

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17466 - L2 Version 1
Chandra X-Ray Center

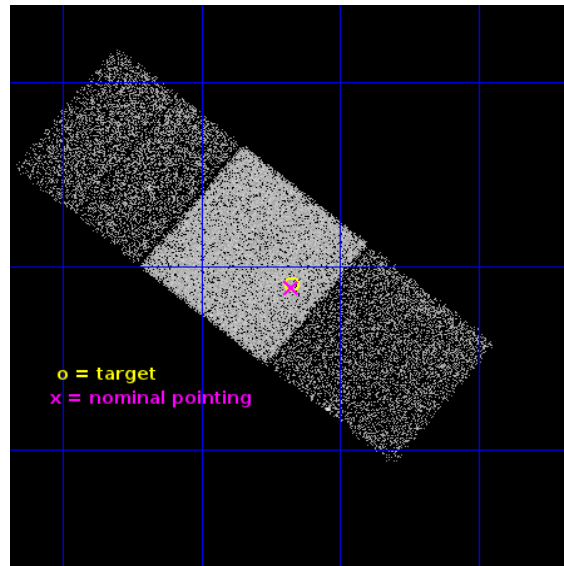
L2 Processing Date : Apr 14 2016

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

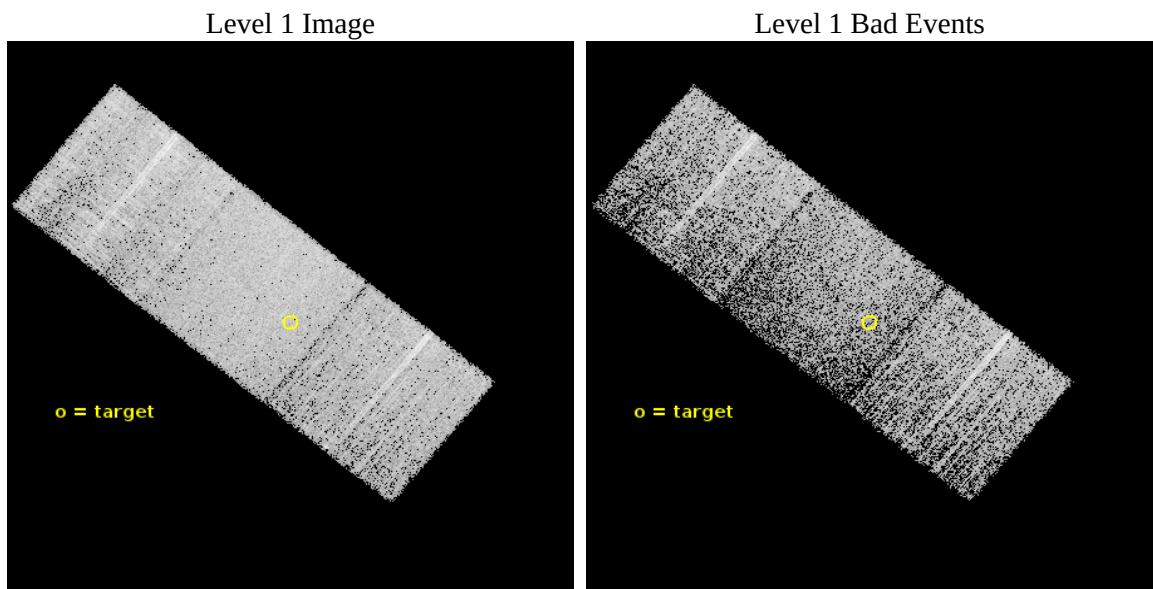
seq_num	703143	Sequence number
obs_id	17466	Observation id
title	Intrinsic X-ray Weakness and the Launching of Powerful Quasar Winds	
observer	Gordon Garmire	Principal investigator
object	LBQS 1212+1445	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.667917	Observer's specified target RA [deg]
dec_targ	14.483083	Observer's specified target Dec [deg]
ra_nom	183.66888681526	Nominal RA [deg]
dec_nom	14.480518453755	Nominal Dec [deg]
roll_nom	219.19016126872	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11311.446241856	Sum of GTIs [s]
livetime	11163.65386934	Livetime [s]
ontime6	11311.405201912	Sum of GTIs [s]
ontime7	11311.446241856	Sum of GTIs [s]
ontime8	11308.223091245	Sum of GTIs [s]
l2events	50750	Number of level 2 events



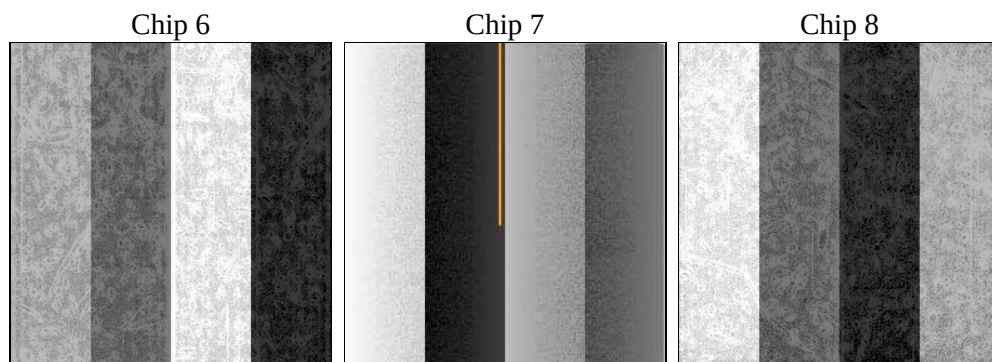
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11200.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	11311.446241856	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	11311.405201912	Sum of GTIs [s]
date	2016-04-14T14:12:49	Date and time of file creation	ontime7	11311.446241856	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	11308.223091245	Sum of GTIs [s]
			l1events	246490	Number of level 1 events

2.1.4 Events

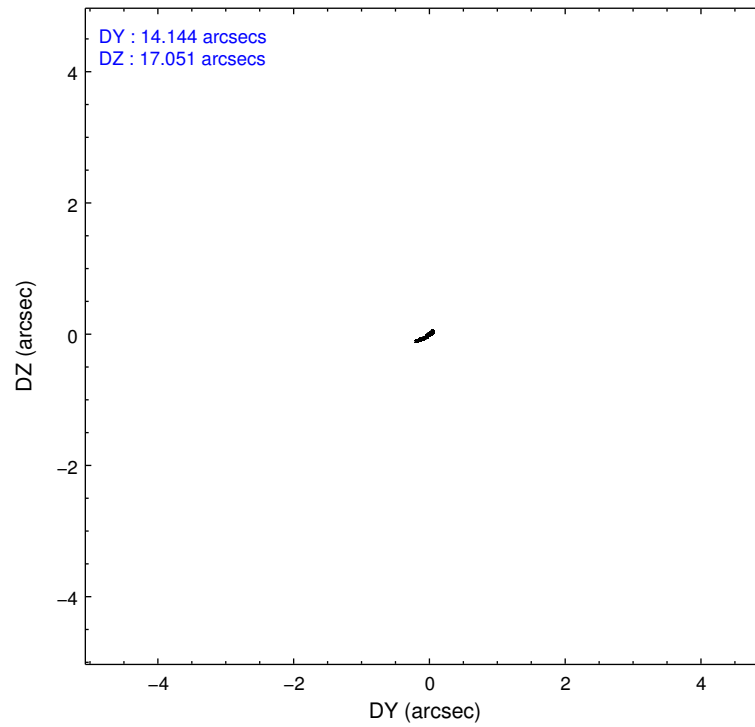
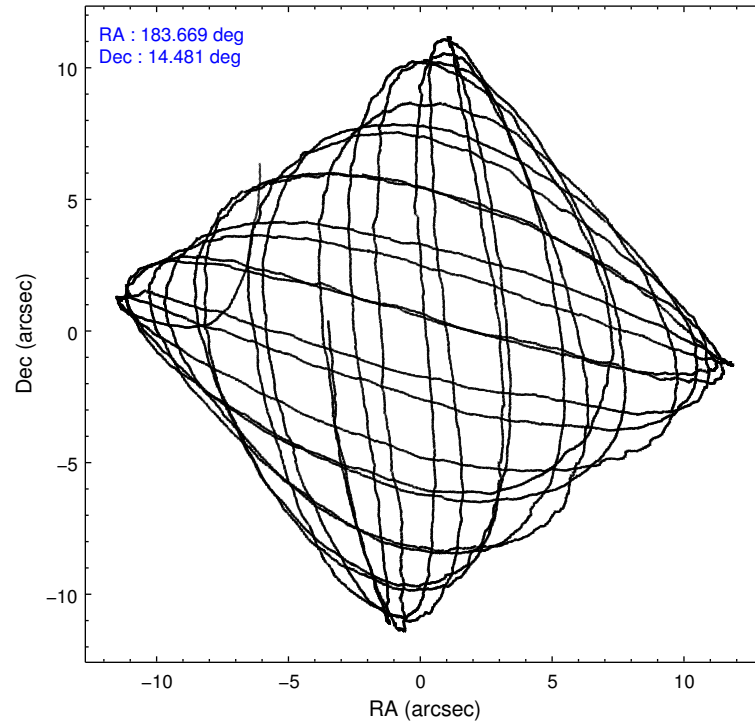
	ccd 6	ccd 7	ccd 8
level 1 events	68939	88670	88881
rejected events	61157	51243	65990
rejected %	88%	57%	74%

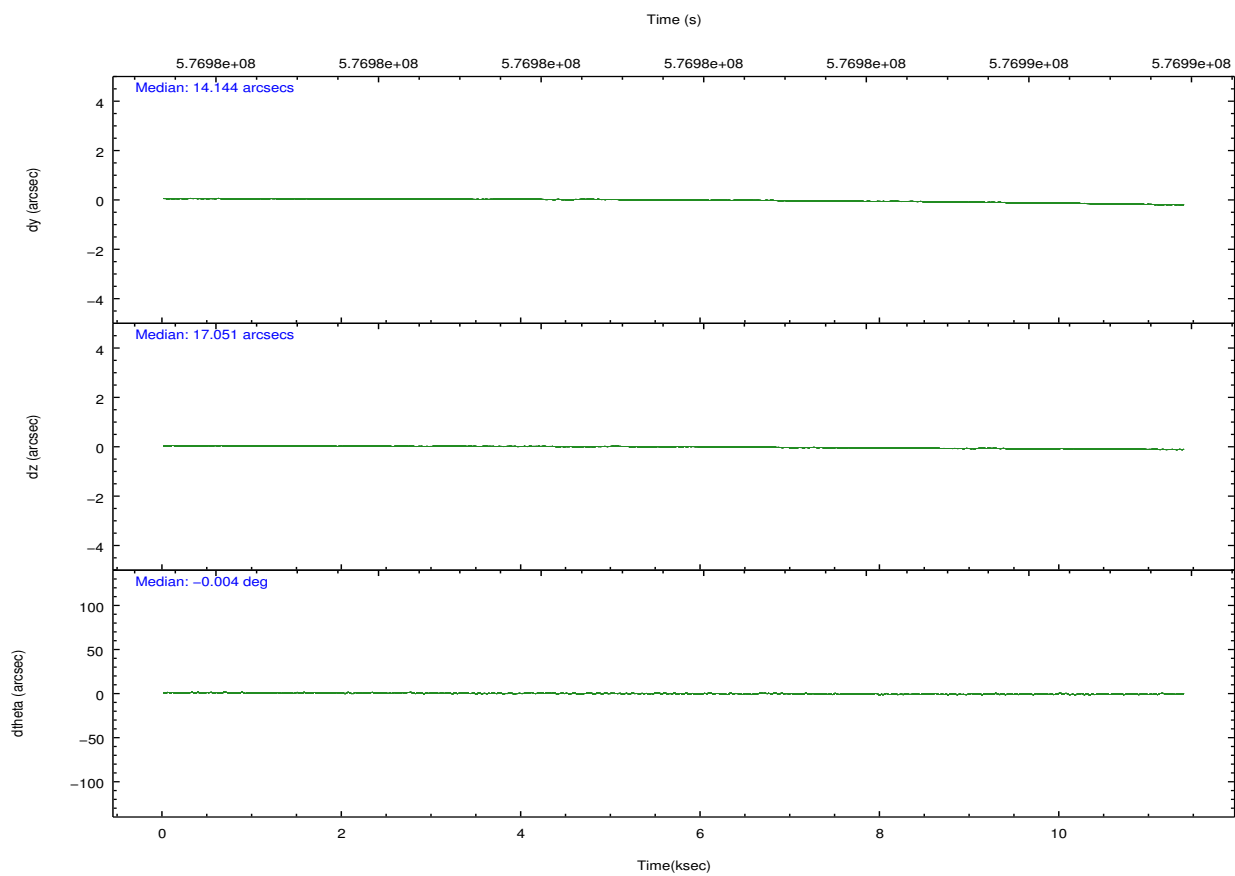
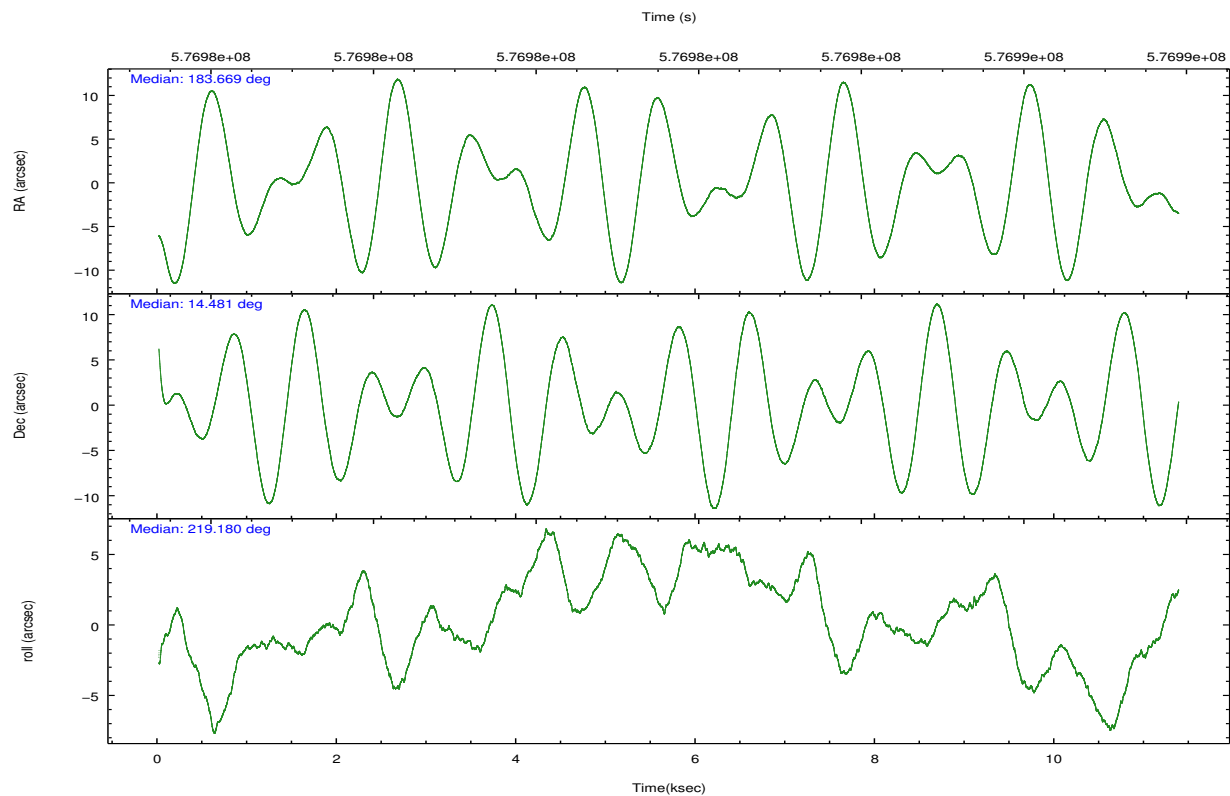
	ccd 6	ccd 7	ccd 8
grade 0 events	2455	3048	6483
	3%	3%	7%
grade 1 events	20	117	65
	0%	0%	0%
grade 2 events	1901	7952	5402
	2%	8%	6%
grade 3 events	795	2916	2458
	1%	3%	2%
grade 4 events	757	2659	2324
	1%	2%	2%
grade 5 events	3129	8591	4742
	4%	9%	5%
grade 6 events	1878	20872	6250
	2%	23%	7%
grade 7 events	58004	42515	61157
	84%	47%	68%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	183.678664	183.6688868152558	Subarray requested	NONE	NONE
[deg] Pointing Dec	14.506329	14.48051845375514	Alternating exposures requested	N	N
[deg] Pointing Roll	219.031098	219.1901612687182	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	576976129.184000	576975225.52433			
Observation start date	2016-04-13T23:07:41	2016-04-13T22:53:45			
[s] Observation end time (MET)	576987329.184000	576987979.60005			
Observation end date	2016-04-14T02:14:21	2016-04-14T02:26:19			
Read mode	TIMED	TIMED			

2.3 Aspect



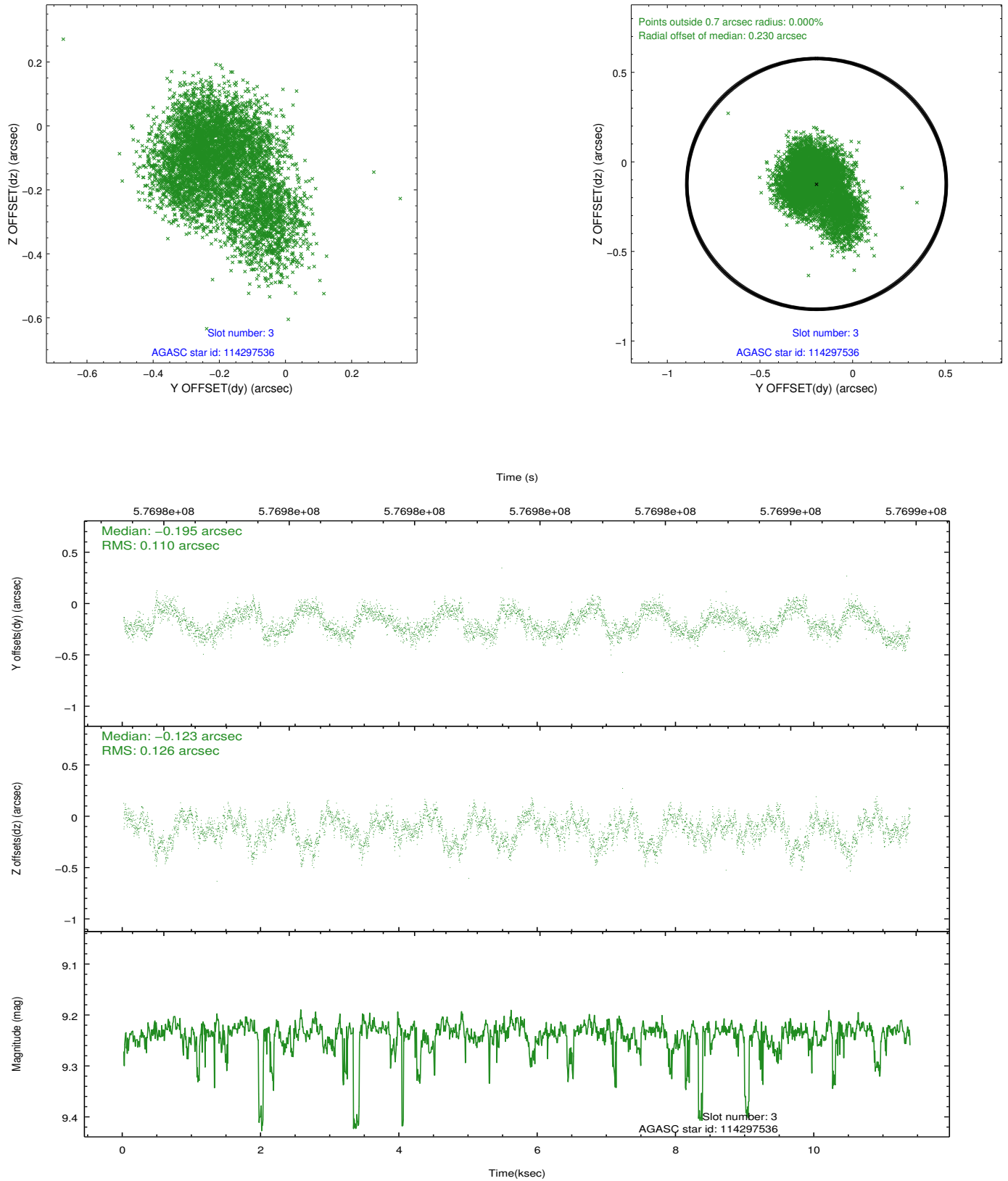


Slot Statistics

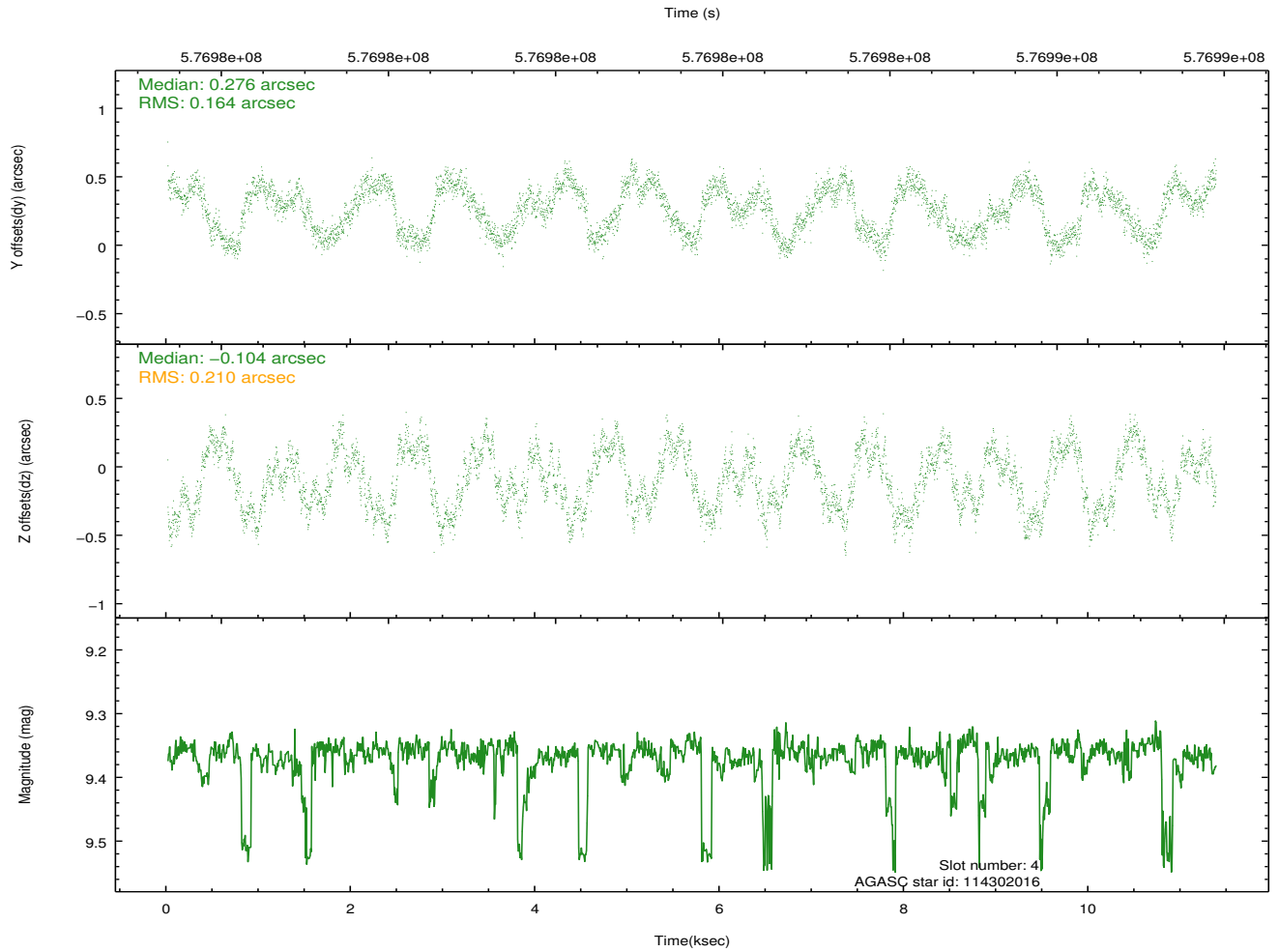
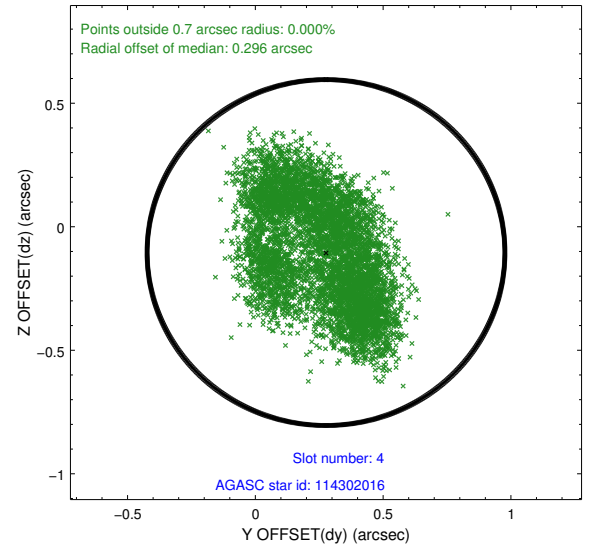
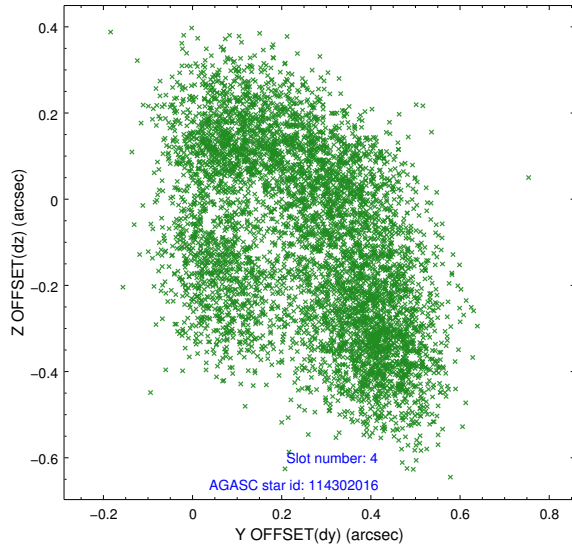
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2774	-0.152	-0.106	0.007	0.013	0.000000	0.000000	-767.21	-1738.52
1	FID		ACIS-S-4	7.22	2774	0.435	0.102	0.006	0.011	0.000000	0.000000	2146.44	169.71
2	FID		ACIS-S-5	7.23	2774	-0.315	0.012	0.007	0.011	0.000000	0.000000	-1819.65	163.80
3	GUIDE	used	114297536	9.24	5546	-0.195	-0.123	0.176	0.291	183.757120	14.264956	334.40	847.69
4	GUIDE	used	114302016	9.36	5537	0.276	-0.104	0.293	0.420	183.083425	14.815890	906.69	-2171.77
5	GUIDE	used	114303096	9.28	5544	-0.019	-0.012	0.158	0.246	183.214020	14.515722	1236.61	-1047.58
6	GUIDE	used	115218424	9.06	5543	-0.066	0.212	0.130	0.204	184.237137	14.820527	-2222.64	343.73
7	GUIDE	used	115218912	8.26	5545	0.017	0.034	0.112	0.178	184.400783	14.442830	-1813.03	1759.56

2.4 Star Slots

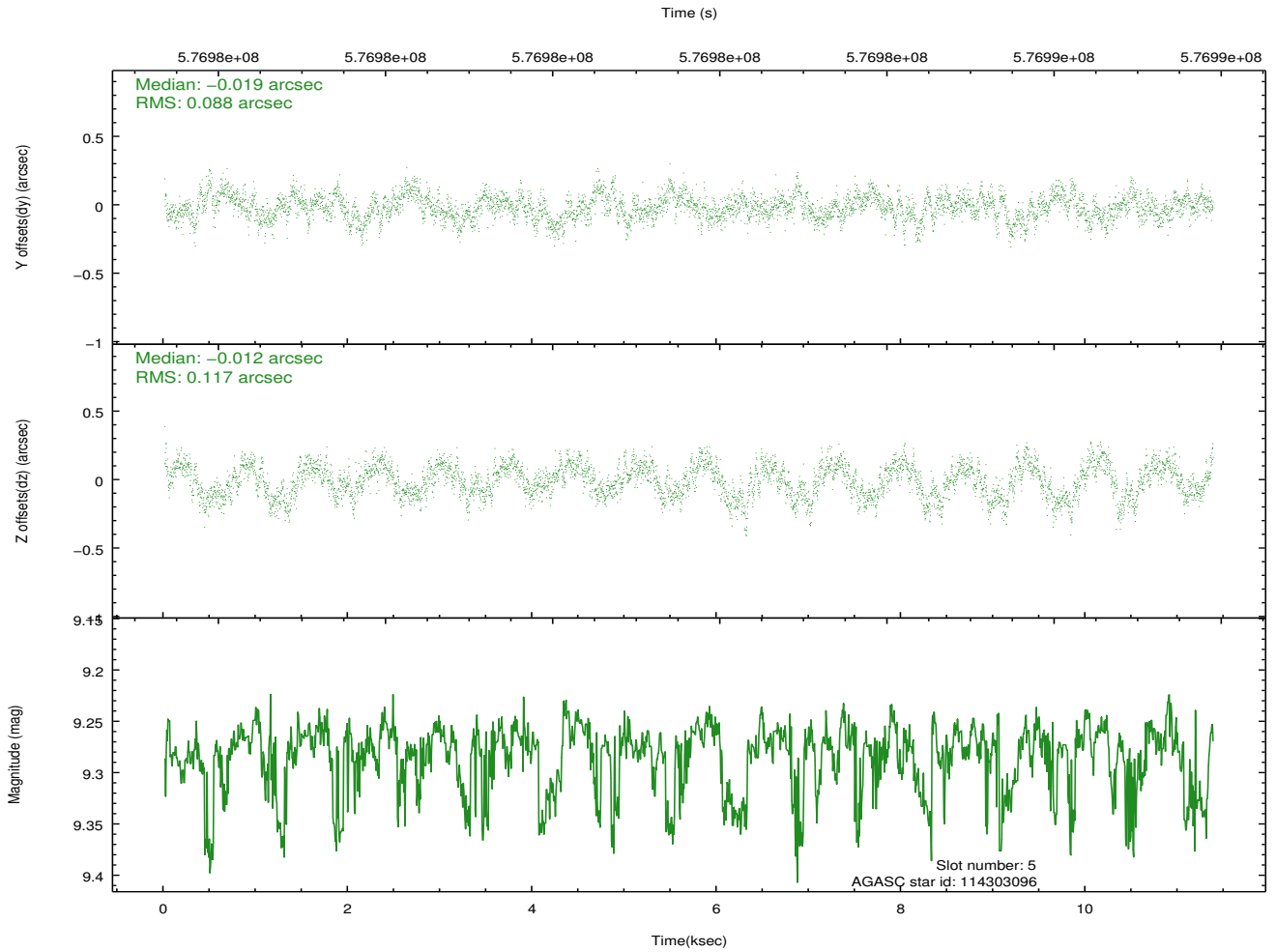
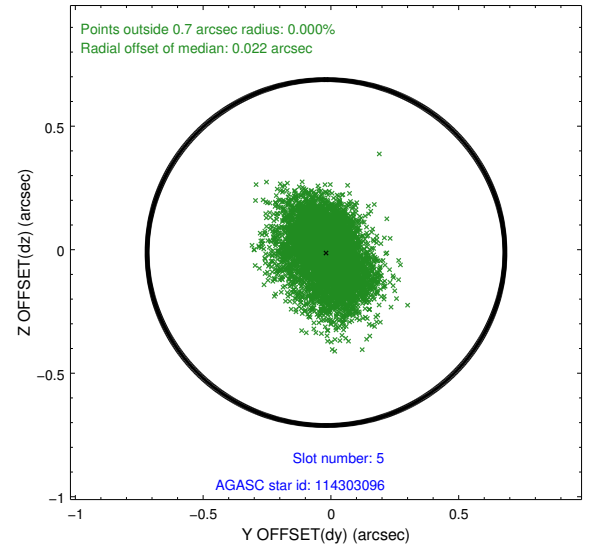
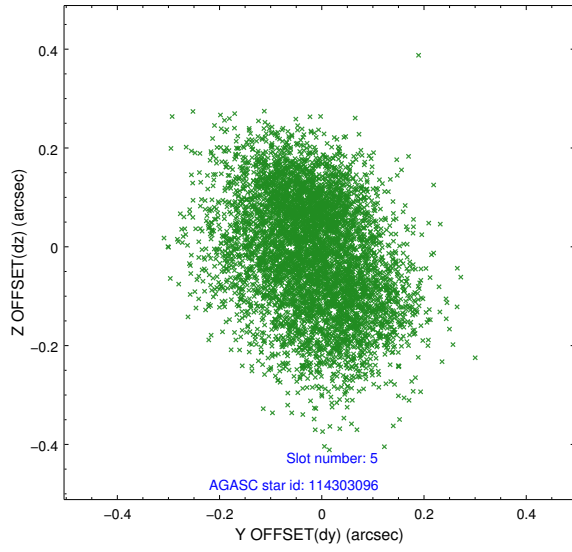
2.4.1 Slot 3



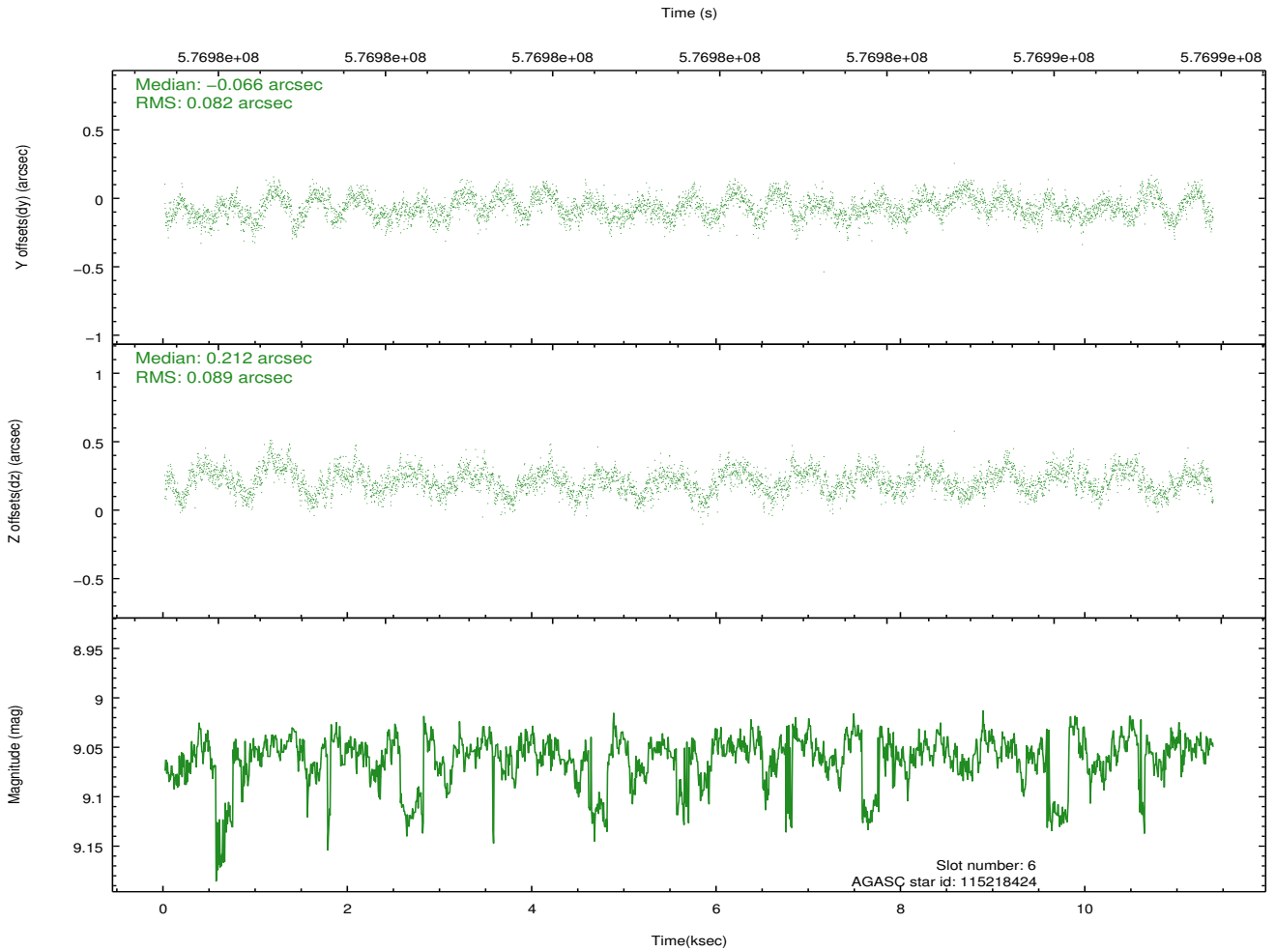
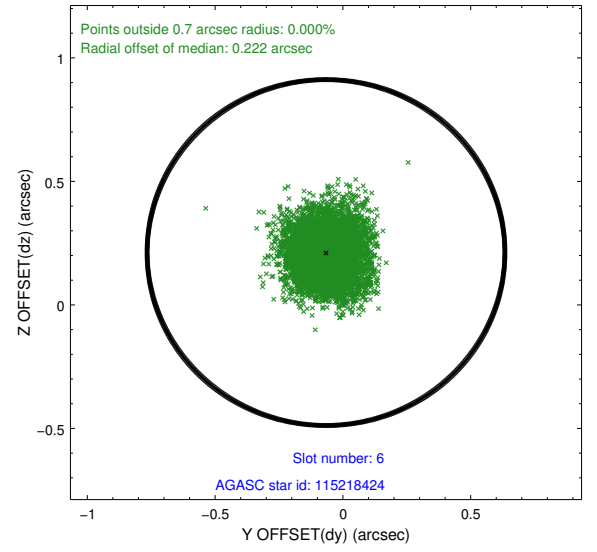
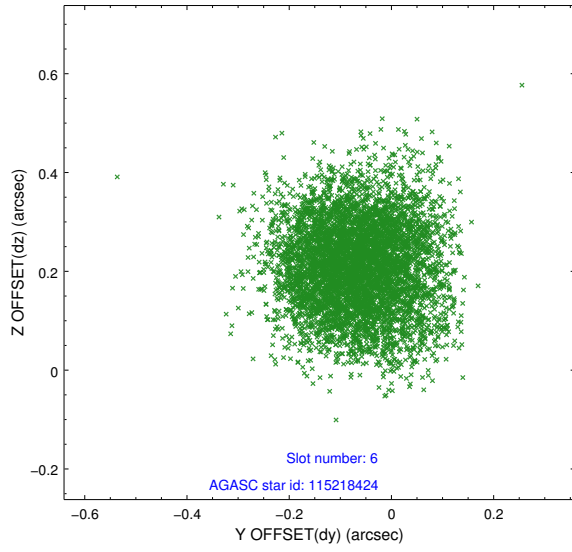
2.4.2 Slot 4



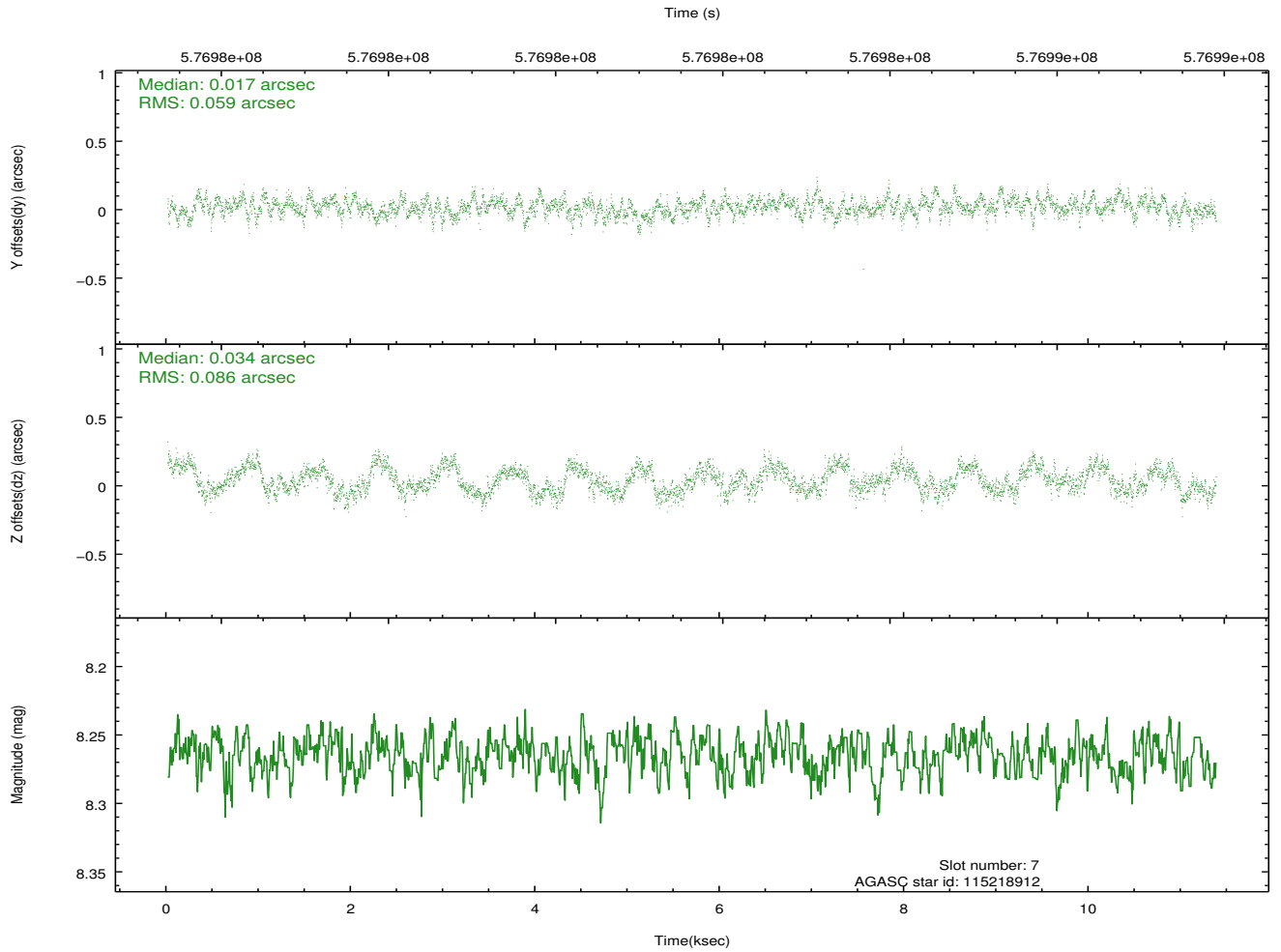
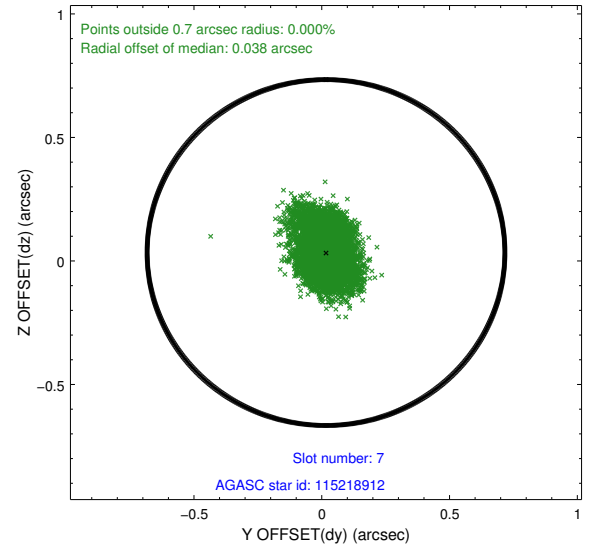
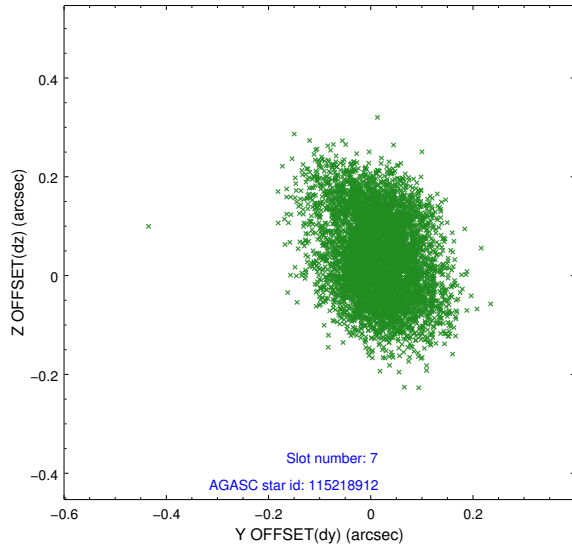
2.4.3 Slot 5



2.4.4 Slot 6

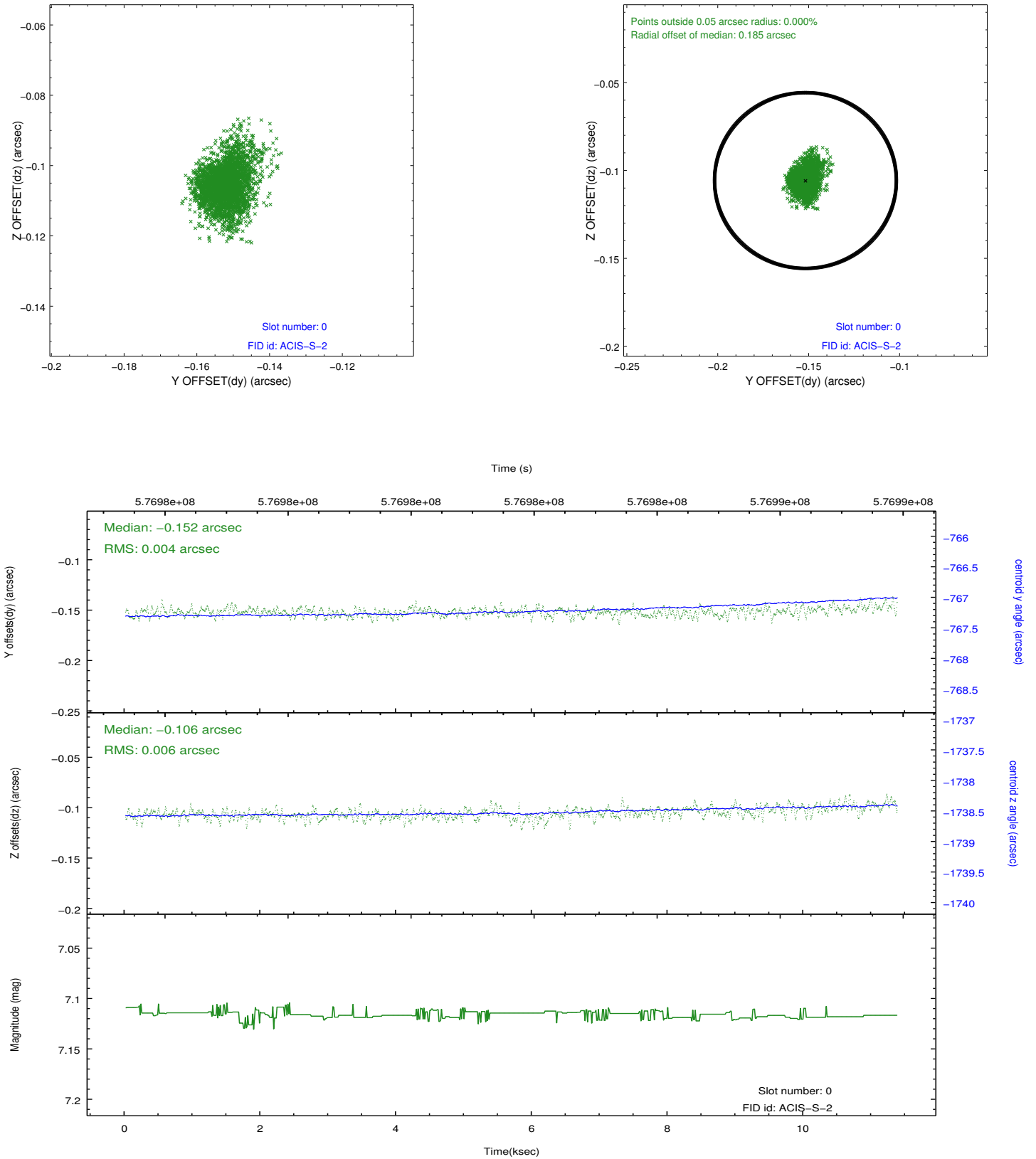


2.4.5 Slot 7

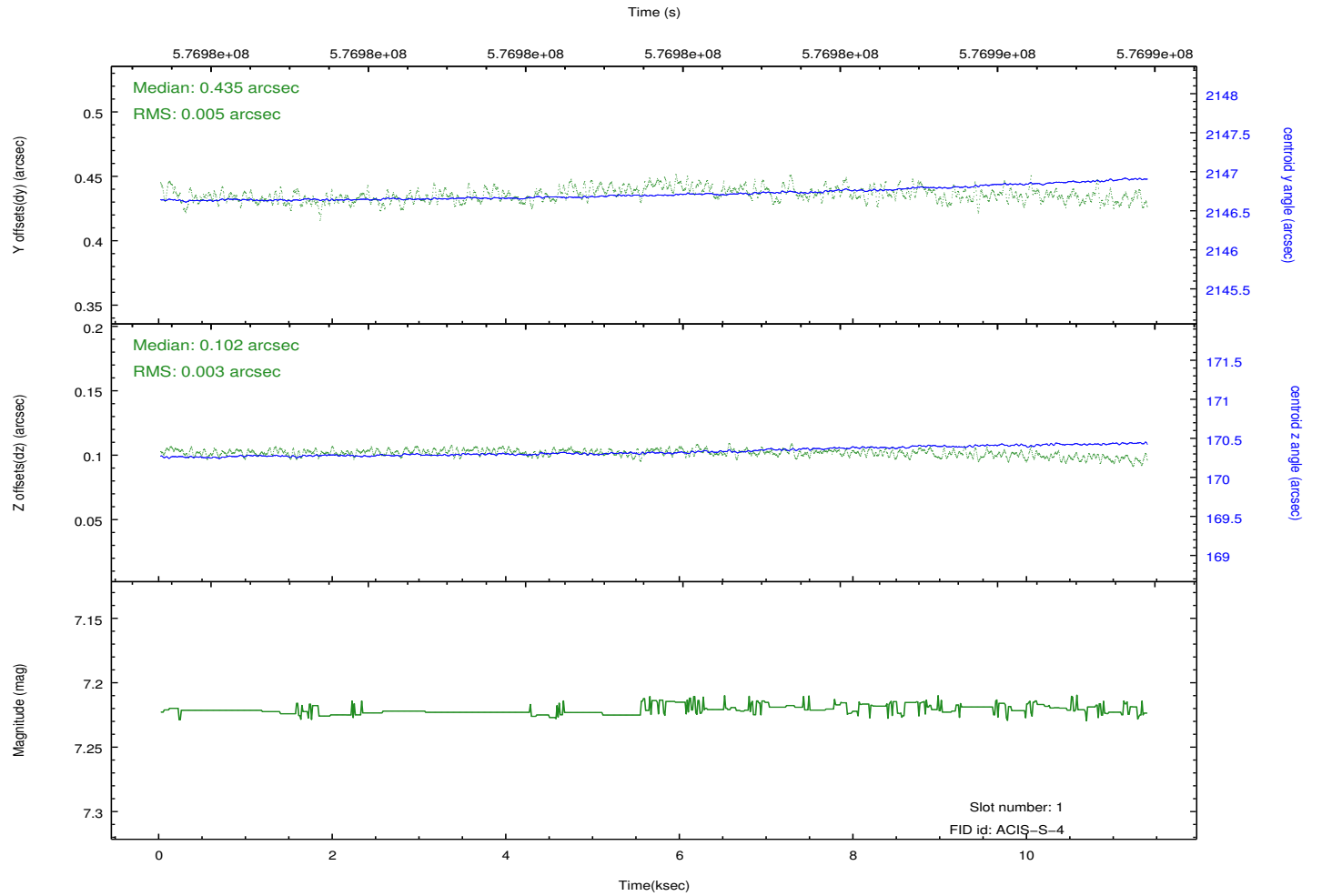
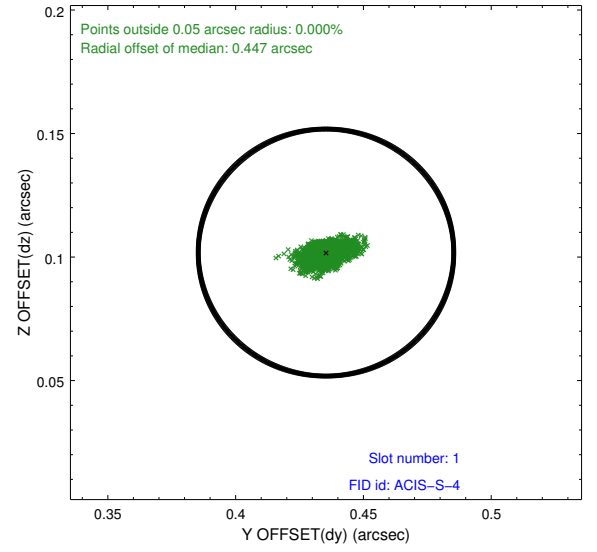
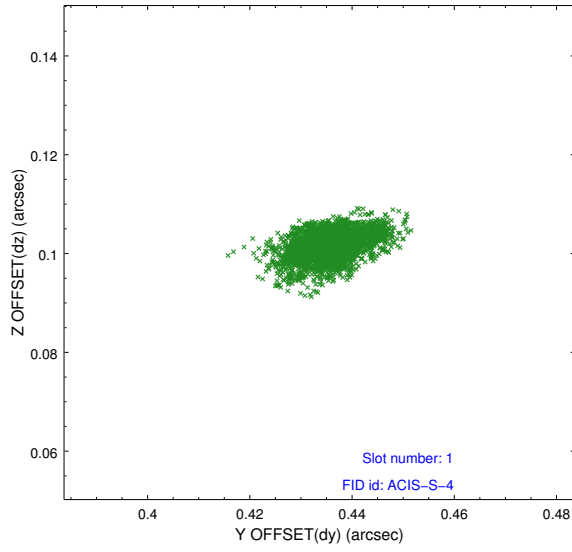


2.5 FID Slots

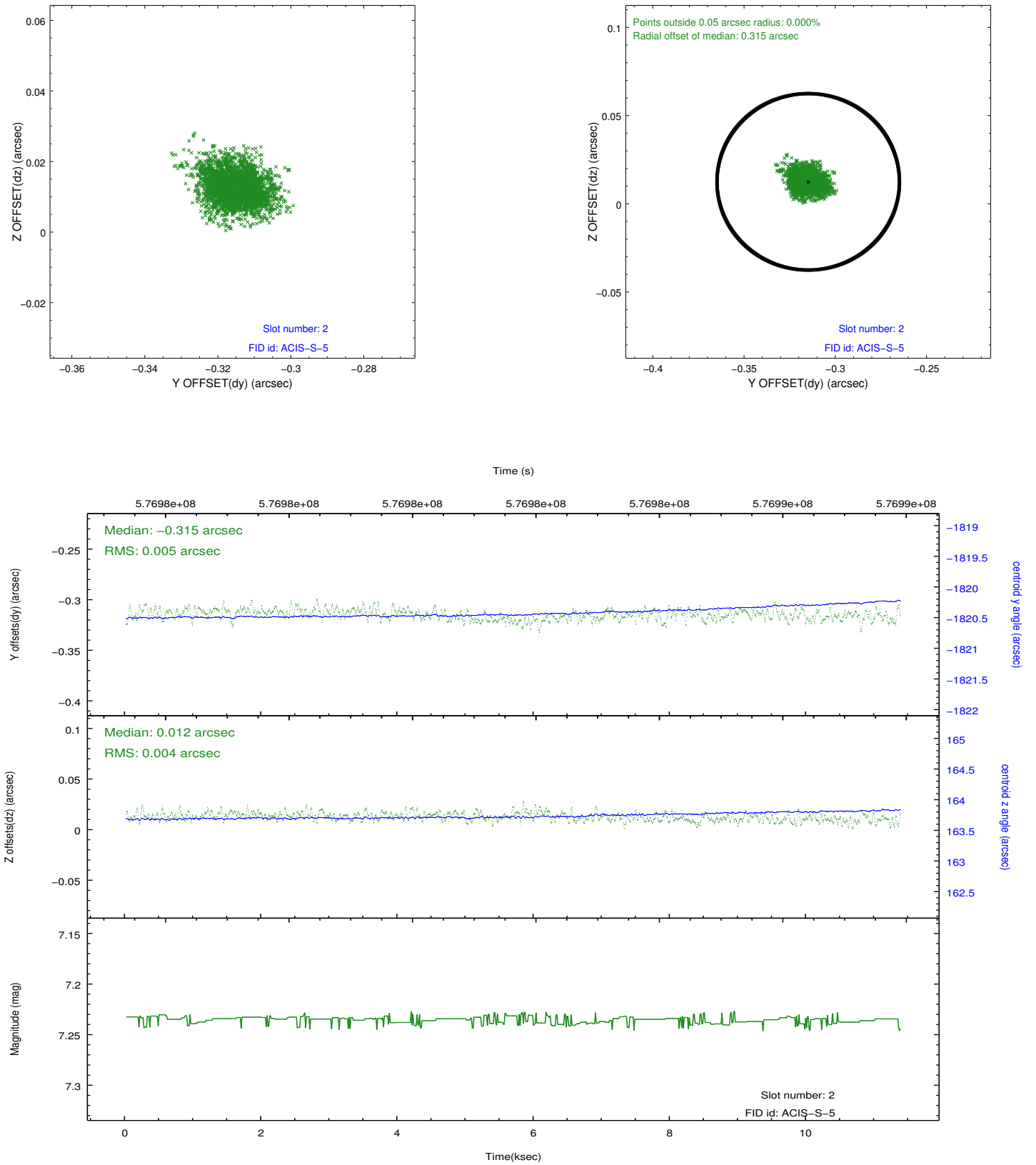
2.5.1 Slot 0



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)	2016.04.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.311446241856

A.2 Comments