

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6878 - L2 Version 2
Chandra X-Ray Center

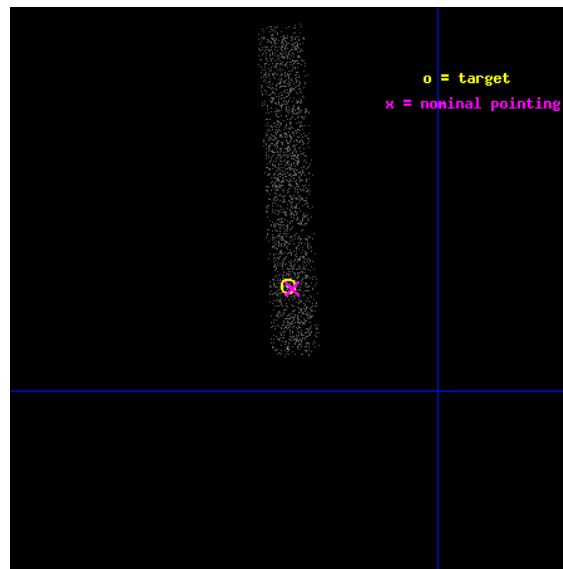
L2 Processing Date : Apr 7 2012

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

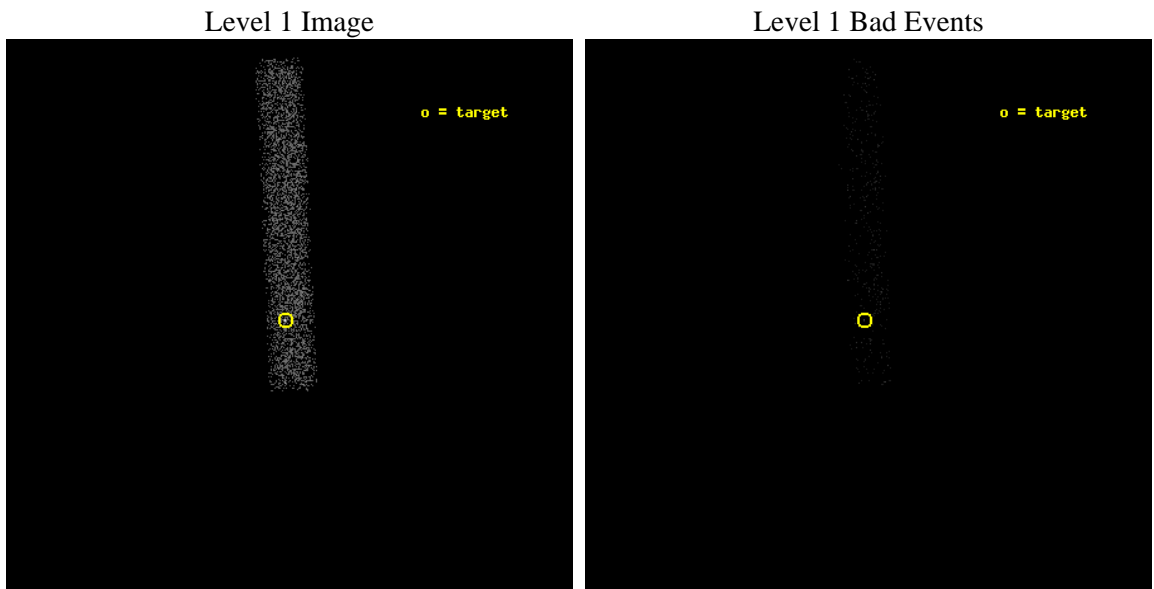
seq_num	701296	Sequence number
obs_id	6878	Observation id
title	Alpha Element Enrichment in Damped Lyman Alpha Absorbers: Survey for New Targets	Proposal title
observer	Dr. Jill Bechtold	Principal investigator
object	Q1431+3952	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.835417	Observer's specified target RA [deg]
dec_targ	39.878194	Observer's specified target Dec [deg]
ra_nom	217.83316921698	Nominal RA [deg]
dec_nom	39.877053091058	Nominal Dec [deg]
roll_nom	267.39329588307	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3149.9998122454	Sum of GTIs [s]
livetime	2856.8835590834	Livetime [s]
ontime7	3149.9998122454	Sum of GTIs [s]
l2events	2808	Number of level 2 events



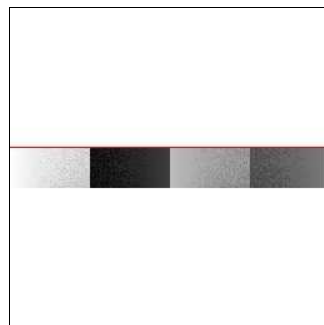
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3149.9998122454	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	3149.9998122454	Sum of GTIs [s]
date	2012-04-07T08:36:44	Date and time of file creation	l1events	6993	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

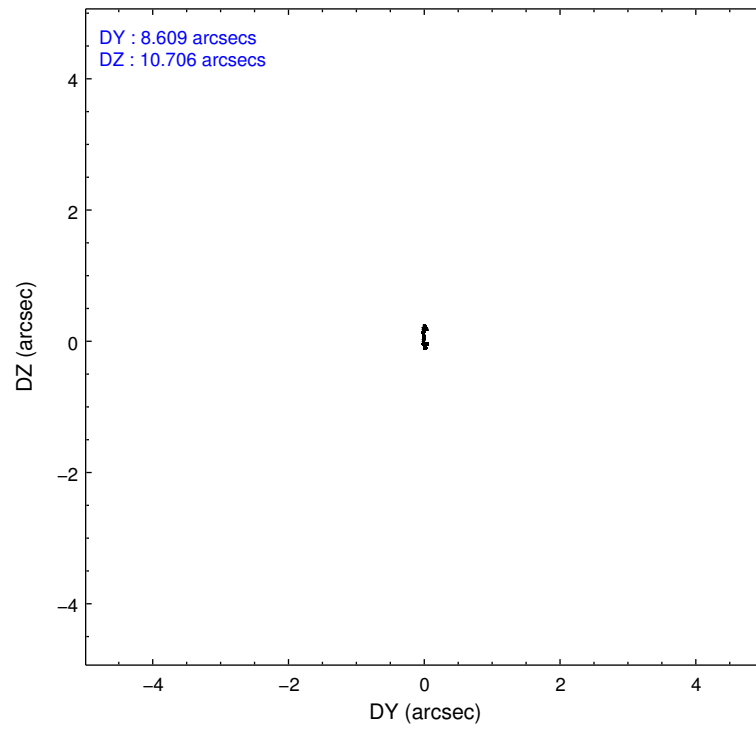
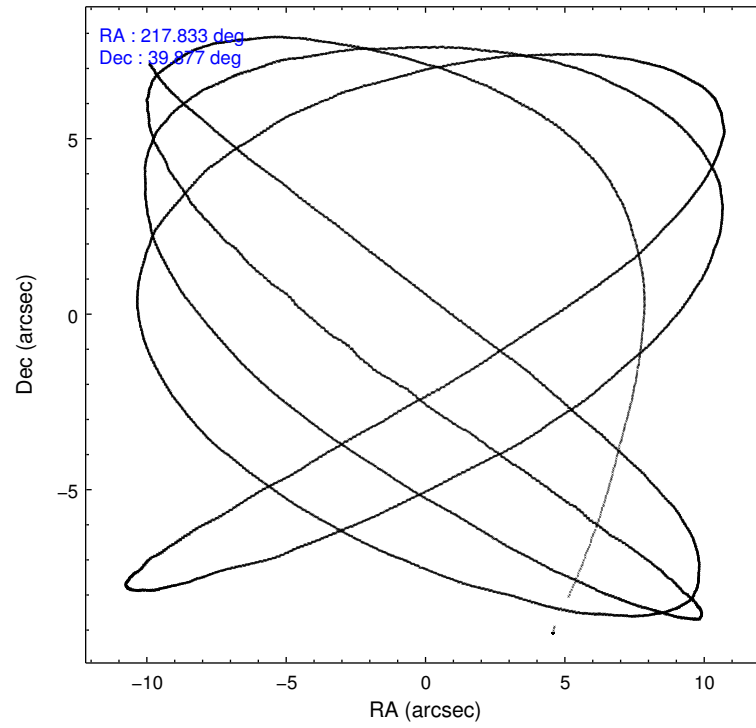
	ccd 7
level 1 events	6993
rejected events	4095
rejected %	58%

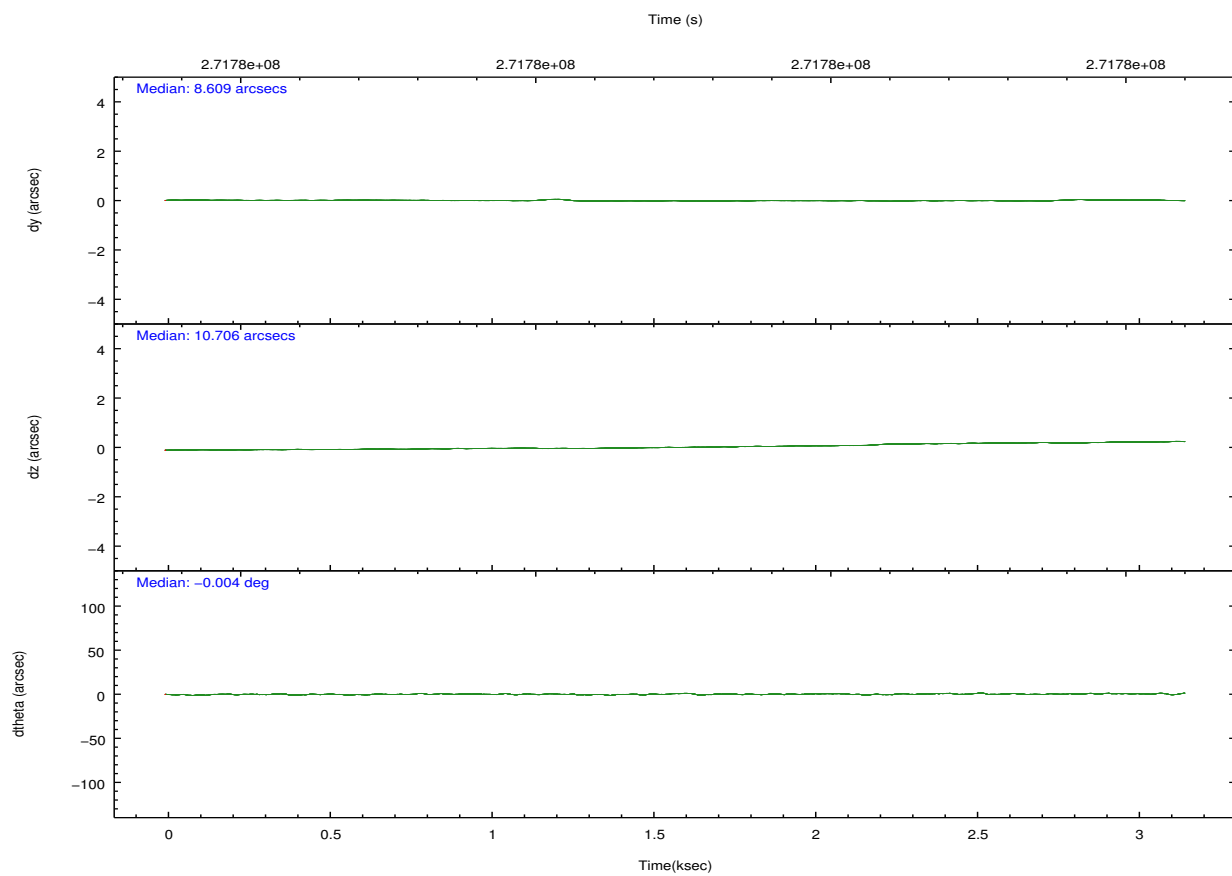
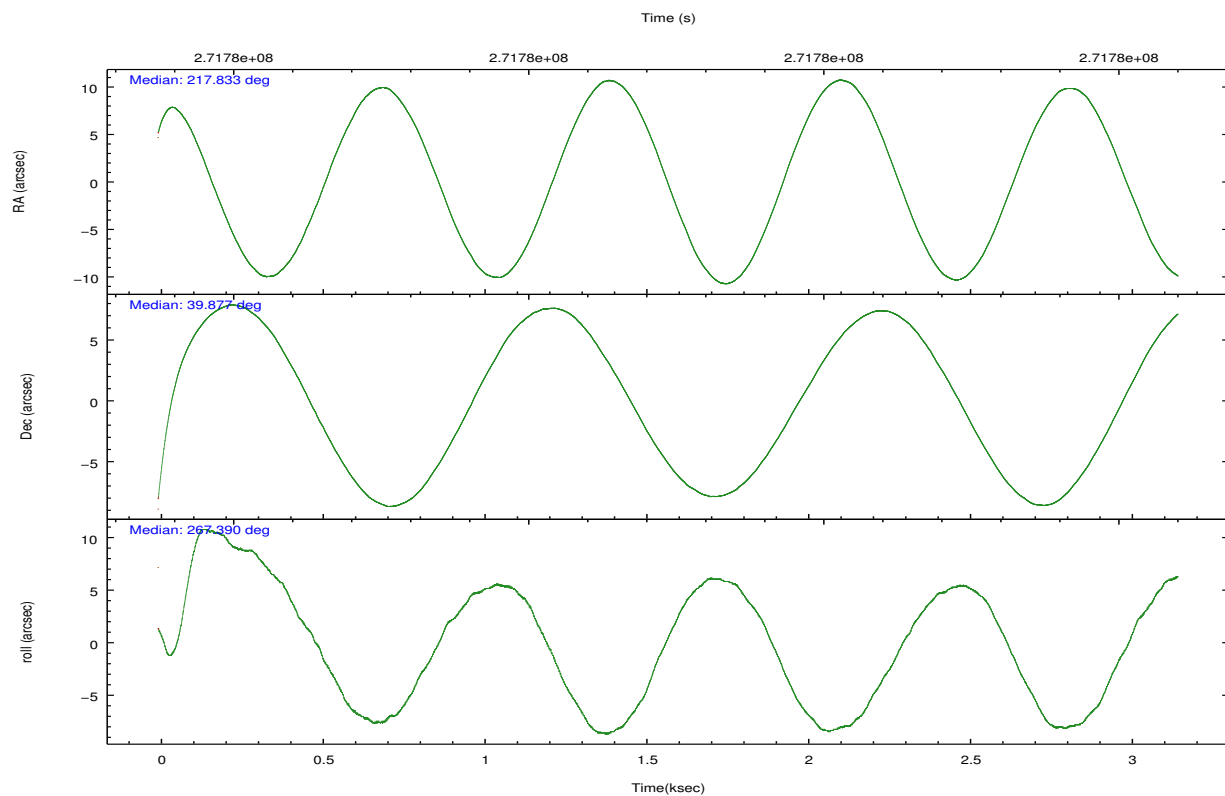
	ccd 7
grade 0 events	485
	6%
grade 1 events	5
	0%
grade 2 events	743
	10%
grade 3 events	423
	6%
grade 4 events	419
	5%
grade 5 events	562
	8%
grade 6 events	1463
	20%
grade 7 events	2893
	41%

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	217.816409	217.8331692169837	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	39.901027	39.87705309105772	Subarray start row	449	449
[deg] Pointing Roll	267.247431	267.3932958830661	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	271780046.184000	271778889.0165			
Observation start date	2006-08-12T14:26:21	2006-08-12T14:08:09			
[s] Observation end time (MET)	271783046.184000	271783467.17921			
Observation end date	2006-08-12T15:16:21	2006-08-12T15:24:27			
Read mode	TIMED	TIMED			

2.3 Aspect



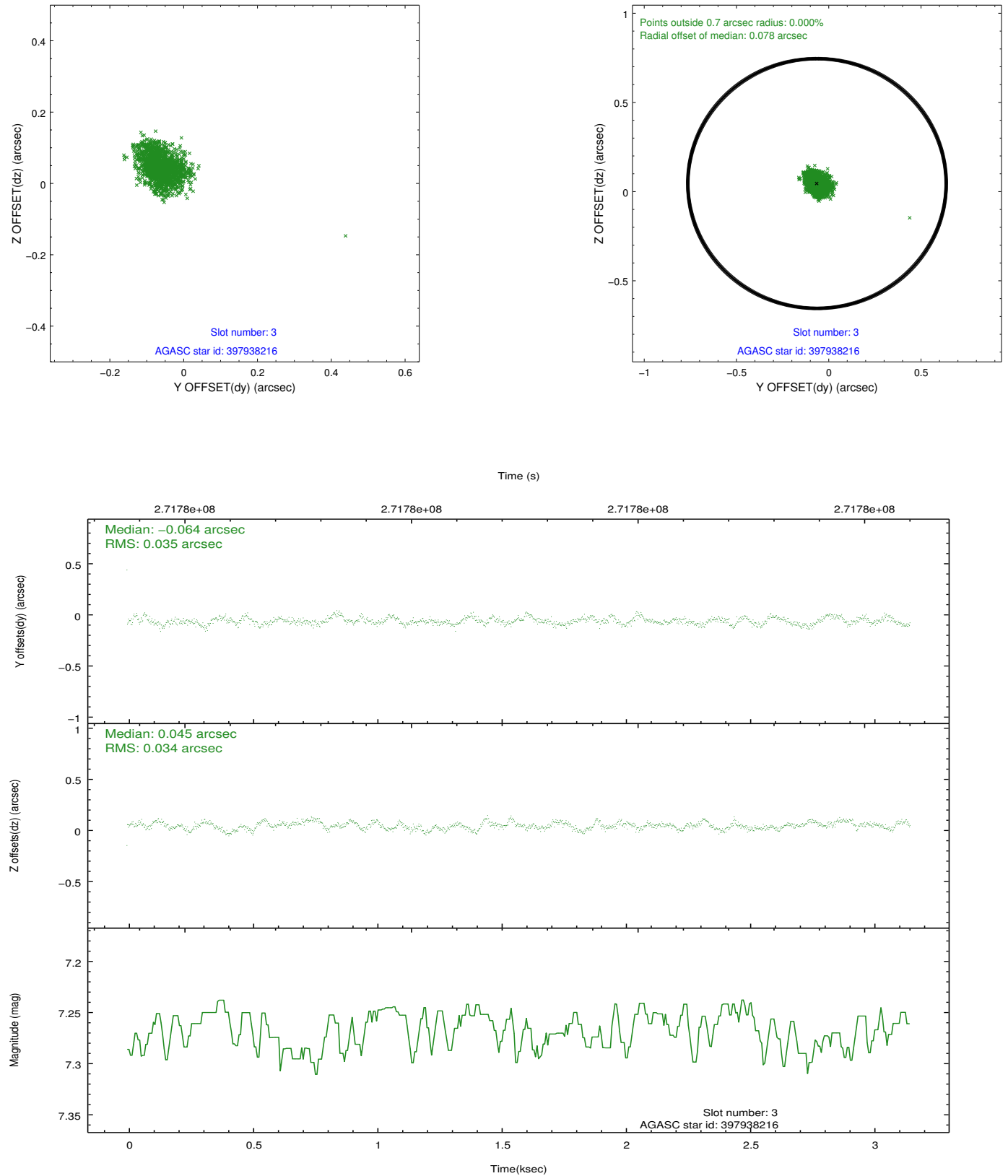


Slot Statistics

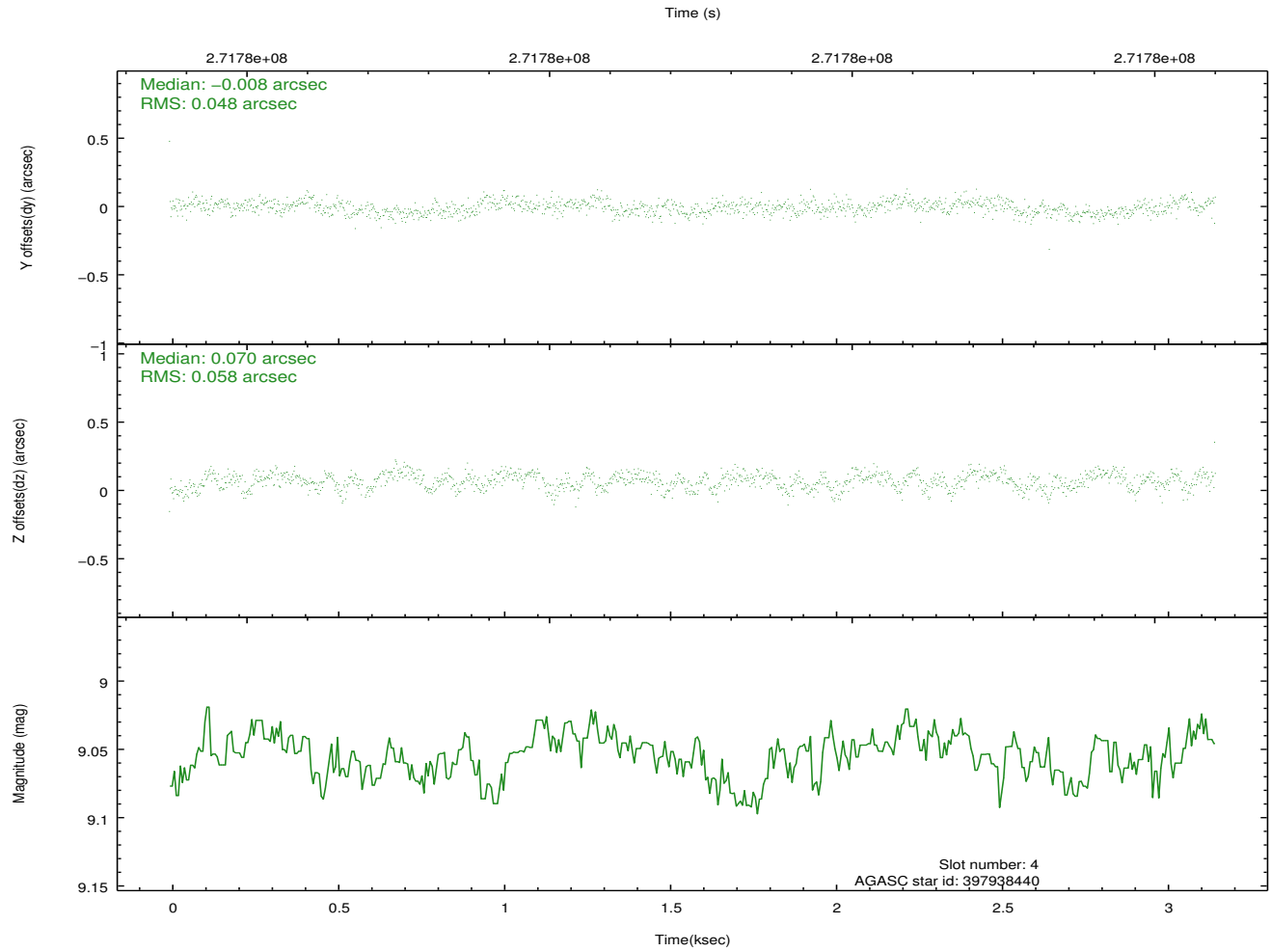
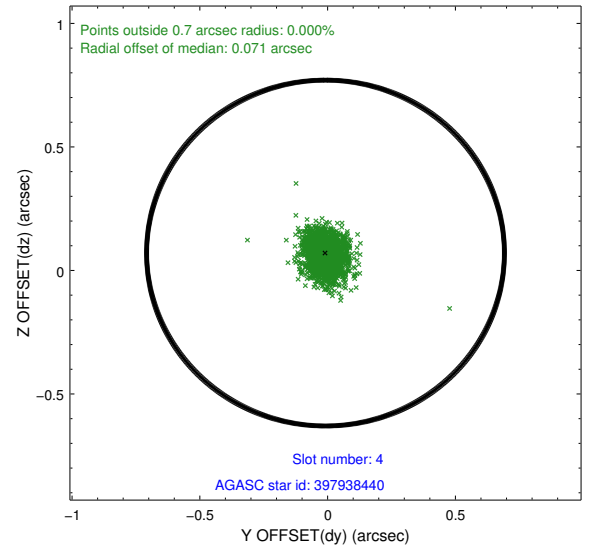
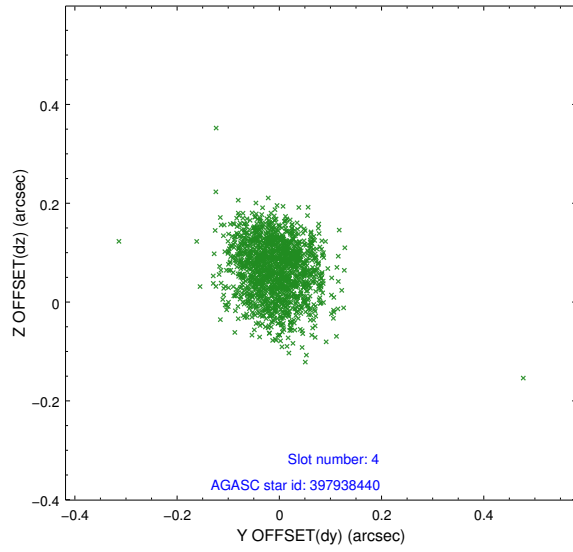
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	769	-0.082	-0.058	0.006	0.011	0.000000	0.000000	-761.48	-1732.07
1	FID	ACIS-S-4	7.21	769	0.084	0.038	0.007	0.011	0.000000	0.000000	2151.03	174.44
2	FID	ACIS-S-6	7.35	769	-0.030	0.028	0.007	0.011	0.000000	0.000000	403.14	814.11
3	GUIDE	397938216	7.27	1538	-0.064	0.045	0.052	0.081	217.230209	39.618713	1088.45	-1574.83
4	GUIDE	397938440	9.05	1528	-0.008	0.070	0.079	0.125	217.392668	39.790420	452.73	-1153.20
5	GUIDE	398332664	8.74	1537	0.176	-0.063	0.069	0.110	217.886680	40.371455	-1699.83	110.62
6	GUIDE	398332696	9.64	1535	-0.034	-0.024	0.100	0.172	217.944679	40.104620	-749.90	317.66
7	GUIDE	398329456	9.21	1535	-0.068	-0.028	0.093	0.151	217.219555	40.264400	-1233.46	-1701.33

2.4 Star Slots

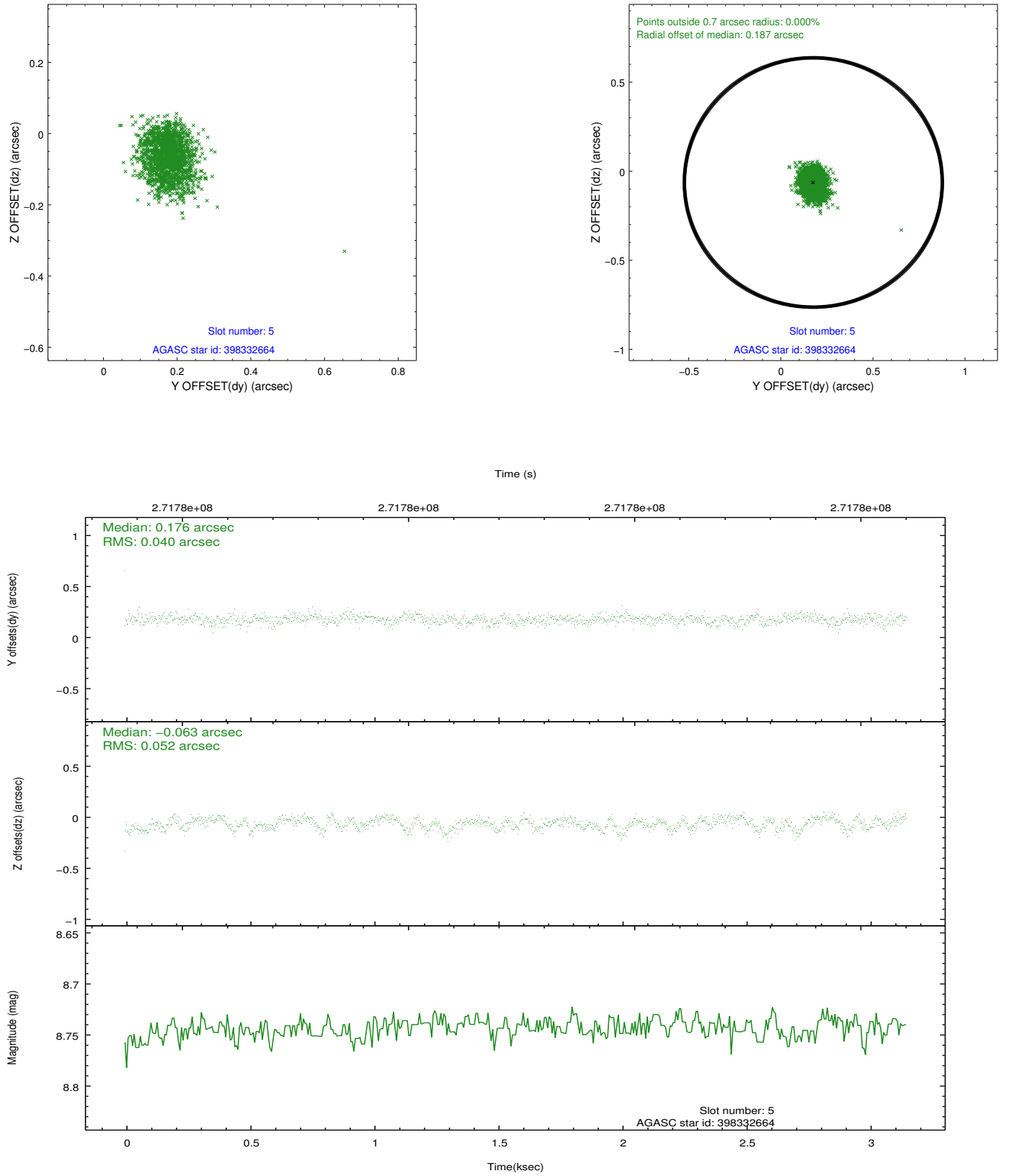
2.4.1 Slot 3



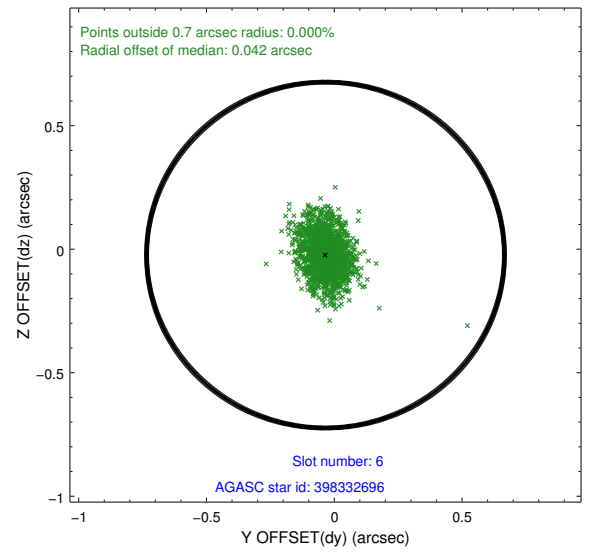
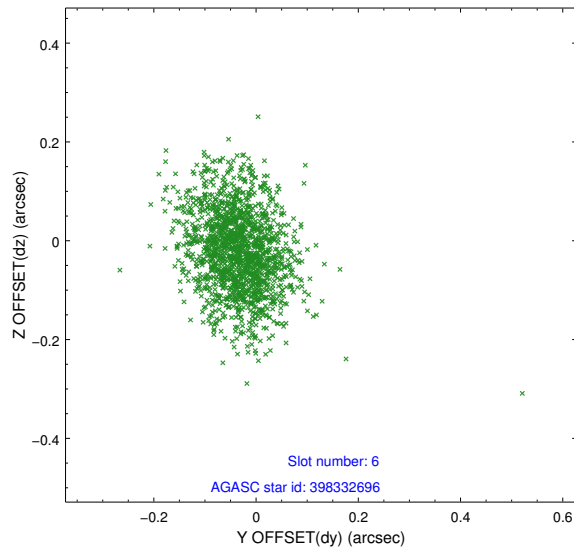
2.4.2 Slot 4



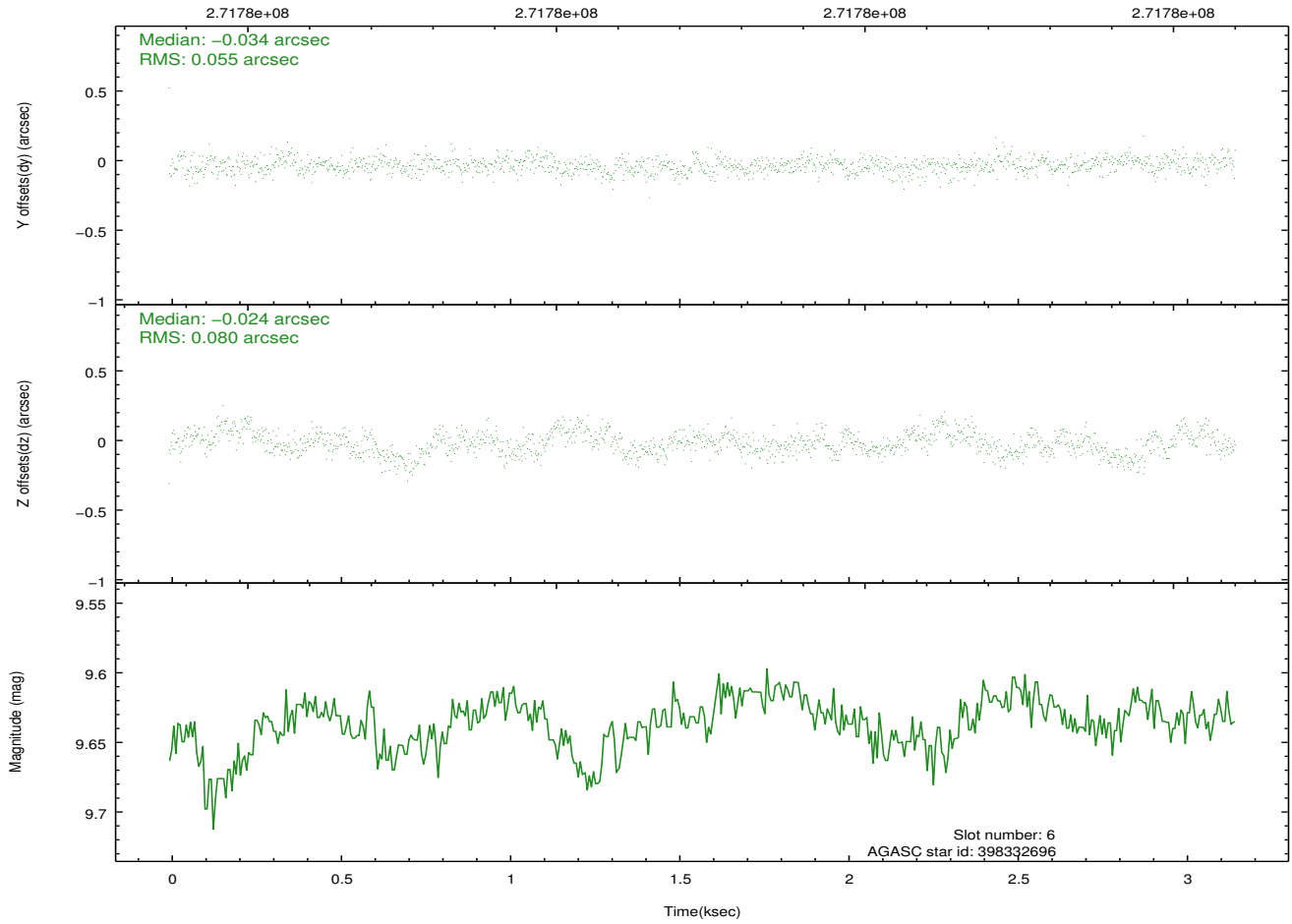
2.4.3 Slot 5



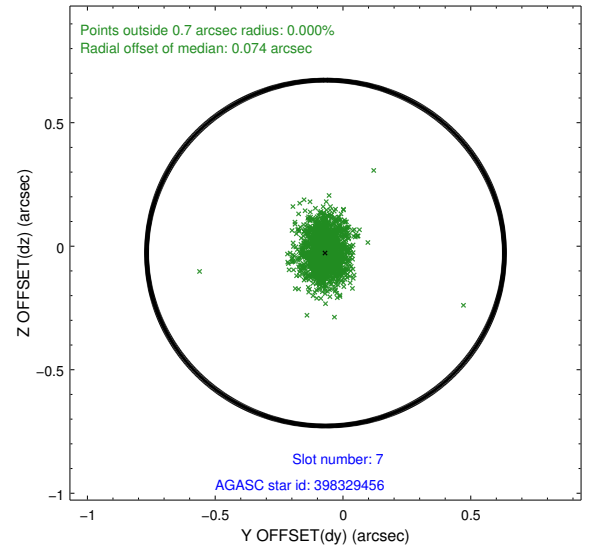
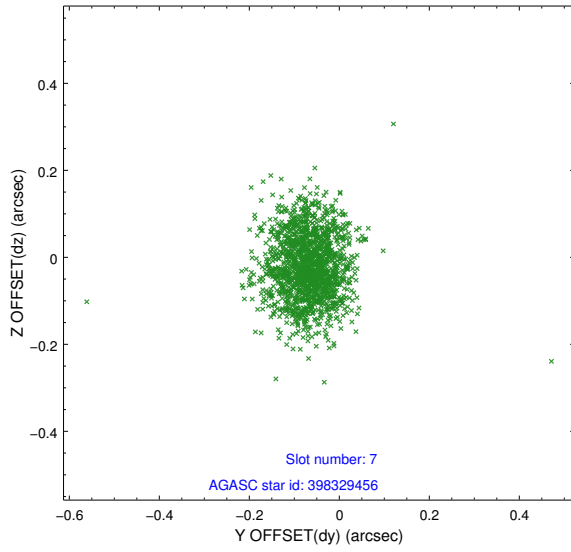
2.4.4 Slot 6



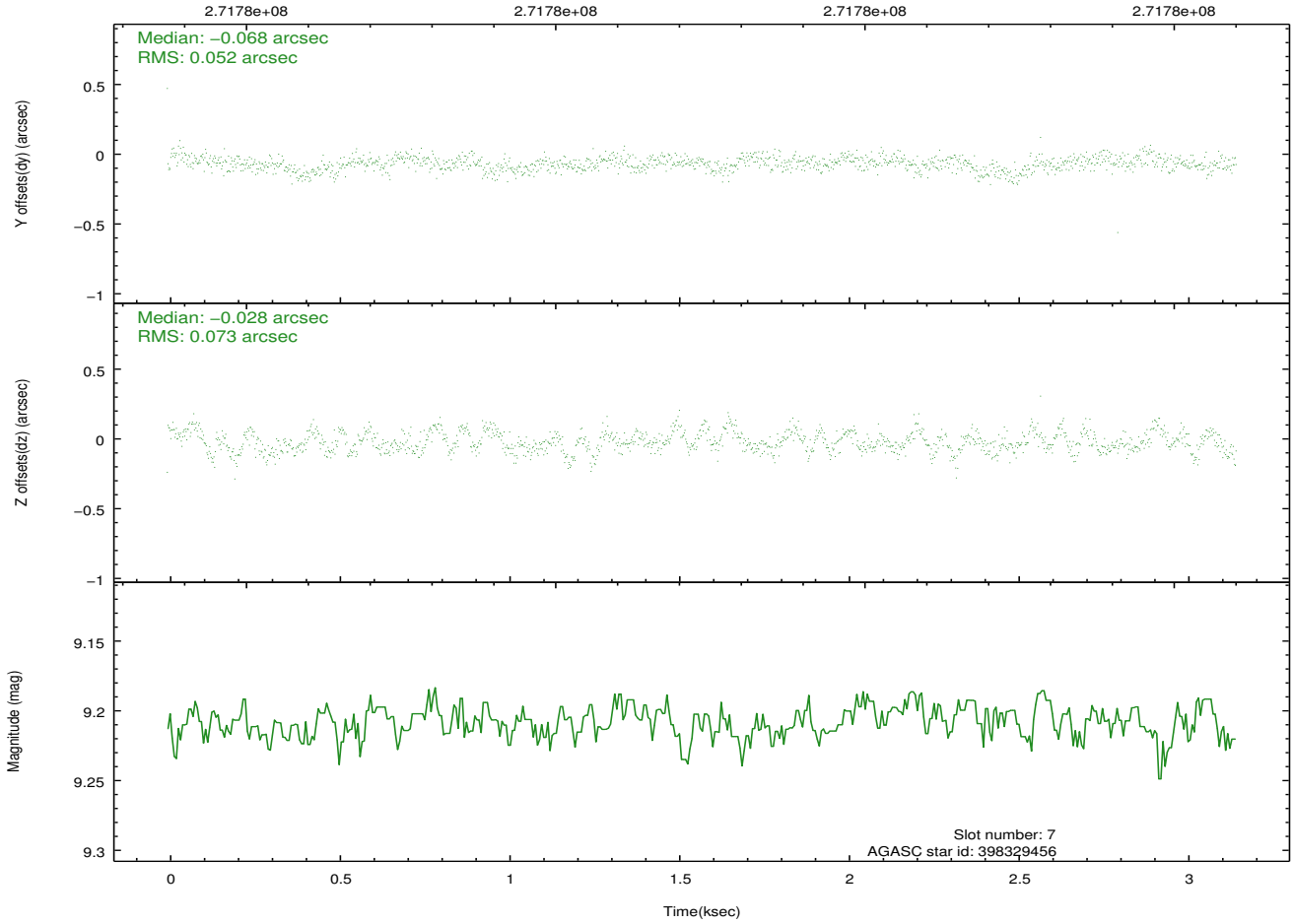
Time (s)



2.4.5 Slot 7

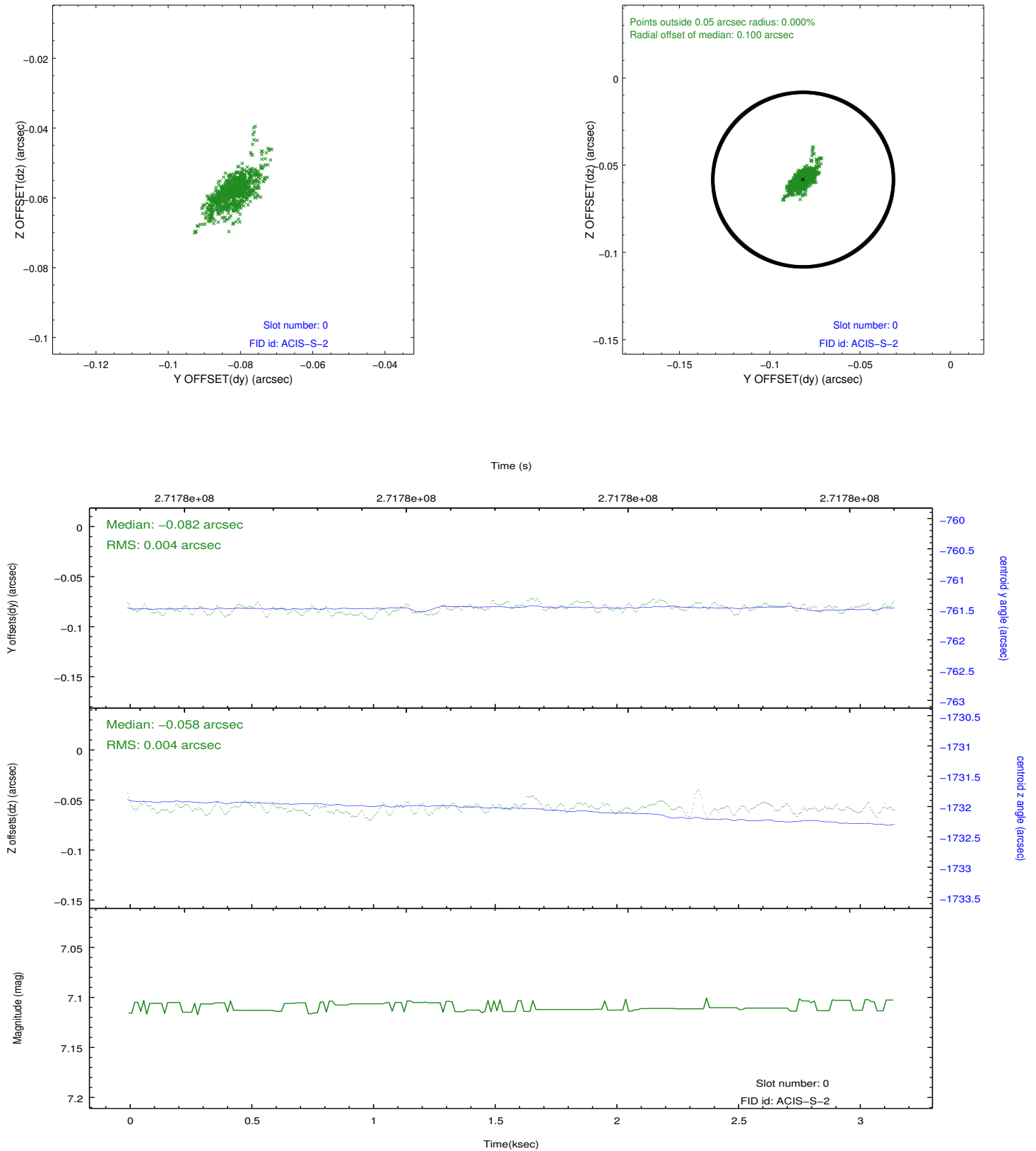


Time (s)

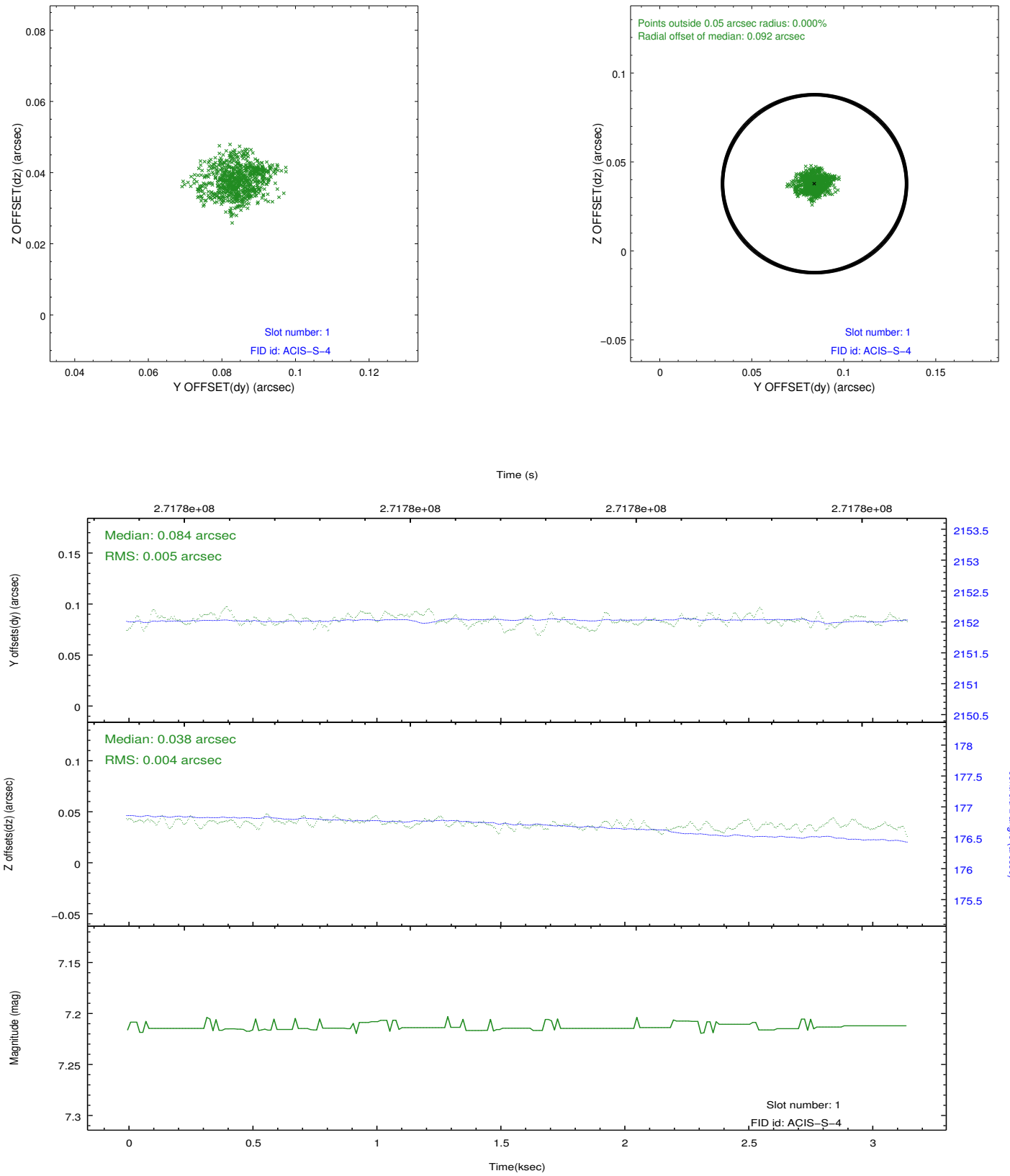


2.5 FID Slots

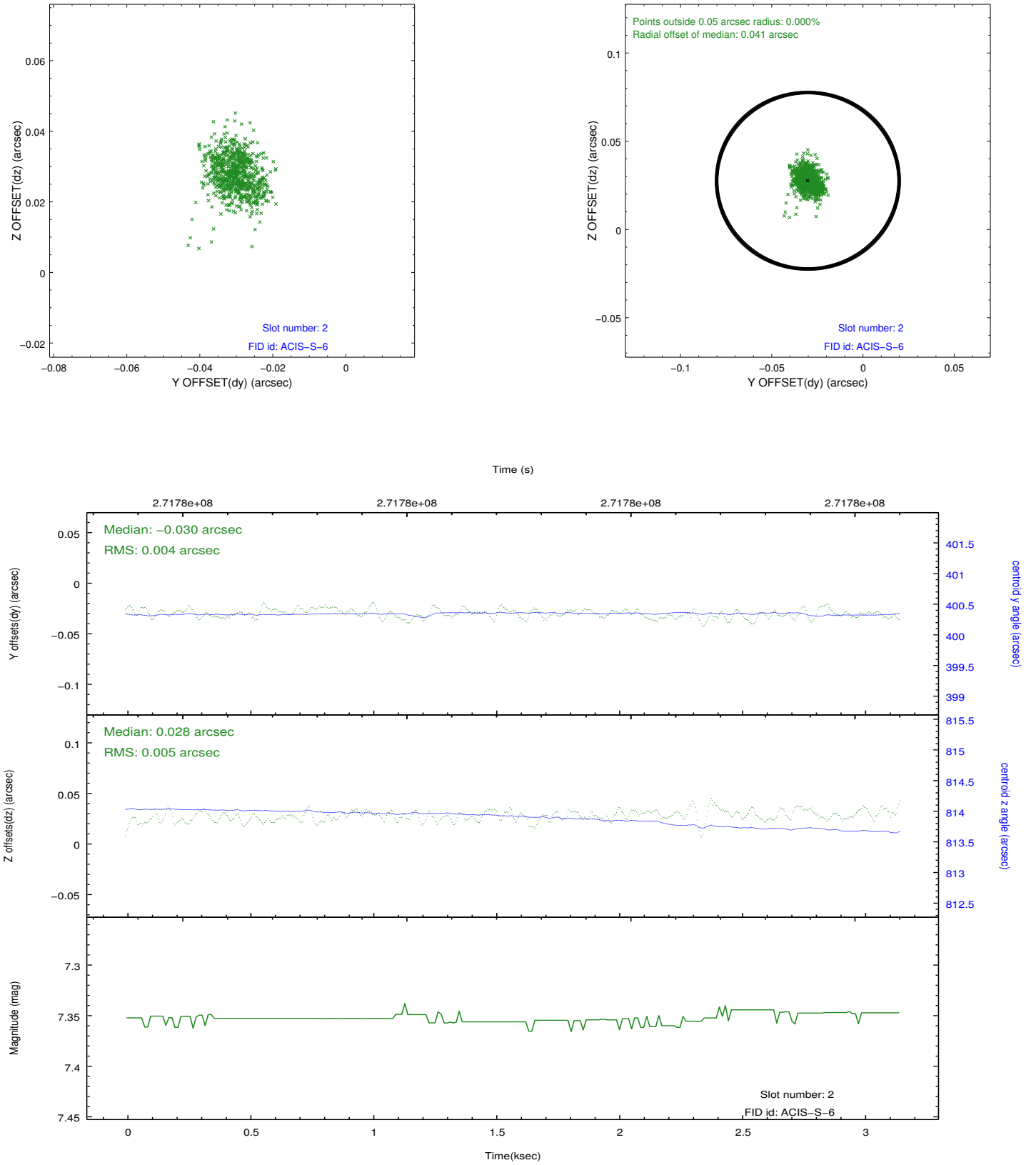
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.14999981

A.2 Comments