

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7097 - L2 Version 2
Chandra X-Ray Center

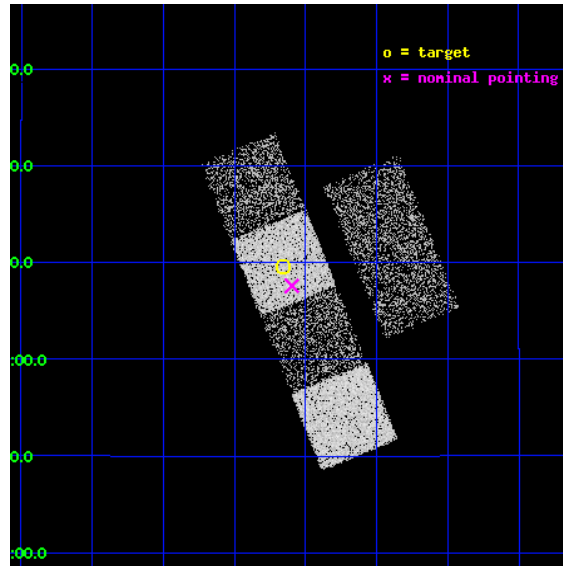
L2 Processing Date : Apr 4 2012

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

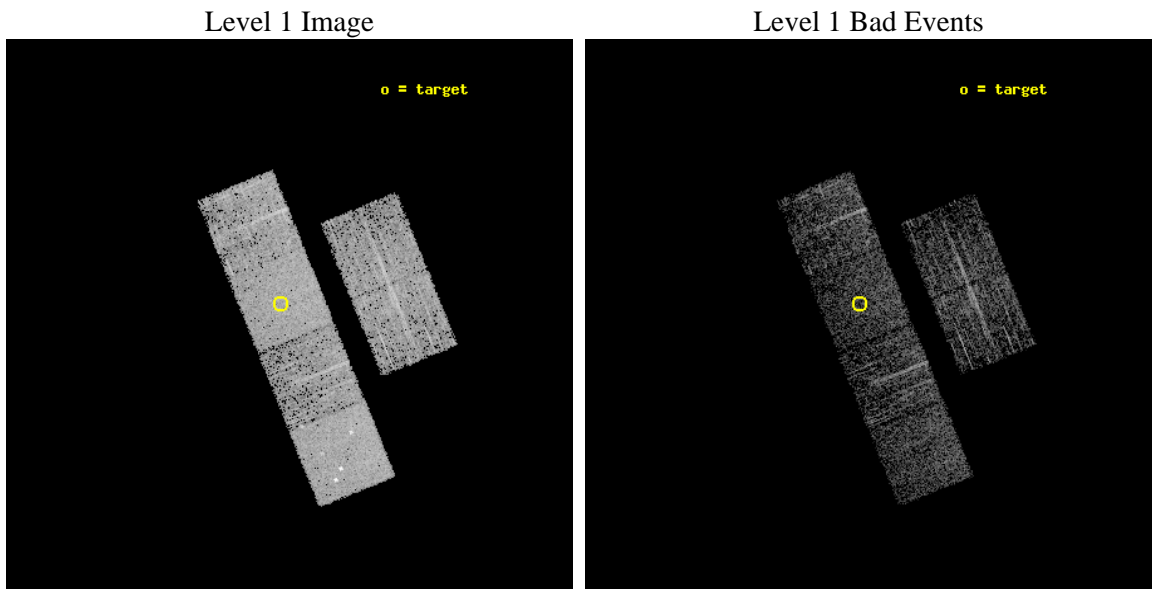
seq_num	600535	Sequence number
obs_id	7097	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	IC 3521	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.664583	Observer's specified target RA [deg]
dec_targ	7.160306	Observer's specified target Dec [deg]
ra_nom	188.64883203259	Nominal RA [deg]
dec_nom	7.1263532163642	Nominal Dec [deg]
roll_nom	247.939582796	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1951.1541227102	Sum of GTIs [s]
livetime	1926.4474343645	Livetime [s]
ontime2	1951.1951627135	Sum of GTIs [s]
ontime3	1951.0310027003	Sum of GTIs [s]
ontime5	1951.1130827069	Sum of GTIs [s]
ontime6	1951.0720427036	Sum of GTIs [s]
ontime7	1951.1541227102	Sum of GTIs [s]
ontime8	1950.9899627268	Sum of GTIs [s]
l2events	29624	Number of level 2 events



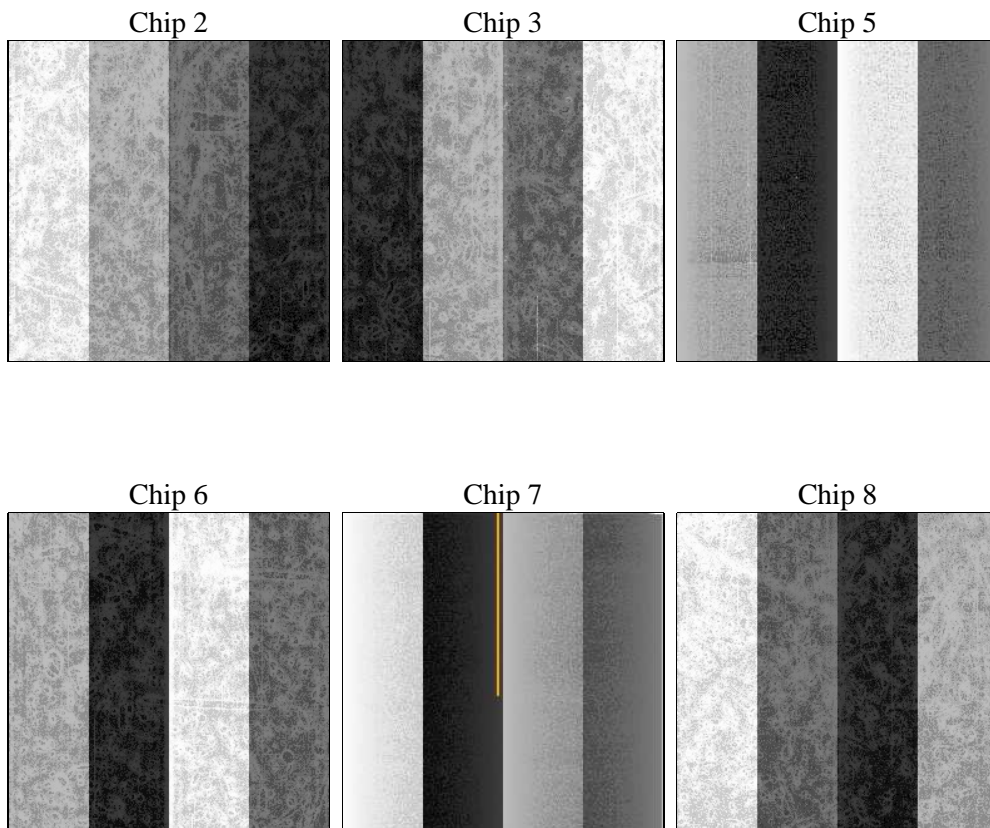
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1951.1541227102	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1951.1951627135	Sum of GTIs [s]
date	2012-04-04T19:42:05	Date and time of file creation	ontime3	1951.0310027003	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1951.1130827069	Sum of GTIs [s]
			ontime6	1951.0720427036	Sum of GTIs [s]
			ontime7	1951.1541227102	Sum of GTIs [s]
			ontime8	1950.9899627268	Sum of GTIs [s]
			l1events	127850	Number of level 1 events

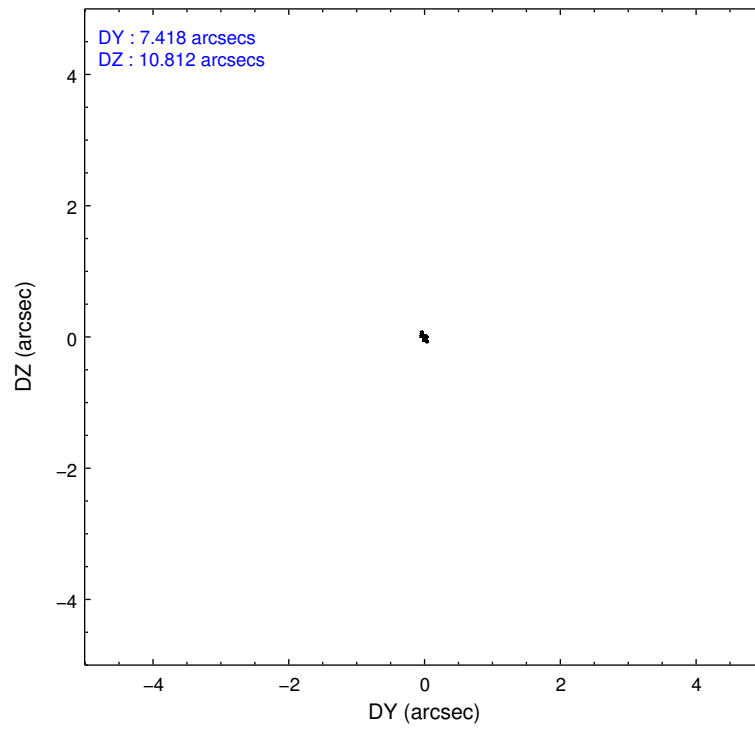
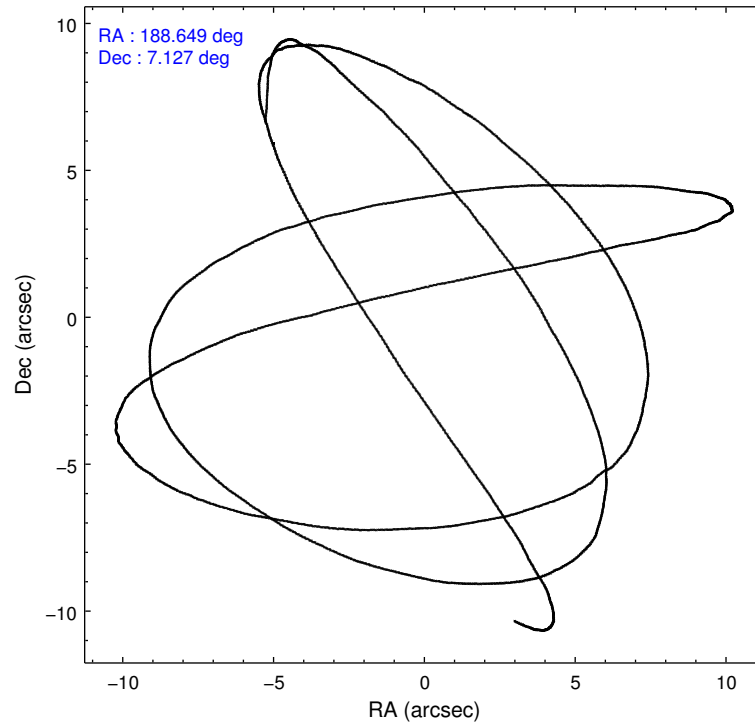
2.1.4 Events

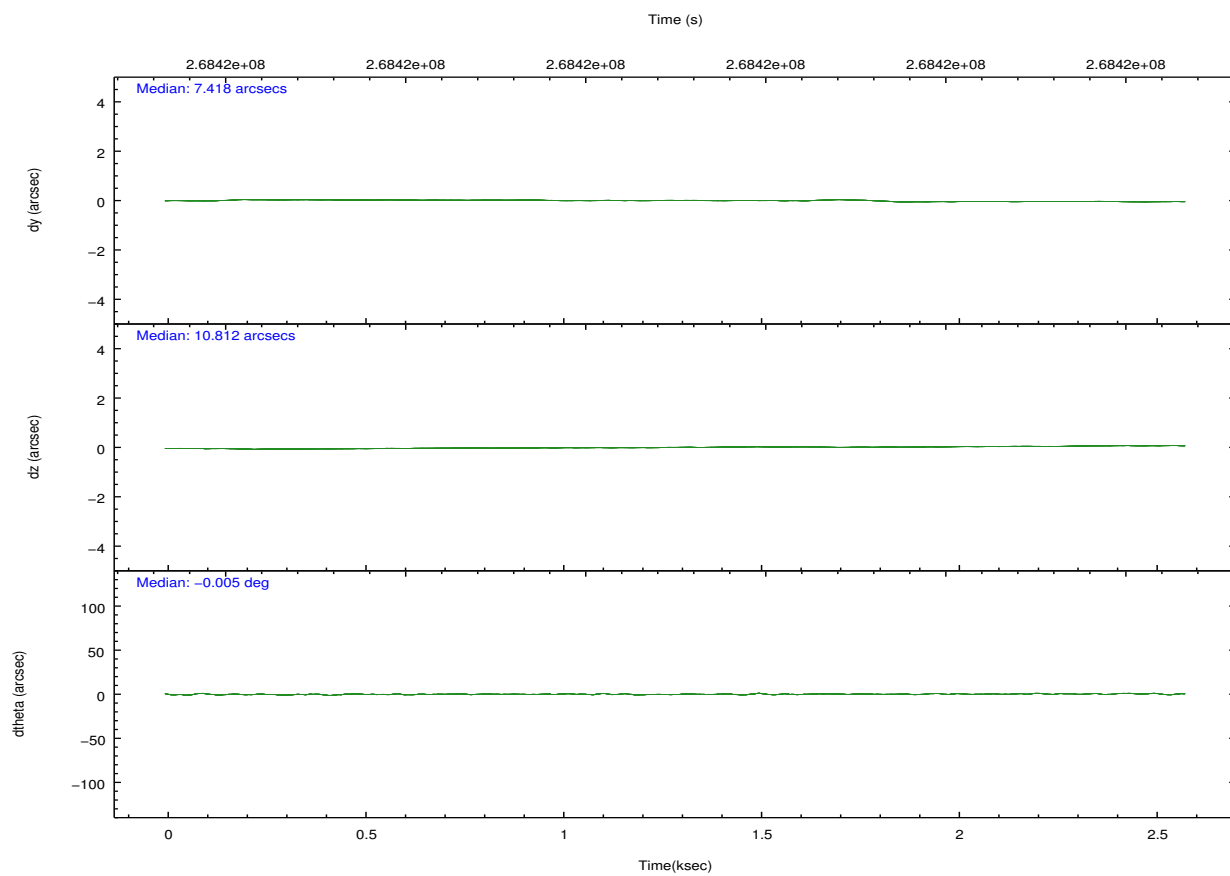
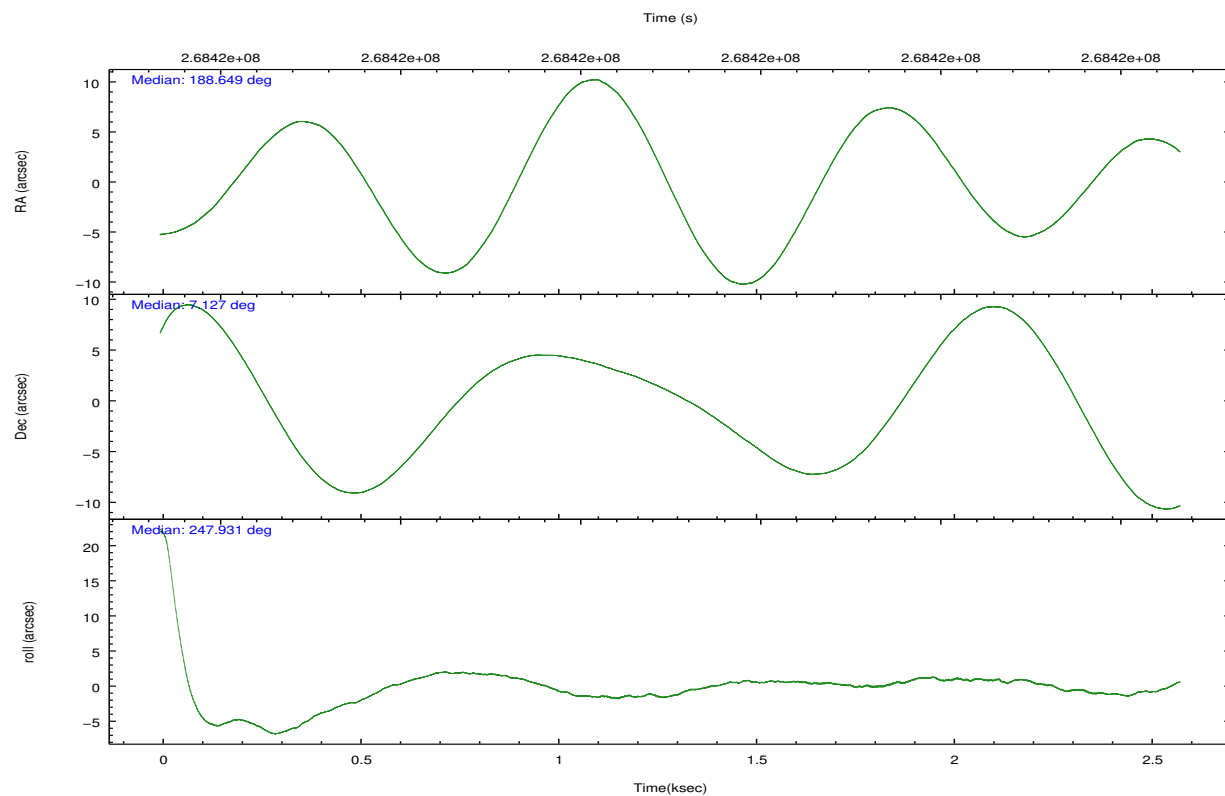
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19148	16842	28228	17213	24474	21945	grade 0 events	966	946	1949	842	987	1729
rejected events	16980	14759	14501	15092	14046	16894		5%	5%	6%	4%	4%	7%
rejected %	88%	87%	51%	87%	57%	76%	grade 1 events	26	16	54	14	24	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	455	359	4194	441	2018	1062
								2%	2%	14%	2%	8%	4%
							grade 3 events	190	199	528	208	934	544
								0%	1%	1%	1%	3%	2%
							grade 4 events	180	194	478	203	889	504
								0%	1%	1%	1%	3%	2%
							grade 5 events	658	813	2050	820	2305	1084
								3%	4%	7%	4%	9%	4%
							grade 6 events	379	387	6626	435	5632	1219
								1%	2%	23%	2%	23%	5%
							grade 7 events	16294	13928	12349	14250	11685	15785
								85%	82%	43%	82%	47%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	188.644627	188.6488320325898	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.153272	7.126353216364166	Alternating exposures requested	N	N
[deg] Pointing Roll	247.783358	247.9395827960045	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	268421531.184000	268420318.5091			
Observation start date	2006-07-04T17:31:06	2006-07-04T17:11:58			
[s] Observation end time (MET)	268423531.184000	268423764.55926			
Observation end date	2006-07-04T18:04:26	2006-07-04T18:09:24			
Read mode	TIMED	TIMED			

2.3 Aspect



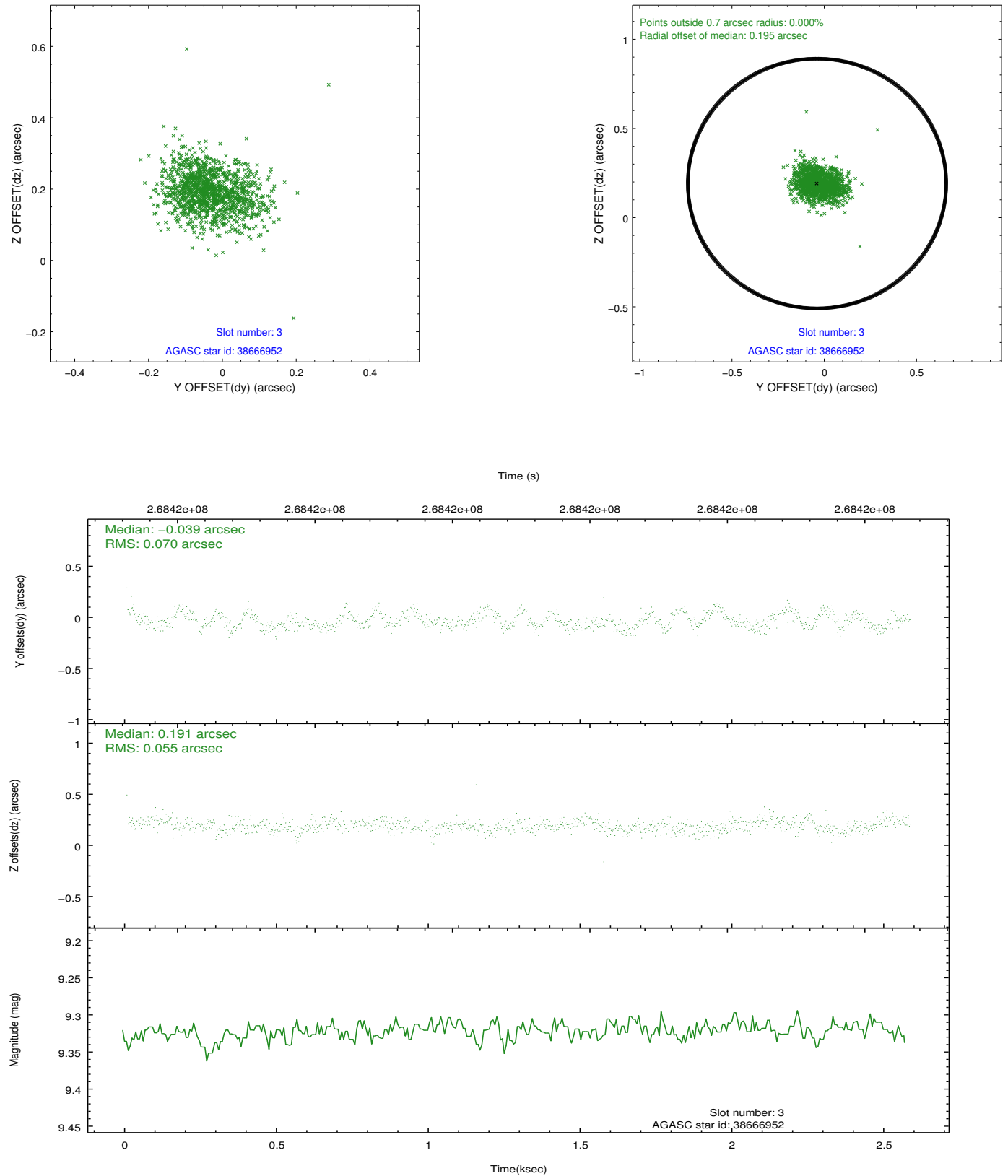


Slot Statistics

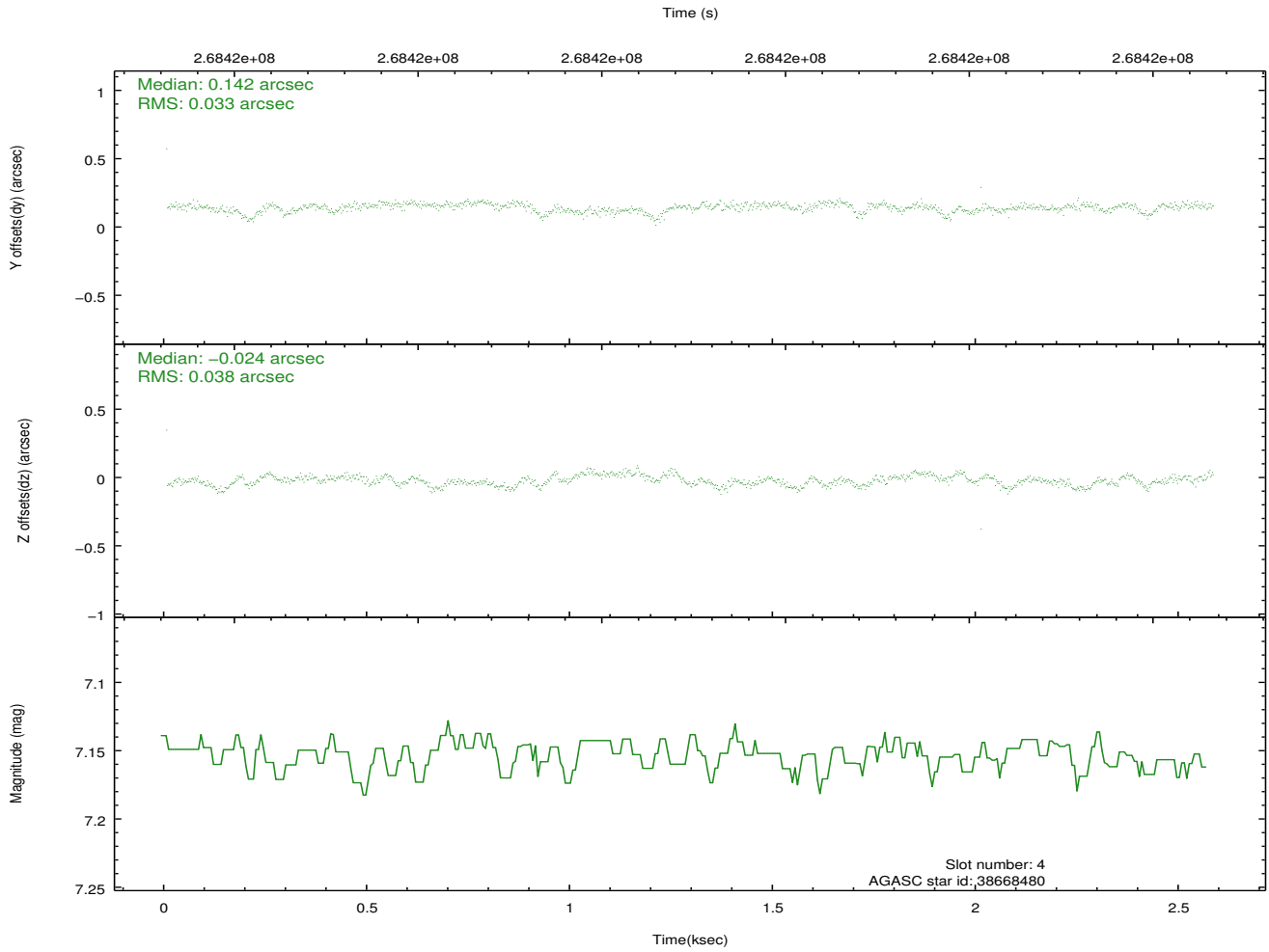
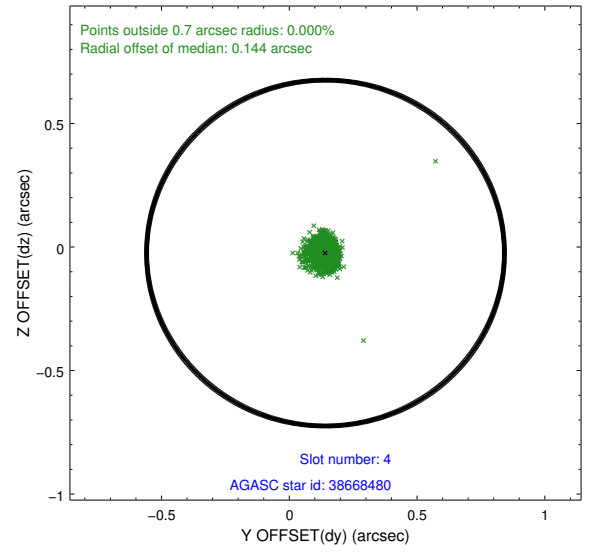
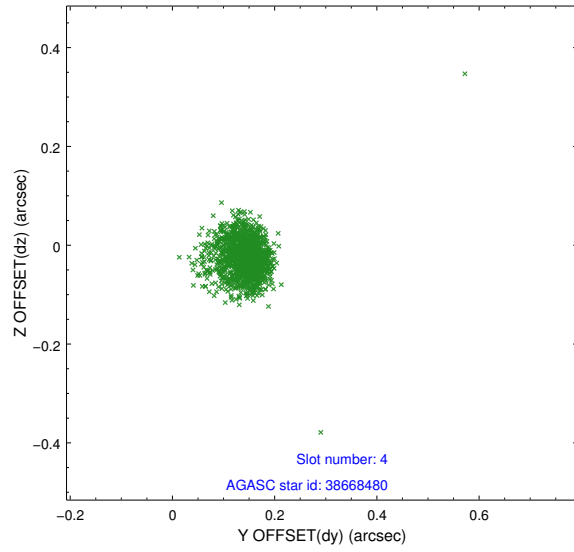
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	629	-0.050	-0.020	0.006	0.011	0.000000	0.000000	-760.19	-1732.11
1	FID	ACIS-S-4	7.22	629	0.102	0.030	0.005	0.011	0.000000	0.000000	2152.06	173.89
2	FID	ACIS-S-5	7.24	629	-0.083	-0.001	0.006	0.011	0.000000	0.000000	-1809.88	170.30
3	GUIDE	38666952	9.32	1258	-0.039	0.191	0.093	0.153	189.411678	7.426614	-1948.63	2162.39
4	GUIDE	38668480	7.15	1259	0.142	-0.024	0.049	0.082	188.284505	7.250208	161.83	-1320.72
5	GUIDE	114563104	6.83	1259	0.017	-0.076	0.046	0.073	188.385813	7.679181	-1403.29	-1572.53
6	GUIDE	114564192	6.61	1259	-0.018	0.058	0.043	0.072	188.628226	7.734718	-1916.37	-846.37
7	GUIDE	114564248	7.42	1258	-0.105	-0.155	0.060	0.092	188.352467	7.946007	-2249.09	-2044.62

2.4 Star Slots

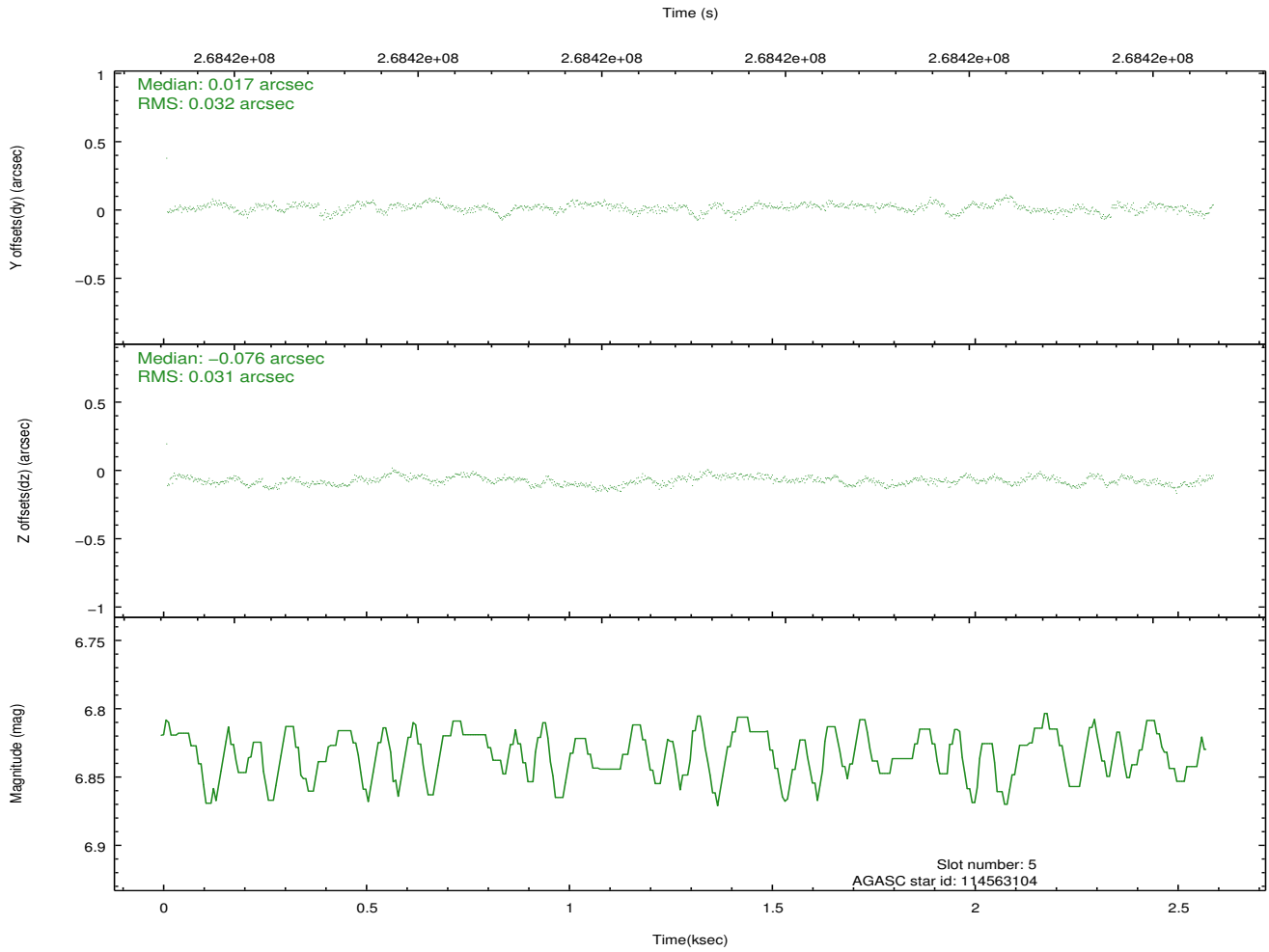
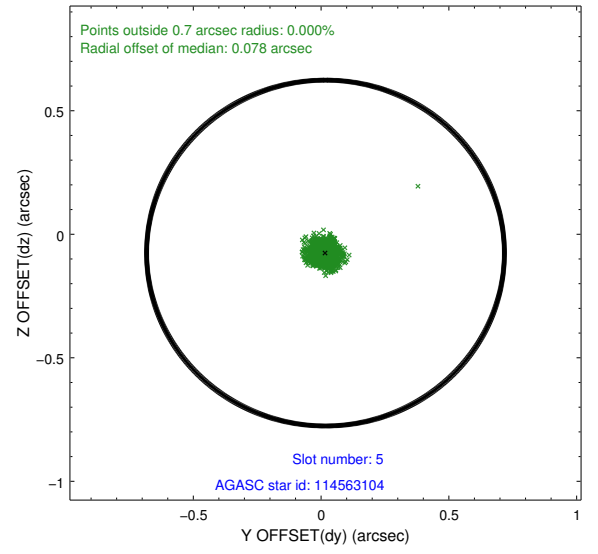
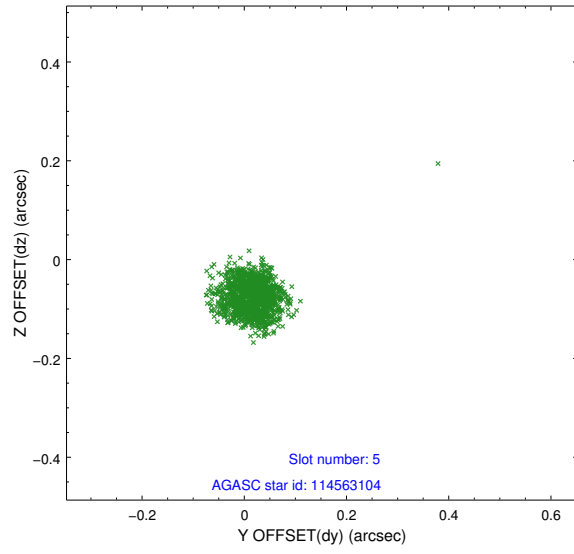
2.4.1 Slot 3



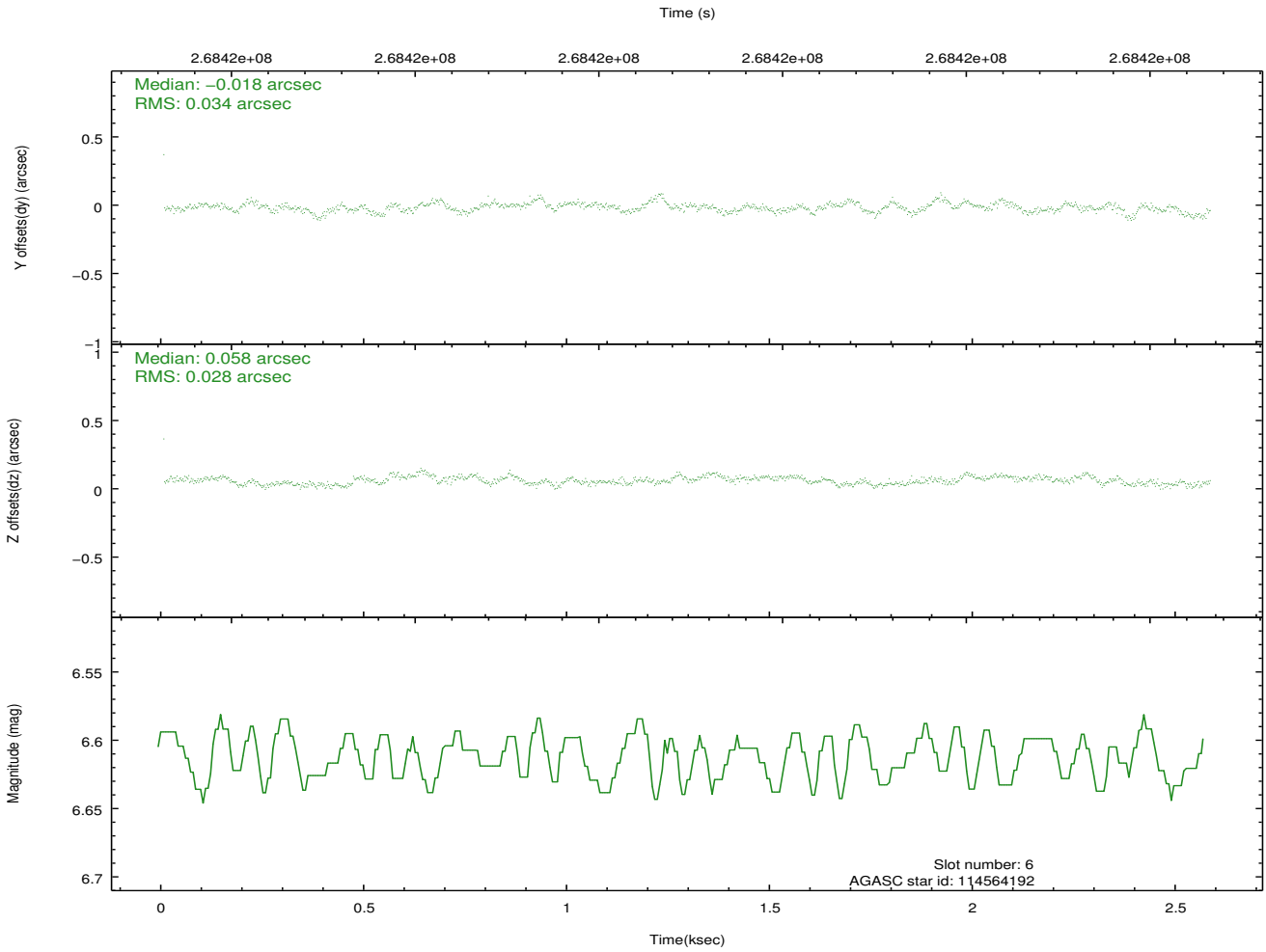
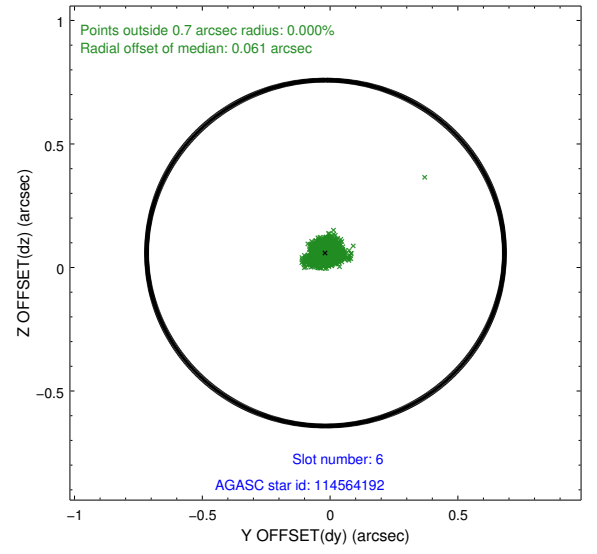
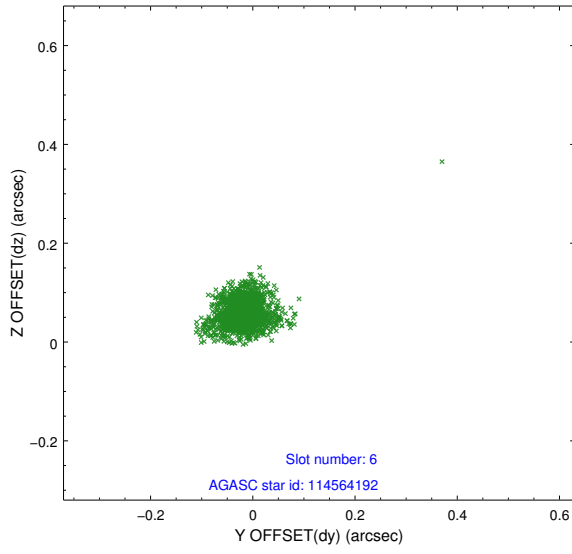
2.4.2 Slot 4



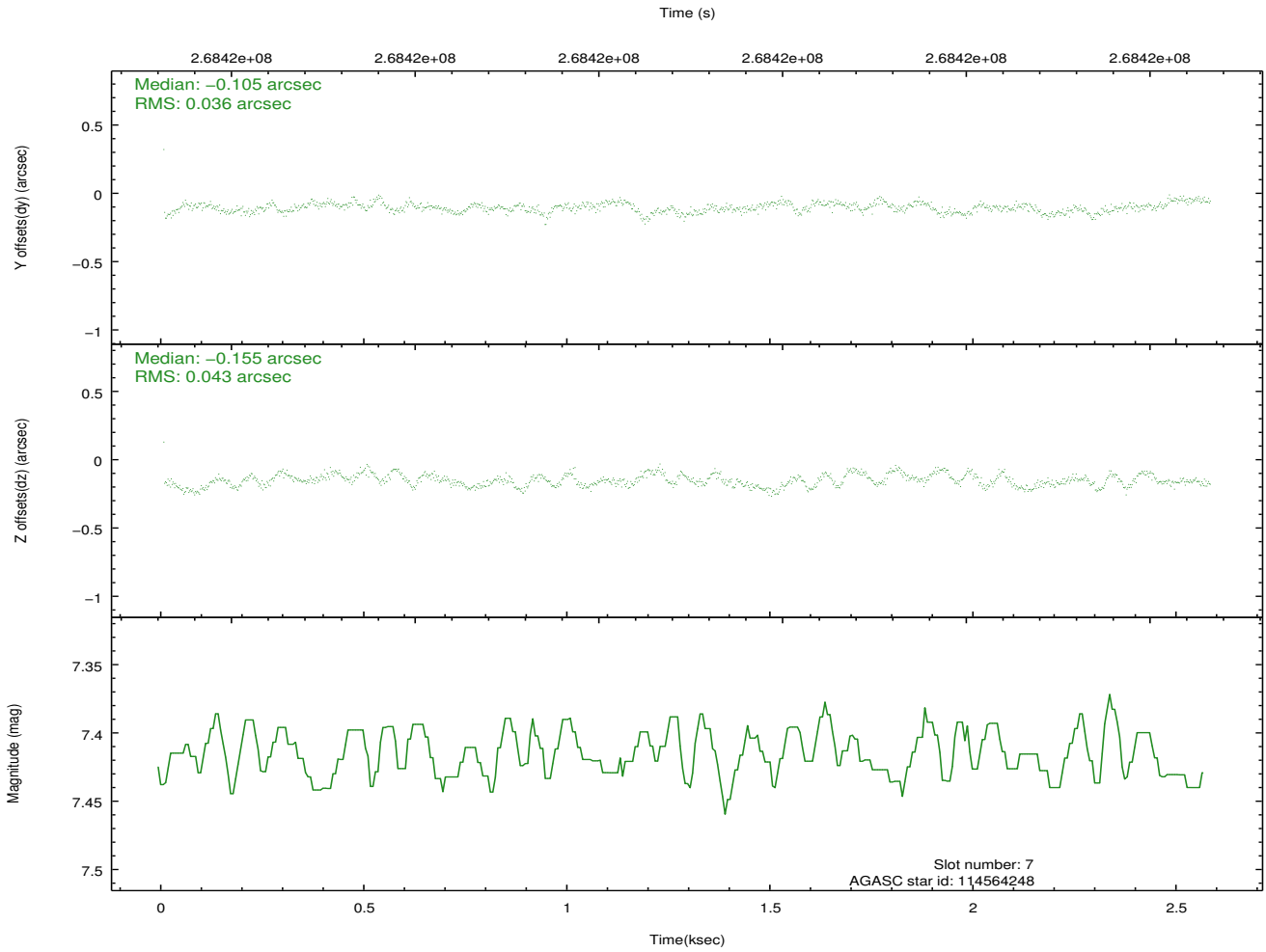
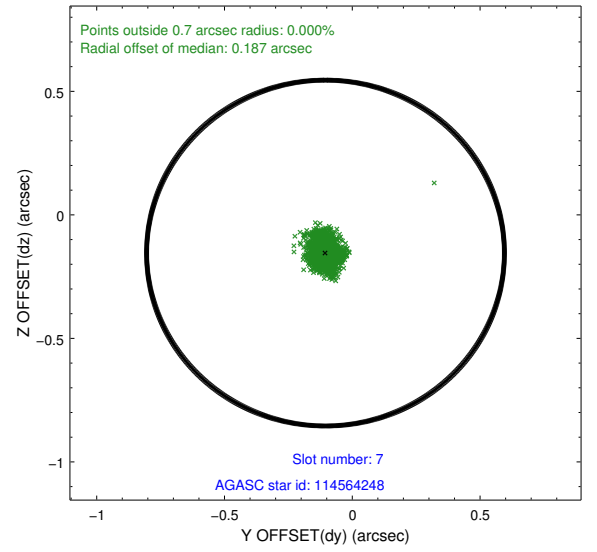
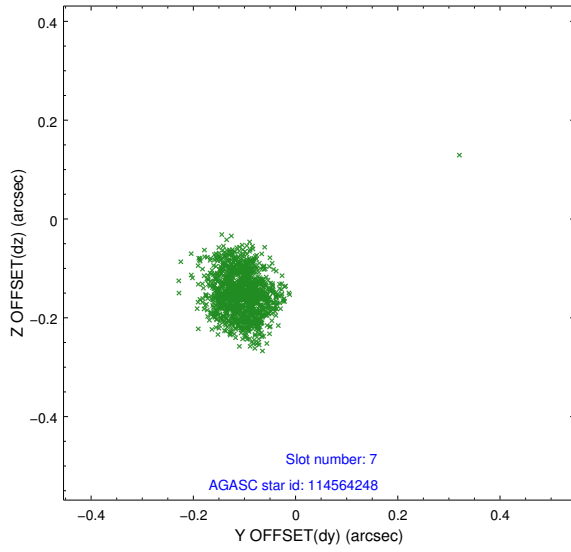
2.4.3 Slot 5



2.4.4 Slot 6

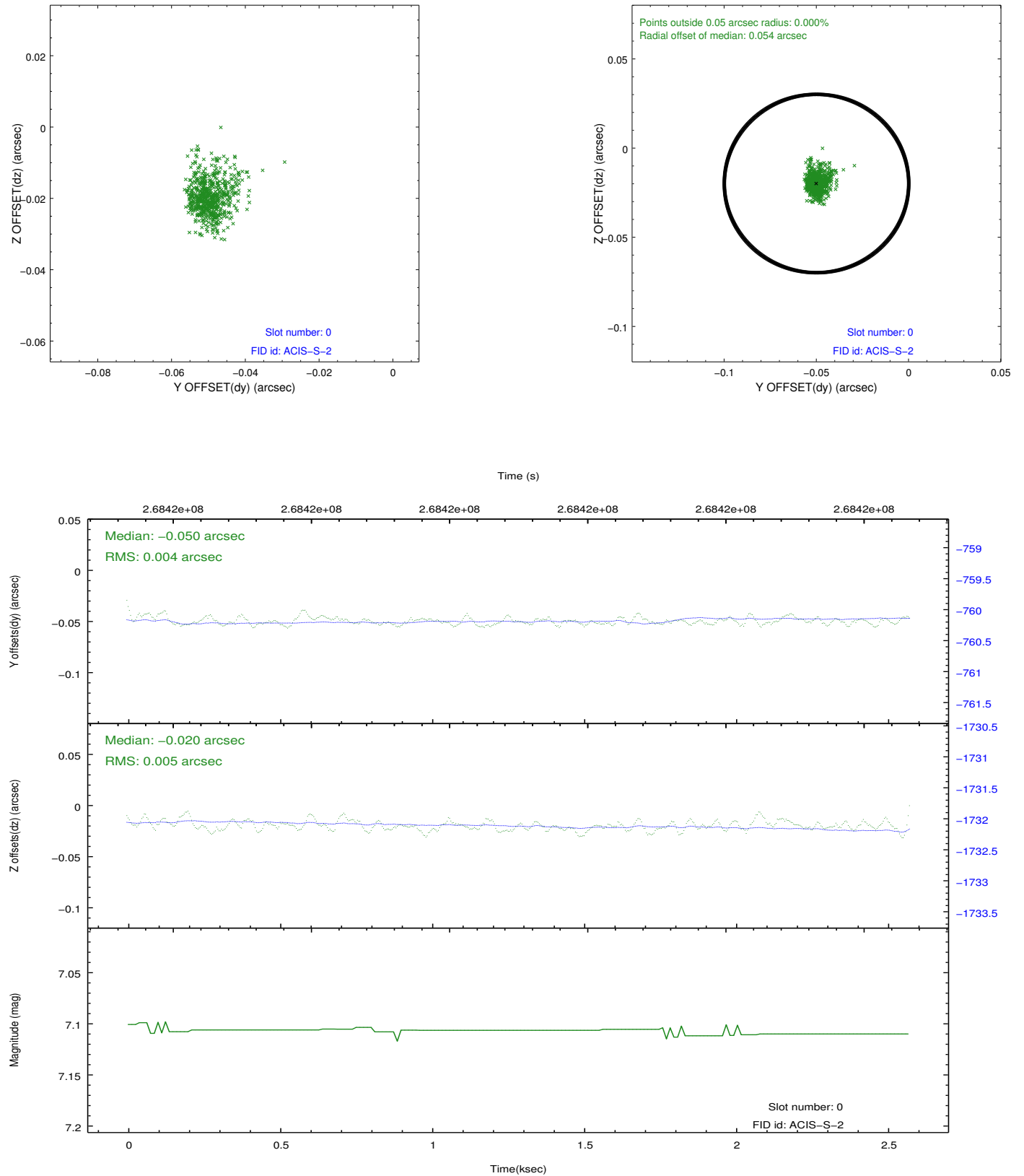


2.4.5 Slot 7

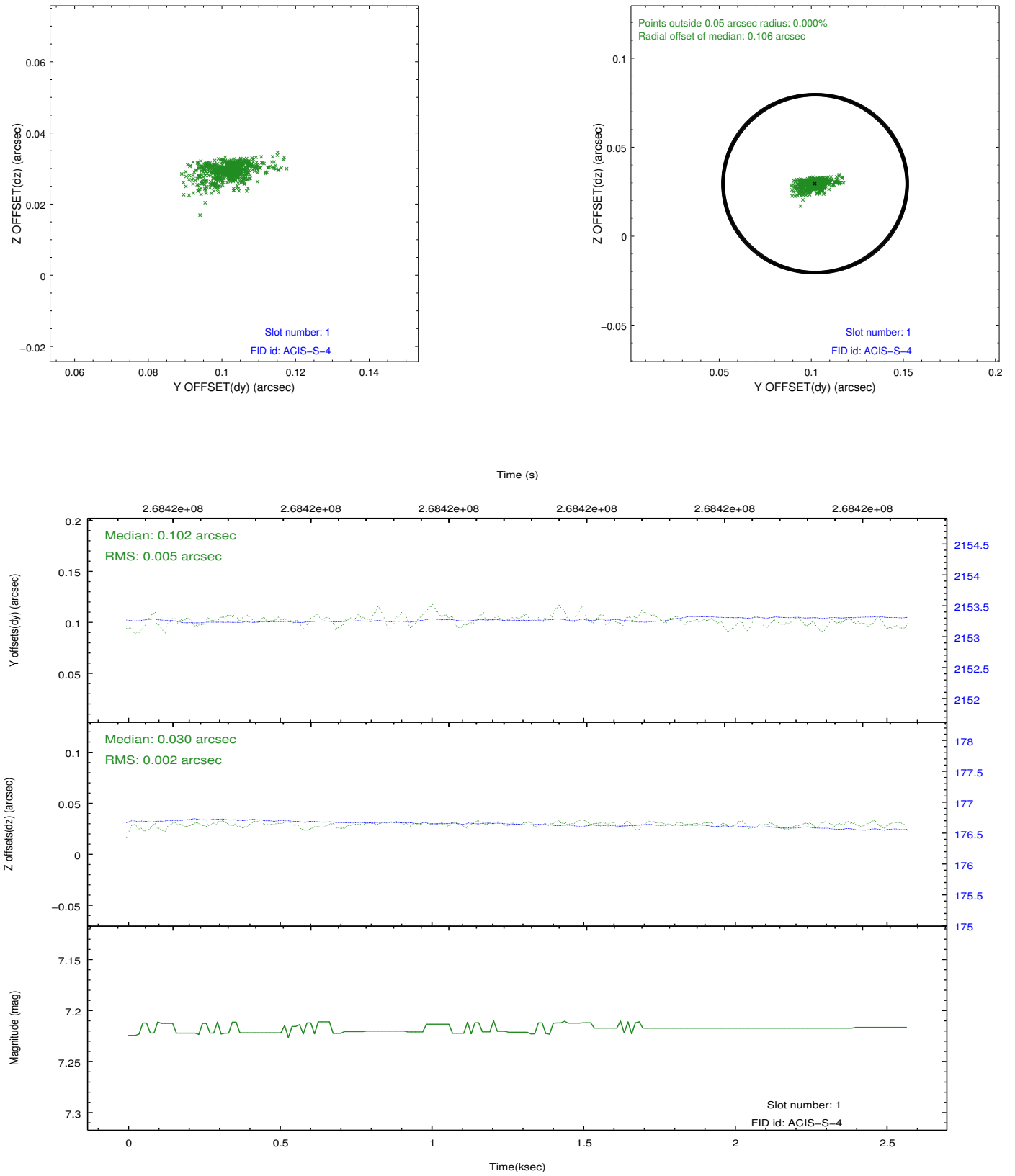


2.5 FID Slots

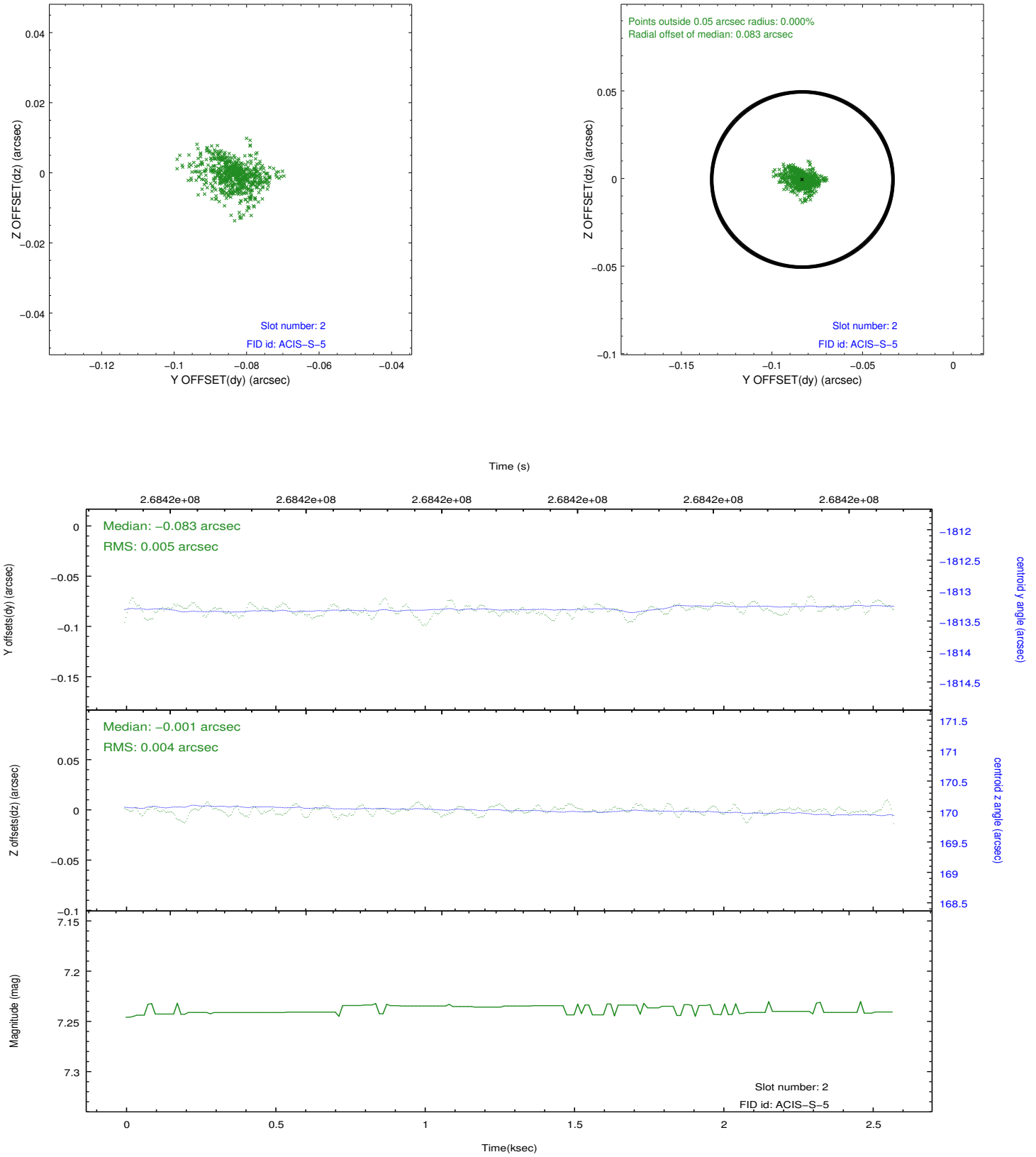
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.95199999

A.2 Comments