

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18133 - L2 Version 1
Chandra X-Ray Center

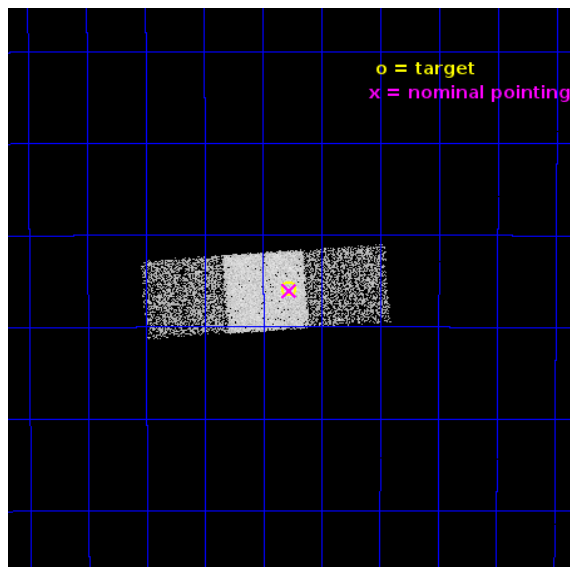
L2 Processing Date : May 21 2016

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1 Front

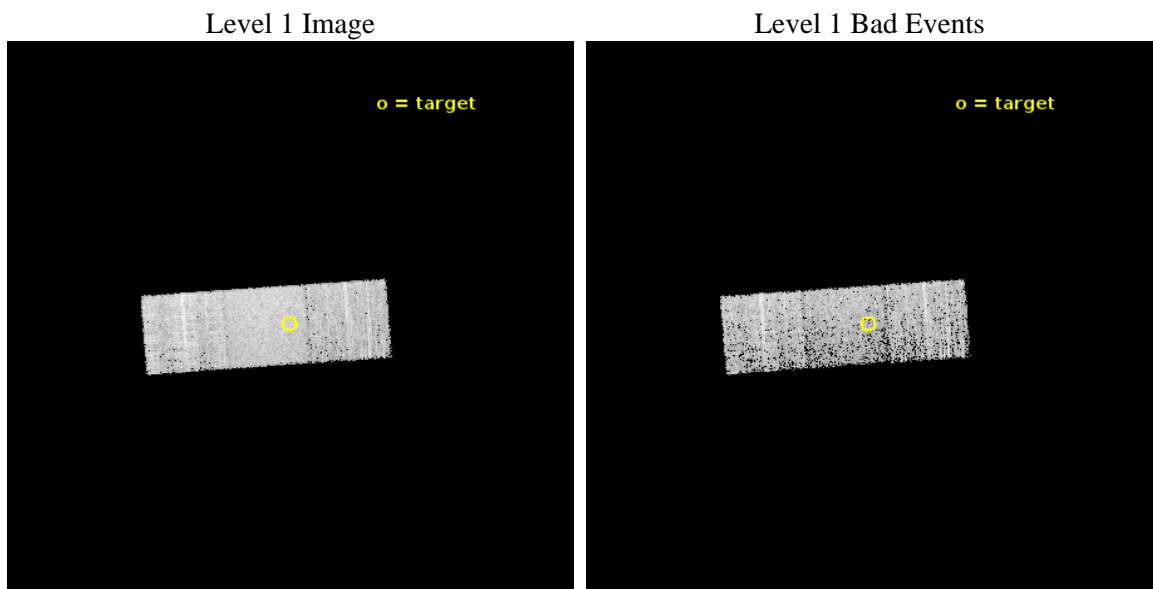
seq_num	703199	Sequence number
obs_id	18133	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc148	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.82	Observer's specified target RA [deg]
dec_targ	-35.265667	Observer's specified target Dec [deg]
ra_nom	53.818763326554	Nominal RA [deg]
dec_nom	-35.268079041145	Nominal Dec [deg]
roll_nom	175.79703507226	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4912.6466966867	Sum of GTIs [s]
livetime	4848.4593509566	Livetime [s]
ontime6	4912.605656743	Sum of GTIs [s]
ontime7	4912.6466966867	Sum of GTIs [s]
ontime8	4912.5646166801	Sum of GTIs [s]
l2events	22909	Number of level 2 events



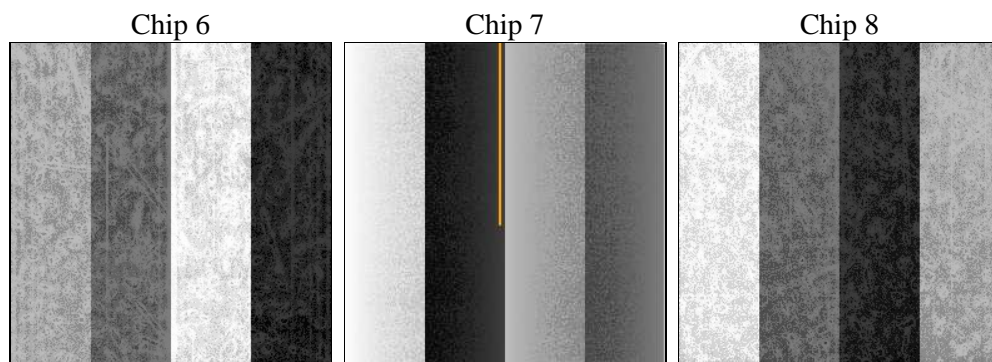
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	4912.6466966867	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	4912.605656743	Sum of GTIs [s]
date	2016-05-21T10:34:19	Date and time of file creation	ontime7	4912.6466966867	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4912.5646166801	Sum of GTIs [s]
			l1events	109063	Number of level 1 events

2.1.4 Events

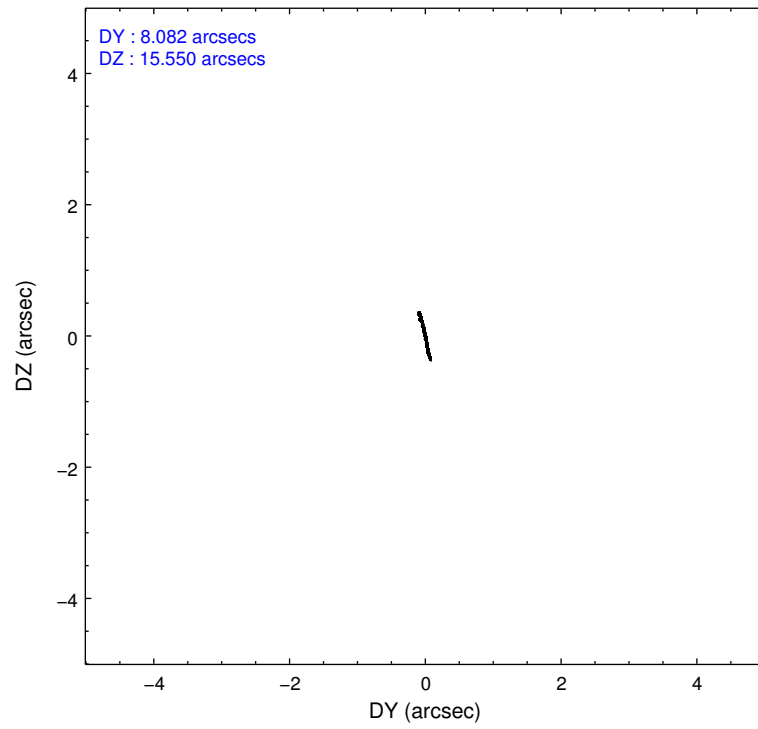
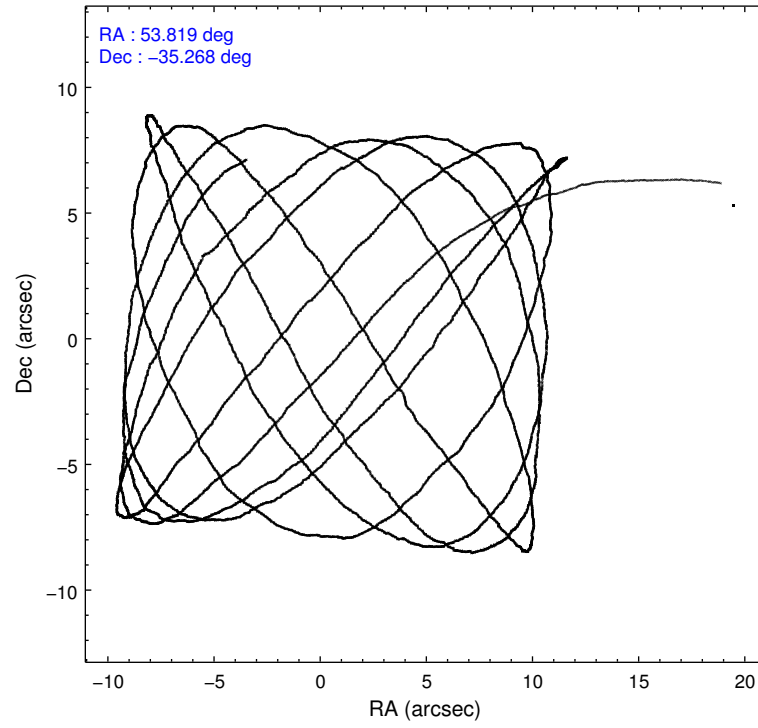
	ccd 6	ccd 7	ccd 8
level 1 events	29927	39040	40096
rejected events	26439	22299	29254
rejected %	88%	57%	72%

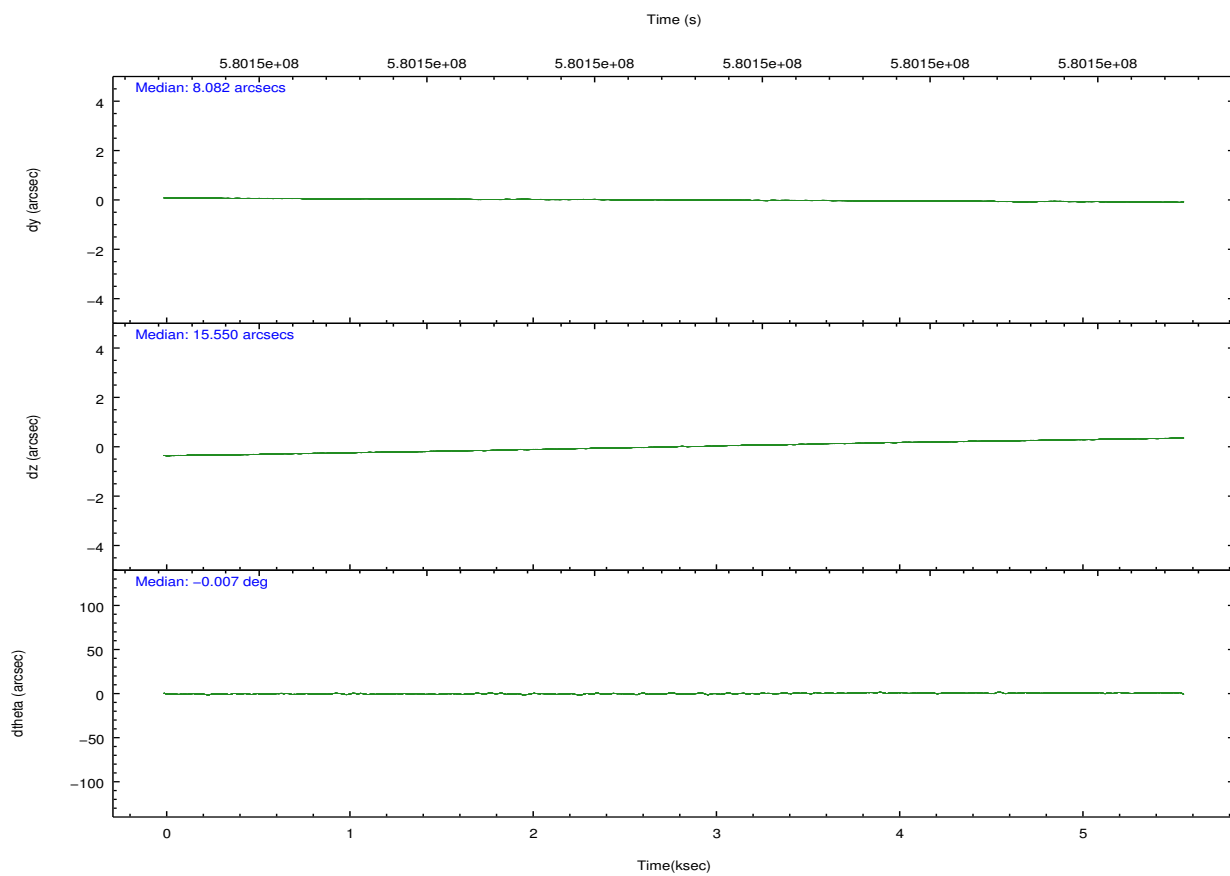
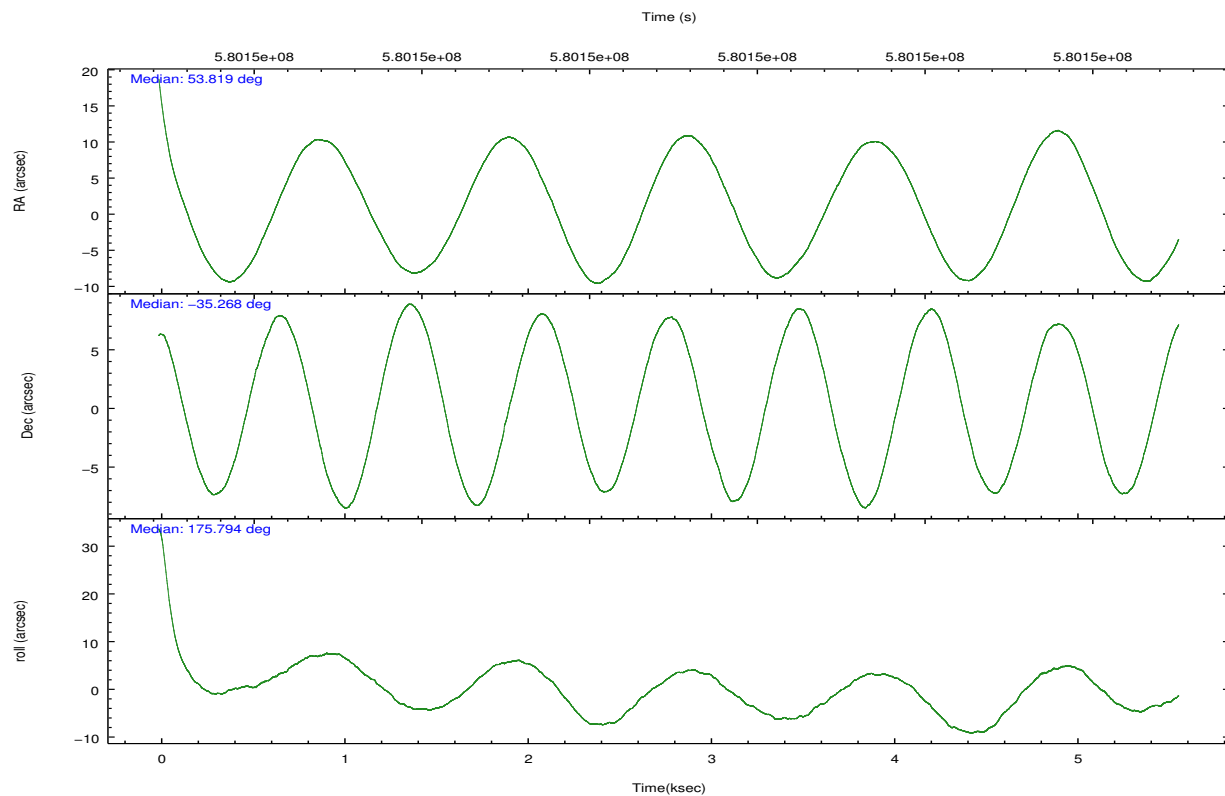
	ccd 6	ccd 7	ccd 8
grade 0 events	1139	1489	3117
	3%	3%	7%
grade 1 events	20	43	33
	0%	0%	0%
grade 2 events	870	3575	2608
	2%	9%	6%
grade 3 events	323	1288	1079
	1%	3%	2%
grade 4 events	321	1332	1018
	1%	3%	2%
grade 5 events	1436	3751	2099
	4%	9%	5%
grade 6 events	840	9078	3047
	2%	23%	7%
grade 7 events	24978	18484	27095
	83%	47%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	53.848935	53.81876332655442	CCD I2 on	N	N
[deg] Pointing Dec	-35.255778	-35.26807904114539	CCD I3 on	N	N
[deg] Pointing Roll	175.657811	175.7970350722608	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	580147437.184000	580145874.60561	CCD S5 on	N	N
Observation start date	2016-05-20T16:02:49	2016-05-20T15:37:54	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	580152237.184000	580152412.56848	On-chip summing requested	N	N
Observation end date	2016-05-20T17:22:49	2016-05-20T17:26:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



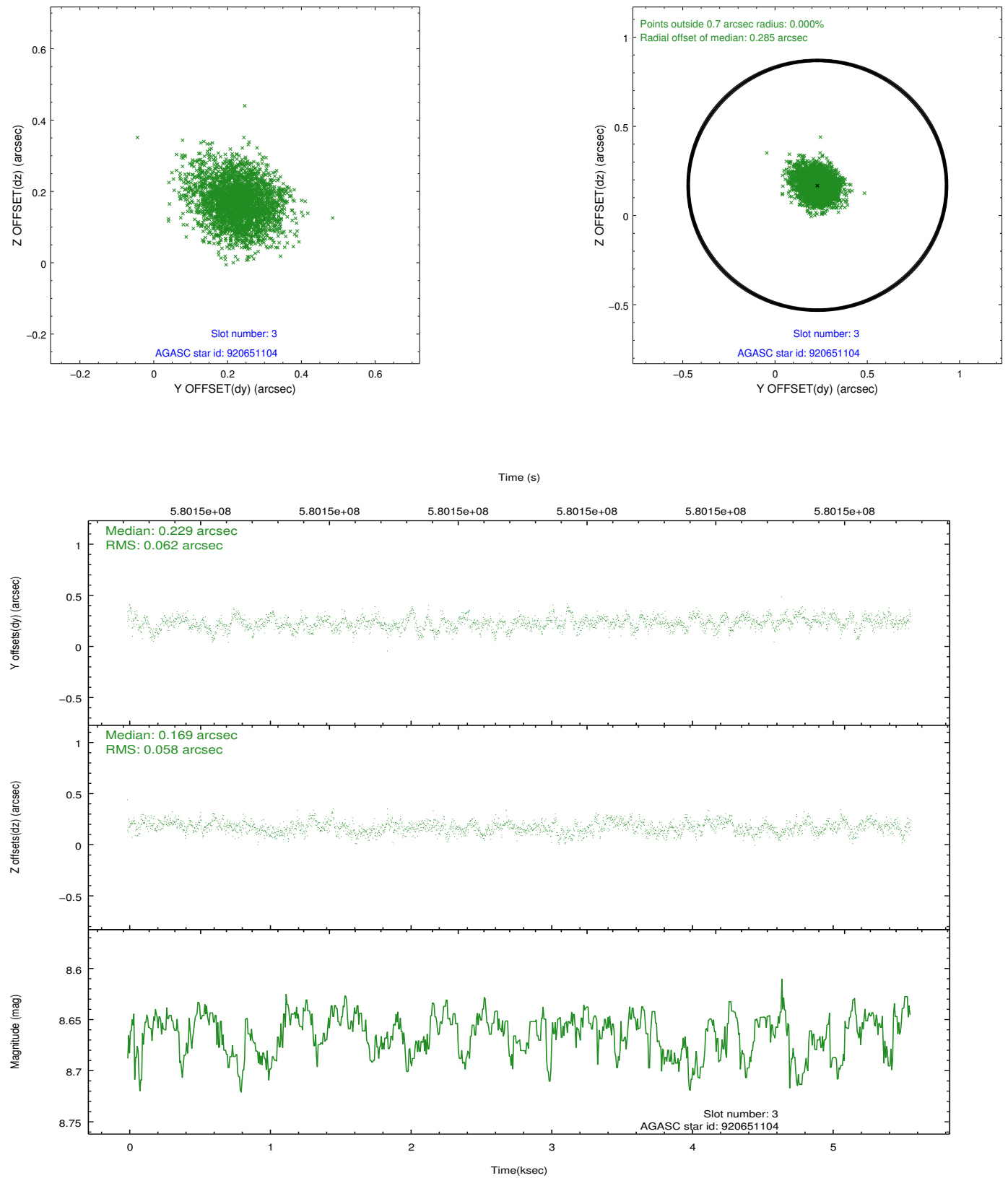


Slot Statistics

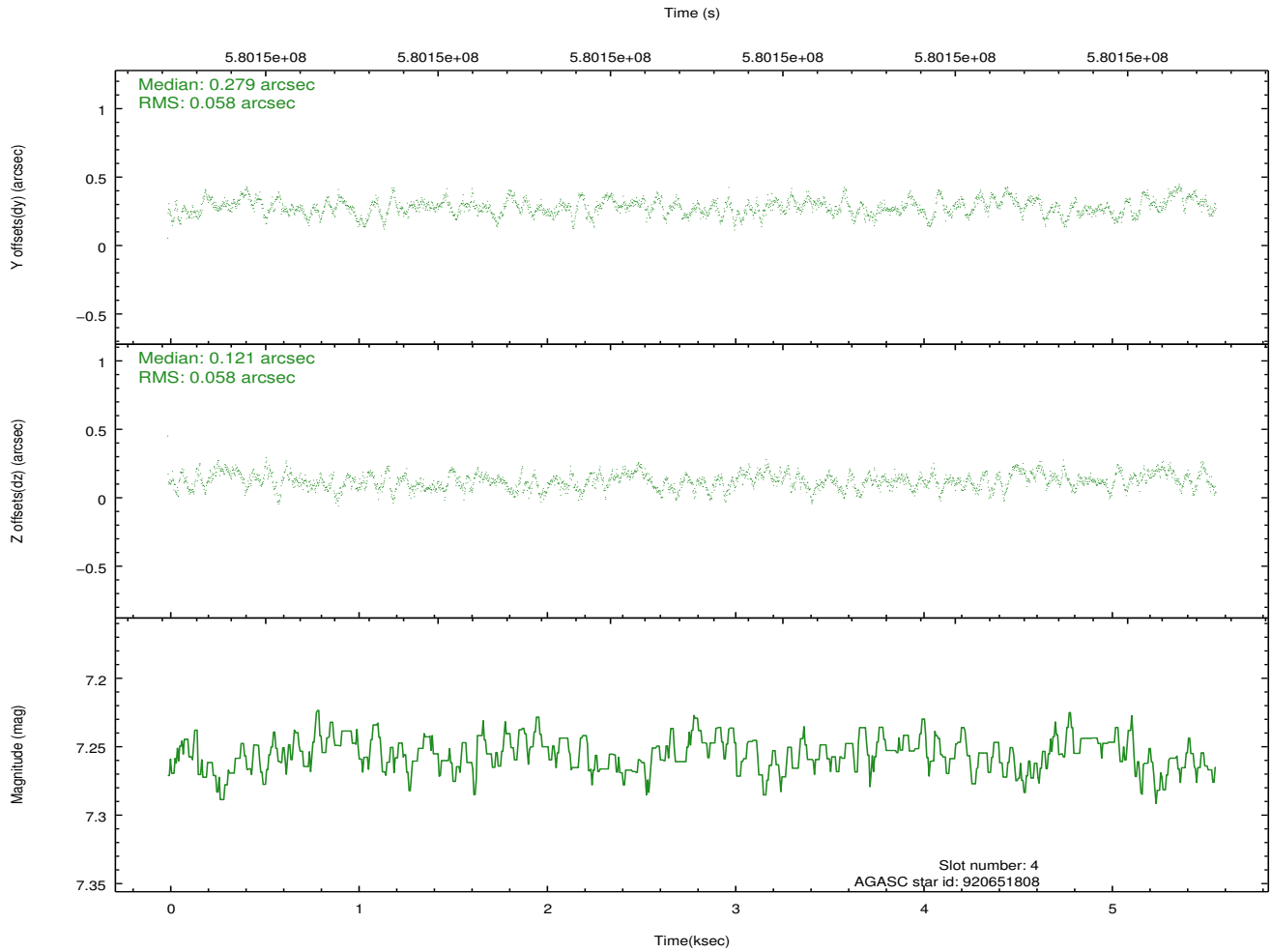
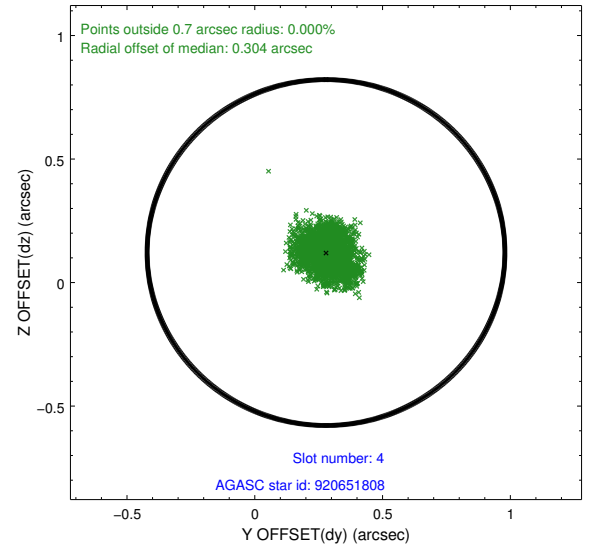
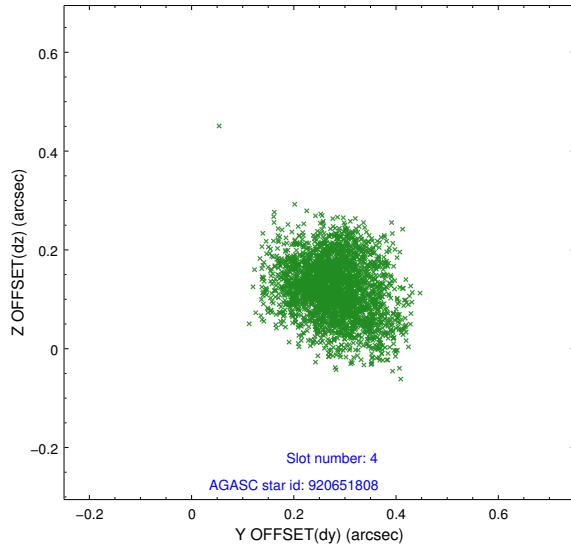
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	1358	0.032	-0.077	0.018	0.027	0.000000	0.000000	935.26	-1732.63
1	FID		ACIS-S-4	7.23	1358	0.255	0.044	0.010	0.015	0.000000	0.000000	2153.43	170.58
2	FID		ACIS-S-5	7.23	1358	-0.316	0.046	0.011	0.017	0.000000	0.000000	-1812.64	165.28
3	GUIDE	used	920651104	8.66	2716	0.229	0.169	0.090	0.147	53.495721	-34.796351	1166.56	-1567.67
4	GUIDE	used	920651808	7.26	2716	0.279	0.121	0.089	0.142	53.624364	-34.832415	777.77	-1468.11
5	GUIDE	used	921048648	9.02	2716	-0.094	-0.355	0.105	0.166	53.884610	-35.870023	-271.61	2195.51
6	GUIDE	used	921571056	8.53	2713	-0.819	-0.045	0.094	0.148	54.339011	-34.649674	-1283.34	-2281.16
7	GUIDE	used	921575736	8.51	2714	0.407	0.110	0.085	0.144	54.586331	-34.827401	-2057.08	-1695.51

2.4 Star Slots

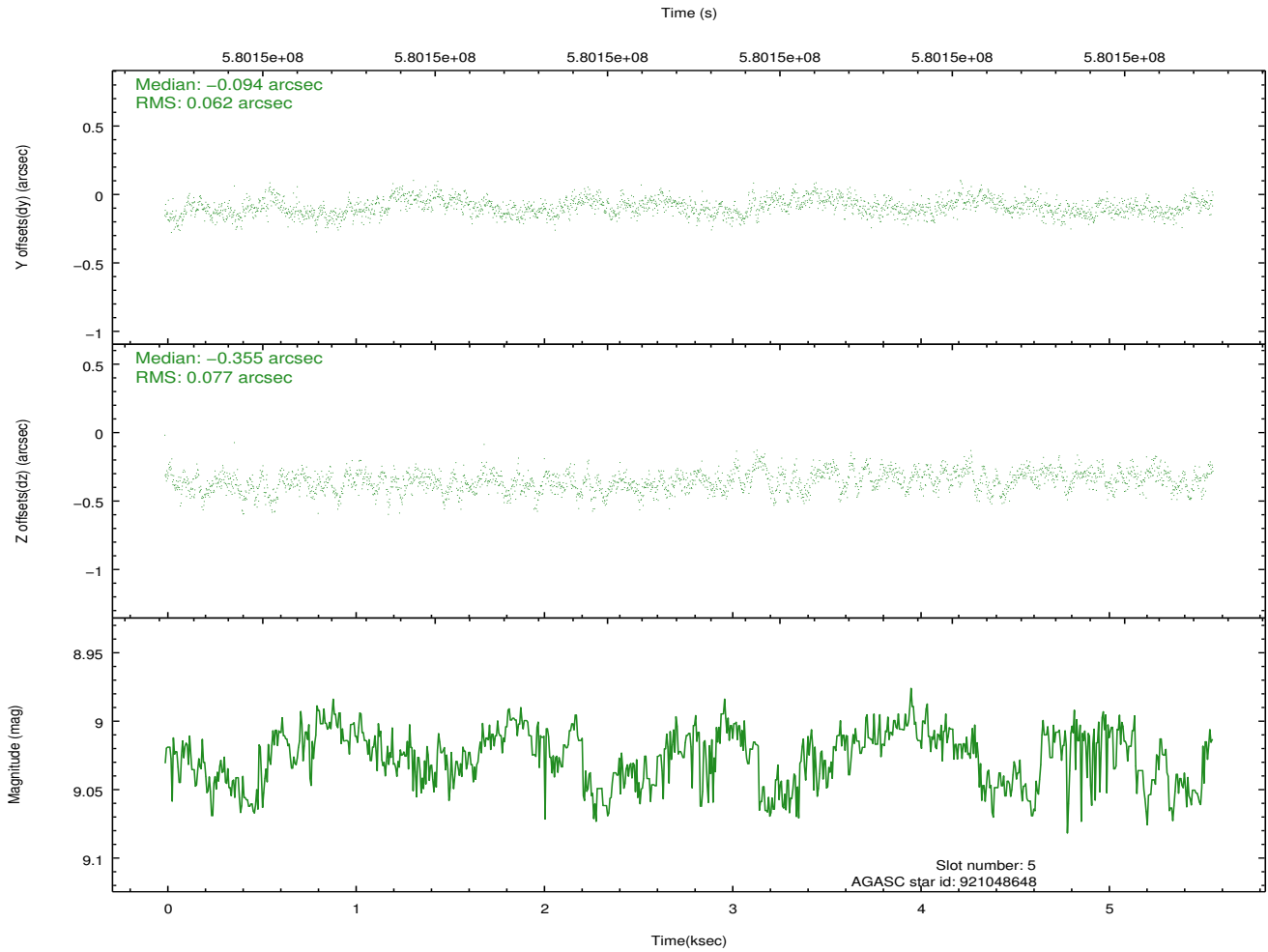
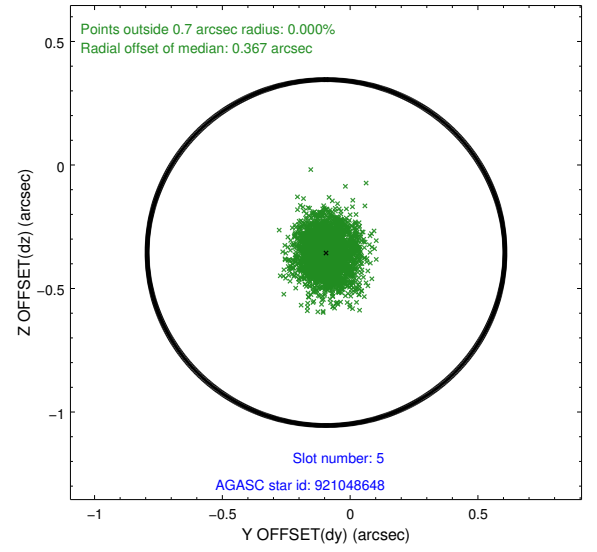
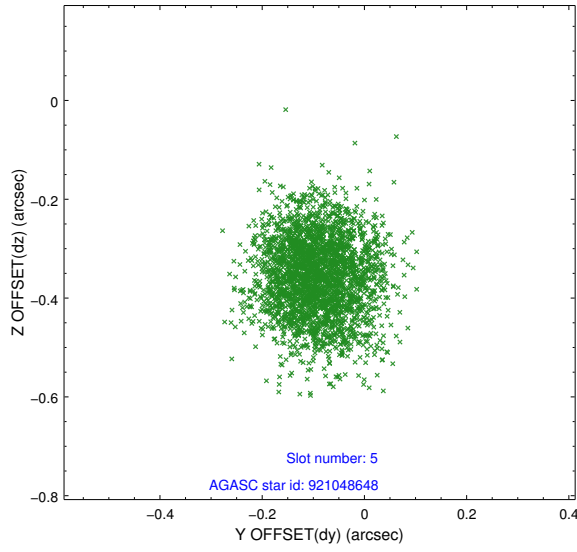
2.4.1 Slot 3



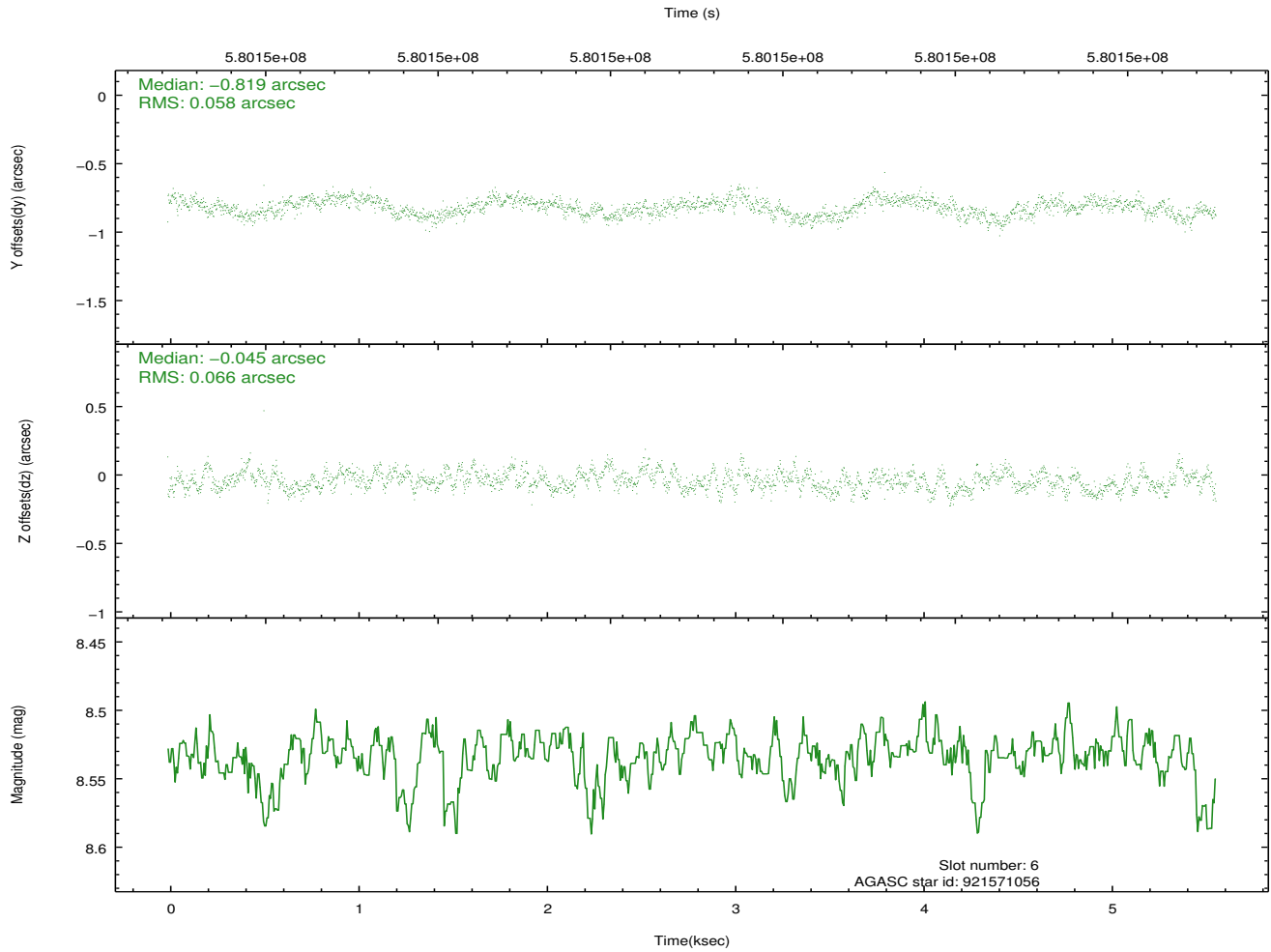
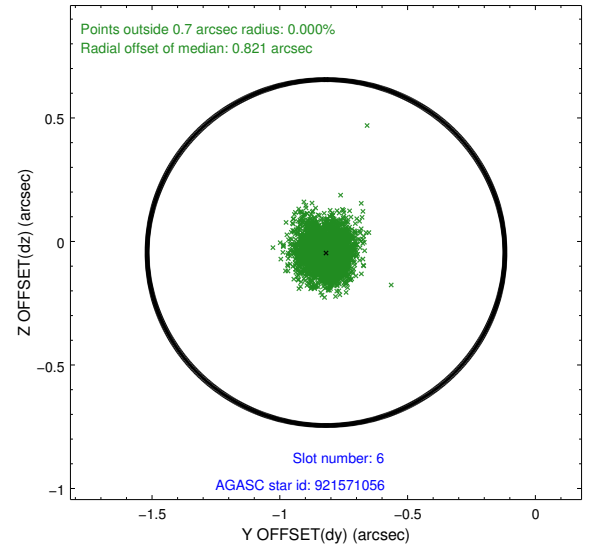
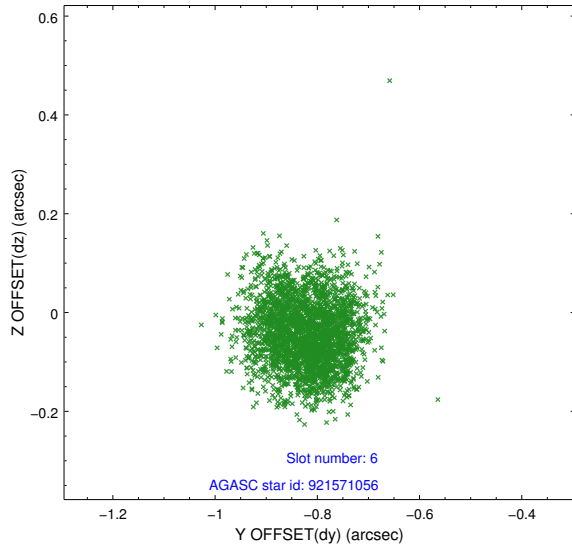
2.4.2 Slot 4



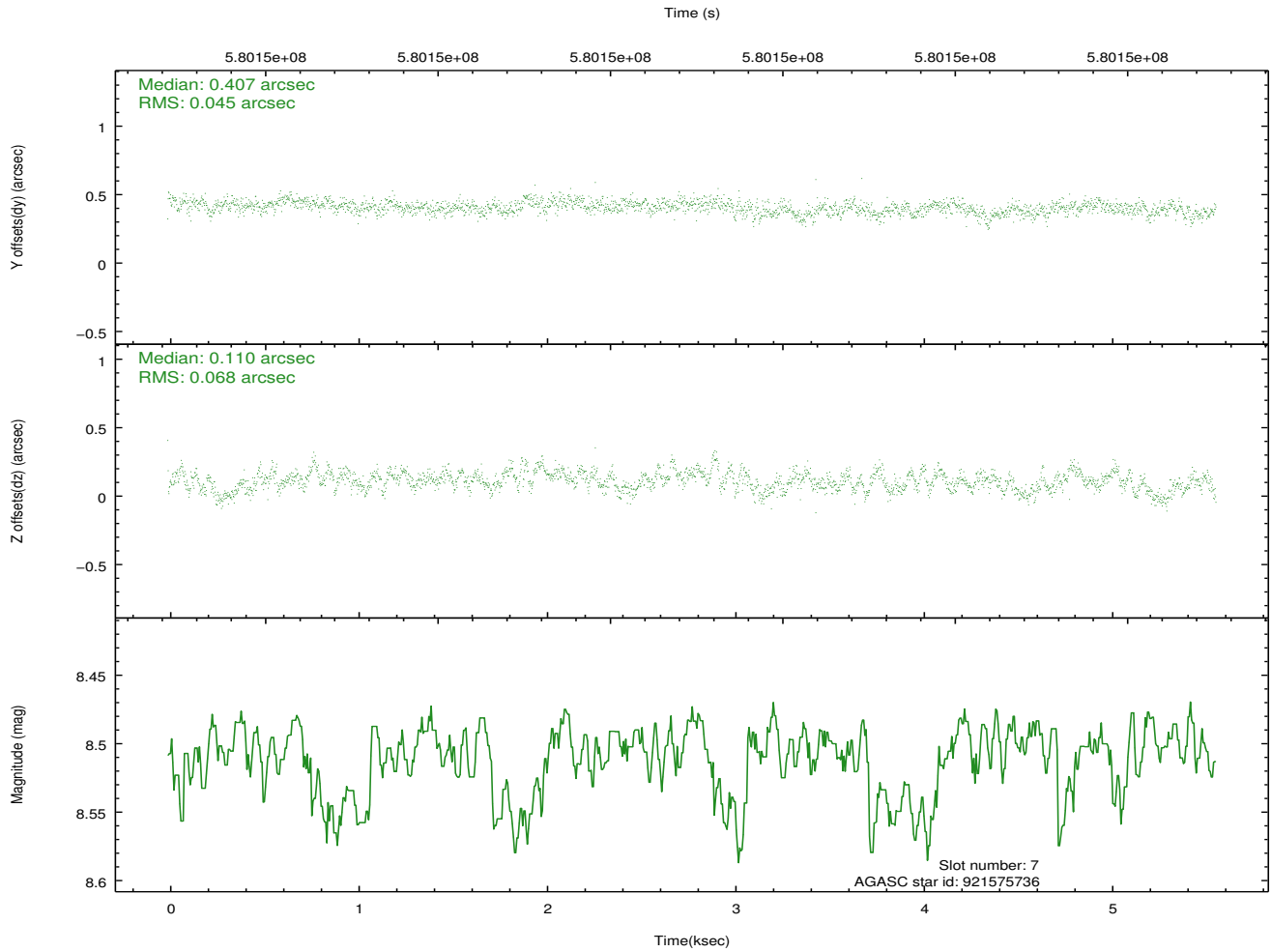
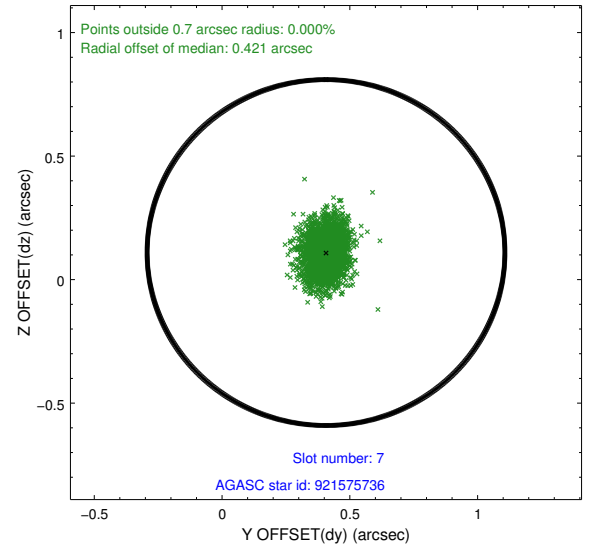
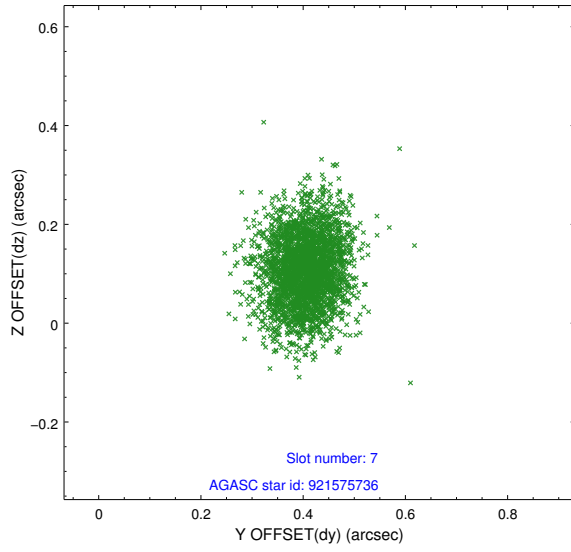
2.4.3 Slot 5



2.4.4 Slot 6

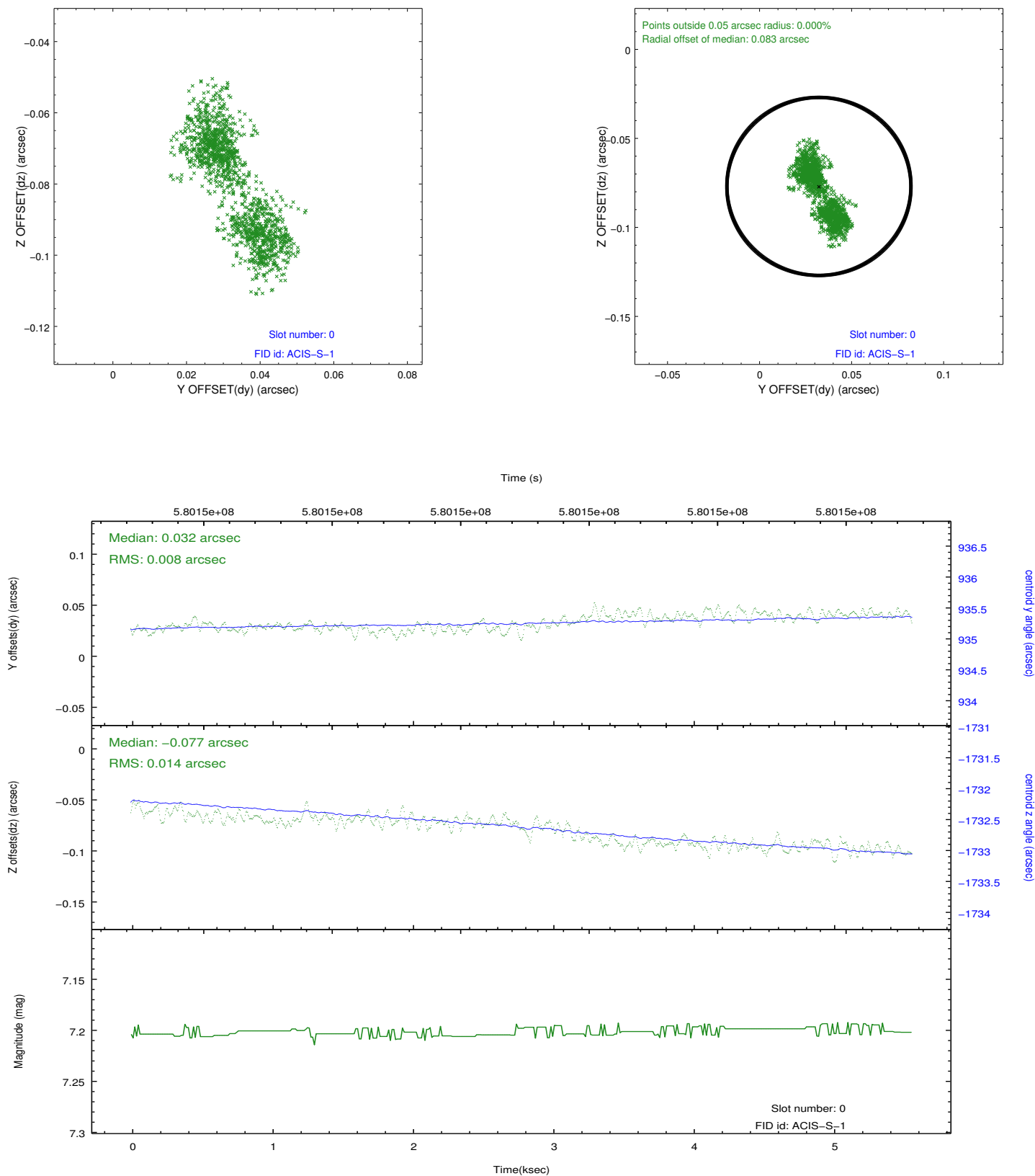


2.4.5 Slot 7

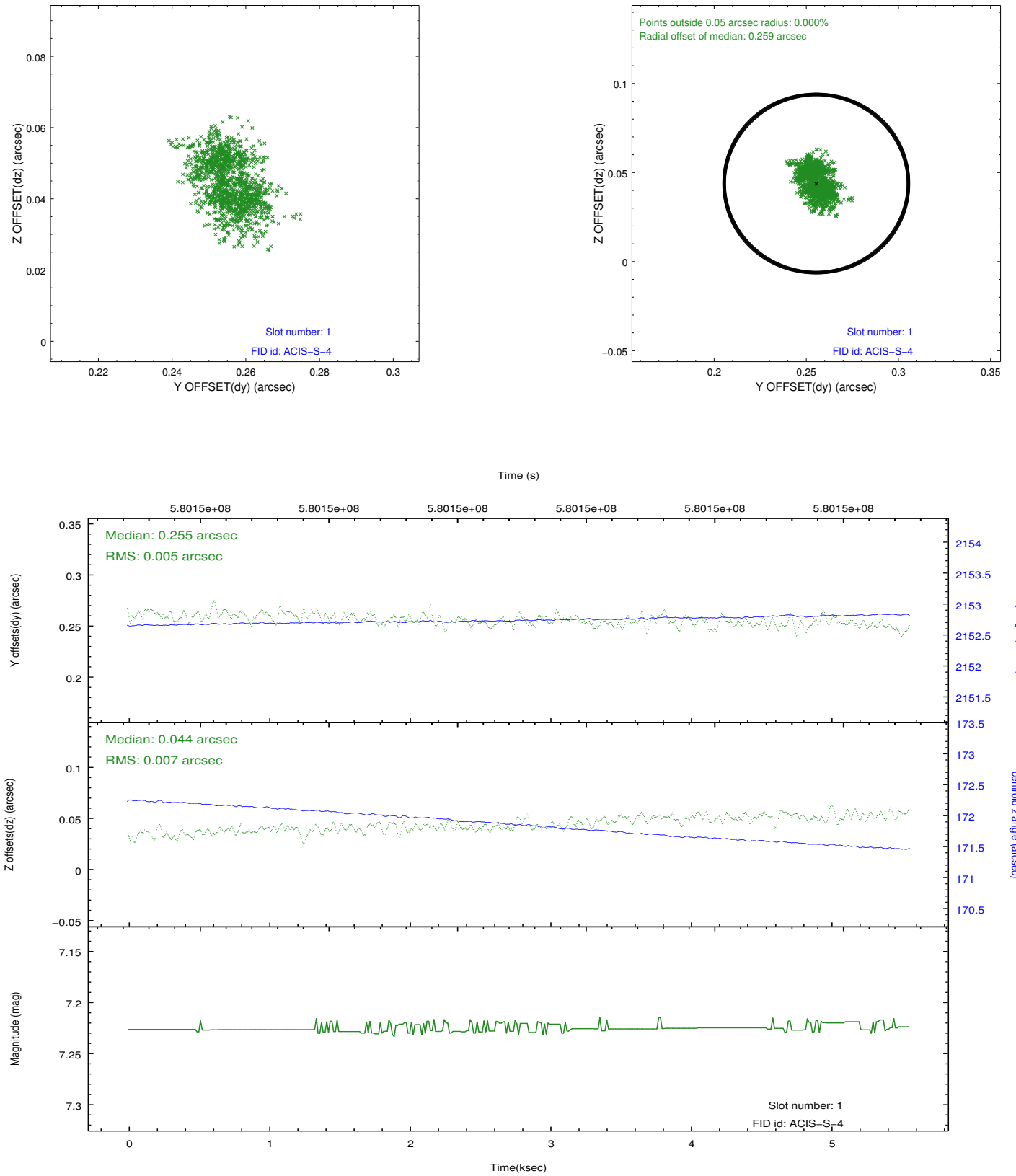


2.5 FID Slots

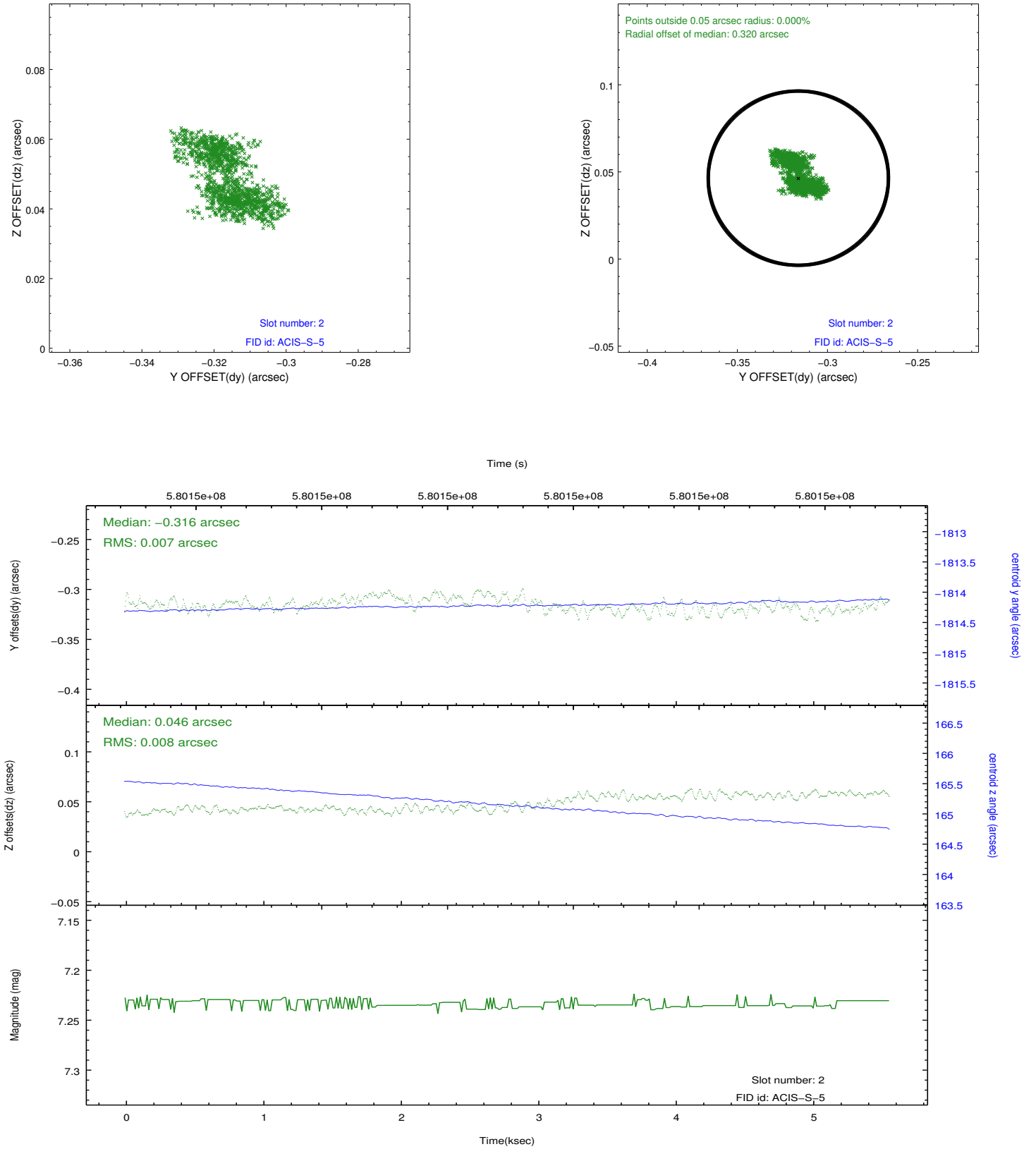
2.5.1 Slot 0



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)	2016.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9126466966867

A.2 Comments