

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7814 - L2 Version 3
Chandra X-Ray Center

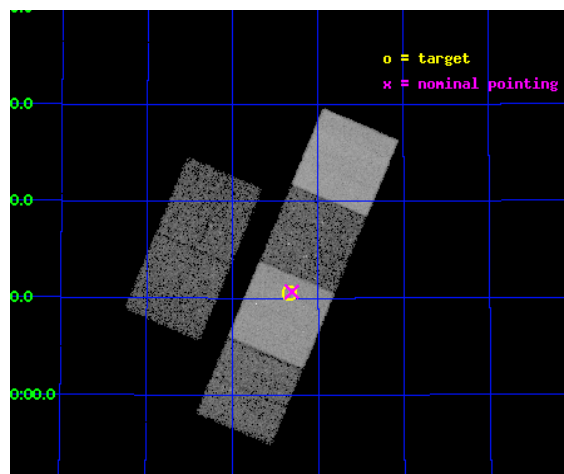
L2 Processing Date : Apr 22 2012

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

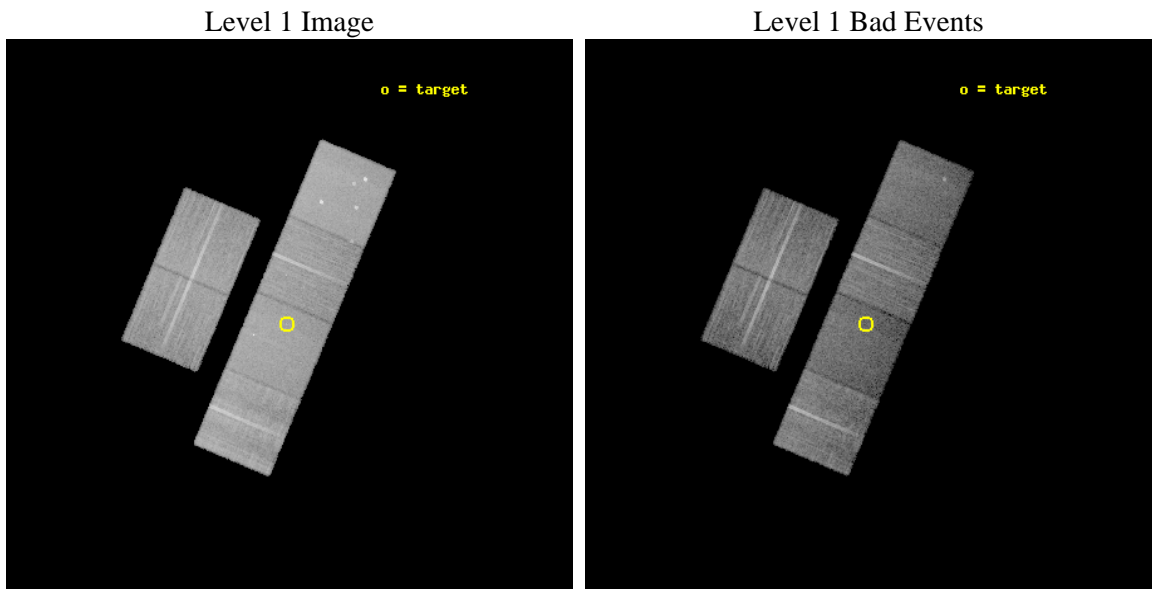
seq_num	701478	Sequence number
obs_id	7814	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	IRAS F17132+5313	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.583333	Observer's specified target RA [deg]
dec_targ	53.175	Observer's specified target Dec [deg]
ra_nom	258.57671903474	Nominal RA [deg]
dec_nom	53.177847772103	Nominal Dec [deg]
roll_nom	112.86966711825	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15043.198113263	Sum of GTIs [s]
livetime	14852.712080826	Livetime [s]
ontime2	15043.199944019	Sum of GTIs [s]
ontime3	15043.074993253	Sum of GTIs [s]
ontime5	15043.157073259	Sum of GTIs [s]
ontime6	15039.875043035	Sum of GTIs [s]
ontime7	15043.198113263	Sum of GTIs [s]
ontime8	15039.792972922	Sum of GTIs [s]
l2events	175369	Number of level 2 events



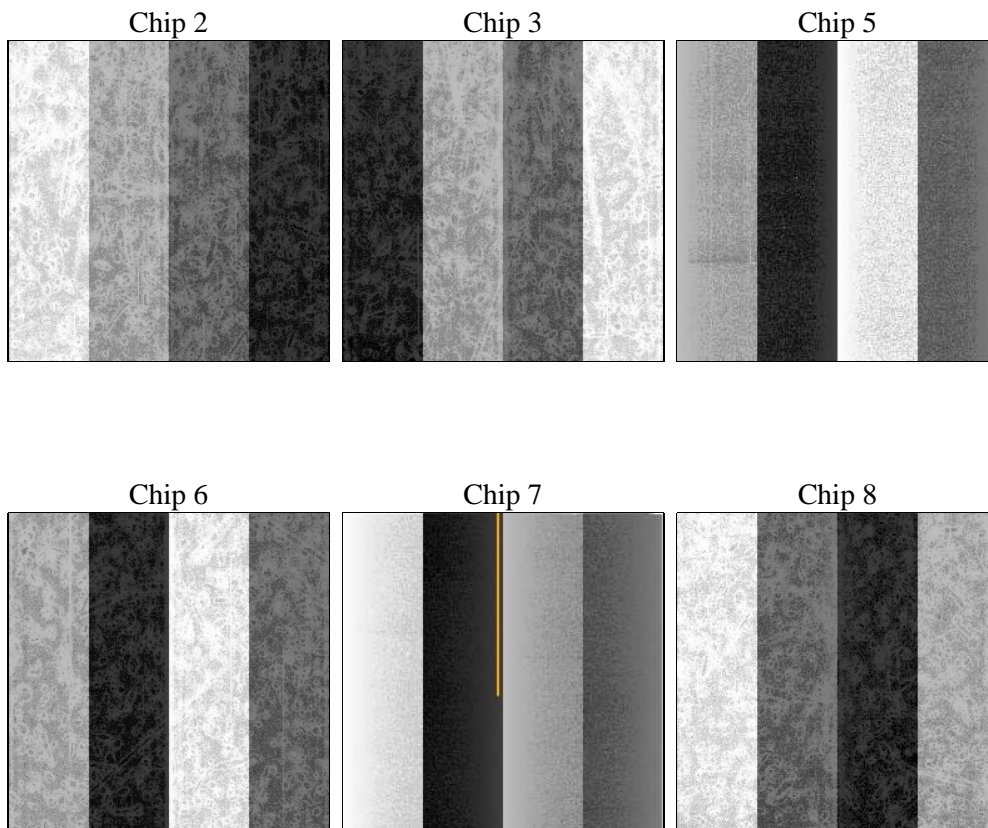
2 OBI

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	15043.198113263	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15043.199944019	Sum of GTIs [s]
date	2012-04-22T19:54:45	Date and time of file creation	ontime3	15043.074993253	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	15043.157073259	Sum of GTIs [s]
			ontime6	15039.875043035	Sum of GTIs [s]
			ontime7	15043.198113263	Sum of GTIs [s]
			ontime8	15039.792972922	Sum of GTIs [s]
			l1events	793147	Number of level 1 events

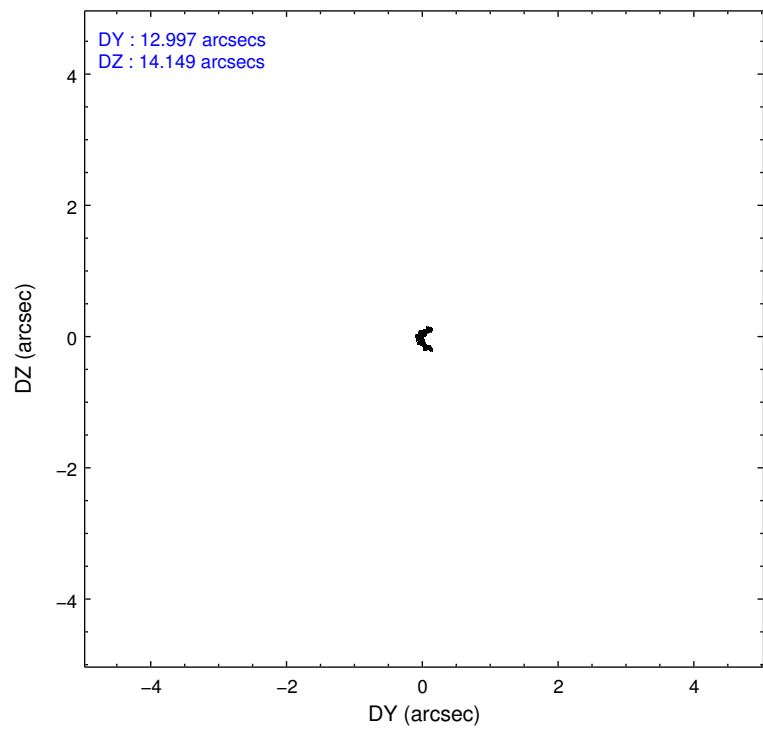
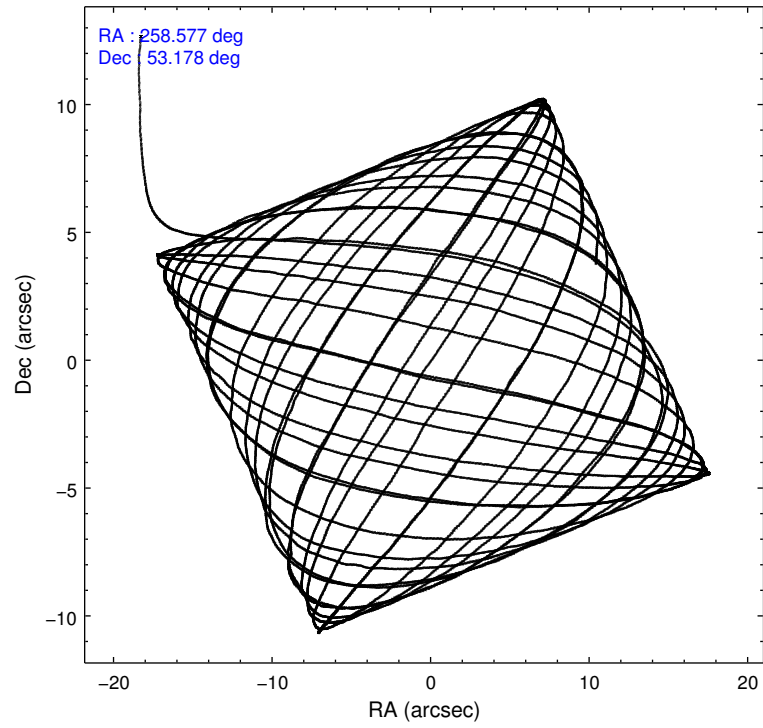
2.1.4 Events

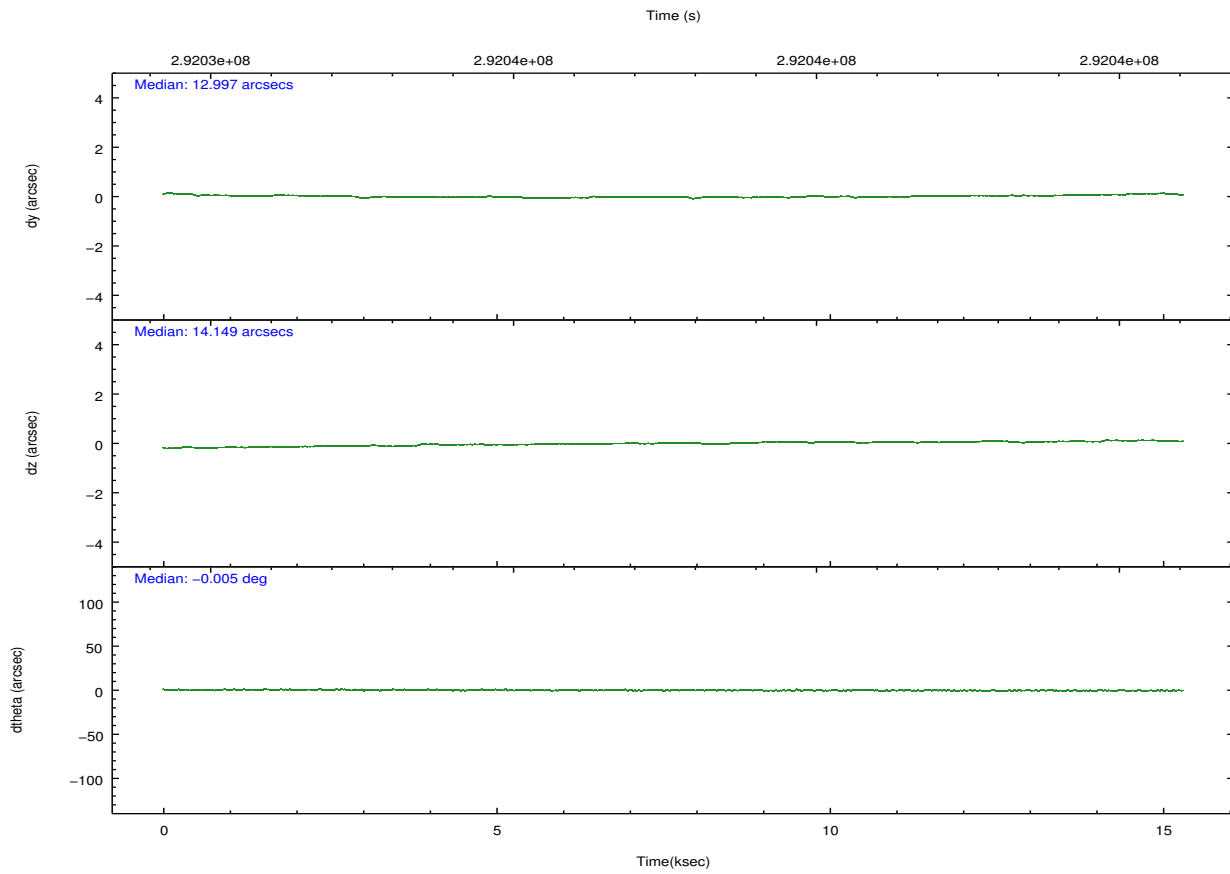
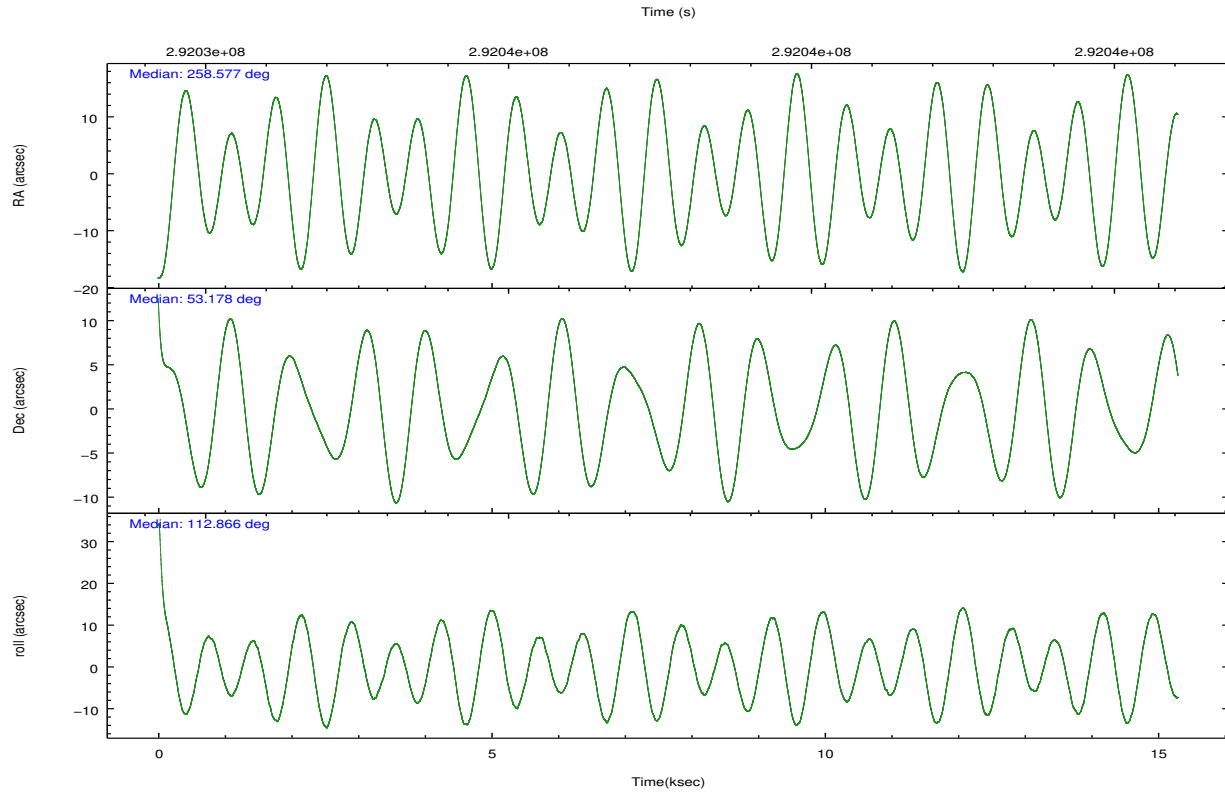
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	123122	111998	161927	117783	130168	148149	grade 0 events	4025	3457	10198	4451	6084	11013
rejected events	111745	101527	80056	105425	69757	111082		3%	3%	6%	3%	4%	7%
rejected %	90%	90%	49%	89%	53%	74%	grade 1 events	65	57	603	61	176	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	2813	2363	23658	2725	12195	8610
								2%	2%	14%	2%	9%	5%
							grade 3 events	1231	1294	3403	1339	5601	4015
								0%	1%	2%	1%	4%	2%
							grade 4 events	1235	1246	3230	1314	5547	3634
								1%	1%	1%	1%	4%	2%
							grade 5 events	3880	4475	12778	4684	13699	6878
								3%	3%	7%	3%	10%	4%
							grade 6 events	2076	2115	41406	2533	30994	9804
								1%	1%	25%	2%	23%	6%
							grade 7 events	107797	96991	66651	100676	55872	104058
								87%	86%	41%	85%	42%	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	258.613483	258.5767190347426	CCD I2 on	O1	Y
[deg] Pointing Dec	53.161605	53.17784777210322	CCD I3 on	O2	Y
[deg] Pointing Roll	112.683594	112.8696671182527	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)	292030273.184000	292029208.68659	CCD S5 on	N	N
Observation start date	2007-04-03T23:30:08	2007-04-03T23:13:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	292045273.184000	292046947.33743	On-chip summing requested	N	N
Observation end date	2007-04-04T03:40:08	2007-04-04T04:09:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





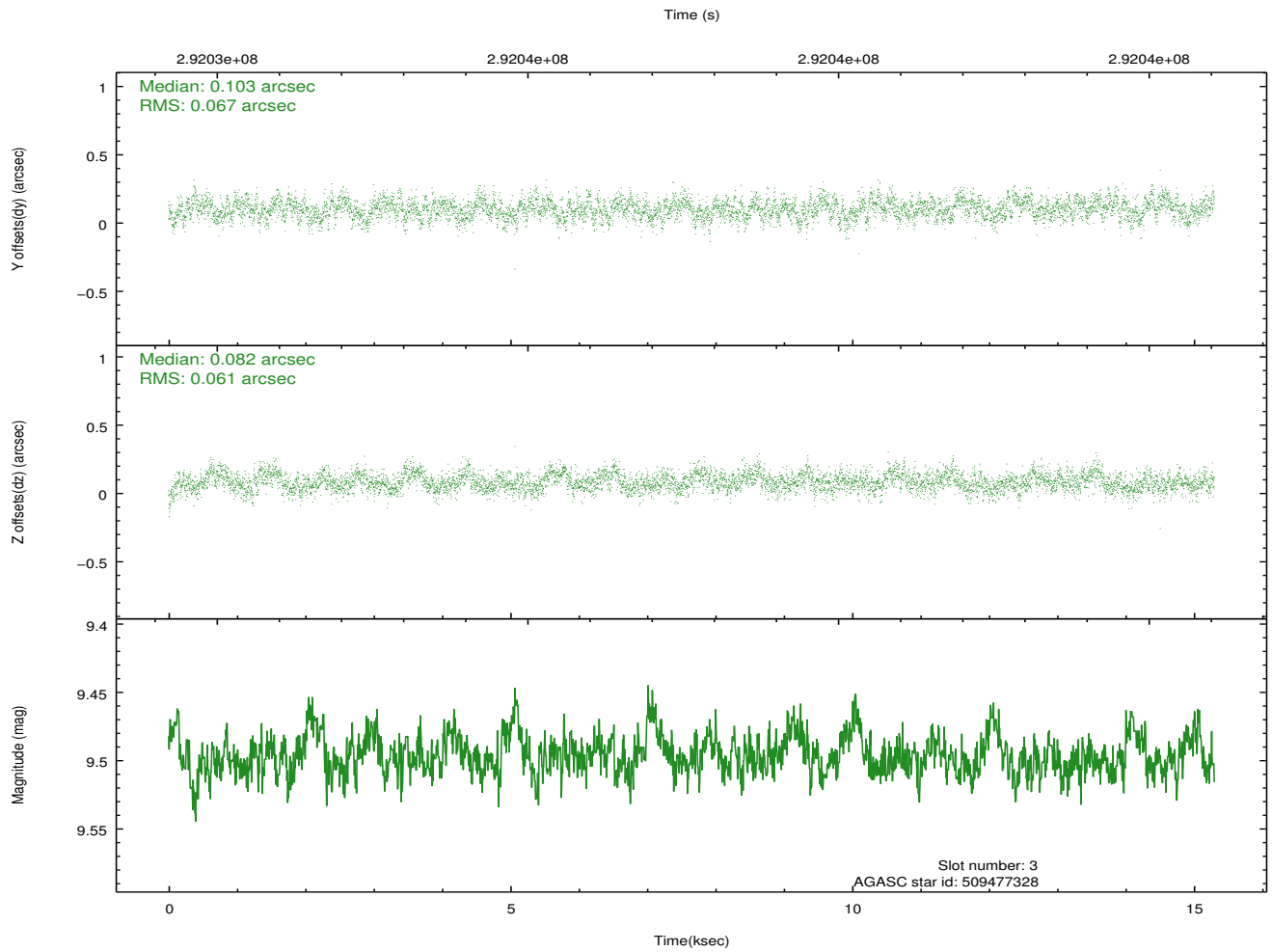
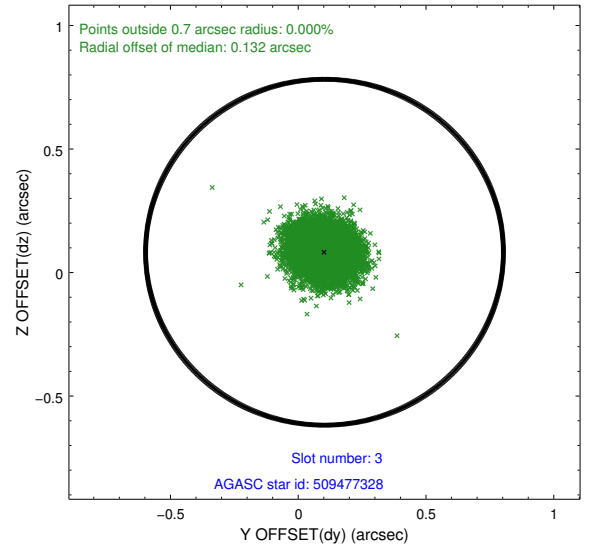
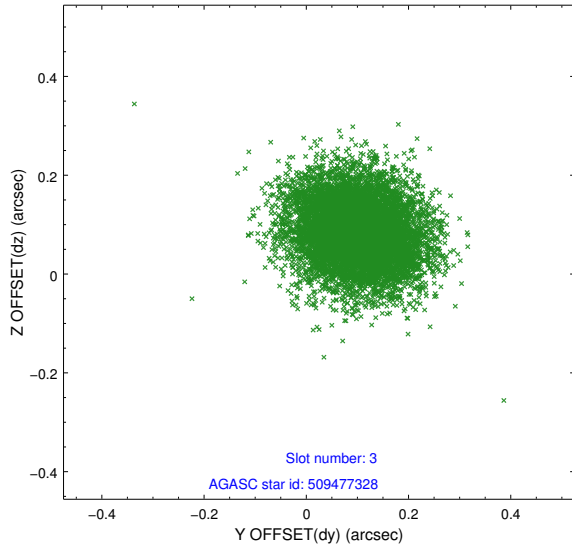
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	3732	0.055	-0.021	0.007	0.012	0.000000	0.000000	930.16	-1731.14
1	FID	ACIS-S-4	7.19	3732	0.129	-0.007	0.007	0.012	0.000000	0.000000	2147.80	172.73
2	FID	ACIS-S-5	7.23	3732	-0.211	0.041	0.006	0.012	0.000000	0.000000	-1818.60	166.69
3	GUIDE	509477328	9.50	7452	0.103	0.082	0.096	0.155	258.858246	53.646451	1410.20	-1154.82
4	GUIDE	509482104	8.24	7463	-0.256	0.069	0.057	0.091	259.223109	53.388584	254.53	-1524.54
5	GUIDE	509484496	8.41	7458	0.060	-0.001	0.064	0.103	258.700499	53.613330	1429.06	-798.42
6	GUIDE	509485872	9.32	7460	0.154	-0.204	0.093	0.152	258.530832	52.611990	-1755.41	929.32
7	GUIDE	509486056	7.39	7463	-0.060	0.053	0.057	0.088	259.150007	52.784484	-1699.17	-555.49

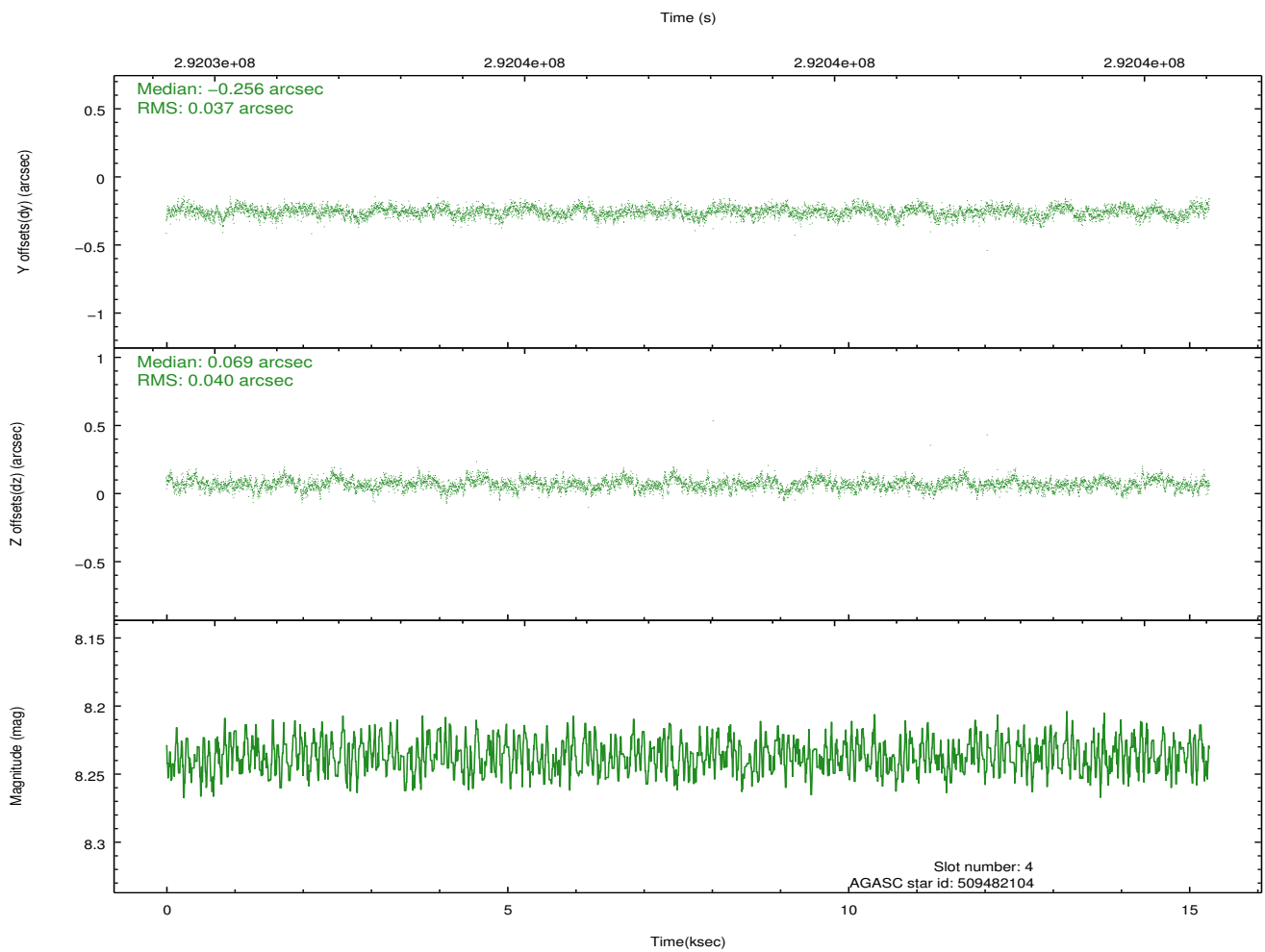
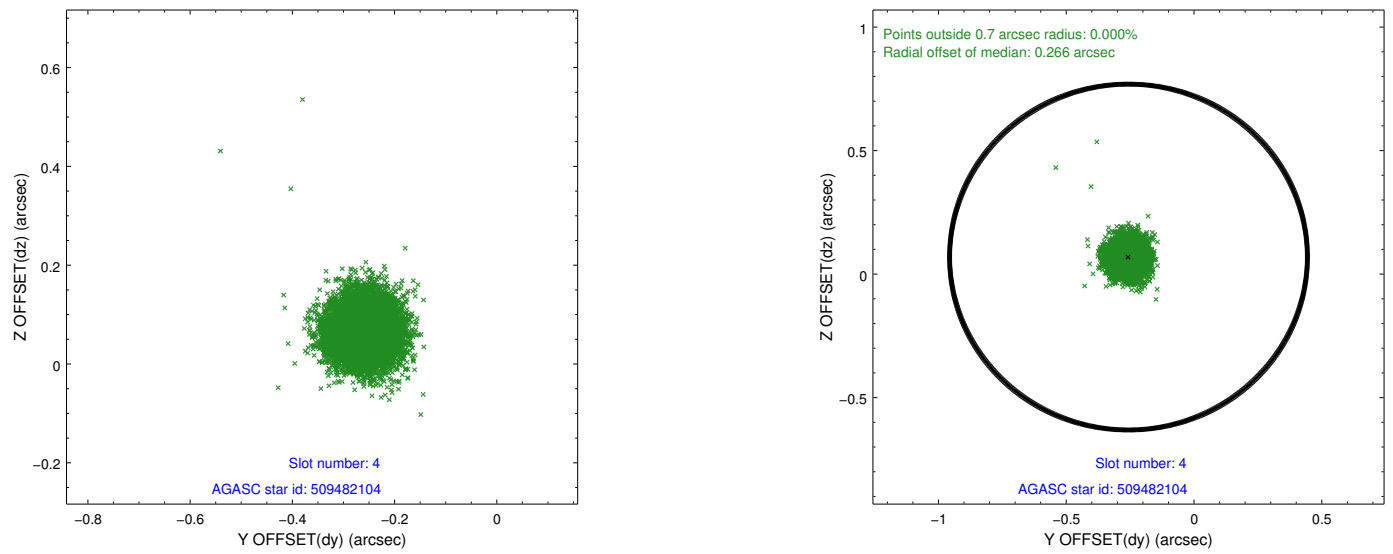
∞

2.4 Star Slots

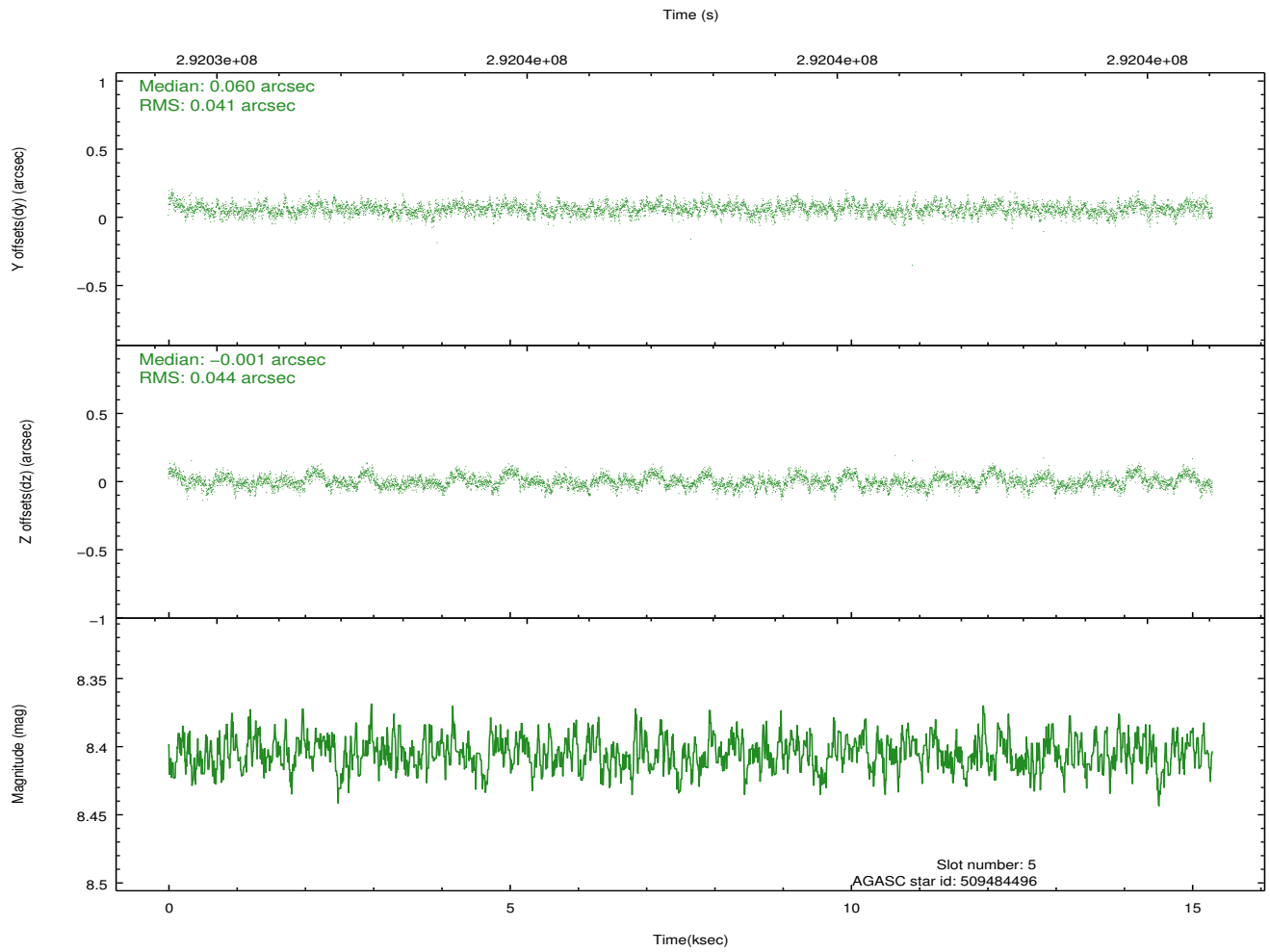
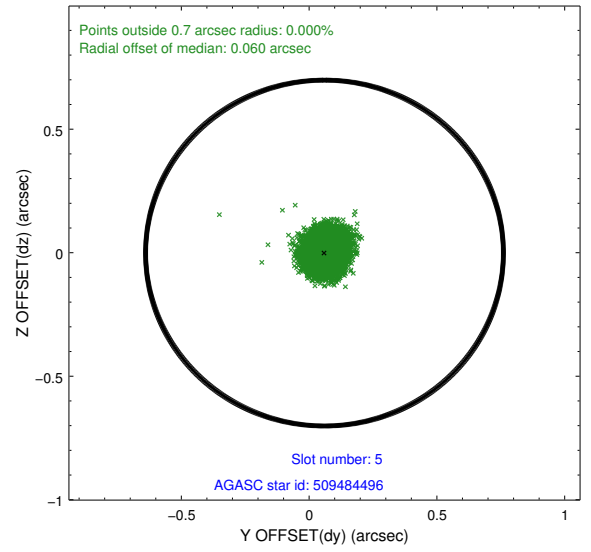
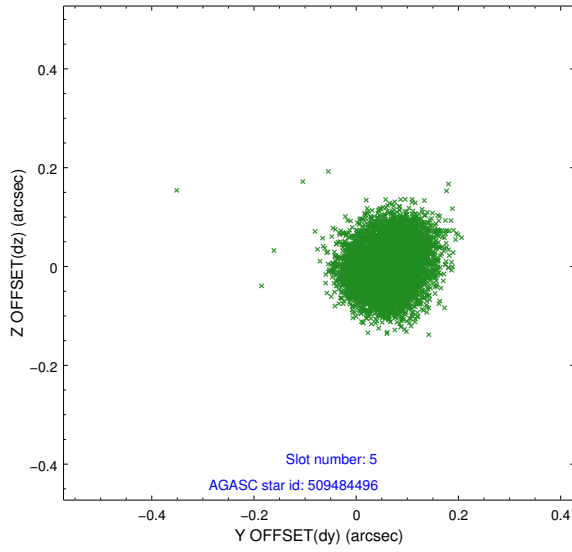
2.4.1 Slot 3



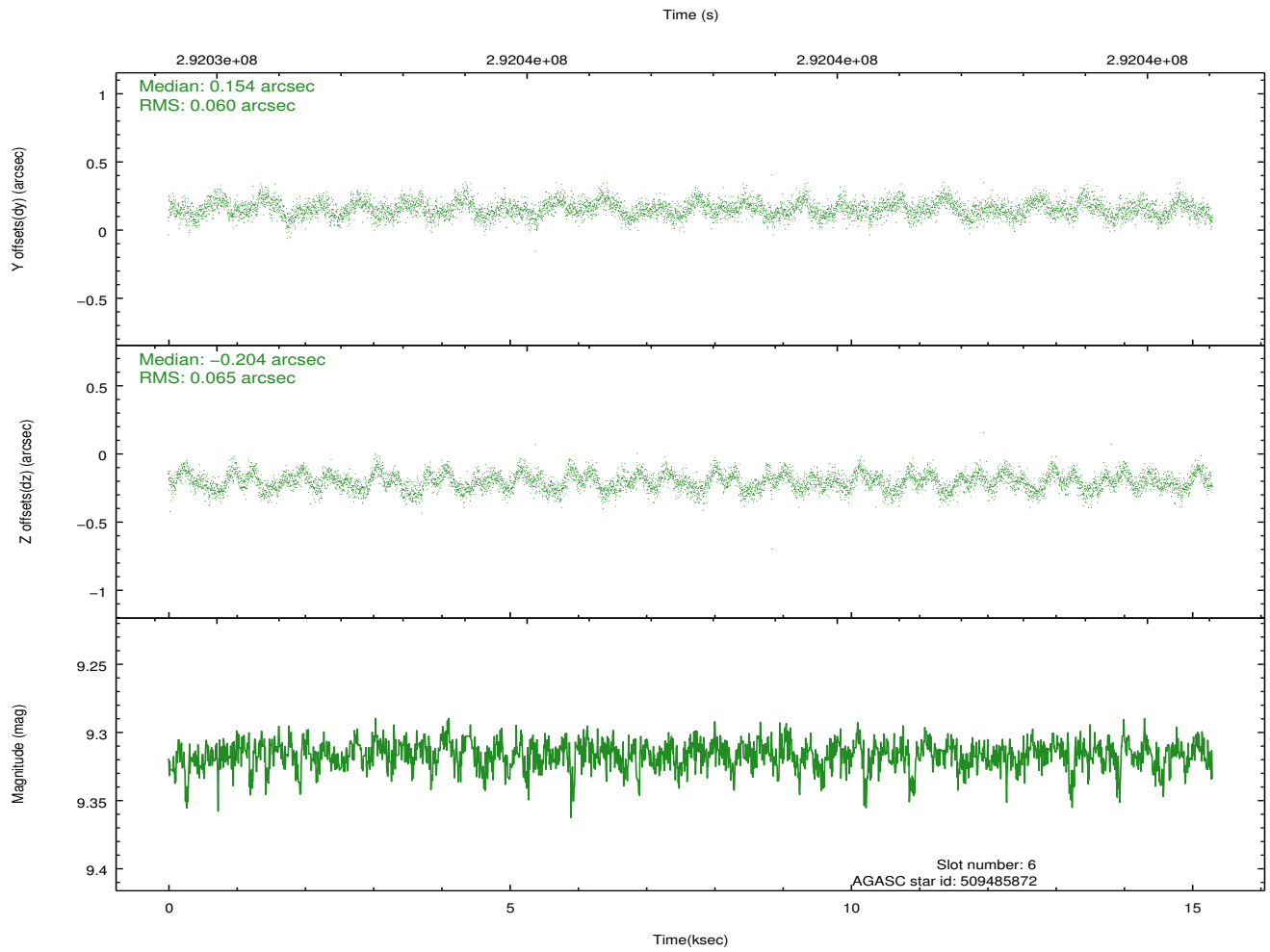
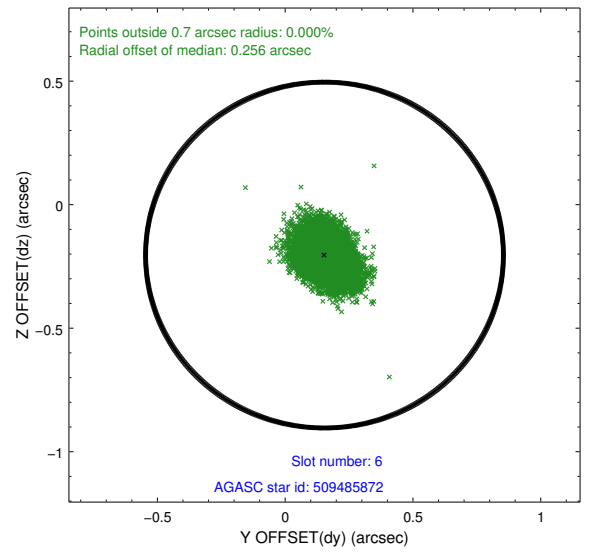
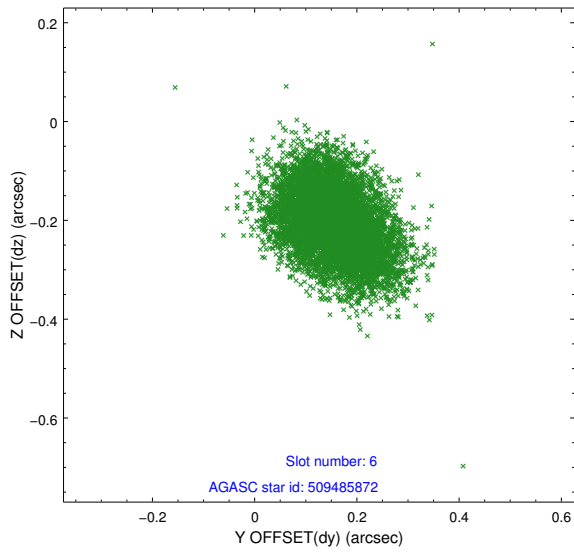
2.4.2 Slot 4



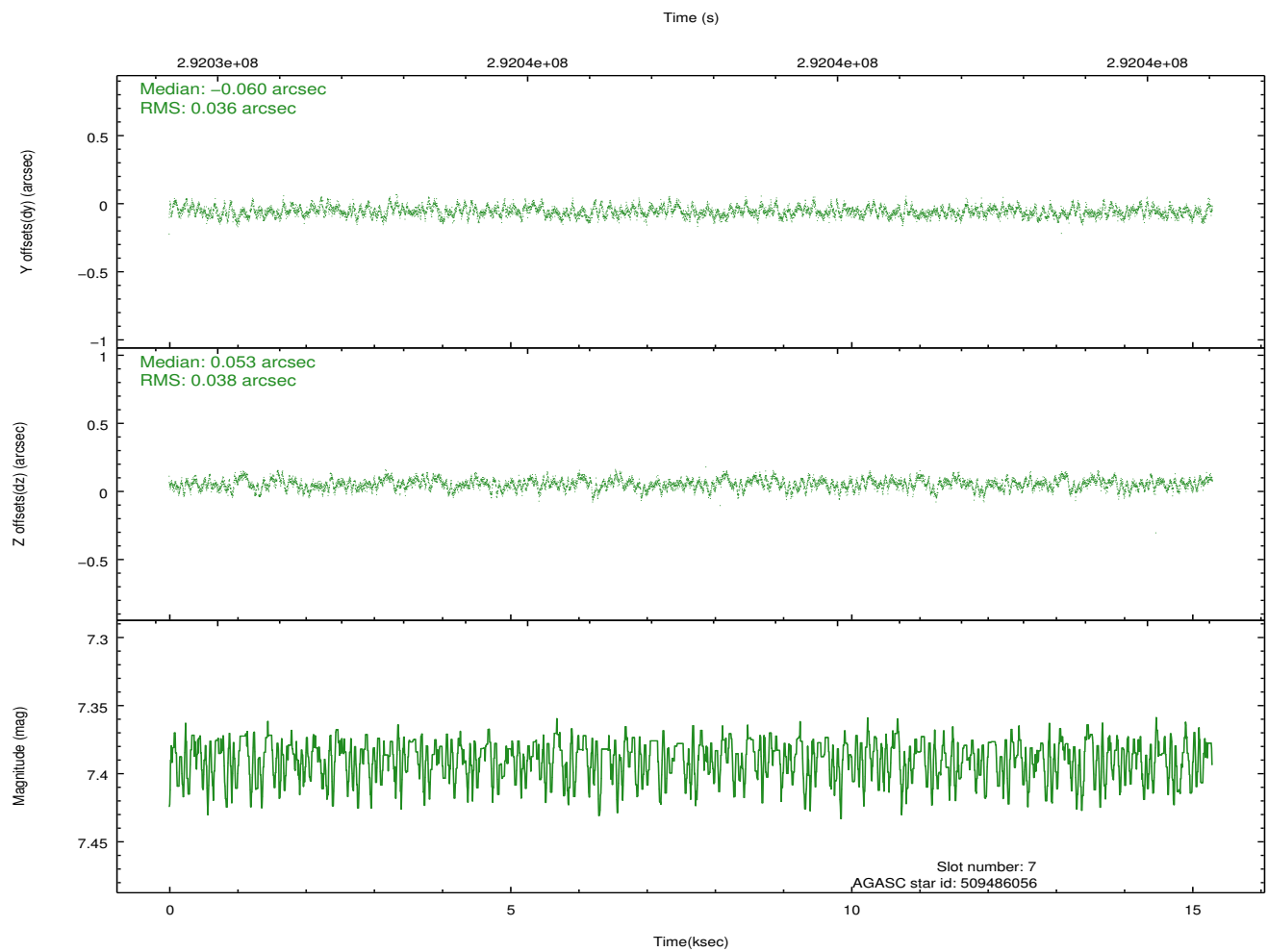
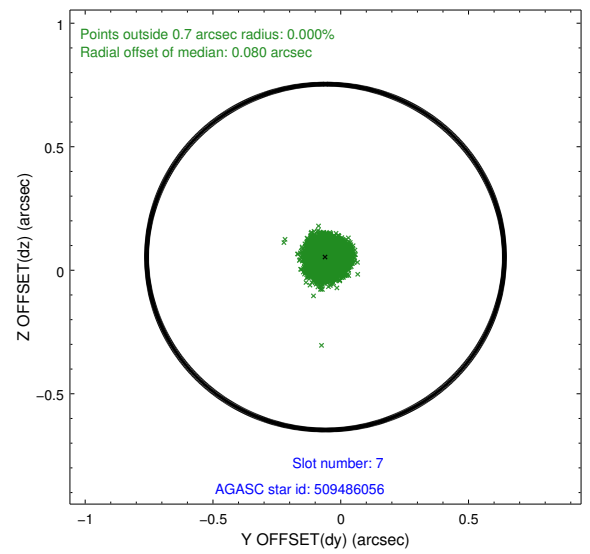
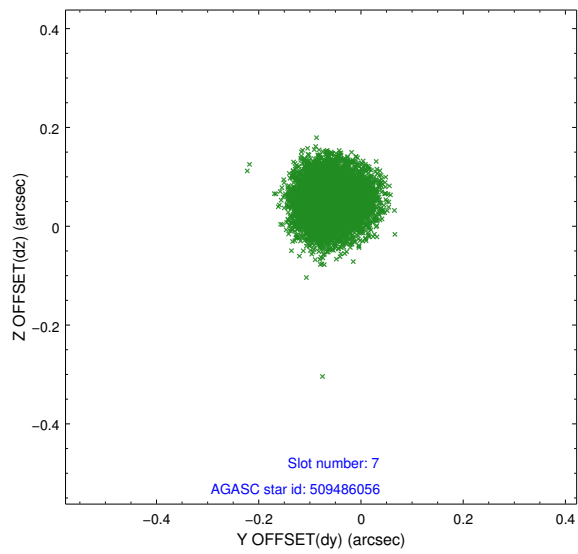
2.4.3 Slot 5



2.4.4 Slot 6

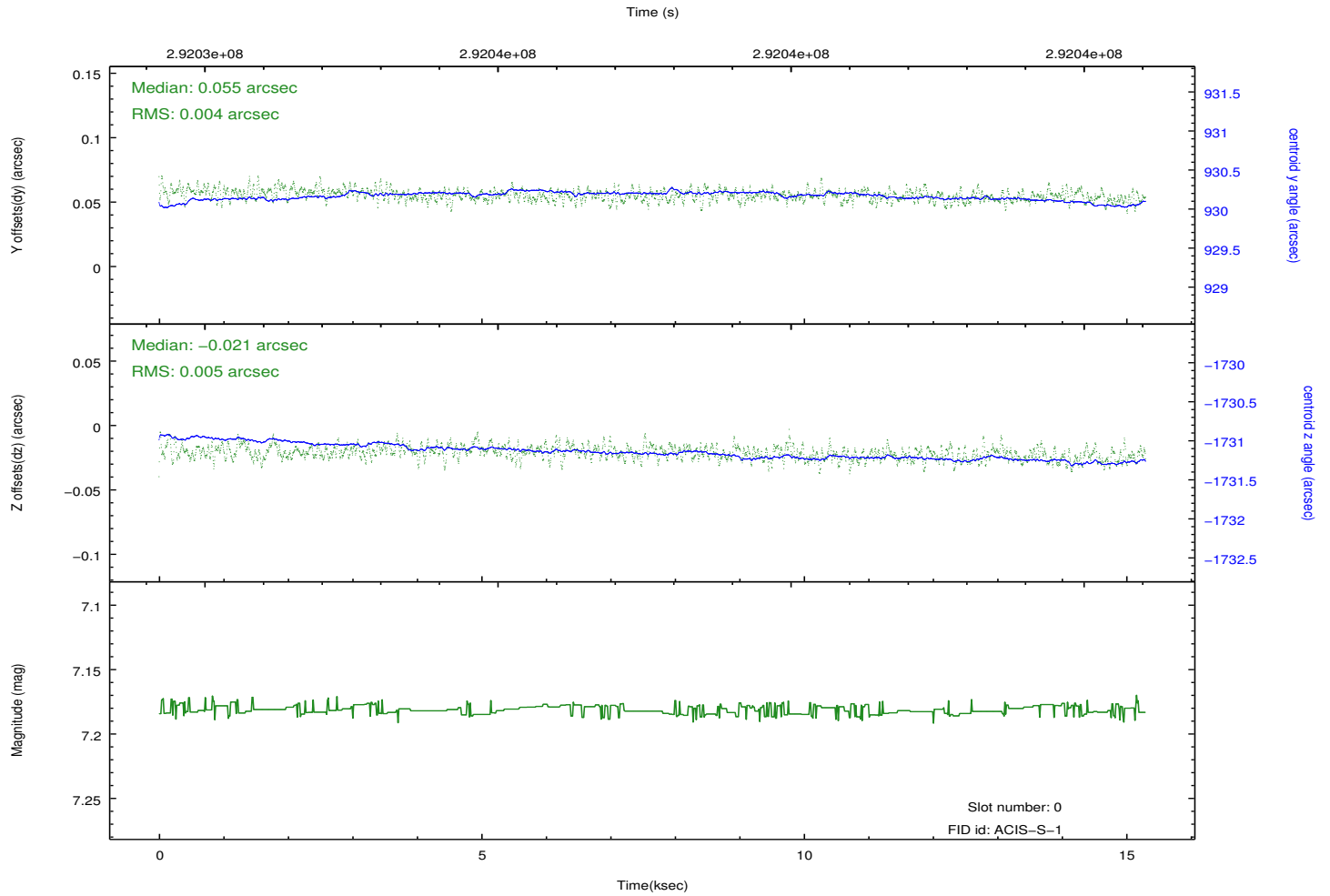
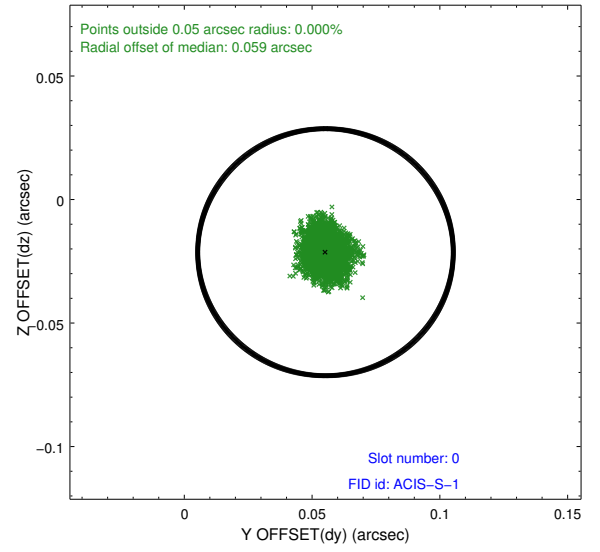
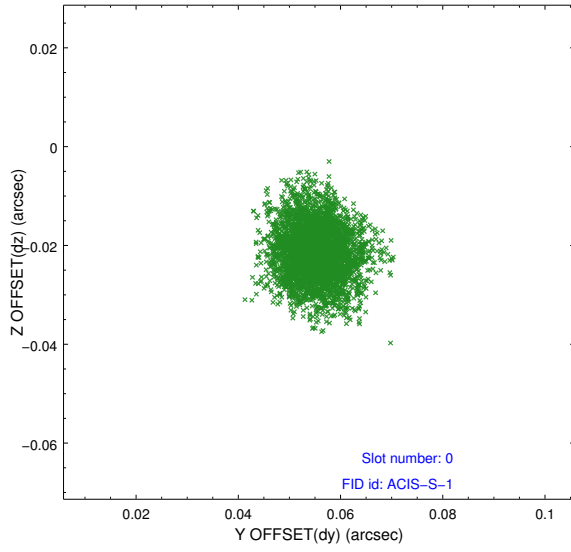


2.4.5 Slot 7

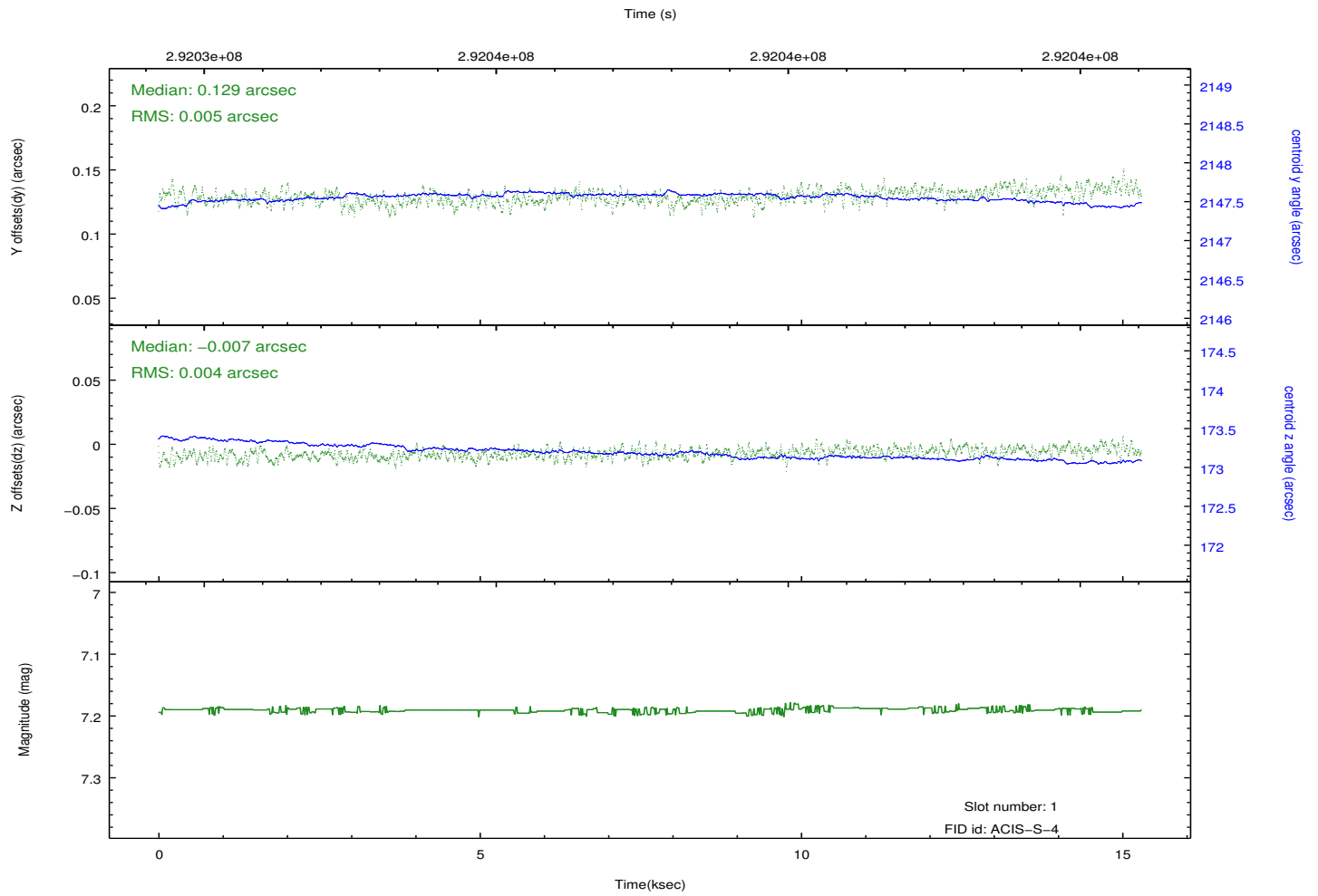
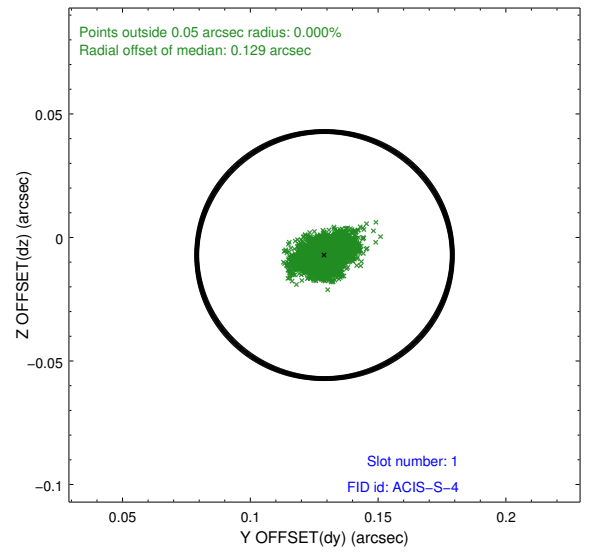
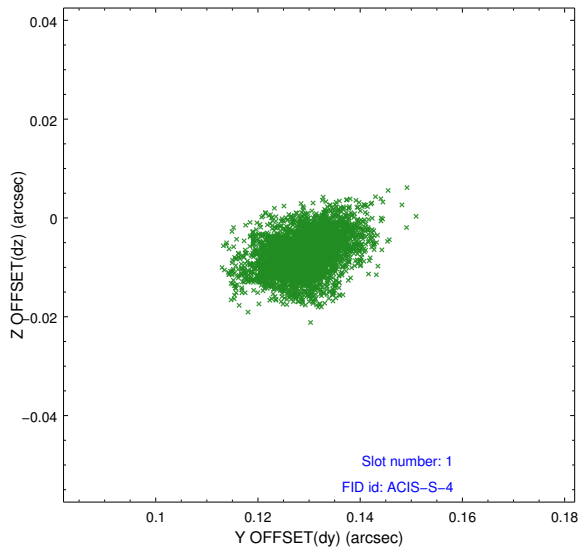


2.5 FID Slots

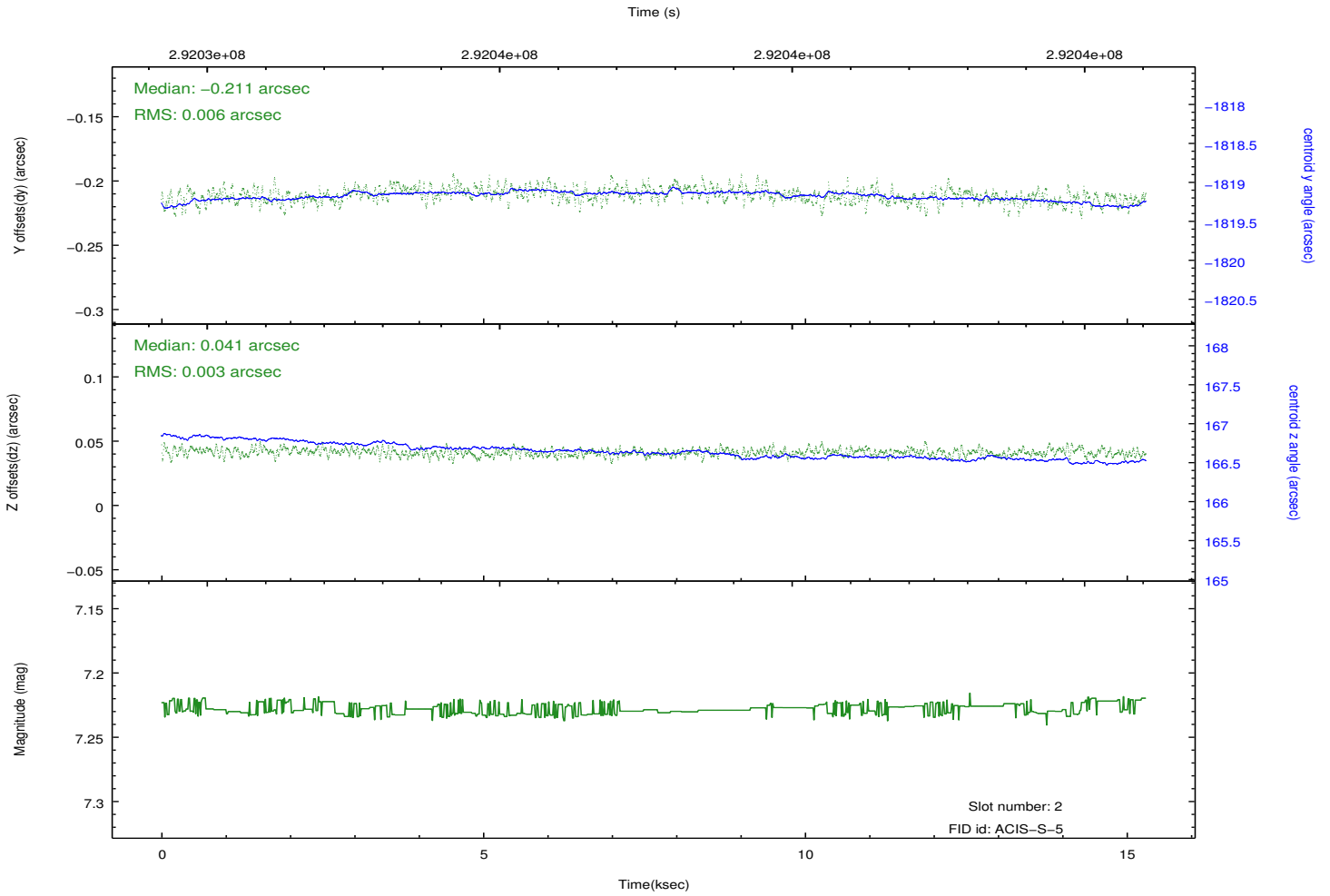
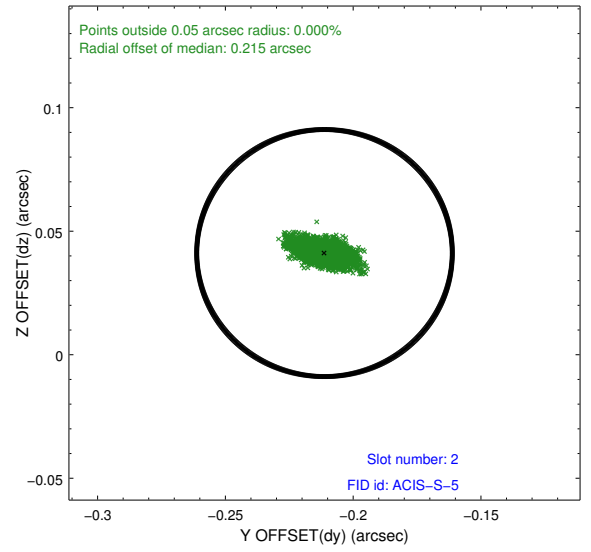
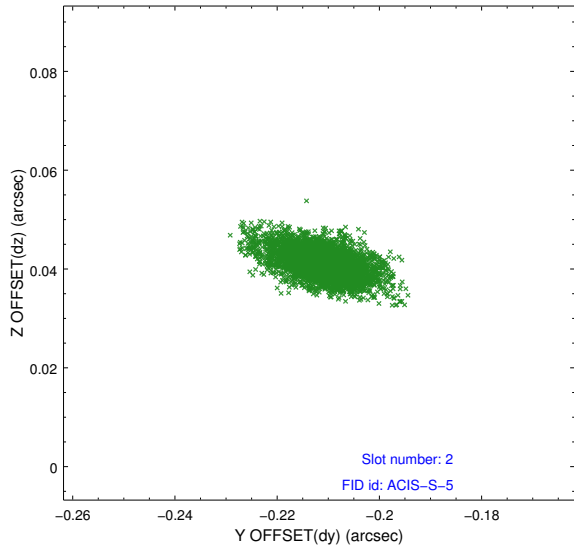
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0431999

A.2 Comments

Source is extended, but position of the pixel with the largest number of counts is ra=17:14:20.52, dec=+53:10:30.85.