

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11641 - L2 Version 2
Chandra X-Ray Center

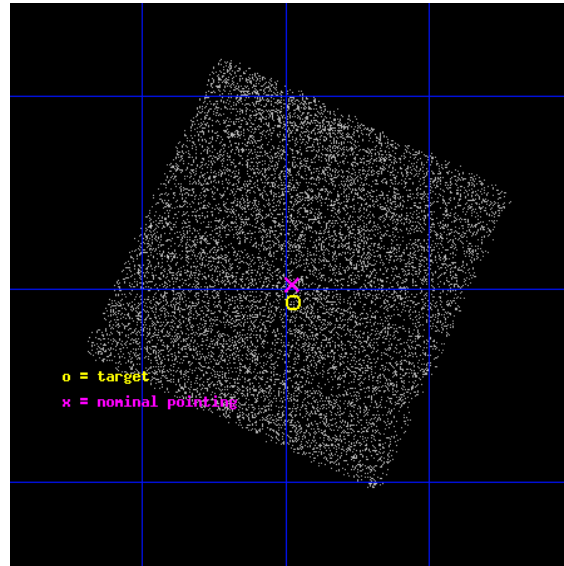
L2 Processing Date : Jun 25 2012

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

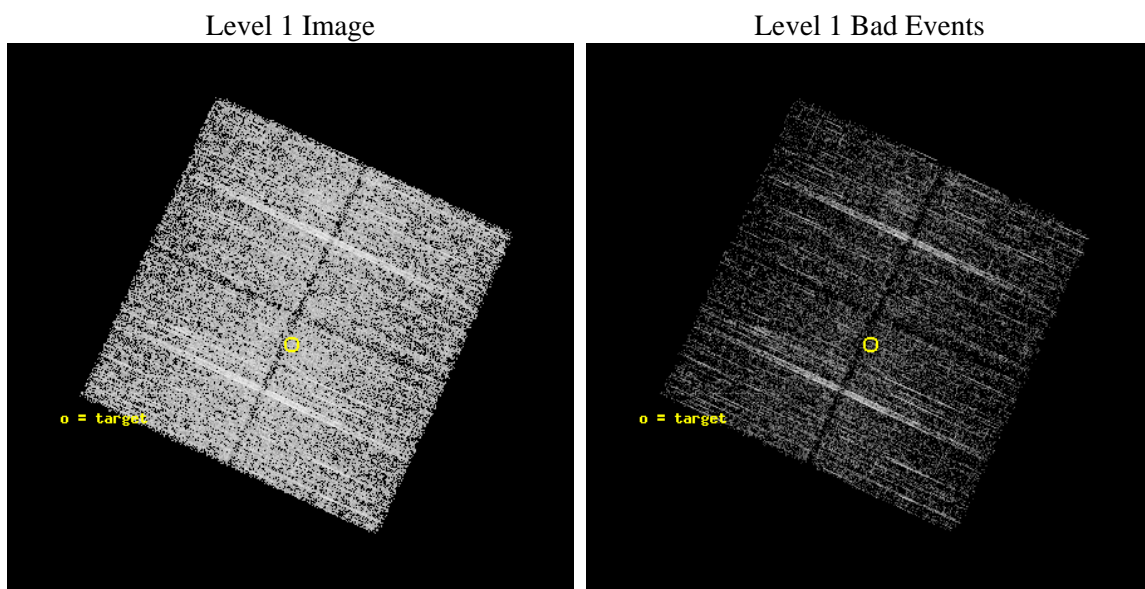
seq_num	702227	Sequence number
obs_id	11641	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1381	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.99375	Observer's specified target RA [deg]
dec_targ	-2.511556	Observer's specified target Dec [deg]
ra_nom	216.99480883833	Nominal RA [deg]
dec_nom	-2.4962845511885	Nominal Dec [deg]
roll_nom	204.74028226649	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5061.4190772772	Sum of GTIs [s]
livetime	4995.28791087	Livetime [s]
ontime0	5061.3369972706	Sum of GTIs [s]
ontime1	5061.3780372739	Sum of GTIs [s]
ontime2	5061.4190772772	Sum of GTIs [s]
ontime3	5061.4601172805	Sum of GTIs [s]
l2events	13834	Number of level 2 events



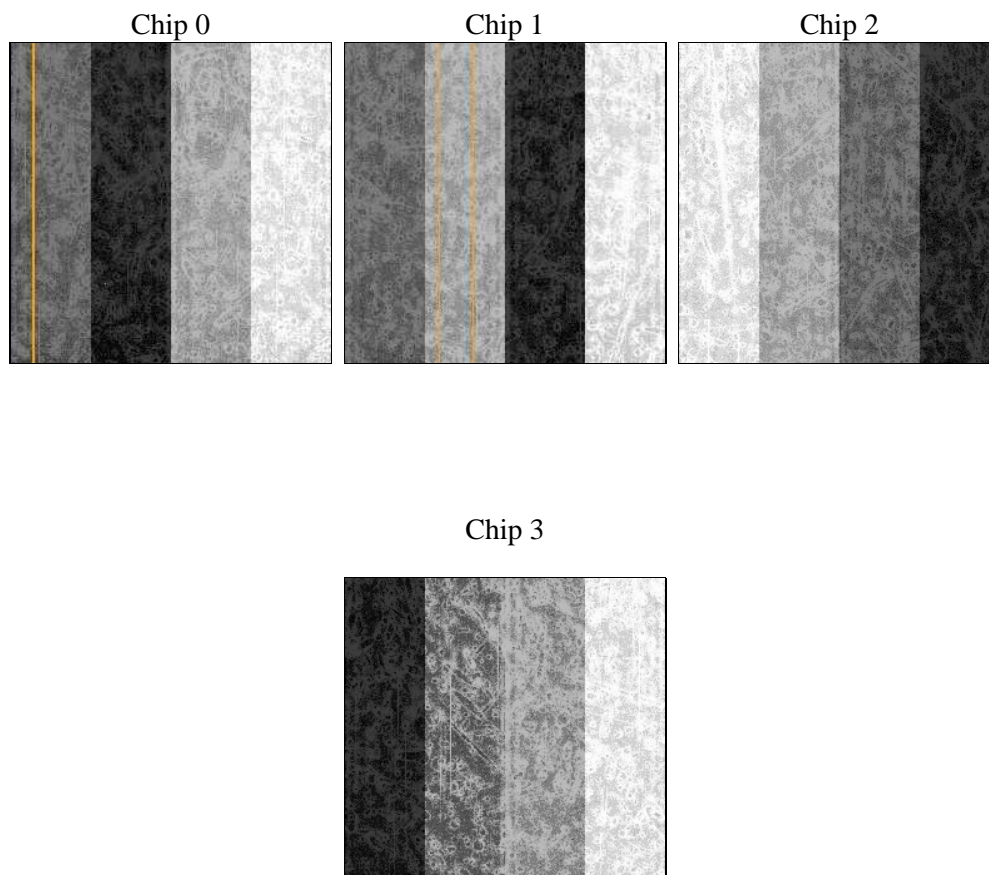
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5061.4190772772	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	5061.3369972706	Sum of GTIs [s]
date	2012-06-25T09:49:42	Date and time of file creation	ontime1	5061.3780372739	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5061.4190772772	Sum of GTIs [s]
			ontime3	5061.4601172805	Sum of GTIs [s]
			l1events	147302	Number of level 1 events

2.1.4 Events

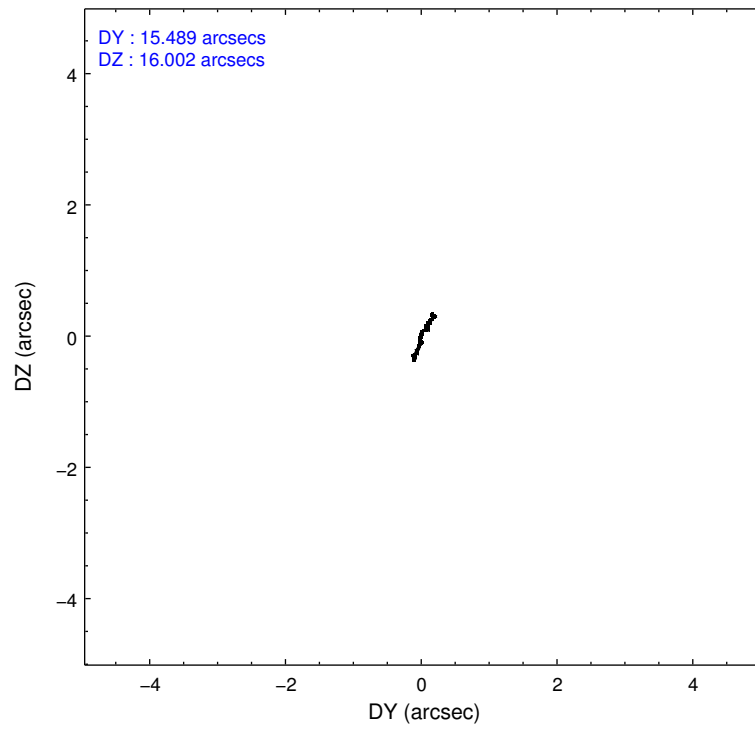
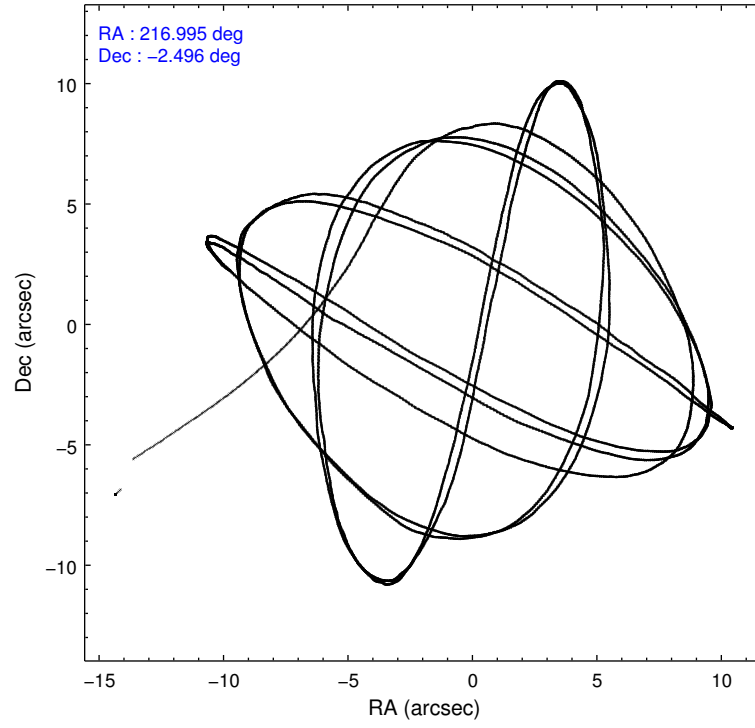
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	34873	34826	39170	38433
rejected events	30795	30278	35137	34548
rejected %	88%	86%	89%	89%

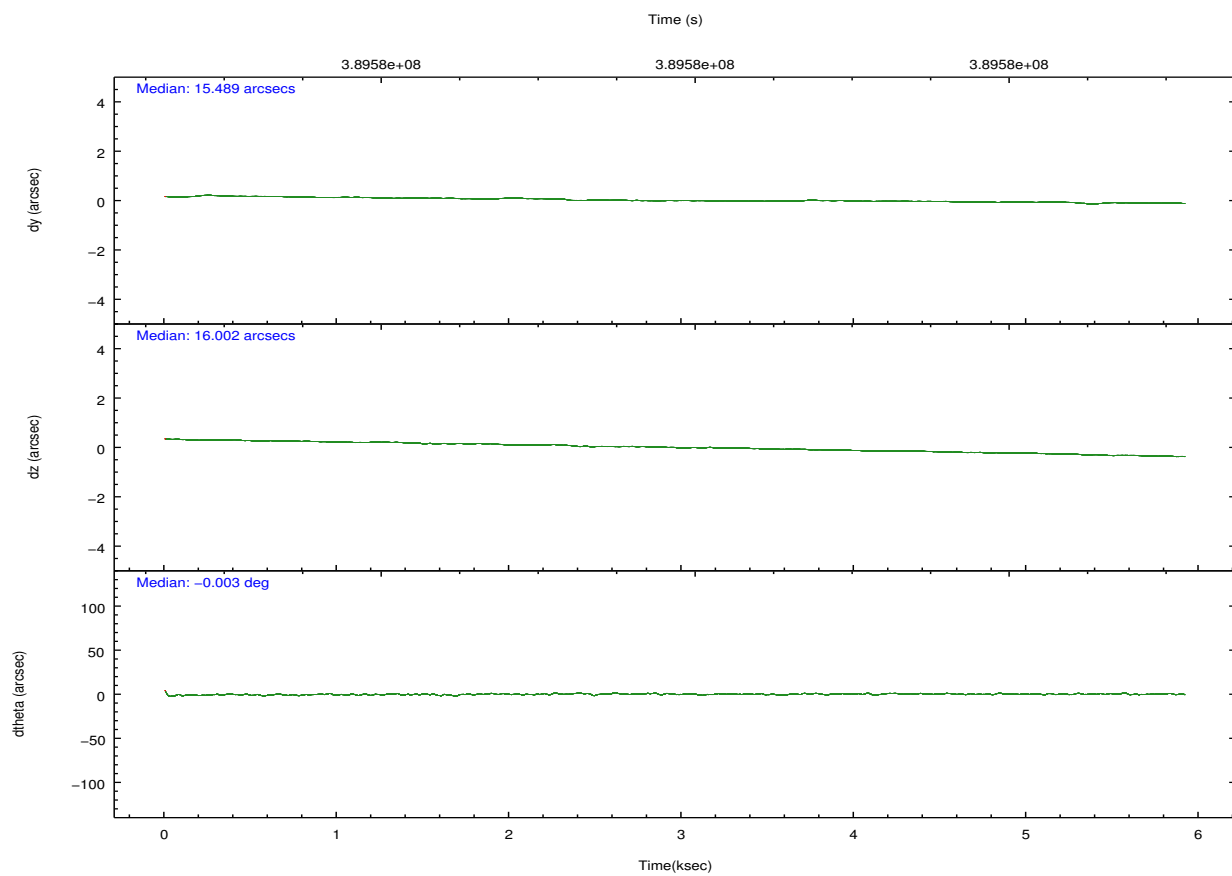
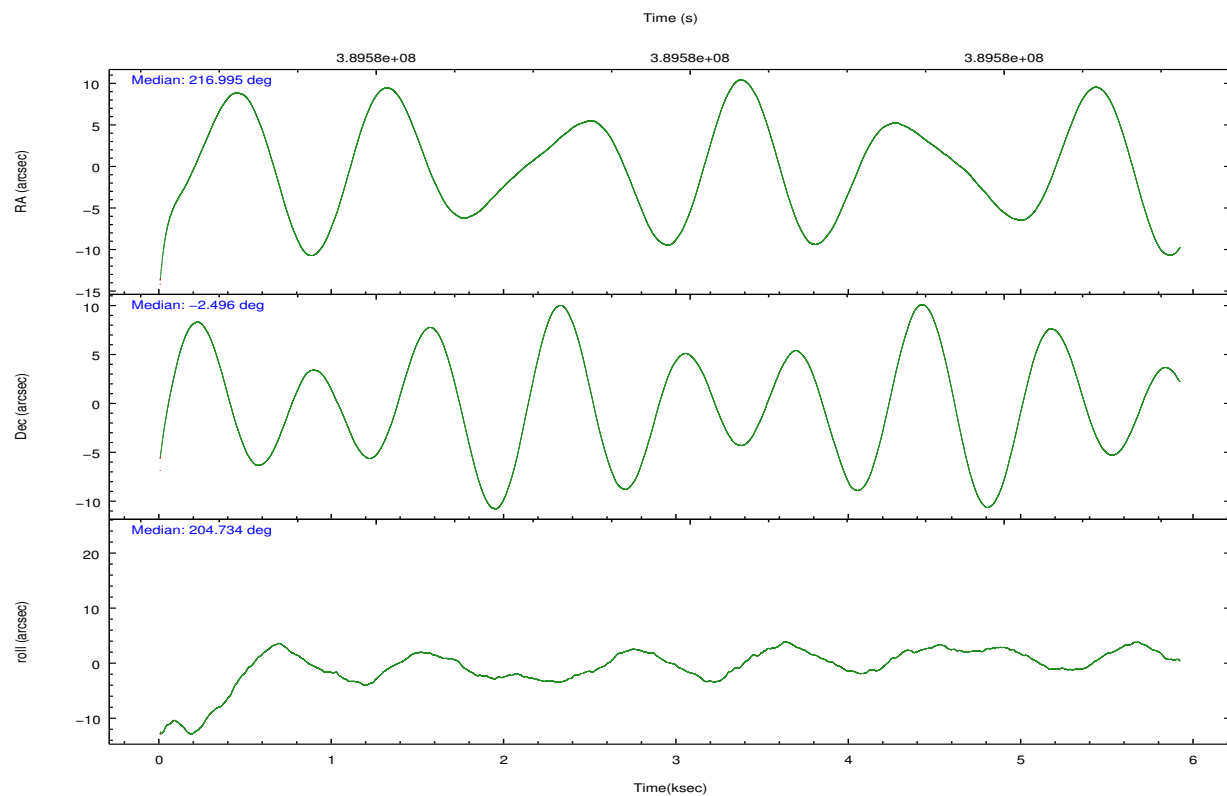
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1385	1605	1479	1399
	3%	4%	3%	3%
grade 1 events	20	16	26	16
	0%	0%	0%	0%
grade 2 events	1007	1032	990	860
	2%	2%	2%	2%
grade 3 events	424	493	427	443
	1%	1%	1%	1%
grade 4 events	404	458	383	430
	1%	1%	0%	1%
grade 5 events	1497	1663	1476	1651
	4%	4%	3%	4%
grade 6 events	860	966	760	758
	2%	2%	1%	1%
grade 7 events	29276	28593	33629	32876
	83%	82%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	217.010617	216.9948088383296	Subarray requested	NONE	NONE
[deg] Pointing Dec	-2.473825	-2.496284551188534	Alternating exposures requested	N	N
[deg] Pointing Roll	204.532272	204.7402822664926	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	389579836.184000	389577703.22641			
Observation start date	2010-05-07T00:36:10	2010-05-07T00:01:43			
[s] Observation end time (MET)	389584836.184000	389585134.98929			
Observation end date	2010-05-07T01:59:30	2010-05-07T02:05:34			
Read mode	TIMED	TIMED			

2.3 Aspect



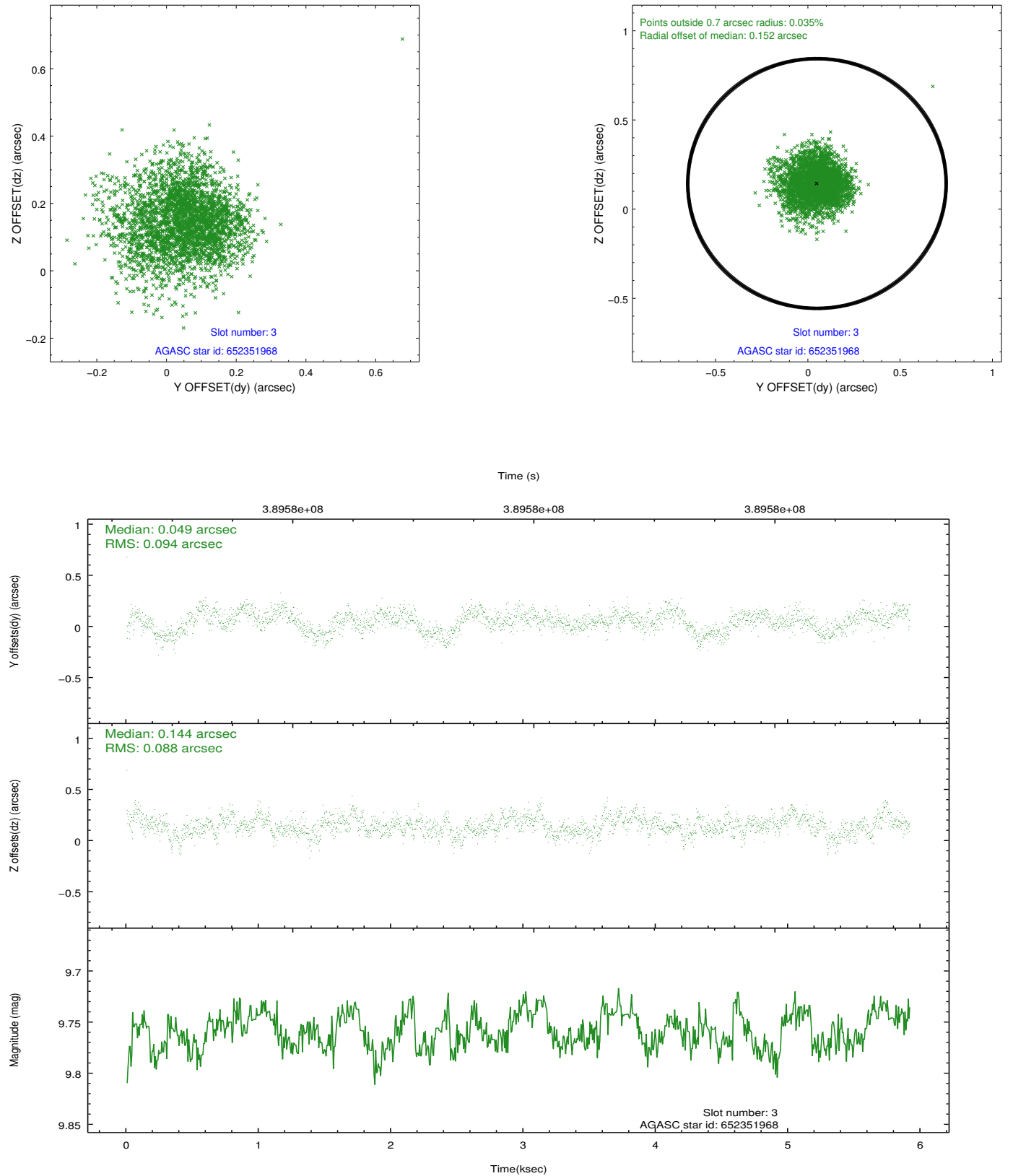


Slot Statistics

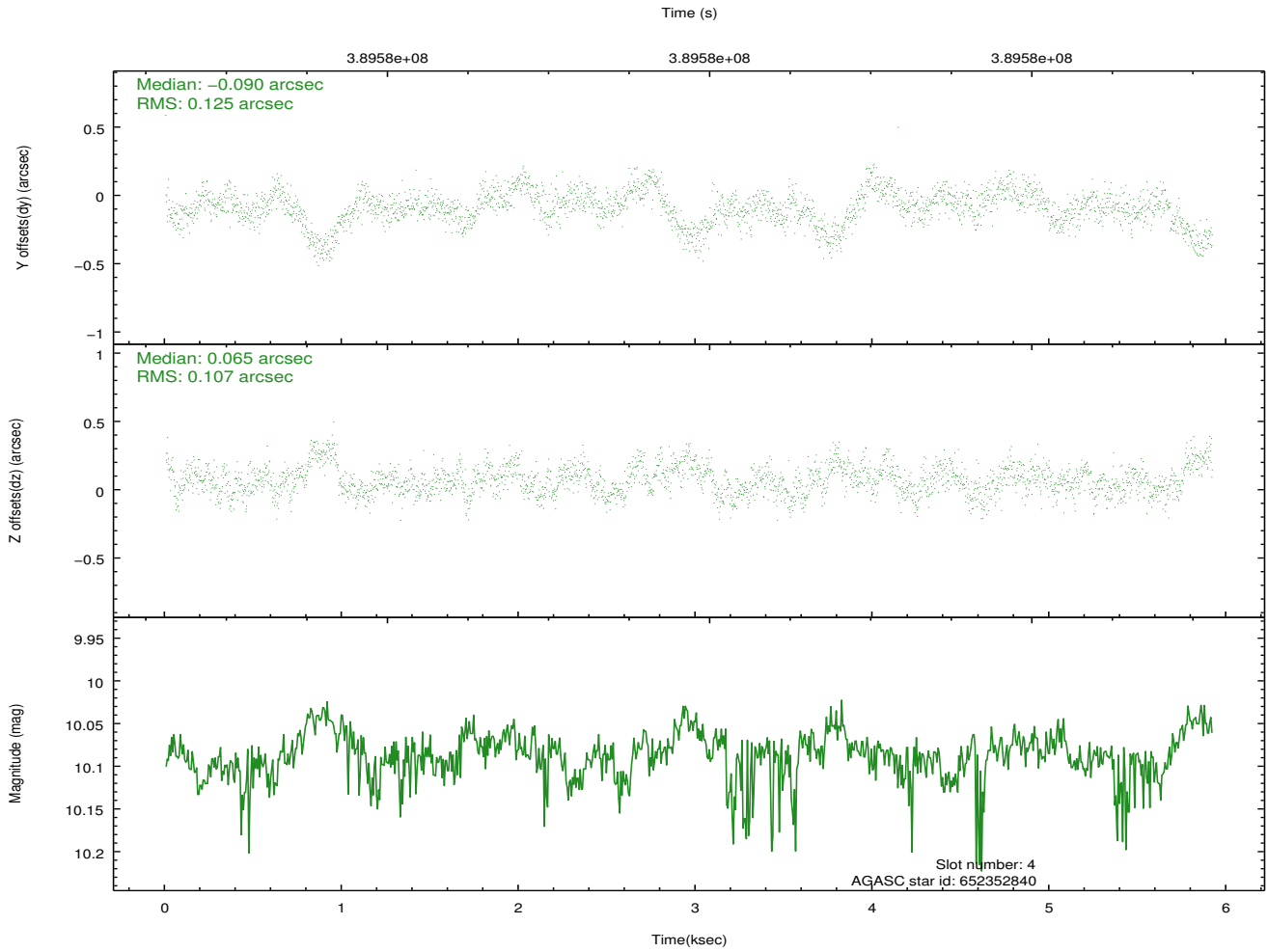
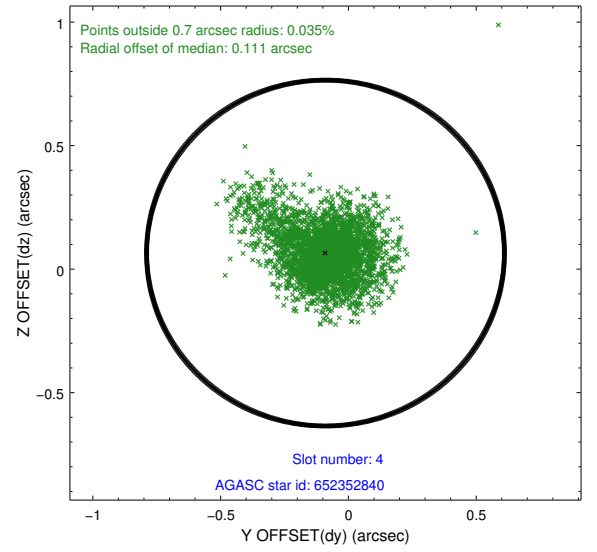
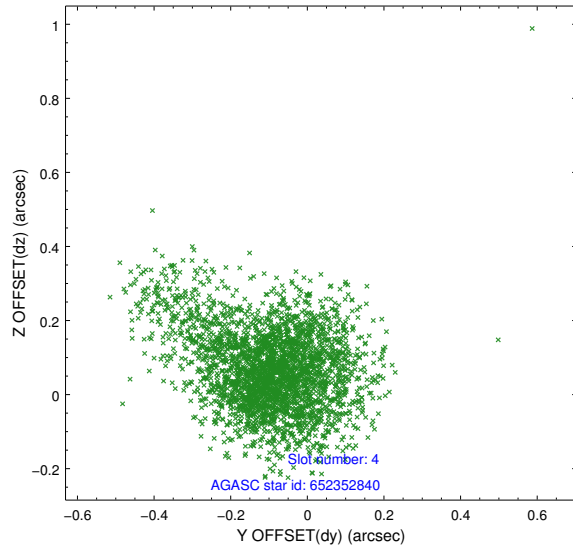
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.92	1444	-0.083	-0.082	0.010	0.017	0.000000	0.000000	-770.31	-846.08
1	FID	ACIS-I-4	6.93	1444	0.146	0.073	0.007	0.013	0.000000	0.000000	2143.49	1059.78
2	FID	ACIS-I-5	6.99	1444	-0.164	0.078	0.009	0.015	0.000000	0.000000	-1822.96	1058.72
3	GUIDE	652351968	9.76	2879	0.049	0.144	0.137	0.219	217.366565	-2.169776	-1618.35	-462.20
4	GUIDE	652352840	10.09	2877	-0.090	0.065	0.167	0.297	216.667974	-2.301106	863.23	-1076.79
5	GUIDE	652740048	9.17	2885	0.090	-0.124	0.093	0.143	216.807916	-2.690840	988.76	407.55
6	GUIDE	652741536	8.38	2884	-0.212	0.038	0.093	0.152	216.950009	-3.079765	1104.34	1894.75
7	GUIDE	652741808	9.57	2880	0.178	-0.126	0.119	0.194	217.243448	-2.566828	-621.95	653.56

2.4 Star Slots

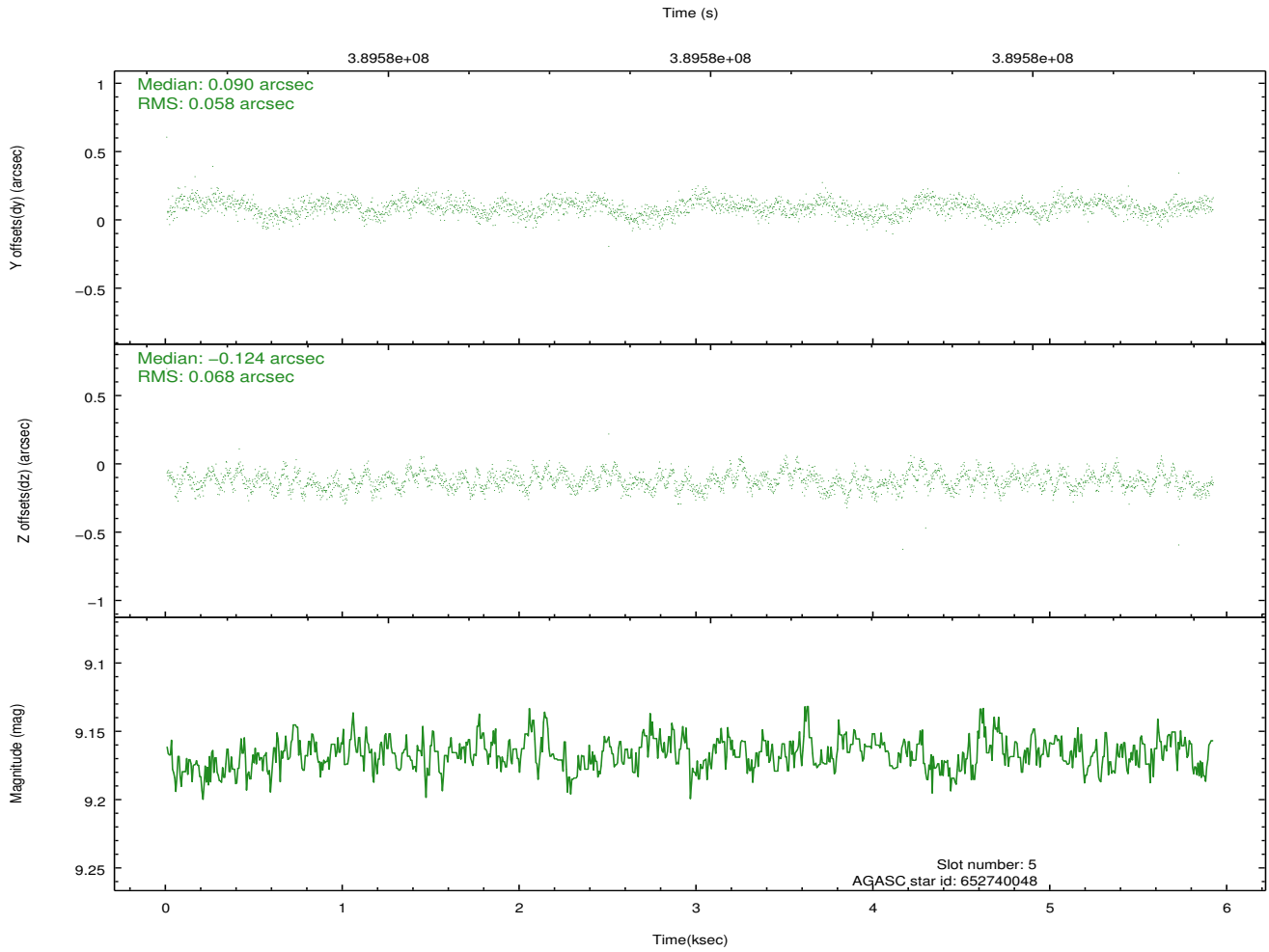
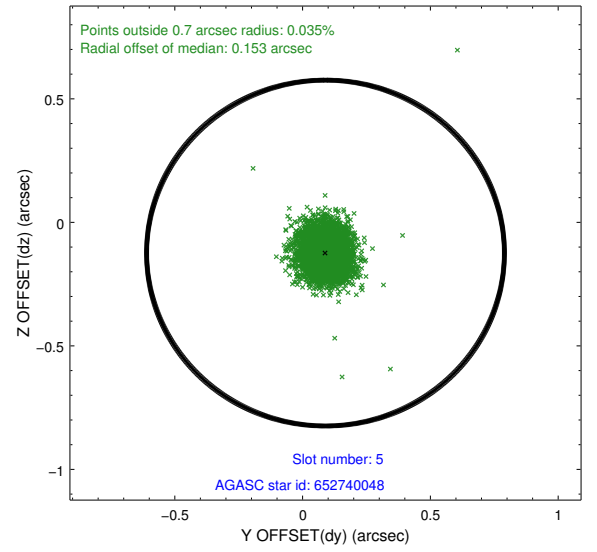
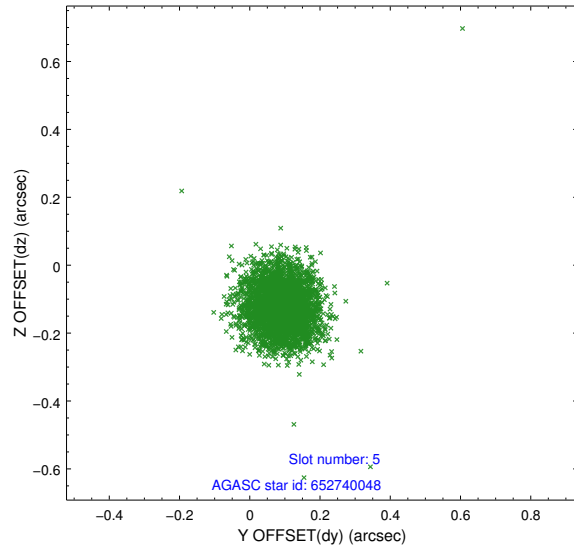
2.4.1 Slot 3



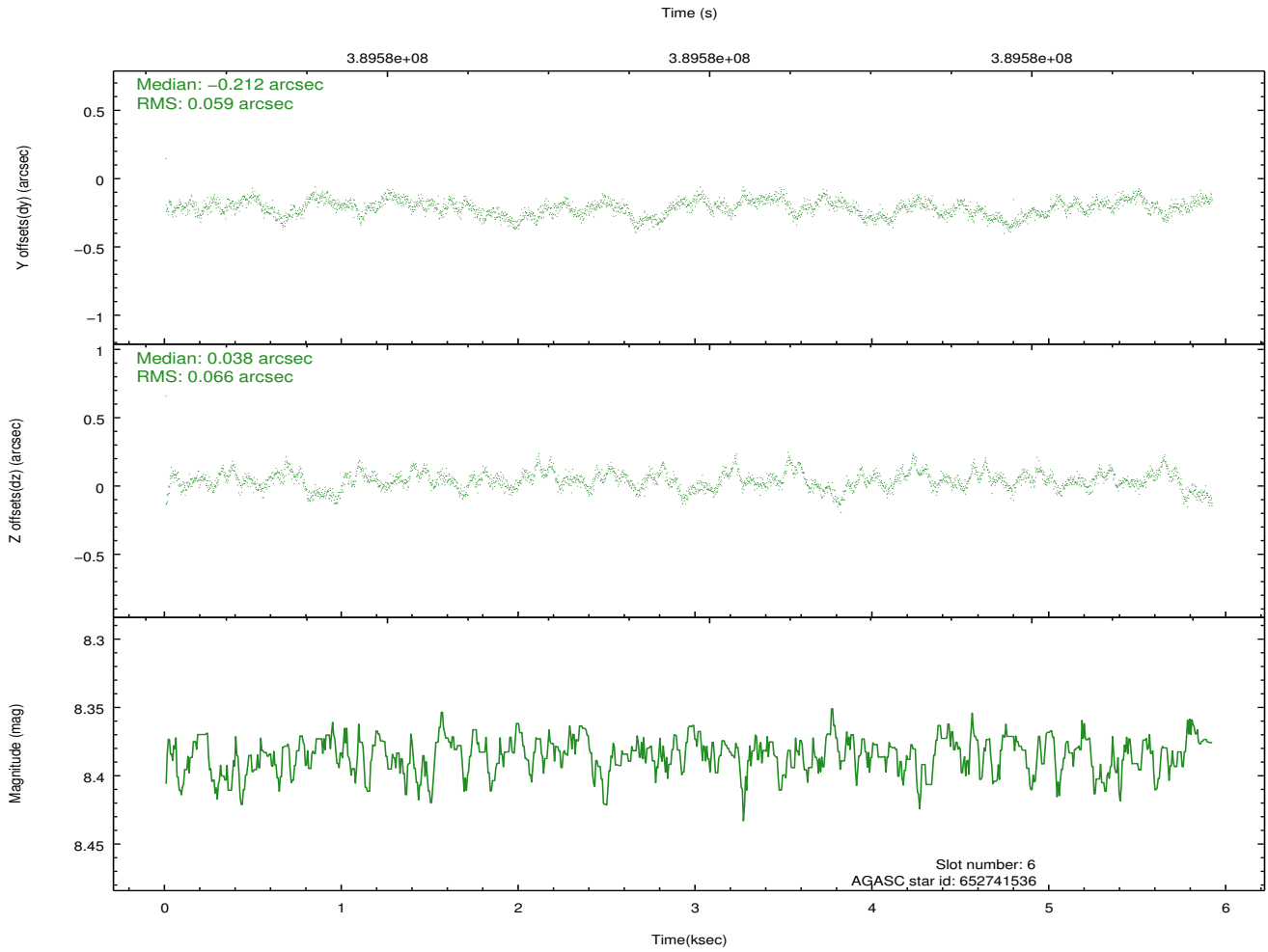
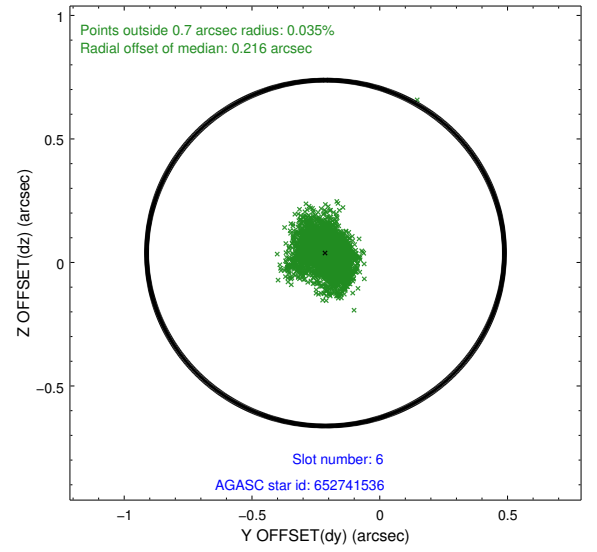
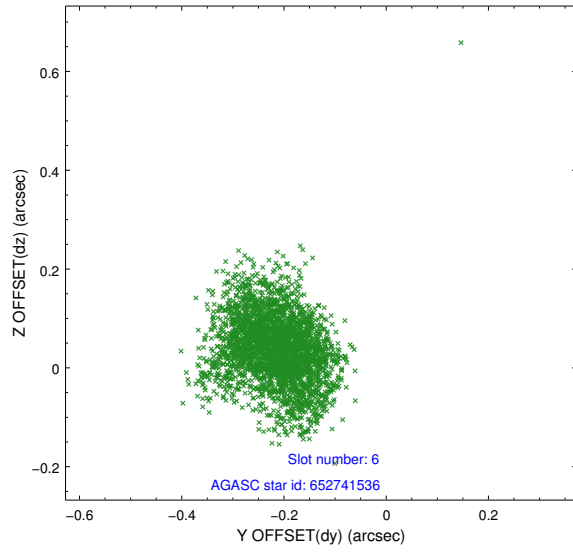
2.4.2 Slot 4



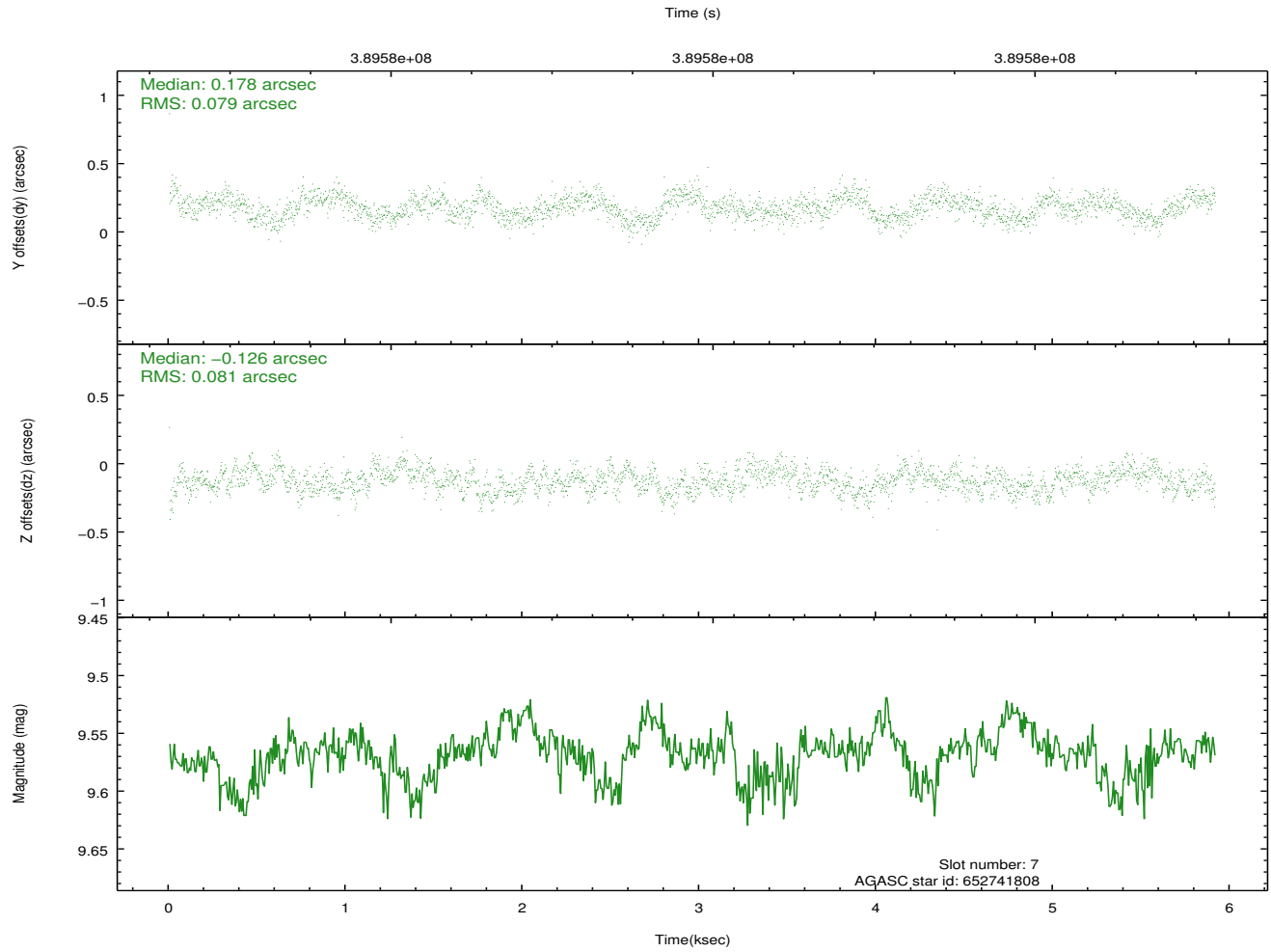
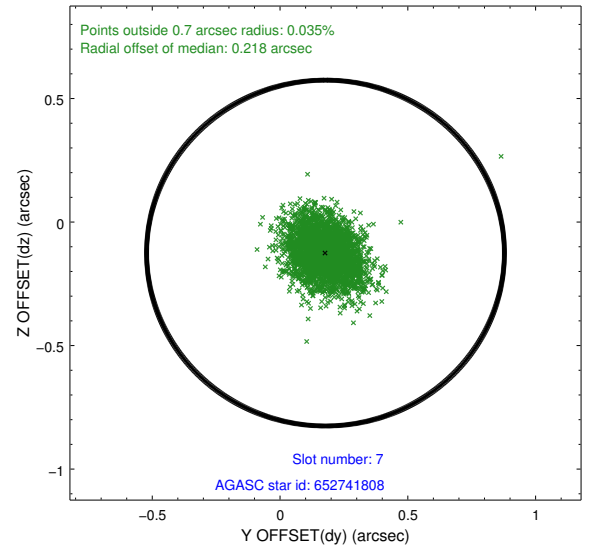
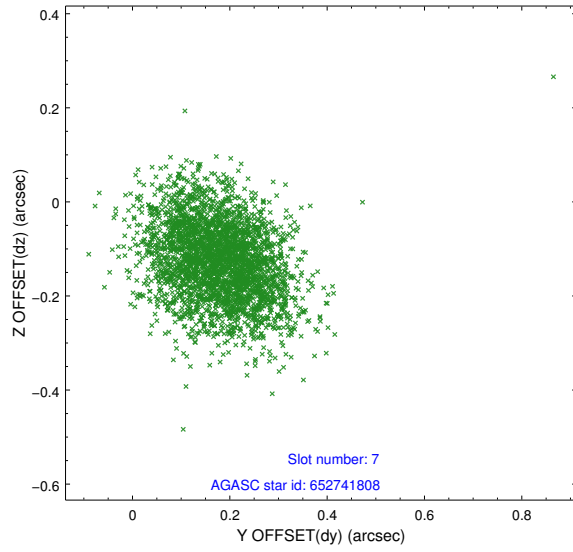
2.4.3 Slot 5



2.4.4 Slot 6

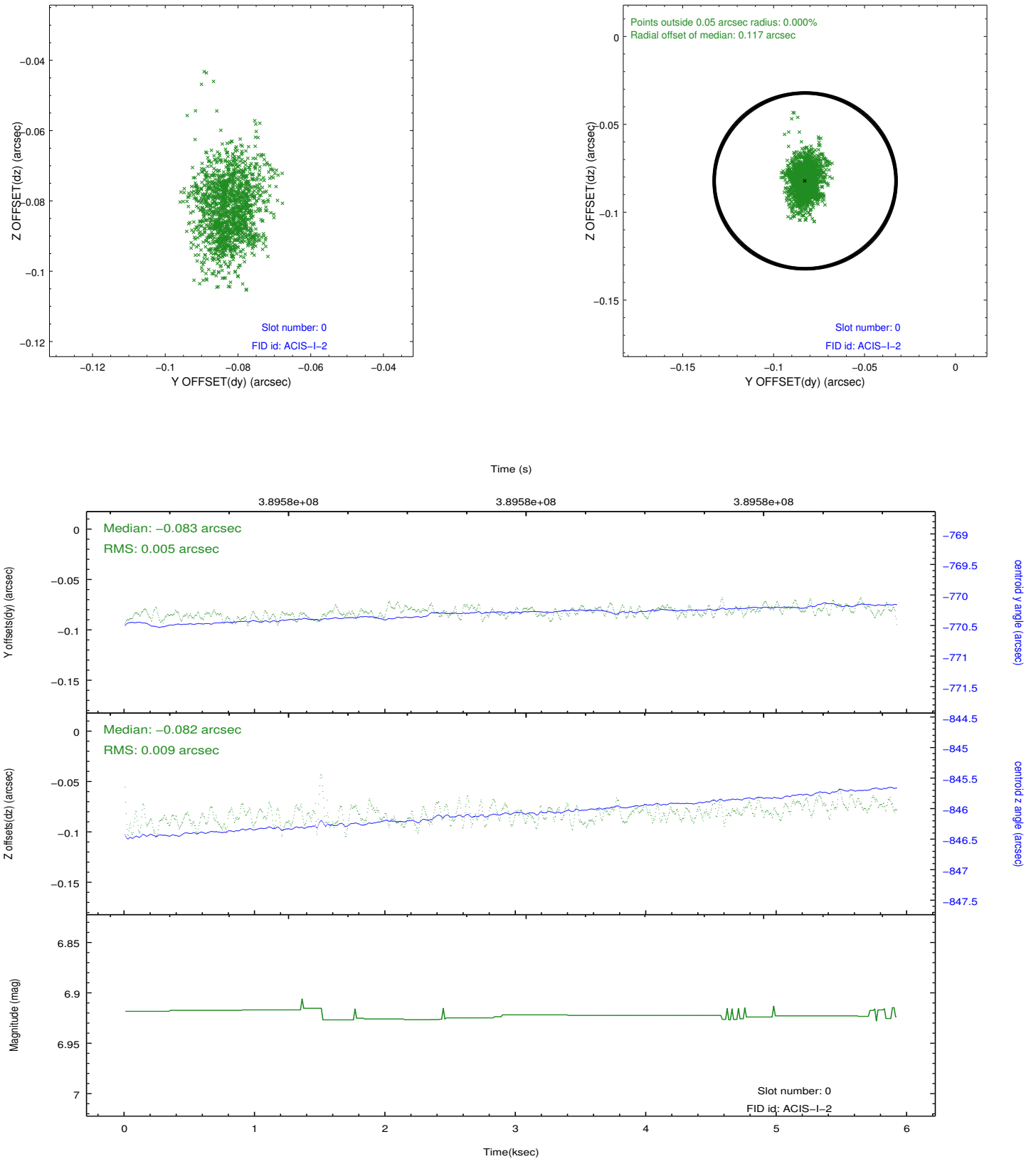


2.4.5 Slot 7

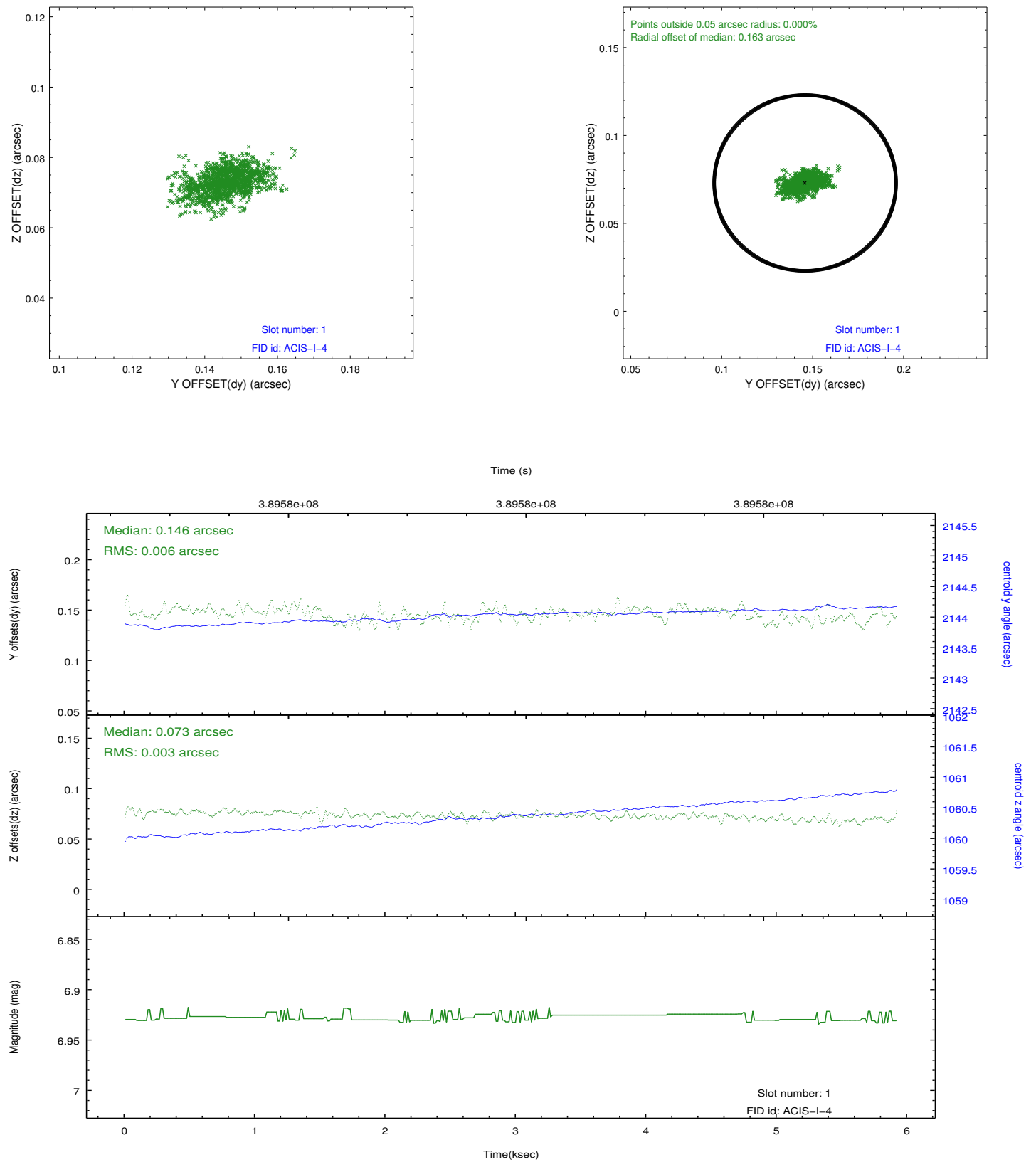


2.5 FID Slots

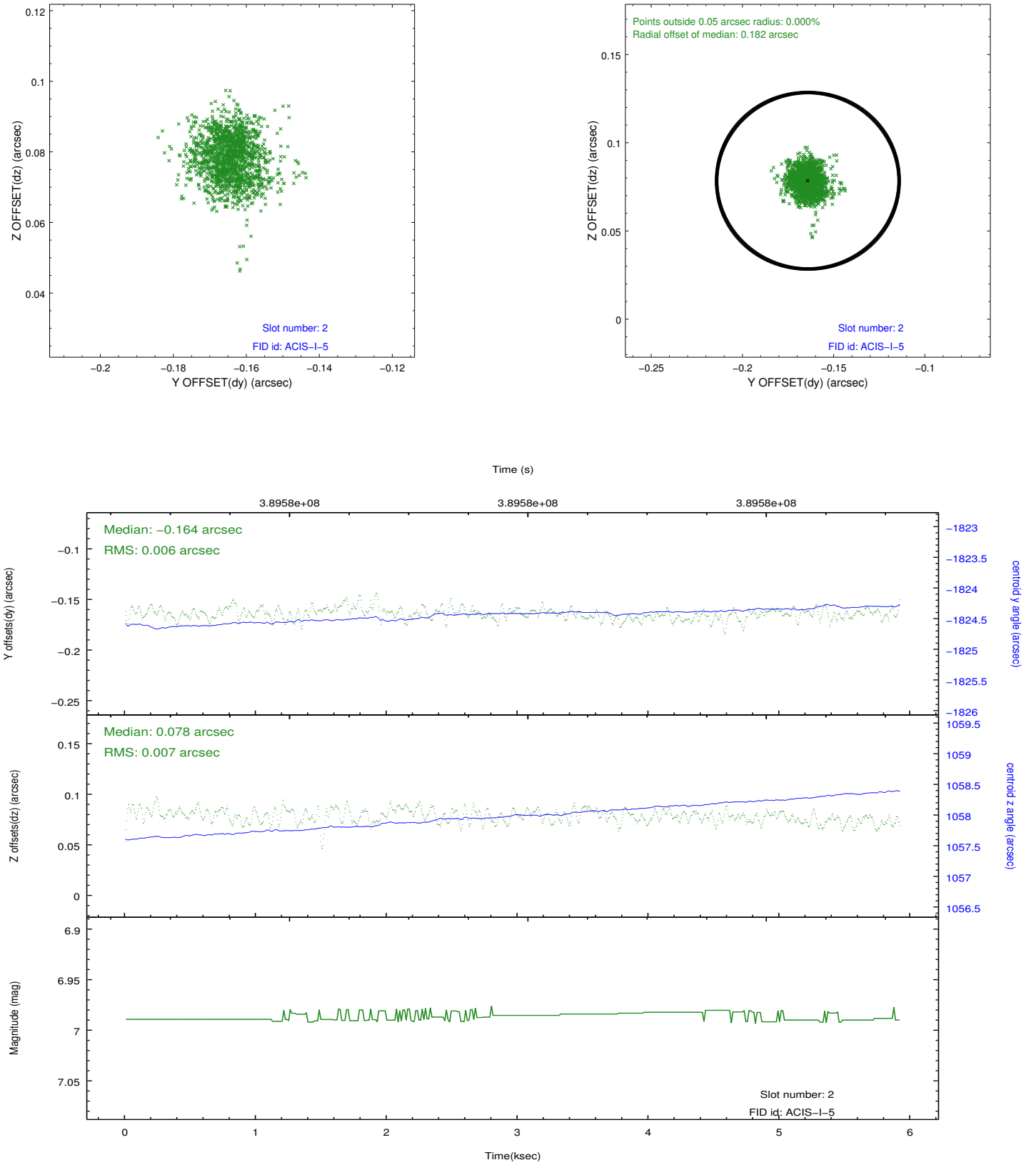
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0614190765619

A.2 Comments