

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7103 - L2 Version 2
Chandra X-Ray Center

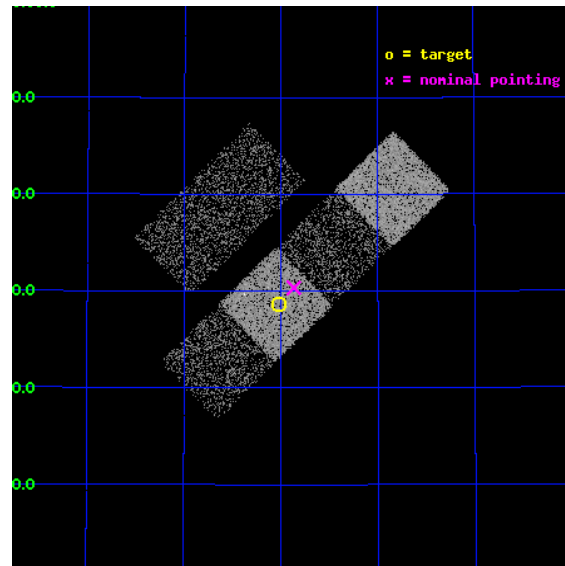
L2 Processing Date : Mar 25 2012

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1 Front

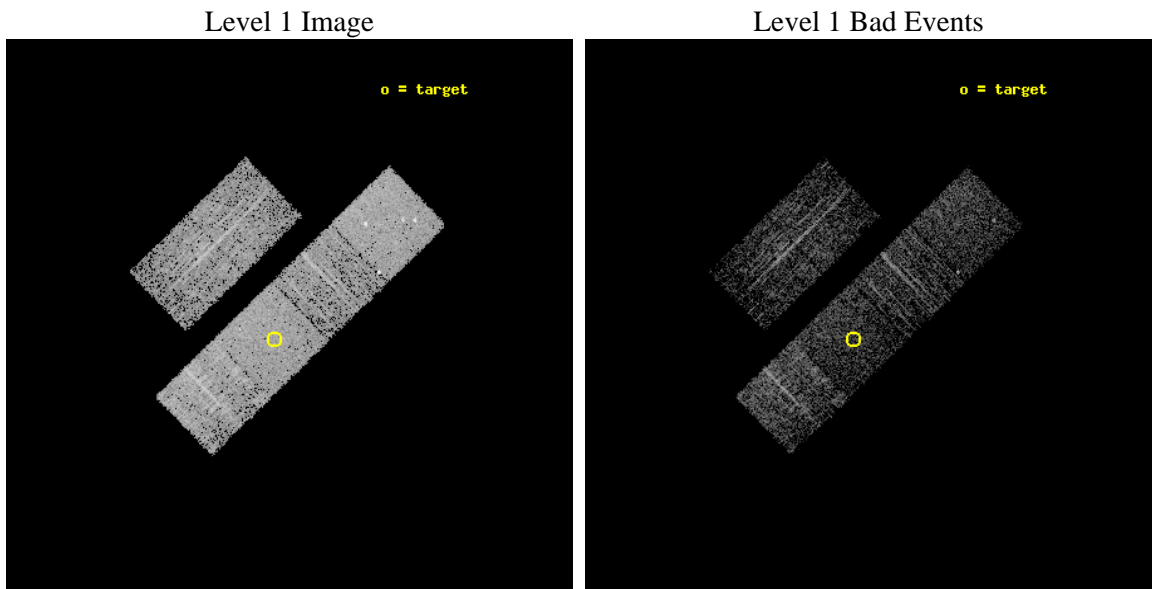
seq_num	600541	Sequence number
obs_id	7103	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4096	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.504583	Observer's specified target RA [deg]
dec_targ	47.478306	Observer's specified target Dec [deg]
ra_nom	181.46668197058	Nominal RA [deg]
dec_nom	47.505764809461	Nominal Dec [deg]
roll_nom	135.68688389618	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1753.5999934673	Sum of GTIs [s]
livetime	1731.3948544589	Livetime [s]
ontime2	1753.5999934673	Sum of GTIs [s]
ontime3	1753.5999934673	Sum of GTIs [s]
ontime5	1753.5999934673	Sum of GTIs [s]
ontime6	1753.5999934673	Sum of GTIs [s]
ontime7	1753.5999934673	Sum of GTIs [s]
ontime8	1750.3590131998	Sum of GTIs [s]
l2events	24502	Number of level 2 events



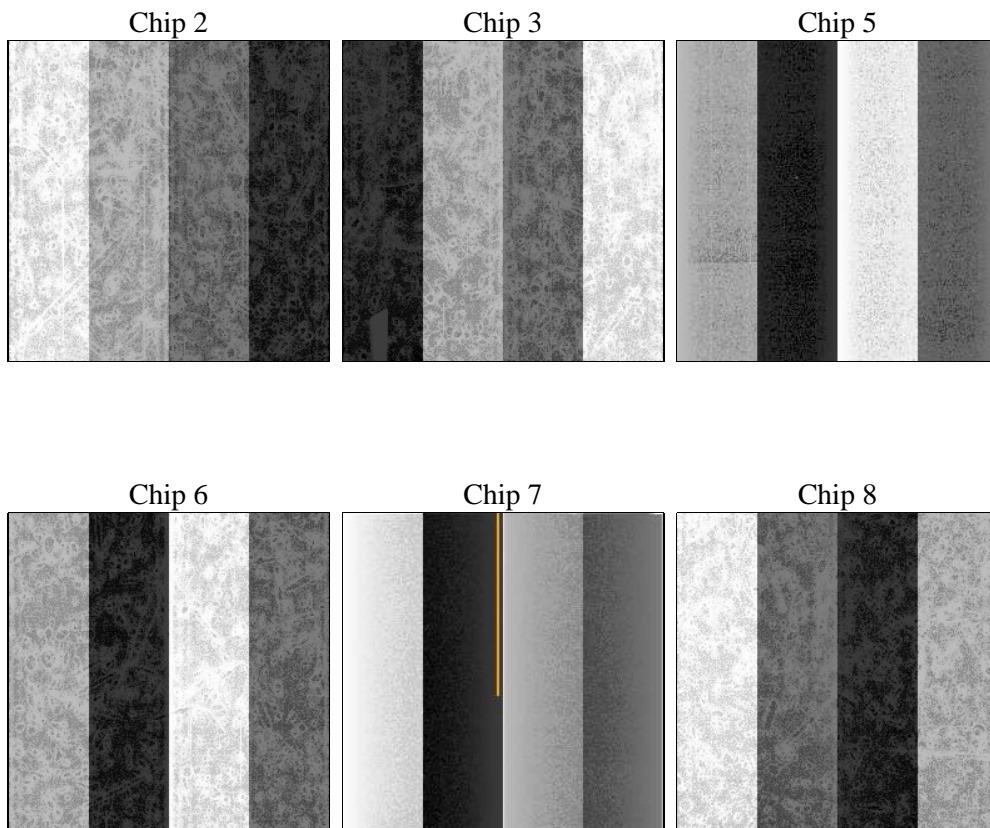
2 OBI

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	Processing system revision	ontime	1753.5999934673	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	1753.5999934673	Sum of GTIs [s]
date	2012-03-25T16:07:24	Date and time of file creation	ontime3	1753.5999934673	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1753.5999934673	Sum of GTIs [s]
			ontime6	1753.5999934673	Sum of GTIs [s]
			ontime7	1753.5999934673	Sum of GTIs [s]
			ontime8	1750.3590131998	Sum of GTIs [s]
			l1events	110641	Number of level 1 events

2.1.4 Events

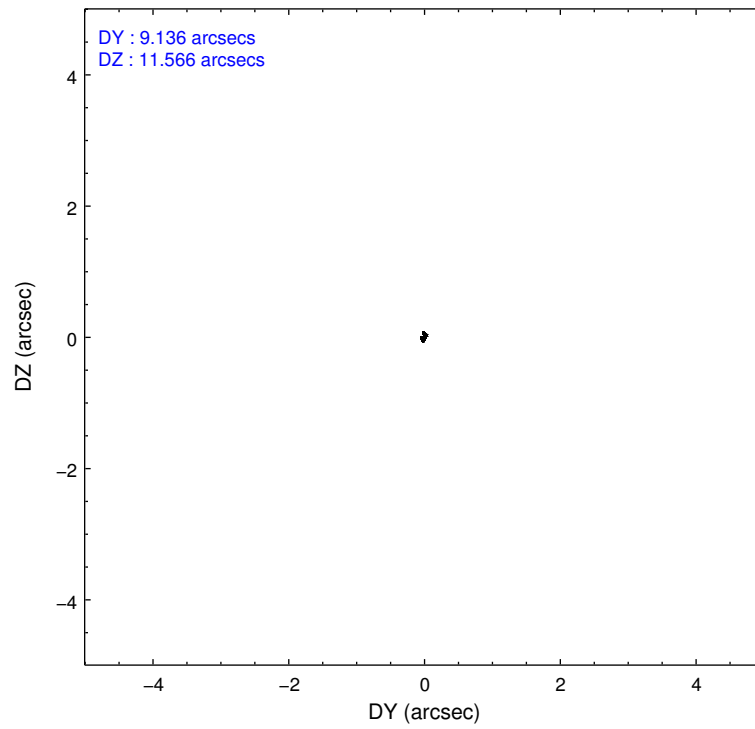
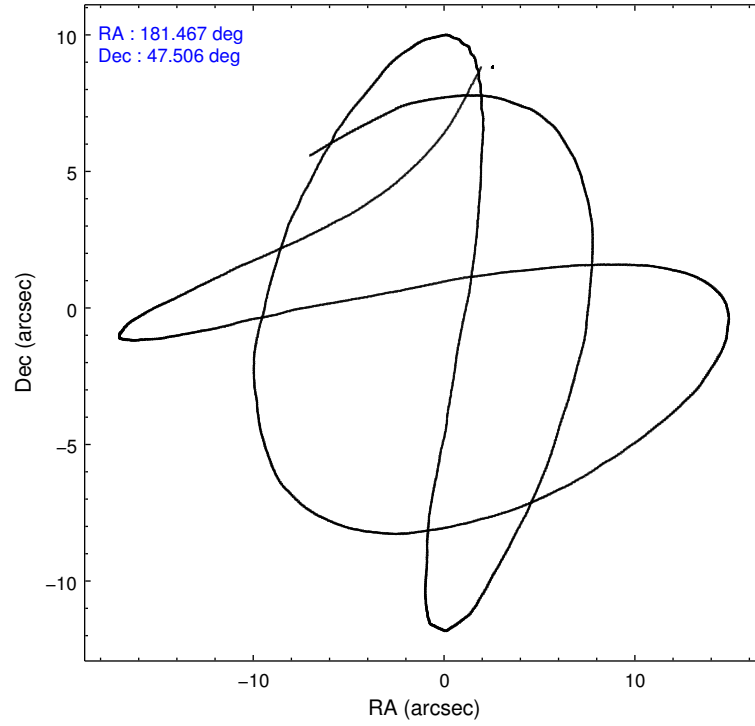
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14669	13941	23916	15439	20504	22172
rejected events	12875	12265	12676	13667	11801	18014
rejected %	87%	87%	53%	88%	57%	81%

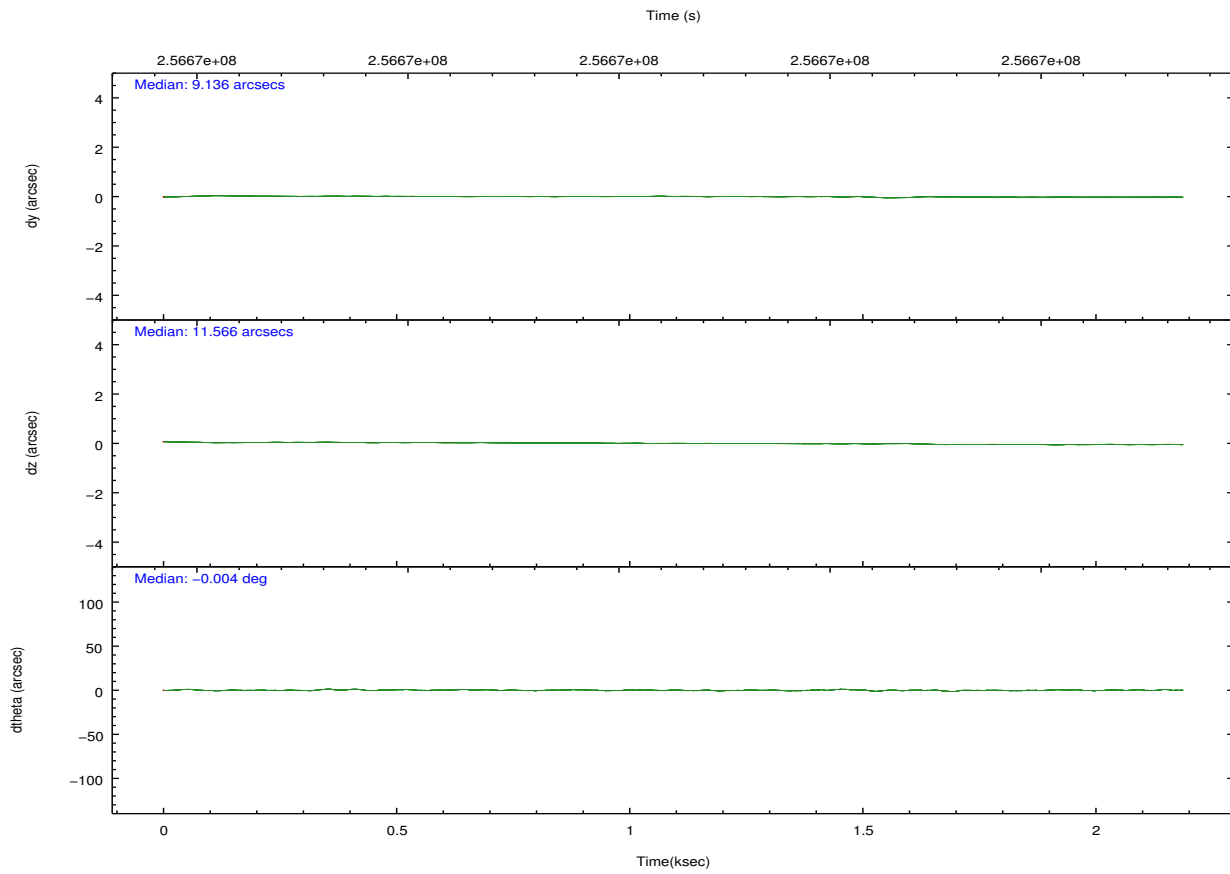
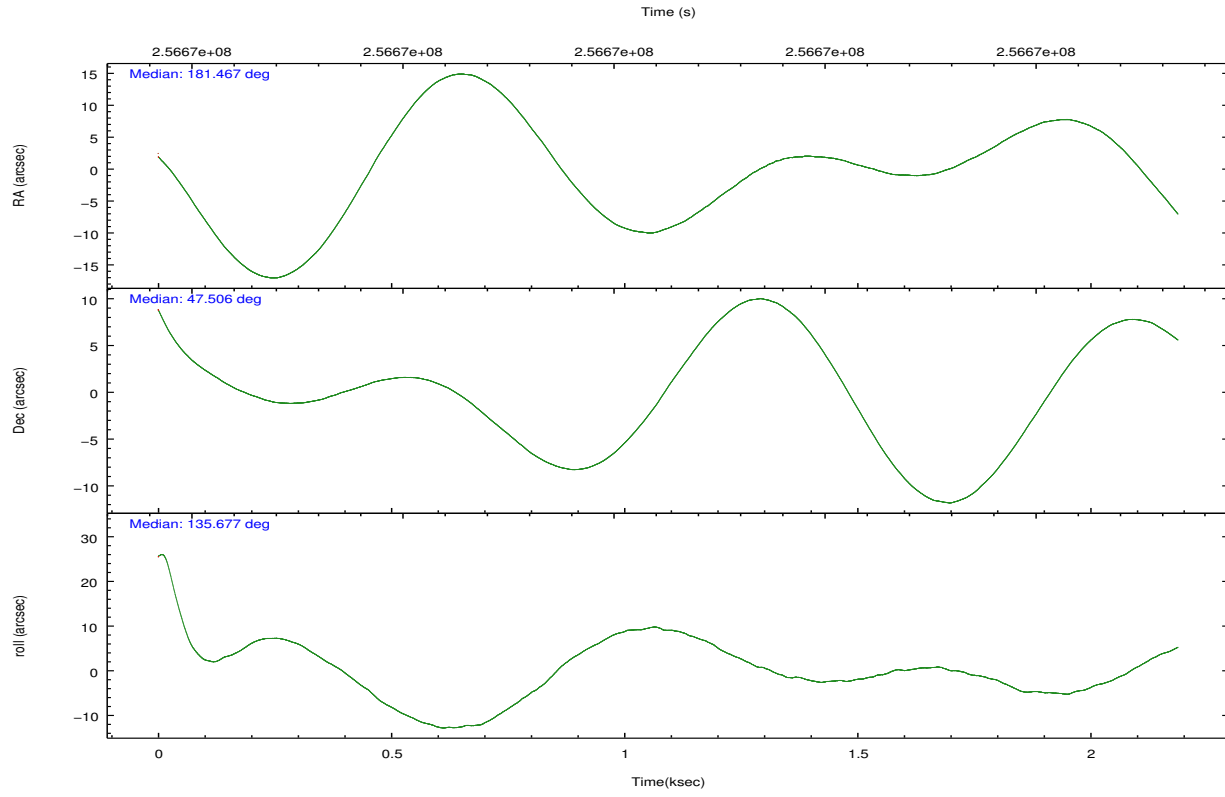
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	782	722	1365	709	830	1234
	5%	5%	5%	4%	4%	5%
grade 1 events	4	9	48	7	16	27
	0%	0%	0%	0%	0%	0%
grade 2 events	370	319	3289	345	1801	940
	2%	2%	13%	2%	8%	4%
grade 3 events	161	183	413	155	780	416
	1%	1%	1%	1%	3%	1%
grade 4 events	174	179	453	181	788	378
	1%	1%	1%	1%	3%	1%
grade 5 events	604	671	1794	724	1972	889
	4%	4%	7%	4%	9%	4%
grade 6 events	314	277	5763	387	4535	1200
	2%	1%	24%	2%	22%	5%
grade 7 events	12260	11581	10791	12931	9782	17088
	83%	83%	45%	83%	47%	77%

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	181.506054	181.4666819705816	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.499302	47.50576480946097	Alternating exposures requested	N	N
[deg] Pointing Roll	135.501019	135.6868838961766	[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)	256668218.184000	256667499.86105			
Observation start date	2006-02-18T16:42:33	2006-02-18T16:31:39			
[s] Observation end time (MET)	256670218.184000	256670901.83621			
Observation end date	2006-02-18T17:15:53	2006-02-18T17:28:21			
Read mode	TIMED	TIMED			

2.3 Aspect



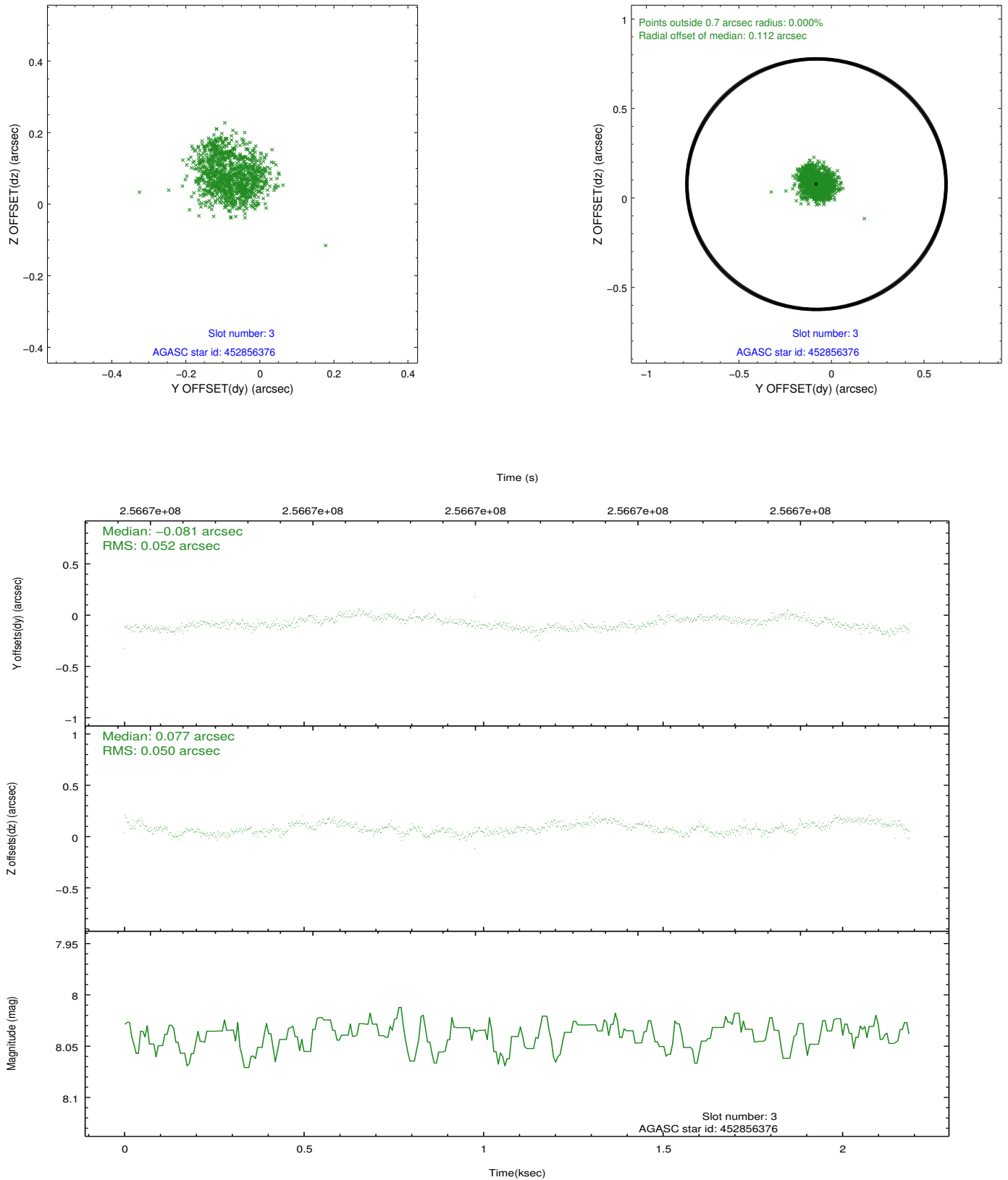


Slot Statistics

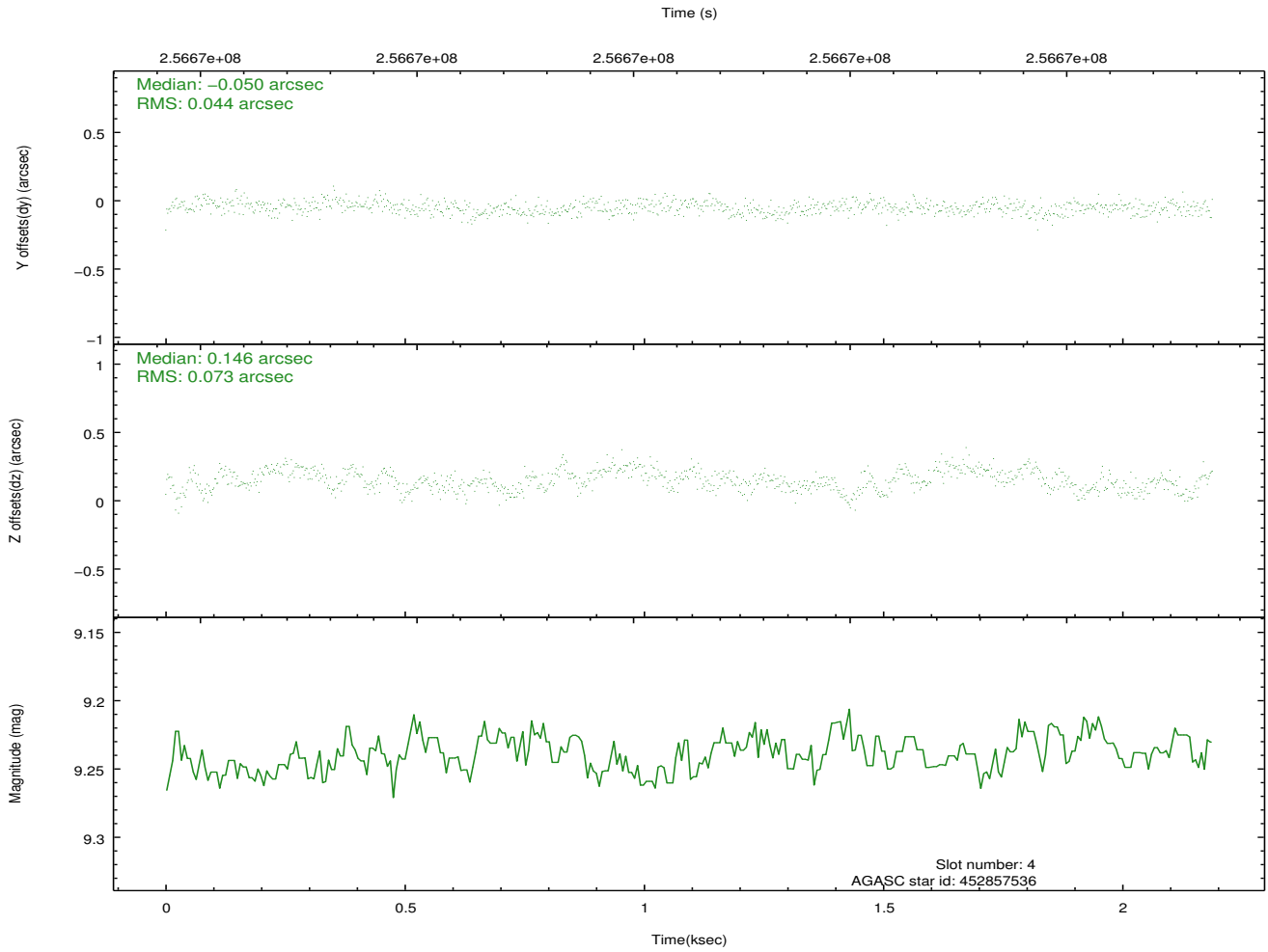
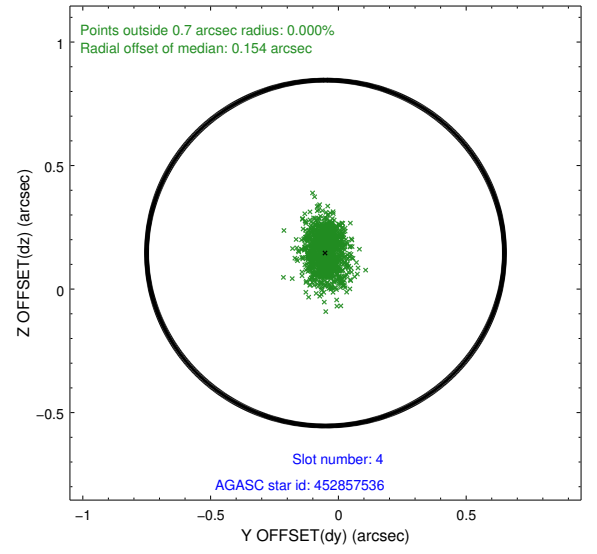
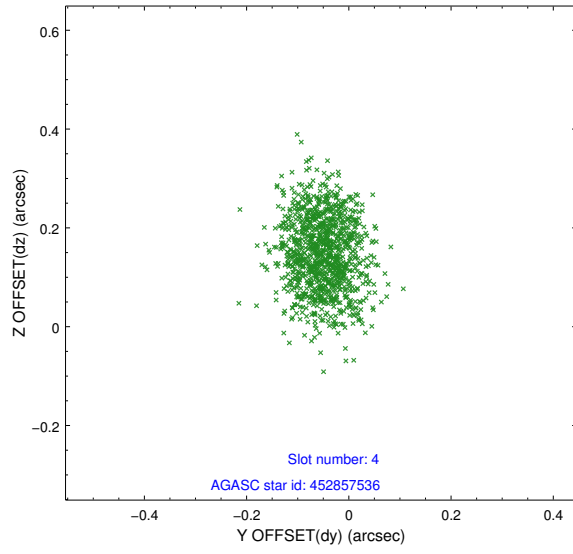
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	534	0.073	-0.081	0.006	0.011	0.000000	0.000000	934.13	-1728.58
1	FID	ACIS-S-5	7.24	534	-0.140	0.036	0.006	0.011	0.000000	0.000000	-1813.37	166.07
2	FID	ACIS-S-6	7.35	534	0.046	0.056	0.007	0.011	0.000000	0.000000	396.49	813.38
3	GUIDE	452856376	8.04	1068	-0.081	0.077	0.078	0.113	181.732101	47.874752	558.46	-1346.79
4	GUIDE	452857536	9.24	1066	-0.050	0.146	0.092	0.148	182.053981	47.925534	136.54	-2025.01
5	GUIDE	452858288	7.96	1068	0.098	-0.012	0.063	0.099	181.783501	47.298269	-989.60	38.64
6	GUIDE	452860280	8.39	1068	-0.089	-0.169	0.078	0.128	180.799388	47.171416	410.08	2048.57
7	GUIDE	452860016	8.62	1067	0.124	-0.059	0.056	0.093	181.748151	47.142368	-1322.78	502.08

2.4 Star Slots

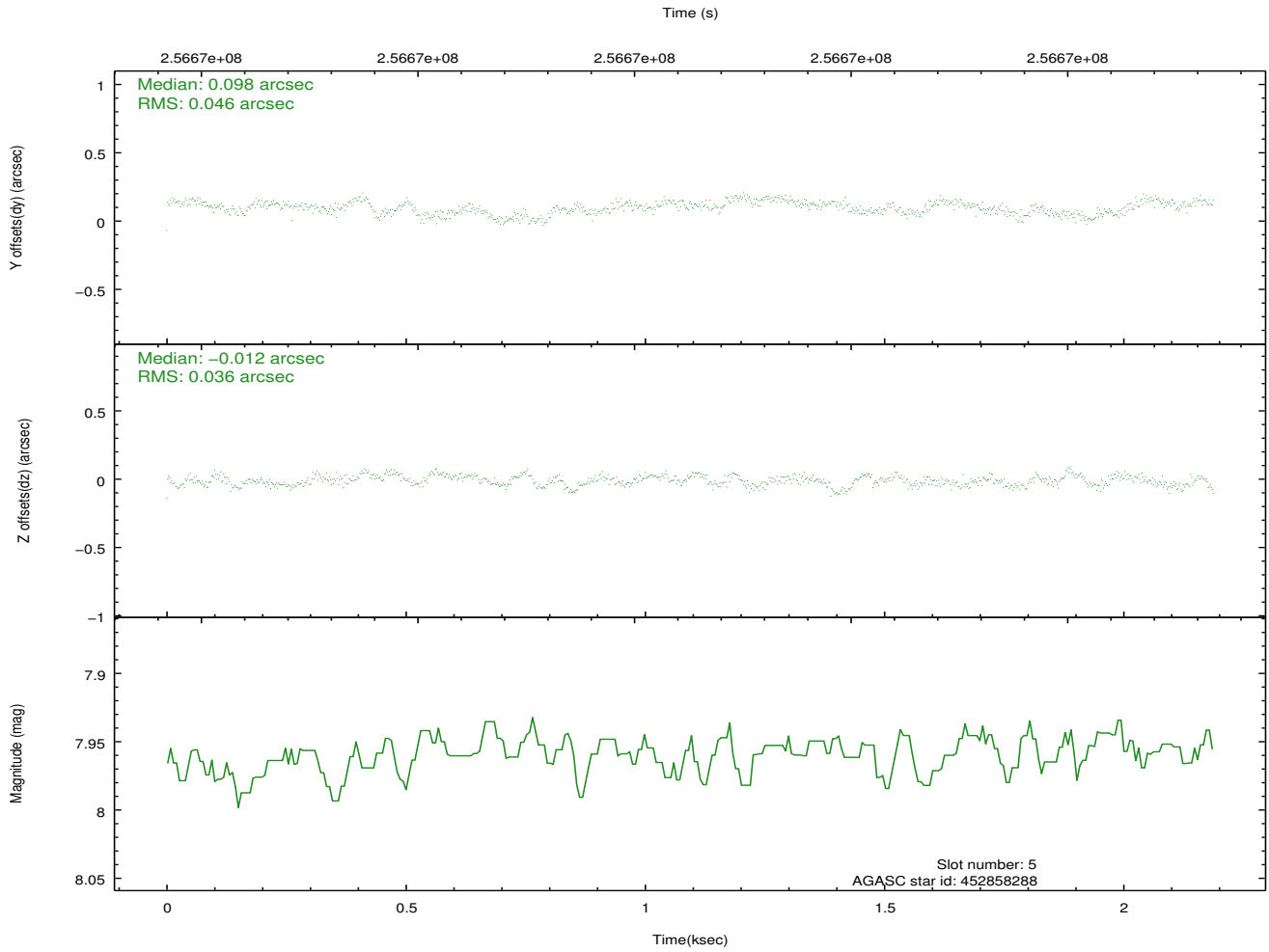
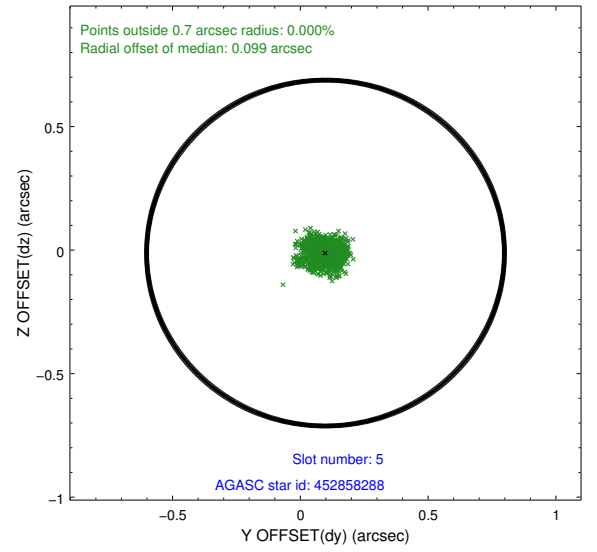
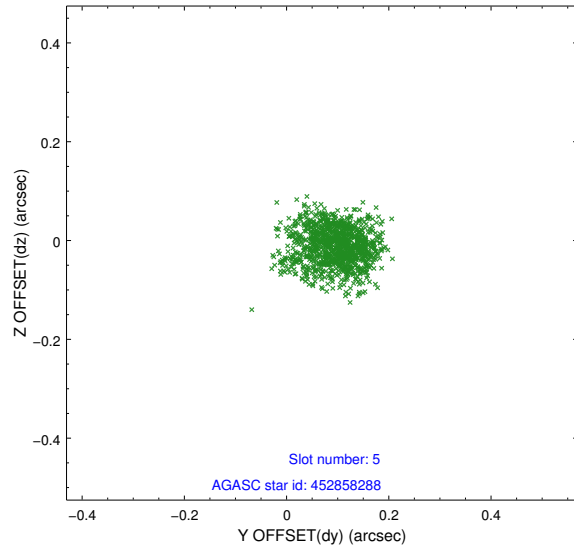
2.4.1 Slot 3



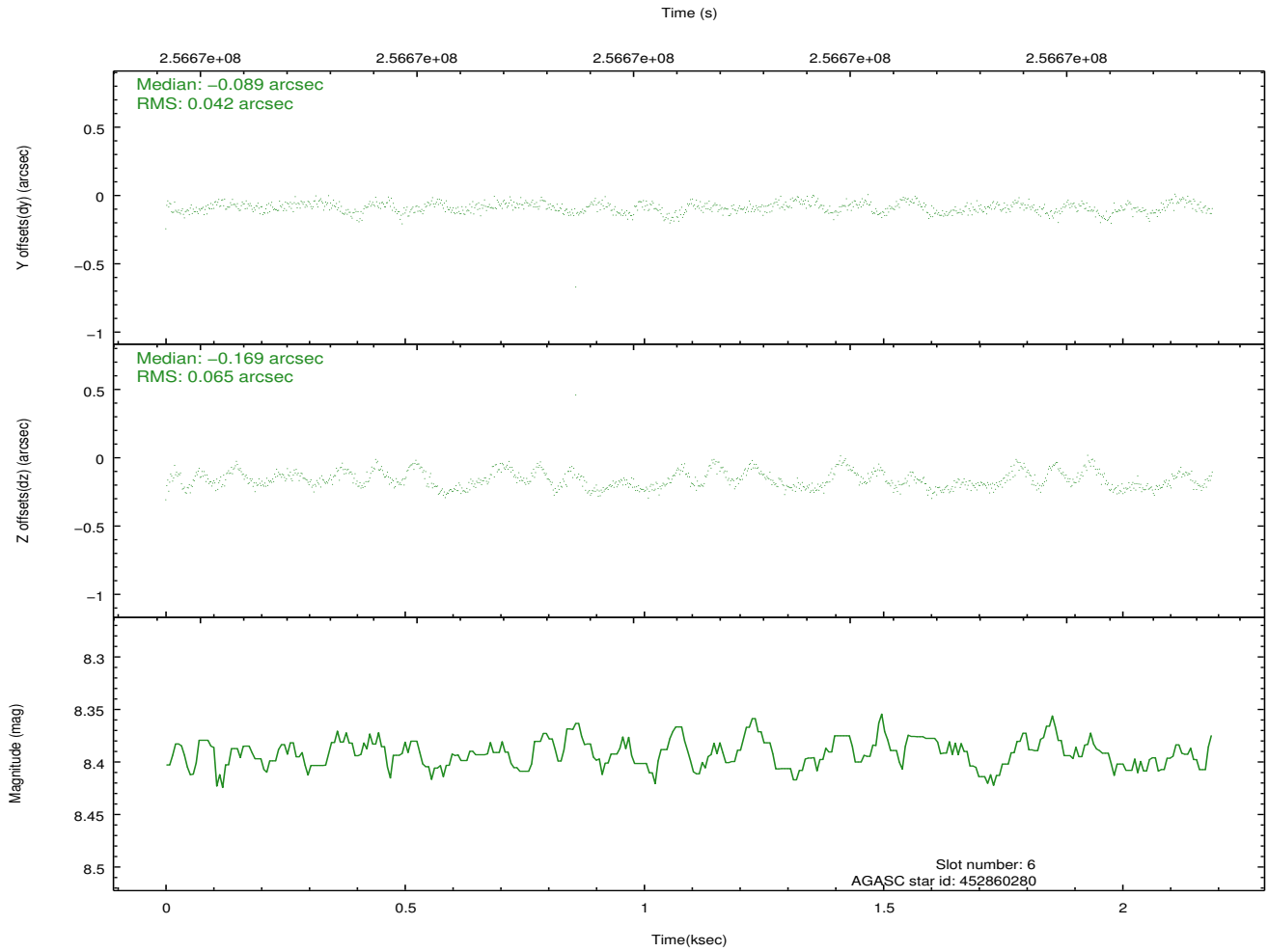
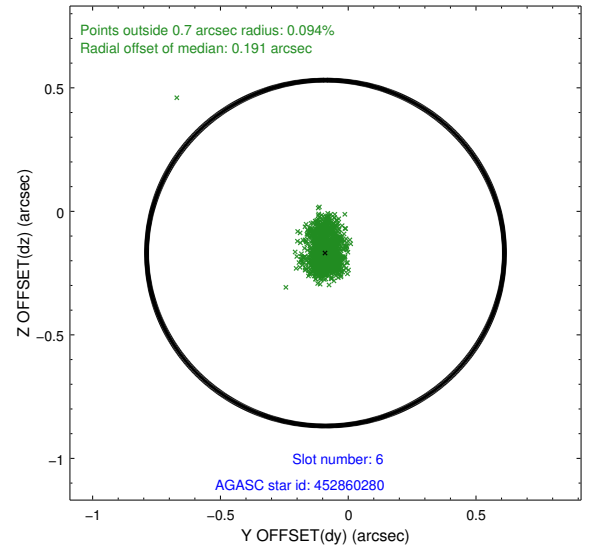
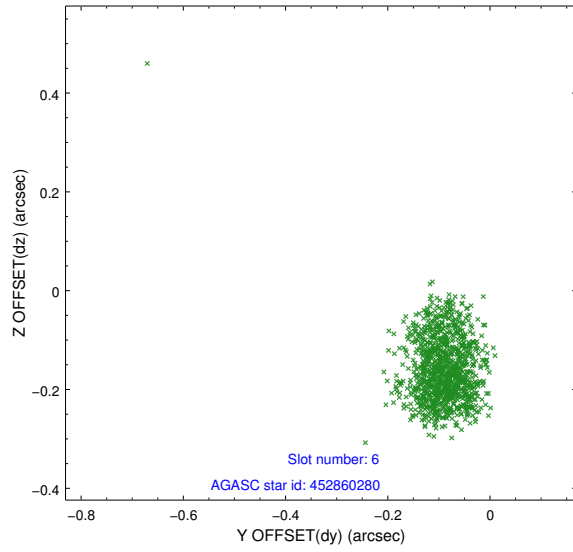
2.4.2 Slot 4



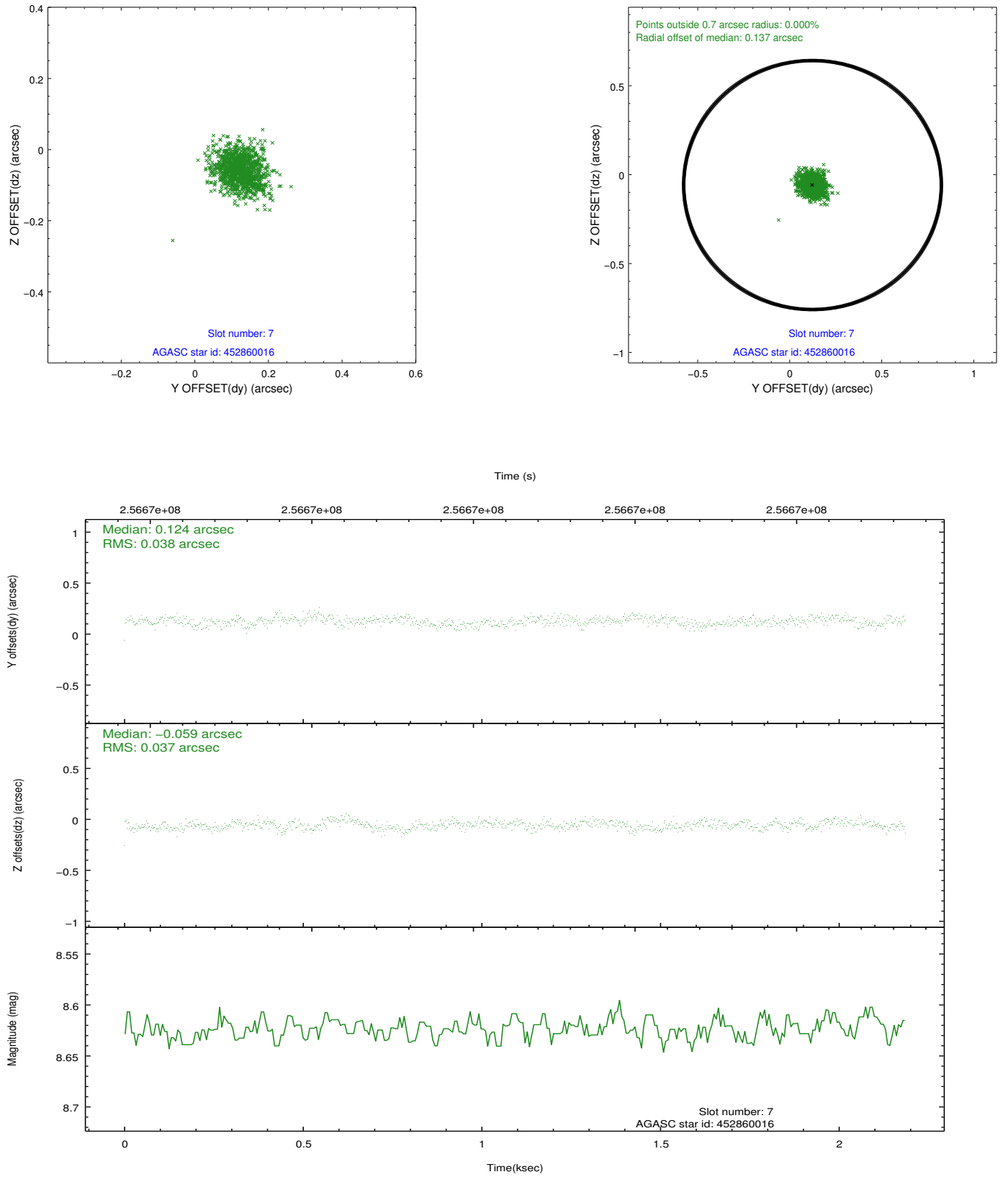
2.4.3 Slot 5



2.4.4 Slot 6

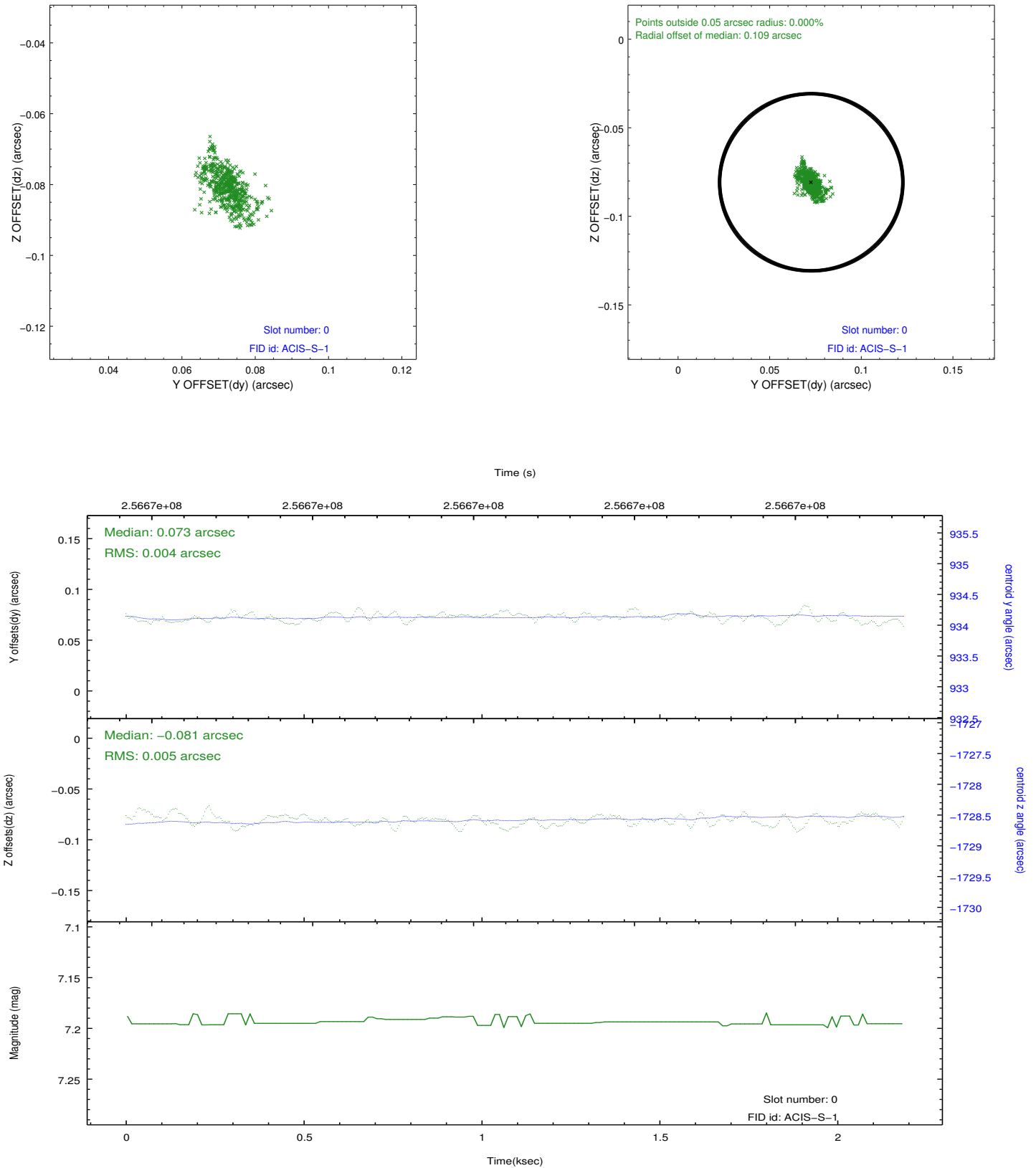


2.4.5 Slot 7

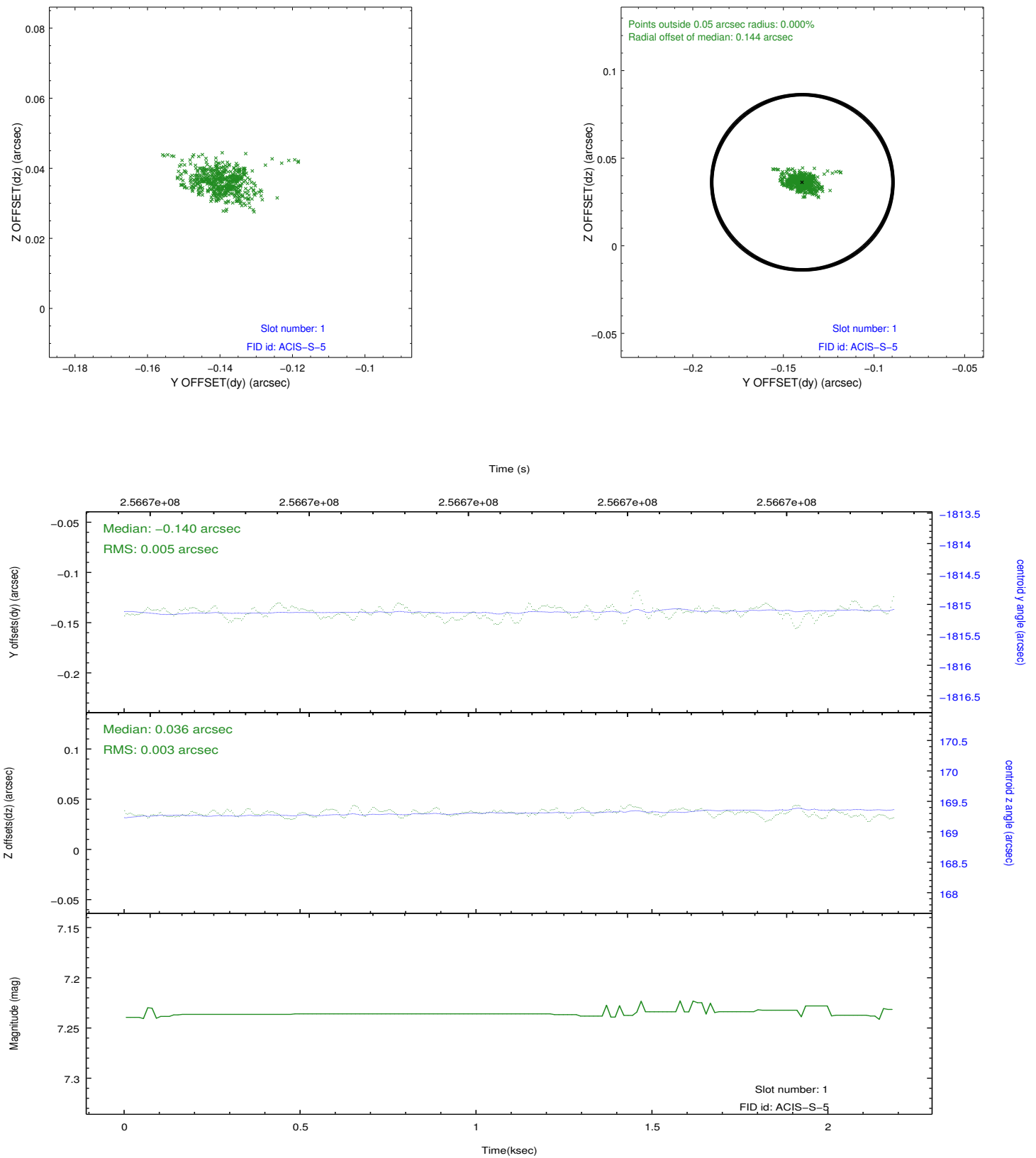


2.5 FID Slots

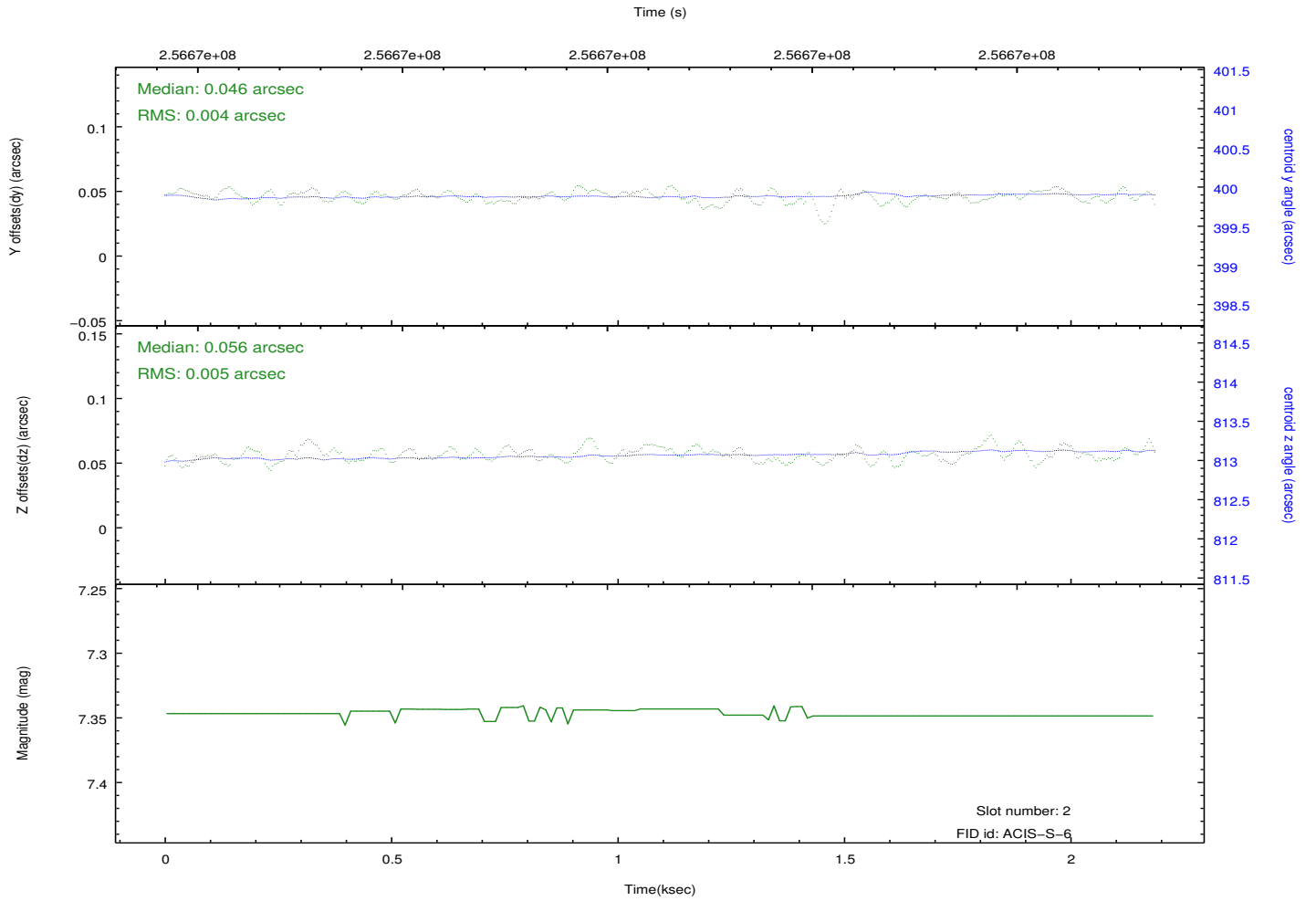
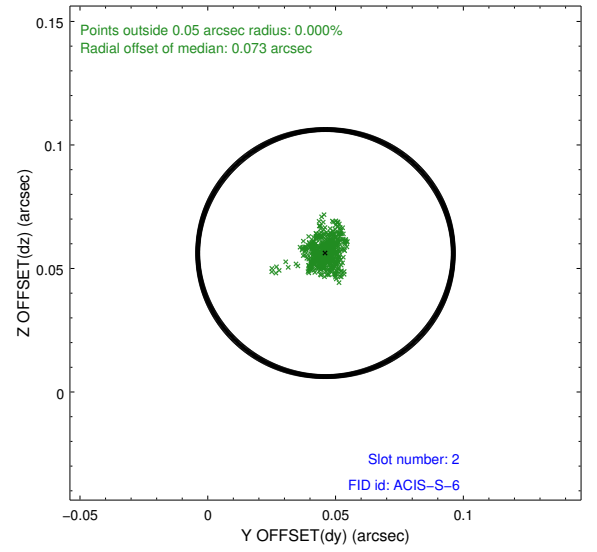
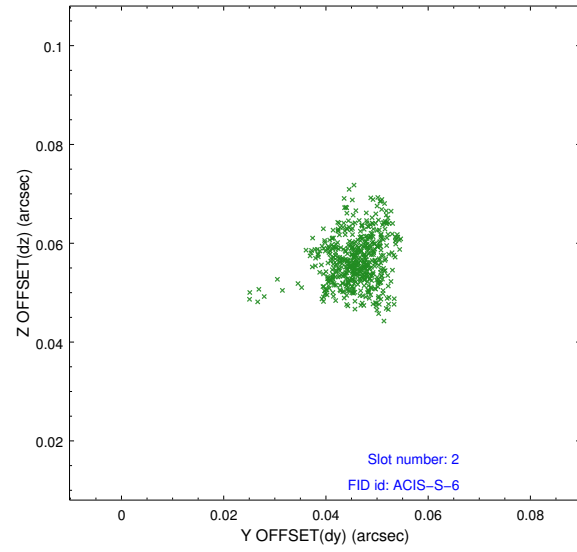
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.75359999

A.2 Comments