

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19358 - L2 Version 1
Chandra X-Ray Center

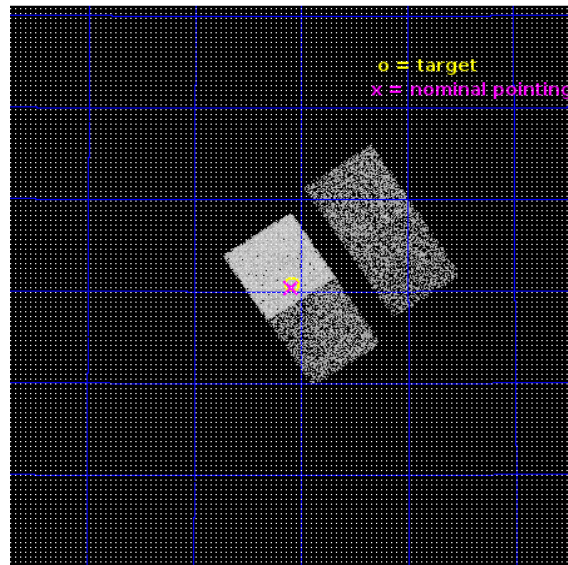
L2 Processing Date : Jun 25 2017

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1 Front

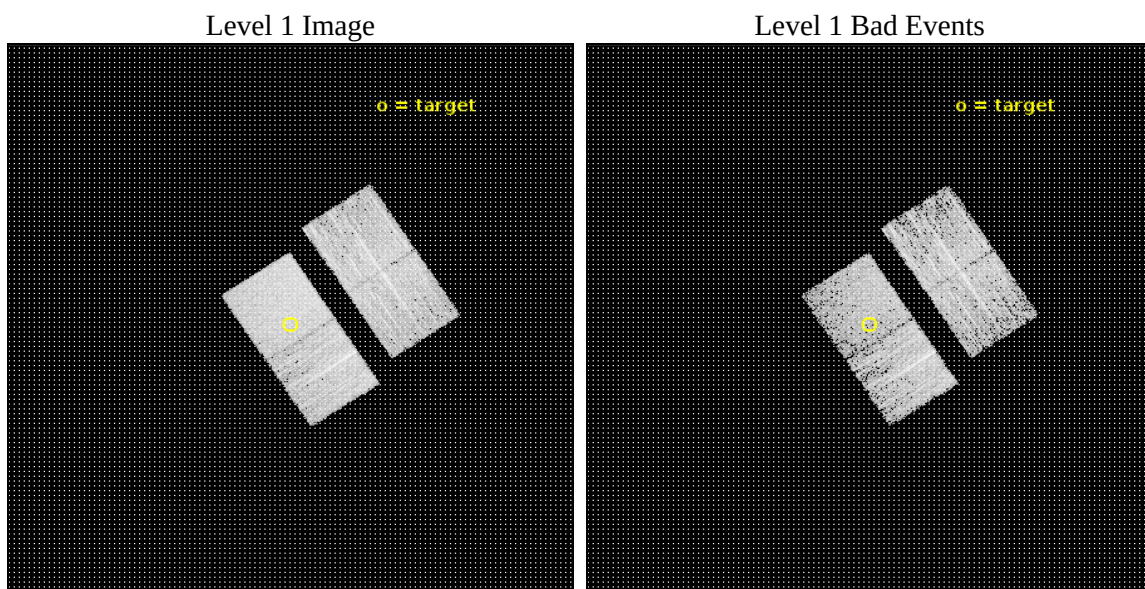
seq_num	601315	Sequence number
obs_id	19358	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 5383	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.270833	Observer's specified target RA [deg]
dec_targ	41.846	Observer's specified target Dec [deg]
ra_nom	209.27264596769	Nominal RA [deg]
dec_nom	41.840234607301	Nominal Dec [deg]
roll_nom	236.58024987517	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5071.6000391245	Sum of GTIs [s]
livetime	5005.3358509557	Livetime [s]
ontime2	5071.6000391245	Sum of GTIs [s]
ontime3	5071.6000391245	Sum of GTIs [s]
ontime6	5071.6000391245	Sum of GTIs [s]
ontime7	5071.6000391245	Sum of GTIs [s]
l2events	30176	Number of level 2 events



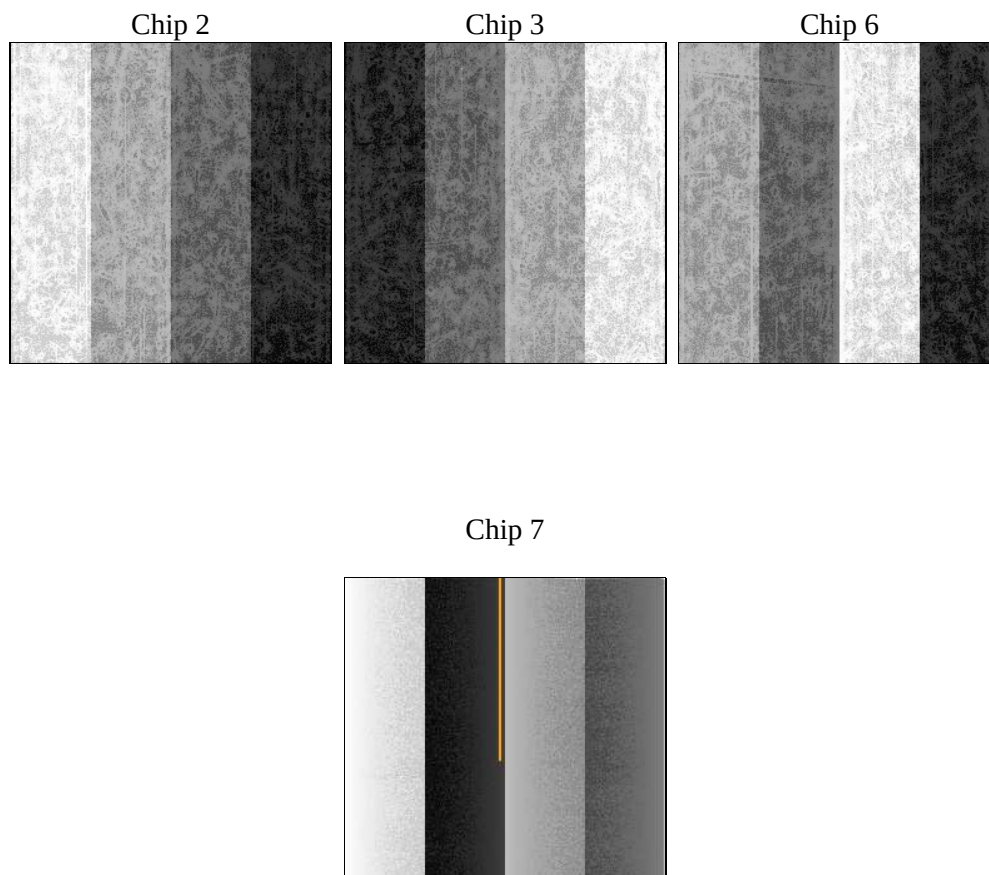
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	5071.6000391245	Sum of GTIs [s]
caldsver	4.7.5	 	ontime2	5071.6000391245	Sum of GTIs [s]
date	2017-06-26T03:12:35	Date and time of file creation	ontime3	5071.6000391245	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5071.6000391245	Sum of GTIs [s]
			ontime7	5071.6000391245	Sum of GTIs [s]
			l1events	155722	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	34165	37329	37733	46495
rejected events	30371	33289	33522	26221
rejected %	88%	89%	88%	56%

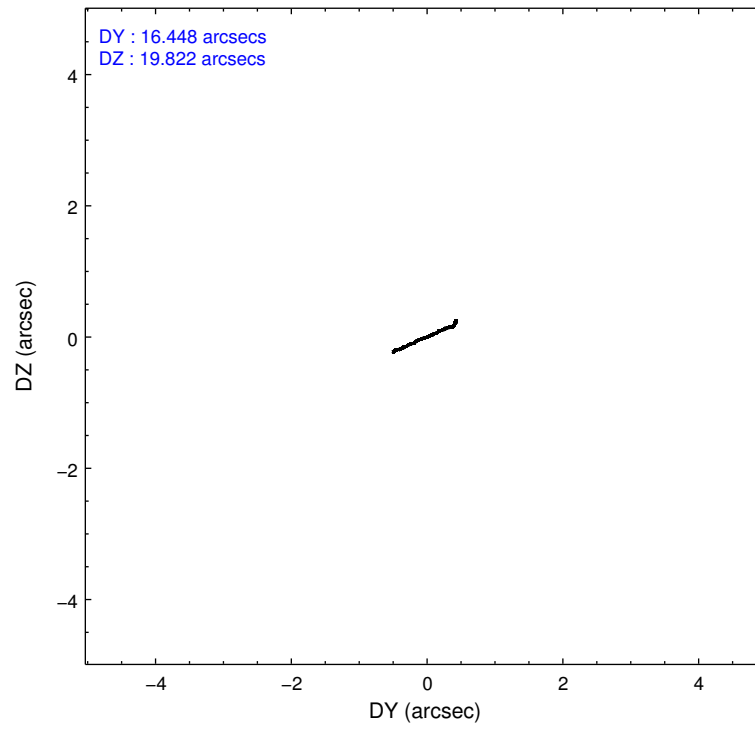
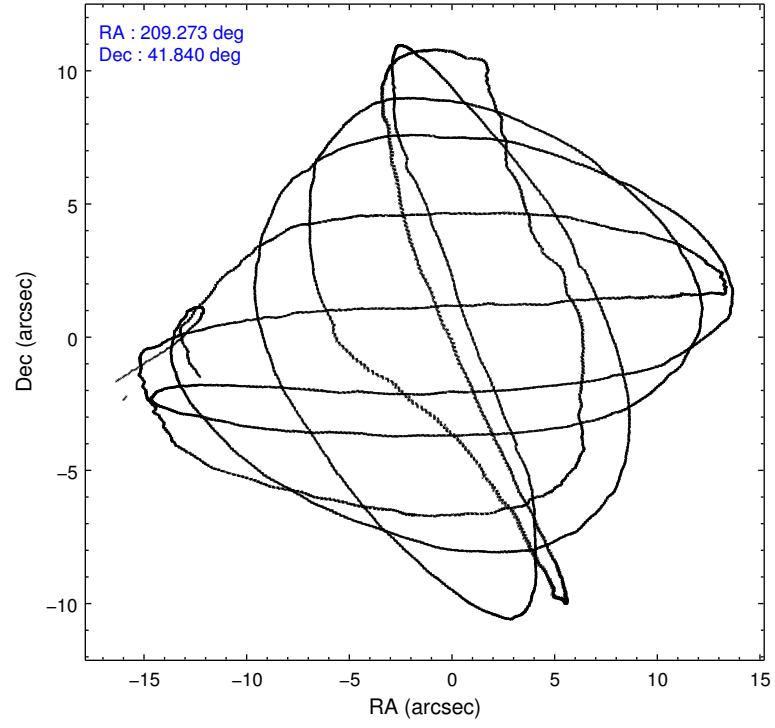
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1310	1561	1425	1819
	3%	4%	3%	3%
grade 1 events	16	23	8	64
	0%	0%	0%	0%
grade 2 events	949	850	952	4311
	2%	2%	2%	9%
grade 3 events	370	409	412	1626
	1%	1%	1%	3%
grade 4 events	410	431	437	1707
	1%	1%	1%	3%
grade 5 events	1378	1737	1792	4729
	4%	4%	4%	10%
grade 6 events	758	793	989	10827
	2%	2%	2%	23%
grade 7 events	28974	31525	31718	21412
	84%	84%	84%	46%

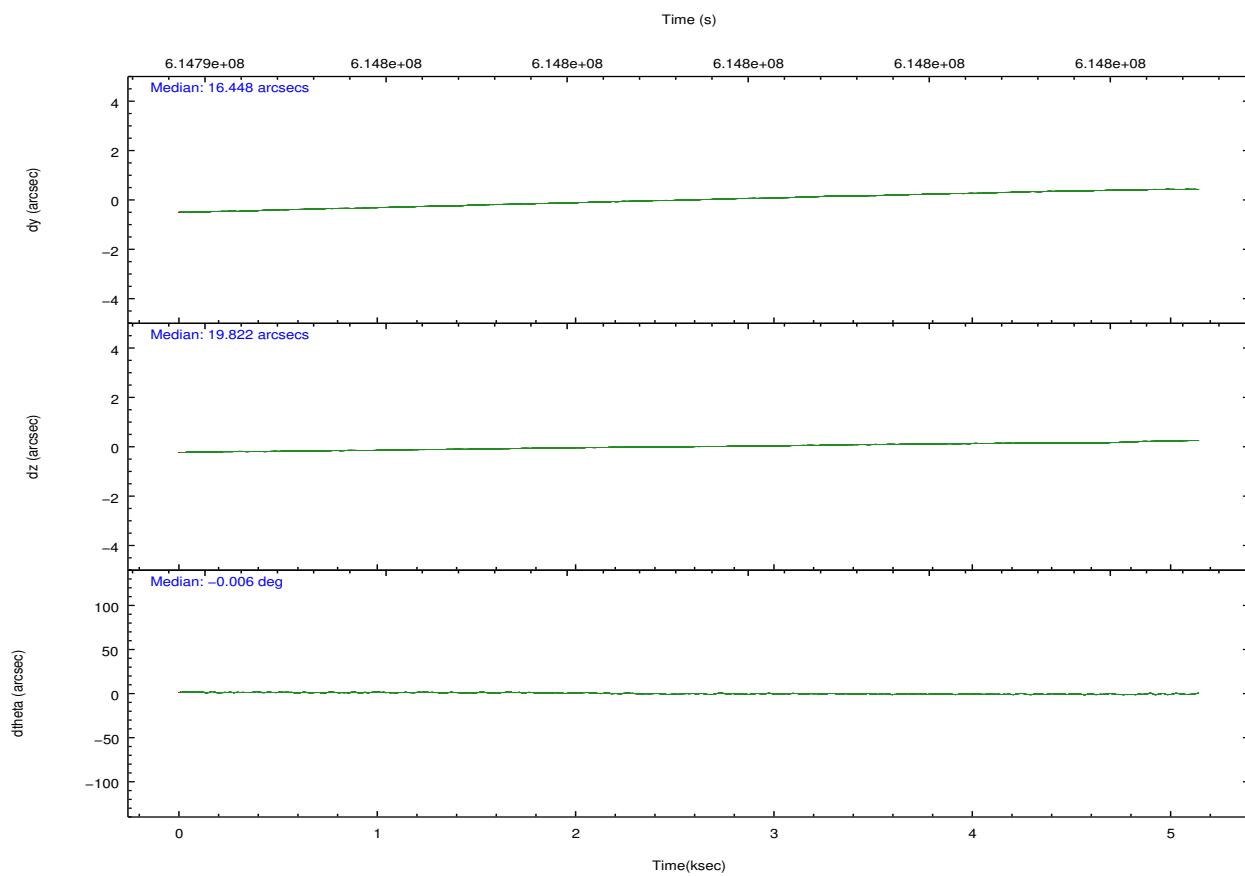
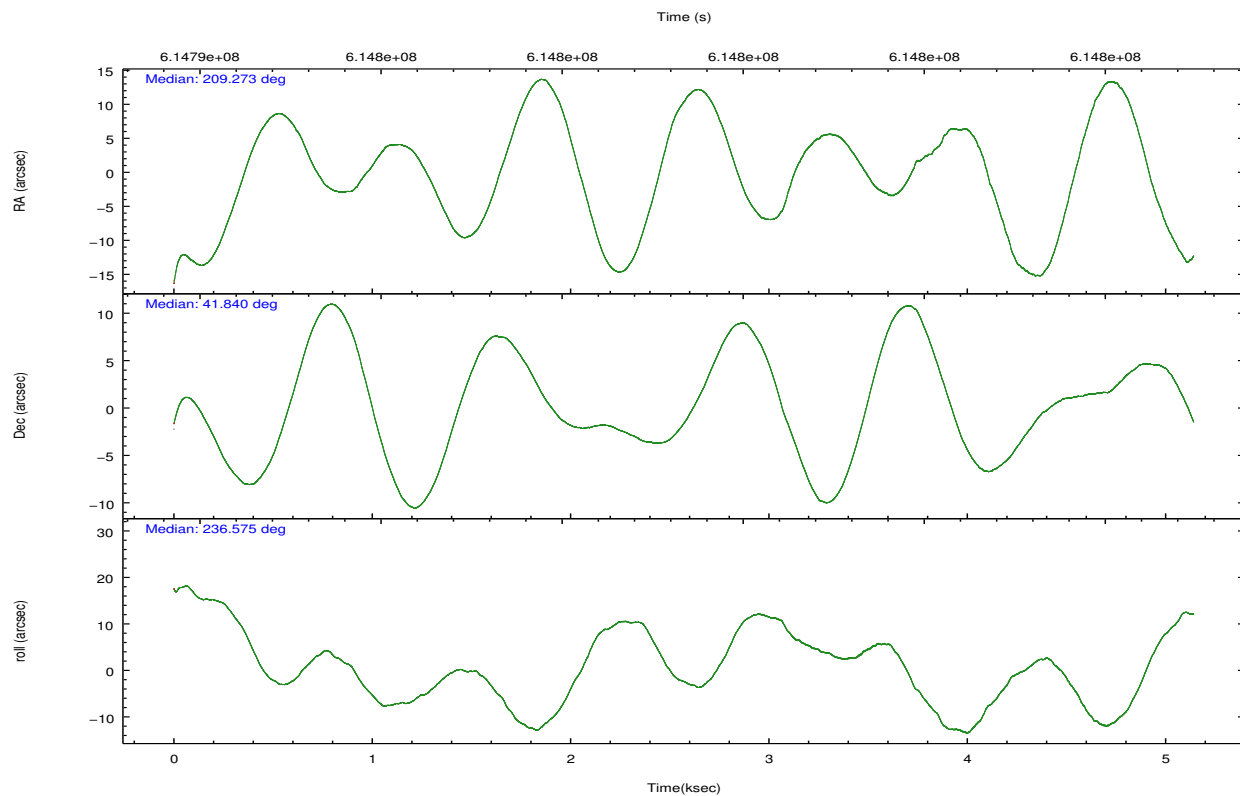
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	209.274509	209.272645967686
[deg] Pointing Dec	41.867631	41.84023460730135
[deg] Pointing Roll	236.422403	236.5802498751668
[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)	614794251.184000	614792862.5443701
Observation start date	2017-06-25T16:09:42	2017-06-25T15:47:42
[s] Observation end time (MET)	614799251.184000	614799944.78229
Observation end date	2017-06-25T17:33:02	2017-06-25T17:45:44
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



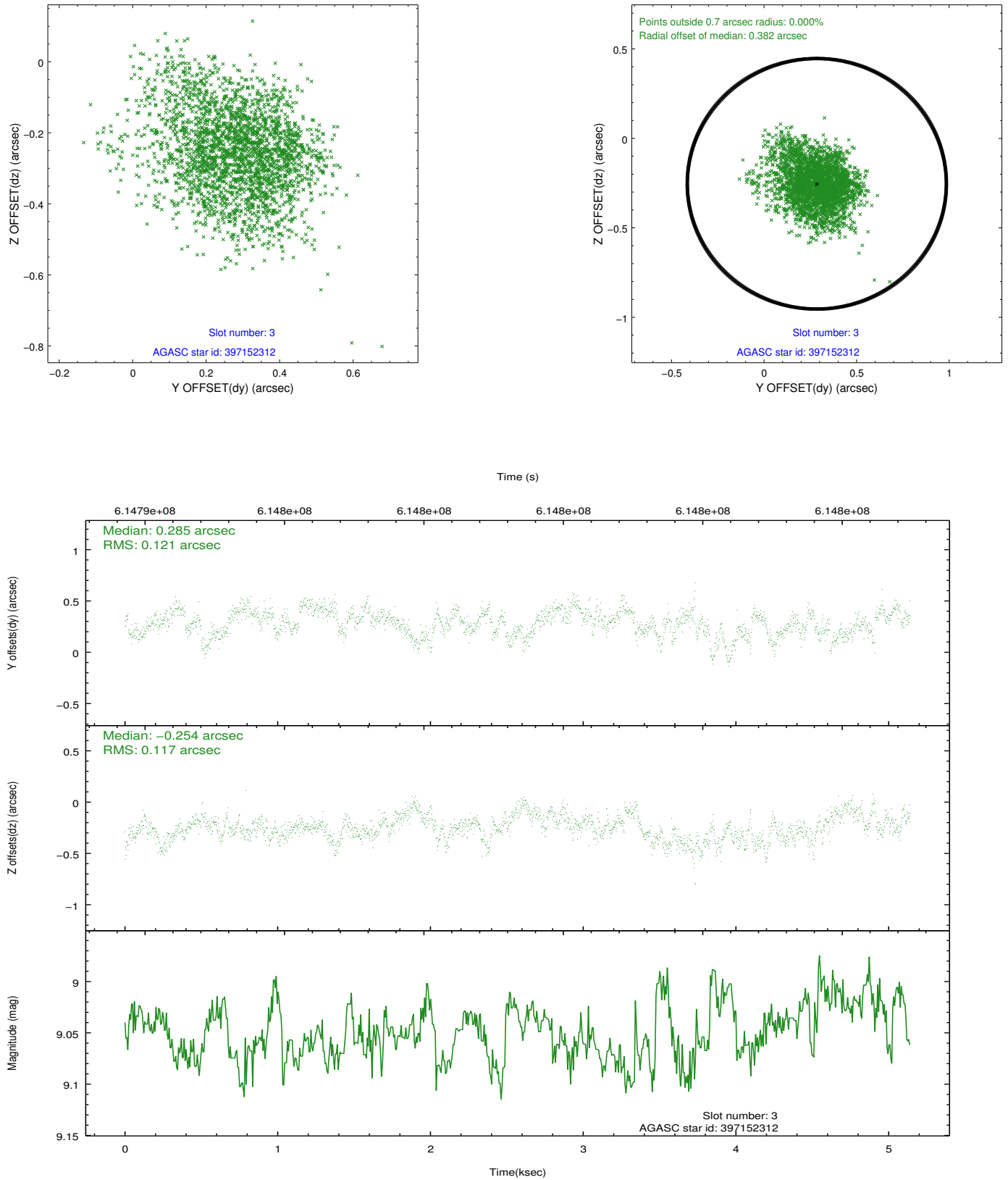


Slot Statistics

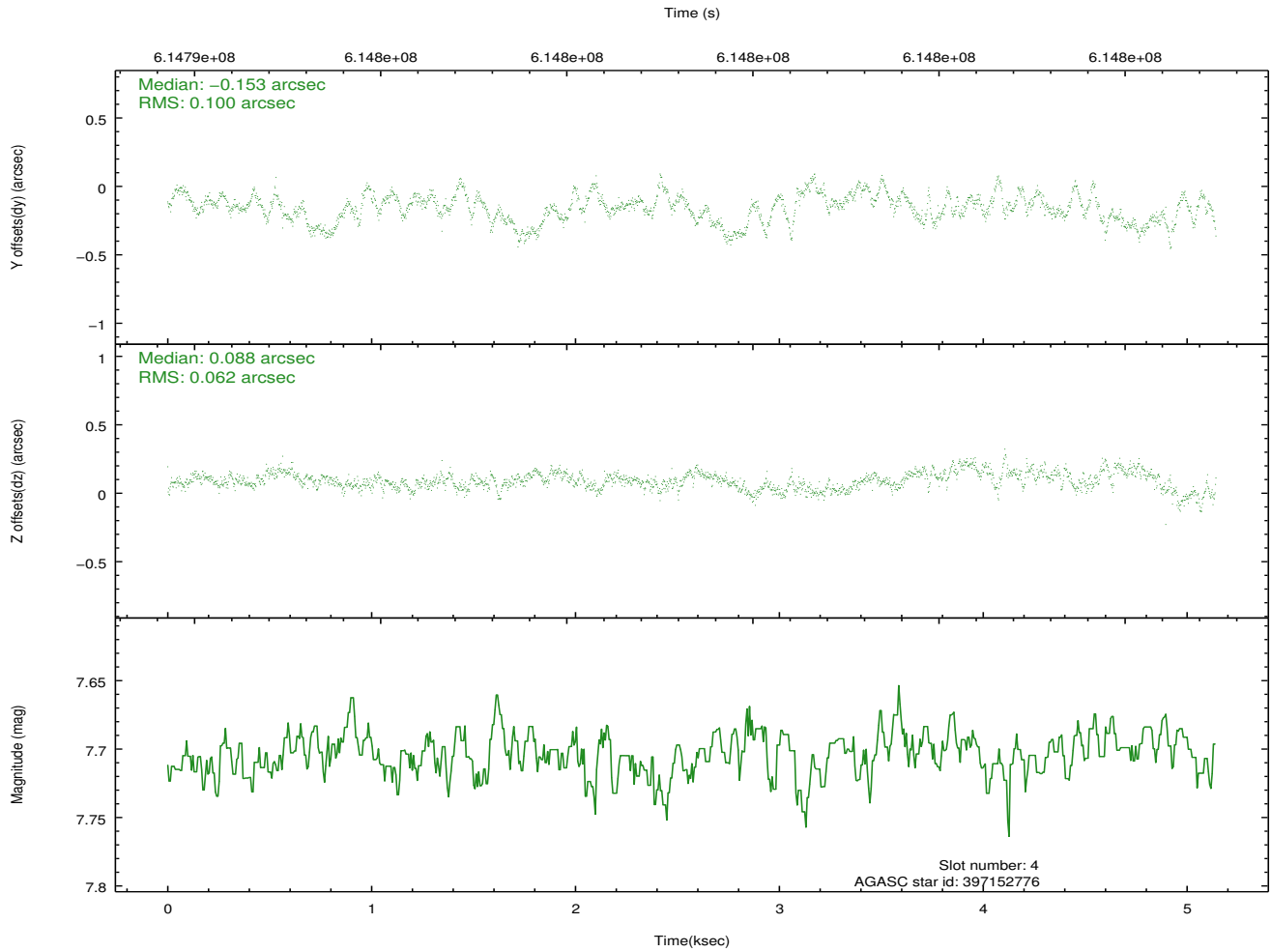
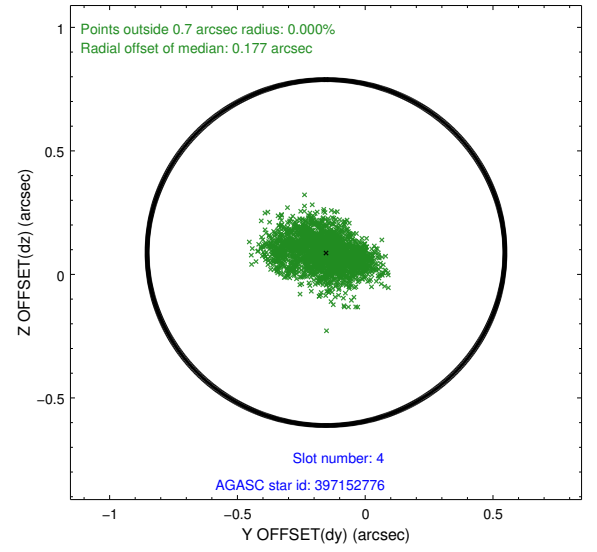
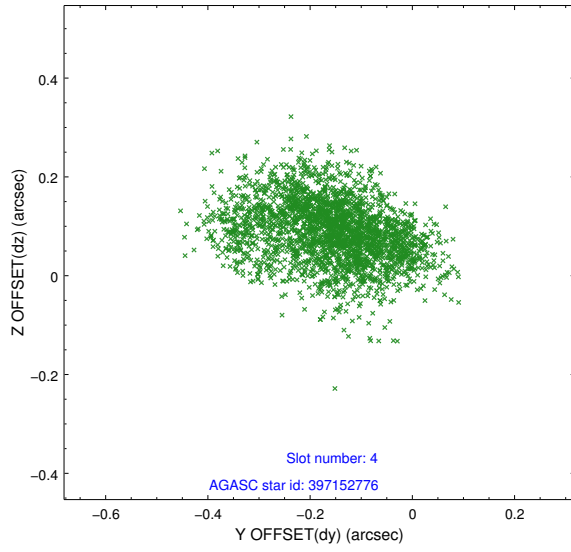
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.96	1254	-0.212	-0.080	0.008	0.013	0.000000	0.000000	-769.61	-1741.44
1	FID		ACIS-S-4	7.08	1255	0.483	0.124	0.006	0.011	0.000000	0.000000	2143.76	166.11
2	FID		ACIS-S-5	7.05	1255	-0.303	-0.035	0.009	0.015	0.000000	0.000000	-1821.09	160.85
3	GUIDE	used	397152312	9.05	2508	0.285	-0.254	0.177	0.292	208.228675	41.691993	2069.36	-2001.26
4	GUIDE	used	397152776	7.70	2509	-0.153	0.088	0.126	0.206	209.922998	42.049808	-1510.55	1077.61
5	GUIDE	used	397153888	9.38	2505	0.112	-0.030	0.174	0.300	209.929785	42.103125	-1680.47	986.57
6	GUIDE	used	397156440	8.55	2509	0.112	-0.095	0.157	0.261	208.545135	41.543749	2051.08	-996.95
7	GUIDE	used	398067144	9.97	2501	-0.358	0.305	0.224	0.371	210.313396	42.032333	-2044.13	1977.62

2.4 Star Slots

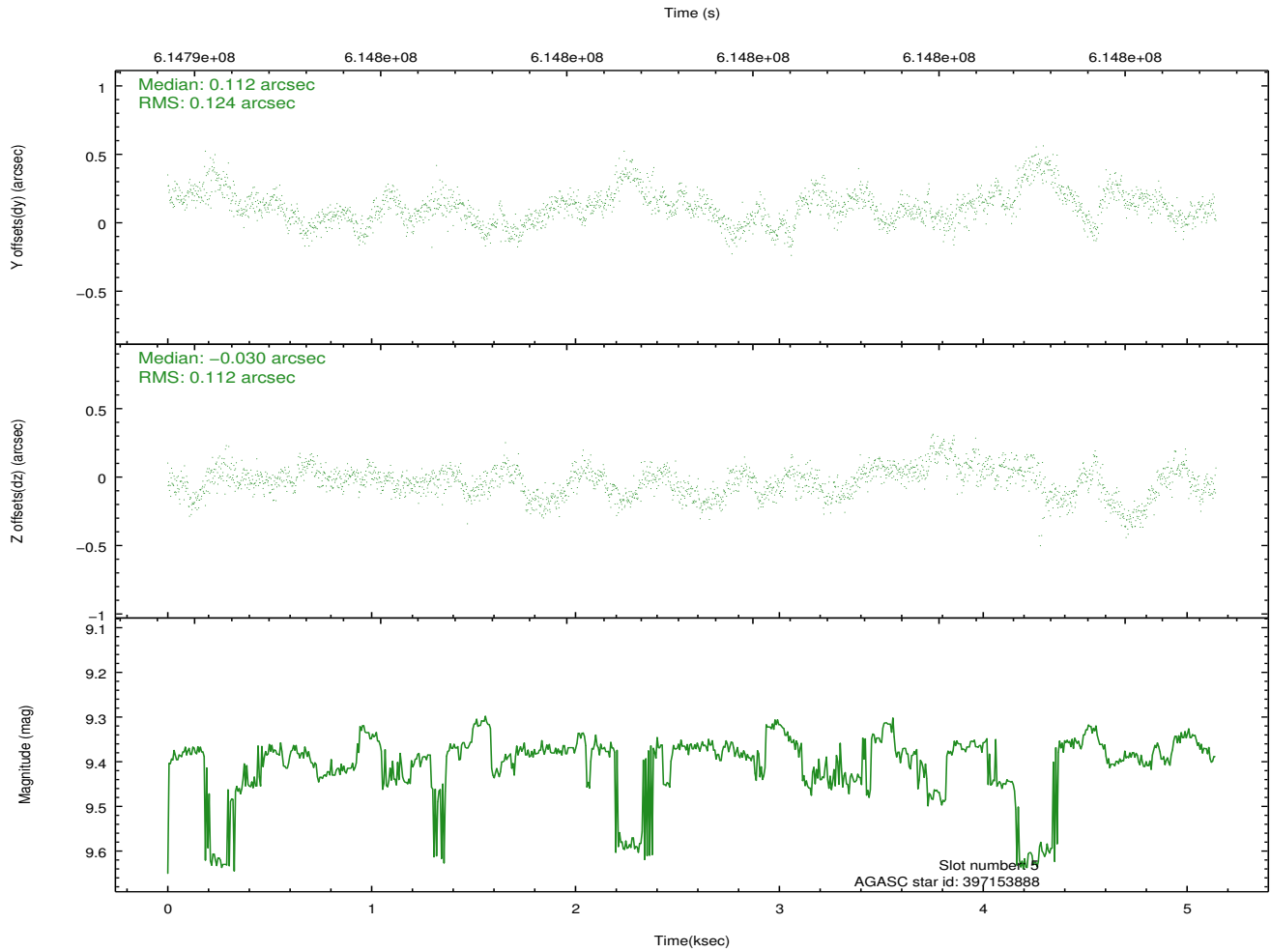
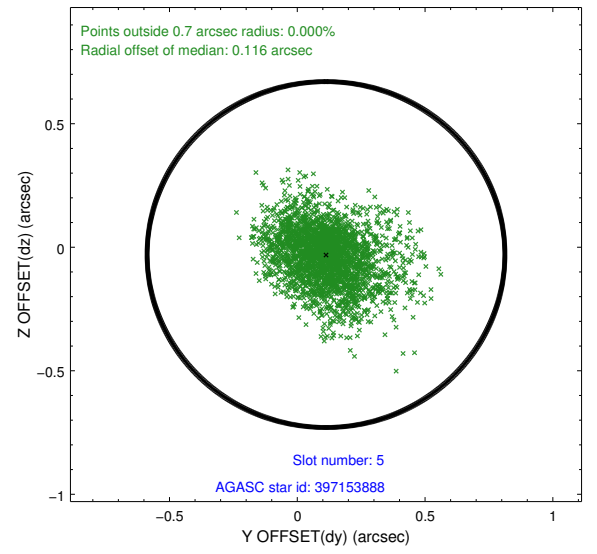
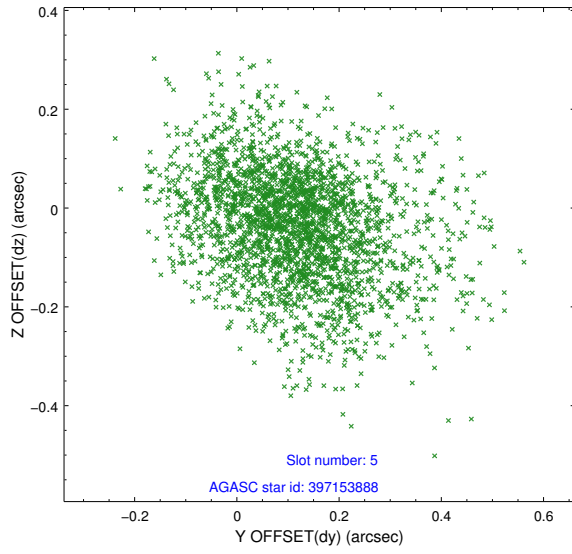
2.4.1 Slot 3



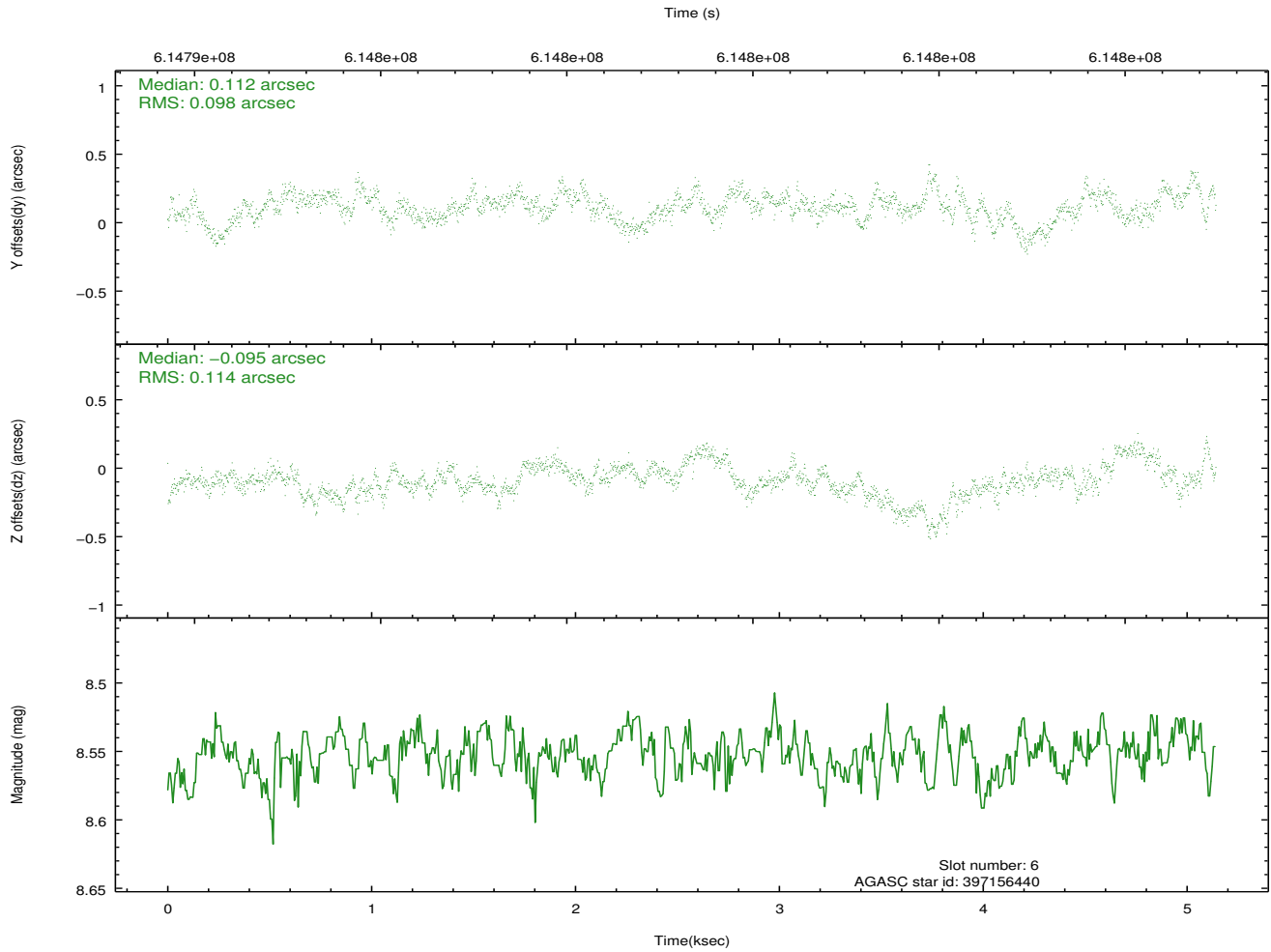
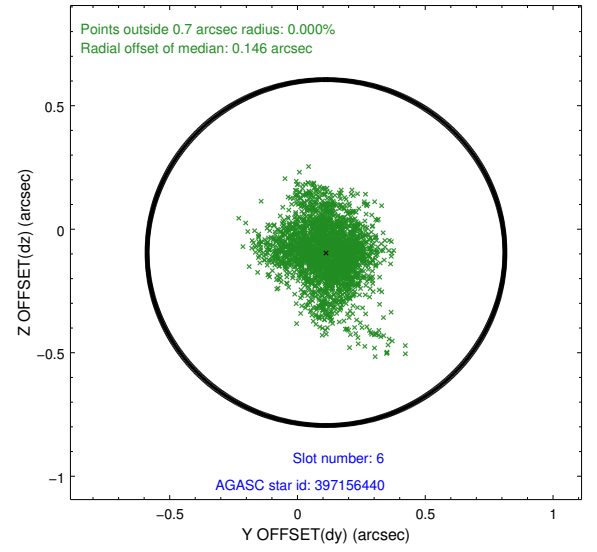
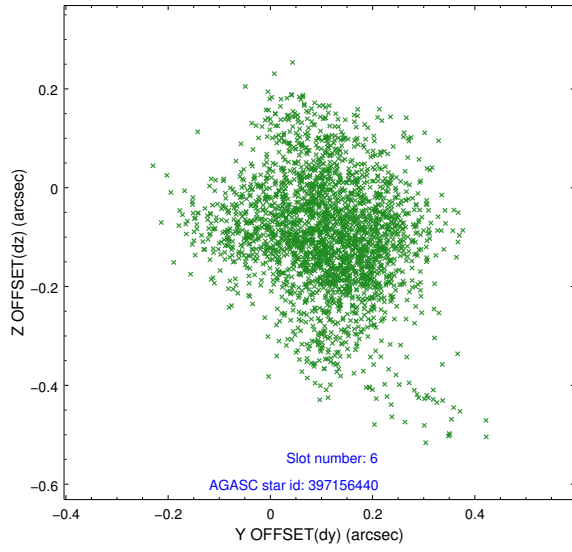
2.4.2 Slot 4



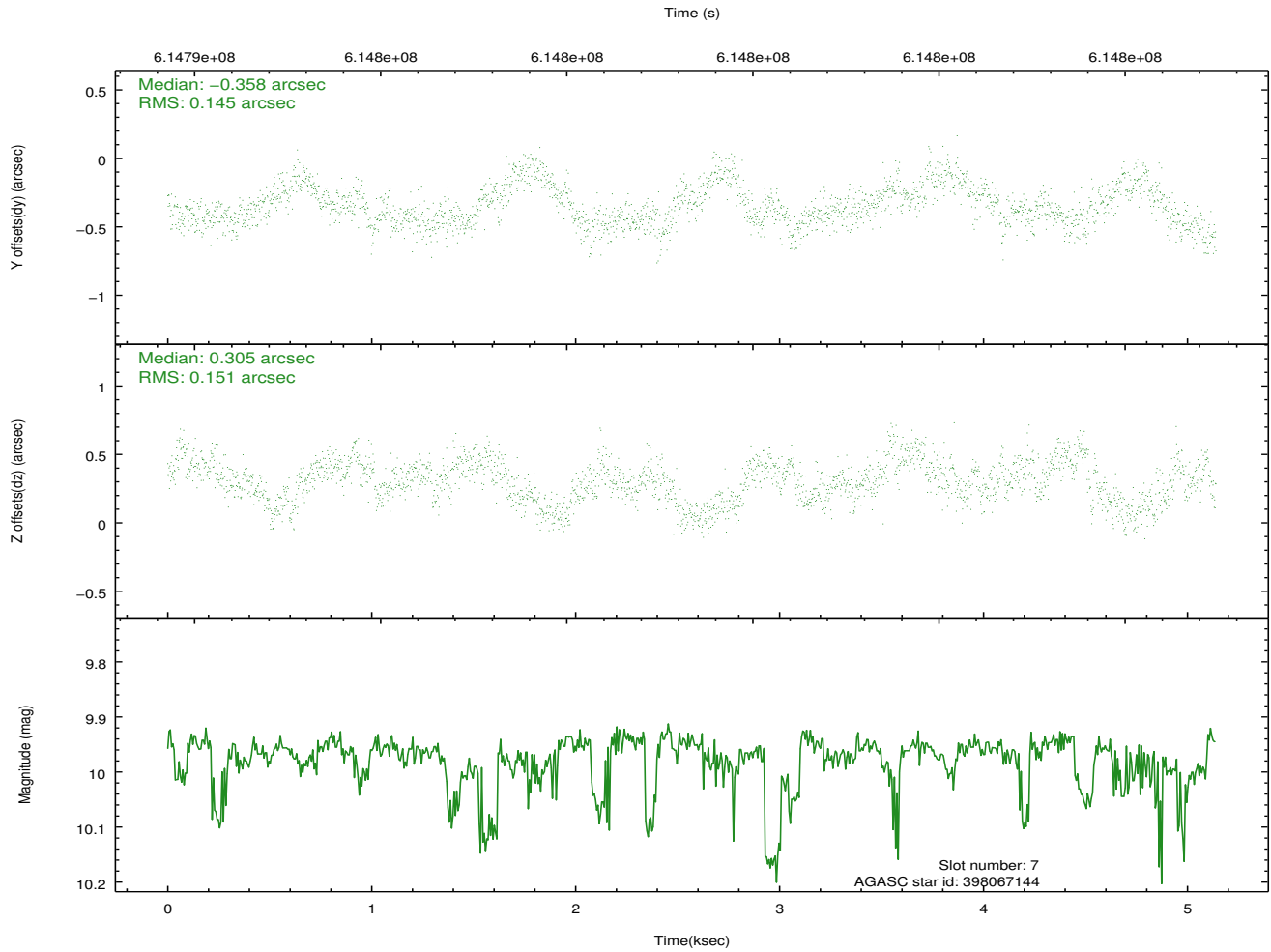
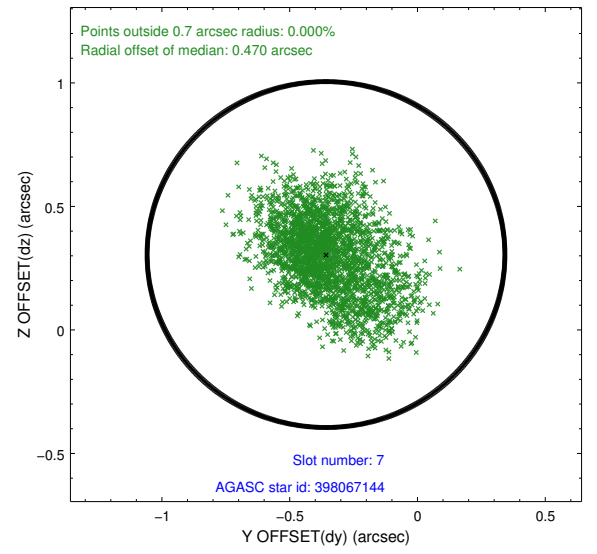
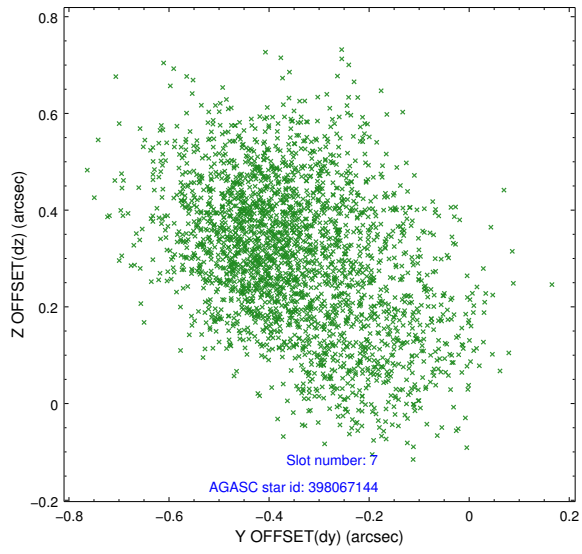
2.4.3 Slot 5



2.4.4 Slot 6

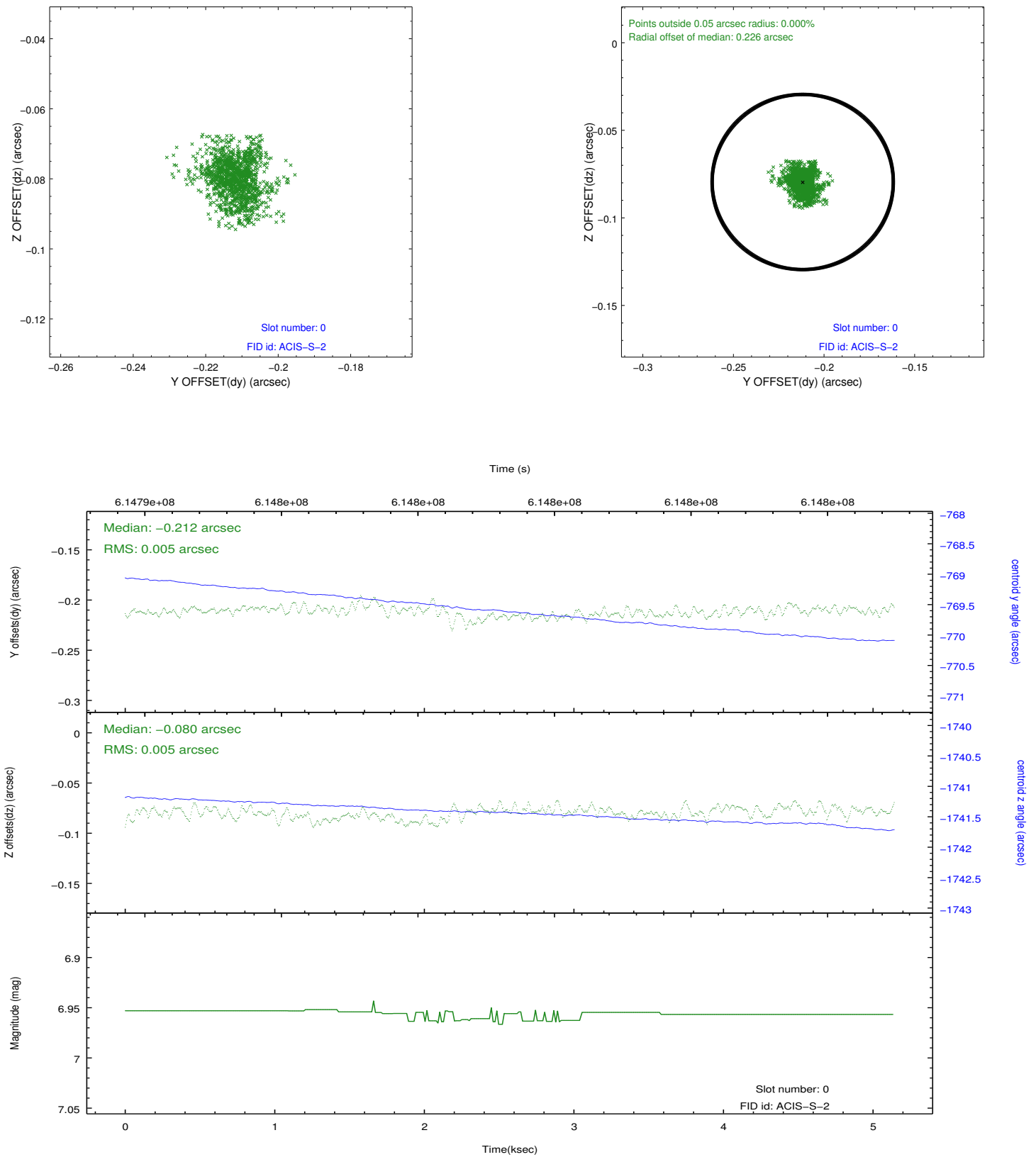


2.4.5 Slot 7

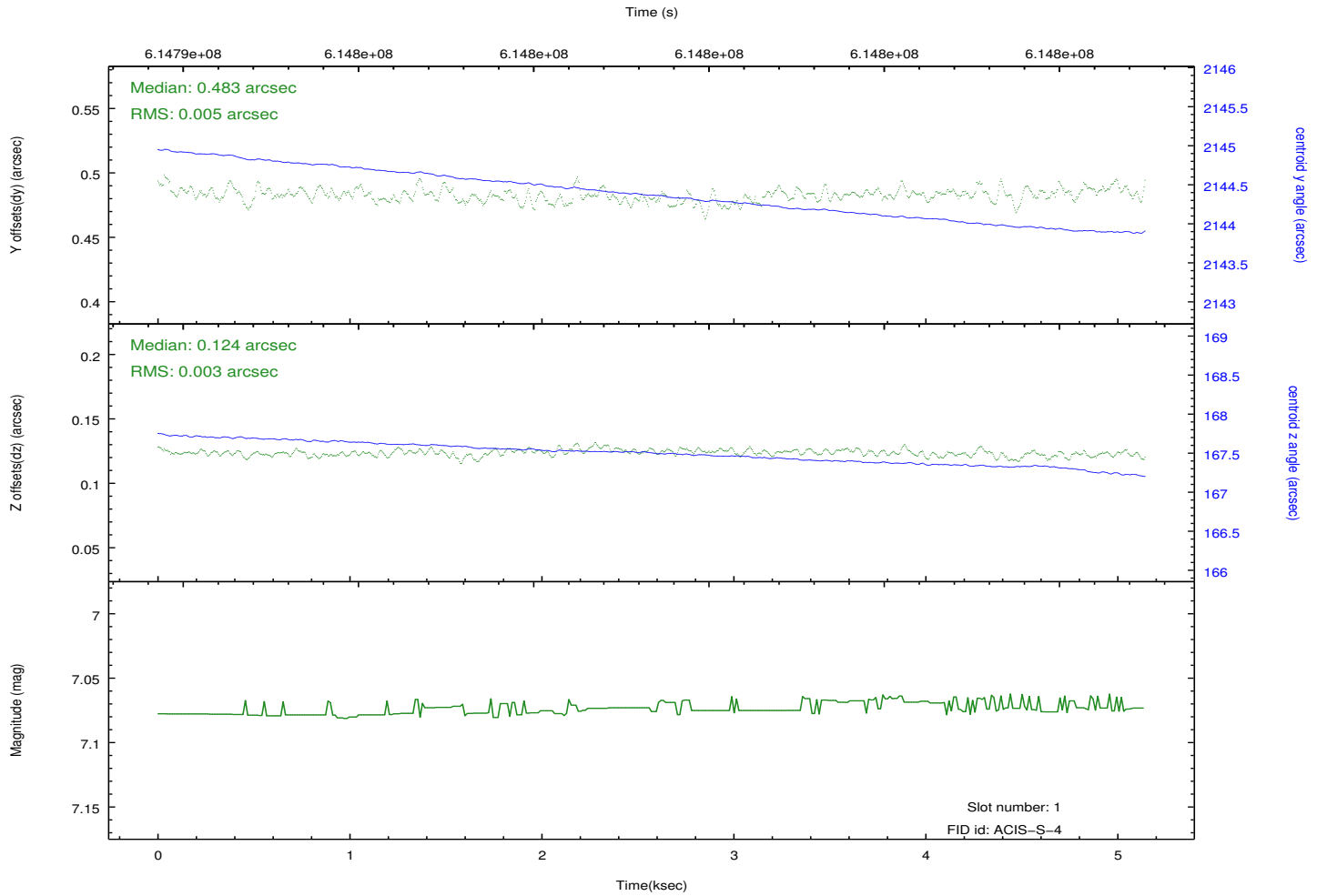
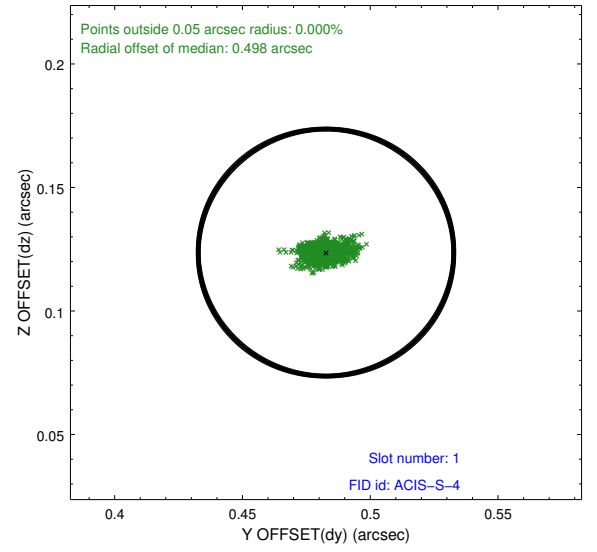
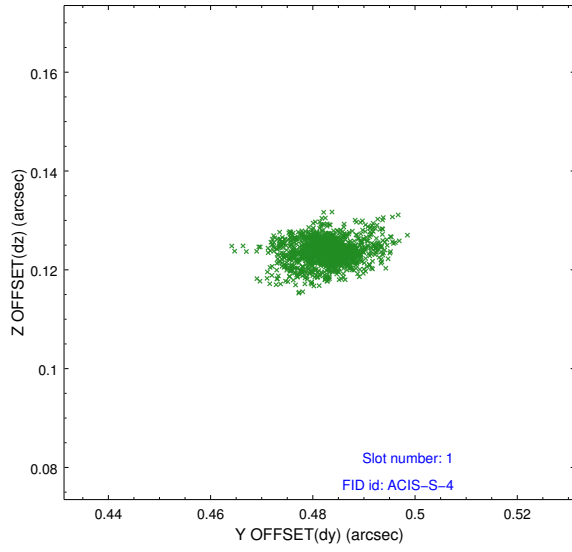


2.5 FID Slots

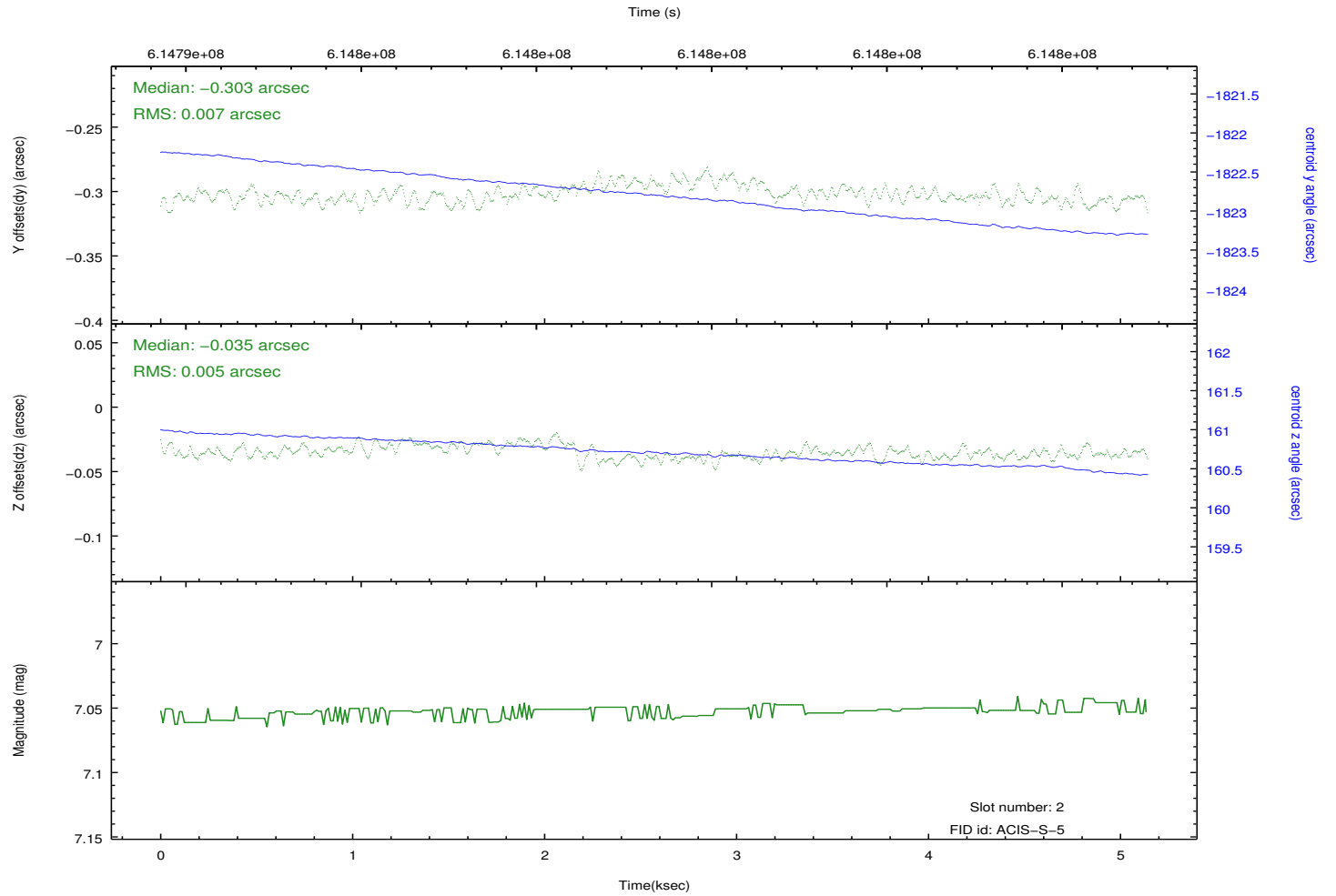
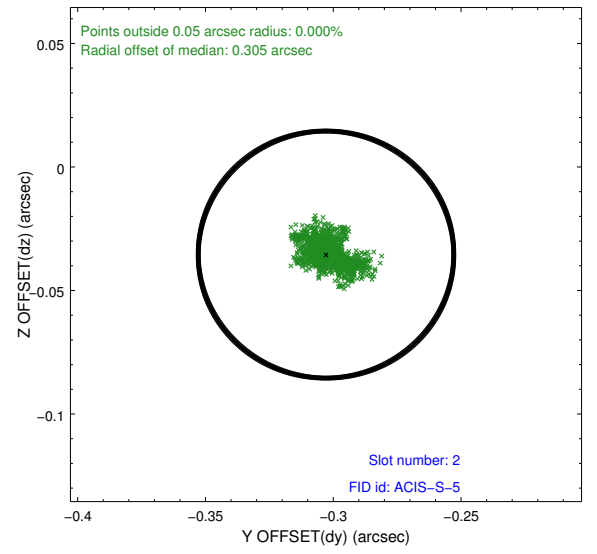
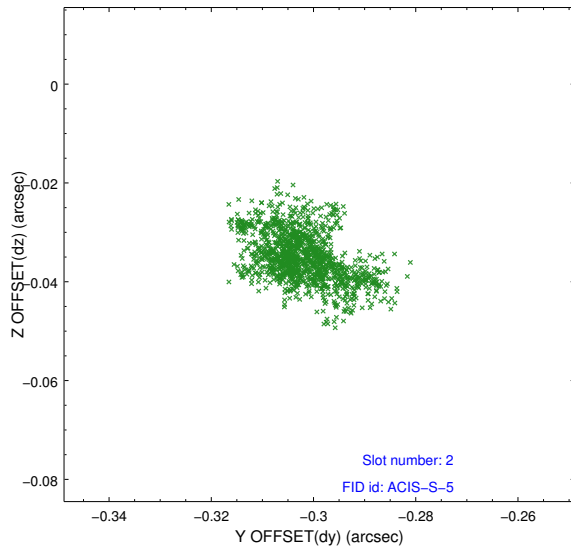
2.5.1 Slot 0



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)	2017.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0716000391245

A.2 Comments