

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18123 - L2 Version 1
Chandra X-Ray Center

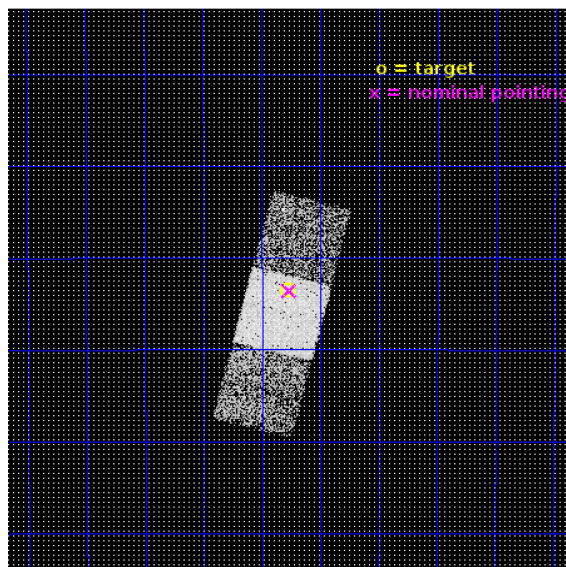
L2 Processing Date : Aug 20 2016

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1 Front

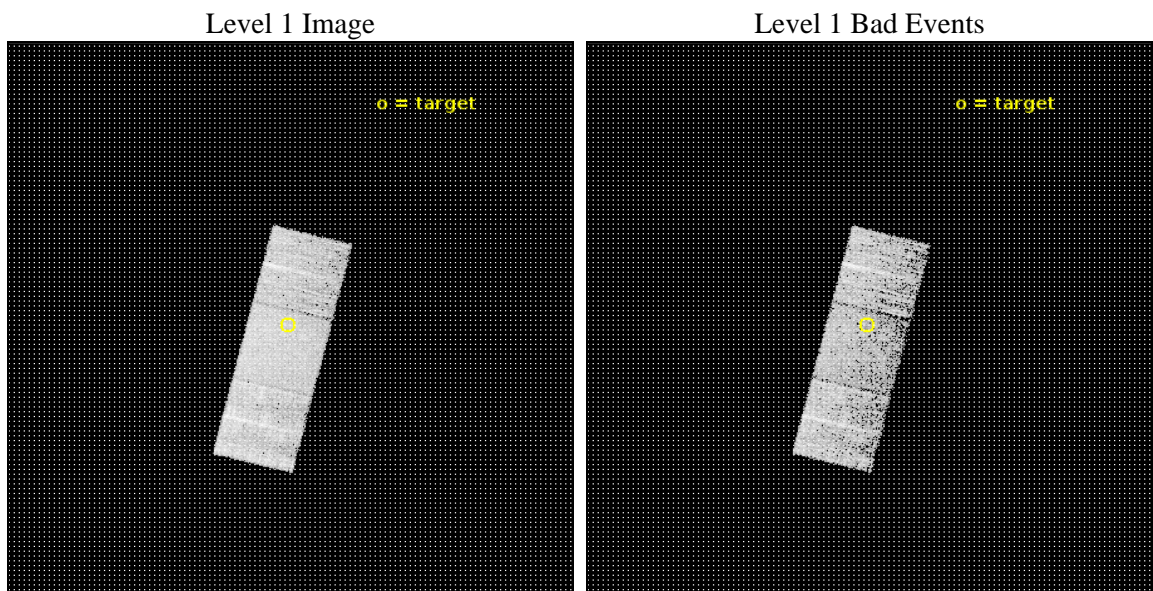
seq_num	703189	Sequence number
obs_id	18123	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc147	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.819167	Observer's specified target RA [deg]
dec_targ	-35.22625	Observer's specified target Dec [deg]
ra_nom	53.816114862091	Nominal RA [deg]
dec_nom	-35.226574365558	Nominal Dec [deg]
roll_nom	104.15490372964	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4913.5000379086	Sum of GTIs [s]
livetime	4849.3015426472	Livetime [s]
ontime6	4913.5000379086	Sum of GTIs [s]
ontime7	4913.5000379086	Sum of GTIs [s]
ontime8	4913.5000379086	Sum of GTIs [s]
l2events	24162	Number of level 2 events



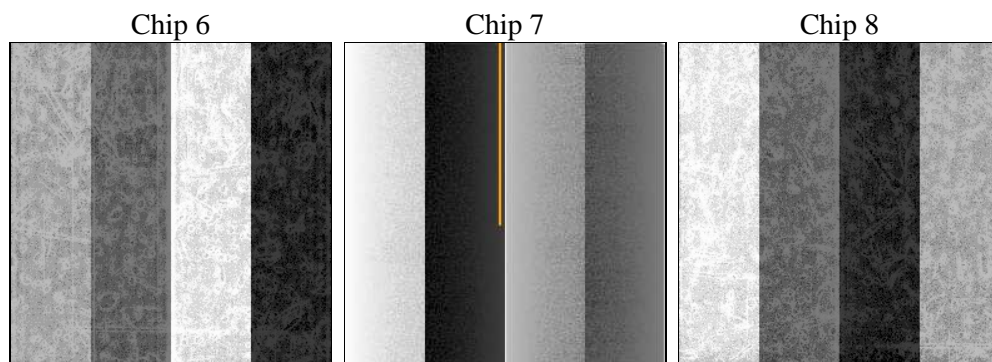
2 OBI

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	10.5	Processing system revision	ontime	4913.5000379086	Sum of GTIs [s]
caldsver	4.7.2	 	ontime6	4913.5000379086	Sum of GTIs [s]
date	2016-08-20T11:39:08	Date and time of file creation	ontime7	4913.5000379086	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4913.5000379086	Sum of GTIs [s]
			l1events	115227	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	32209	40497	42521
rejected events	28657	22703	30693
rejected %	88%	56%	72%

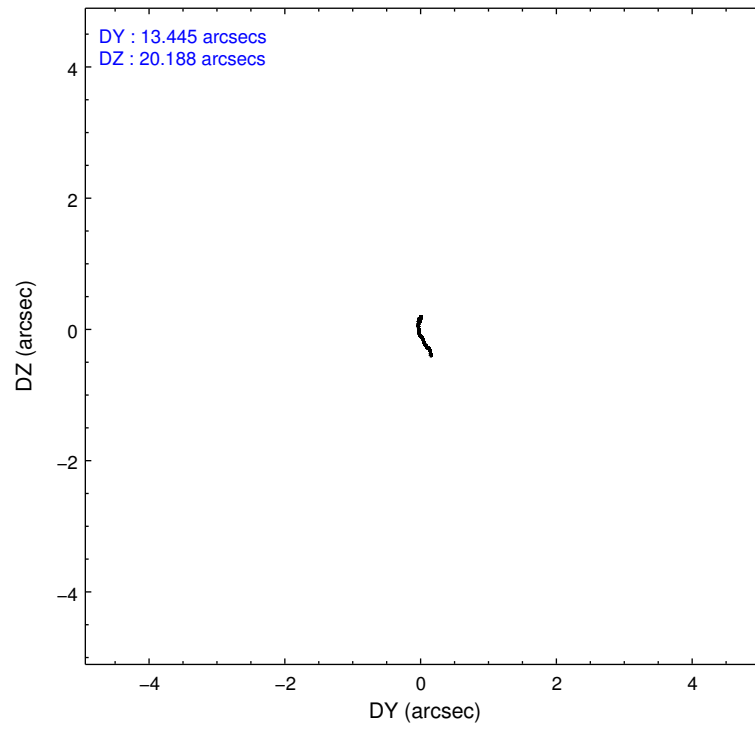
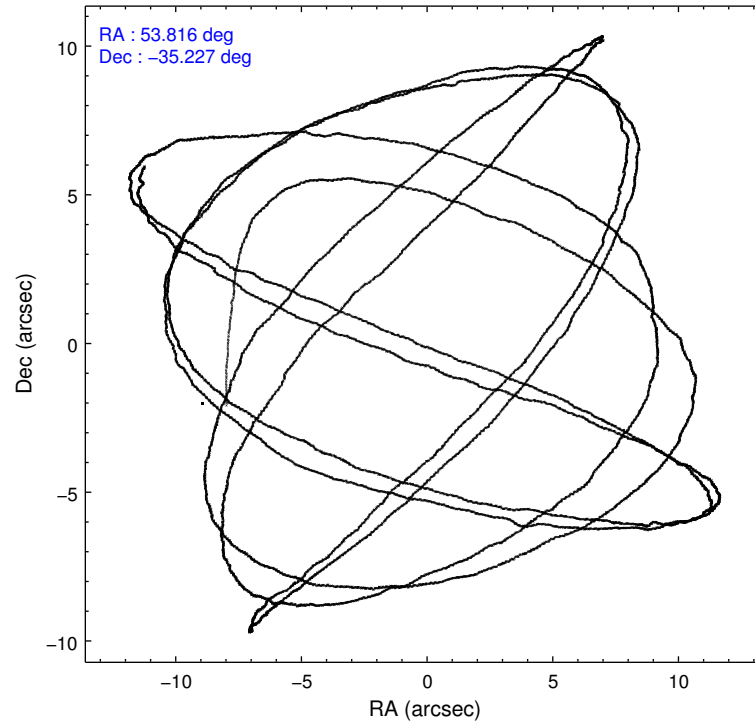
	ccd 6	ccd 7	ccd 8
grade 0 events	1289	1634	3551
	4%	4%	8%
grade 1 events	14	54	26
	0%	0%	0%
grade 2 events	798	3805	2919
	2%	9%	6%
grade 3 events	341	1486	1175
	1%	3%	2%
grade 4 events	339	1445	1107
	1%	3%	2%
grade 5 events	1456	4120	2233
	4%	10%	5%
grade 6 events	792	9448	3085
	2%	23%	7%
grade 7 events	27180	18505	28425
	84%	45%	66%

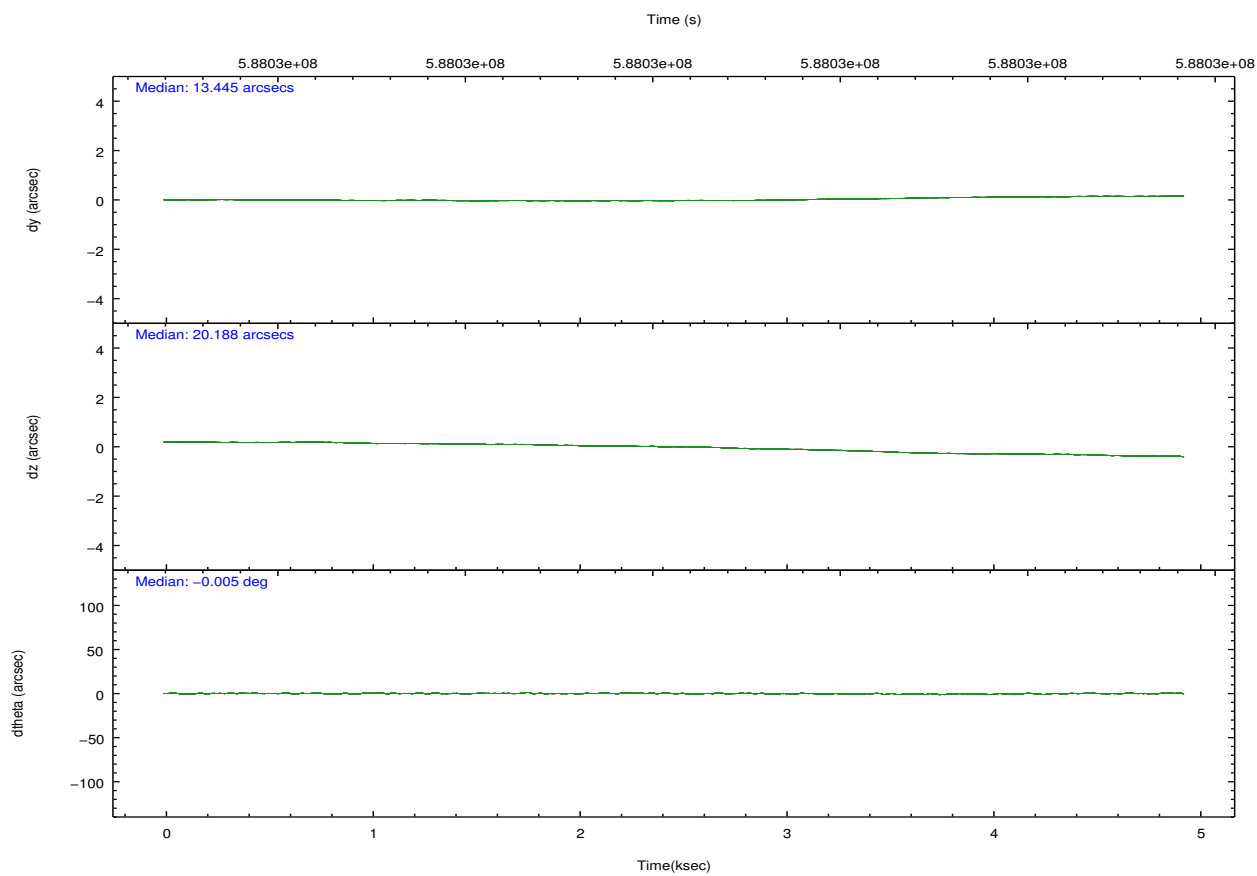
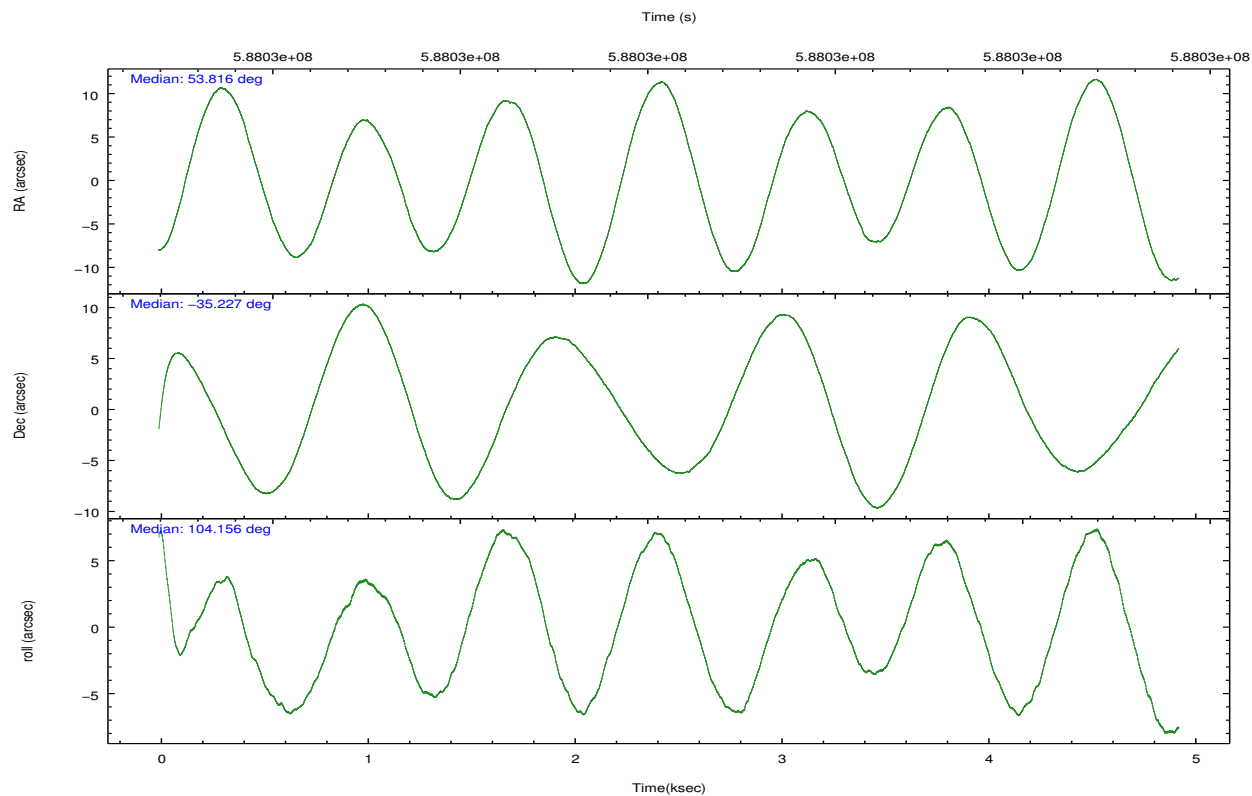
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	53.839822	53.81611486209078
[deg] Pointing Dec	-35.245952	-35.22657436555784
[deg] Pointing Roll	104.011919	104.1549037296436
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	588027765.184000	588026314.90755
Observation start date	2016-08-19T21:01:37	2016-08-19T20:38:34
[s] Observation end time (MET)	588032565.184000	588033342.8204499
Observation end date	2016-08-19T22:21:37	2016-08-19T22:35:42
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	N	N
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O2	Y
CCD S3 on	Y	Y
CCD S4 on	O1	Y
CCD S5 on	N	N
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



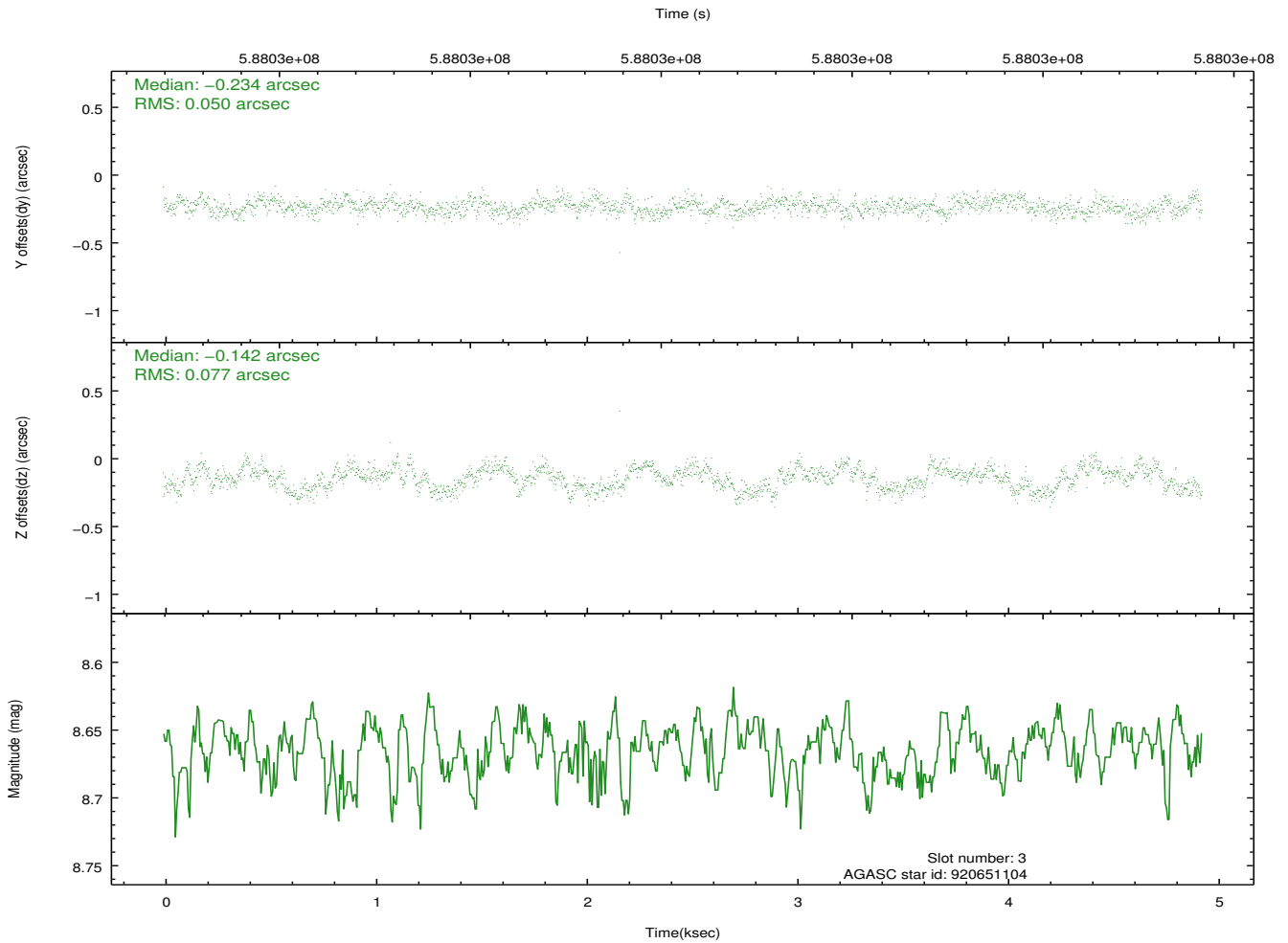
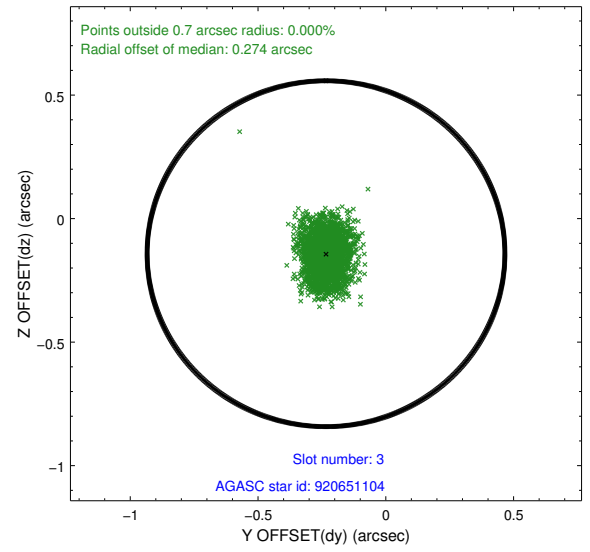
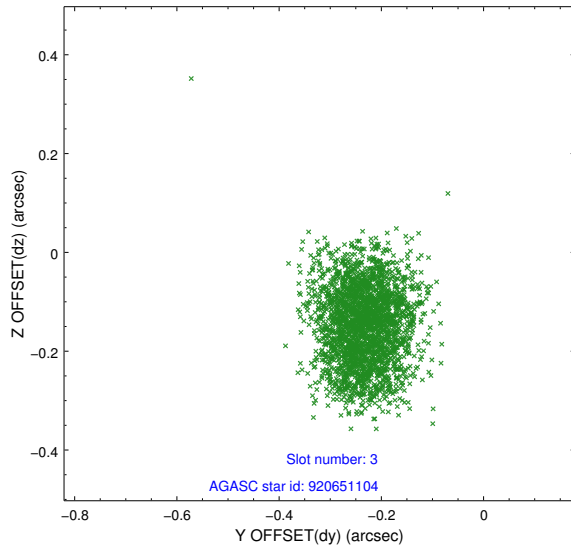


Slot Statistics

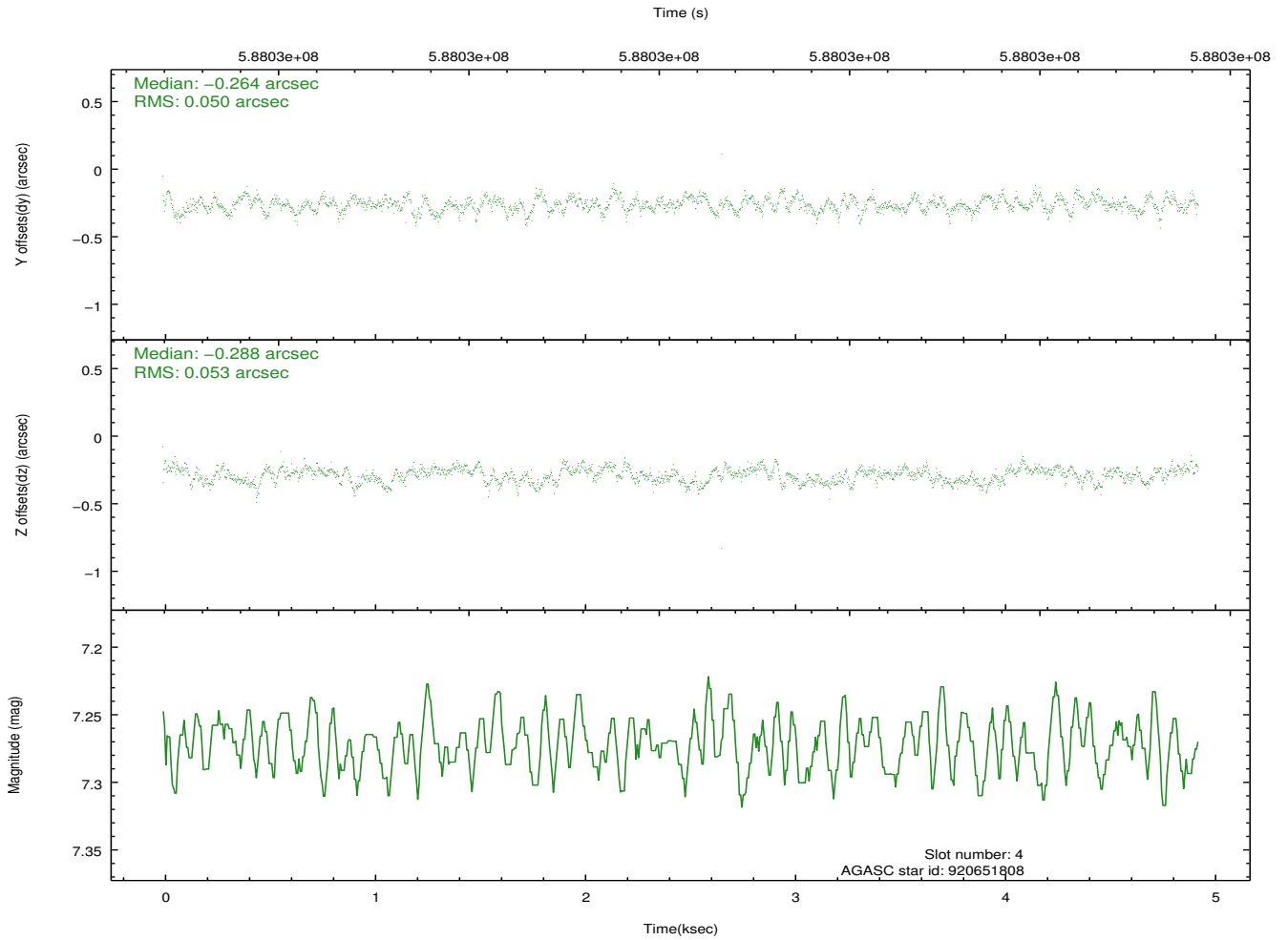
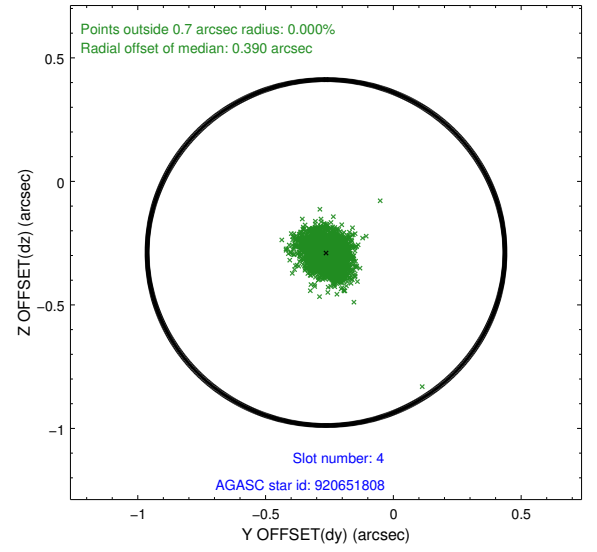
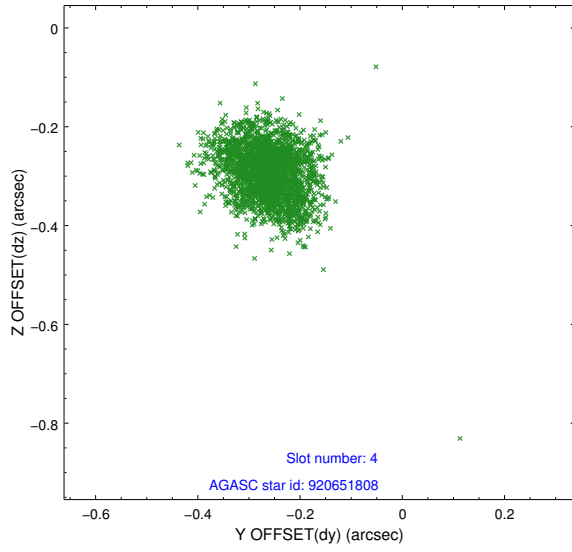
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	1203	-0.161	-0.052	0.008	0.013	0.000000	0.000000	-766.53	-1741.67
1	FID		ACIS-S-4	7.06	1203	0.401	0.092	0.006	0.011	0.000000	0.000000	2146.71	165.72
2	FID		ACIS-S-5	7.07	1203	-0.271	-0.031	0.007	0.013	0.000000	0.000000	-1817.93	160.61
3	GUIDE	used	920651104	8.66	2403	-0.234	-0.142	0.098	0.155	53.495721	-34.796351	1815.13	595.76
4	GUIDE	used	920651808	7.27	2406	-0.264	-0.288	0.078	0.123	53.624364	-34.832415	1598.13	257.99
5	GUIDE	used	921048648	9.01	2404	0.083	-0.126	0.100	0.164	53.884610	-35.870023	-2209.48	416.94
6	GUIDE	used	921966544	7.89	2405	0.453	0.431	0.081	0.127	54.743508	-35.636012	-2014.80	-2220.86
7	GUIDE	used	921572720	8.70	2402	-0.037	0.131	0.109	0.179	54.127171	-34.789534	1386.92	-1222.43

2.4 Star Slots

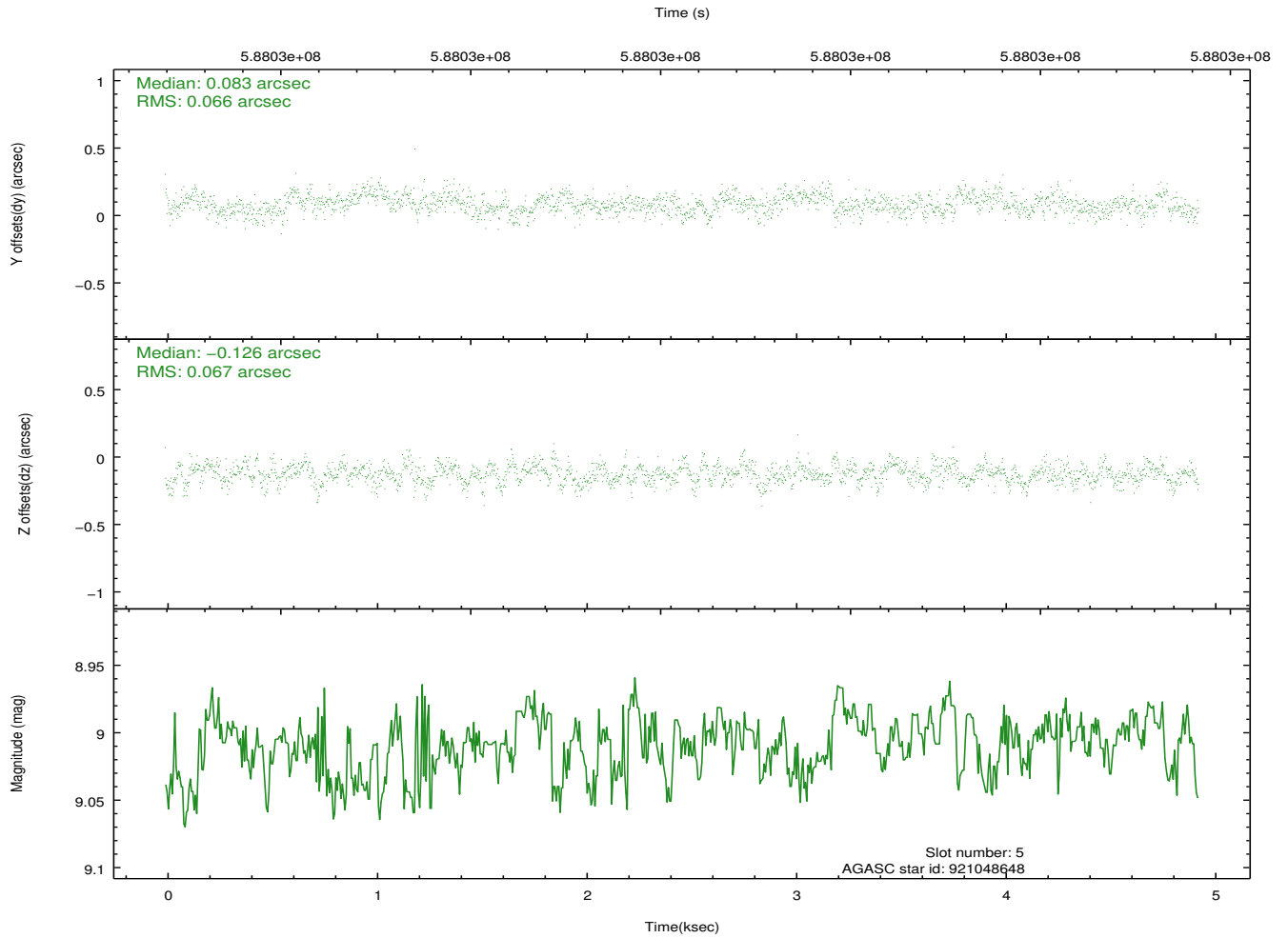
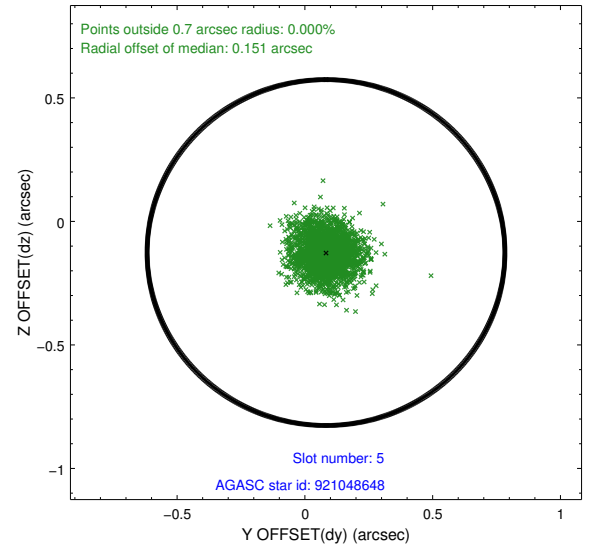
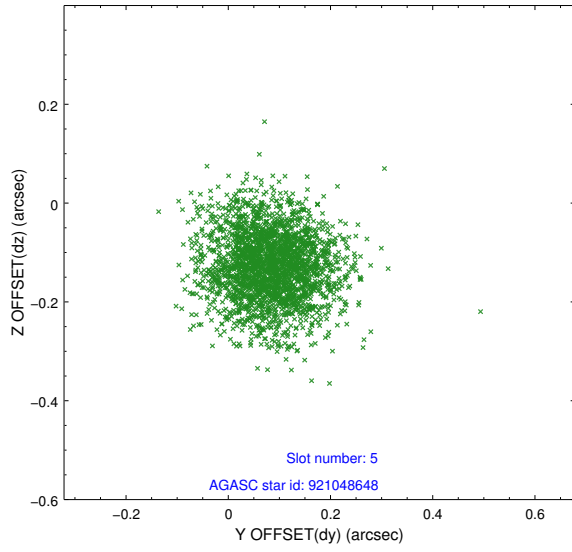
2.4.1 Slot 3



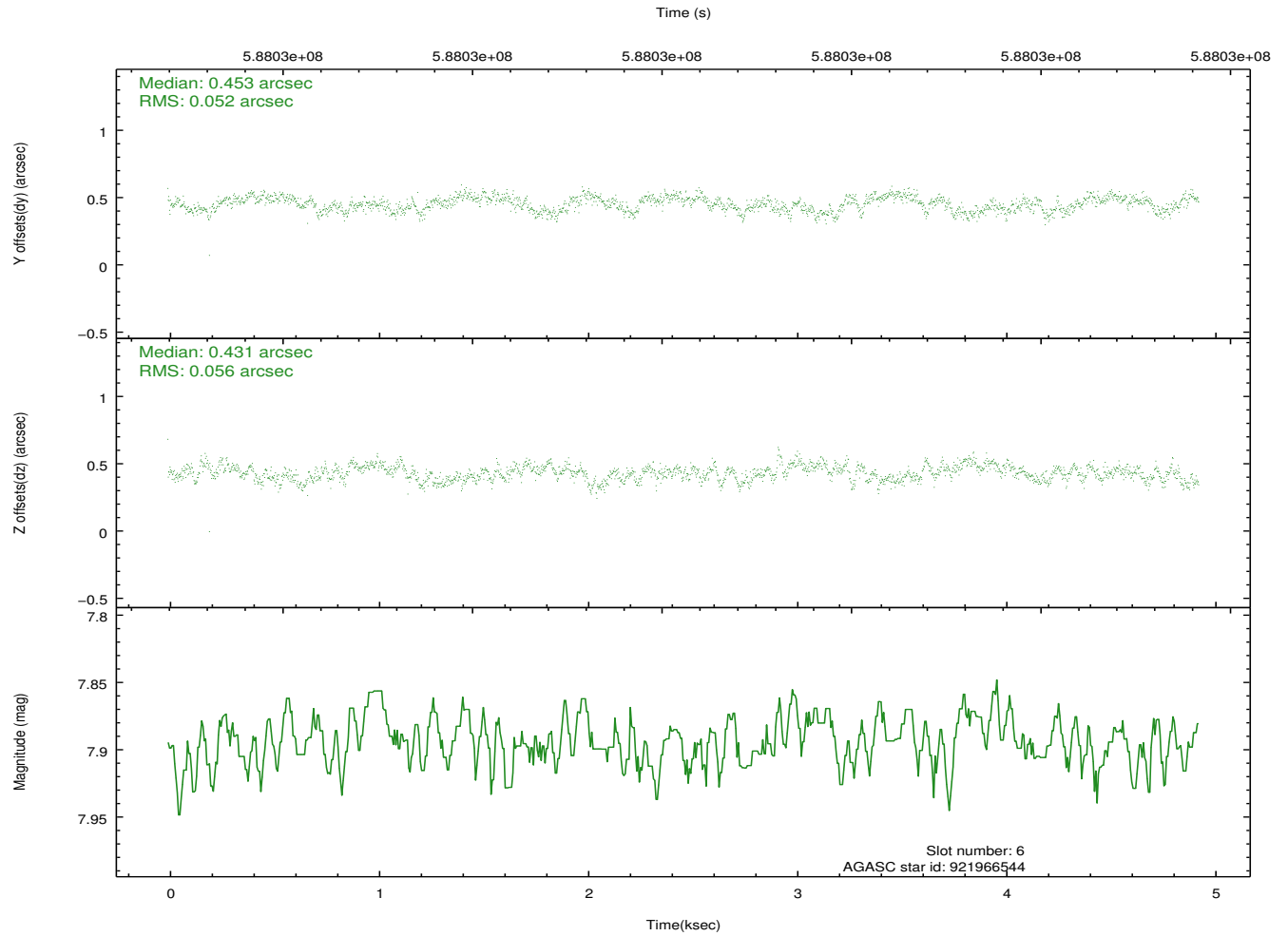
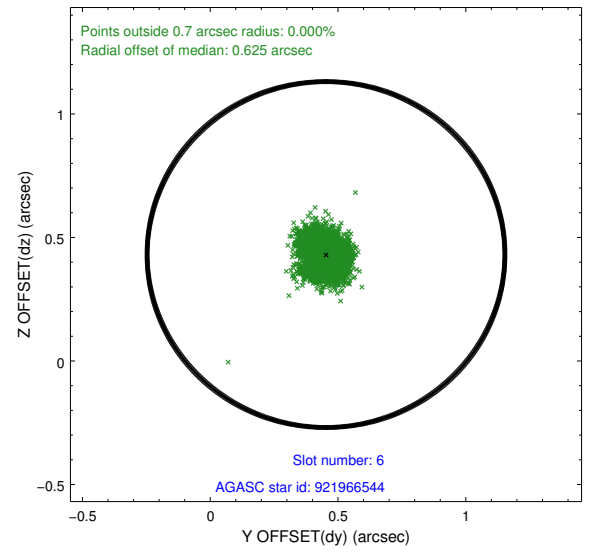
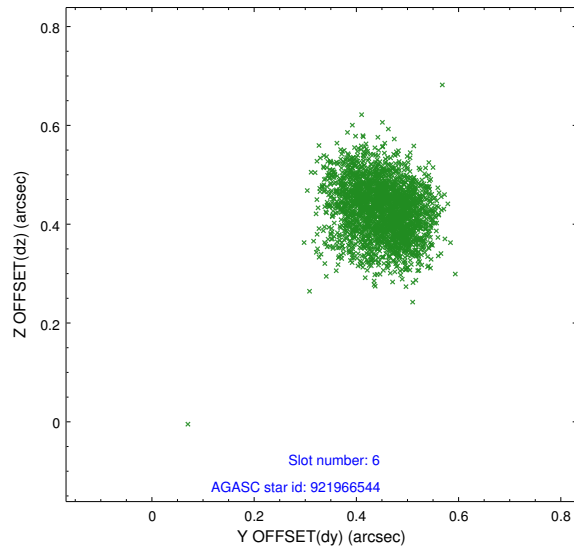
2.4.2 Slot 4



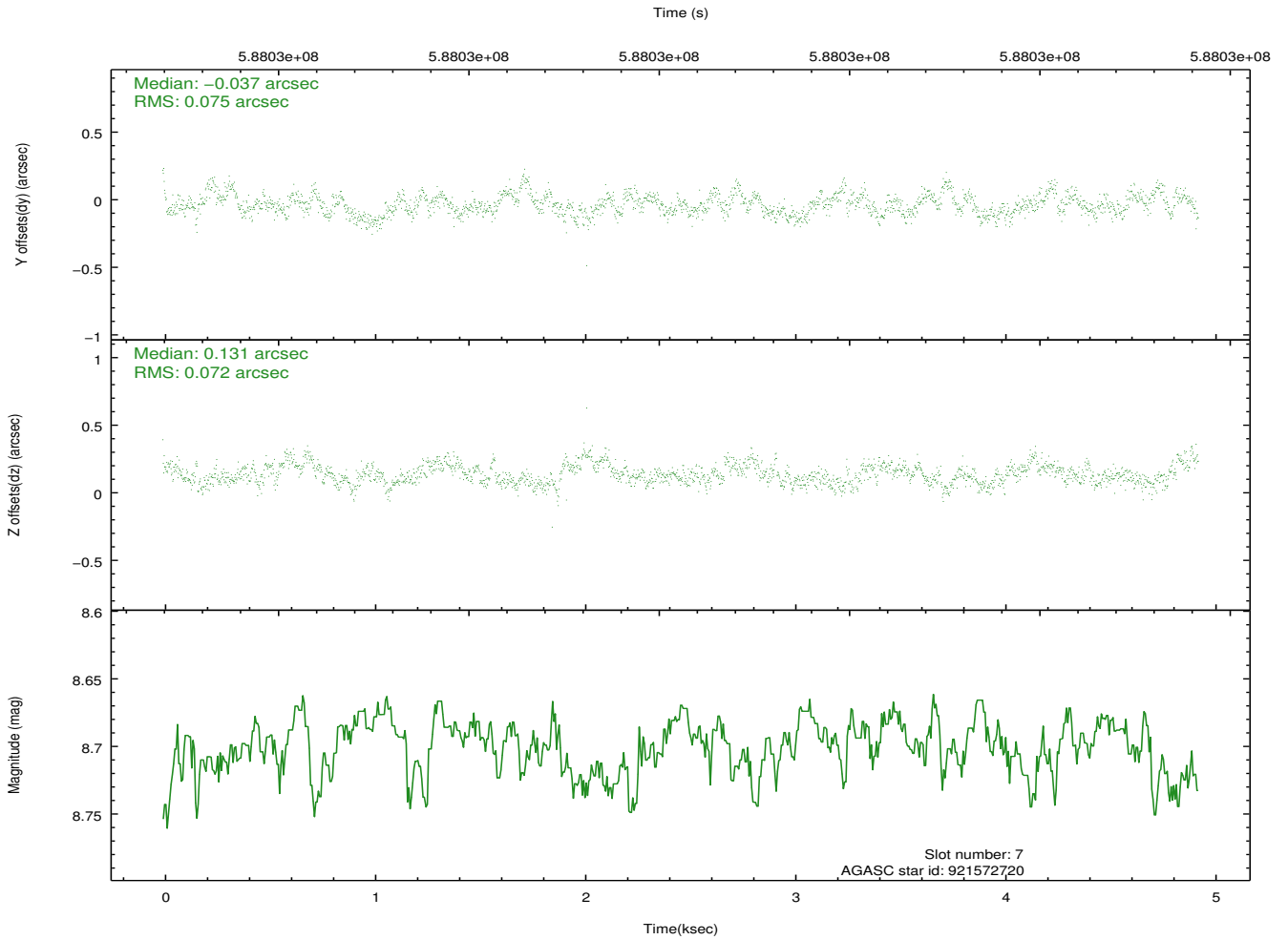
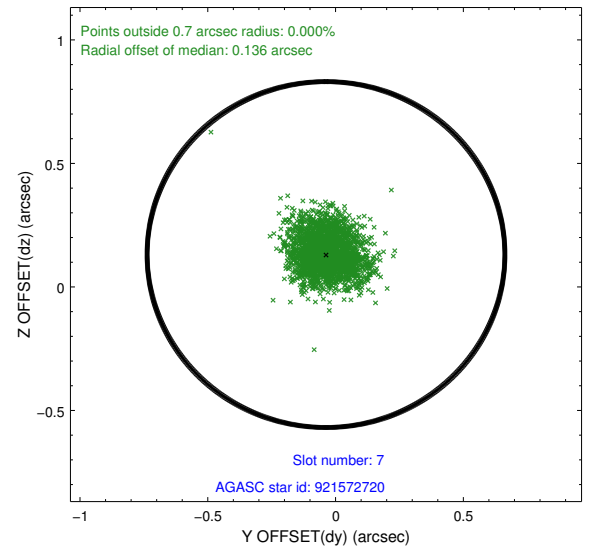
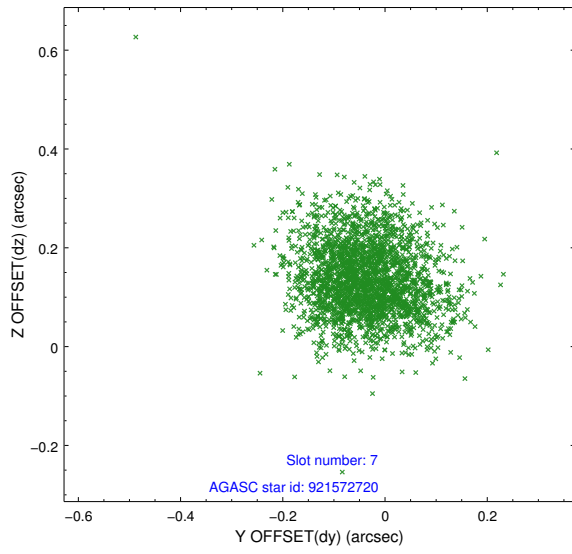
2.4.3 Slot 5



2.4.4 Slot 6

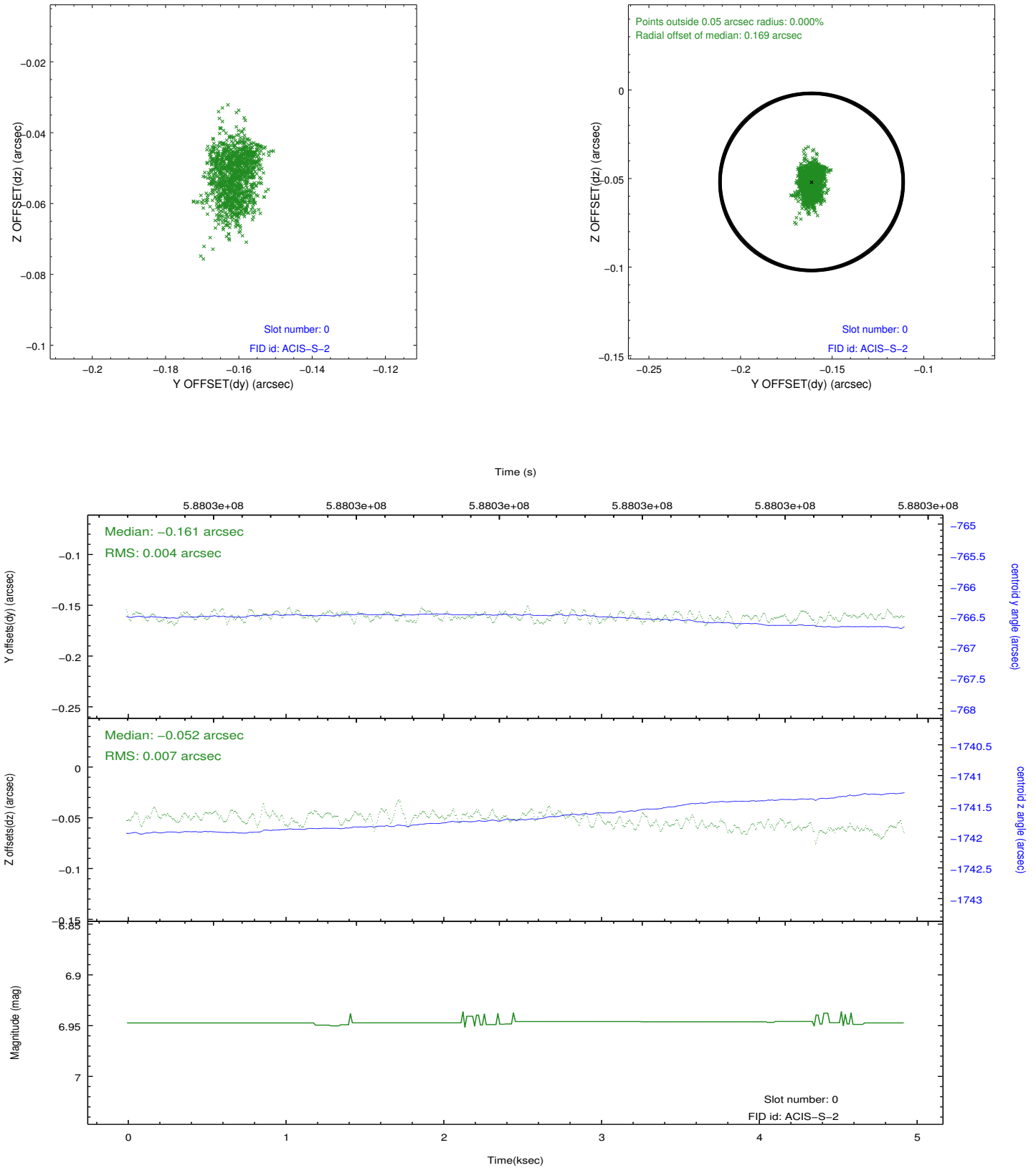


2.4.5 Slot 7

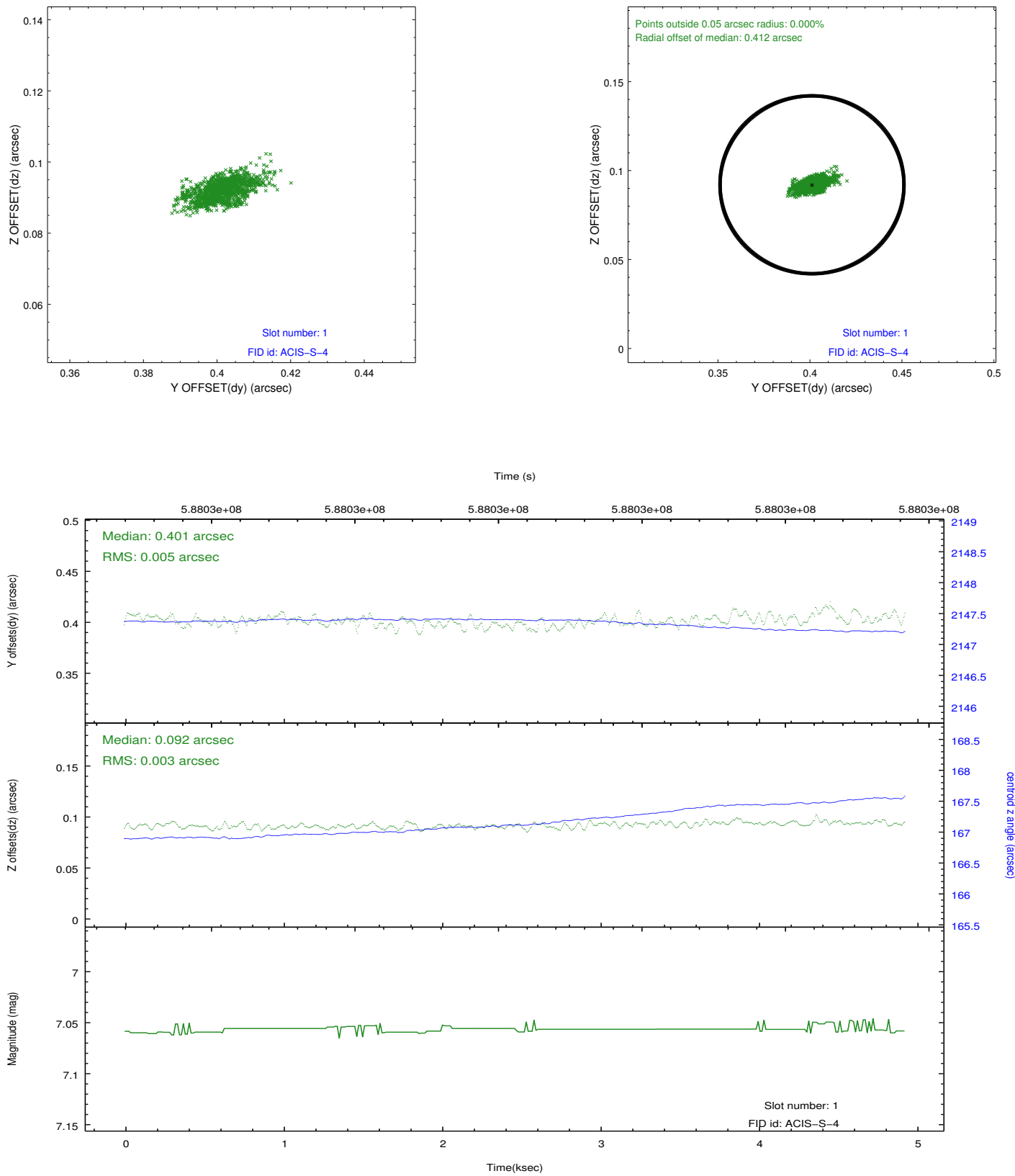


2.5 FID Slots

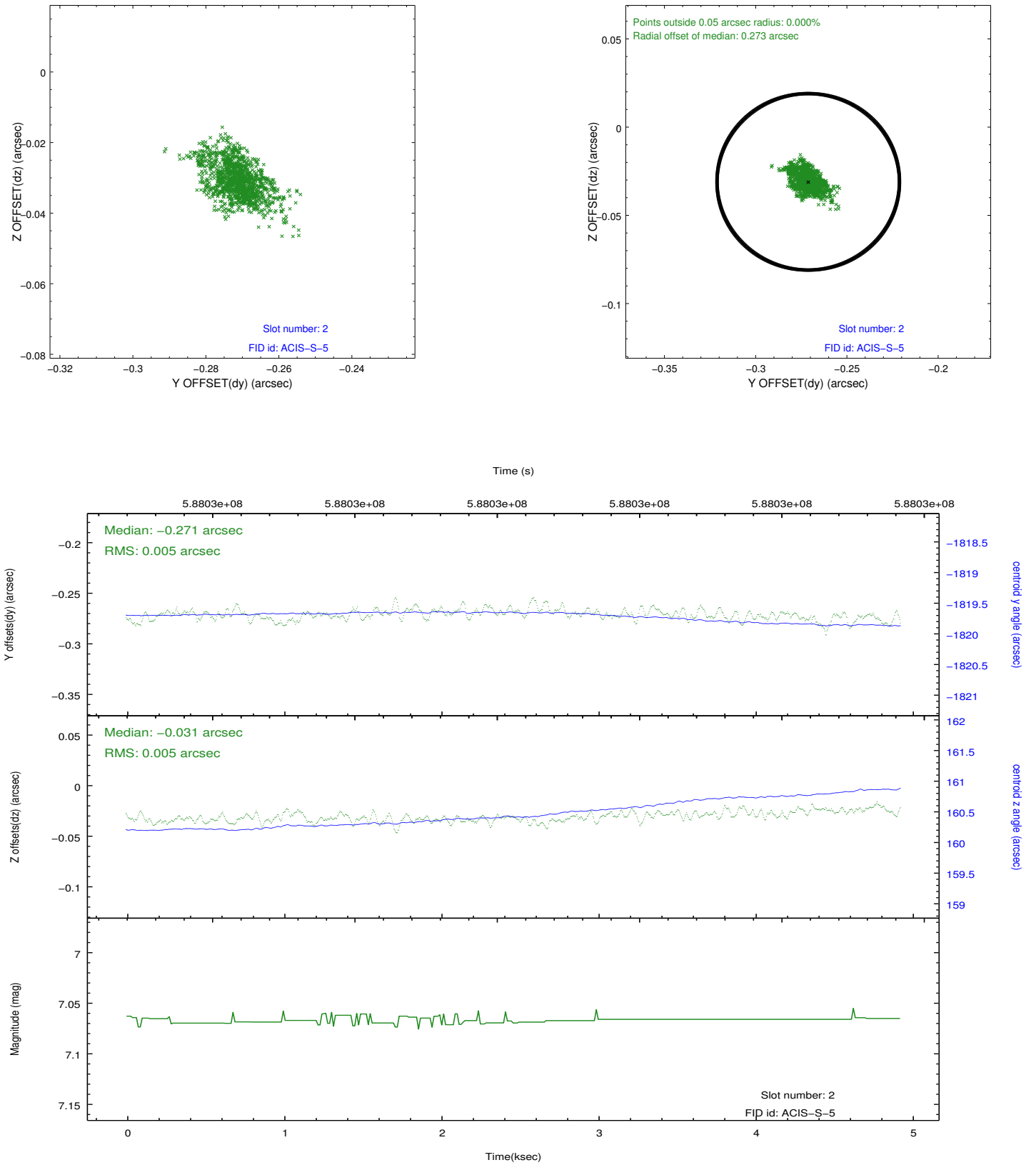
2.5.1 Slot 0



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)	2016.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9135000379086

A.2 Comments