTIs [s]
ontime6	15043.199944019	Sum of GTIs [s]
ontime7	15043.199944019	Sum of GTIs [s]
ontime8	15043.199944019	Sum of GTIs [s]
l2events	182824	Number of level 2 events



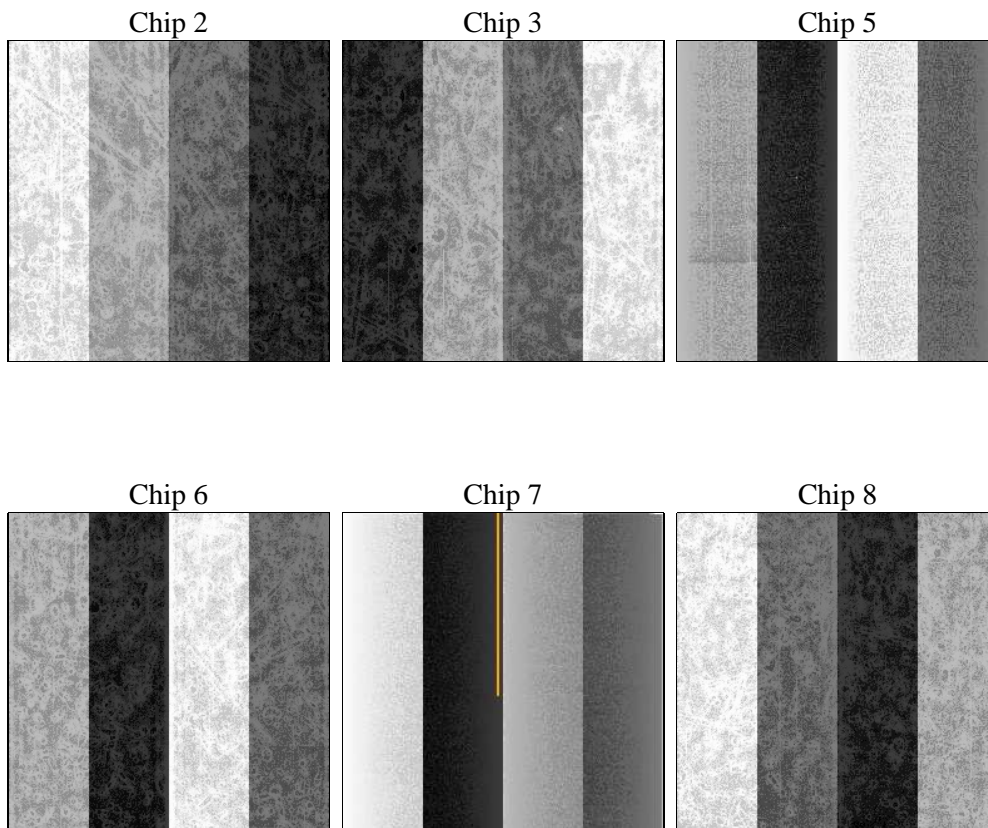
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15043.199944019	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15030.236132562	Sum of GTIs [s]
date	2012-04-30T13:48:14	Date and time of file creation	ontime3	15043.199944019	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15043.199944019	Sum of GTIs [s]
			ontime6	15043.199944019	Sum of GTIs [s]
			ontime7	15043.199944019	Sum of GTIs [s]
			ontime8	15043.199944019	Sum of GTIs [s]
			l1events	821157	Number of level 1 events

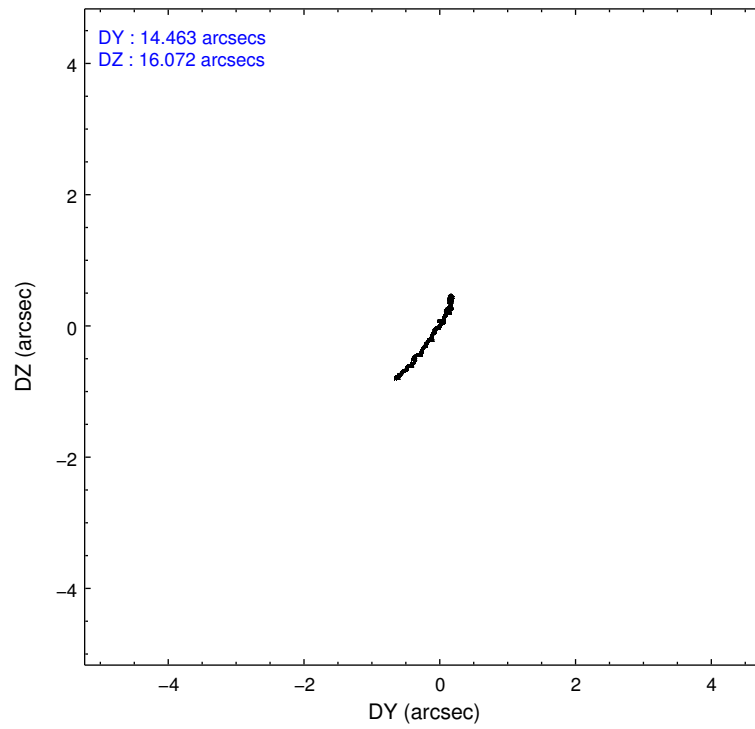
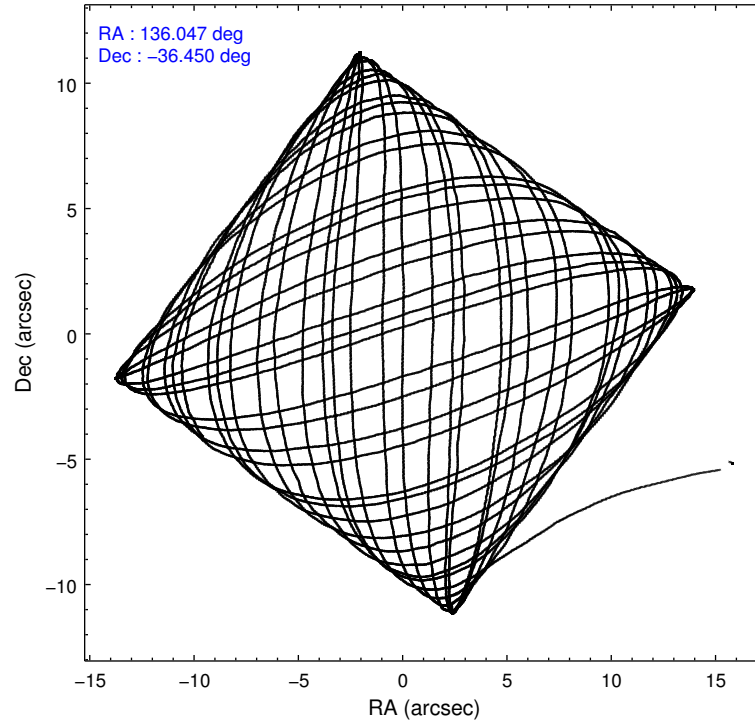
2.1.4 Events

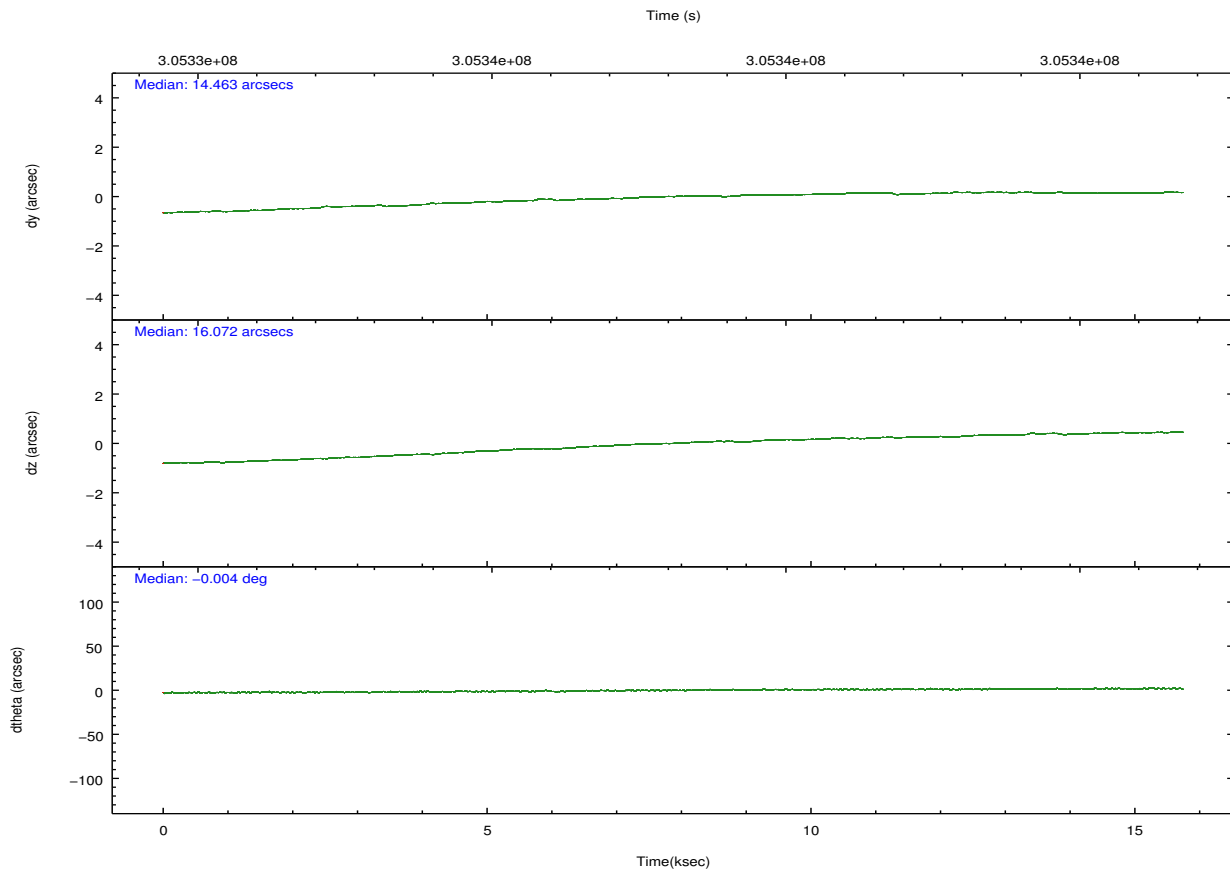
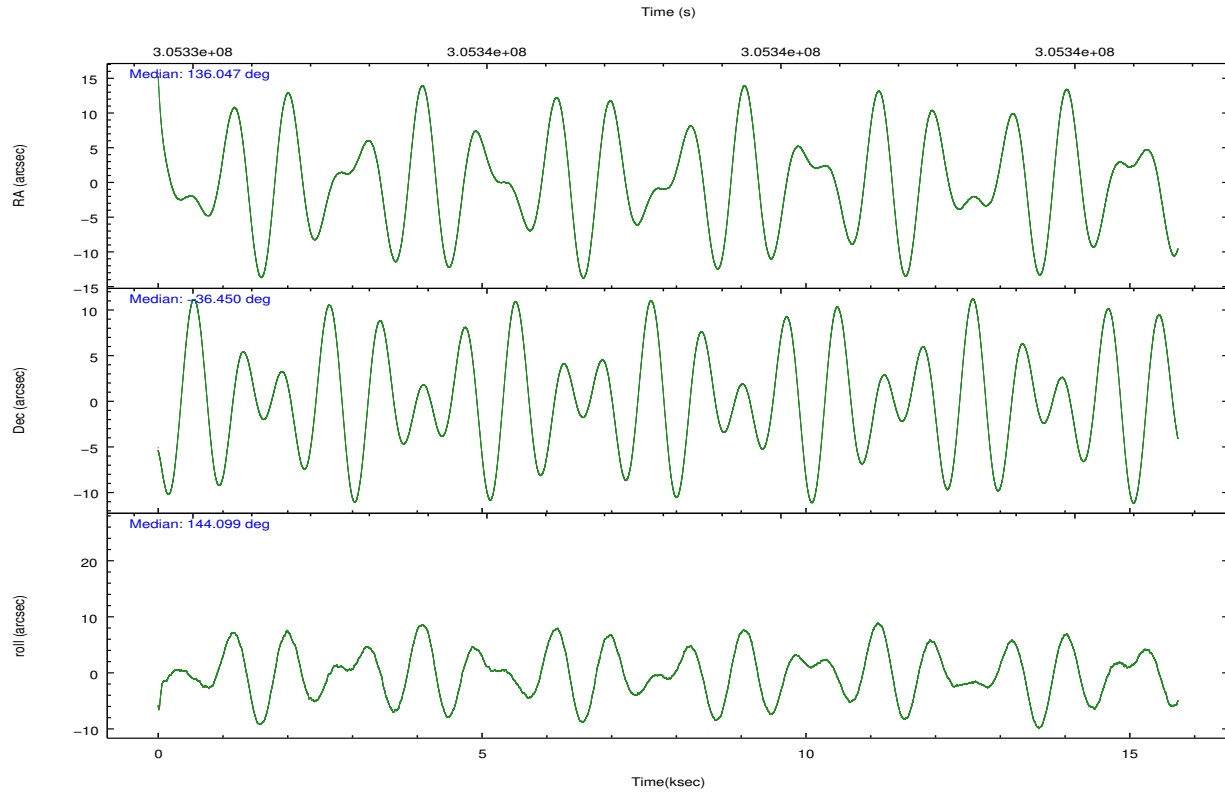
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	127064	112338	170528	123295	135158	152774	grade 0 events	4116	3984	11859	4357	5873	11742
rejected events	115535	101194	83295	110782	72469	114404		3%	3%	6%	3%	4%	7%
rejected %	90%	90%	48%	89%	53%	74%	grade 1 events	87	61	516	63	159	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	2758	2364	25113	2774	12791	8463
								2%	2%	14%	2%	9%	5%
							grade 3 events	1218	1279	3530	1424	5766	4181
								0%	1%	2%	1%	4%	2%
							grade 4 events	1228	1332	3419	1337	5645	3945
								0%	1%	2%	1%	4%	2%
							grade 5 events	4161	4750	13171	4740	14112	7031
								3%	4%	7%	3%	10%	4%
							grade 6 events	2210	2187	43332	2626	32626	10040
								1%	1%	25%	2%	24%	6%
							grade 7 events	111286	96381	69588	105974	58186	107233
								87%	85%	40%	85%	43%	70%

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	136.080770	136.0468911255996	CCD I2 on	O1	Y
[deg] Pointing Dec	-36.452376	-36.44995478956876	CCD I3 on	O2	Y
[deg] Pointing Roll	143.967339	144.1038295127084	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)	305330950.184000	305329520.66052	CCD S5 on	N	N
Observation start date	2007-09-04T22:08:05	2007-09-04T21:45:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	305345950.184000	305347323.37387	On-chip summing requested	N	N
Observation end date	2007-09-05T02:18:05	2007-09-05T02:42:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



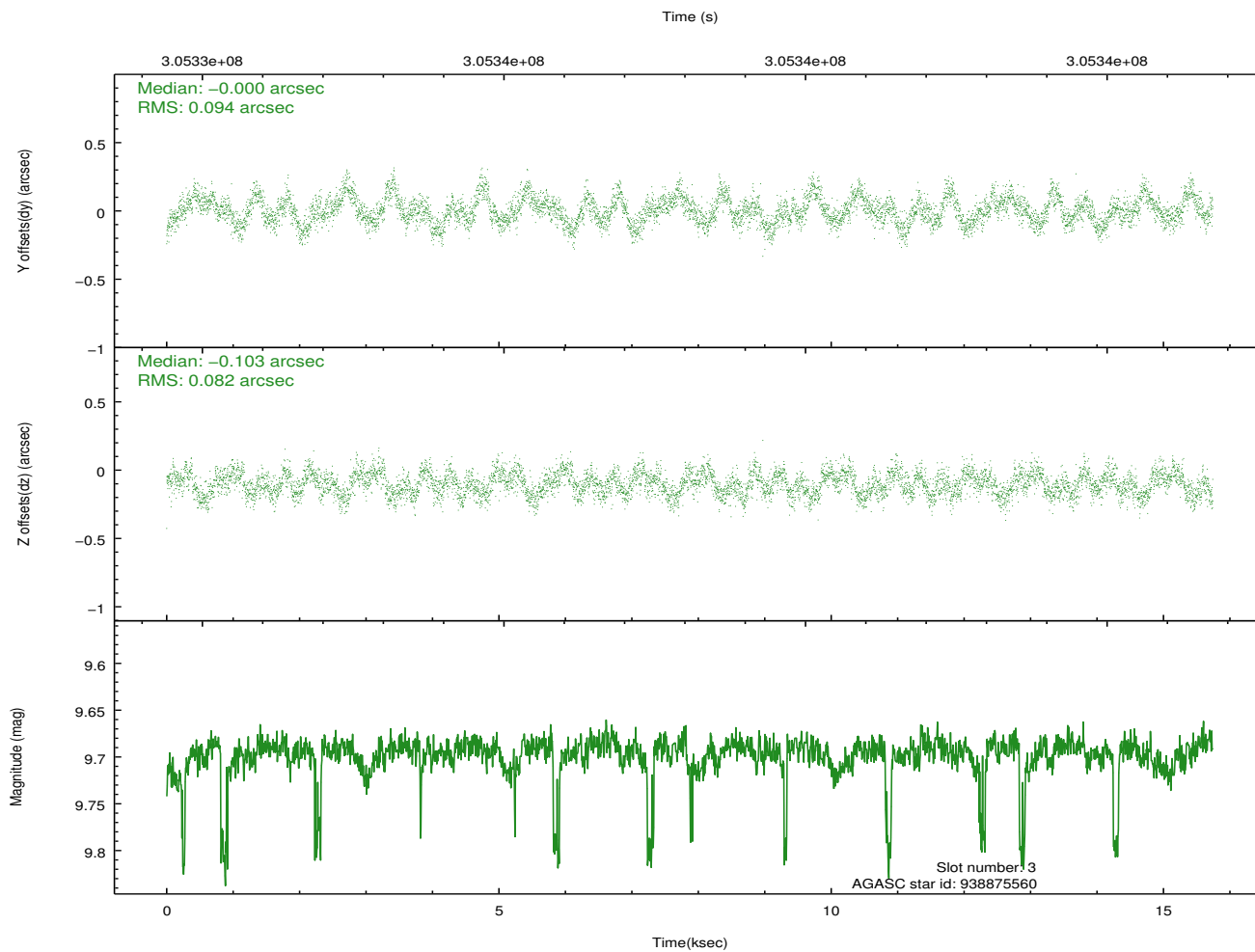
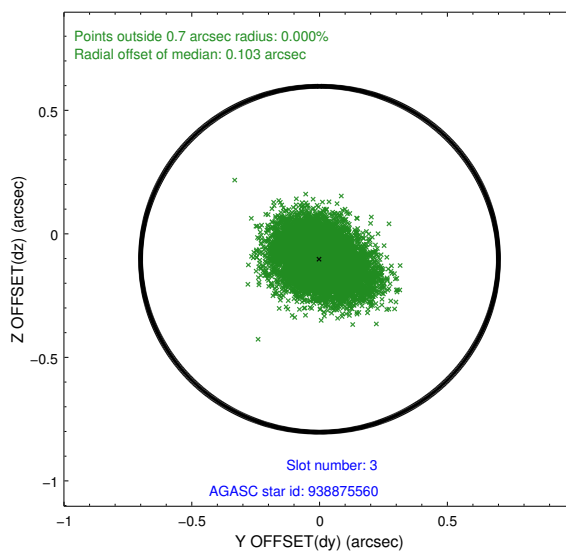
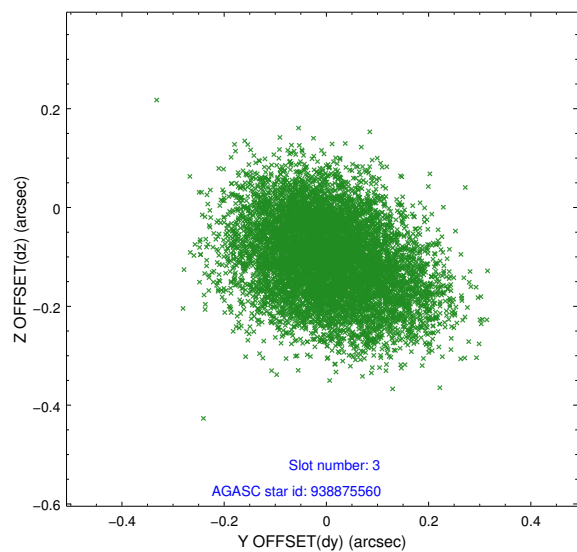


Slot Statistics

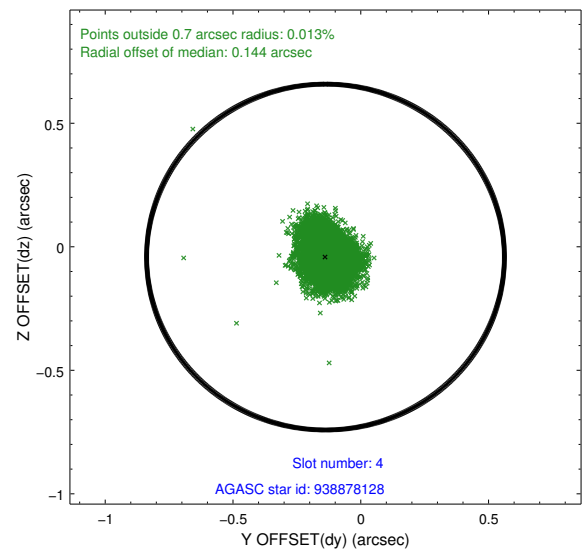
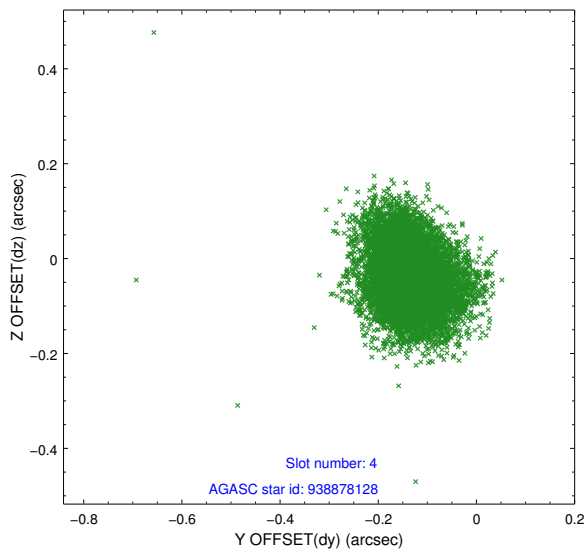
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3840	-0.079	-0.033	0.010	0.016	0.000000	0.000000	-767.39	-1737.42
1	FID	ACIS-S-4	7.19	3840	0.212	0.047	0.007	0.012	0.000000	0.000000	2146.05	170.85
2	FID	ACIS-S-5	7.22	3839	-0.165	-0.005	0.008	0.013	0.000000	0.000000	-1819.96	164.78
3	GUIDE	938875560	9.70	7633	-0.000	-0.103	0.133	0.216	136.212919	-36.833874	-1115.92	886.73
4	GUIDE	938878128	9.02	7672	-0.138	-0.042	0.087	0.142	135.633321	-36.541992	854.92	1024.82
5	GUIDE	938883264	7.04	7678	-0.009	-0.020	0.068	0.114	136.487443	-36.095884	-202.79	-1731.55
6	GUIDE	937182328	8.31	7674	0.082	0.041	0.092	0.134	134.989750	-36.609479	2206.45	2326.56
7	GUIDE	938891840	9.24	7673	0.056	0.105	0.115	0.180	136.905026	-36.377978	-1779.97	-1613.29

2.4 Star Slots

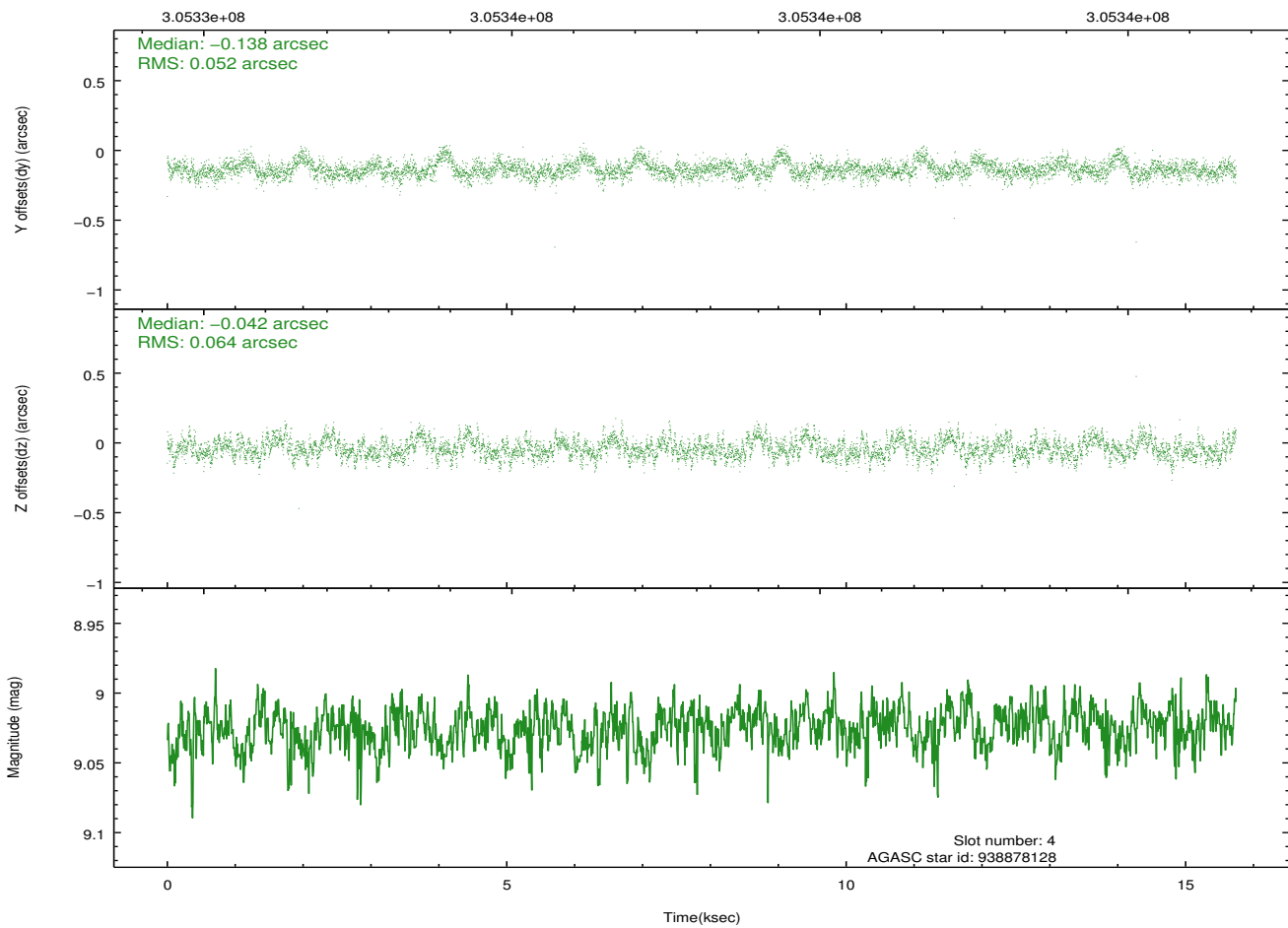
2.4.1 Slot 3



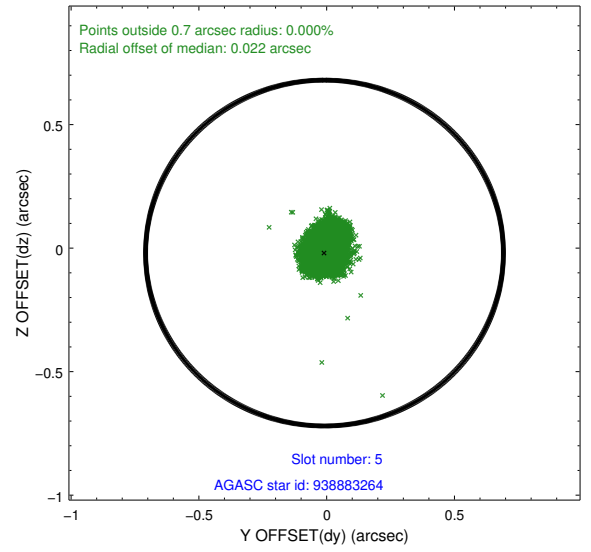
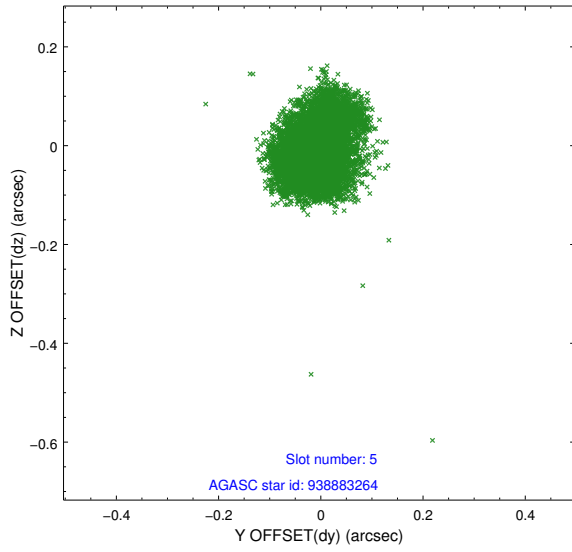
2.4.2 Slot 4



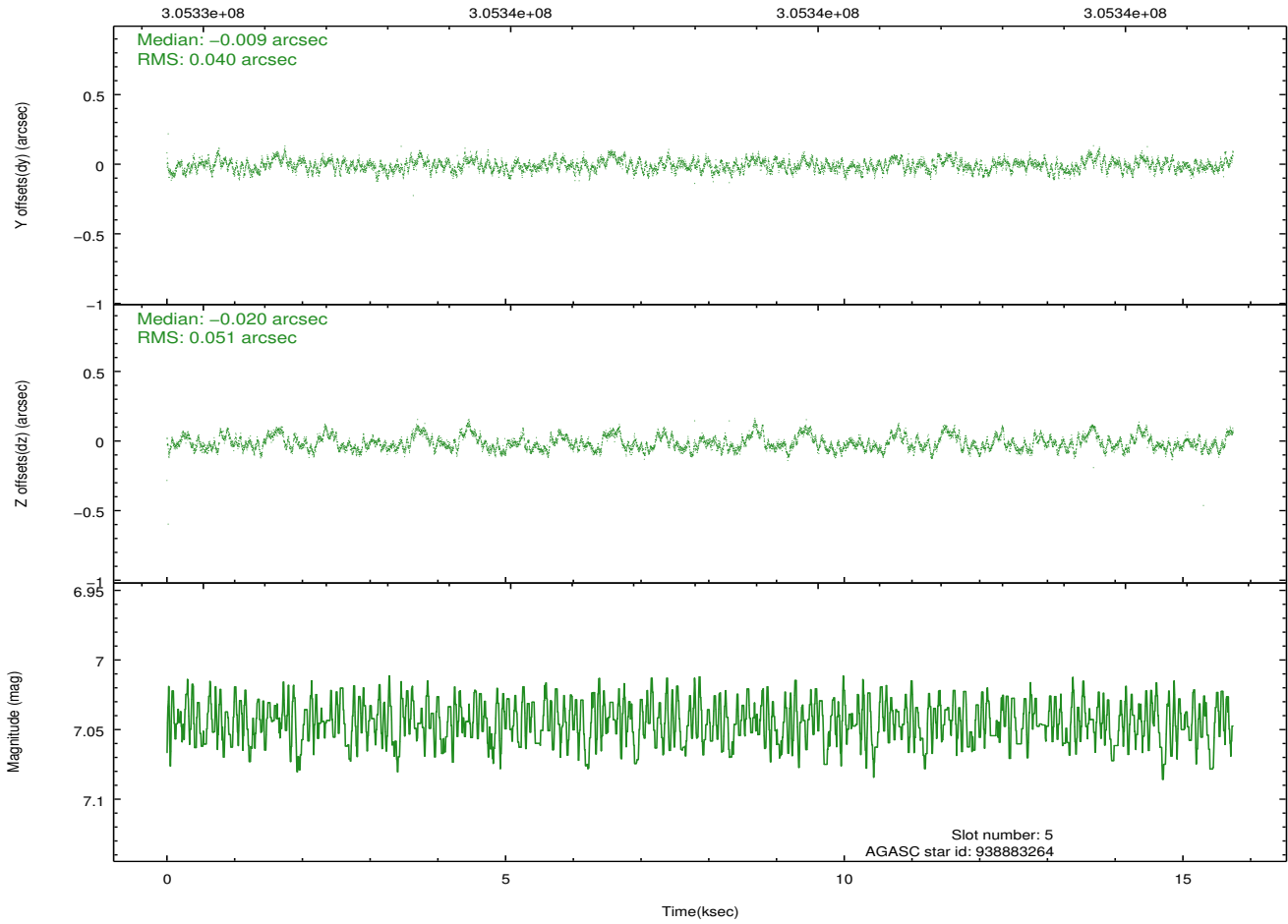
Time (s)



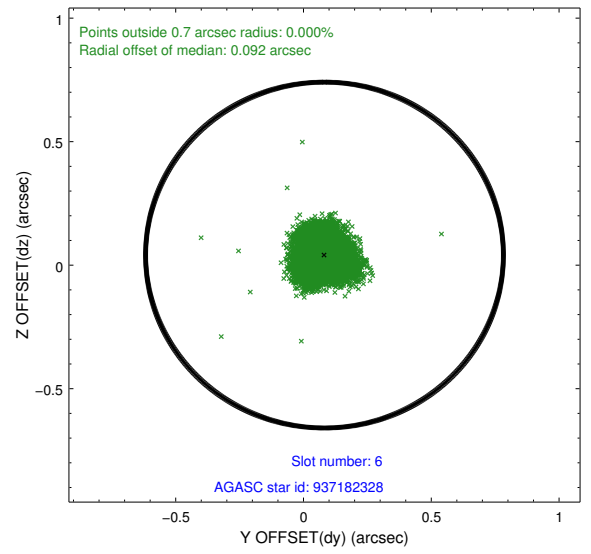
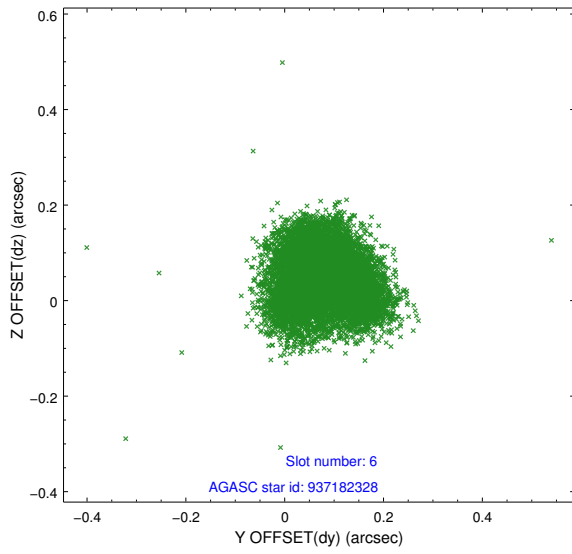
2.4.3 Slot 5



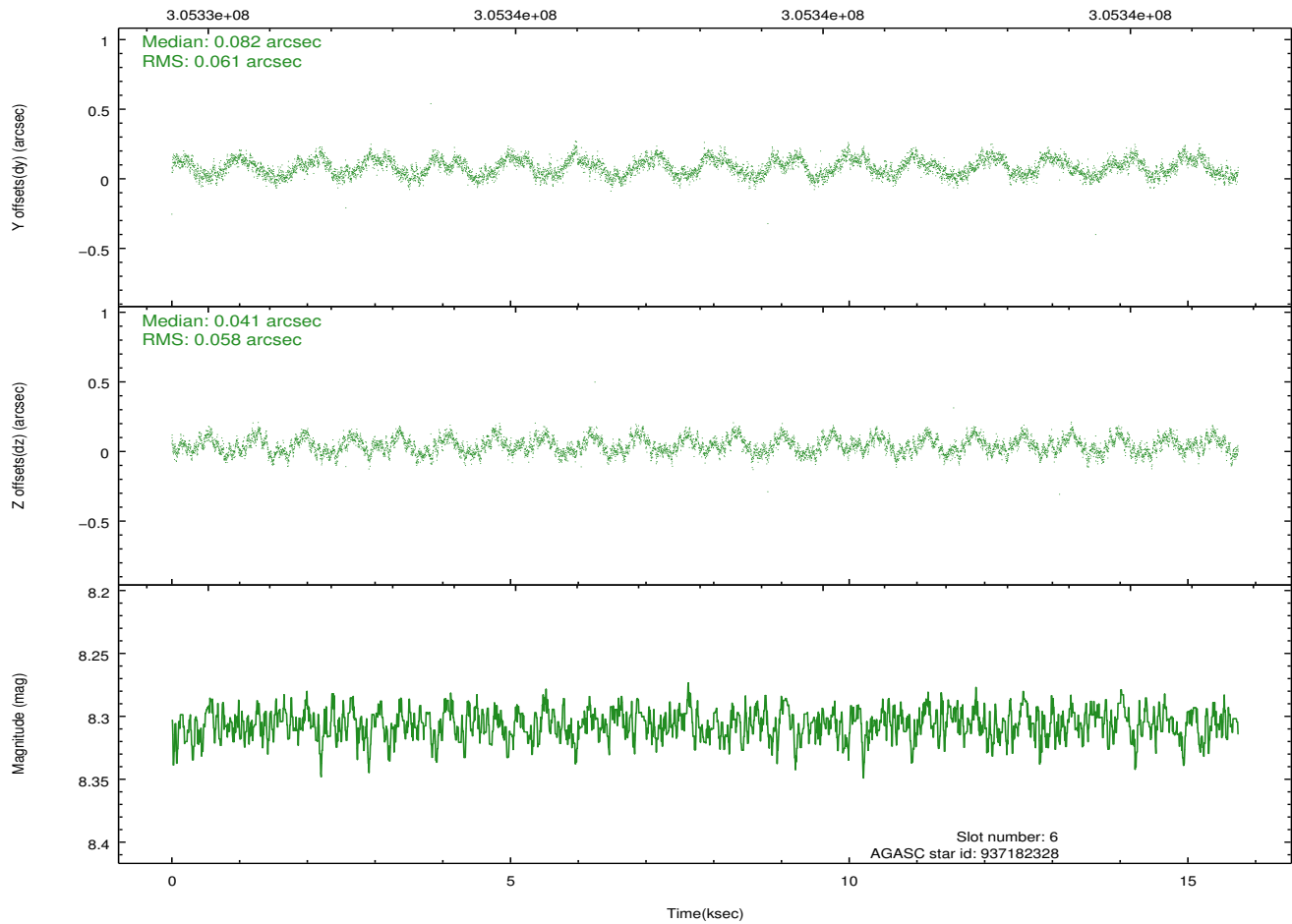
Time (s)



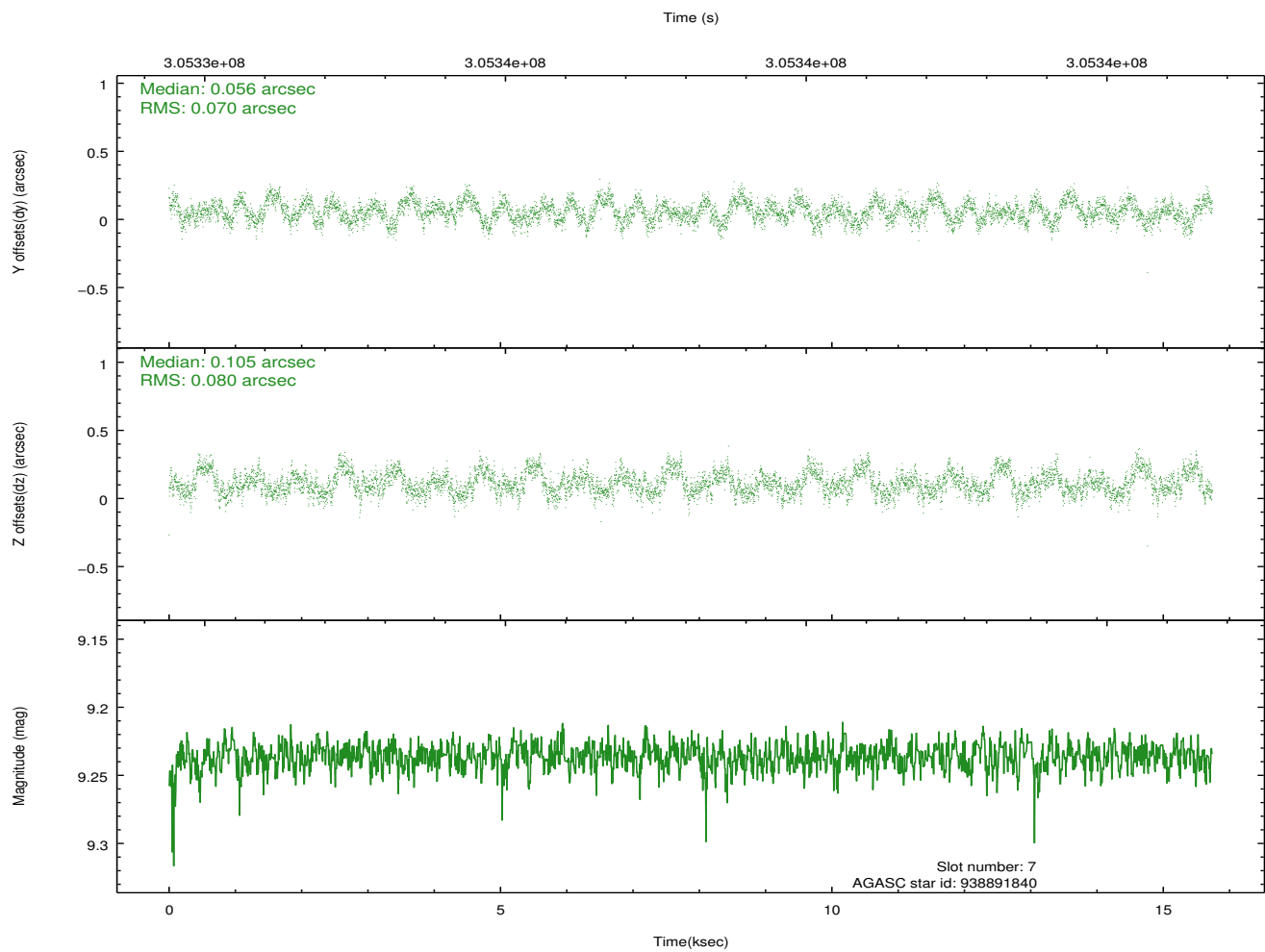
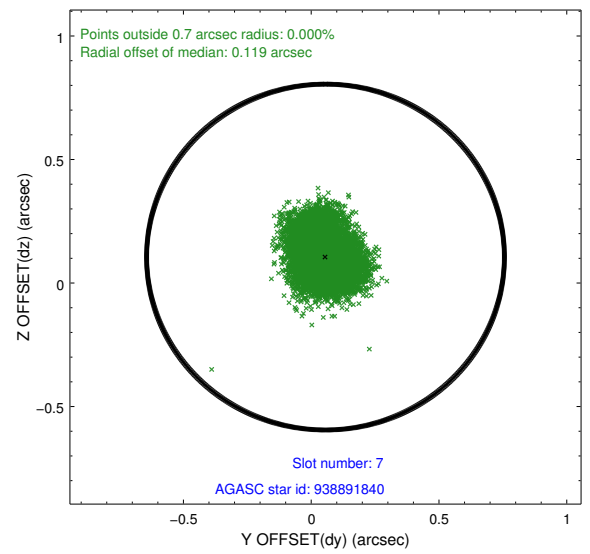
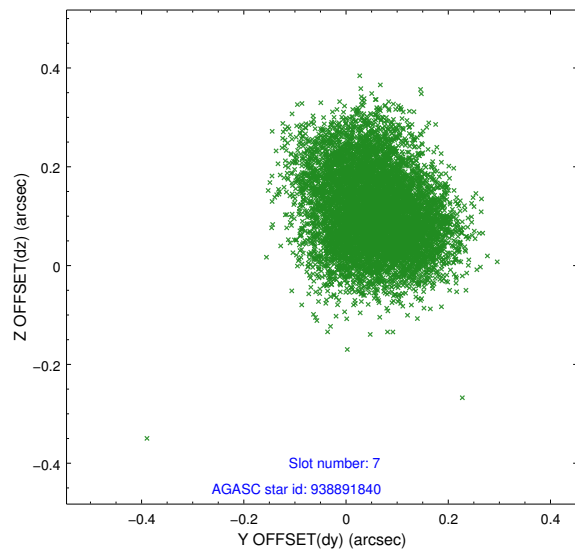
2.4.4 Slot 6



Time (s)

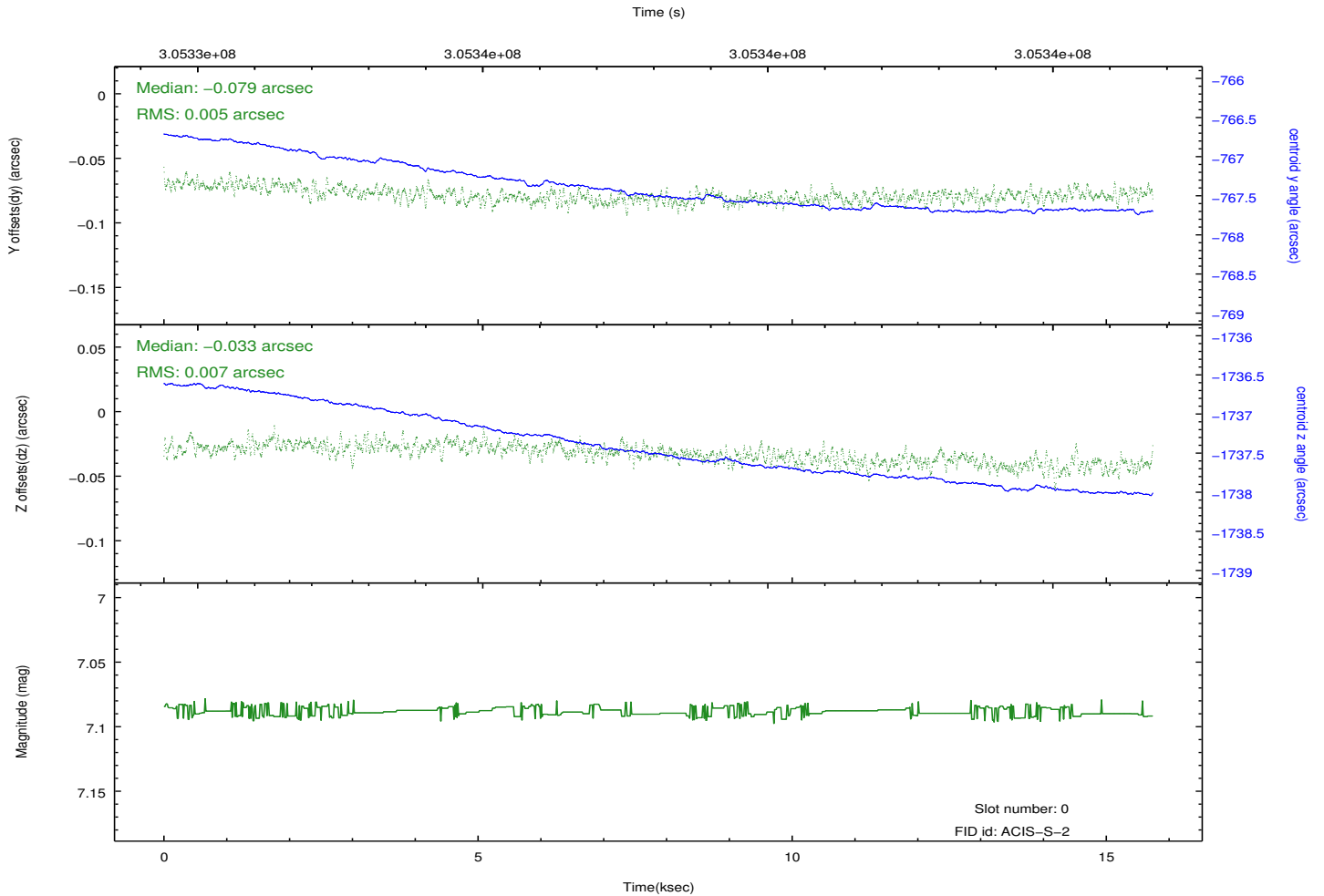
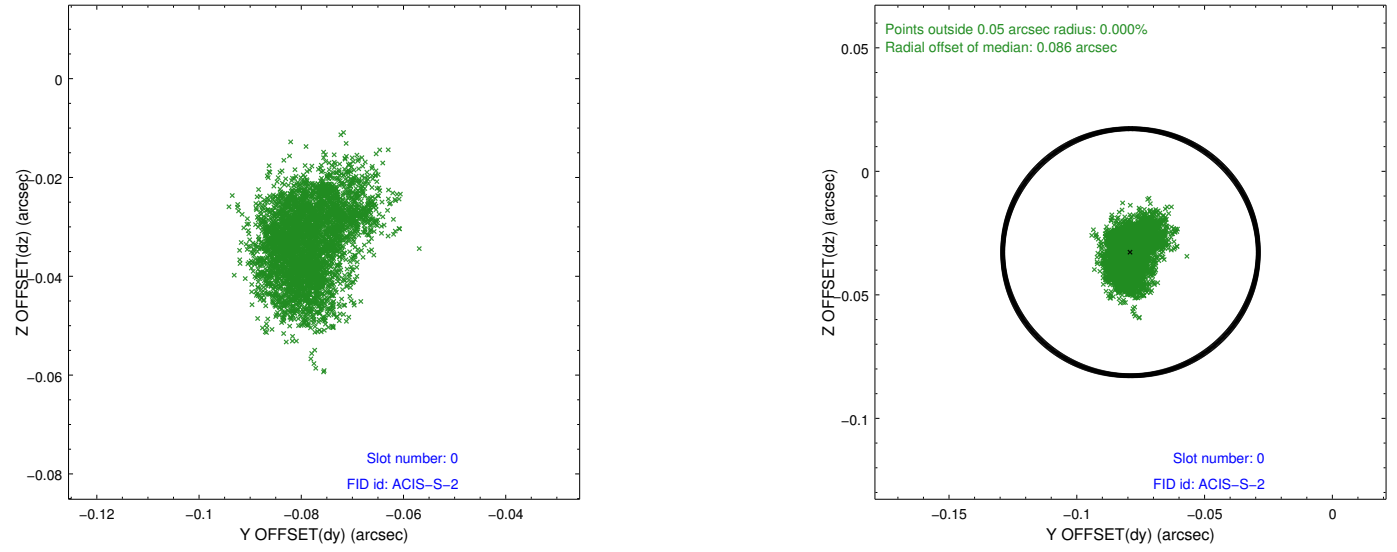


2.4.5 Slot 7

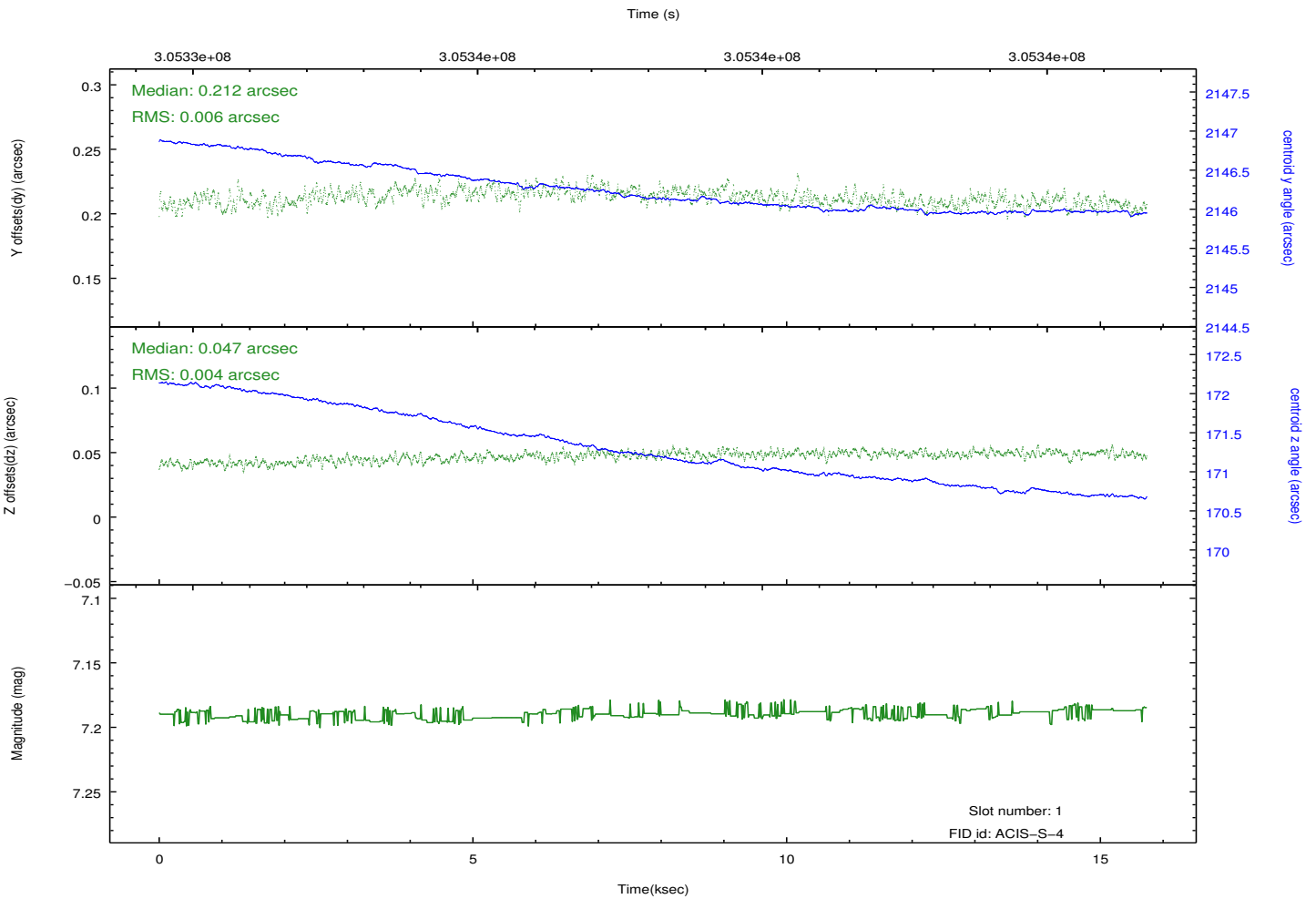
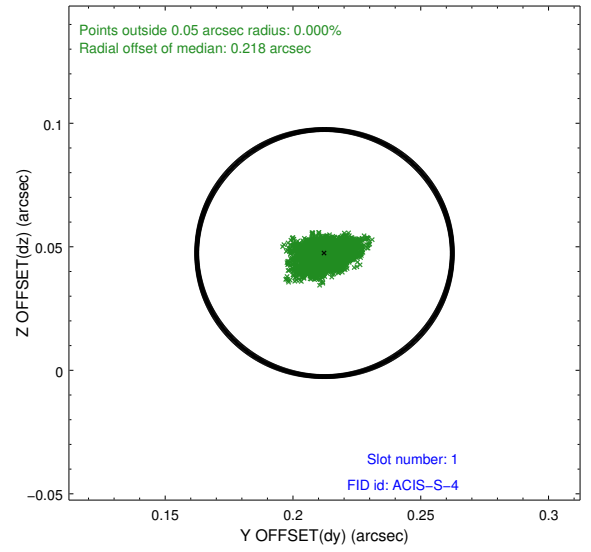
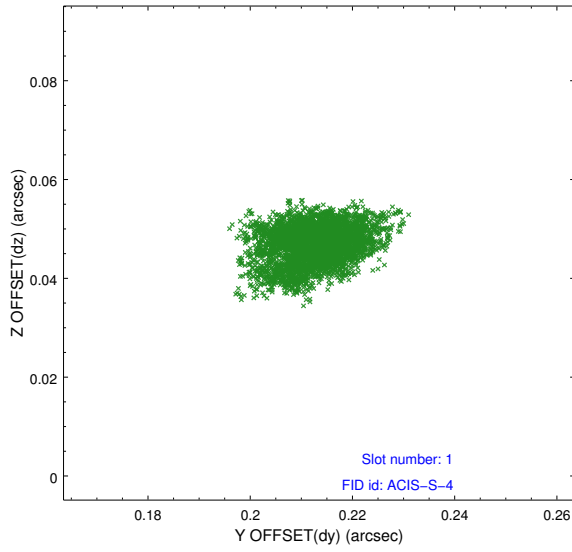


2.5 FID Slots

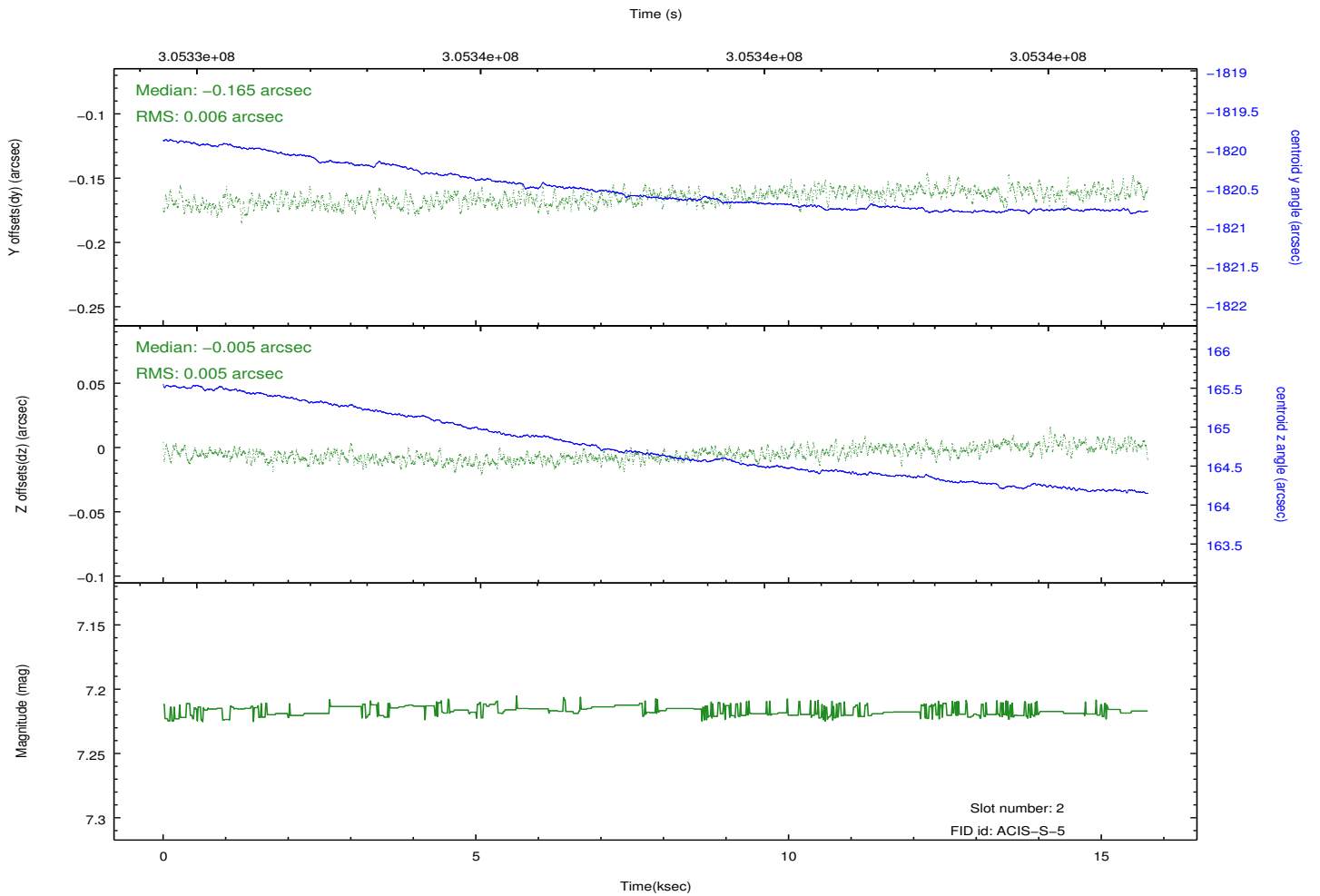
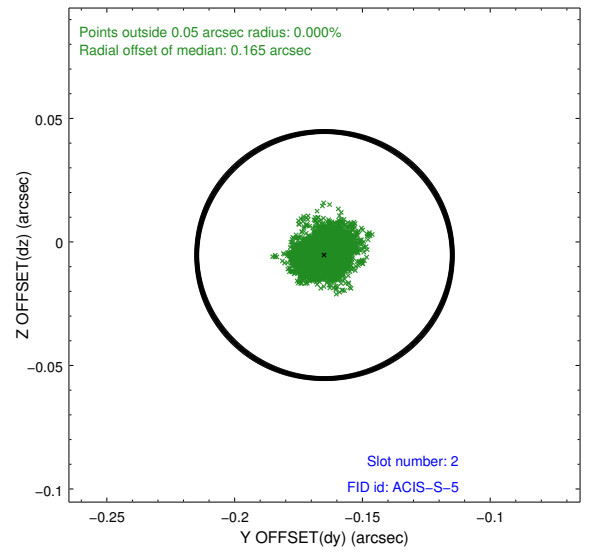
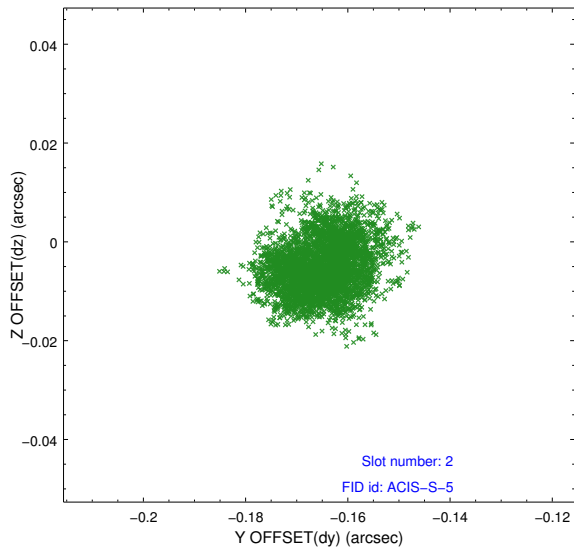
2.5.1 Slot 0



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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0431999

A.2 Comments