

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6875 - L2 Version 2
Chandra X-Ray Center

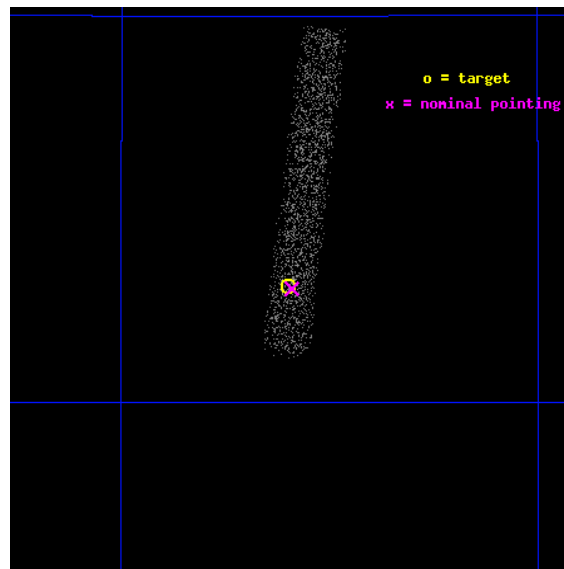
L2 Processing Date : Apr 3 2012

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

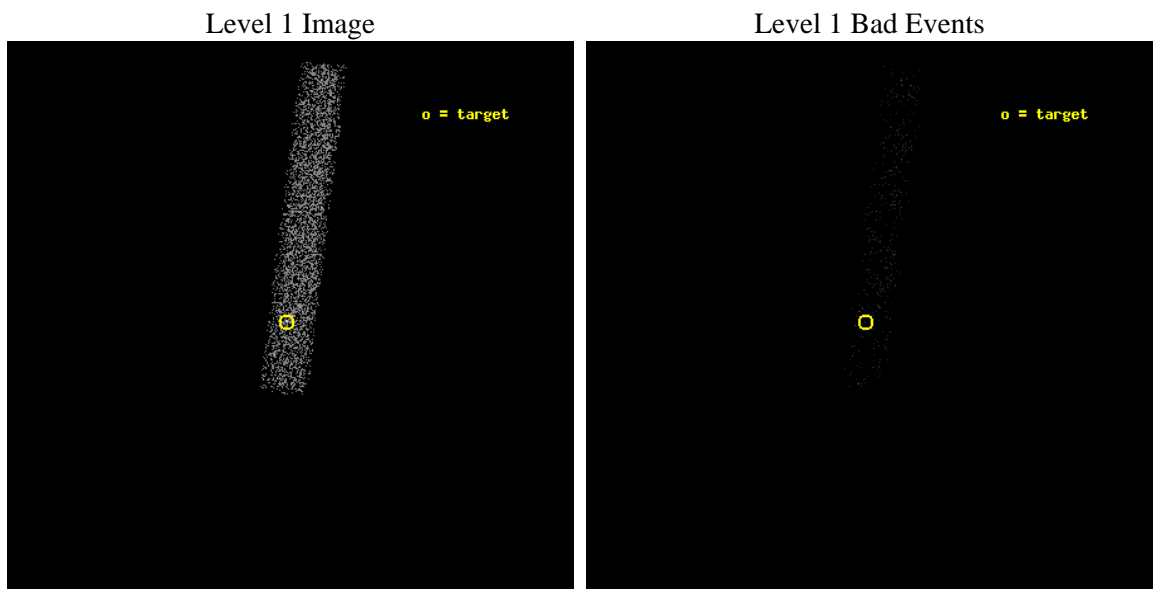
seq_num	701293	Sequence number
obs_id	6875	Observation id
title	Alpha Element Enrichment in Damped Lyman Alpha Absorbers: Survey for New Targets	Proposal title
observer	Dr. Jill Bechtold	Principal investigator
object	Q0948+4323	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	147.149583	Observer's specified target RA [deg]
dec_targ	43.383889	Observer's specified target Dec [deg]
ra_nom	147.14761025566	Nominal RA [deg]
dec_nom	43.382455274825	Nominal Dec [deg]
roll_nom	277.06936839352	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3182.4000473917	Sum of GTIs [s]
livetime	2886.2688621365	Livetime [s]
ontime7	3182.4000473917	Sum of GTIs [s]
l2events	2449	Number of level 2 events



2 OBI

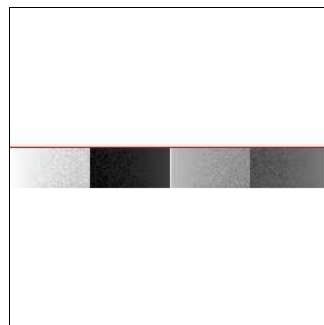
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3182.4000473917	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	3182.4000473917	Sum of GTIs [s]
date	2012-04-04T00:24:56	Date and time of file creation	l1events	6626	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

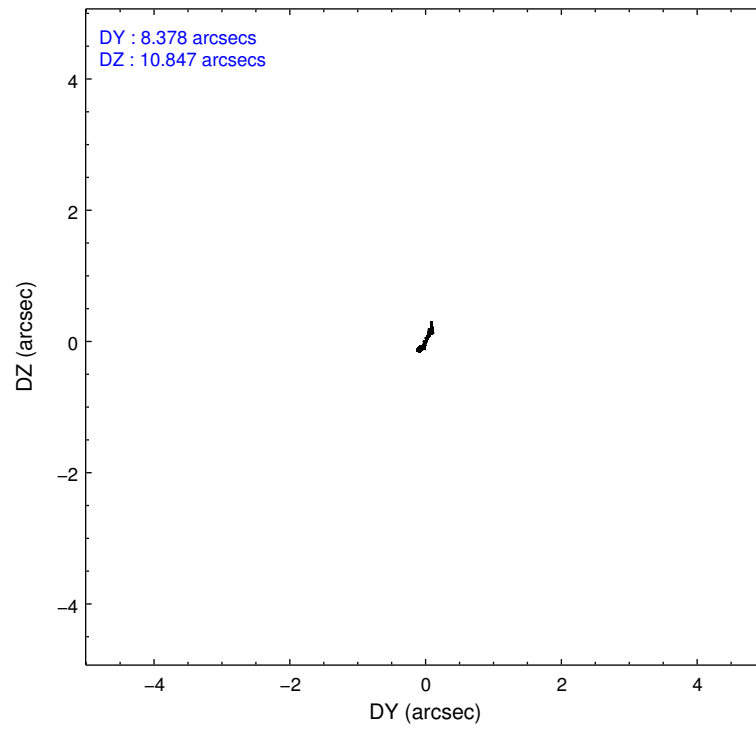
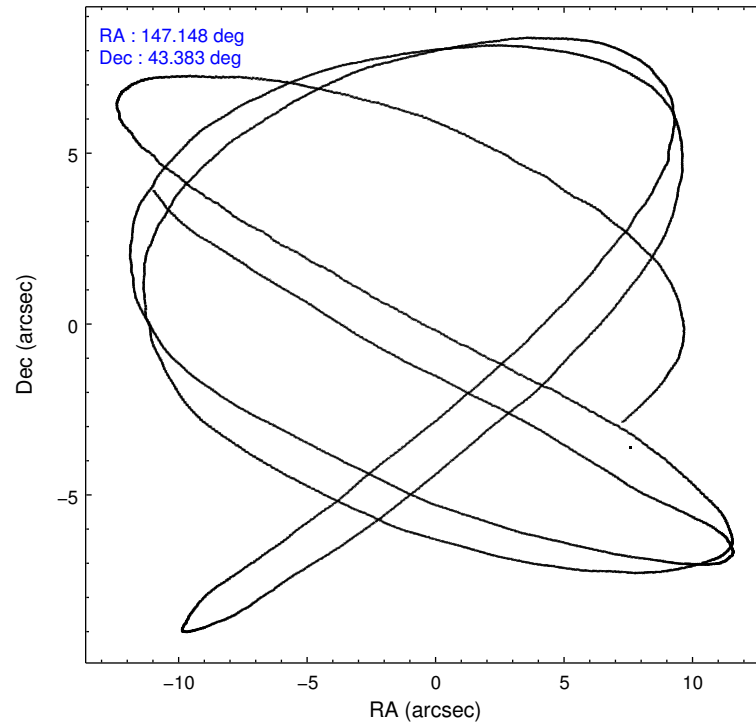
	ccd 7
level 1 events	6626
rejected events	4093
rejected %	61%

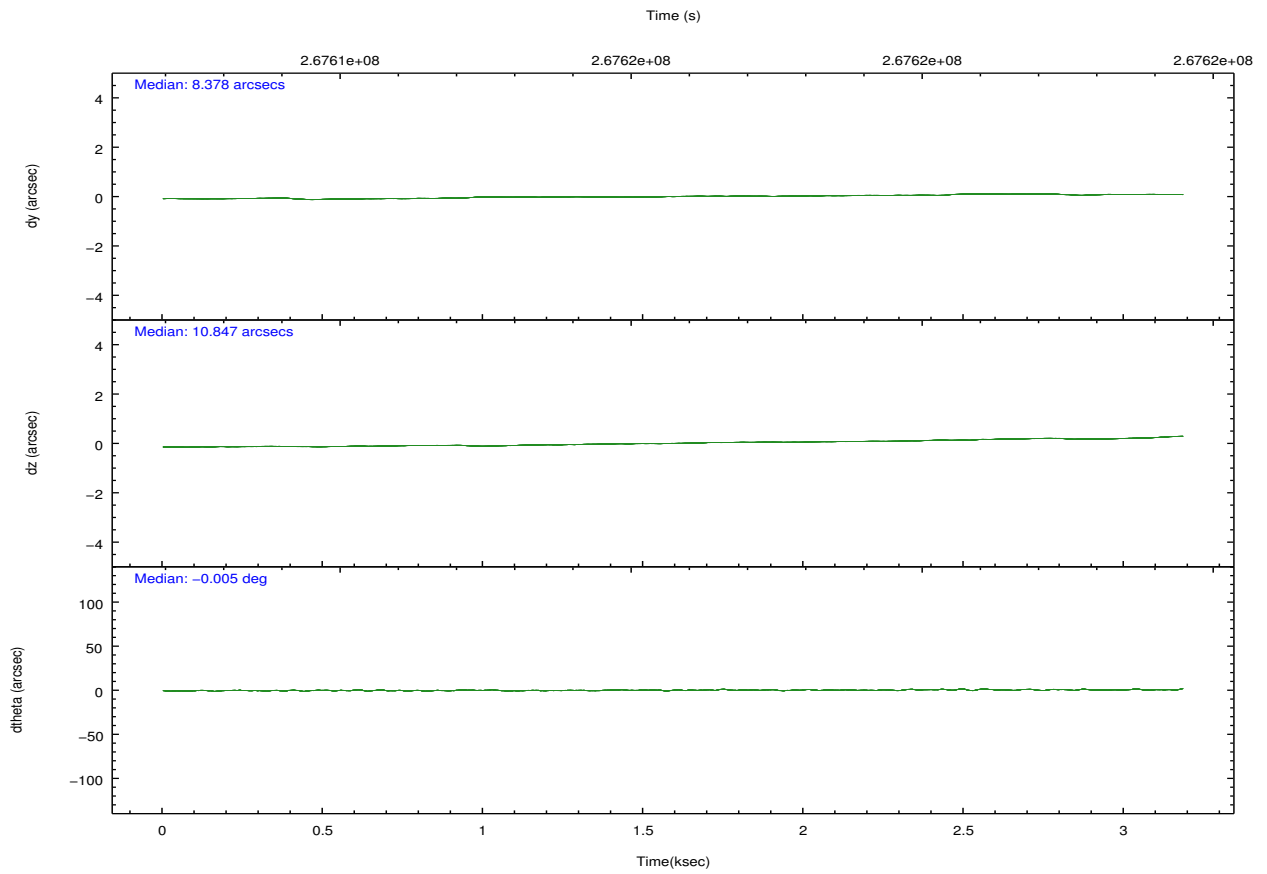
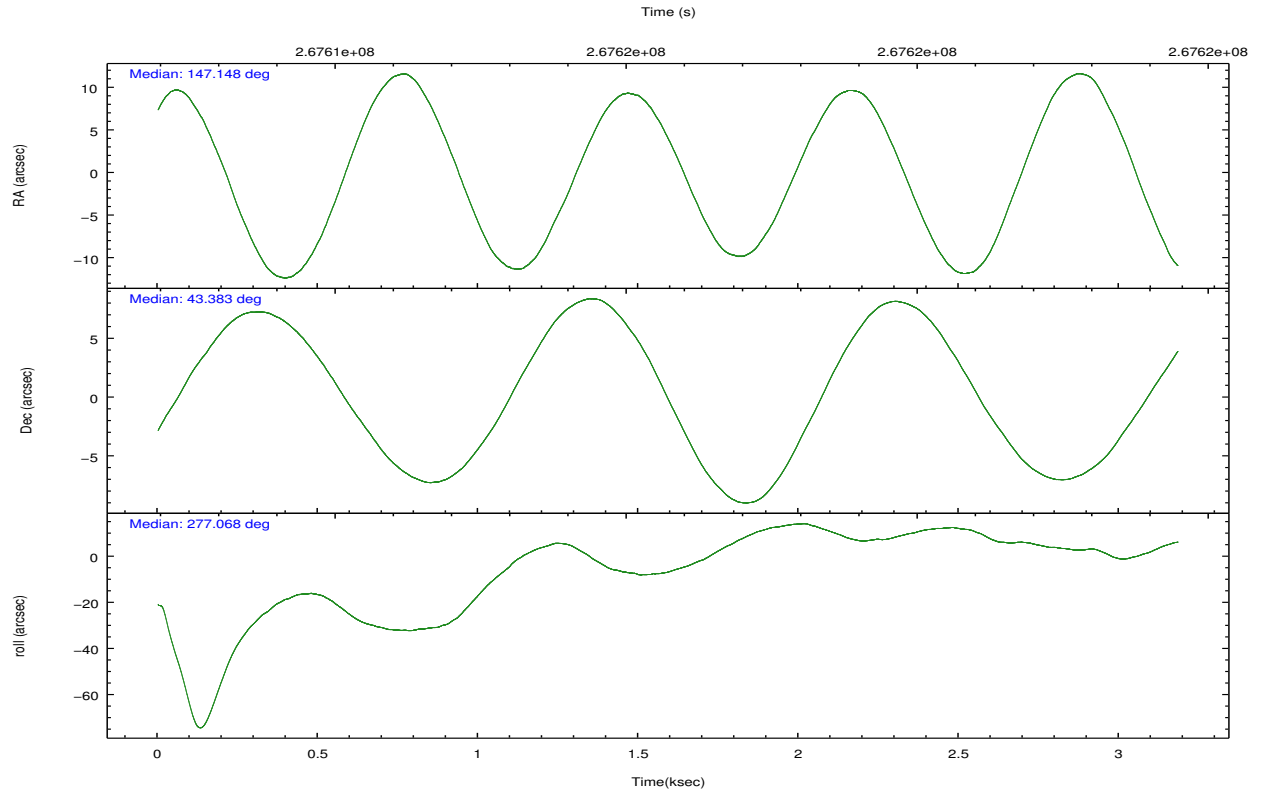
	ccd 7
grade 0 events	318
	4%
grade 1 events	10
	0%
grade 2 events	627
	9%
grade 3 events	395
	5%
grade 4 events	409
	6%
grade 5 events	614
	9%
grade 6 events	1403
	21%
grade 7 events	2850
	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	147.124522	147.1476102556575	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	43.403951	43.38245527482451	Subarray start row	449	449
[deg] Pointing Roll	276.928582	277.0693683935168	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	267613738.184000	267612721.99627			
Observation start date	2006-06-25T09:07:53	2006-06-25T08:52:01			
[s] Observation end time (MET)	267616738.184000	267617127.44648			
Observation end date	2006-06-25T09:57:53	2006-06-25T10:05:27			
Read mode	TIMED	TIMED			

2.3 Aspect



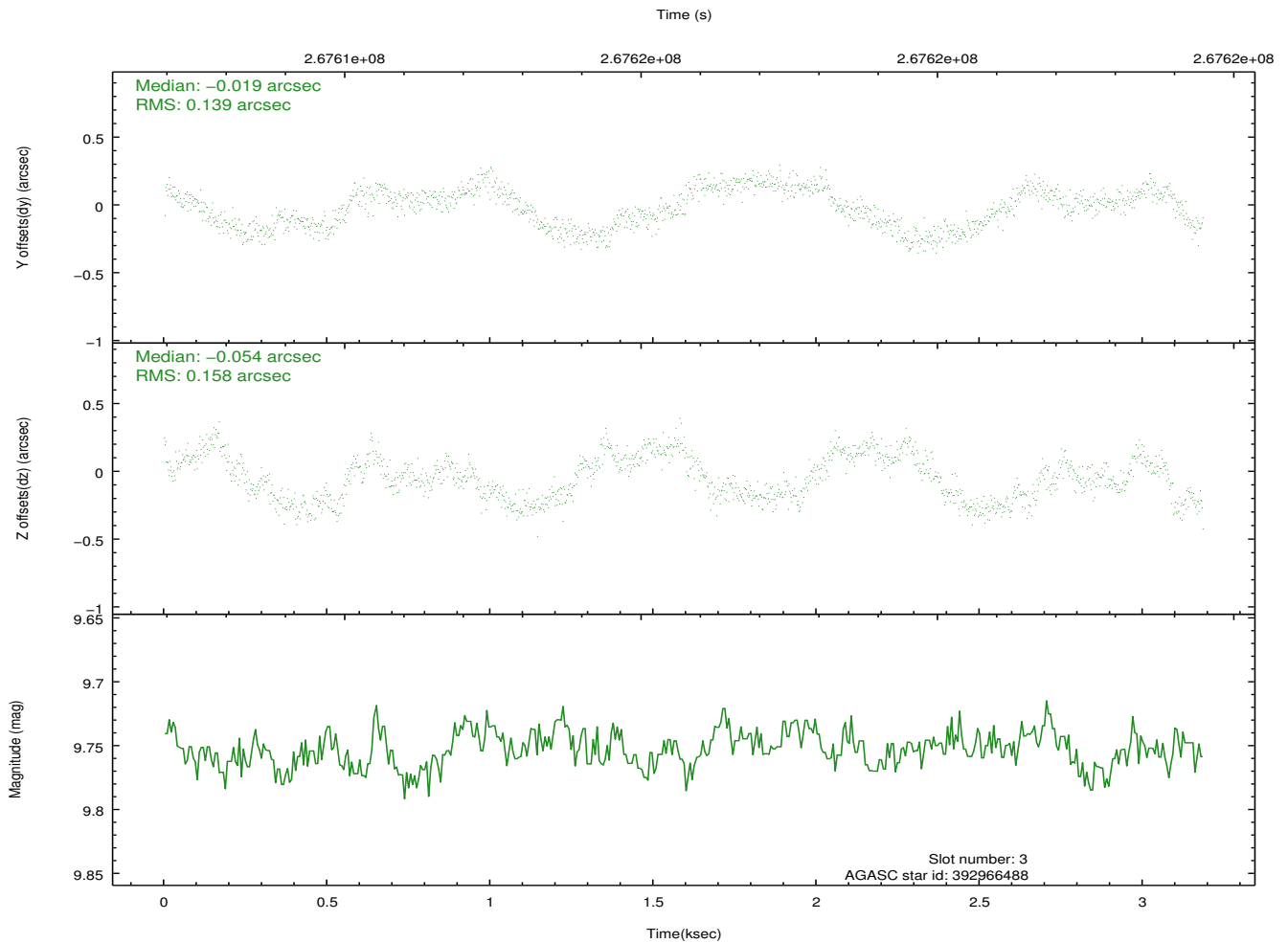
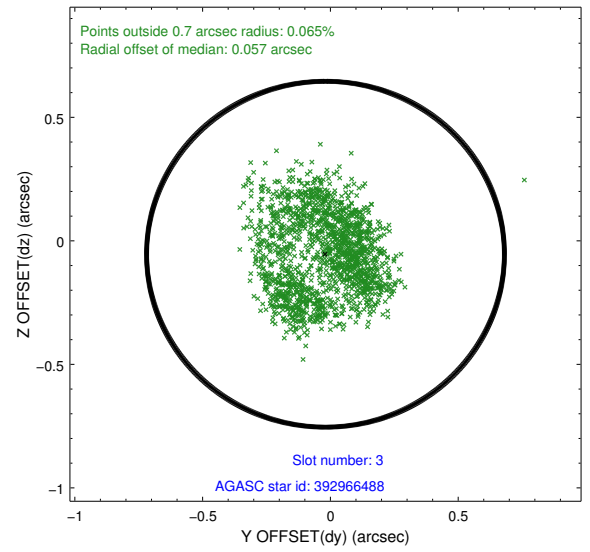
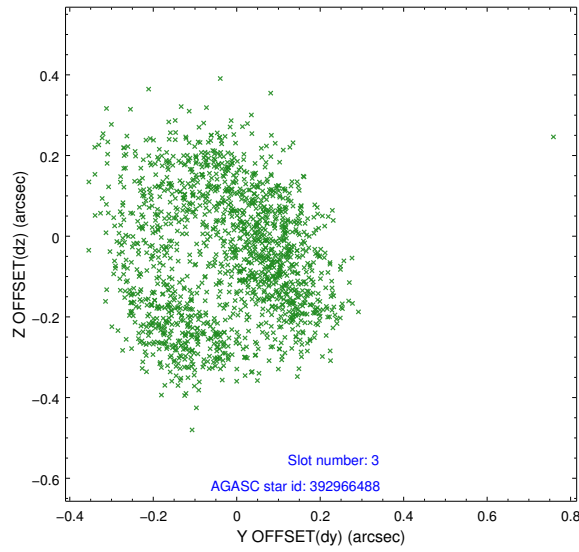


Slot Statistics

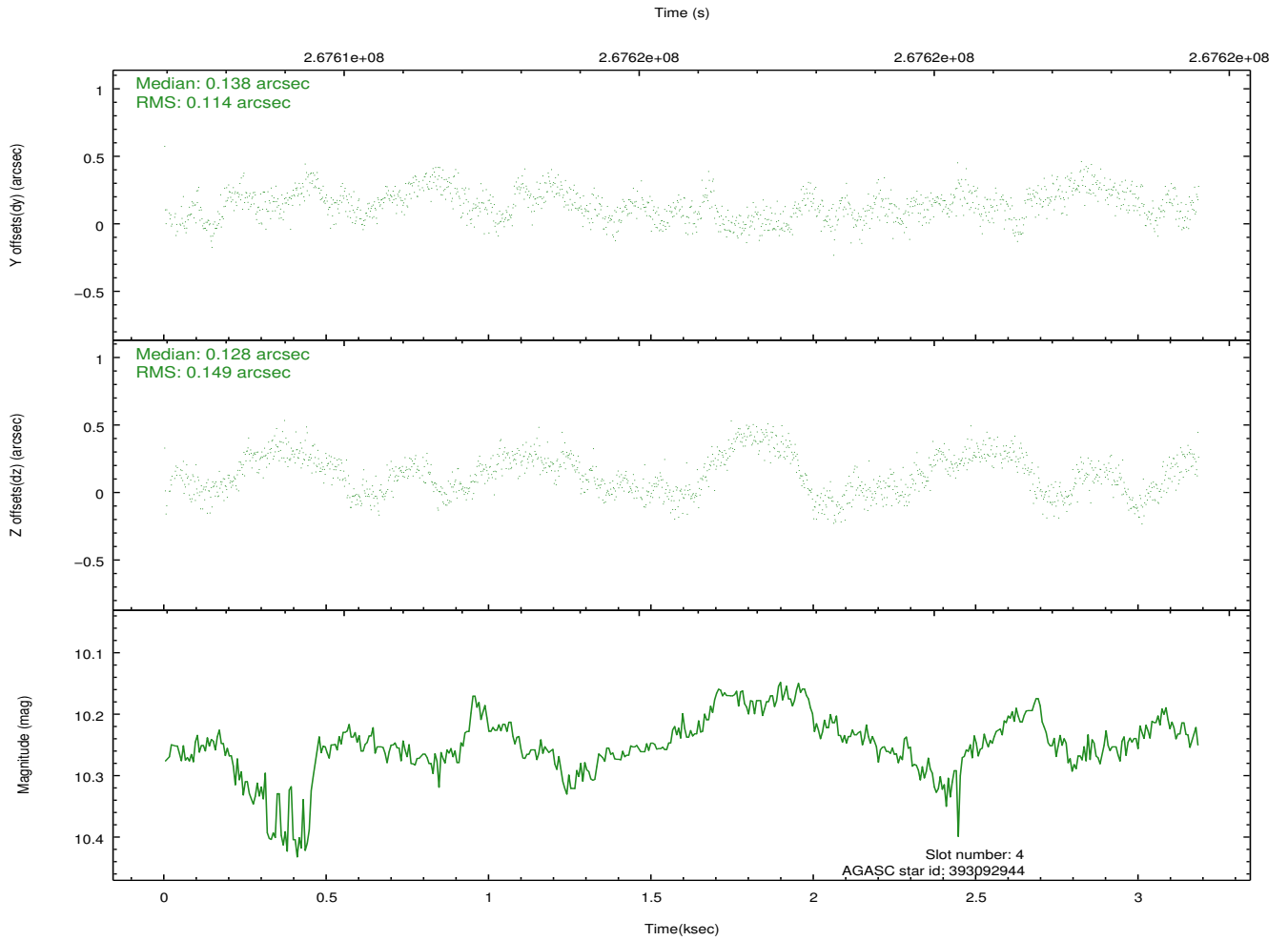
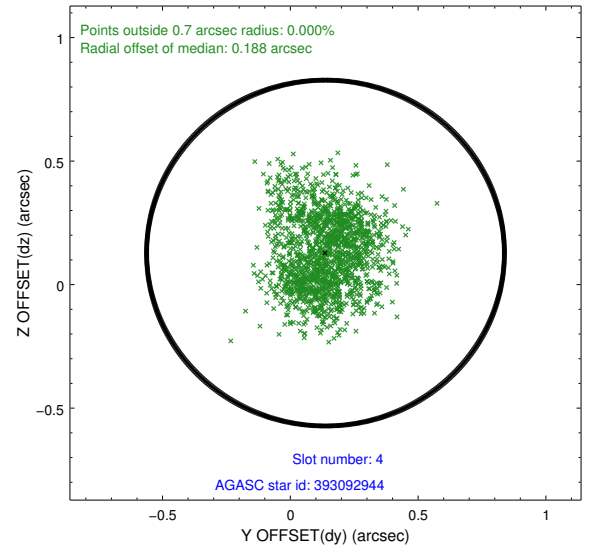
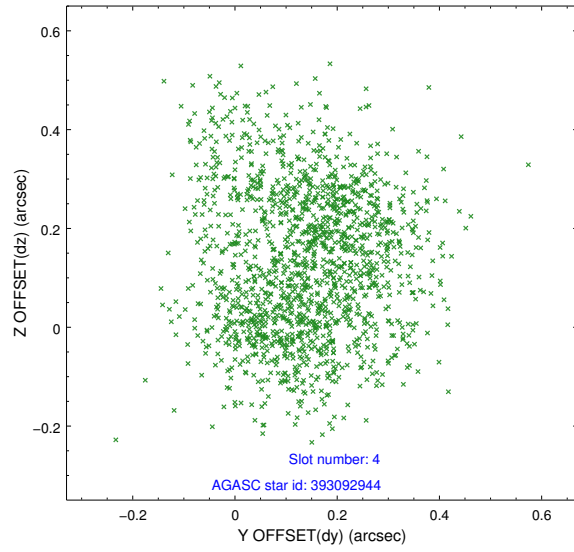
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	777	-0.038	-0.014	0.007	0.011	0.000000	0.000000	-761.17	-1732.11
1	FID	ACIS-S-4	7.21	777	0.130	0.022	0.006	0.010	0.000000	0.000000	2151.33	174.40
2	FID	ACIS-S-5	7.23	777	-0.124	0.001	0.007	0.012	0.000000	0.000000	-1811.57	170.24
3	GUIDE	392966488	9.75	1550	-0.019	-0.054	0.234	0.321	146.542651	43.475515	-443.87	-1477.44
4	GUIDE	393092944	10.25	1533	0.138	0.128	0.200	0.318	147.947140	42.885130	2105.56	1929.24
5	GUIDE	393094296	9.22	1552	0.075	0.100	0.092	0.150	147.534157	43.567977	-458.13	1133.38
6	GUIDE	393095320	8.20	1552	-0.087	-0.035	0.087	0.132	147.186023	43.665444	-915.13	272.97
7	GUIDE	393095576	7.73	1552	-0.099	-0.140	0.086	0.134	147.147590	43.536541	-466.90	117.13

2.4 Star Slots

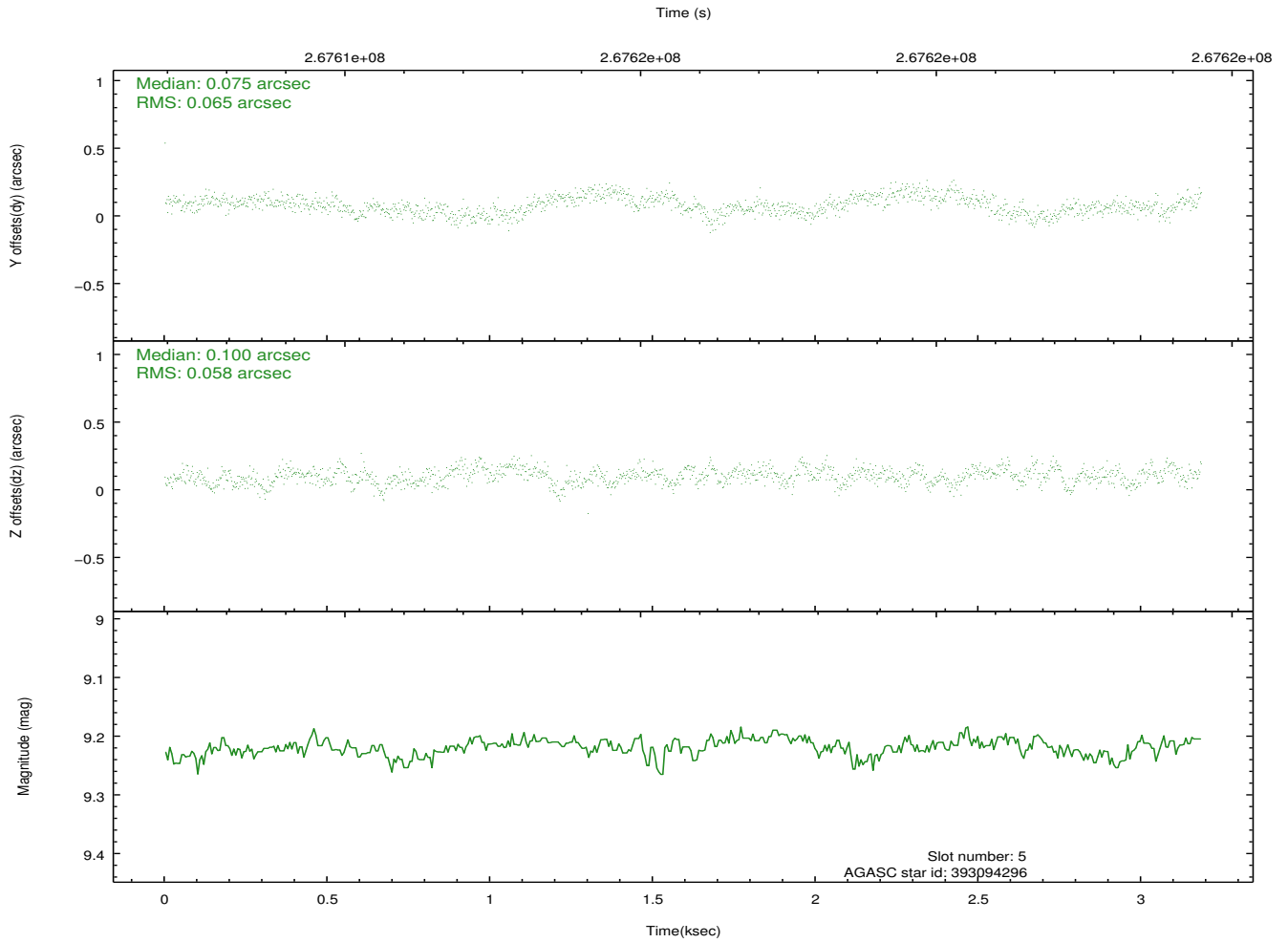
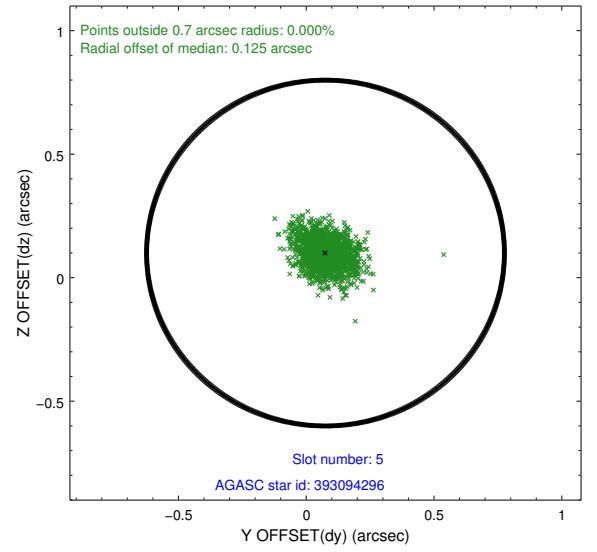
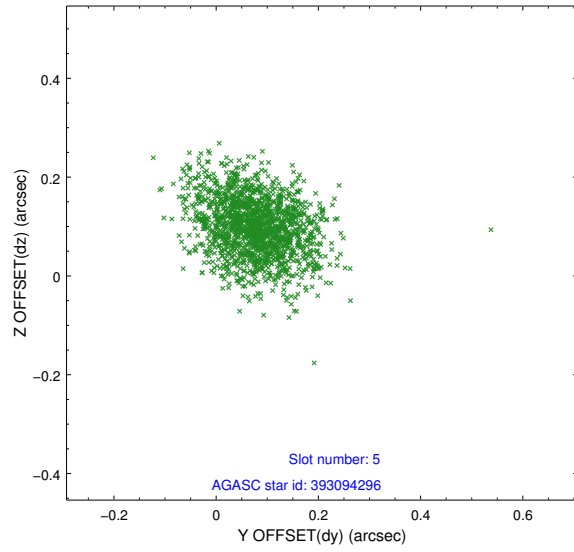
2.4.1 Slot 3



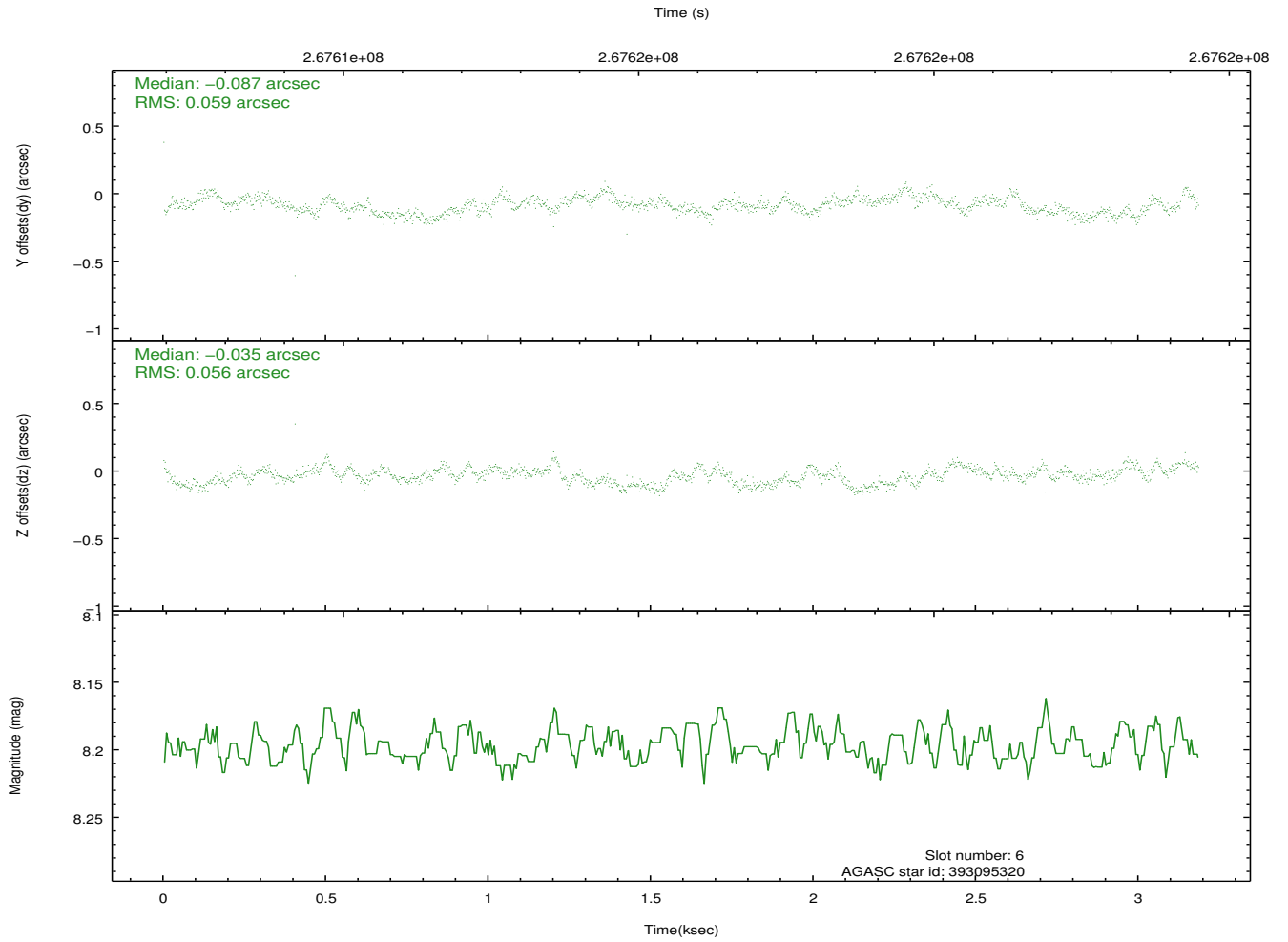
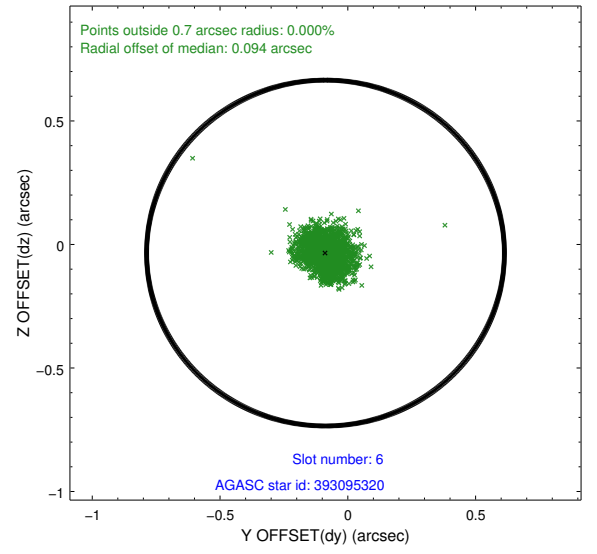
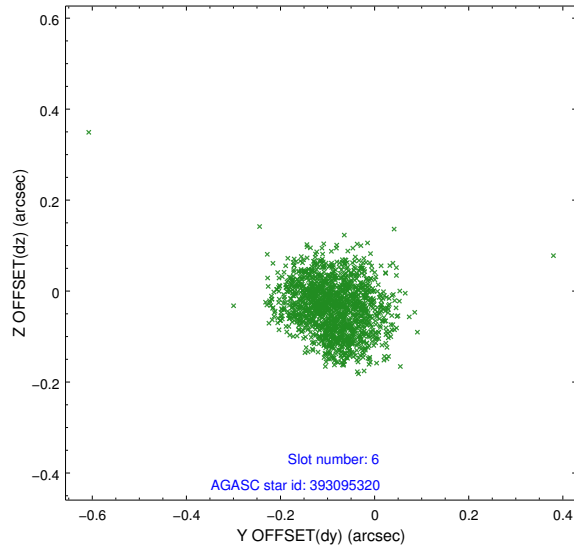
2.4.2 Slot 4



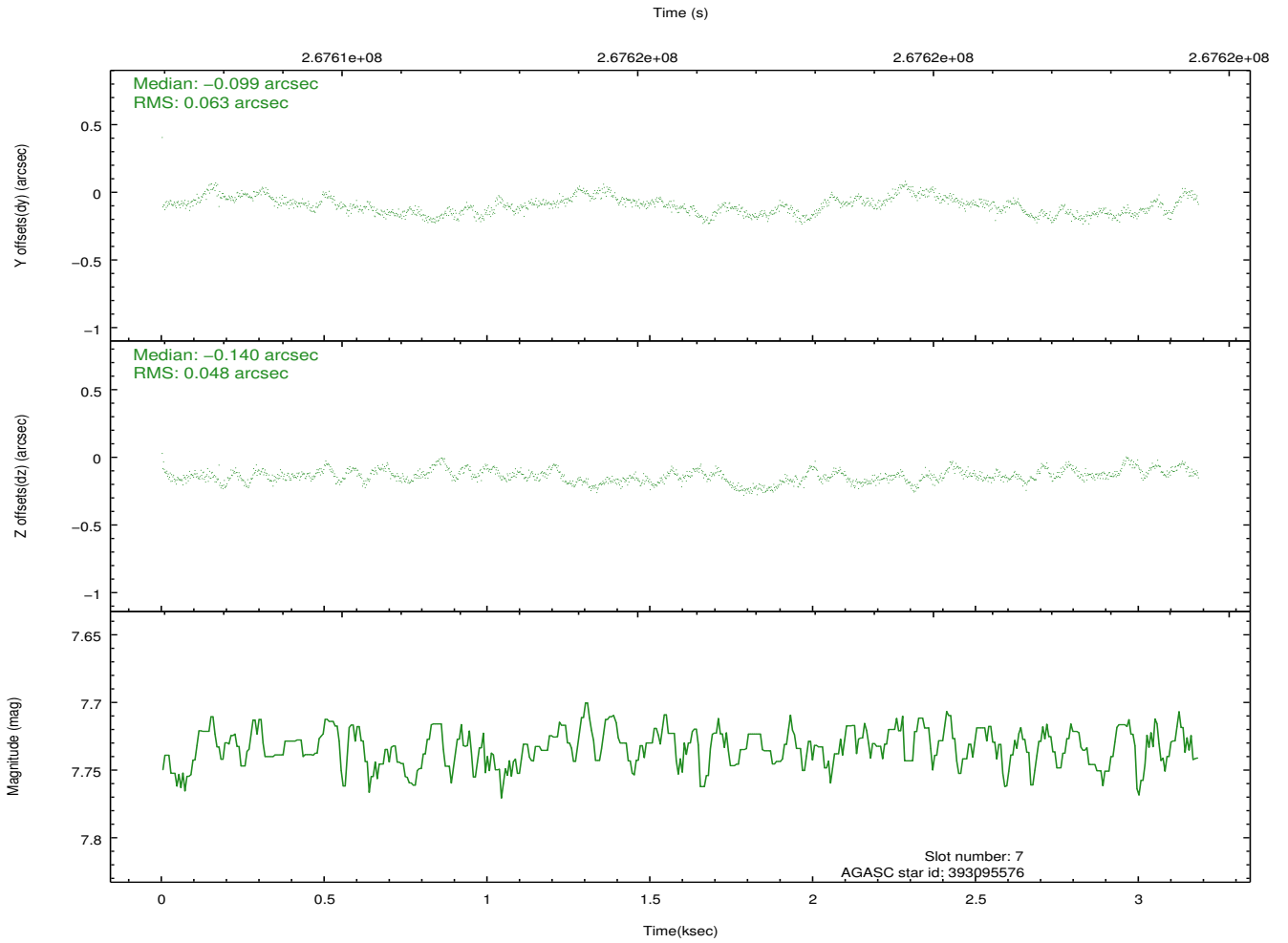
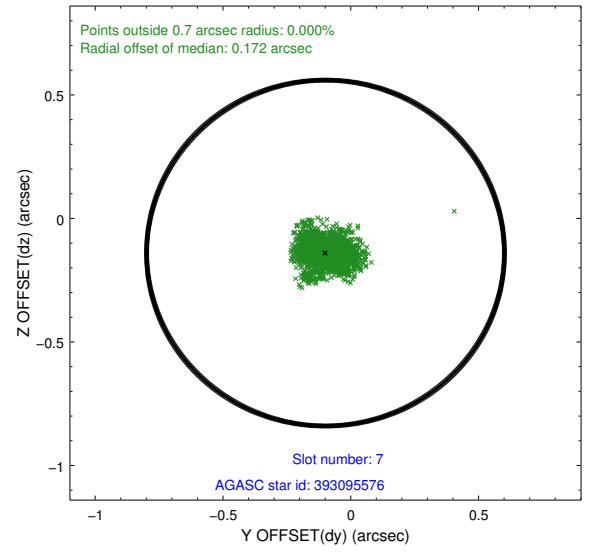
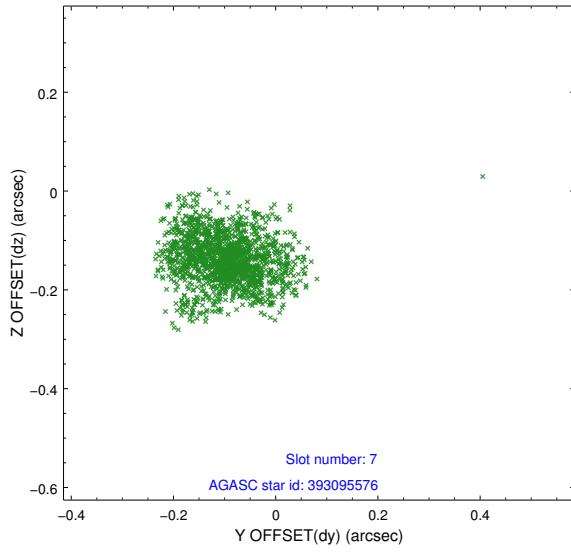
2.4.3 Slot 5



2.4.4 Slot 6

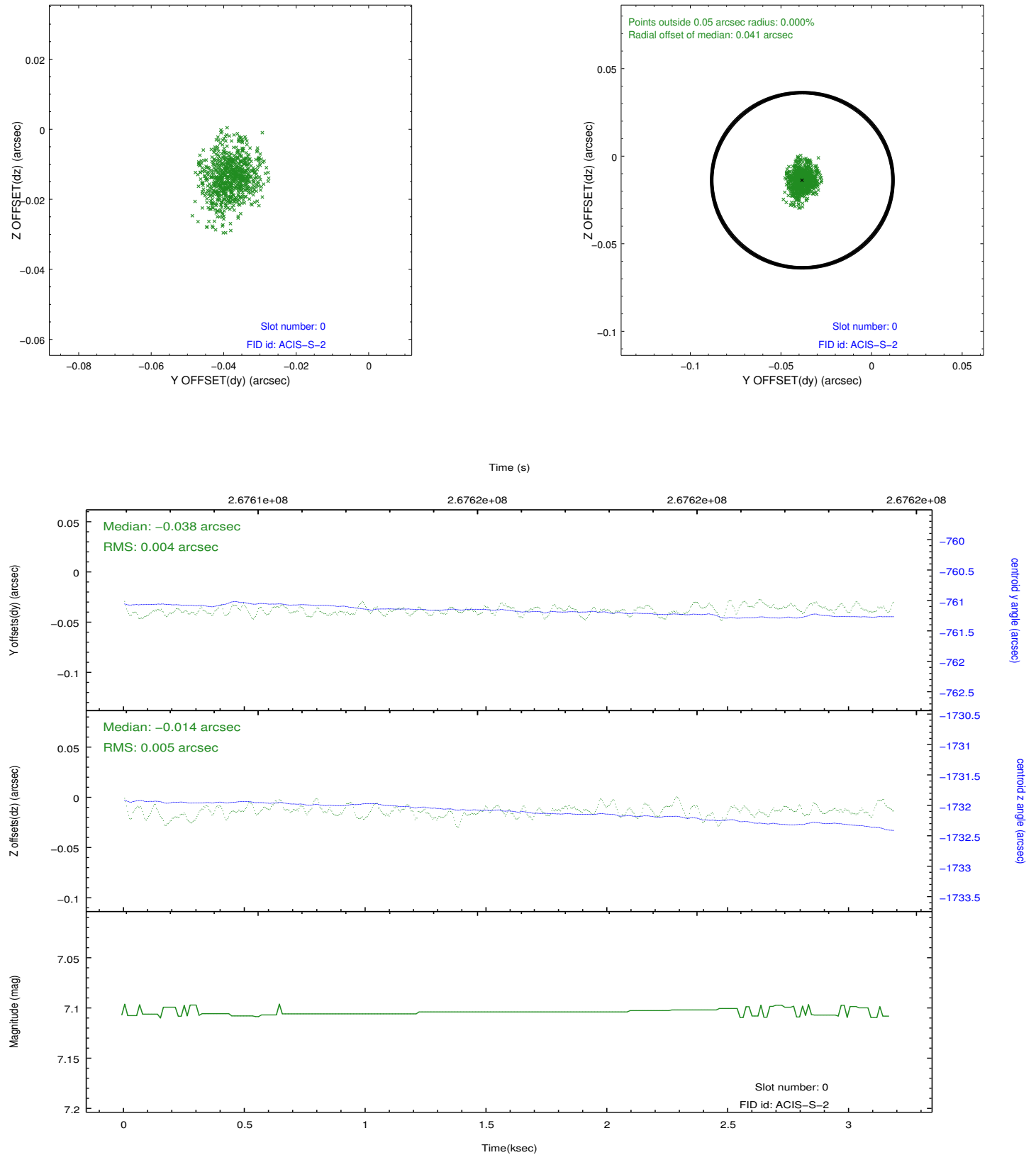


2.4.5 Slot 7

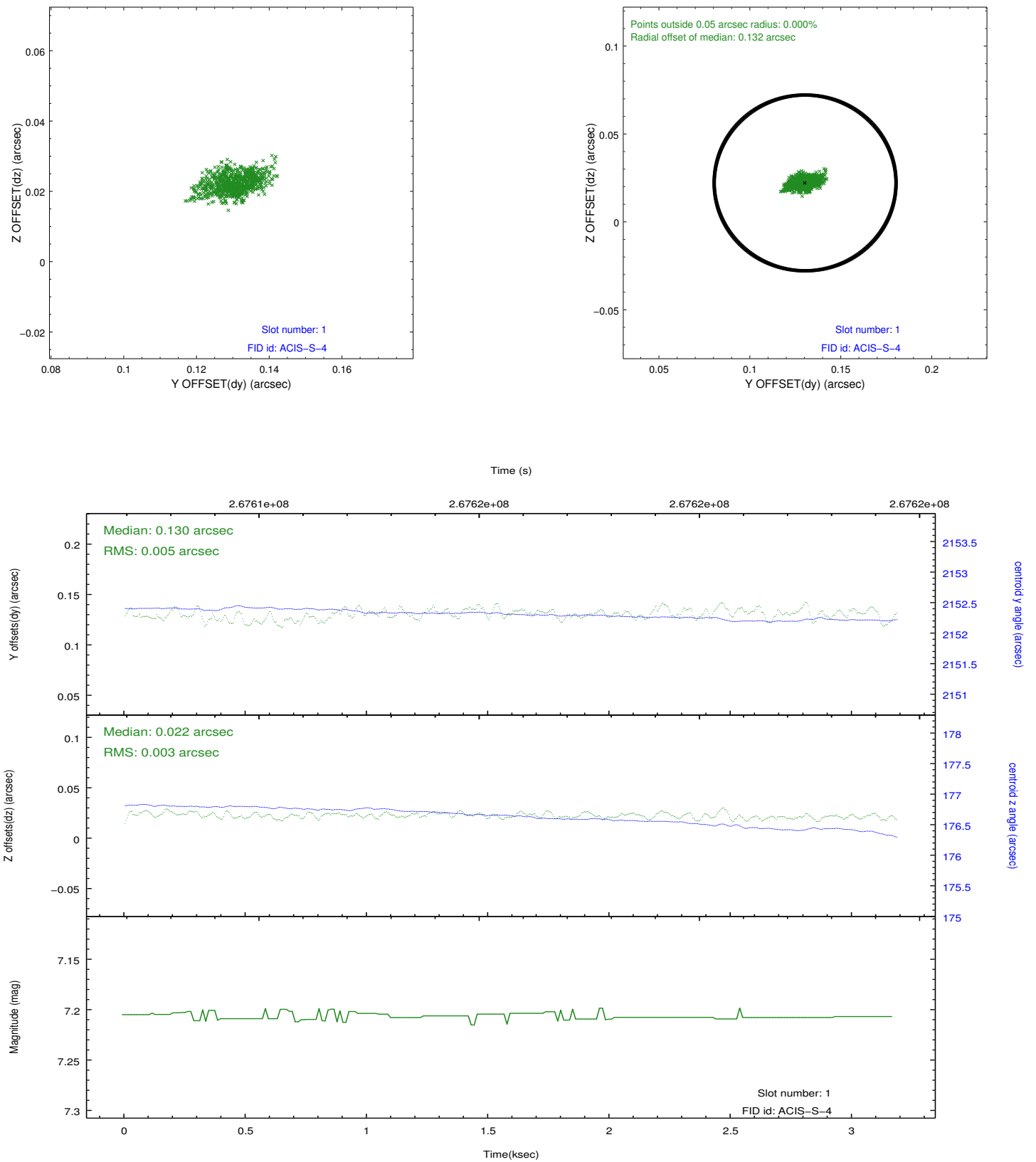


2.5 FID Slots

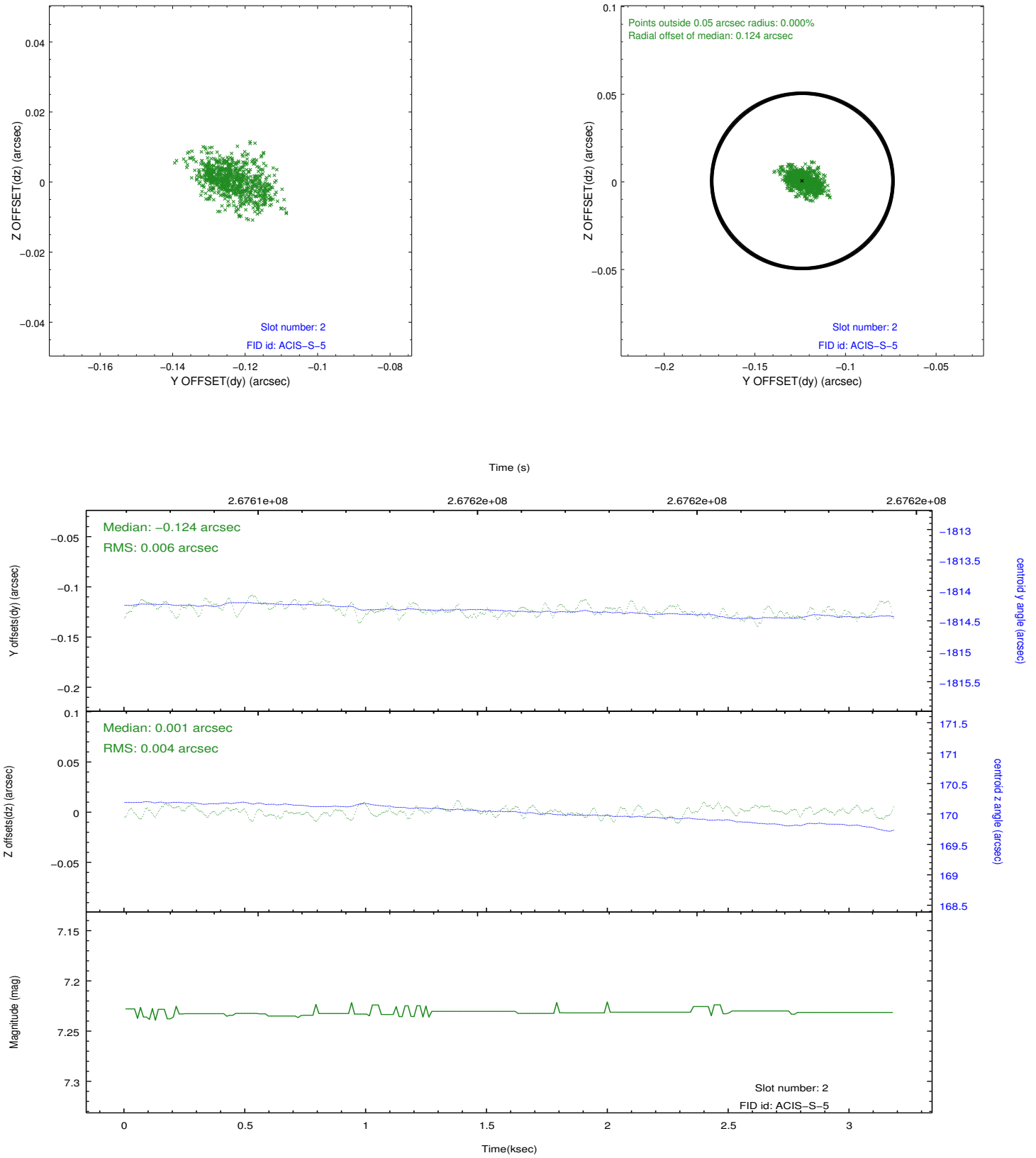
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18240004

A.2 Comments