

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21142 - L2 Version 1
Chandra X-Ray Center

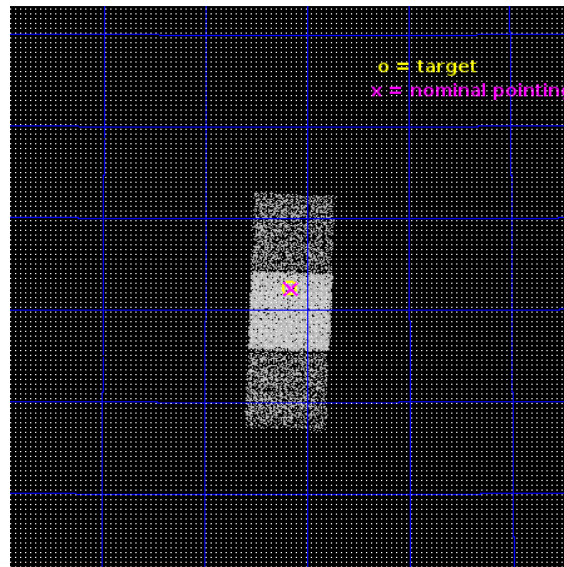
L2 Processing Date : Nov 17 2018

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1 Front

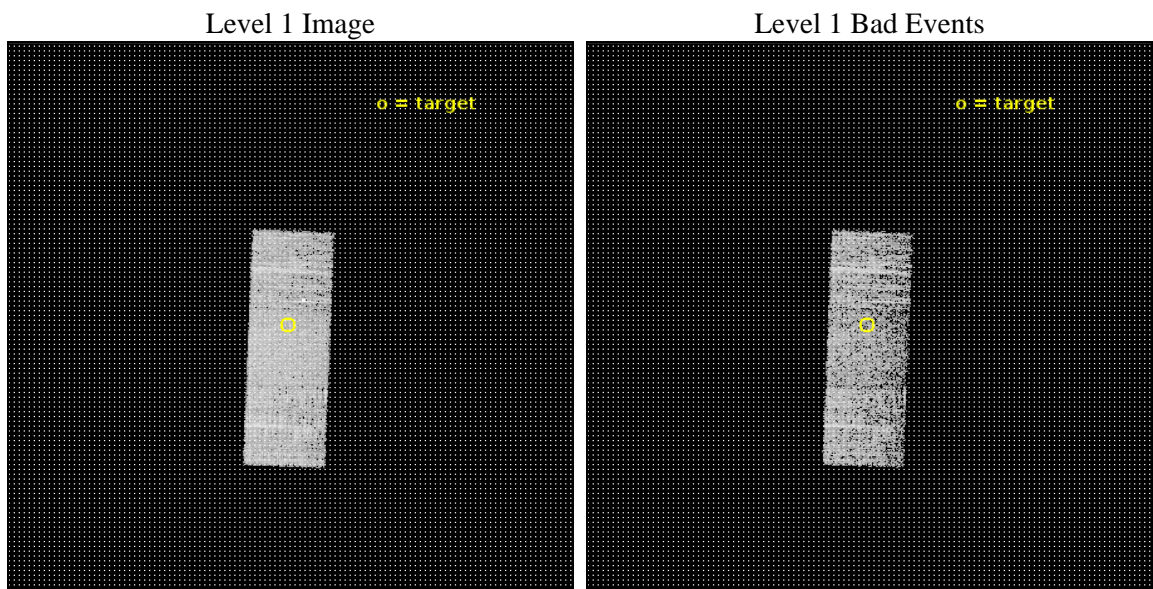
seq_num	703682	Sequence number
obs_id	21142	Observation id
title	A Chandra view of Eddington-limited accretion in DOGs	Proposal tit
observer	Dr. Gordon Garmire	Principal investigator
object	J0756+4432	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	119.041667	Observer's specified target RA [deg]
dec_targ	44.539694	Observer's specified target Dec [deg]
ra_nom	119.03834053035	Nominal RA [deg]
dec_nom	44.539253994231	Nominal Dec [deg]
roll_nom	92.167819502777	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3106.2000240088	Sum of GTIs [s]
livetime	3065.6152339439	Livetime [s]
ontime6	3106.2000240088	Sum of GTIs [s]
ontime7	3106.2000240088	Sum of GTIs [s]
ontime8	3106.2000240088	Sum of GTIs [s]
l2events	17257	Number of level 2 events



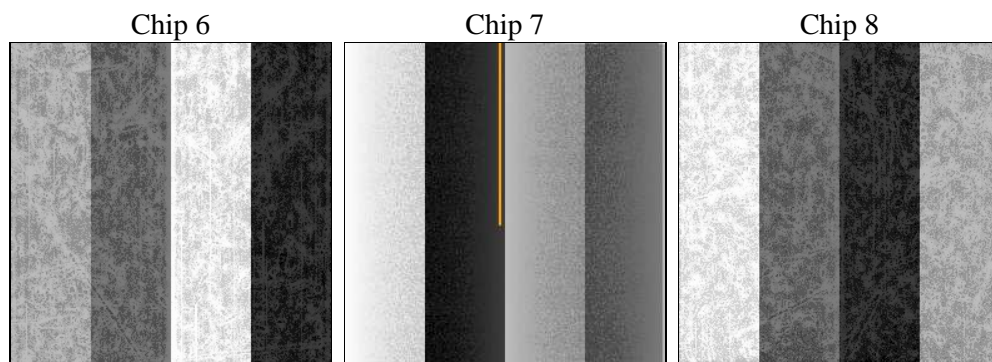
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	3106.2000240088	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime6	3106.2000240088	Sum of GTIs [s]
date	2018-11-17T22:05:26	Date and time of file creation	ontime7	3106.2000240088	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3106.2000240088	Sum of GTIs [s]
			l1events	85104	Number of level 1 events

2.1.4 Events

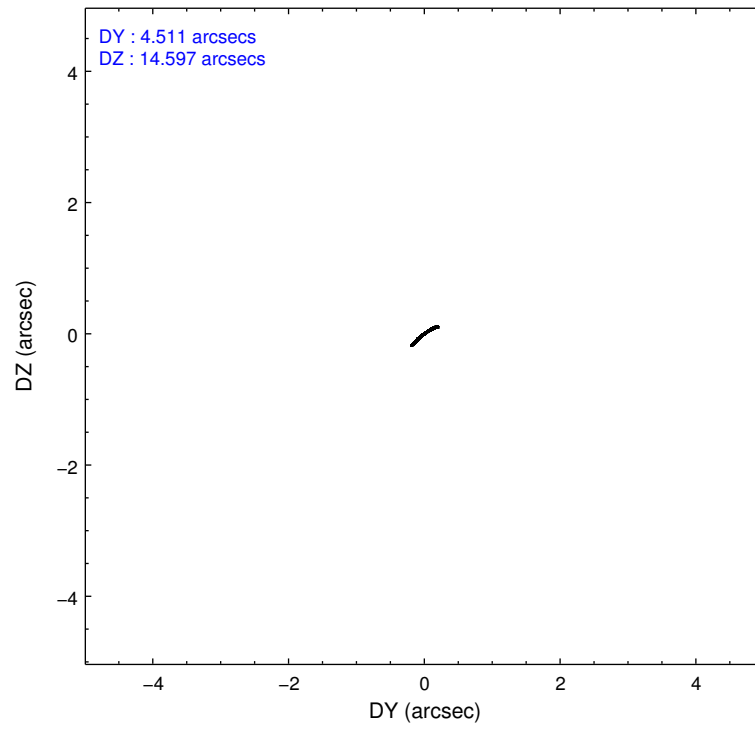
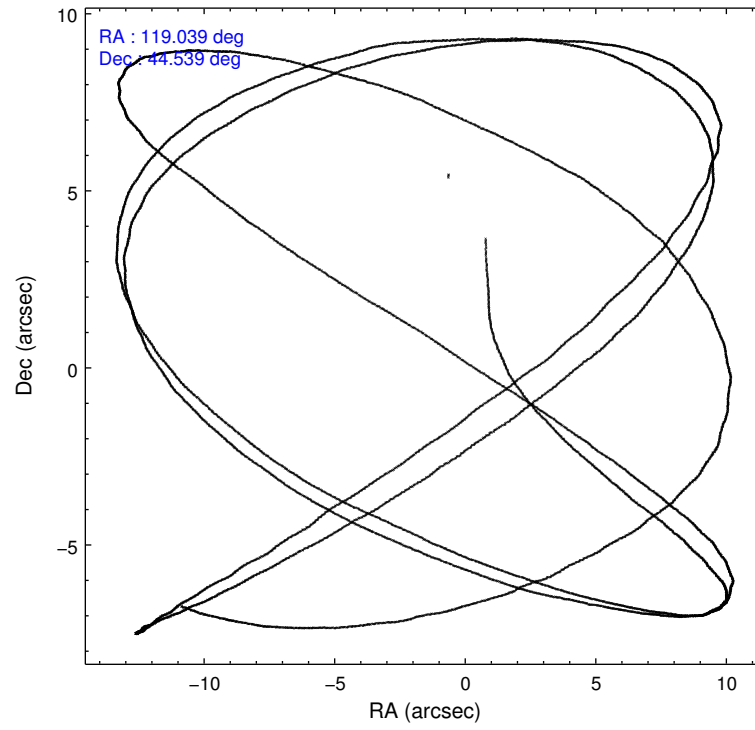
	ccd 6	ccd 7	ccd 8
level 1 events	25159	29796	30149
rejected events	22155	16965	22284
rejected %	88%	56%	73%

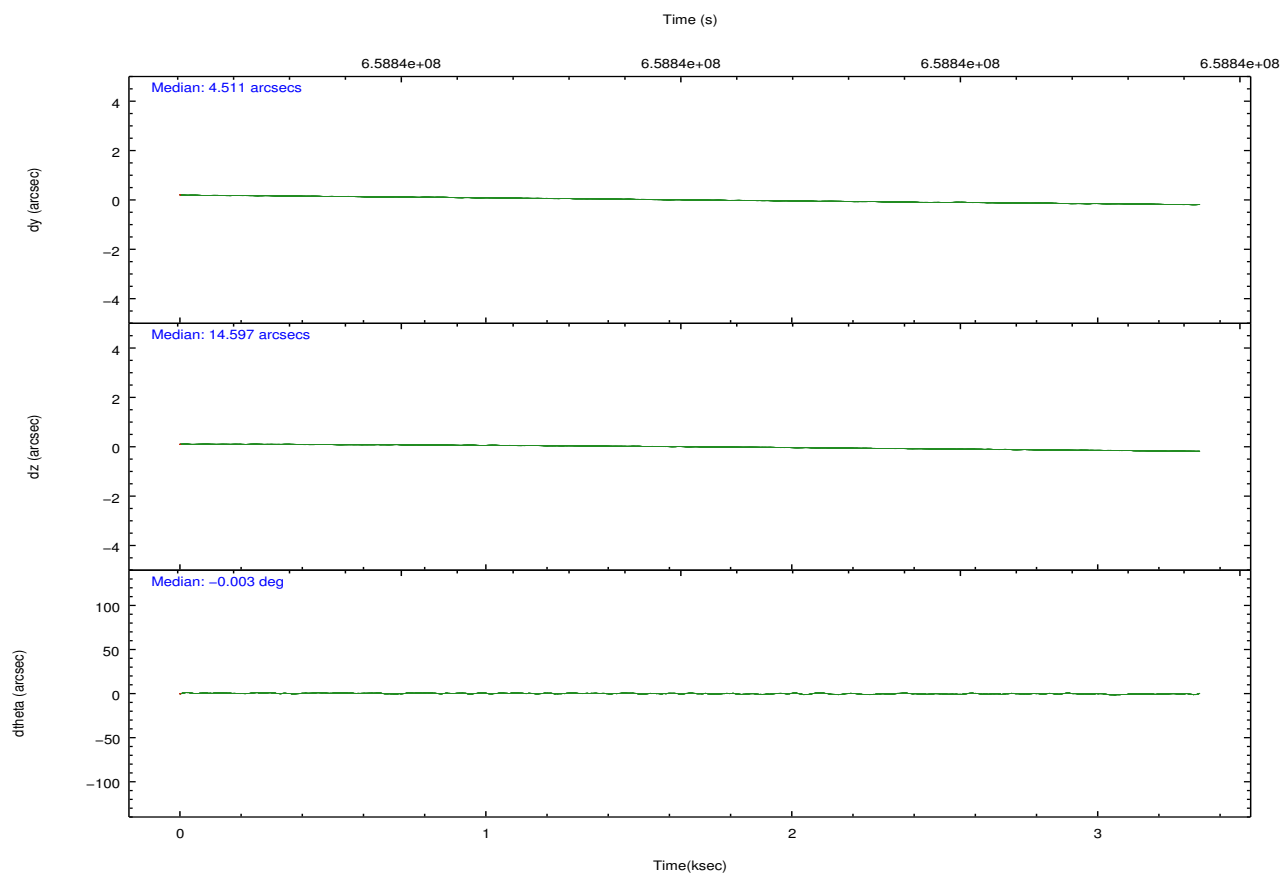
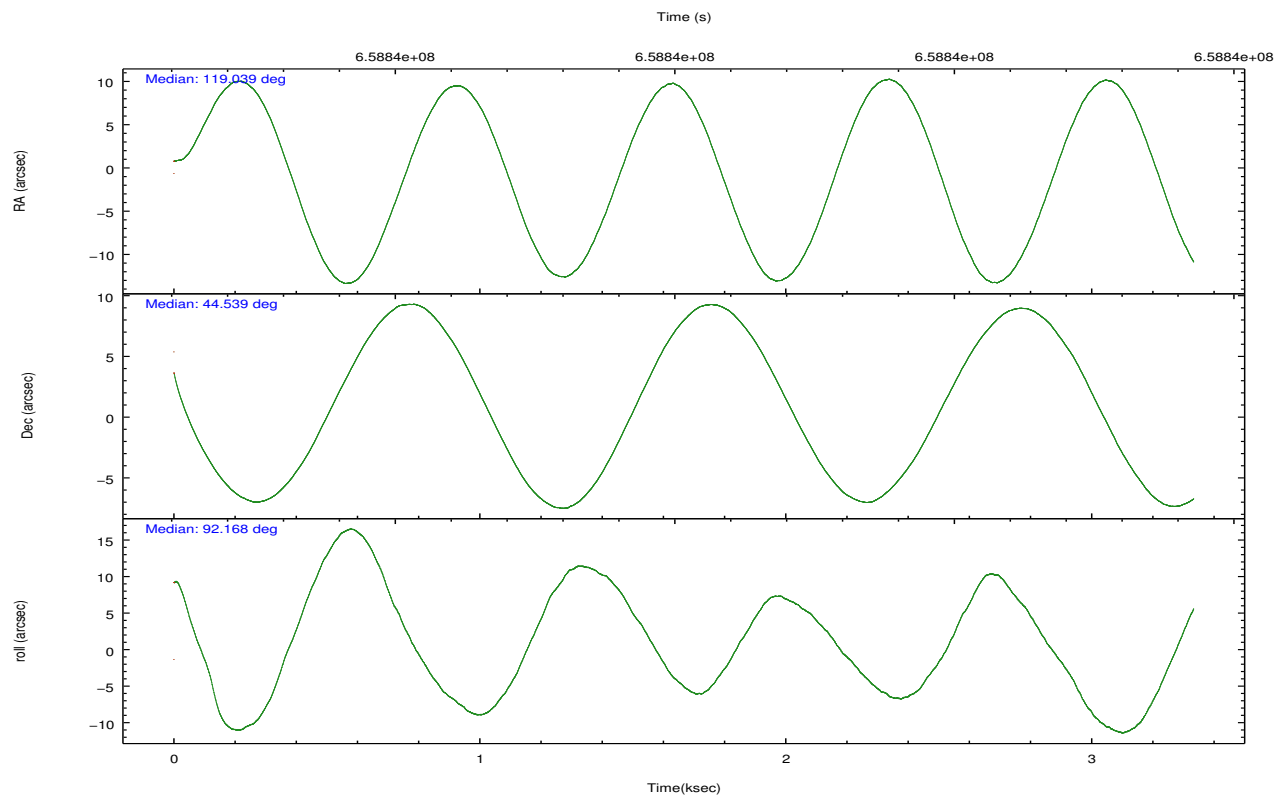
	ccd 6	ccd 7	ccd 8
grade 0 events	788	1032	2043
	3%	3%	6%
grade 1 events	11	45	28
	0%	0%	0%
grade 2 events	1067	2673	1928
	4%	8%	6%
grade 3 events	218	975	787
	0%	3%	2%
grade 4 events	198	1013	762
	0%	3%	2%
grade 5 events	1026	2859	1625
	4%	9%	5%
grade 6 events	735	7164	2348
	2%	24%	7%
grade 7 events	21116	14035	20628
	83%	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	119.059131	119.0383405303459	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.516368	44.53925399423107	Alternating exposures requested	N	N
[deg] Pointing Roll	91.996593	92.16781950277662	[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)	658838694.184000	658837633.87015			
Observation start date	2018-11-17T10:43:45	2018-11-17T10:27:13			
[s] Observation end time (MET)	658841694.184000	658842615.37045			
Observation end date	2018-11-17T11:33:45	2018-11-17T11:50:15			
Read mode	TIMED	TIMED			

2.3 Aspect



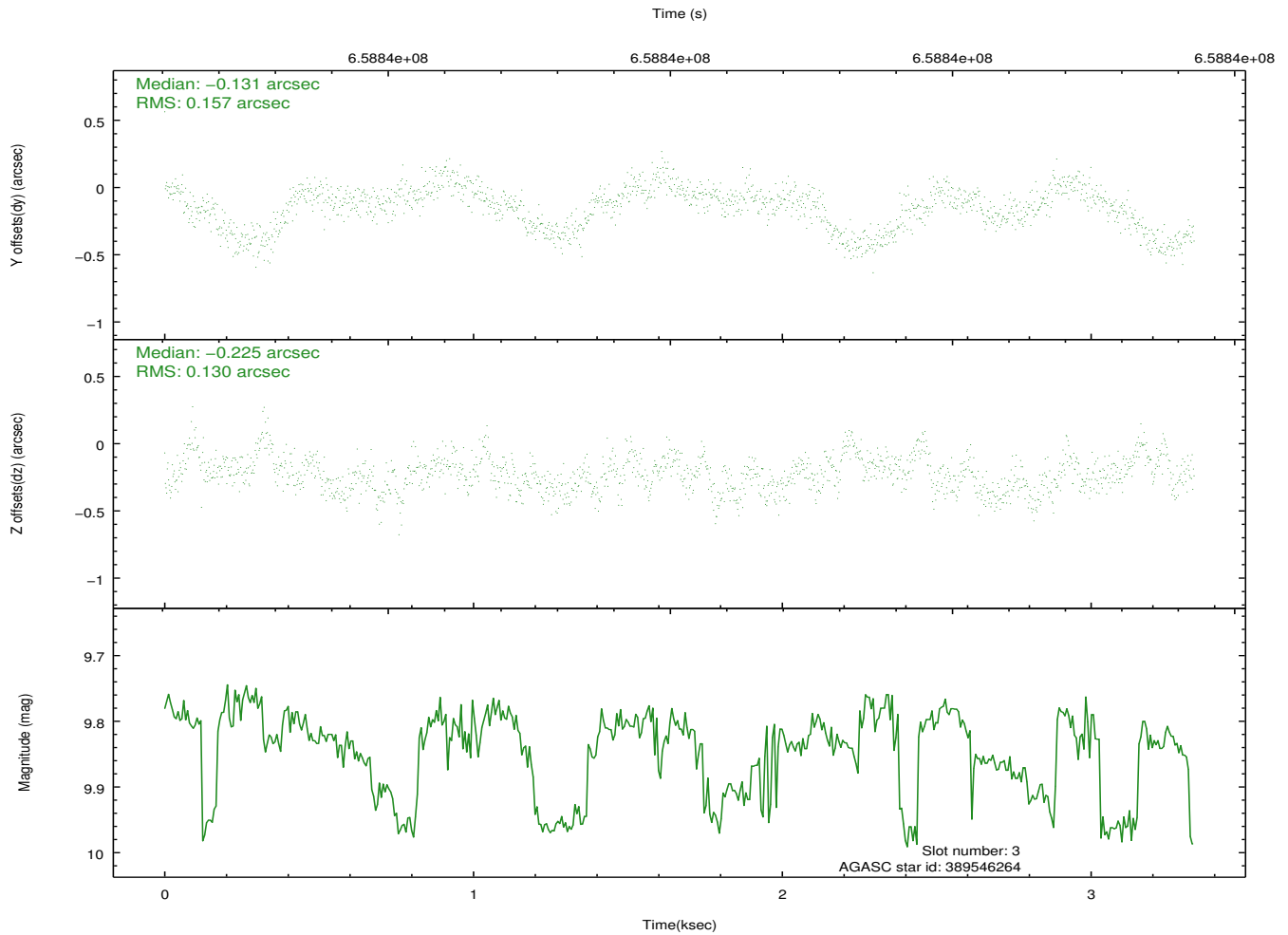
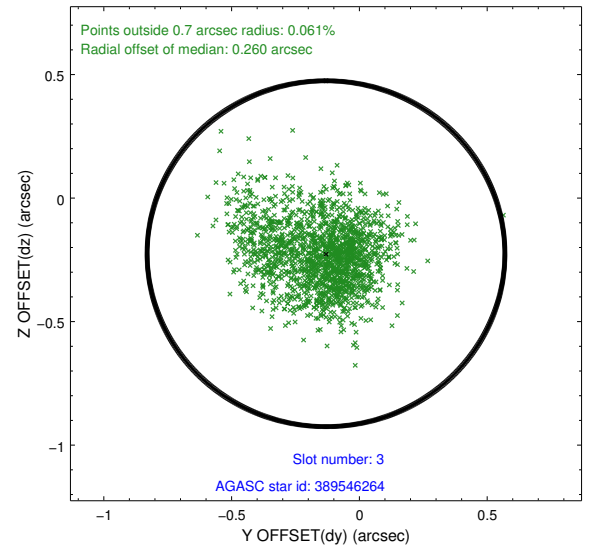
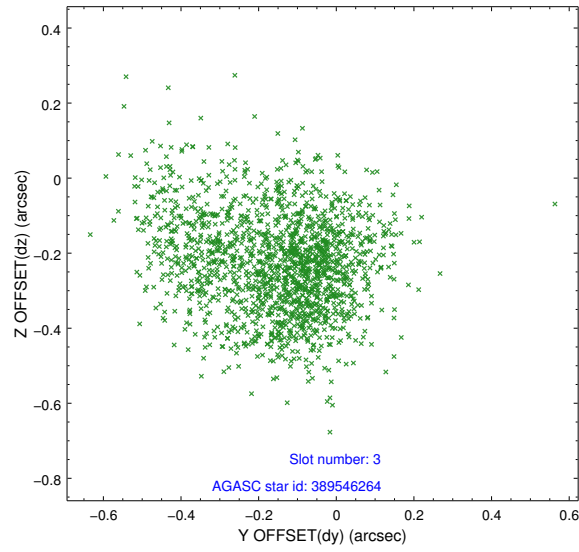


Slot Statistics

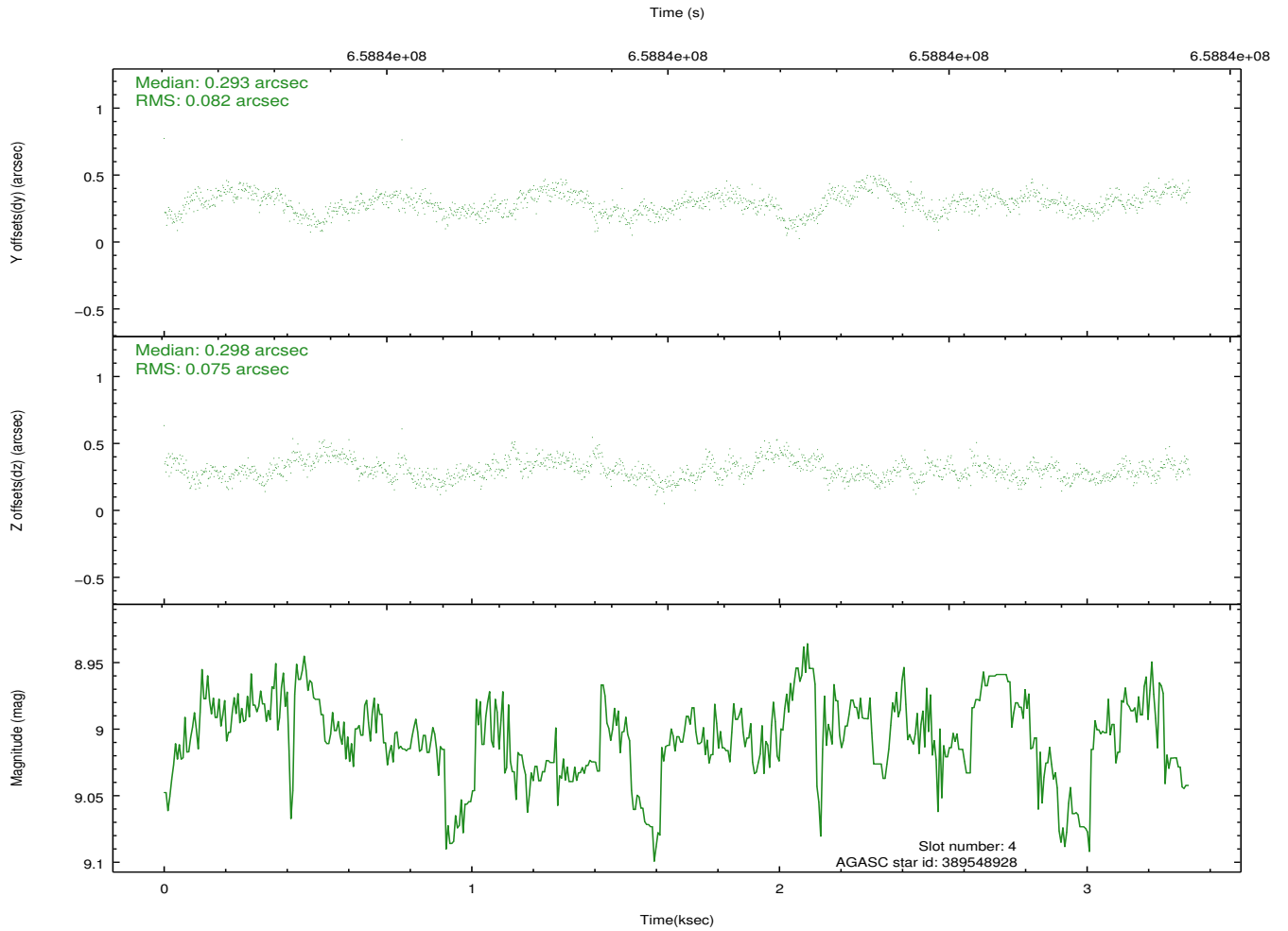
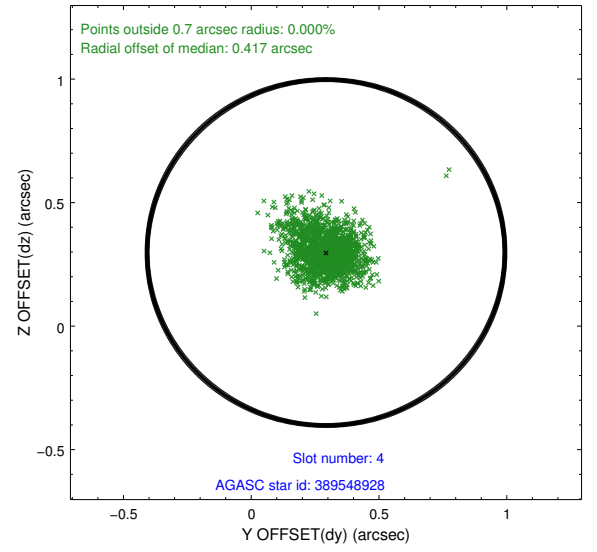
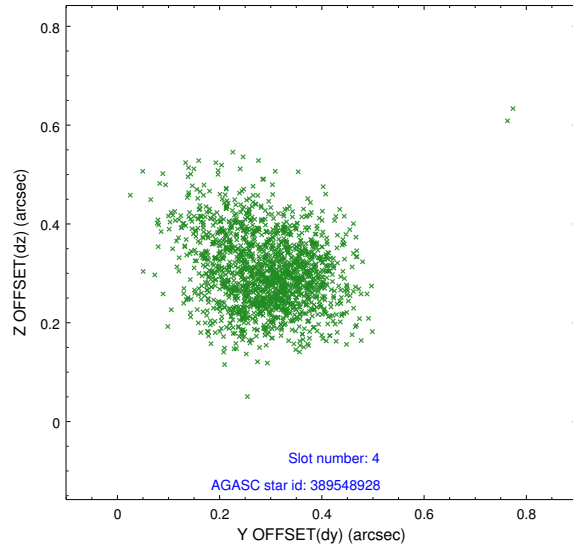
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	814	1.000	-0.378	-0.239	0.006	0.012	0.000000	0.000000	-757.62	-1736
1	FID		ACIS-S-4	7.22	814	1.000	0.405	0.232	0.007	0.011	0.000000	0.000000	2155.63	170
2	FID		ACIS-S-6	7.37	814	1.000	-0.055	0.014	0.007	0.012	0.000000	0.000000	407.20	810
3	GUIDE	used	389546264	9.83	1627	1.000	-0.131	-0.225	0.216	0.358	118.715053	44.751925	881.60	848
4	GUIDE	used	389548928	9.01	1627	1.000	0.293	0.298	0.114	0.191	119.090413	44.175666	-1226.95	-36
5	GUIDE	used	389557064	6.23	1627	1.000	0.354	0.402	0.117	0.167	119.569014	43.977376	-1980.85	-1252
6	GUIDE	used	446585760	9.46	1624	1.000	-0.583	-0.305	0.129	0.218	118.186015	45.121840	2266.14	2139
7	GUIDE	used	389548136	8.57	1626	1.000	0.091	-0.177	0.113	0.188	118.703354	44.016972	-1760.30	984

2.4 Star Slots

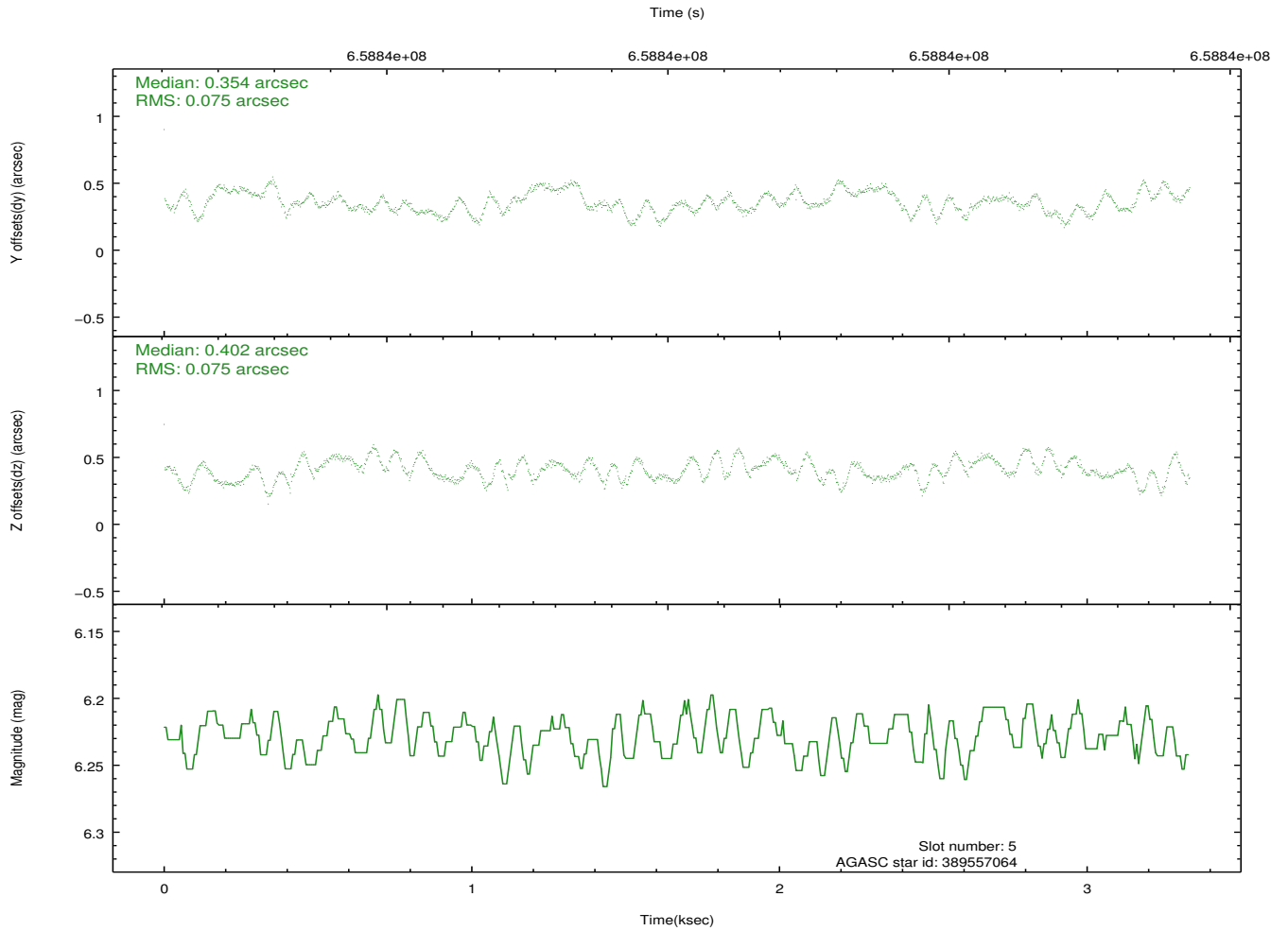
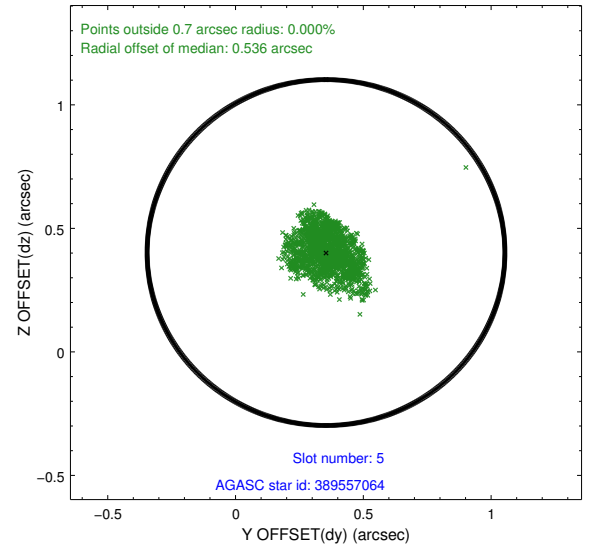
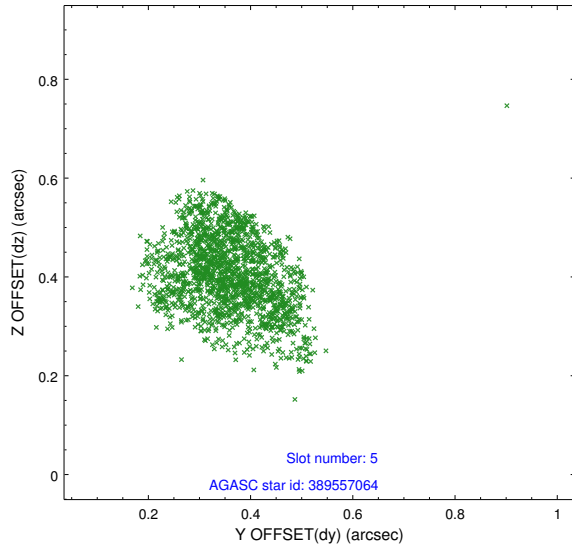
2.4.1 Slot 3



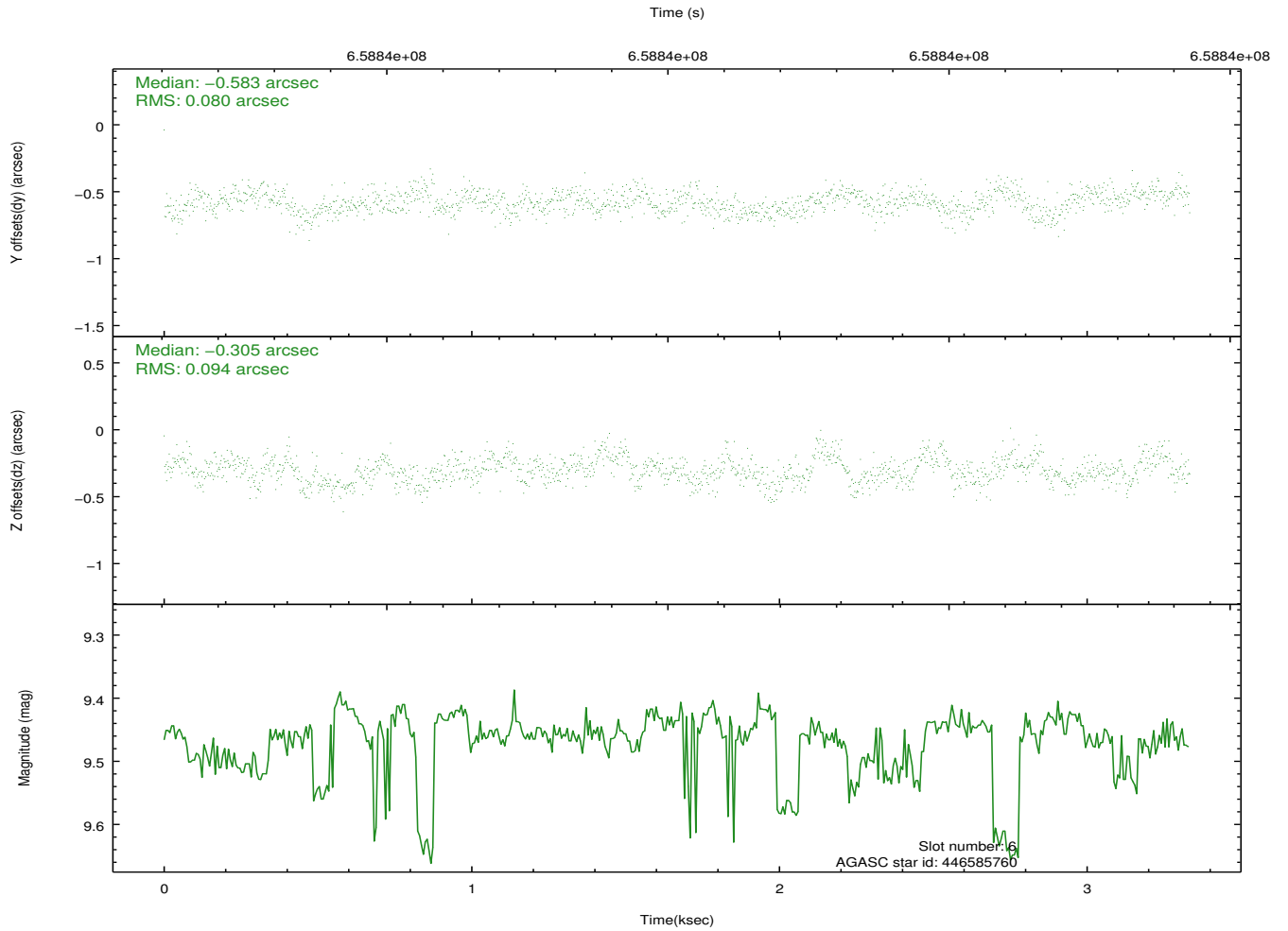
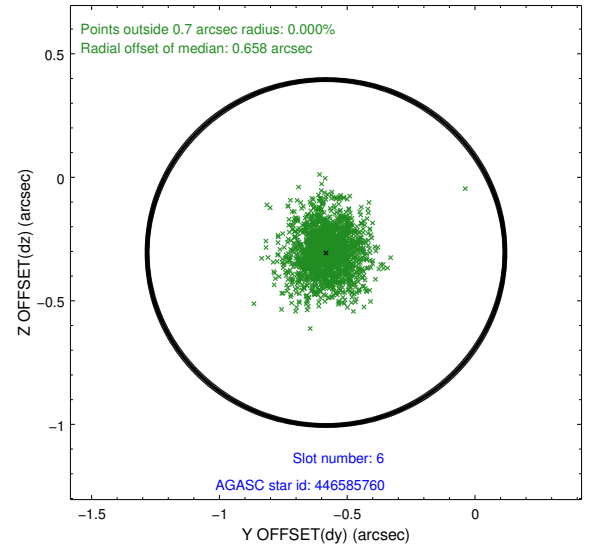
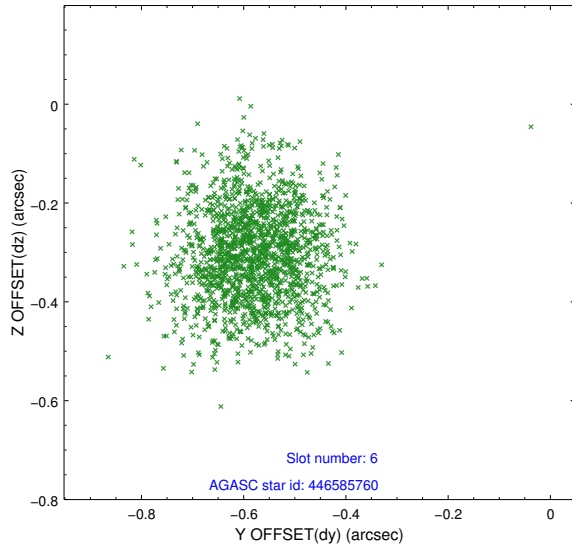
2.4.2 Slot 4



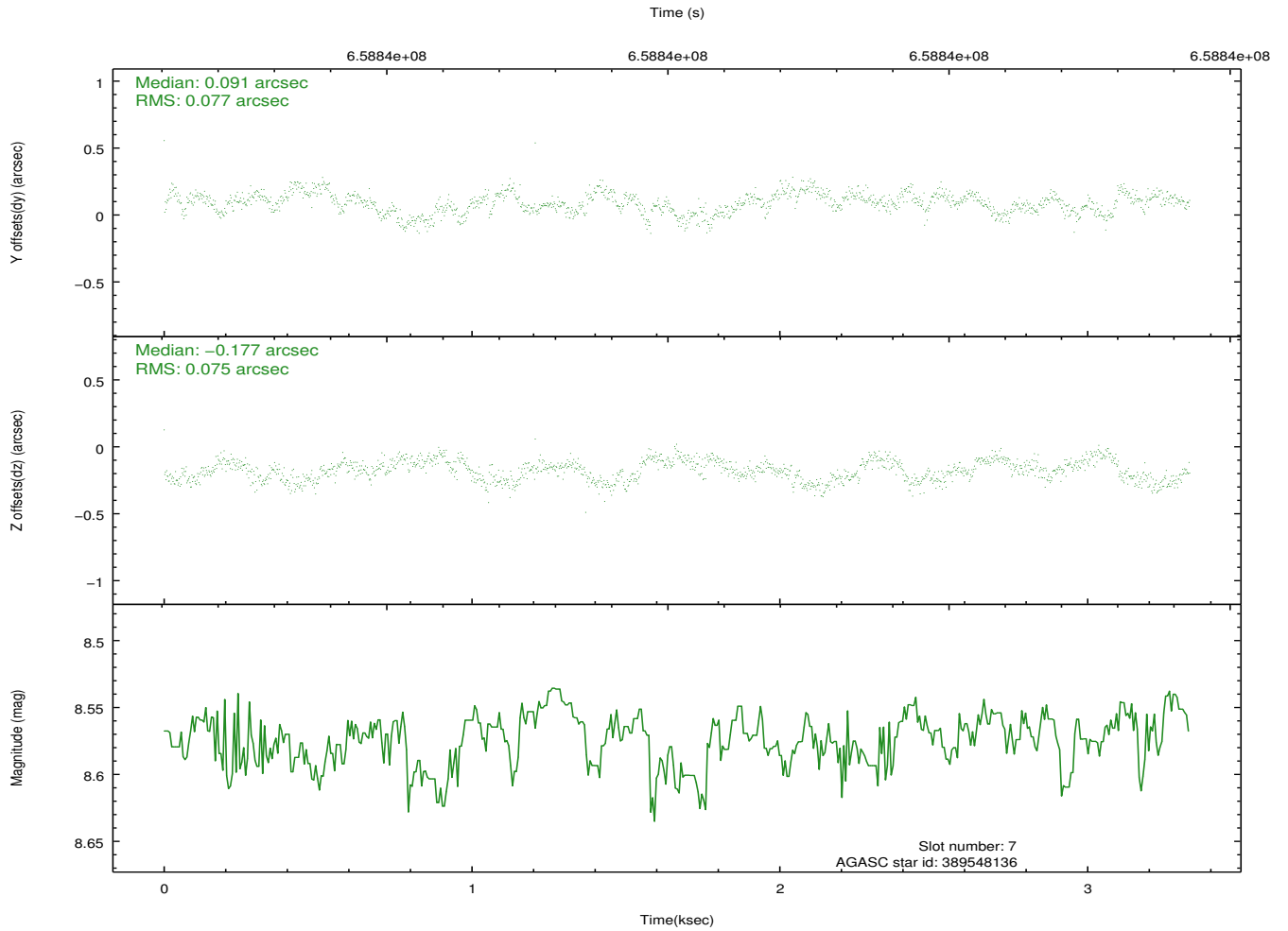
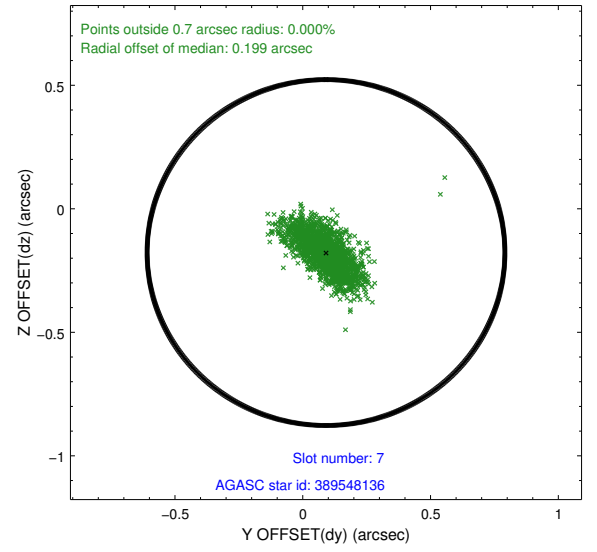
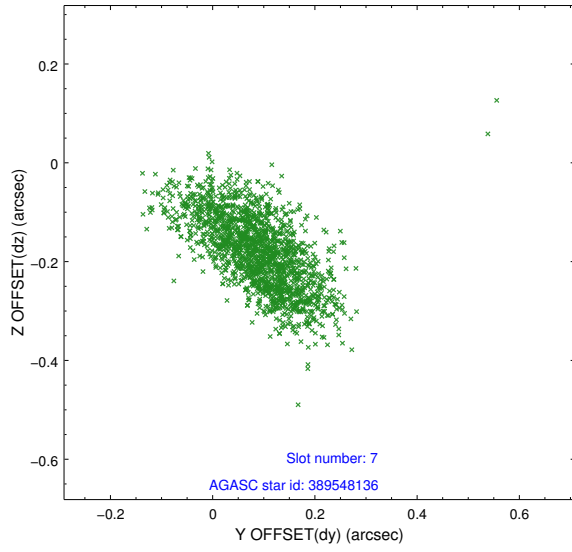
2.4.3 Slot 5



2.4.4 Slot 6

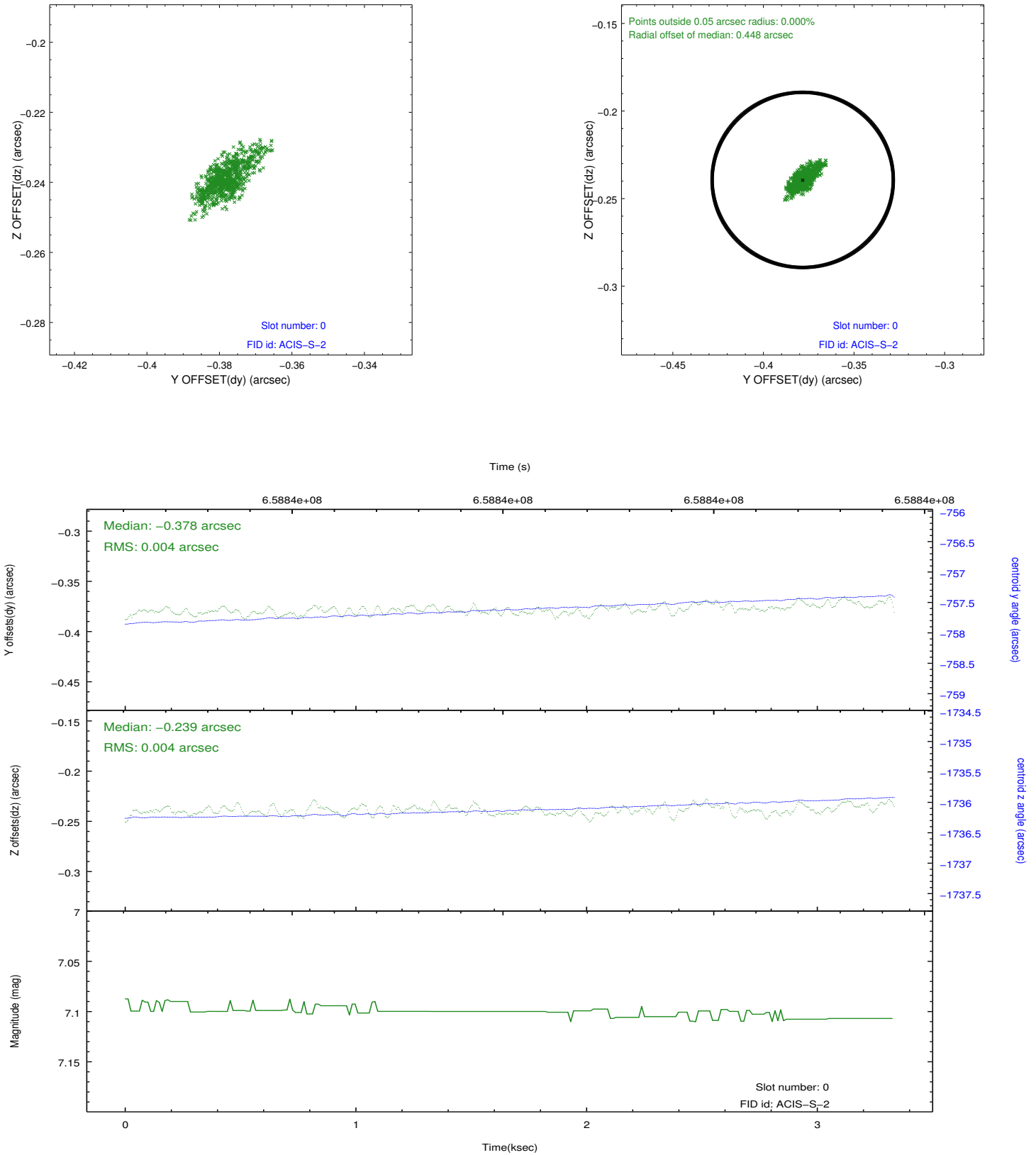


2.4.5 Slot 7

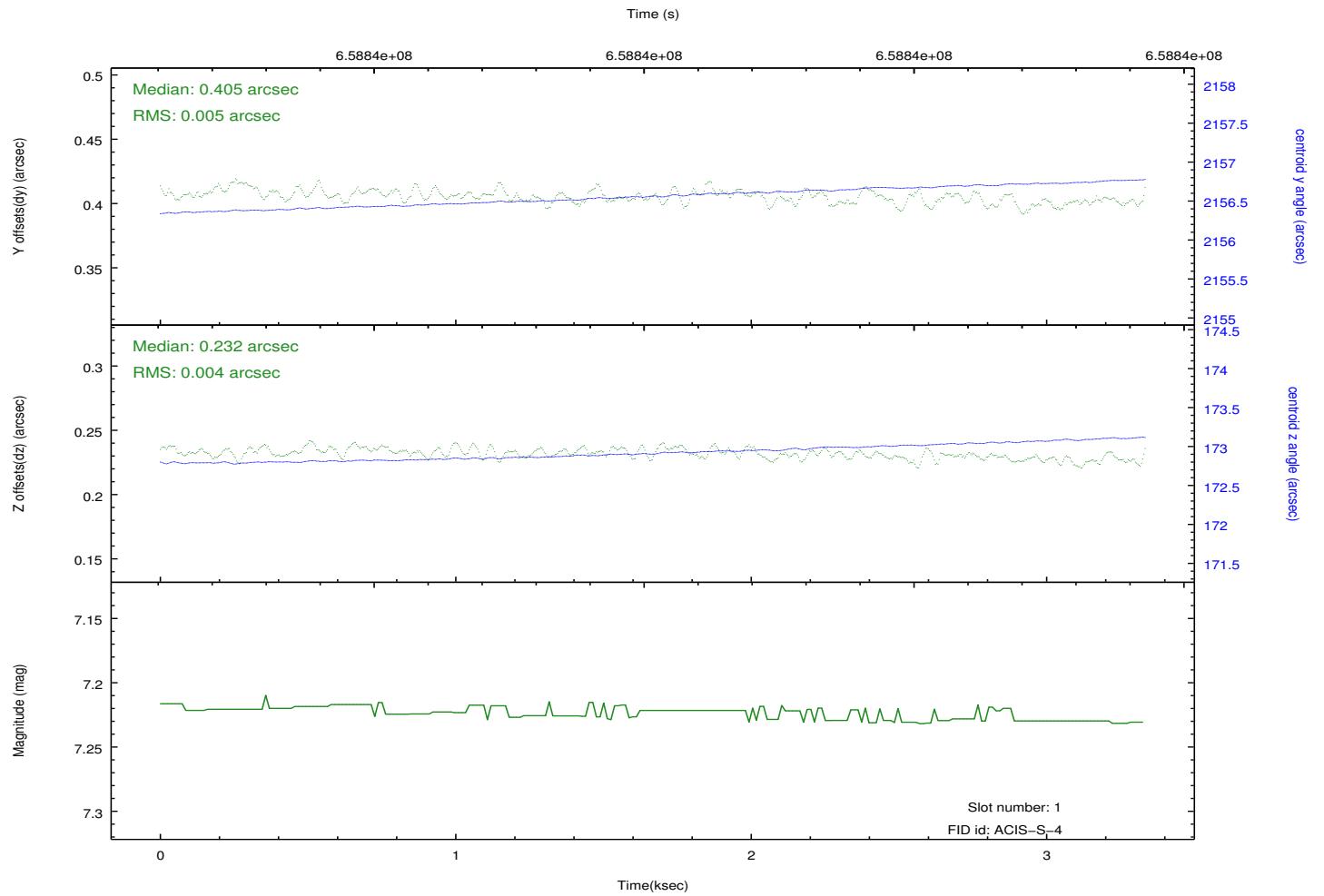
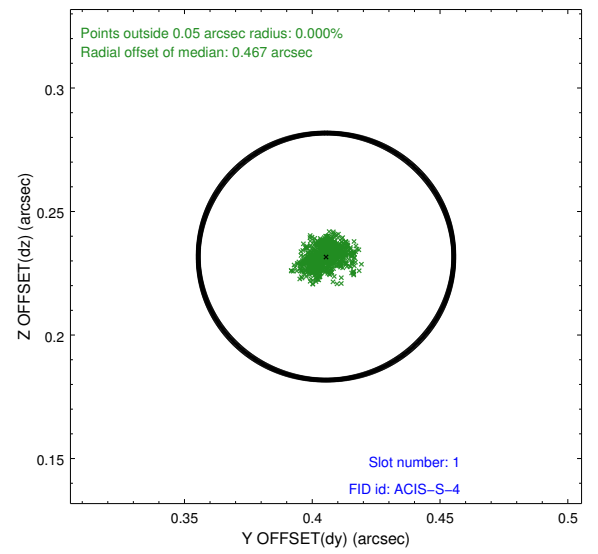
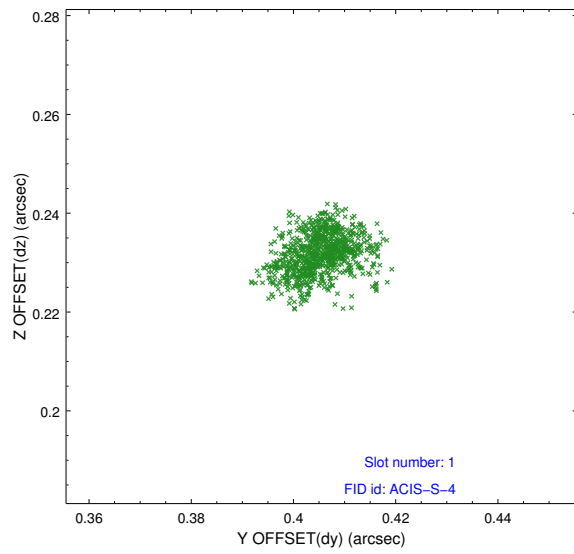


2.5 FID Slots

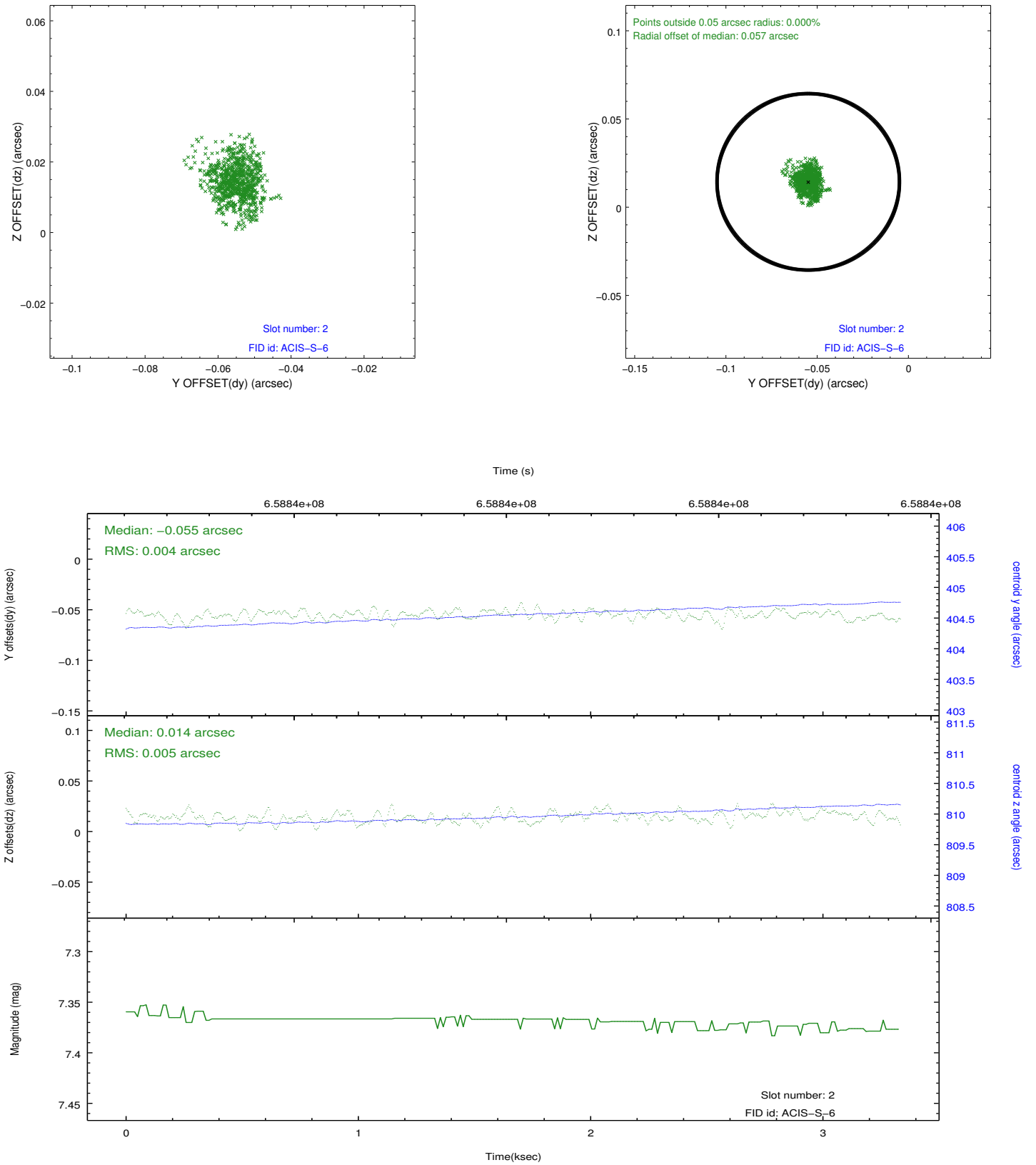
2.5.1 Slot 0



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)	2018.11.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1062000240088

A.2 Comments