

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 852 - L2 Version 4
Chandra X-Ray Center

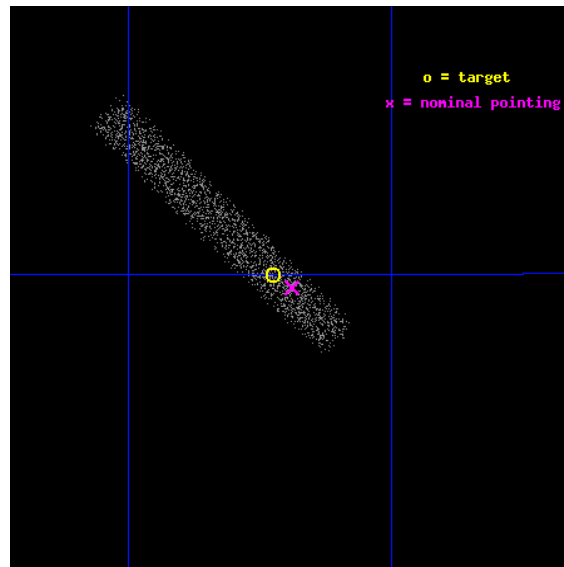
L2 Processing Date : Aug 27 2012

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1 Front

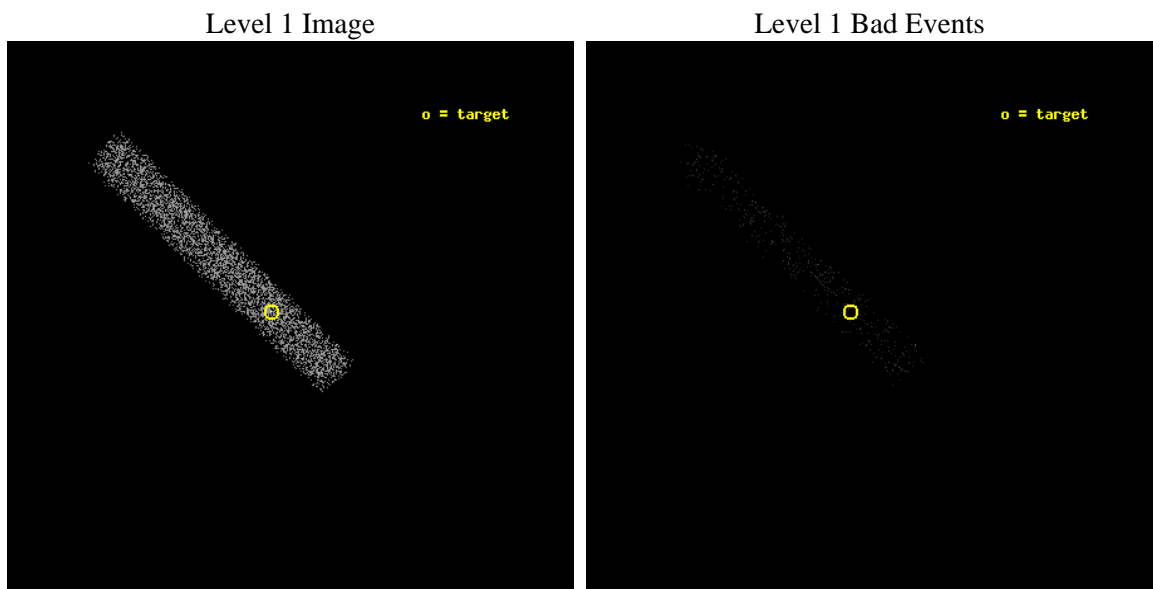
seq_num	700157	Sequence number
obs_id	852	Observation id
title	X-RAYS FROM RADIO-LOUD BROAD ABSORPTION LINE QSOS	Proposal title
observer	Prof. Michael Brotherton	Principal investigator
object	BAL 1312+2319	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	198.05625	Observer's specified target RA [deg]
dec_targ	23.332778	Observer's specified target Dec [deg]
ra_nom	198.04722890175	Nominal RA [deg]
dec_nom	23.327274766506	Nominal Dec [deg]
roll_nom	224.08380117937	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5167.2000769973	Sum of GTIs [s]
livetime	4686.3777226531	Livetime [s]
ontime7	5167.2000769973	Sum of GTIs [s]
l2events	2550	Number of level 2 events



2 OBI

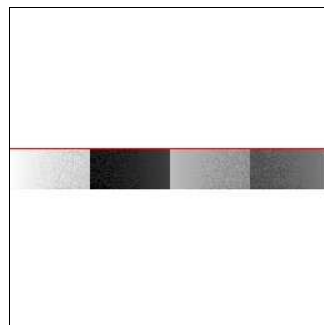
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5167.2000769973	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	5167.2000769973	Sum of GTIs [s]
date	2012-08-27T19:49:51	Date and time of file creation	l1events	6473	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	6473
rejected events	3801
rejected %	58%

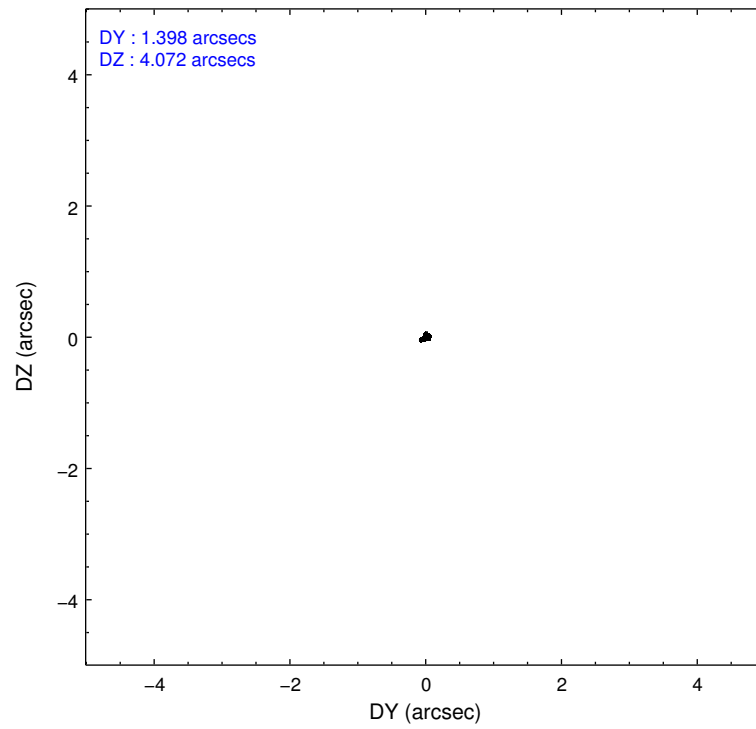
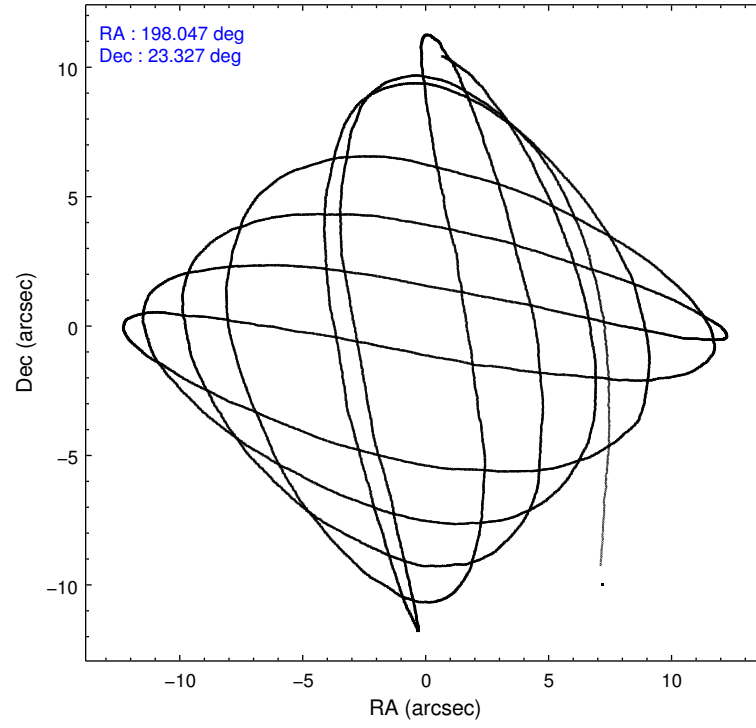
	ccd 7
grade 0 events	336
	5%
grade 1 events	3
	0%
grade 2 events	563
	8%
grade 3 events	421
	6%
grade 4 events	423
	6%
grade 5 events	598
	9%
grade 6 events	1309
	20%
grade 7 events	2820
	43%

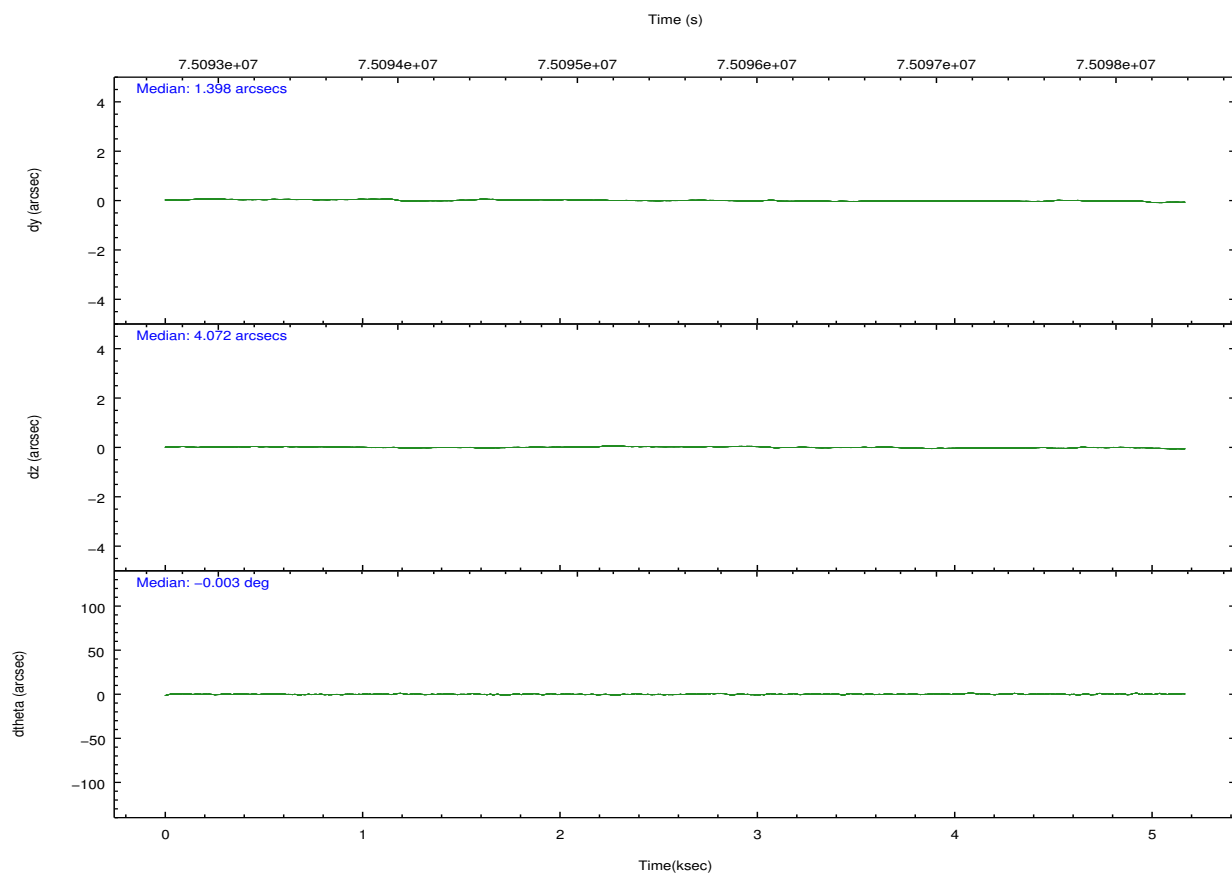
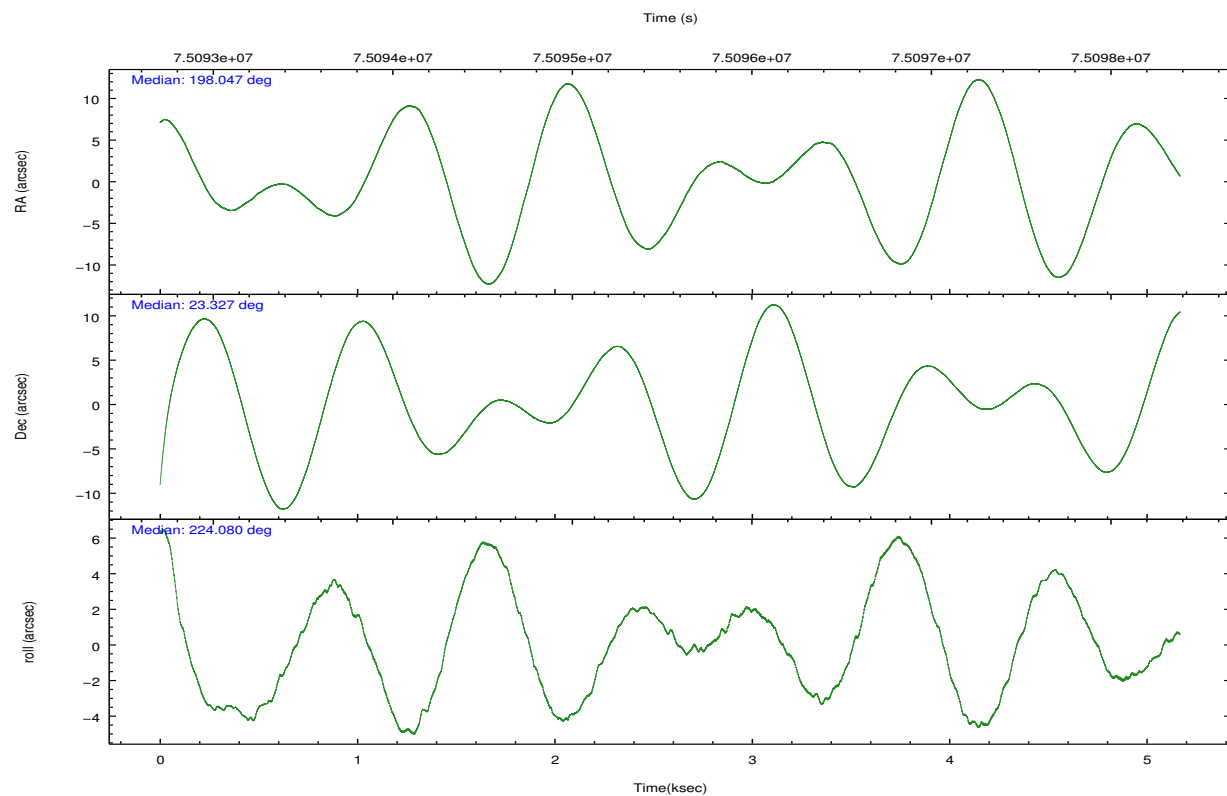
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	198.055264	198.0472289017458
[deg] Pointing Dec	23.353654	23.32727476650622
[deg] Pointing Roll	223.923976	224.0838011793702
[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)	75093127.184000	75092042.715846
Observation start date	2000-05-19T03:11:03	2000-05-19T02:54:02
[s] Observation end time (MET)	75098127.184000	75098658.066089
Observation end date	2000-05-19T04:34:23	2000-05-19T04:44:18
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



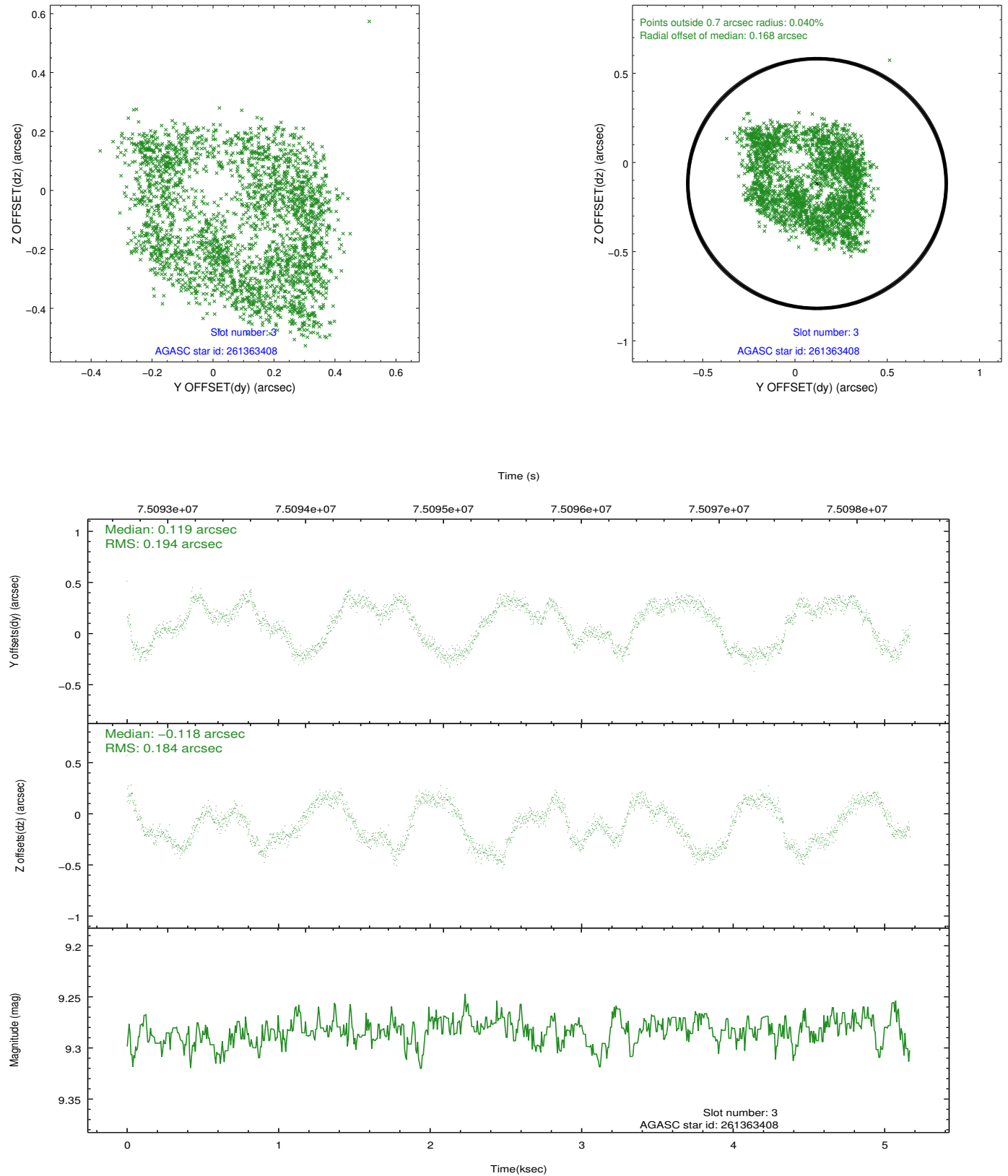


Slot Statistics

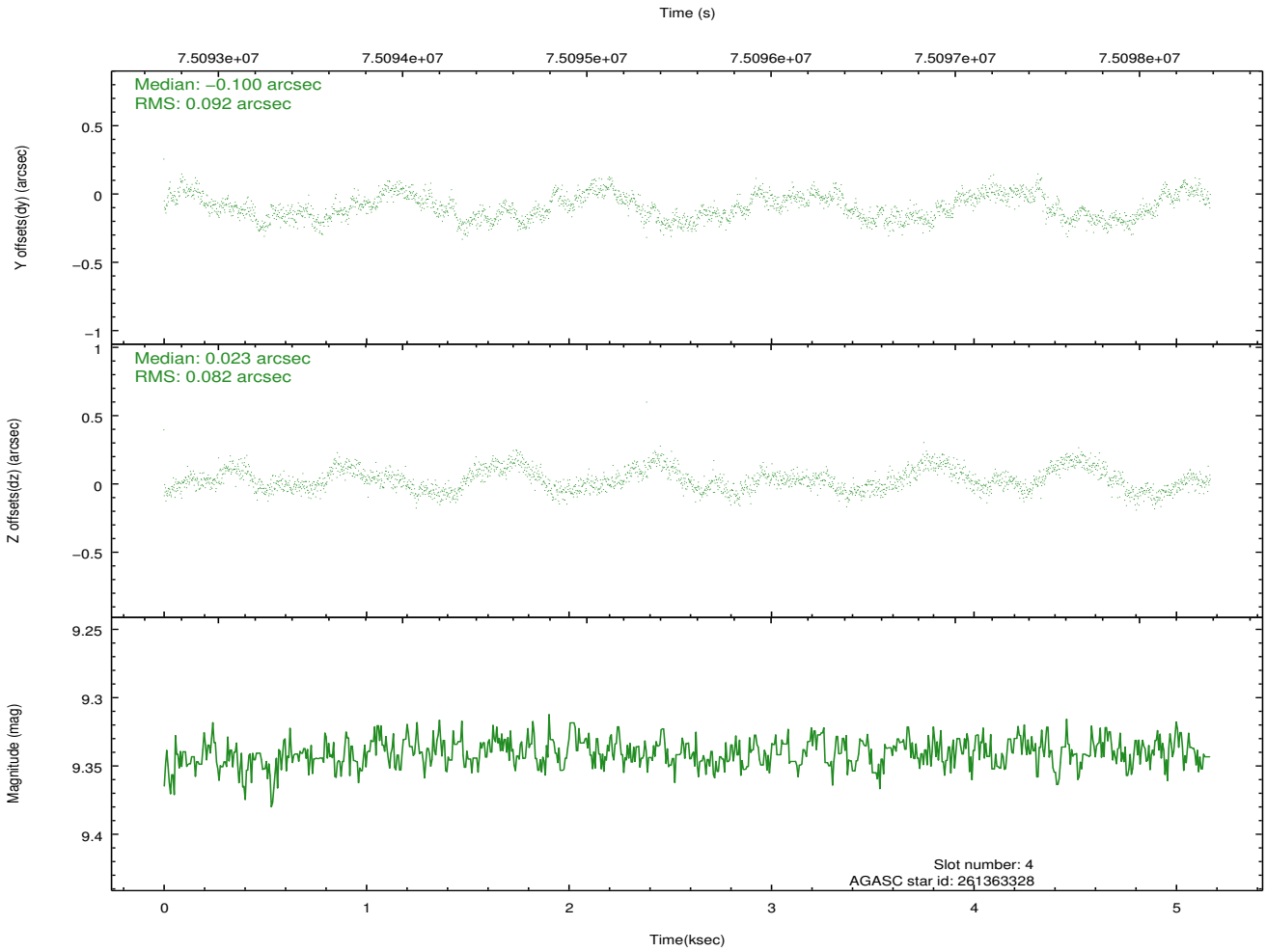
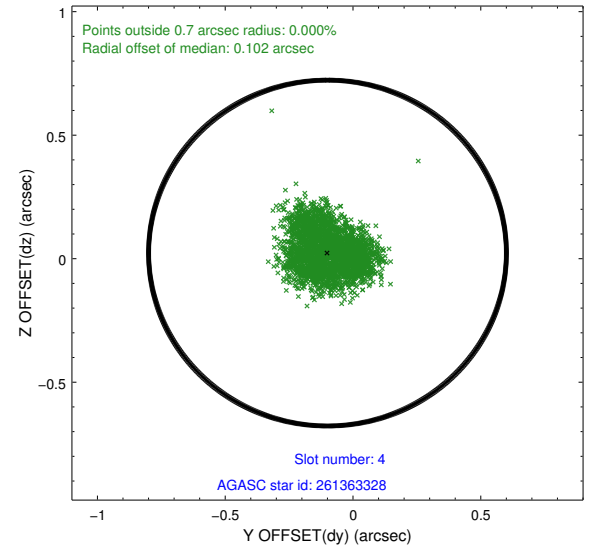
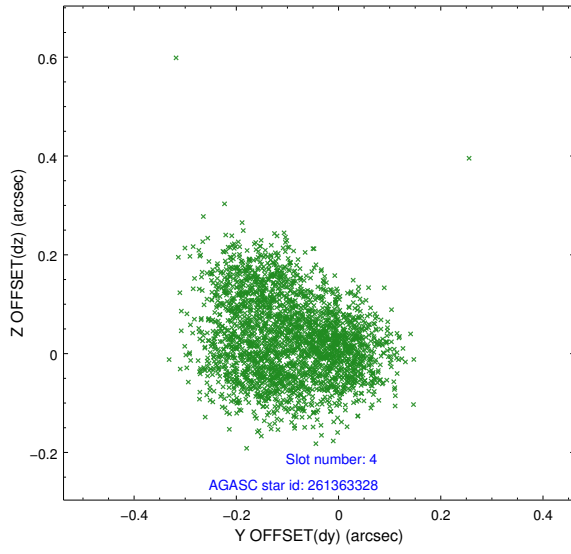
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1261	-0.016	-0.010	0.007	0.012	0.000000	0.000000	-754.04	-1725.16
1	FID	ACIS-S-4	7.21	1261	-0.010	0.010	0.005	0.009	0.000000	0.000000	2158.74	182.10
2	FID	ACIS-S-5	7.23	1261	-0.005	0.008	0.007	0.012	0.000000	0.000000	-1805.33	177.16
3	GUIDE	261363408	9.28	2520	0.119	-0.118	0.297	0.405	197.632861	23.488126	668.07	-1317.73
4	GUIDE	261363328	9.34	2520	-0.100	0.023	0.135	0.197	198.540116	23.315976	-1061.63	1207.10
5	GUIDE	261371840	9.98	2518	0.033	0.114	0.118	0.188	198.087139	22.845843	1192.12	1390.71
6	GUIDE	261378328	6.22	2522	-0.358	-0.341	0.123	0.168	198.035063	24.258026	-2209.97	-2391.07
7	GUIDE	261368040	9.72	2517	0.330	0.327	0.129	0.207	198.124803	22.917232	923.74	1290.92

2.4 Star Slots

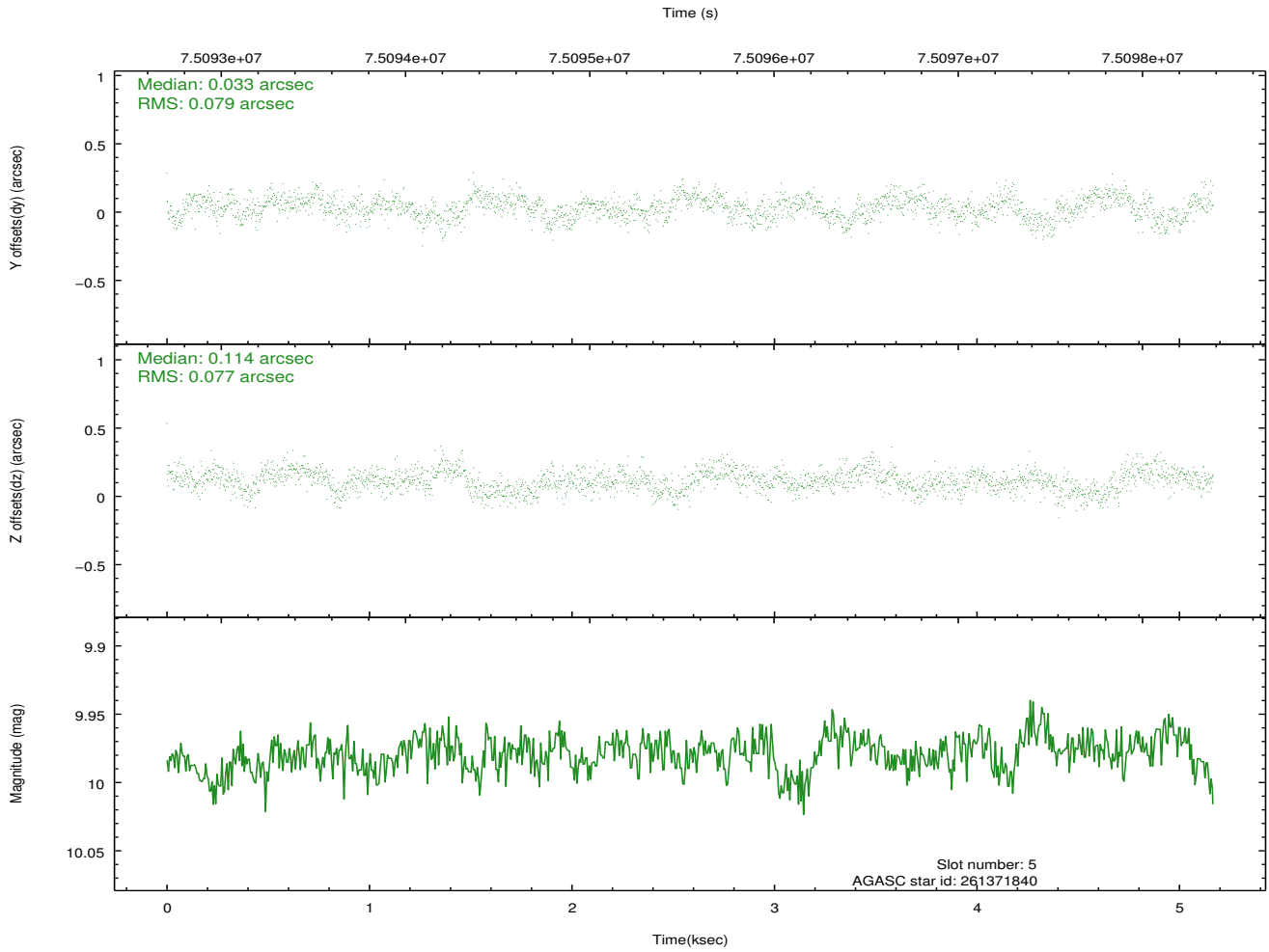
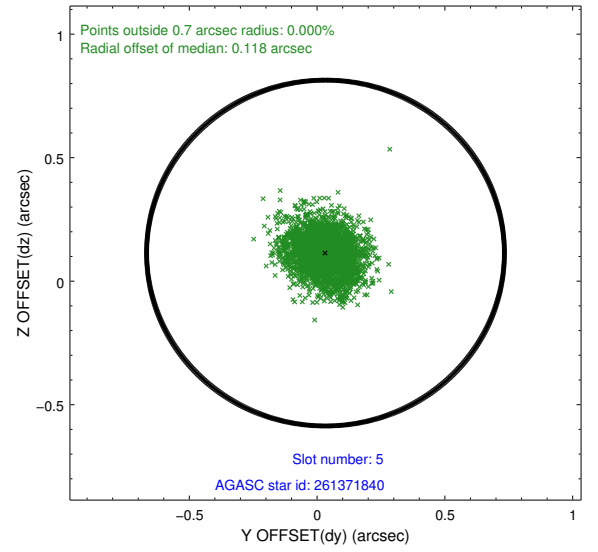
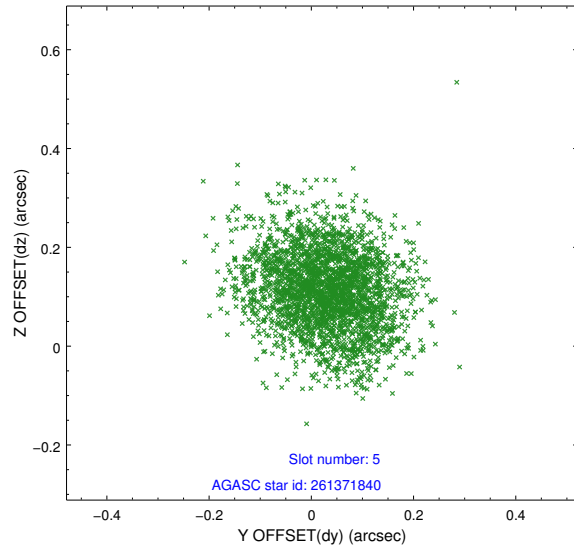
2.4.1 Slot 3



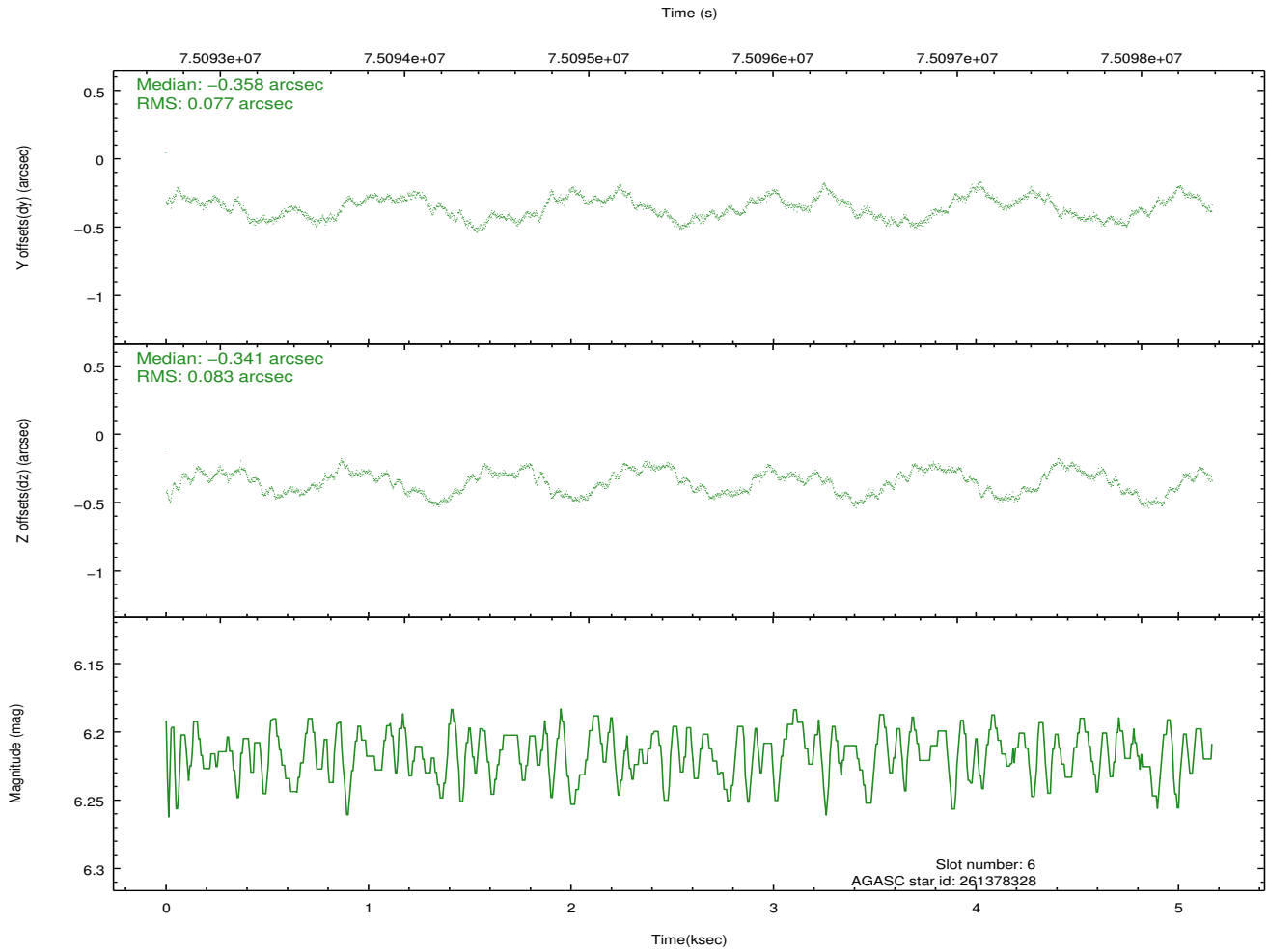
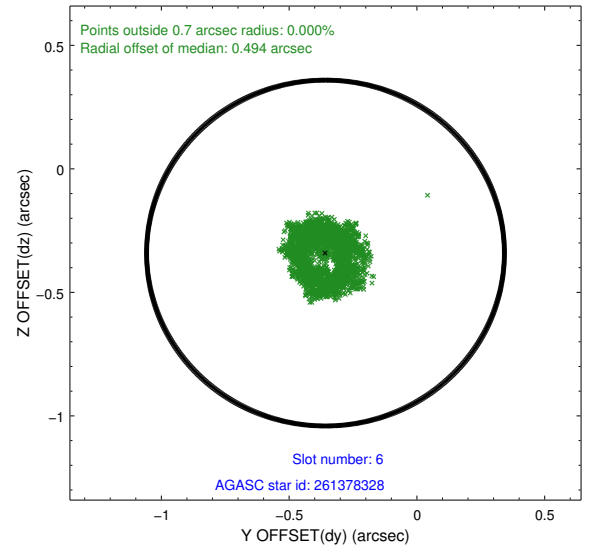
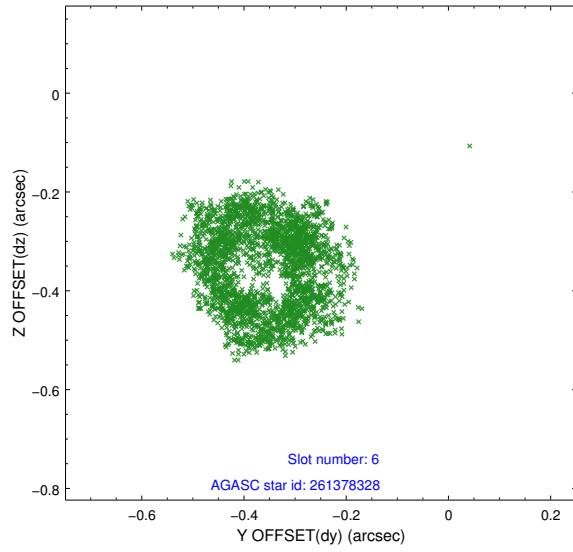
2.4.2 Slot 4



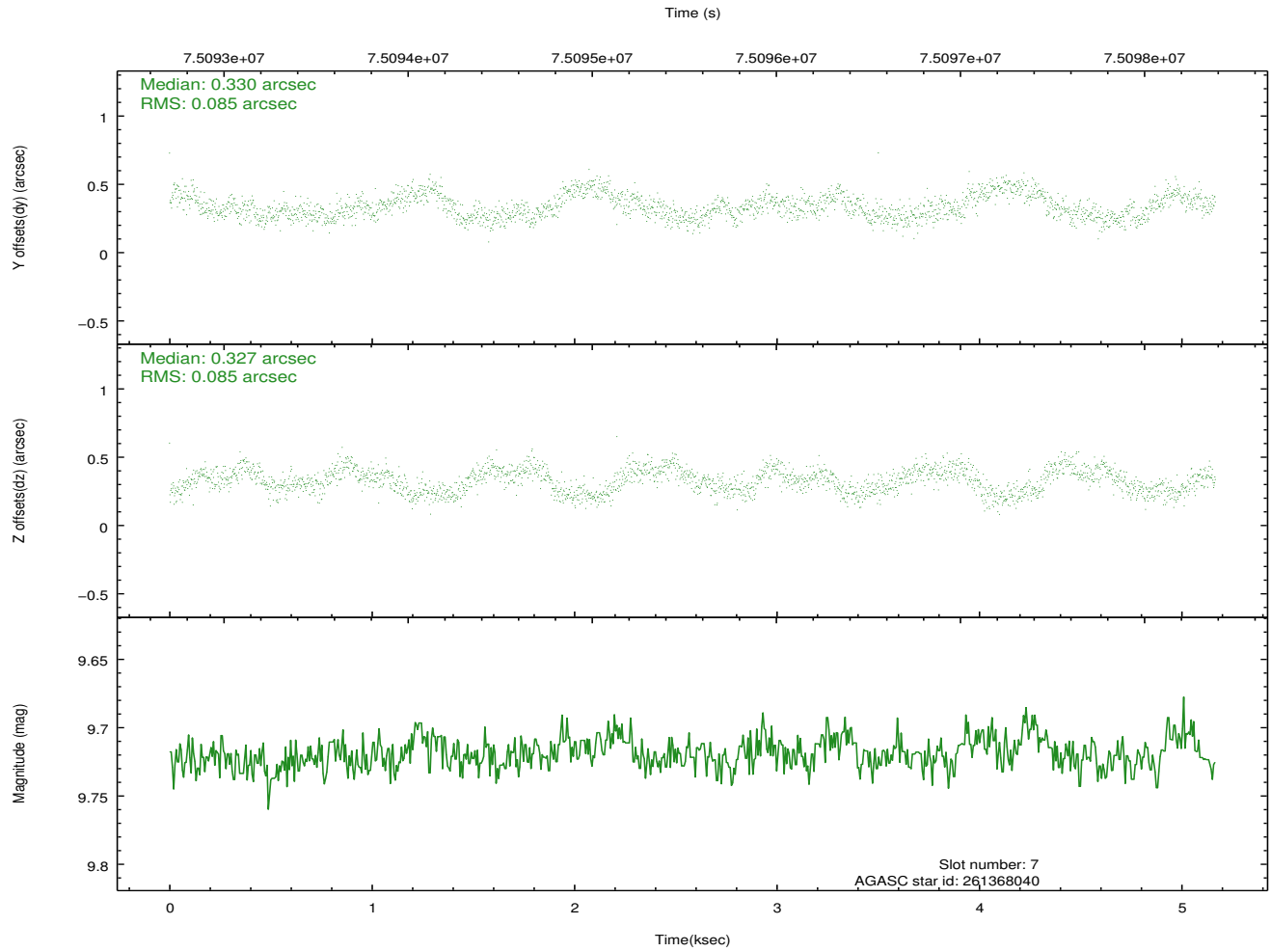
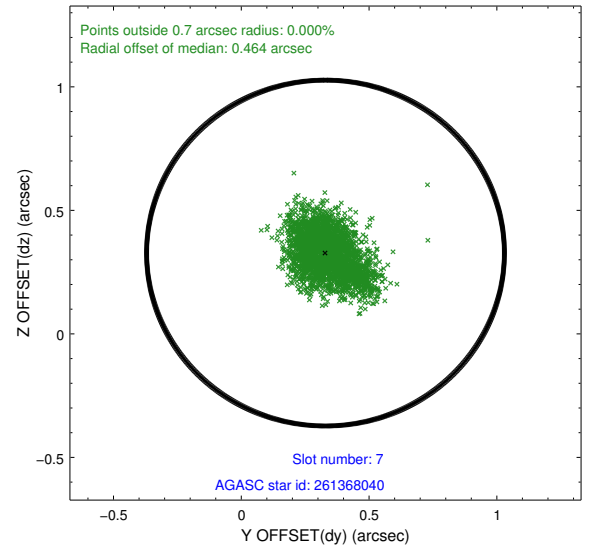
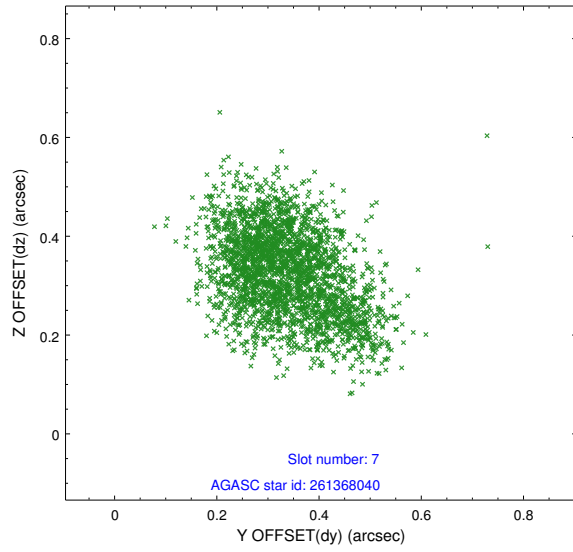
2.4.3 Slot 5



2.4.4 Slot 6

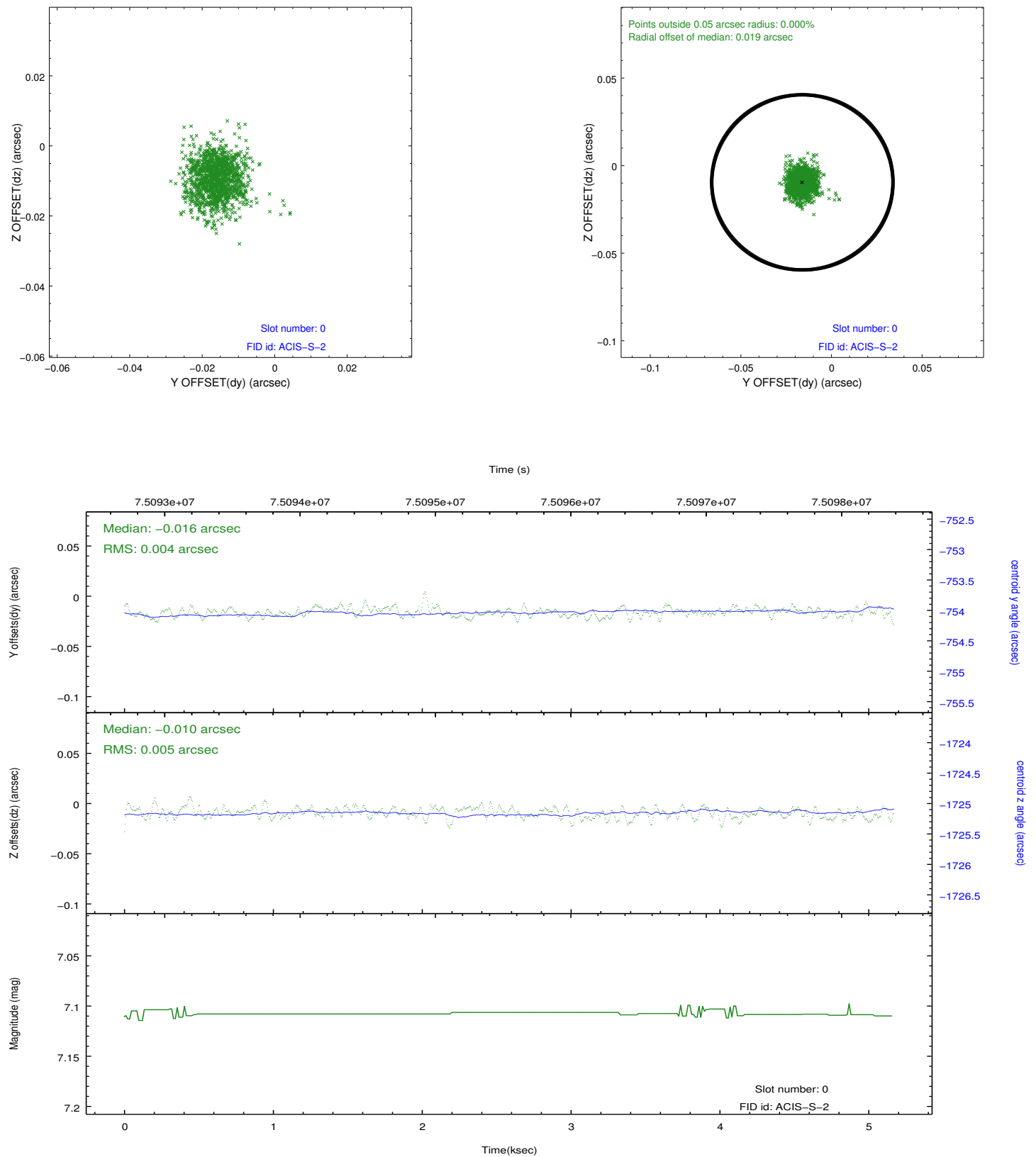


2.4.5 Slot 7

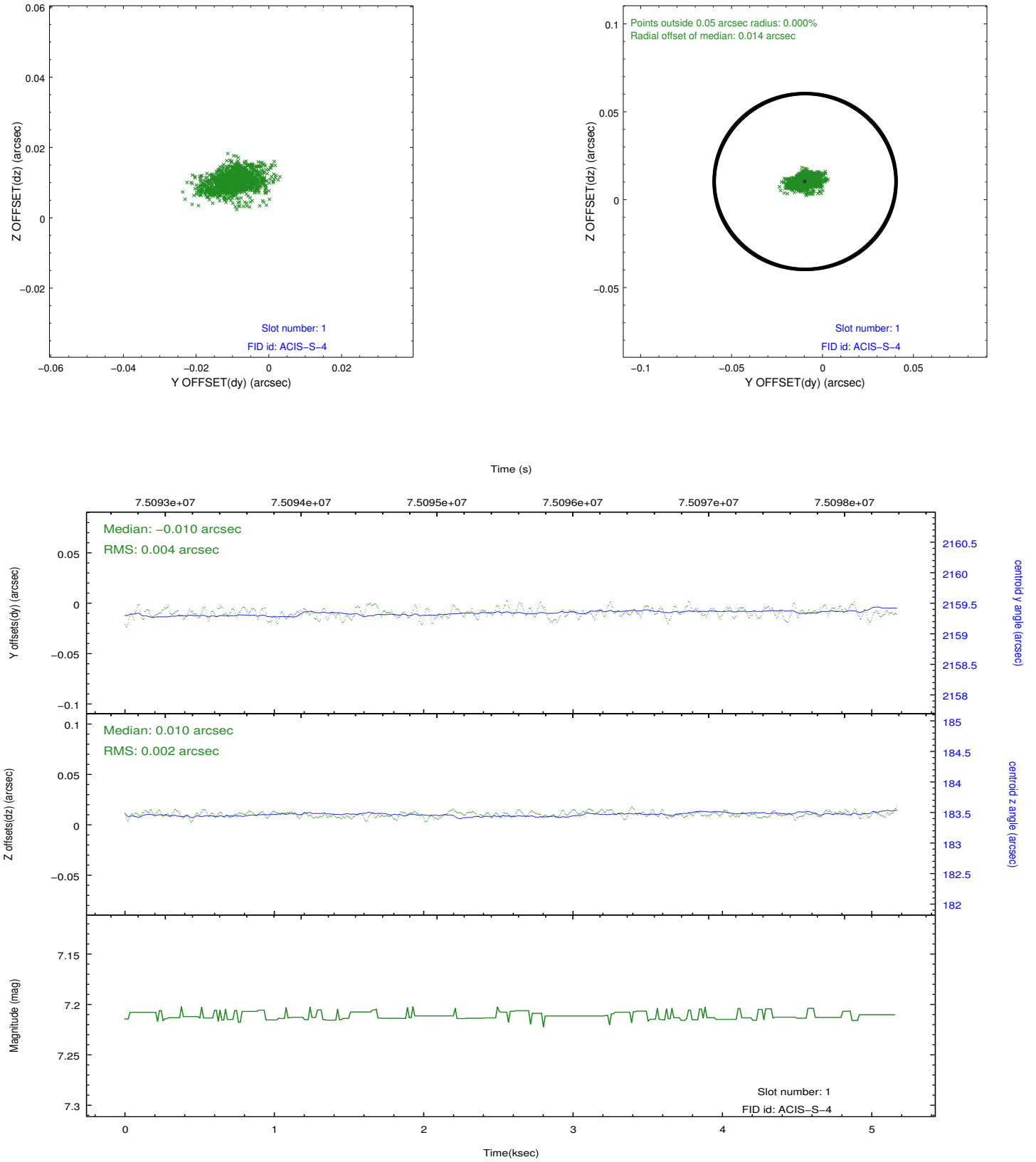


2.5 FID Slots

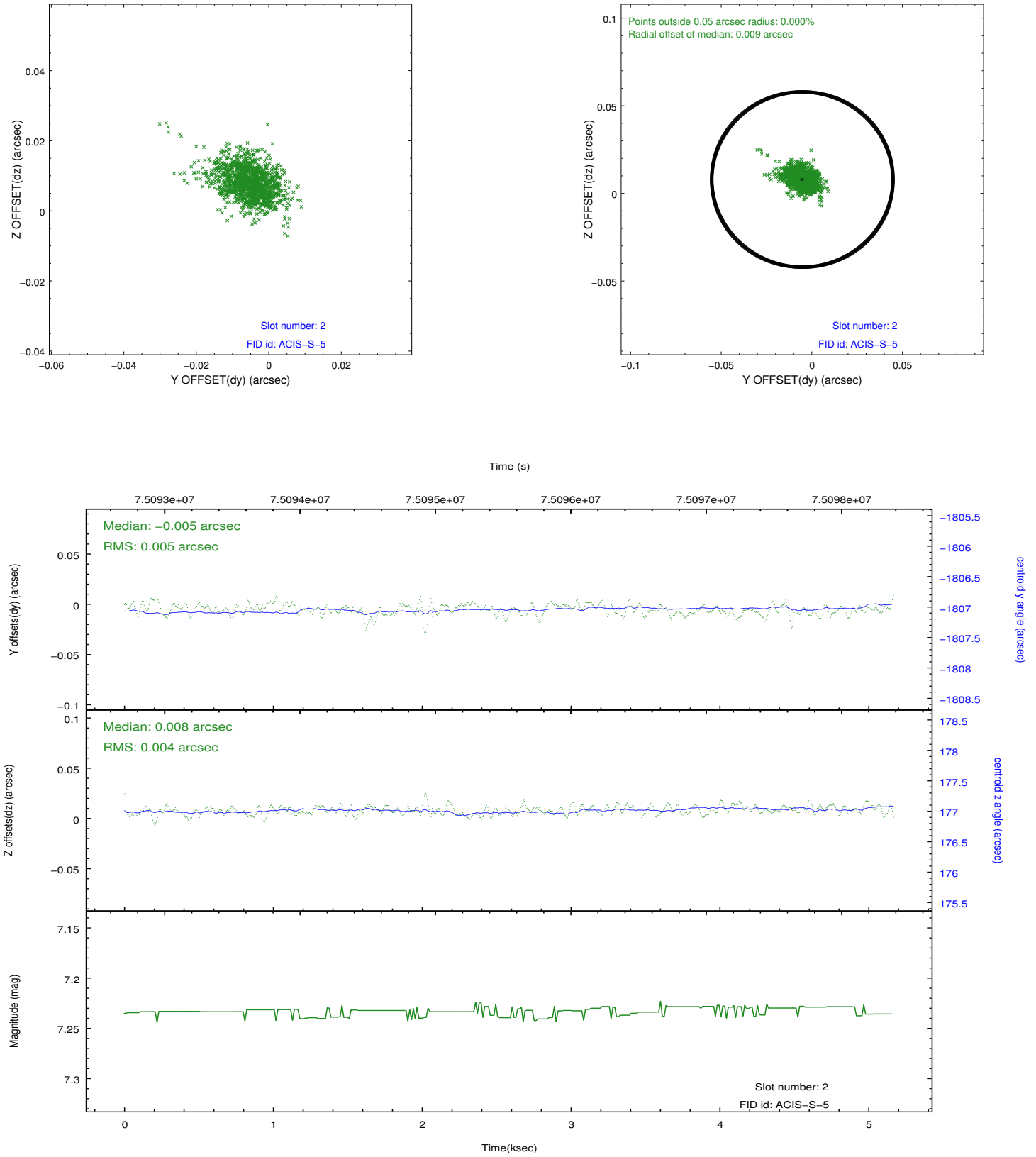
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.167

A.2 Comments