

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21518 - L2 Version 1
Chandra X-Ray Center

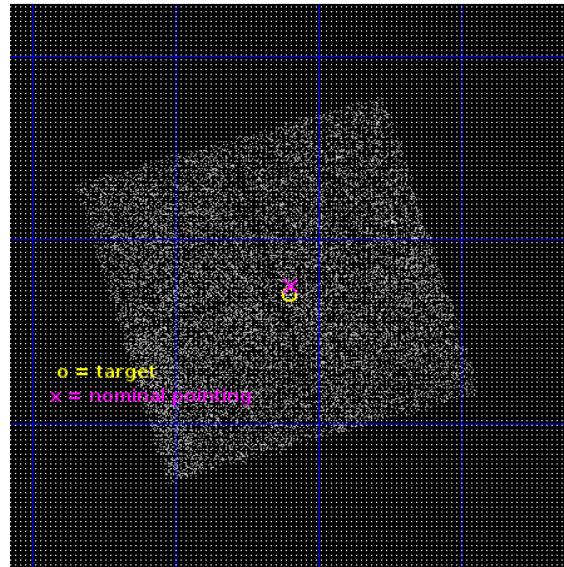
L2 Processing Date : Mar 6 2019

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1 Front

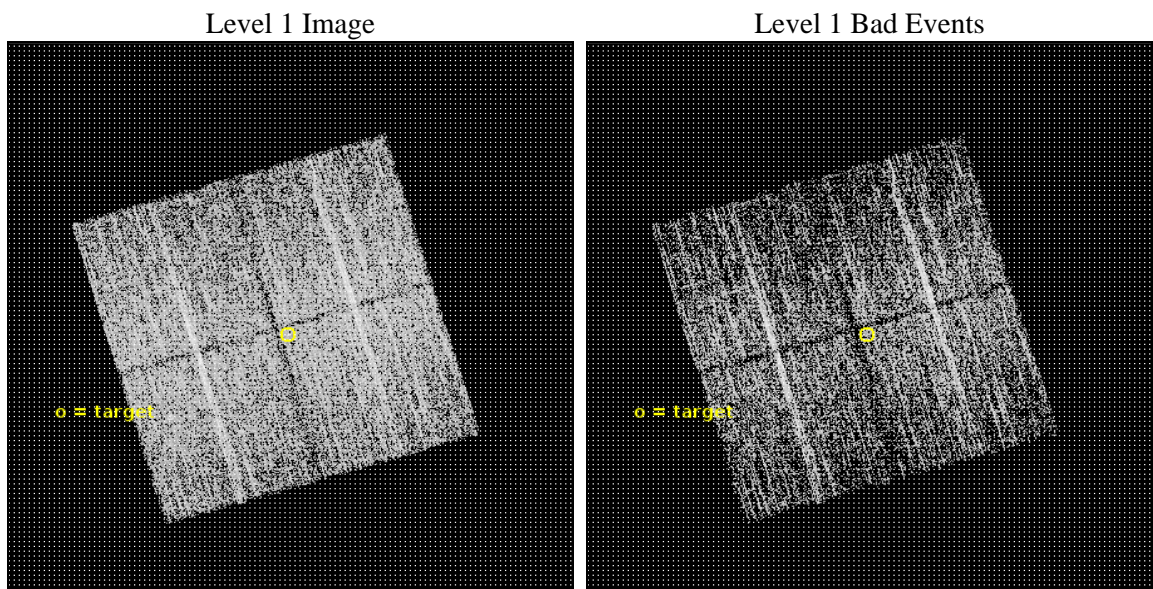
seq_num	703811	Sequence number
obs_id	21518	Observation id
title	Black Holes in Green Peas?	Proposal title
observer	Sangeeta Malhotra	Principal investigator
object	J125305.97-031258.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.275	Observer's specified target RA [deg]
dec_targ	-3.216361	Observer's specified target Dec [deg]
ra_nom	193.27344003955	Nominal RA [deg]
dec_nom	-3.208626757286	Nominal Dec [deg]
roll_nom	73.208553166259	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5076.3716500998	Sum of GTIs [s]
livetime	5010.0451173208	Livetime [s]
ontime0	5076.2485301495	Sum of GTIs [s]
ontime1	5076.2895700932	Sum of GTIs [s]
ontime2	5076.3306101561	Sum of GTIs [s]
ontime3	5076.3716500998	Sum of GTIs [s]
l2events	14736	Number of level 2 events



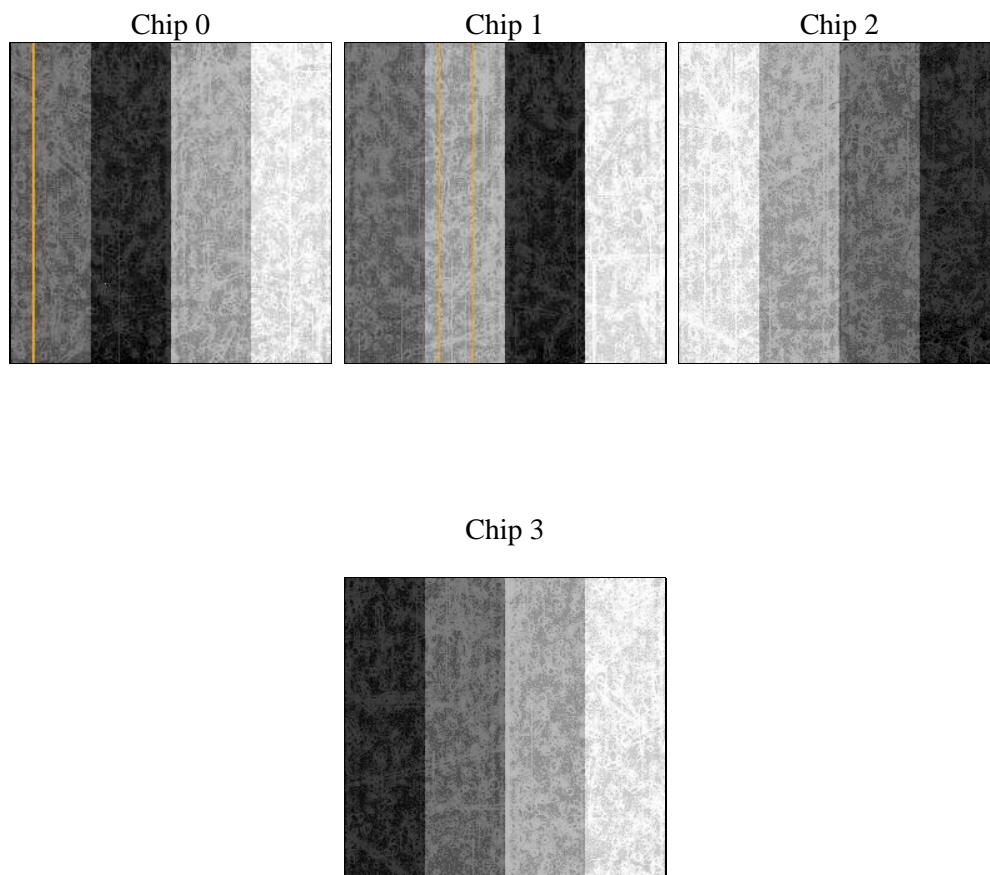
2 OBI

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	10.7.1	Processing system revision	ontime	5076.3716500998	Sum of GTIs [s]
caldsver	4.8.2	 	ontime0	5076.2485301495	Sum of GTIs [s]
date	2019-03-07T01:38:01	Date and time of file creation	ontime1	5076.2895700932	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5076.3306101561	Sum of GTIs [s]
			ontime3	5076.3716500998	Sum of GTIs [s]
			l1events	145213	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	35090	35783	35962	38378
rejected events	30631	30839	31755	34248
rejected %	87%	86%	88%	89%

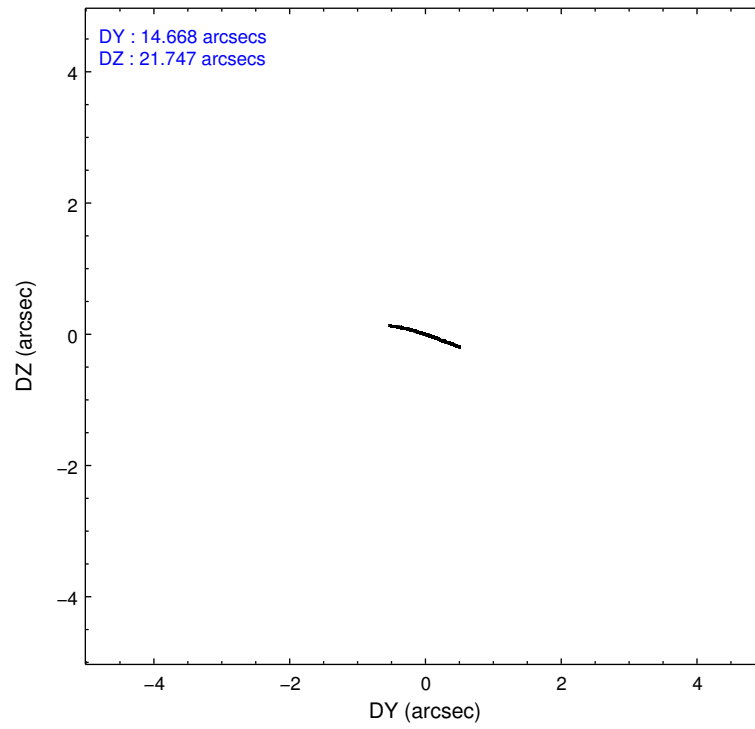
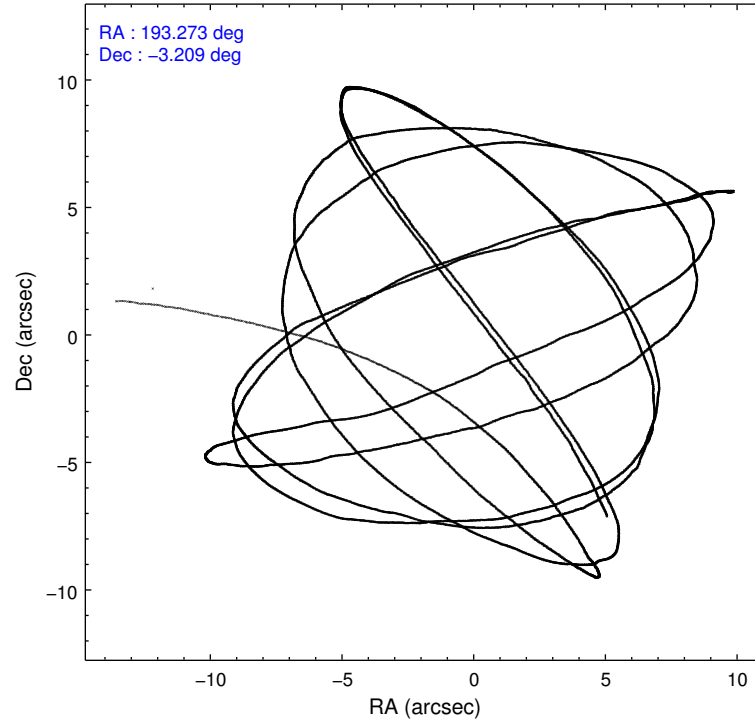
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1478	1627	1516	1575
	4%	4%	4%	4%
grade 1 events	20	20	24	17
	0%	0%	0%	0%
grade 2 events	1155	1283	1094	888
	3%	3%	3%	2%
grade 3 events	439	479	410	414
	1%	1%	1%	1%
grade 4 events	441	488	404	395
	1%	1%	1%	1%
grade 5 events	1668	1736	1629	1857
	4%	4%	4%	4%
grade 6 events	953	1070	793	863
	2%	2%	2%	2%
grade 7 events	28936	29080	30092	32369
	82%	81%	83%	84%

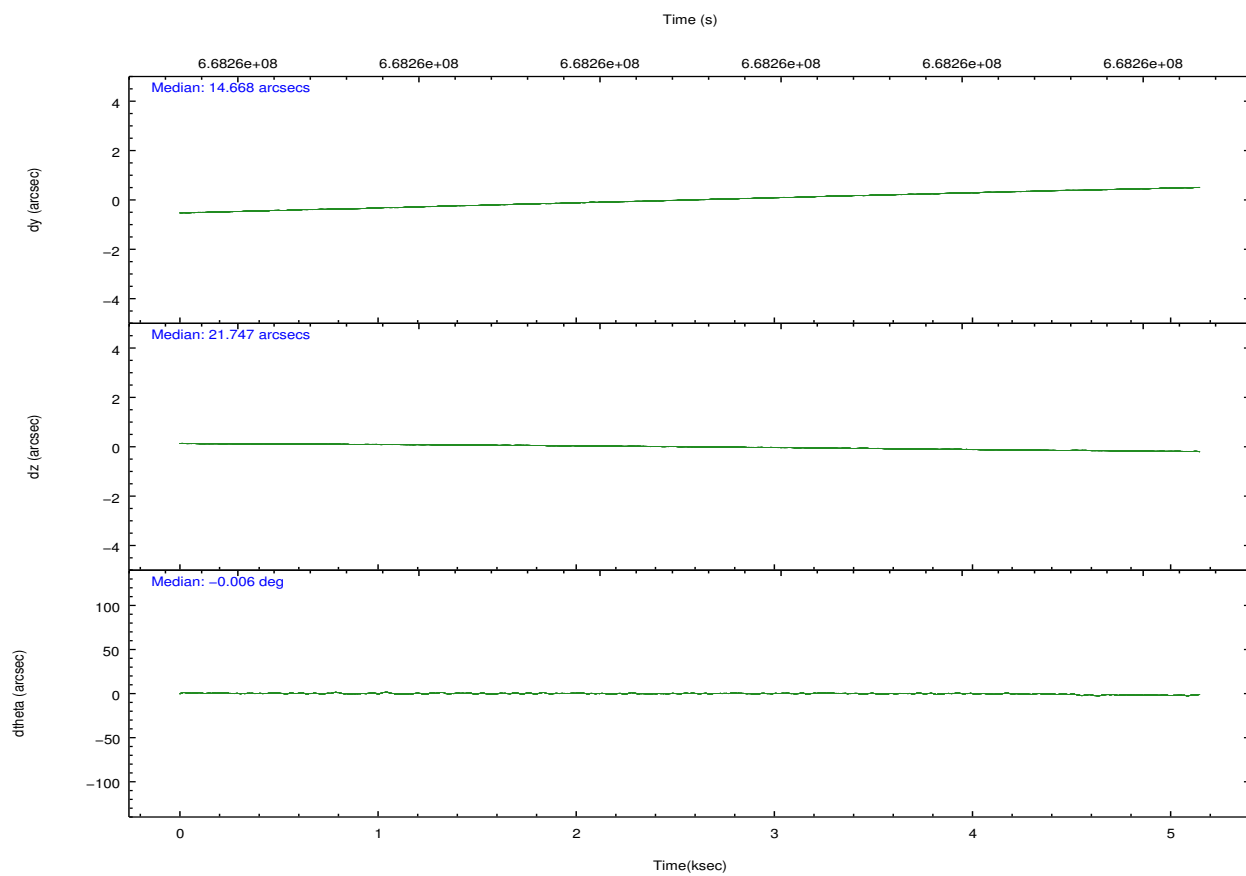
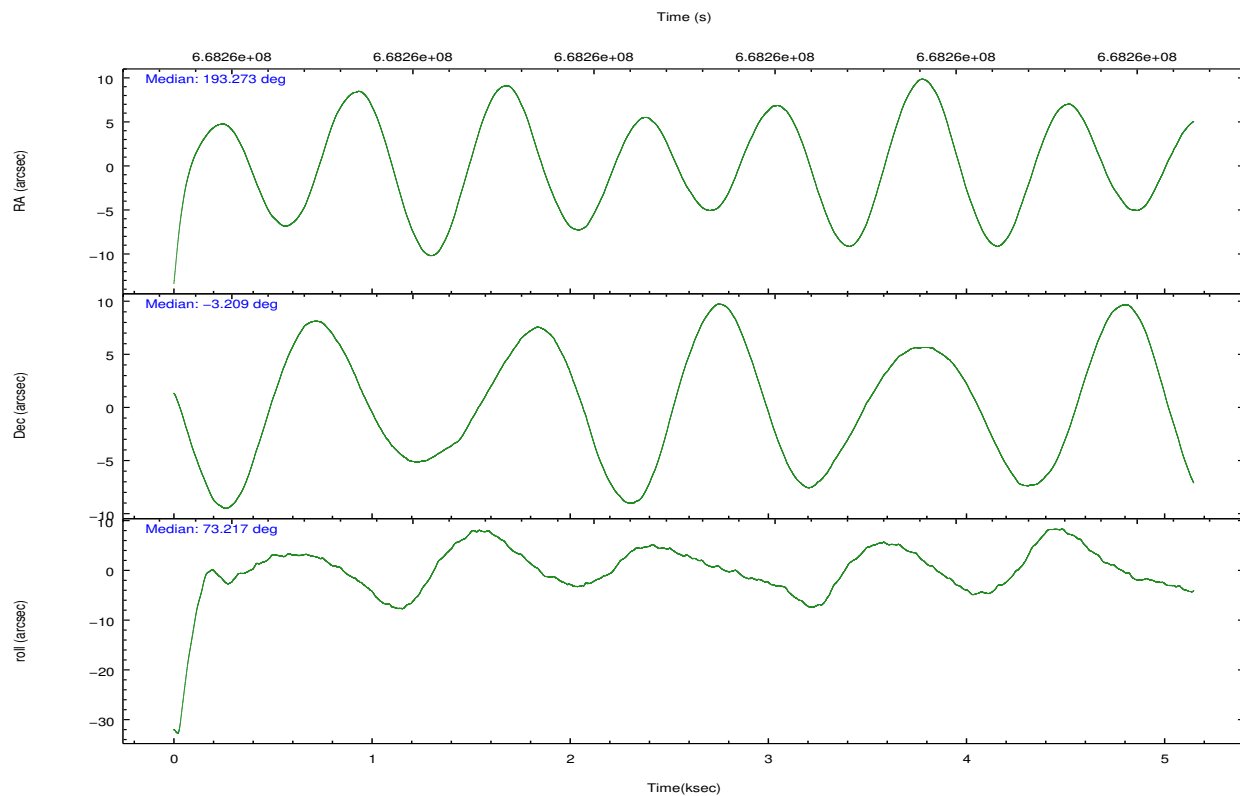
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-0123	ACIS-0123
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	193.279890	193.2734400395512
[deg] Pointing Dec	-3.235450	-3.208626757285986
[deg] Pointing Roll	73.000275	73.20855316625858
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	668256054.184000	668254939.2947201
Observation start date	2019-03-06T10:39:45	2019-03-06T10:22:19
[s] Observation end time (MET)	668261054.184000	668261876.4951299
Observation end date	2019-03-06T12:03:05	2019-03-06T12:17:56
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



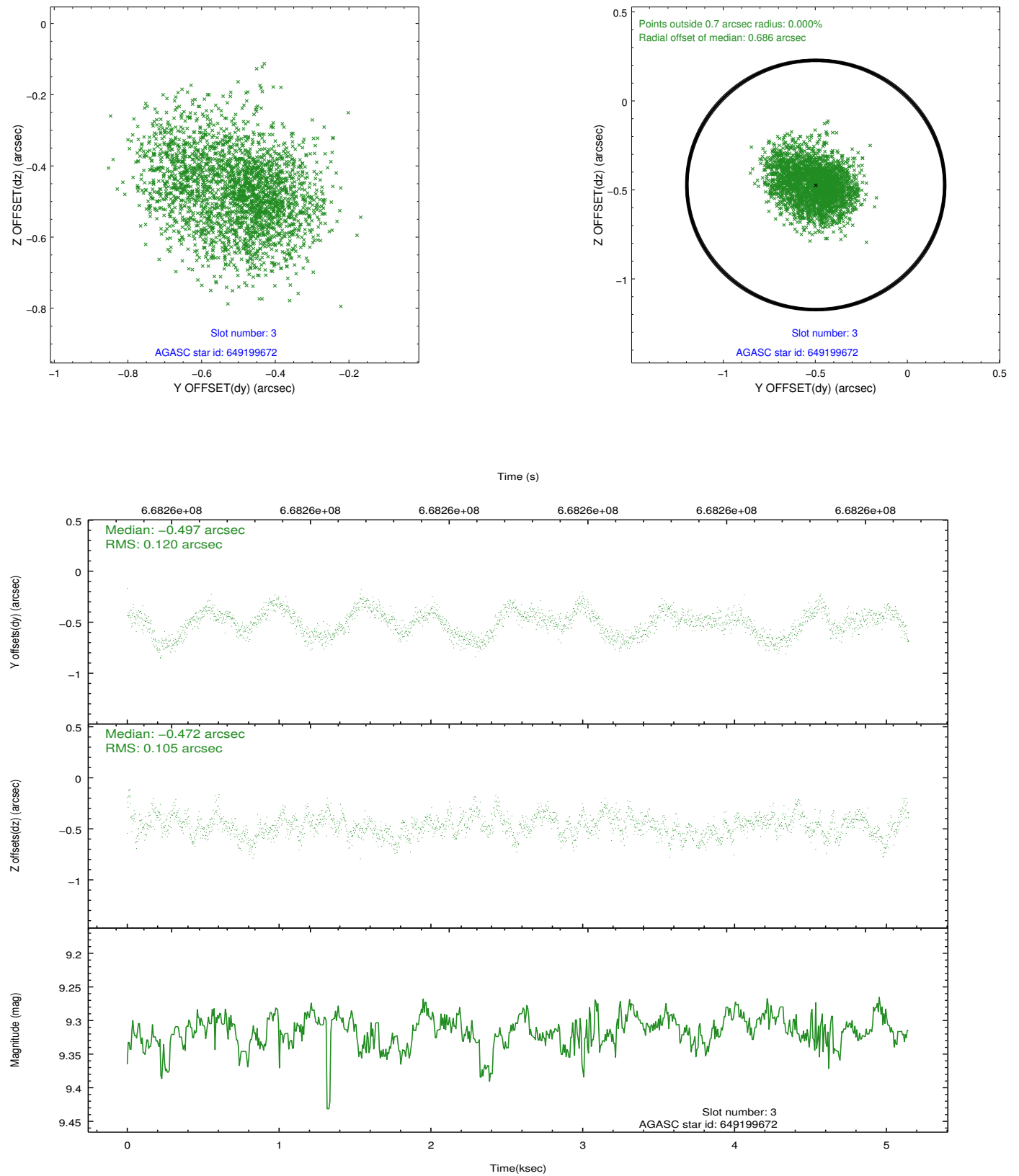


Slot Statistics

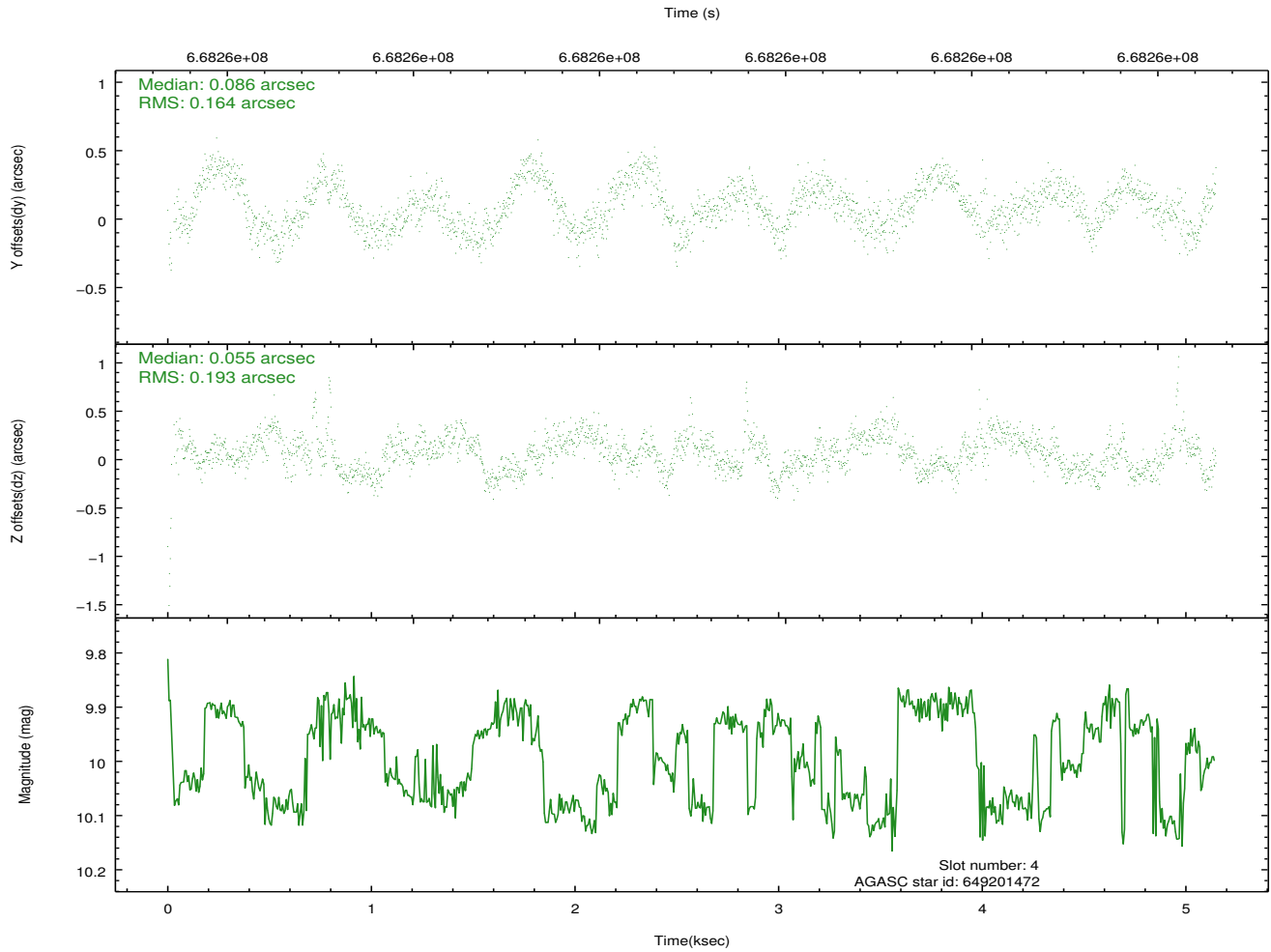
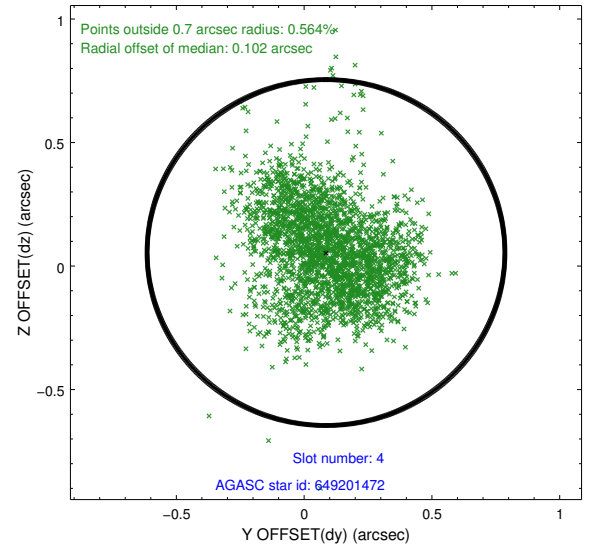
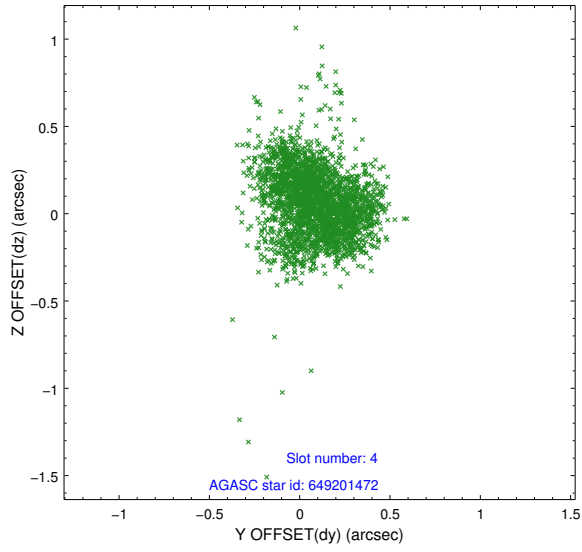
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.13	1256	1.000	0.090	-0.073	0.008	0.013	0.000000	0.000000	924.95	-845
1	FID		ACIS-I-5	7.12	1256	1.000	-0.465	0.013	0.008	0.014	0.000000	0.000000	-1823.20	1051
2	FID		ACIS-I-6	7.13	1256	1.000	0.282	0.131	0.009	0.016	0.000000	0.000000	389.22	1697
3	GUIDE	used	649199672	9.31	2508	1.000	-0.497	-0.472	0.174	0.270	192.825982	-2.900109	677.57	1912
4	GUIDE	used	649201472	9.99	2483	1.000	0.086	0.055	0.261	0.404	193.019003	-3.395708	-824.97	729
5	GUIDE	used	649201816	9.05	2506	1.000	0.107	-0.099	0.160	0.316	192.683457	-3.707101	-2250.24	1553
6	GUIDE	used	649201840	9.29	2511	1.000	0.115	0.120	0.138	0.224	193.085951	-3.697259	-1794.58	182
7	GUIDE	used	649209392	6.32	2511	1.000	0.189	0.366	0.126	0.184	193.296490	-3.553100	-1077.43	-386

2.4 Star Slots

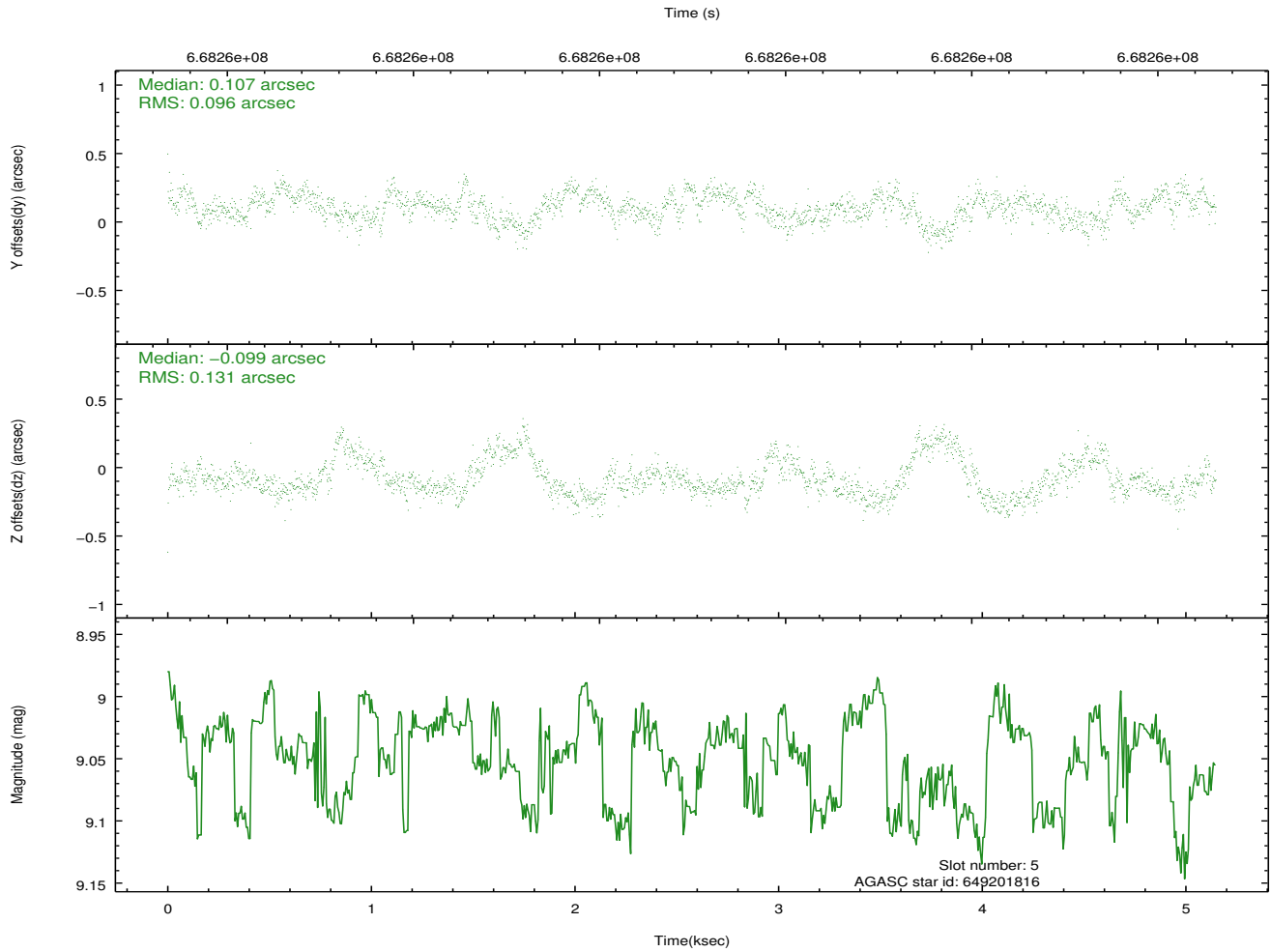
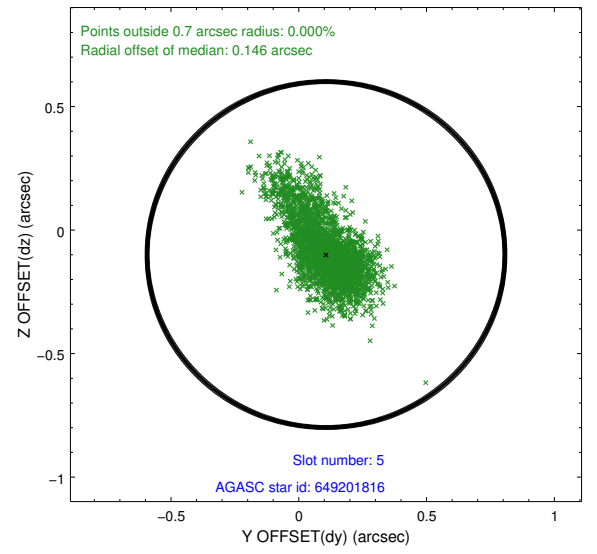
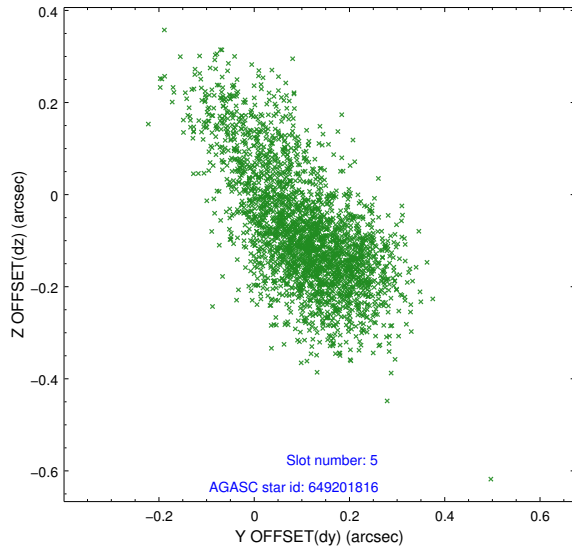
2.4.1 Slot 3



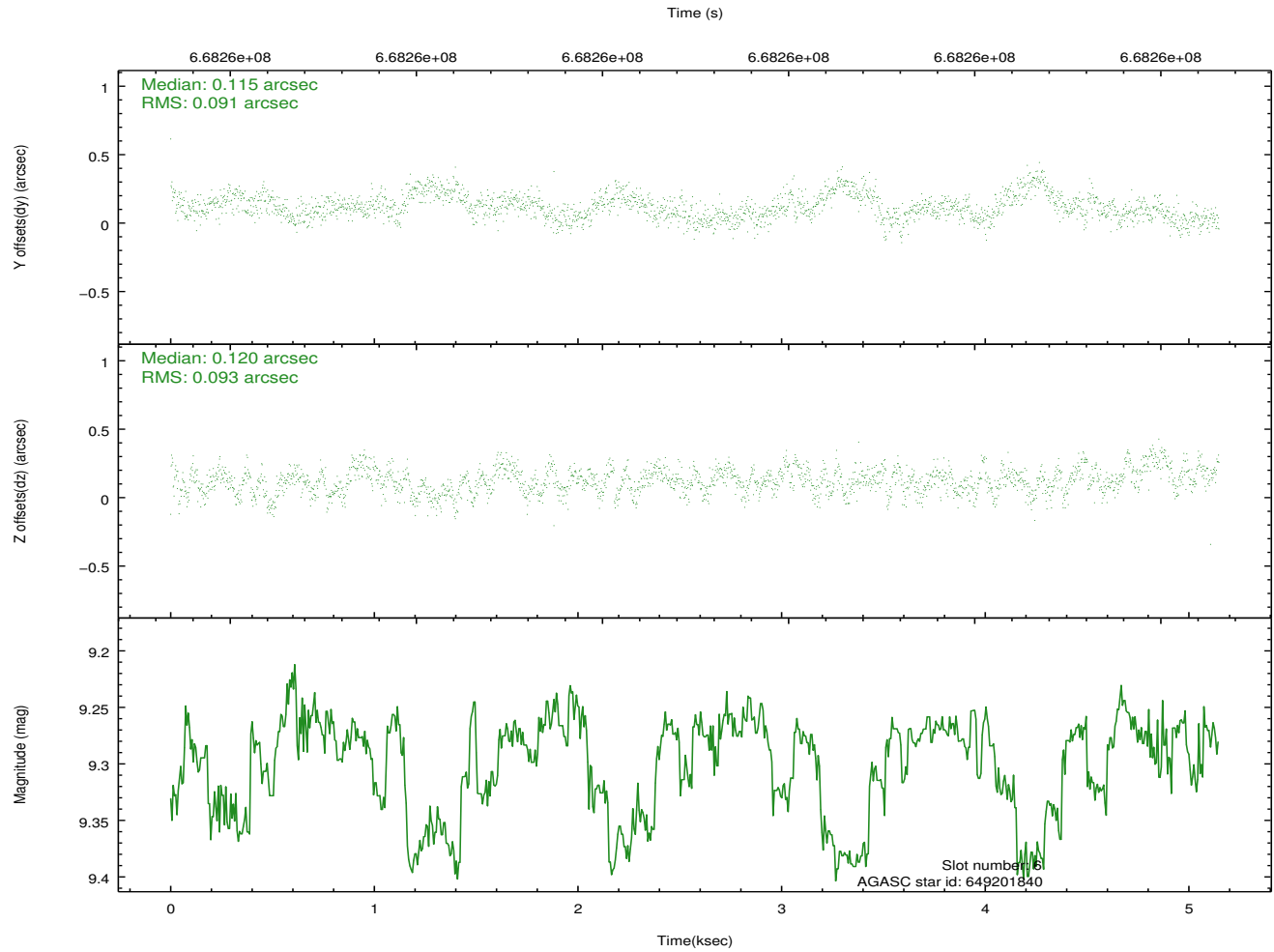
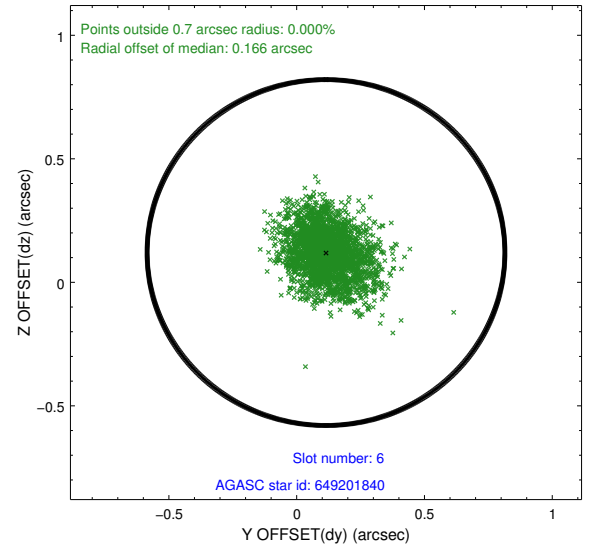
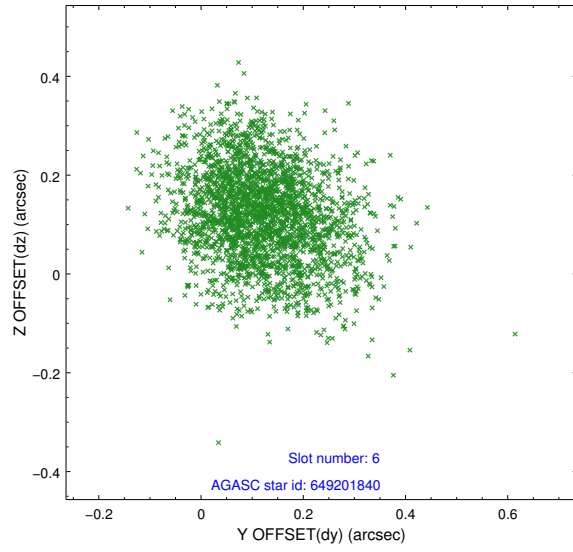
2.4.2 Slot 4



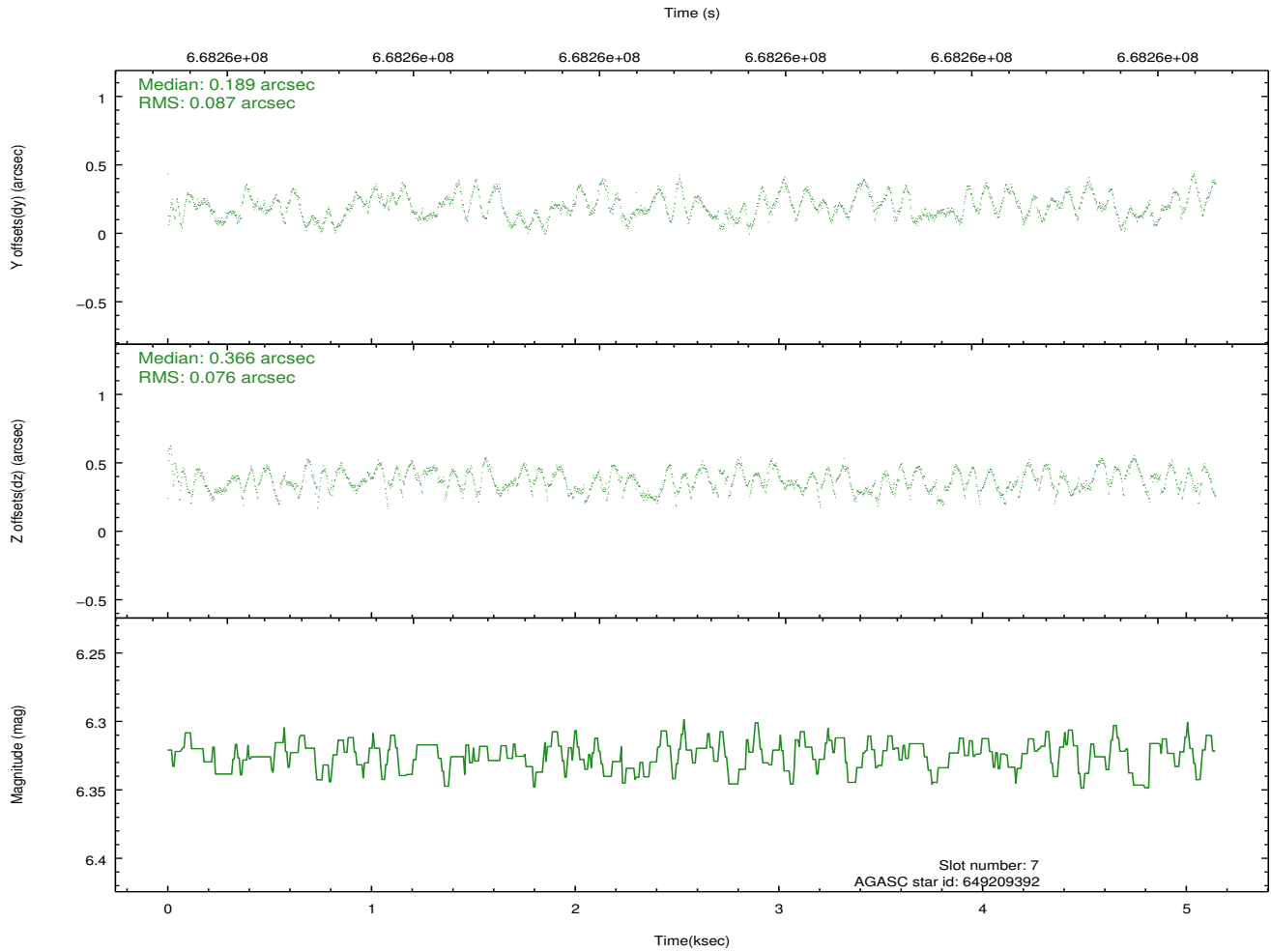
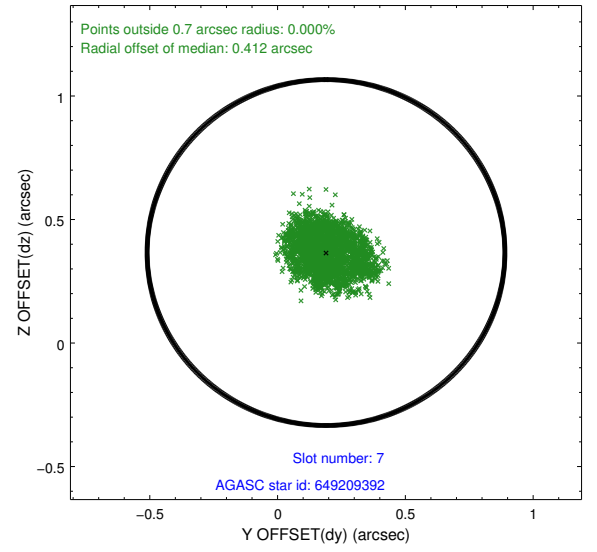
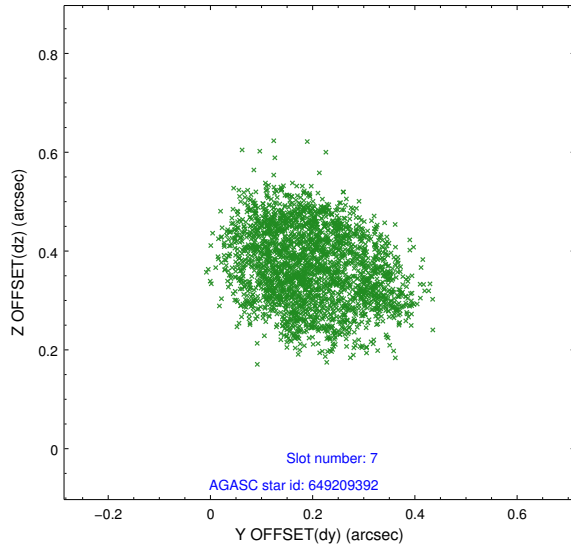
2.4.3 Slot 5



2.4.4 Slot 6

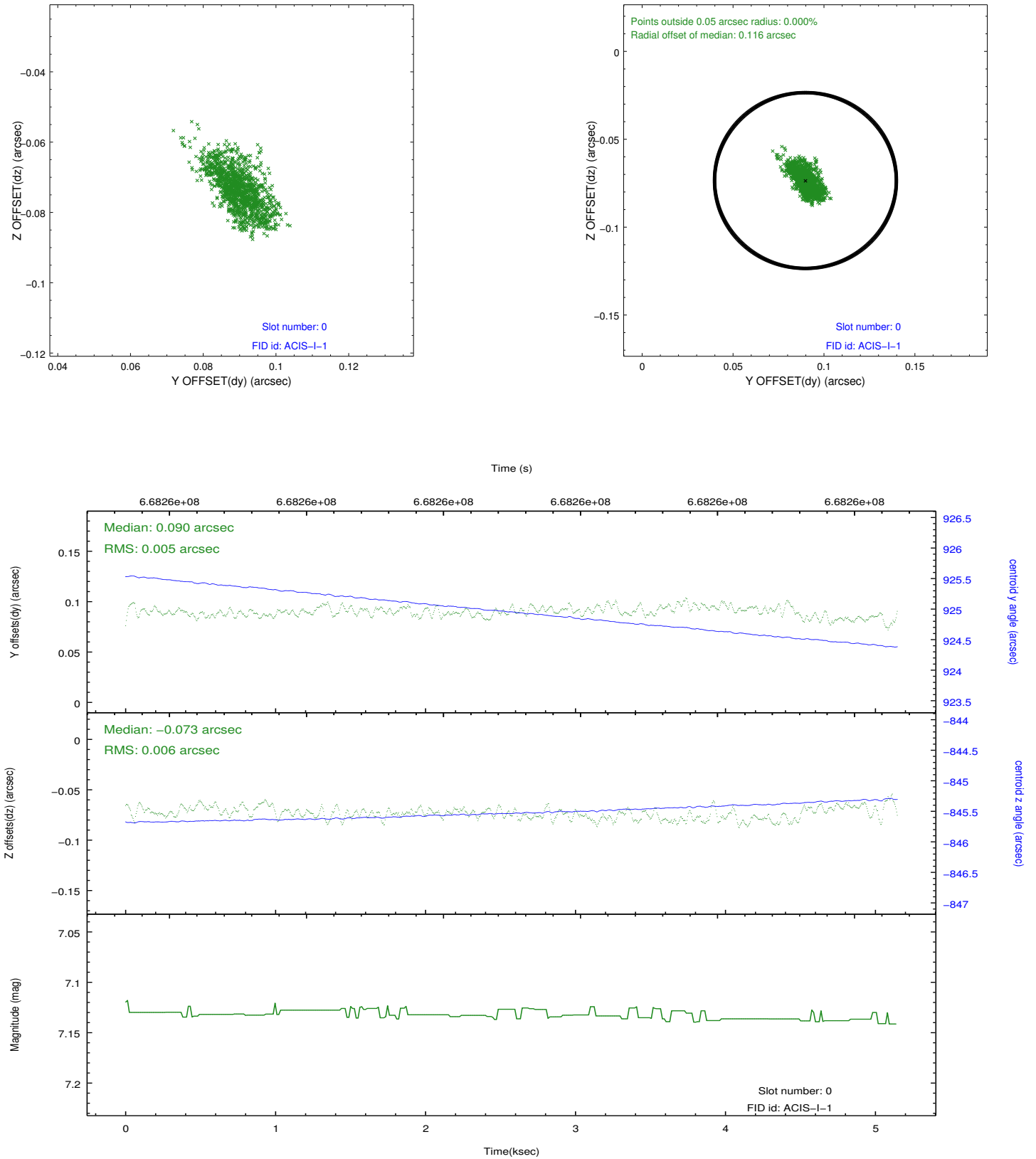


2.4.5 Slot 7

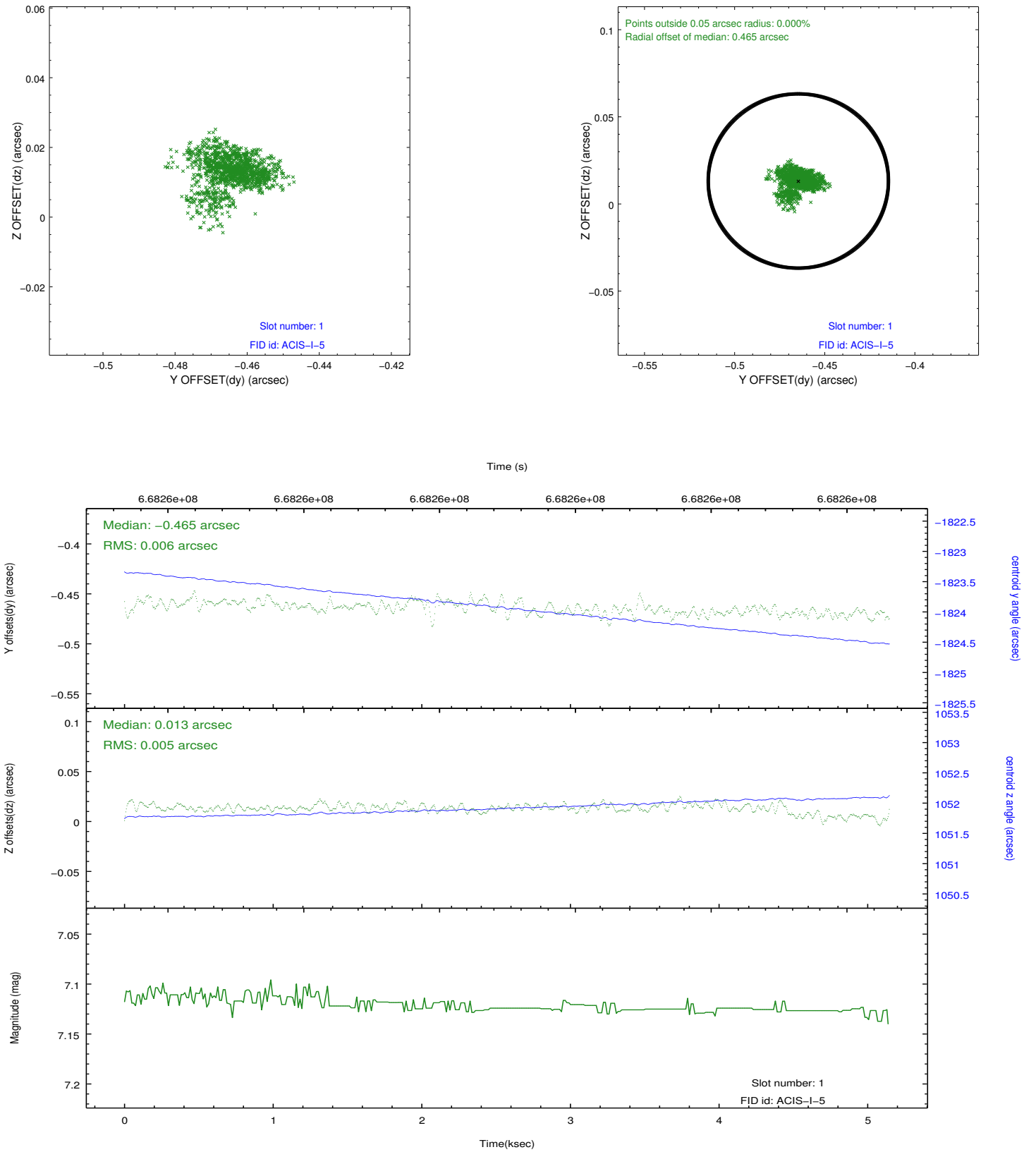


2.5 FID Slots

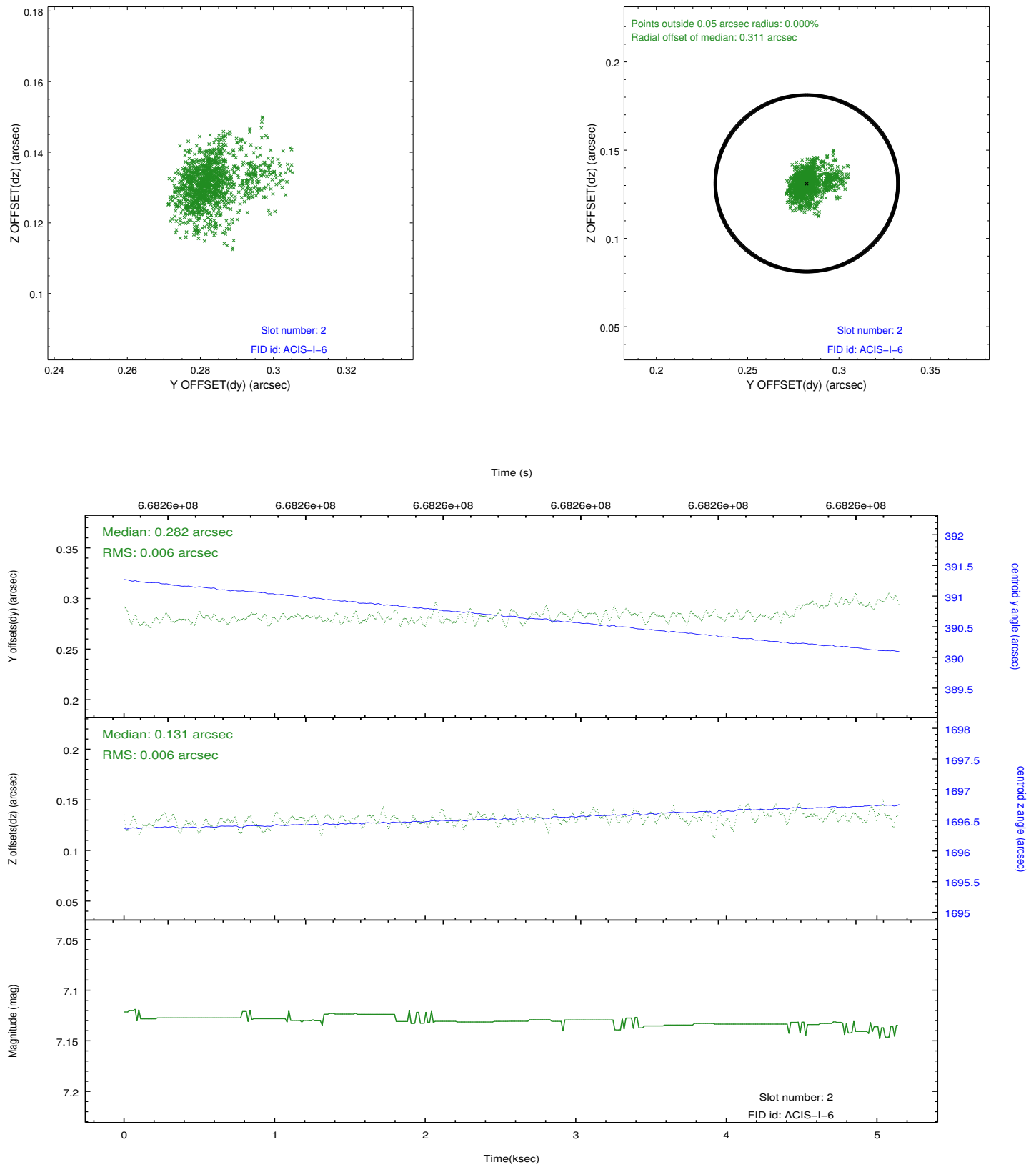
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.03.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0763716500998

A.2 Comments