

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7777 - L2 Version 3
Chandra X-Ray Center

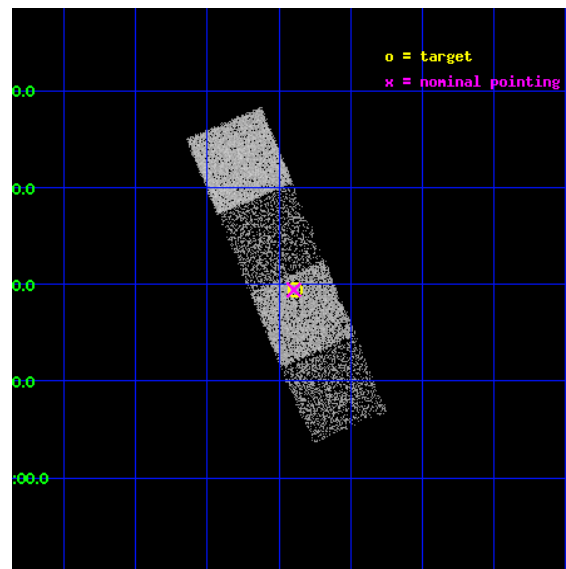
L2 Processing Date : Apr 20 2012

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

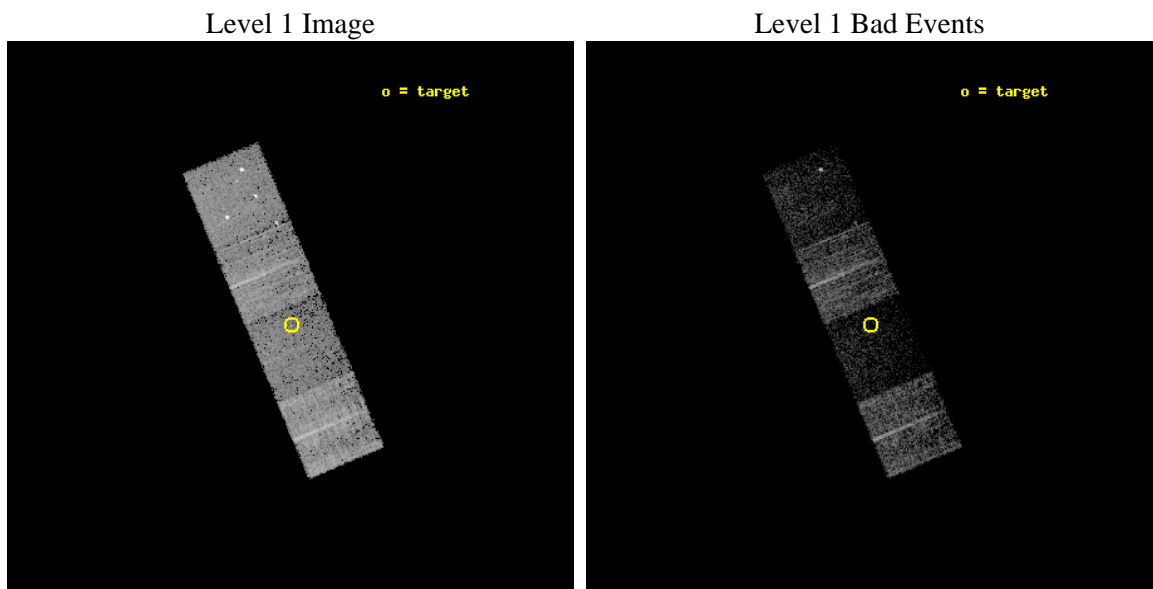
seq_num	701445	Sequence number
obs_id	7777	Observation id
title	An Exploratory Chandra Survey of Weak-Line Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J1141+0219	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.472083	Observer's specified target RA [deg]
dec_targ	2.323417	Observer's specified target Dec [deg]
ra_nom	175.47398152859	Nominal RA [deg]
dec_nom	2.3240266461674	Nominal Dec [deg]
roll_nom	67.194932602258	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4042.4000310898	Sum of GTIs [s]
livetime	3989.583098712	Livetime [s]
ontime5	4042.4000310898	Sum of GTIs [s]
ontime6	4042.4000310898	Sum of GTIs [s]
ontime7	4042.4000310898	Sum of GTIs [s]
ontime8	4042.4000310898	Sum of GTIs [s]
l2events	24920	Number of level 2 events



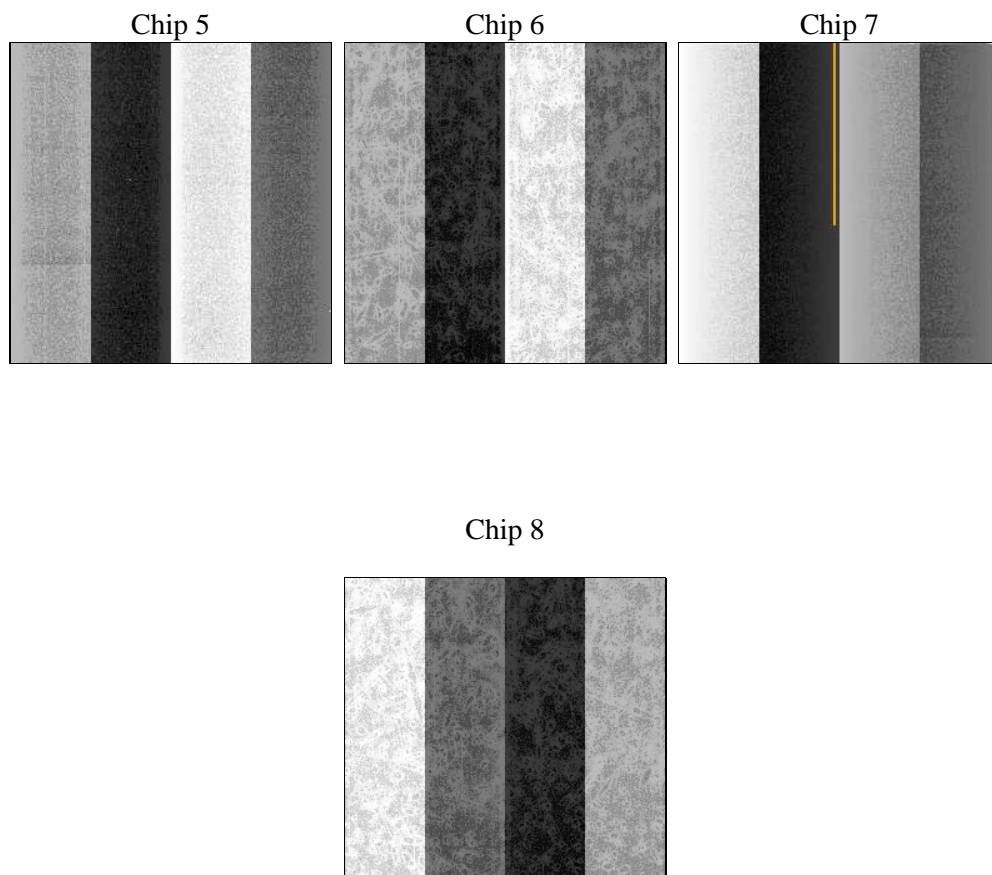
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4042.4000310898	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	4042.4000310898	Sum of GTIs [s]
date	2012-04-20T02:58:49	Date and time of file creation	ontime6	4042.4000310898	Sum of GTIs [s]
revision	3	Processing version of data	ontime7	4042.4000310898	Sum of GTIs [s]
			ontime8	4042.4000310898	Sum of GTIs [s]
			l1events	97856	Number of level 1 events

2.1.4 Events

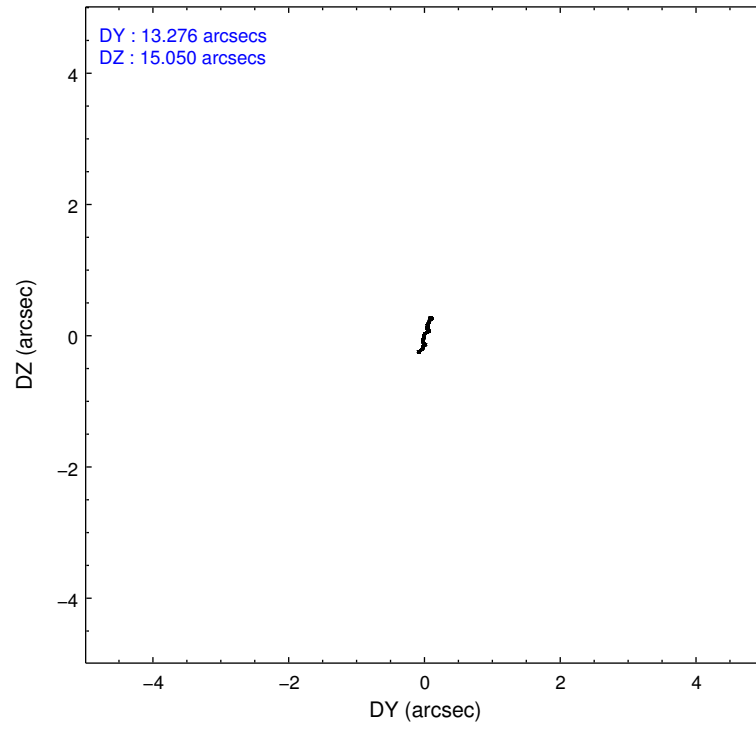
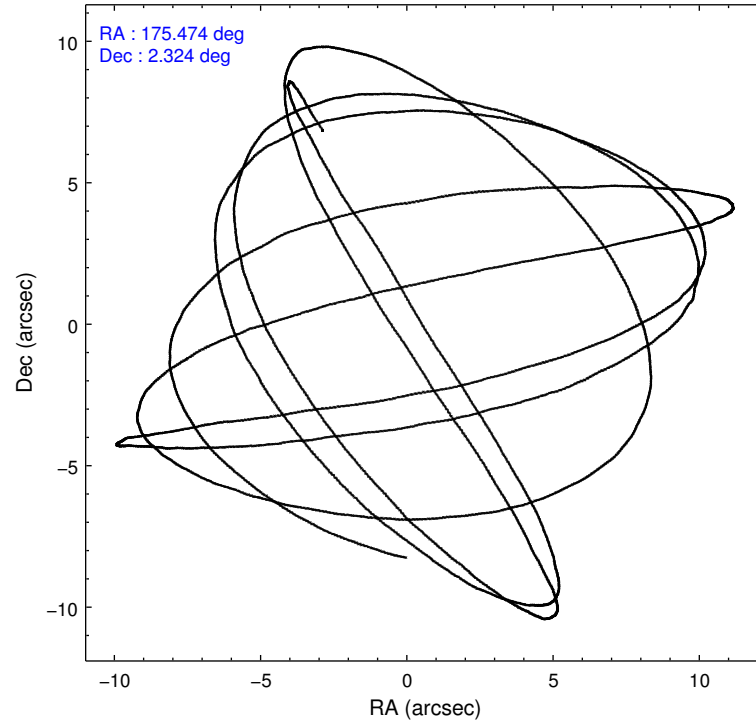
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25303	25337	14791	32425
rejected events	9226	23012	6132	23905
rejected %	36%	90%	41%	73%

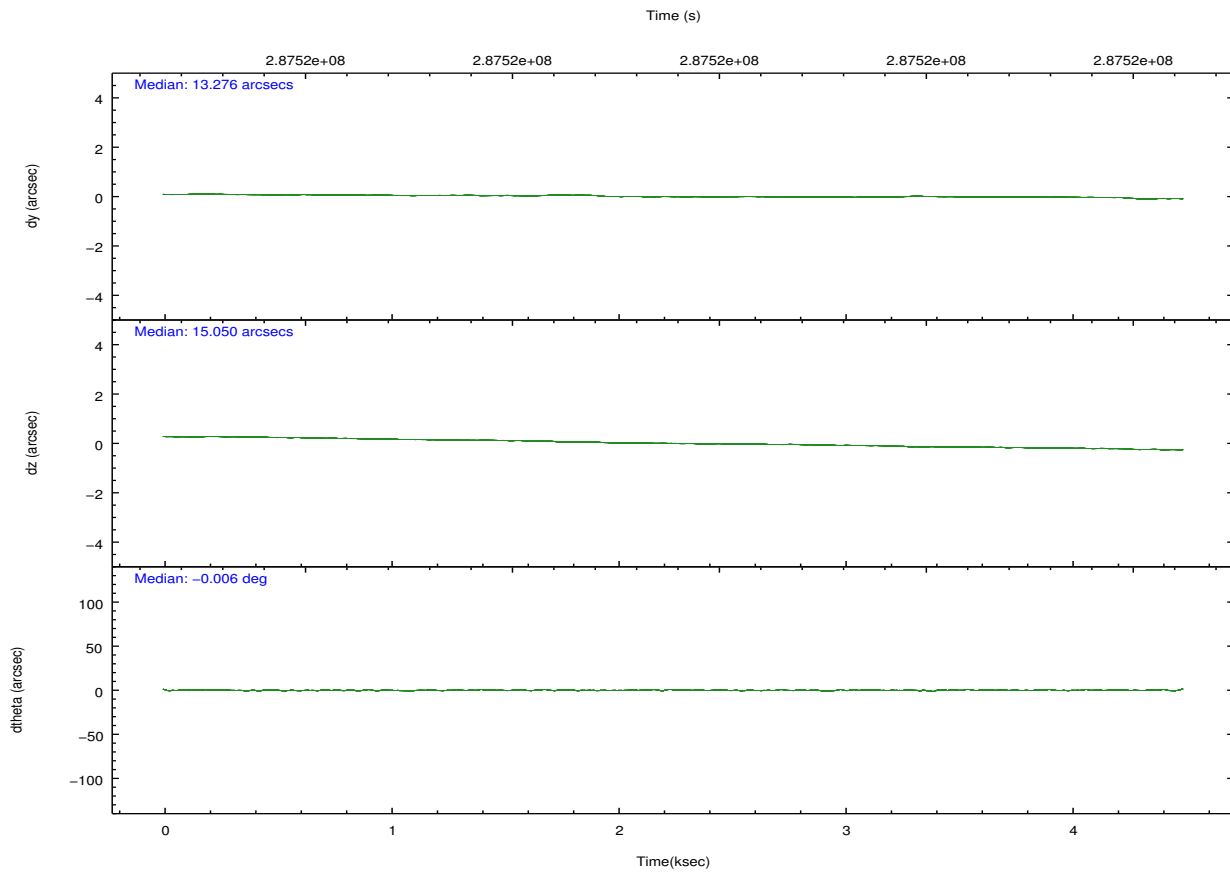
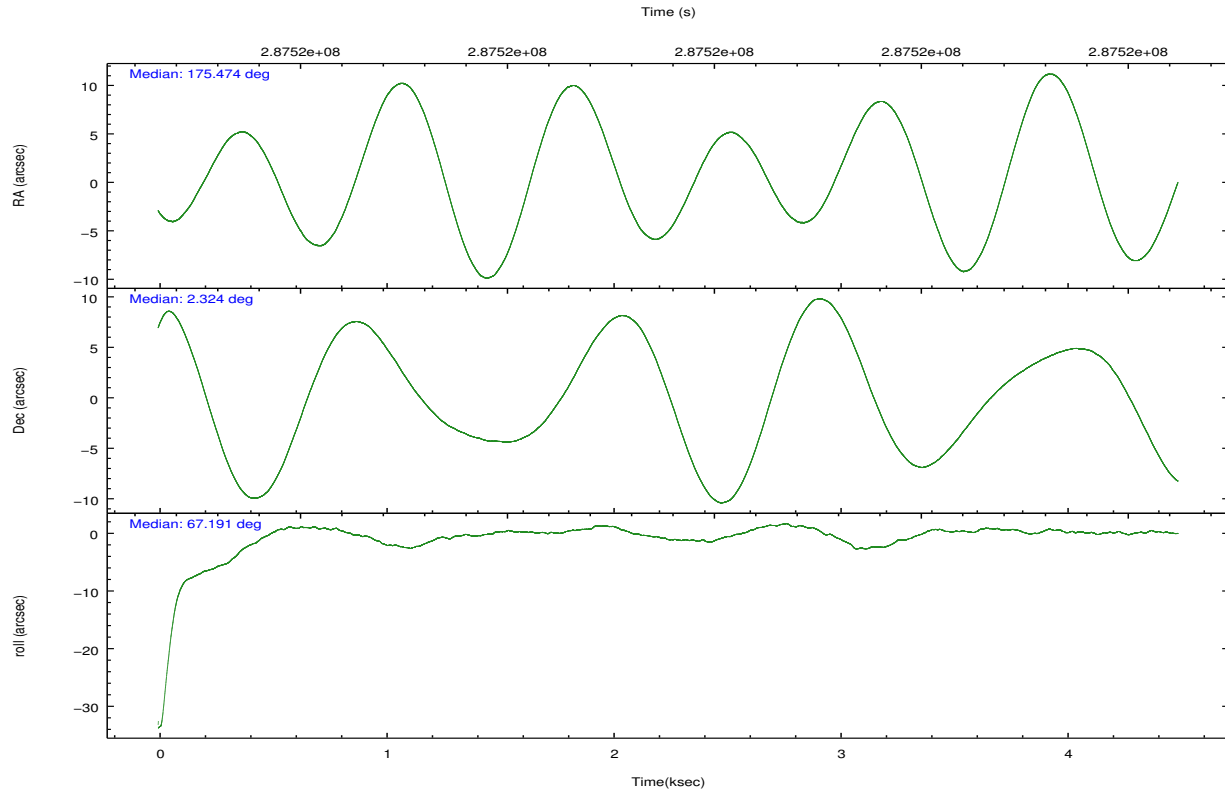
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4043	893	1184	2464
	15%	3%	8%	7%
grade 1 events	477	13	33	28
	1%	0%	0%	0%
grade 2 events	4562	521	1981	1935
	18%	2%	13%	5%
grade 3 events	700	281	951	911
	2%	1%	6%	2%
grade 4 events	702	269	918	964
	2%	1%	6%	2%
grade 5 events	1912	523	1595	922
	7%	2%	10%	2%
grade 6 events	6099	365	3634	2248
	24%	1%	24%	6%
grade 7 events	6808	22472	4495	22953
	26%	88%	30%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	175.477889	175.4739815285879	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.296950	2.324026646167353	Alternating exposures requested	N	N
[deg] Pointing Roll	67.038211	67.19493260225782	[s] Primary exposure time	0.000000	3.1
[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)	287518019.184000	287516995.49698			
Observation start date	2007-02-10T18:05:54	2007-02-10T17:49:55			
[s] Observation end time (MET)	287522019.184000	287522908.72227			
Observation end date	2007-02-10T19:12:34	2007-02-10T19:28:28			
Read mode	TIMED	TIMED			

2.3 Aspect



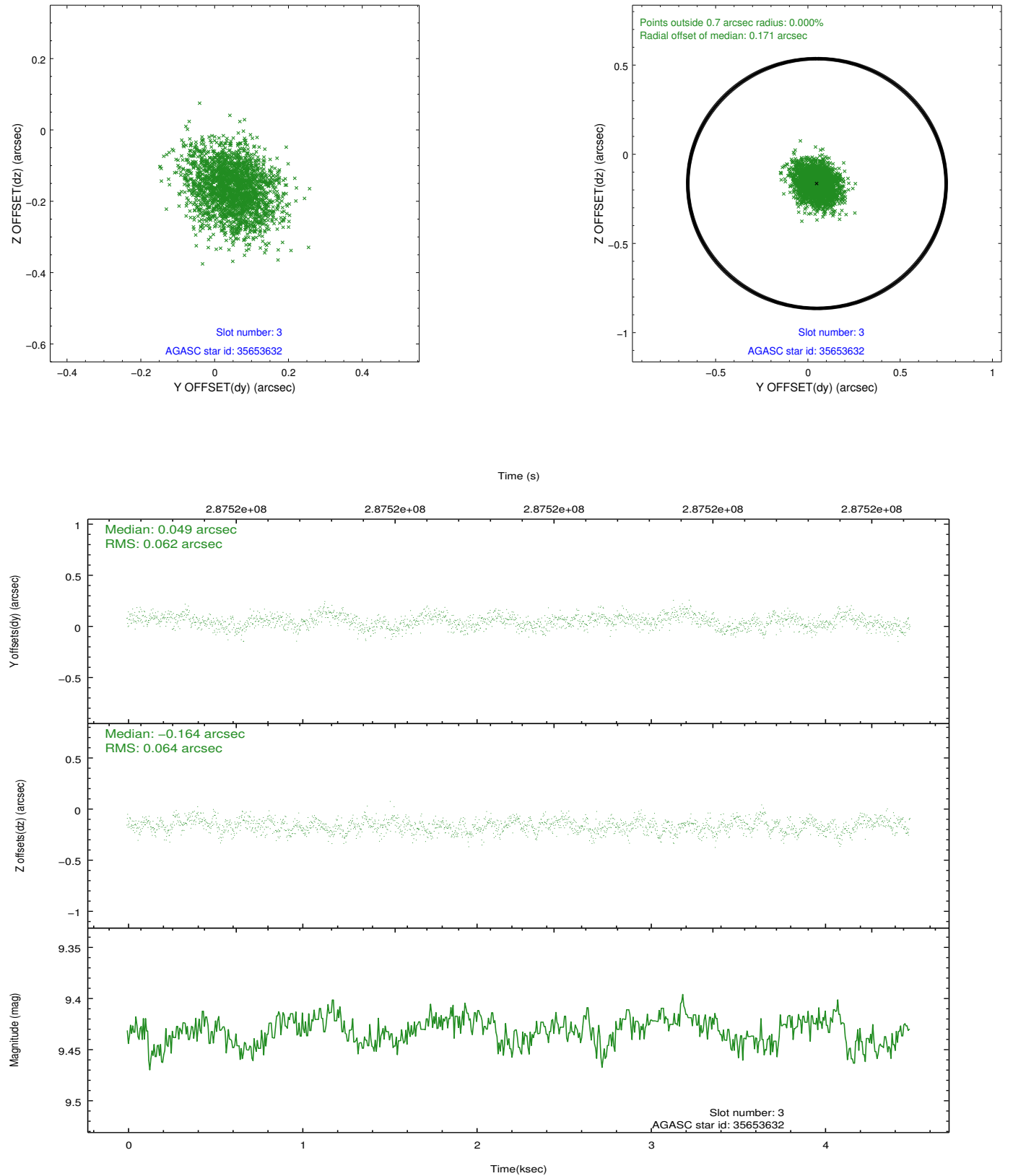


Slot Statistics

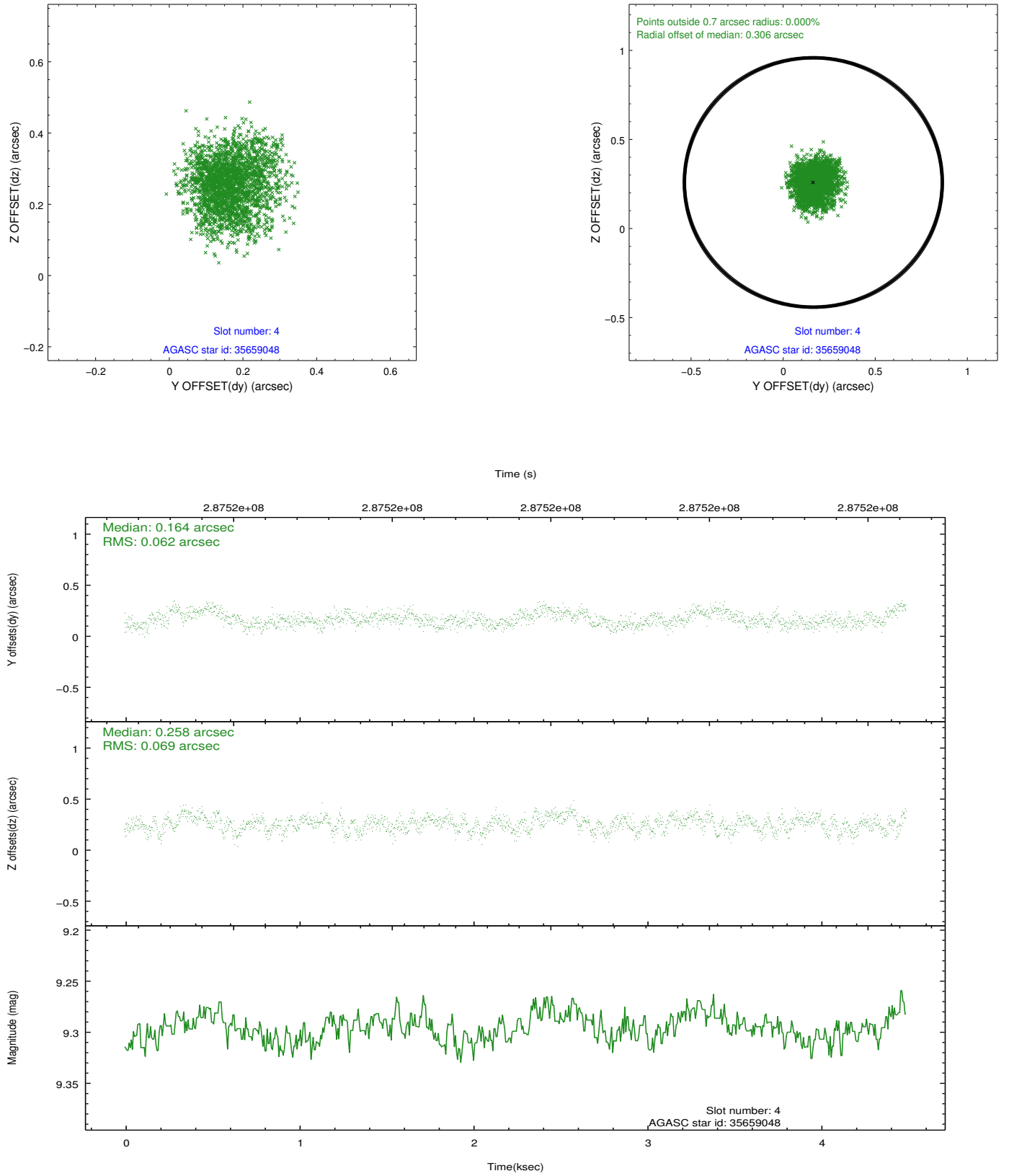
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1096	0.041	-0.050	0.011	0.017	0.000000	0.000000	929.87	-1732.12
1	FID	ACIS-S-4	7.20	1096	0.141	0.019	0.008	0.013	0.000000	0.000000	2148.12	170.70
2	FID	ACIS-S-5	7.23	1096	-0.209	0.043	0.006	0.012	0.000000	0.000000	-1817.51	165.84
3	GUIDE	35653632	9.43	2185	0.049	-0.164	0.097	0.152	175.530050	2.442815	556.99	31.85
4	GUIDE	35659048	9.30	2192	0.164	0.258	0.101	0.159	175.742282	2.054880	-430.35	-1215.64
5	GUIDE	36045264	8.57	2192	-0.228	-0.180	0.059	0.097	175.420365	2.870668	1820.86	995.75
6	GUIDE	36045680	8.90	2193	-0.055	0.210	0.068	0.110	175.537896	2.878377	2012.59	618.53
7	GUIDE	36048664	9.41	2189	0.070	-0.122	0.095	0.153	175.377330	3.006558	2212.20	1329.97

2.4 Star Slots

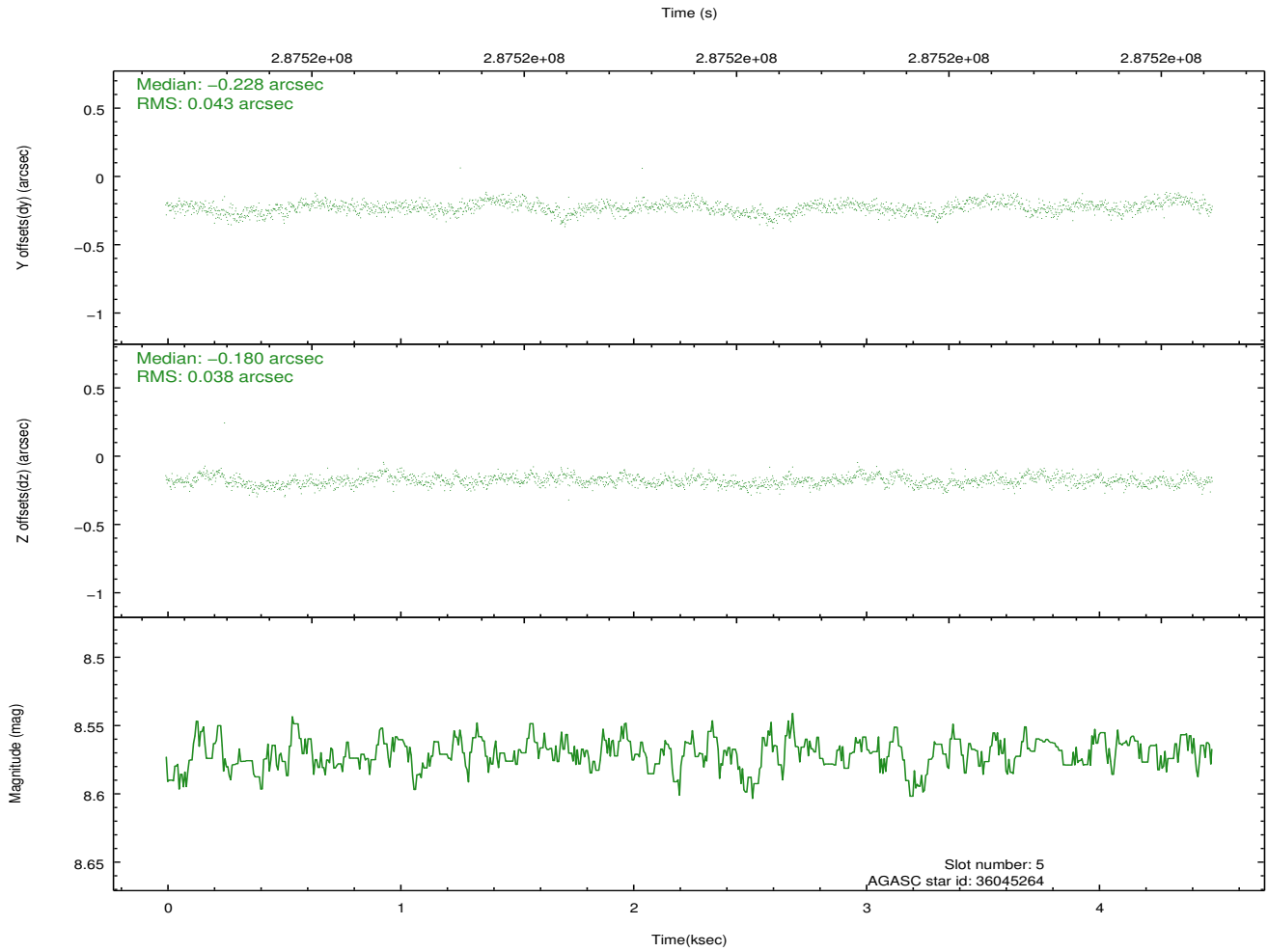
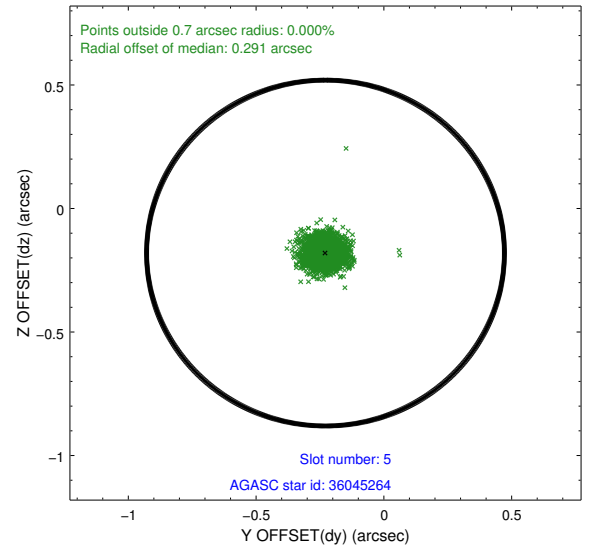
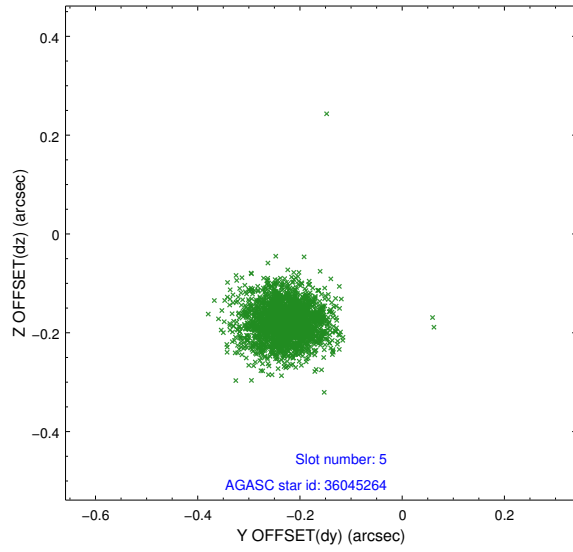
2.4.1 Slot 3



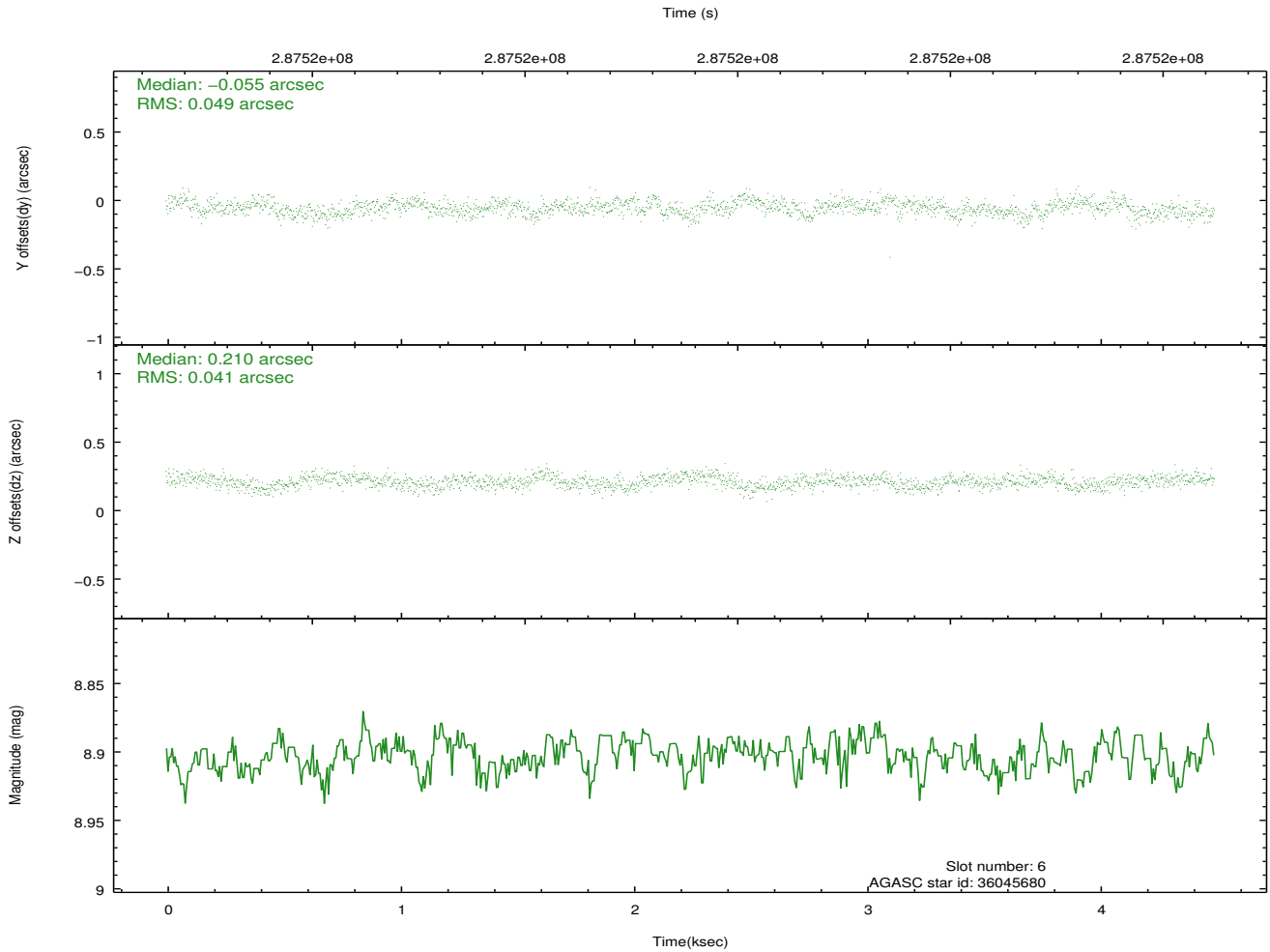
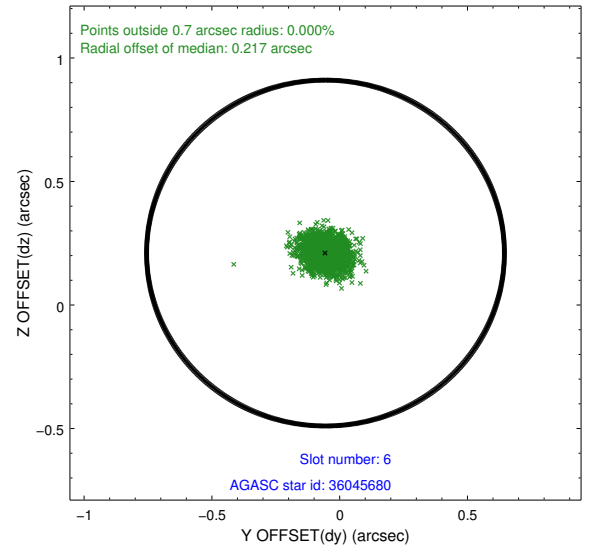
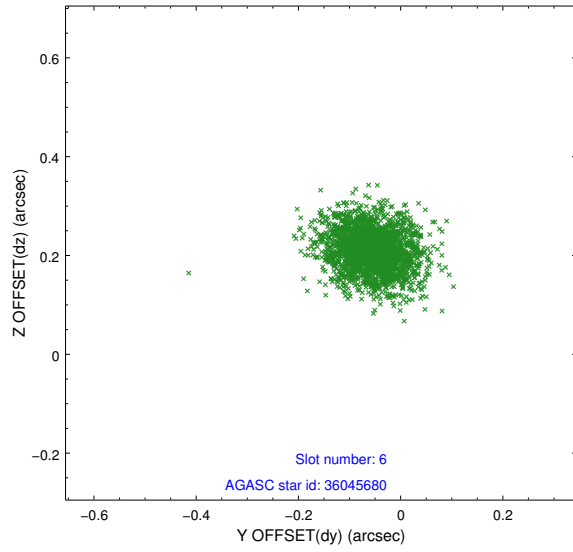
2.4.2 Slot 4



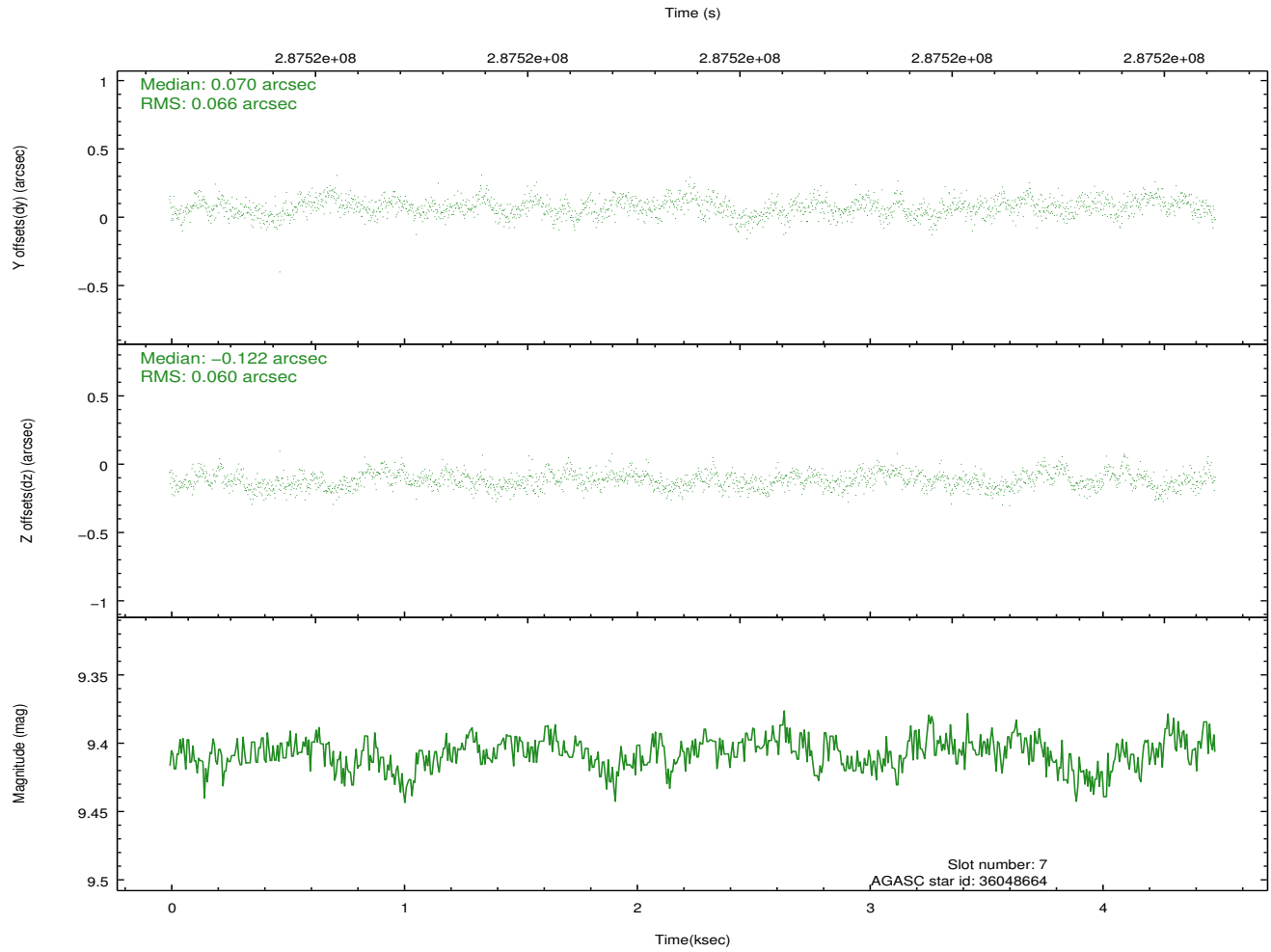
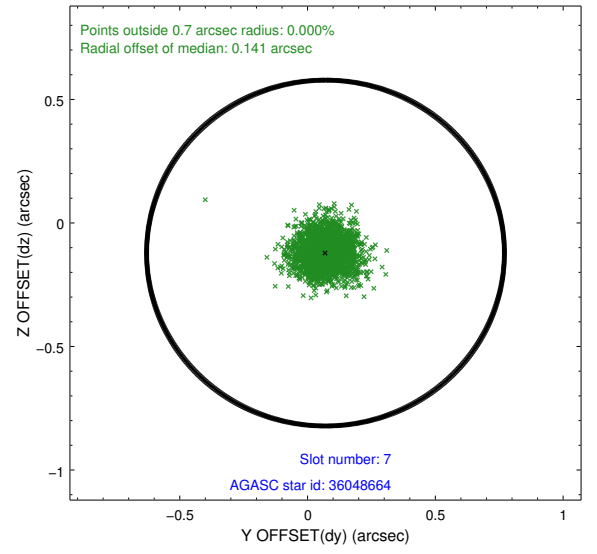
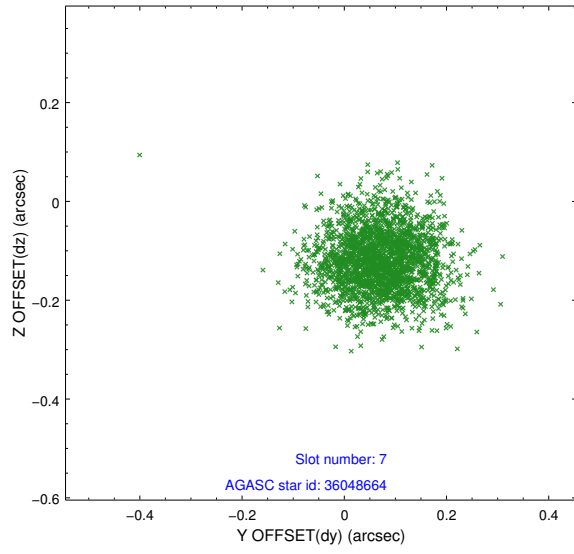
2.4.3 Slot 5



2.4.4 Slot 6

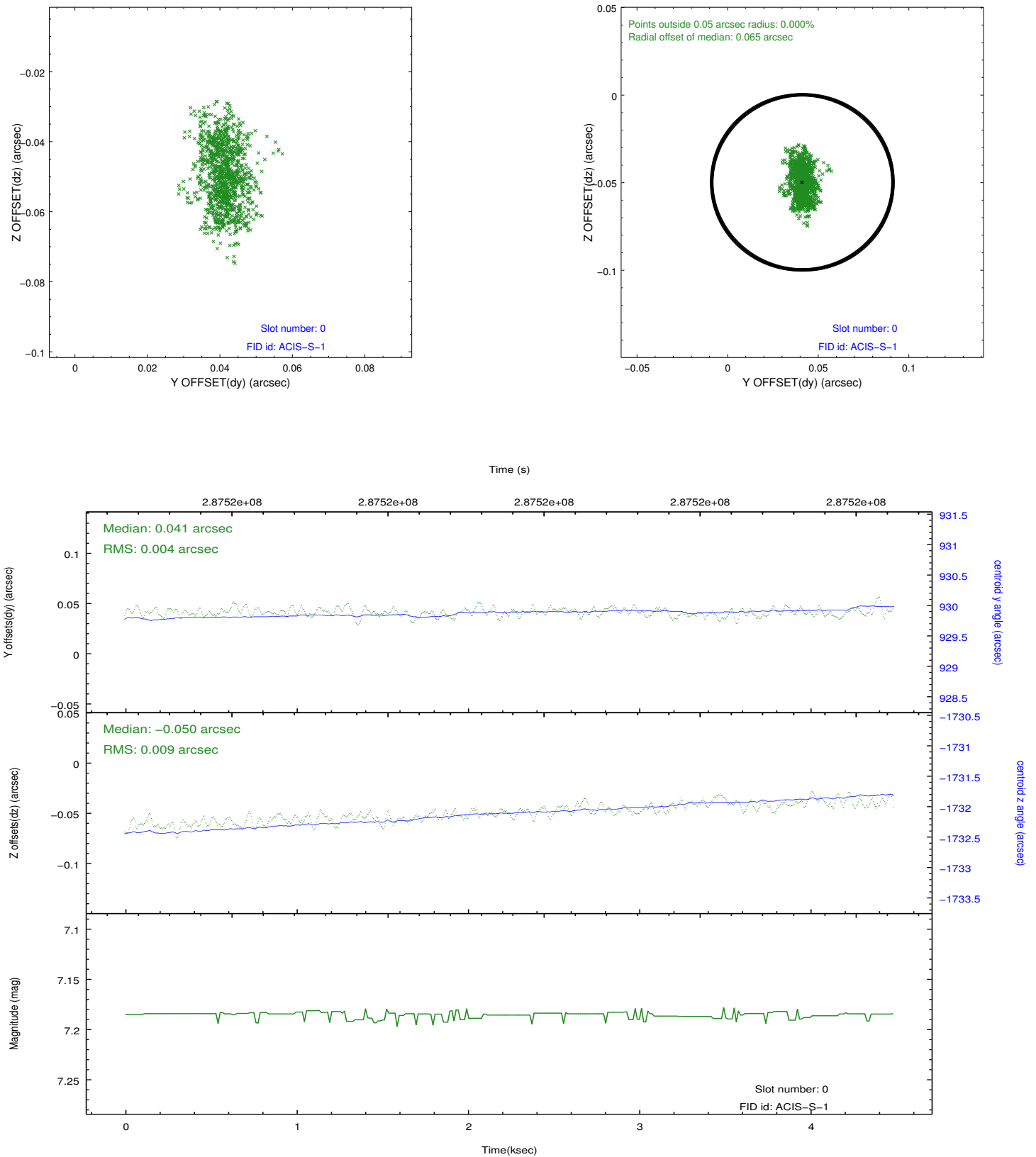


2.4.5 Slot 7

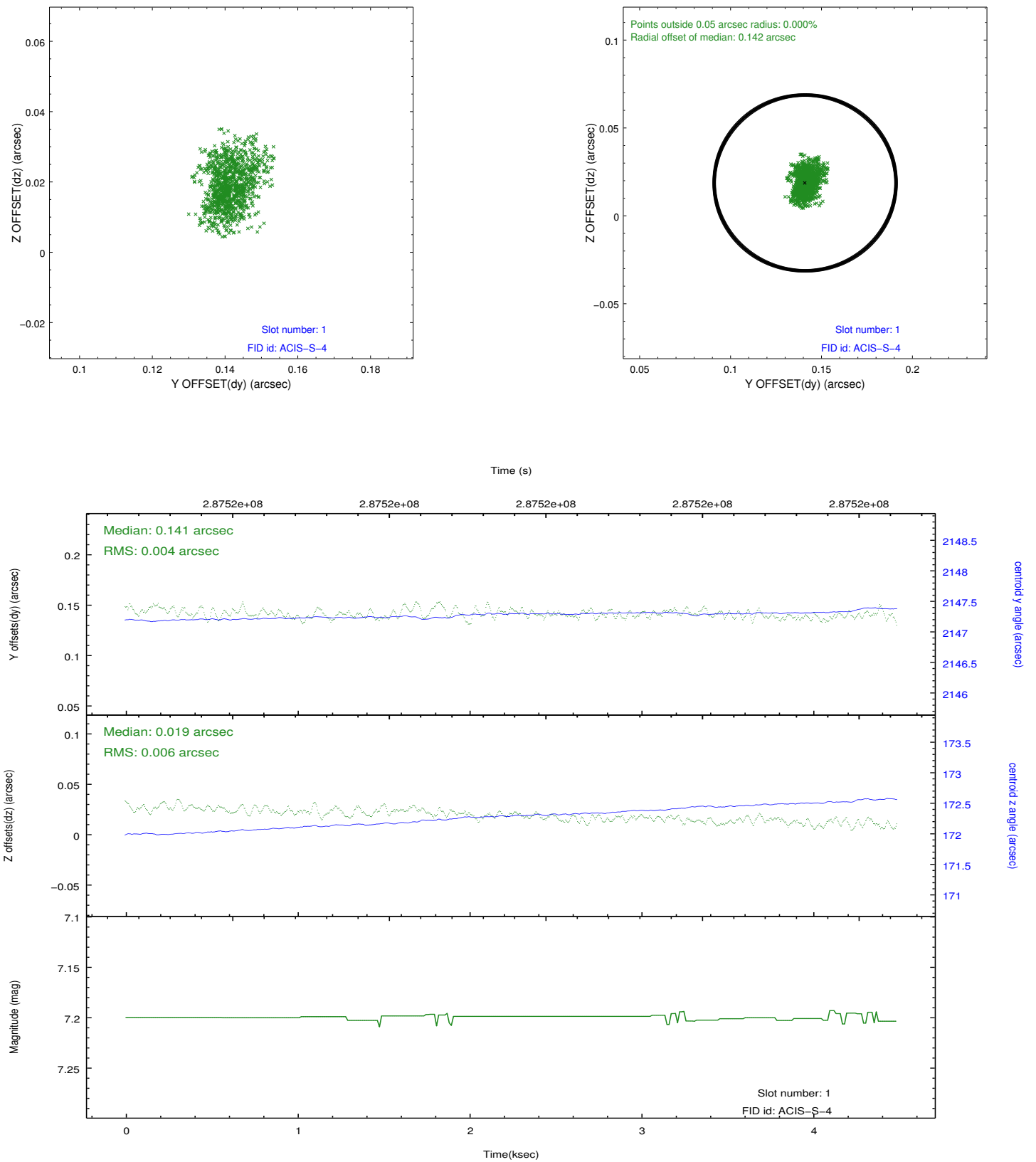


2.5 FID Slots

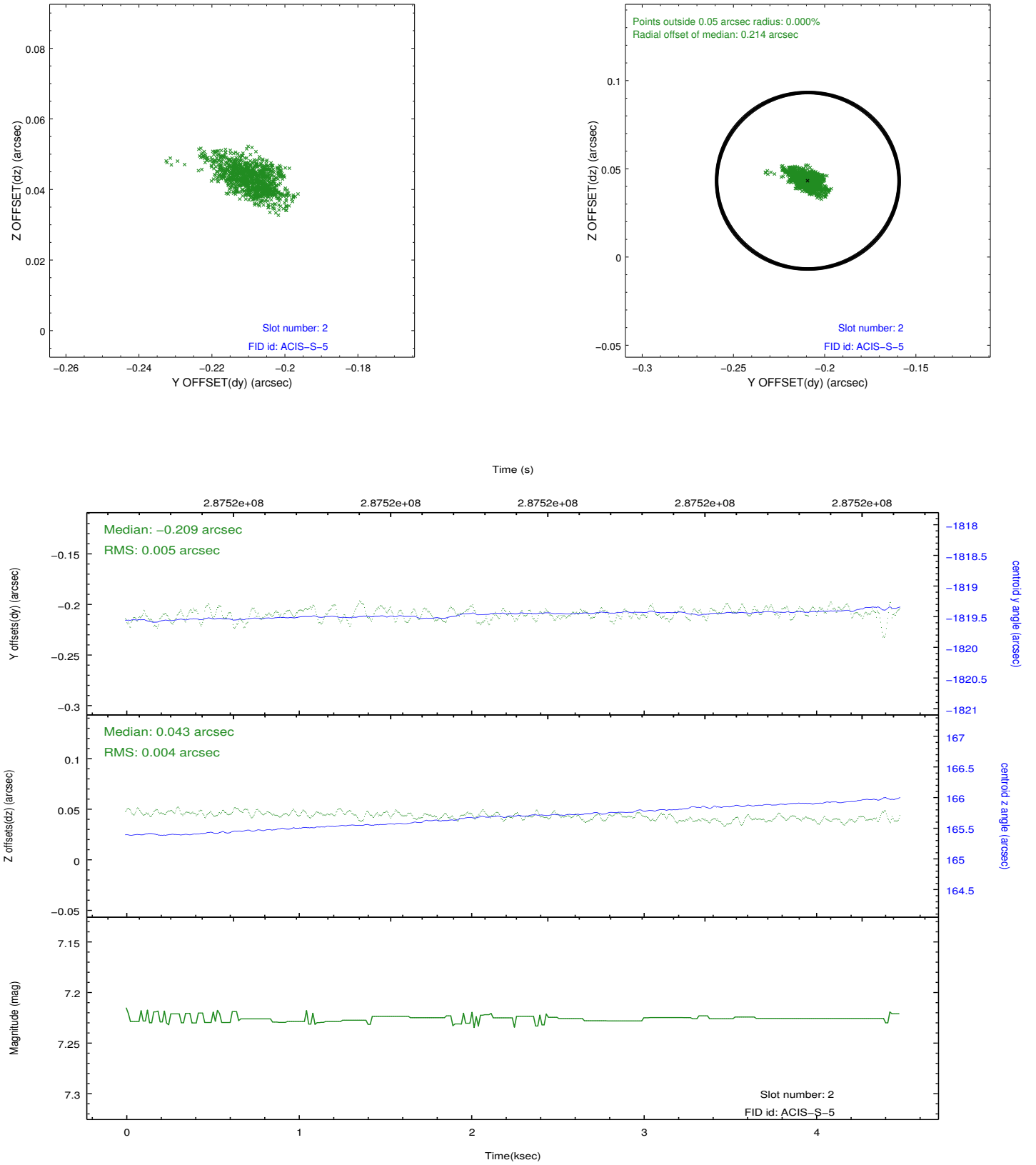
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.04240003

A.2 Comments