

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19525 - L2 Version 1
Chandra X-Ray Center

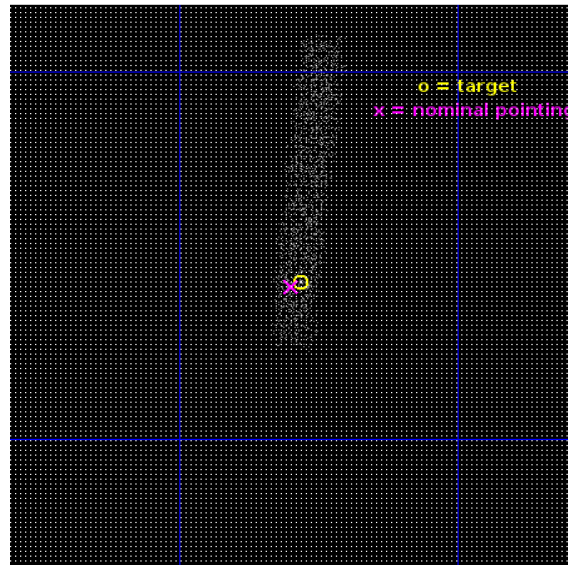
L2 Processing Date : Mar 26 2017

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1 Front

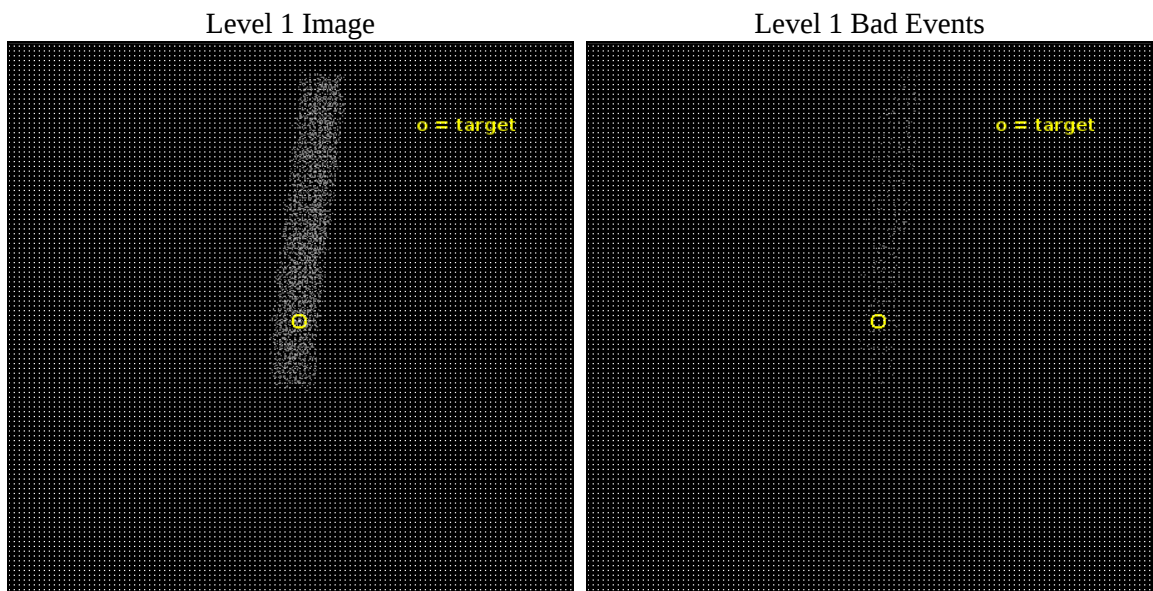
seq_num	703373	Sequence number
obs_id	19525	Observation id
title	Surveying the X-Ray Properties of Candidate Subparsec Scale SMBH Binaries	Proposal title
observer	Daniel Stern	Principal investigator
object	2MASS J041146+132416	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	62.945417	Observer's specified target RA [deg]
dec_targ	13.404444	Observer's specified target Dec [deg]
ra_nom	62.949452457269	Nominal RA [deg]
dec_nom	13.402395580915	Nominal Dec [deg]
roll_nom	275.96526616738	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2968.3998229504	Sum of GTIs [s]
livetime	2692.1819544262	Livetime [s]
ontime7	2968.3998229504	Sum of GTIs [s]
l2events	1977	Number of level 2 events



2 OBI

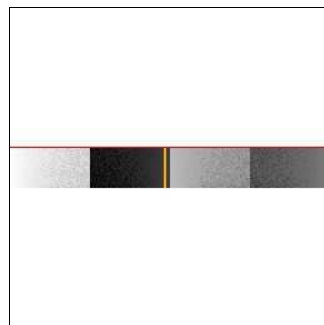
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2900.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	2968.3998229504	Sum of GTIs [s]
caldbver	4.7.3	 	ontime7	2968.3998229504	Sum of GTIs [s]
date	2017-03-26T23:57:15	Date and time of file creation	l1events	4105	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

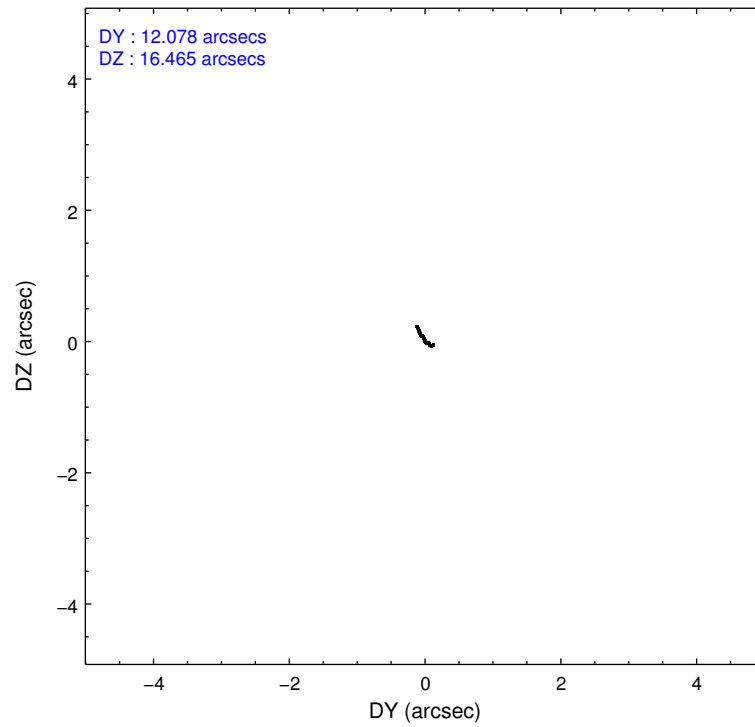
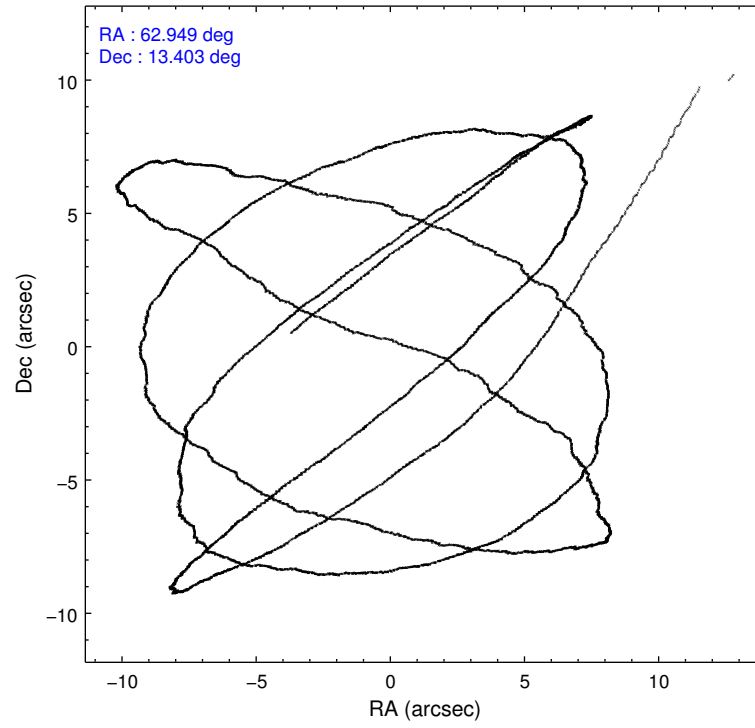
	ccd 7
level 1 events	4105
rejected events	2037
rejected %	49%

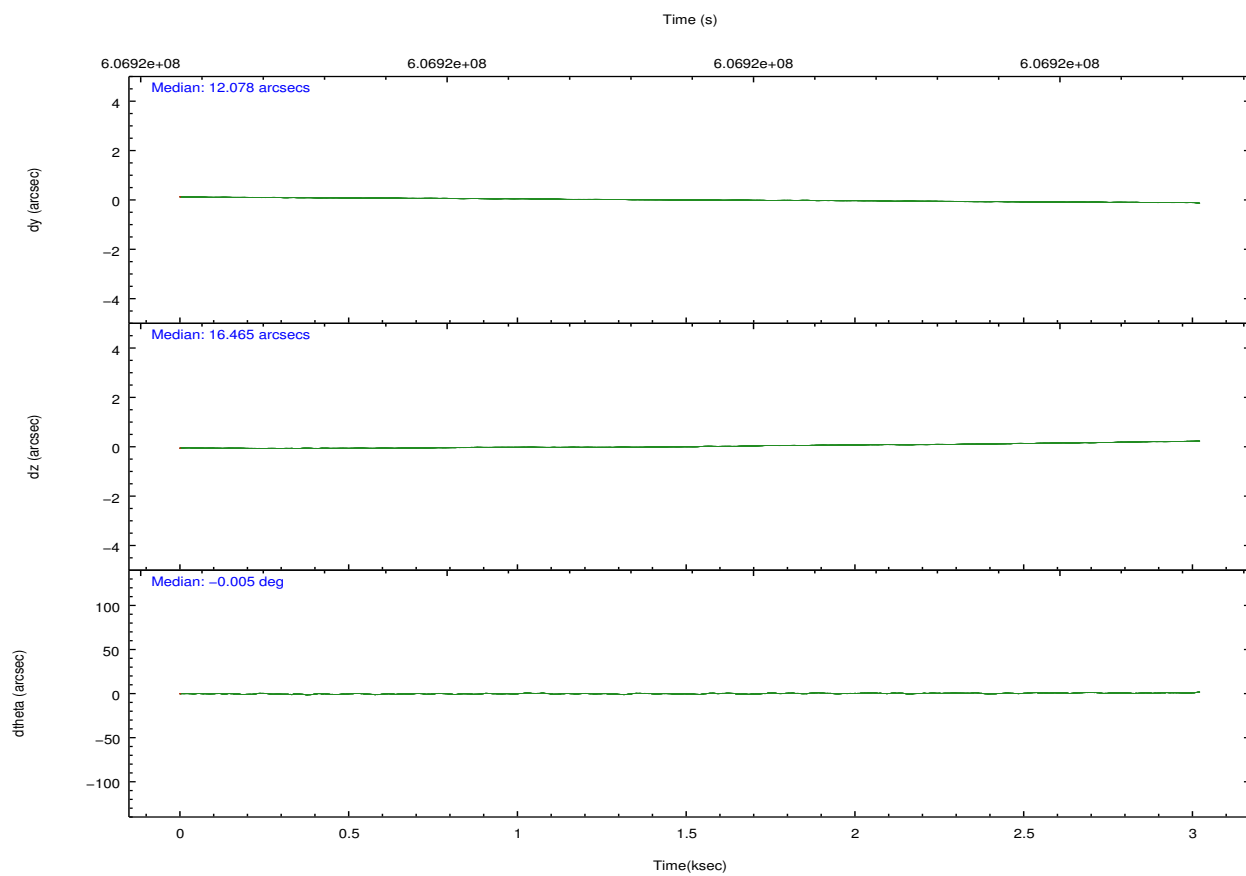
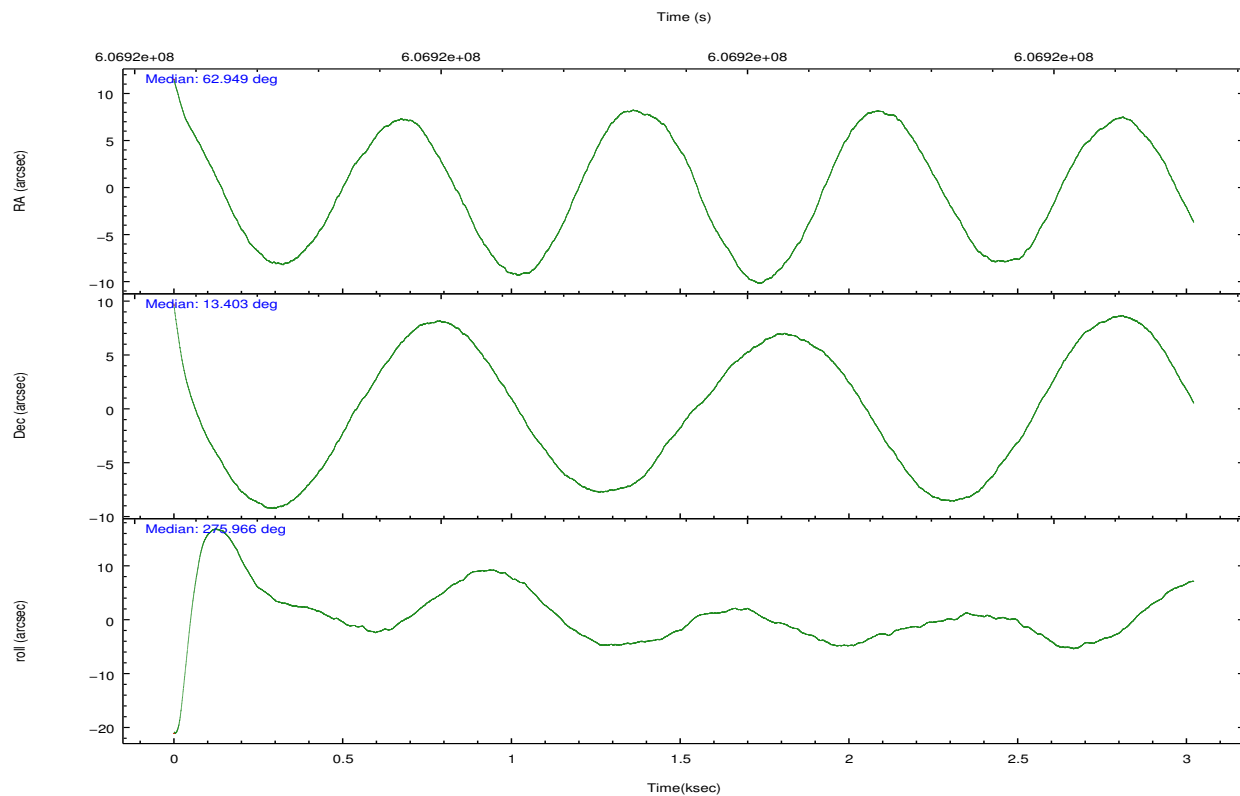
	ccd 7
grade 0 events	235
	5%
grade 1 events	13
	0%
grade 2 events	399
	9%
grade 3 events	286
	6%
grade 4 events	252
	6%
grade 5 events	363
	8%
grade 6 events	896
	21%
grade 7 events	1661
	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	62.932519	62.94945245726862	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	13.424362	13.40239558091468	Subarray start row	449	449
[deg] Pointing Roll	275.812801	275.9652661673771	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	606920433.184000	606919224.64911			
Observation start date	2017-03-26T12:59:24	2017-03-26T12:40:24			
[s] Observation end time (MET)	606923333.184000	606924357.3369			
Observation end date	2017-03-26T13:47:44	2017-03-26T14:05:57			
Read mode	TIMED	TIMED			

2.3 Aspect



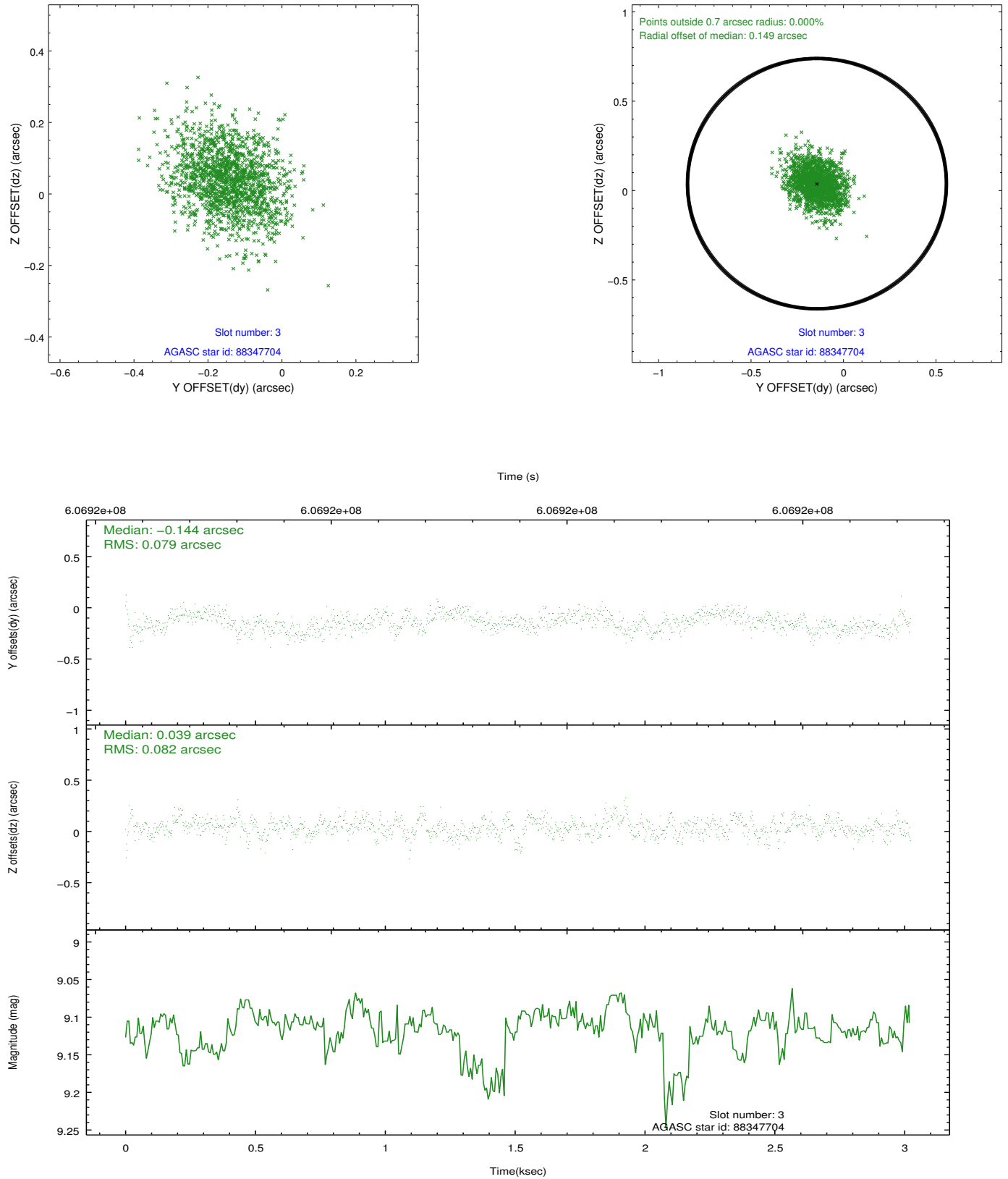


Slot Statistics

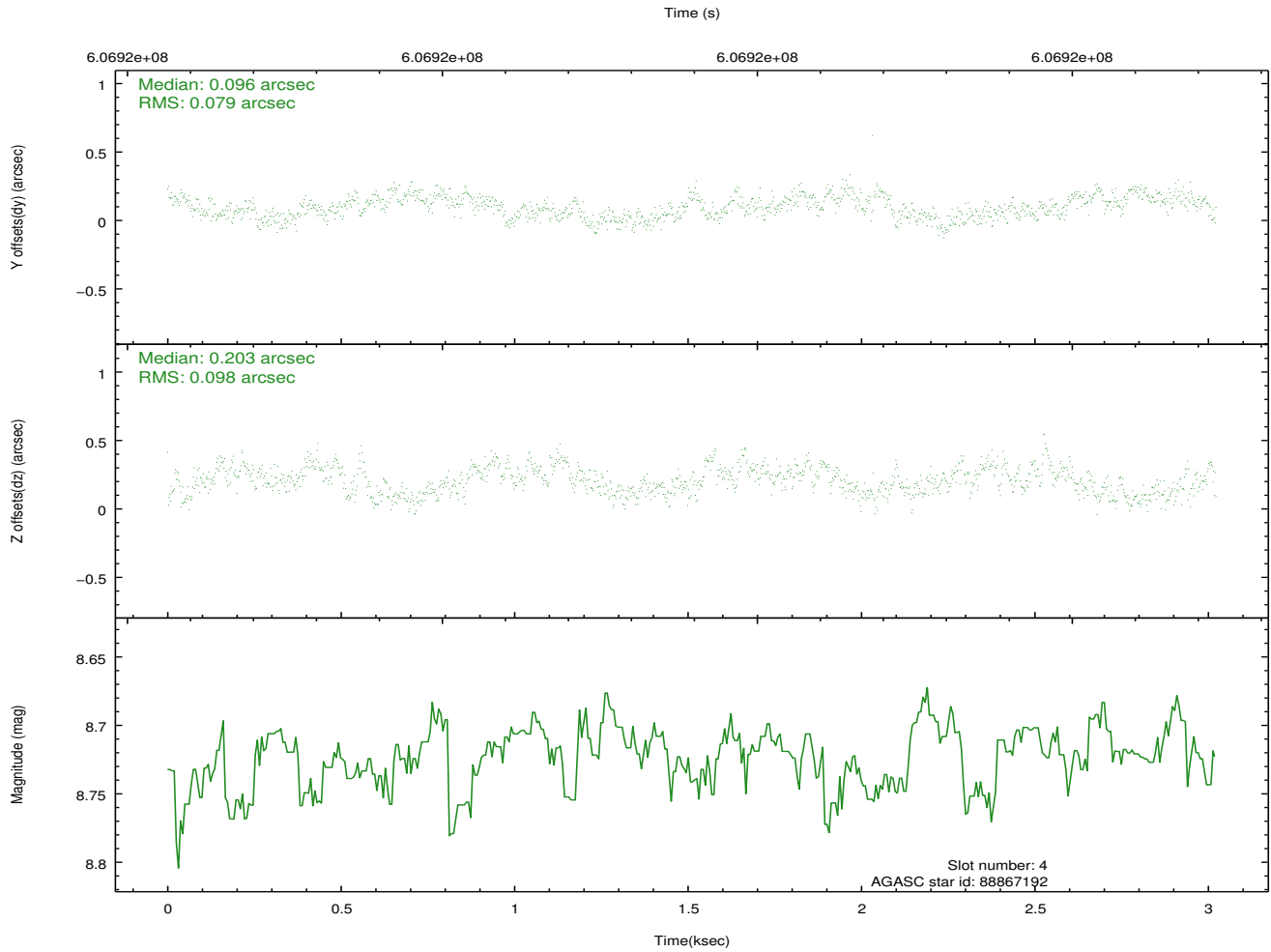
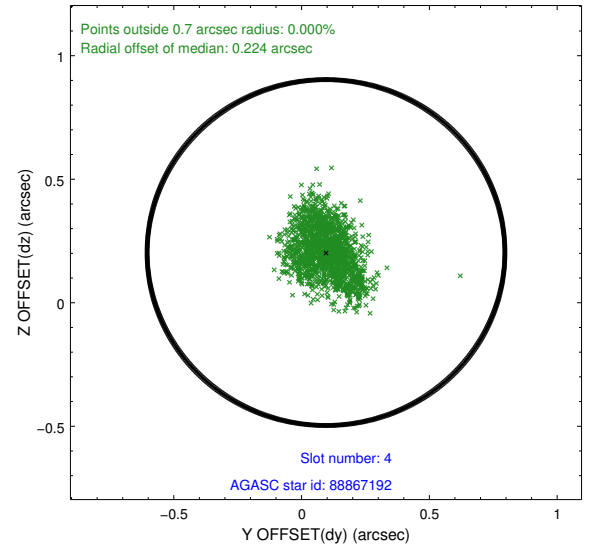
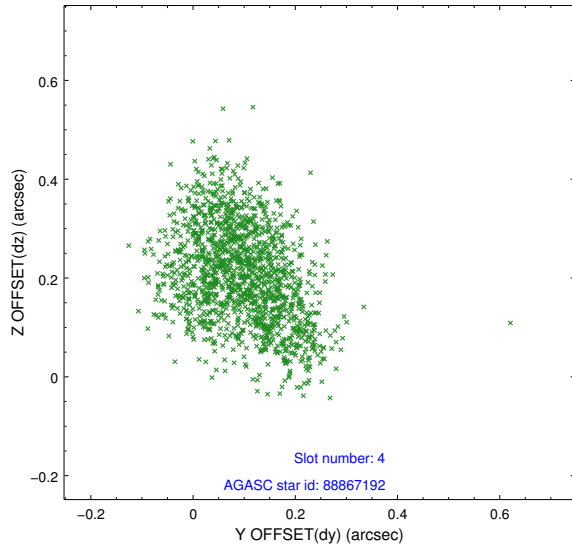
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.08	738	-0.155	-0.080	0.006	0.012	0.000000	0.000000	-765.09	-1737.96
1	FID		ACIS-S-4	7.20	738	0.433	0.096	0.006	0.011	0.000000	0.000000	2147.77	168.56
2	FID		ACIS-S-5	7.21	738	-0.308	-0.007	0.007	0.011	0.000000	0.000000	-1815.41	164.45
3	GUIDE	used	88347704	9.12	1474	-0.144	0.039	0.123	0.199	62.731504	12.812051	2122.86	-924.15
4	GUIDE	used	88867192	8.72	1475	0.096	0.203	0.136	0.213	62.358489	13.401948	-123.19	-2008.31
5	GUIDE	used	88867288	9.17	1474	-0.528	-0.171	0.152	0.266	62.959095	13.303365	443.35	47.26
6	GUIDE	used	88870152	6.39	1475	0.082	0.021	0.115	0.192	62.256542	13.398271	-148.16	-2363.91
7	GUIDE	used	88346896	9.31	1471	0.504	-0.096	0.185	0.301	63.018594	12.764326	2395.67	58.38

2.4 Star Slots

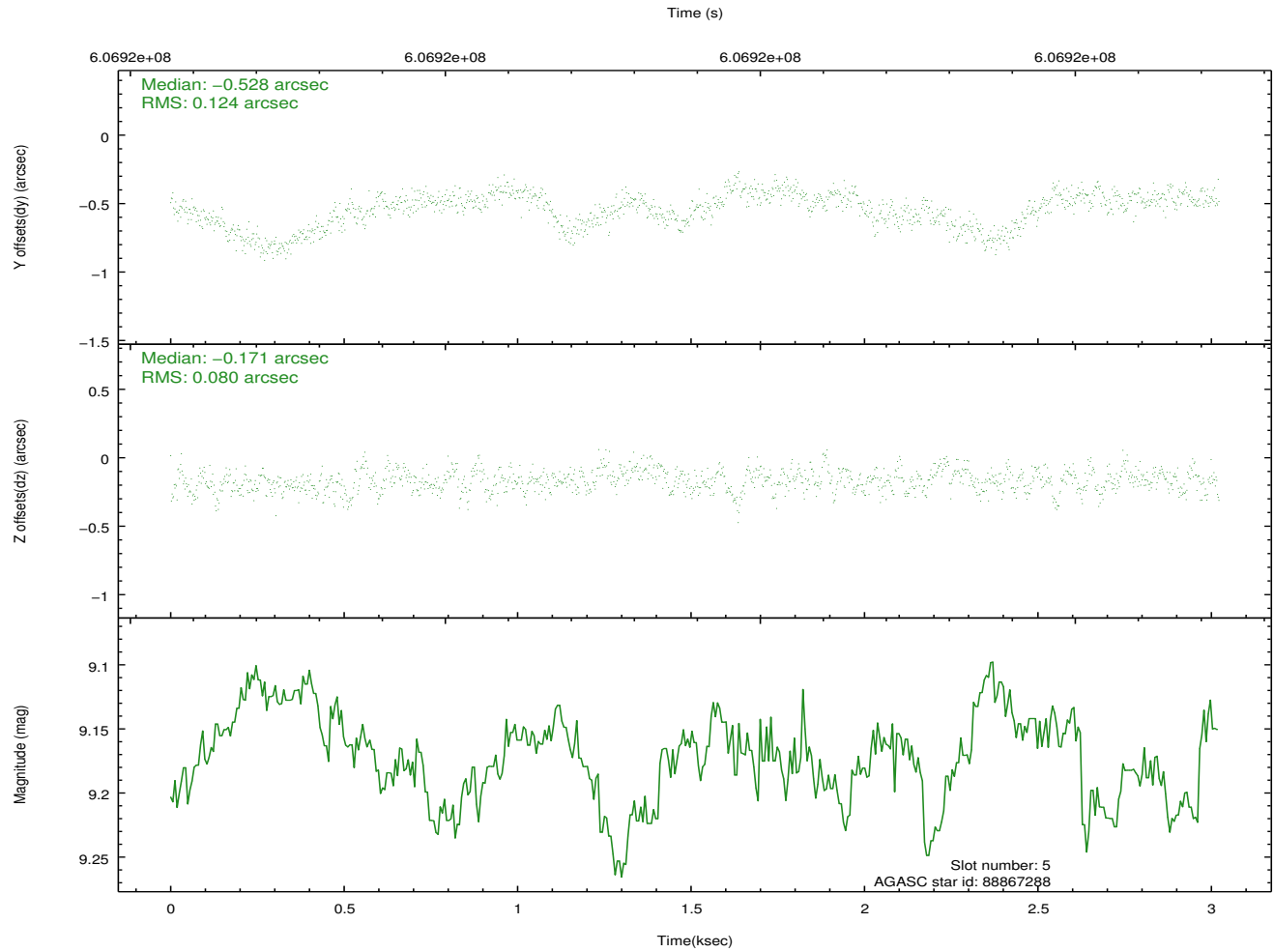
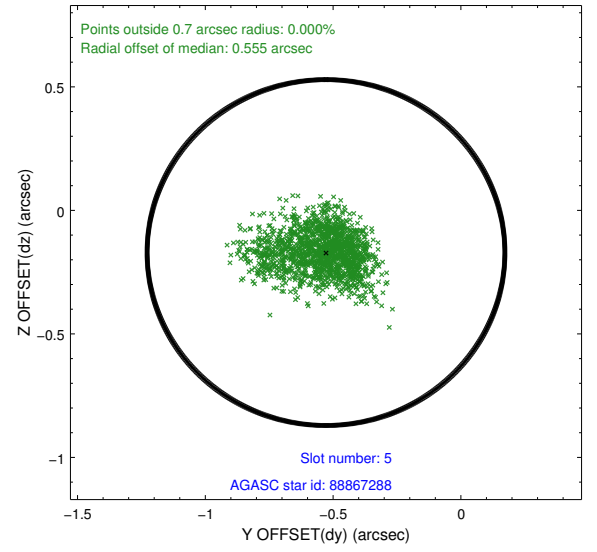
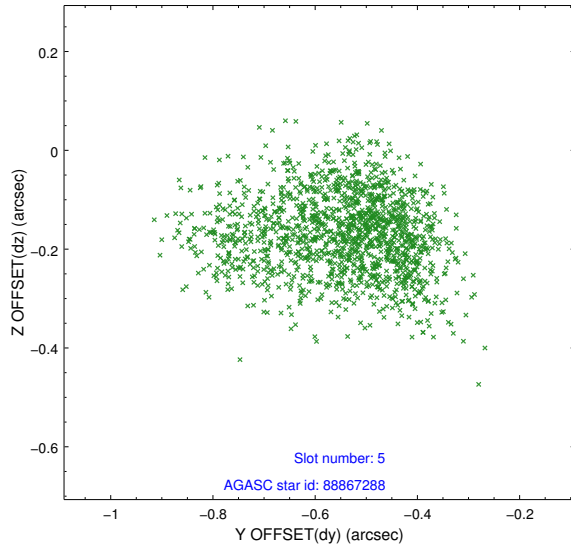
2.4.1 Slot 3



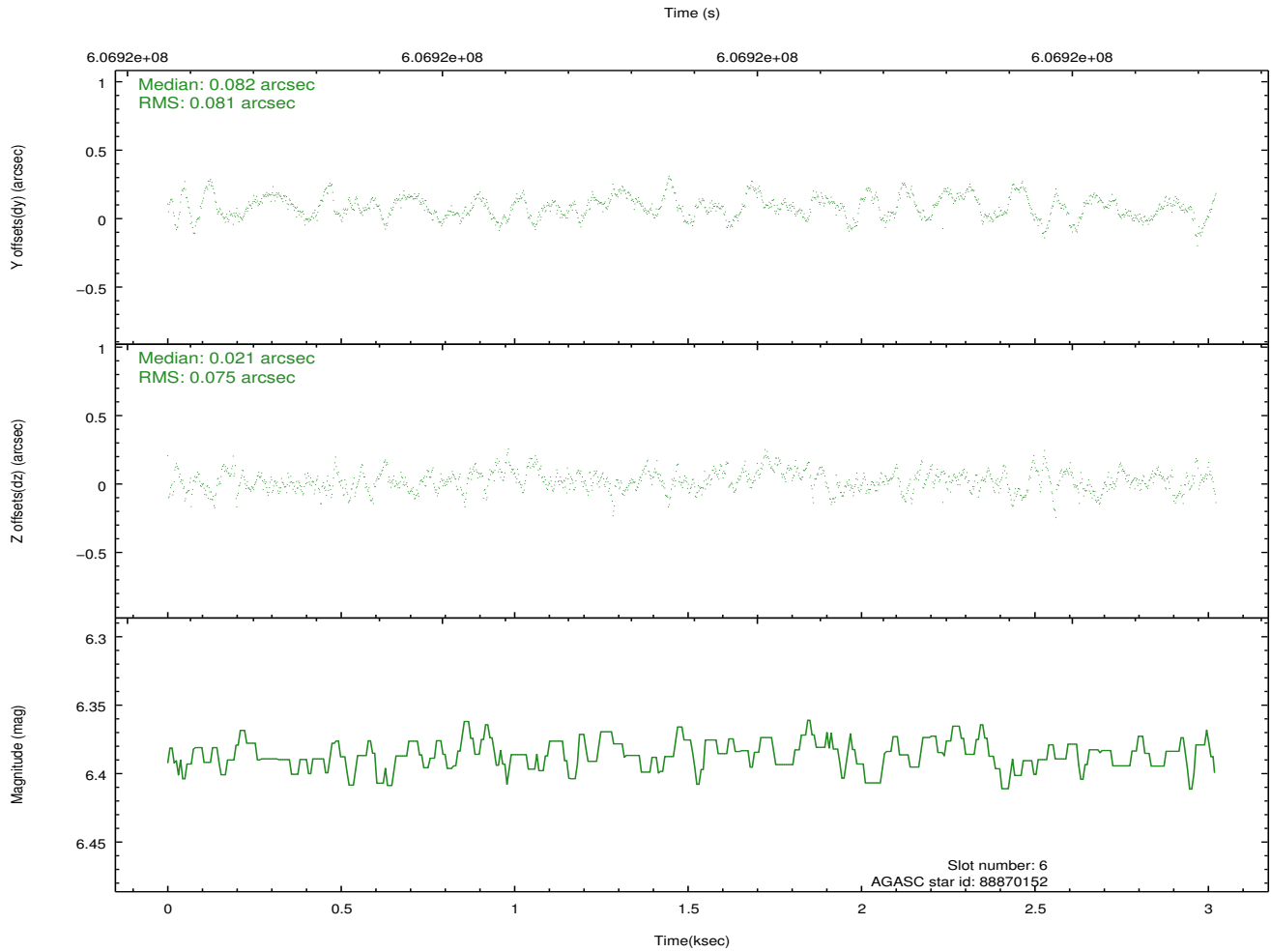
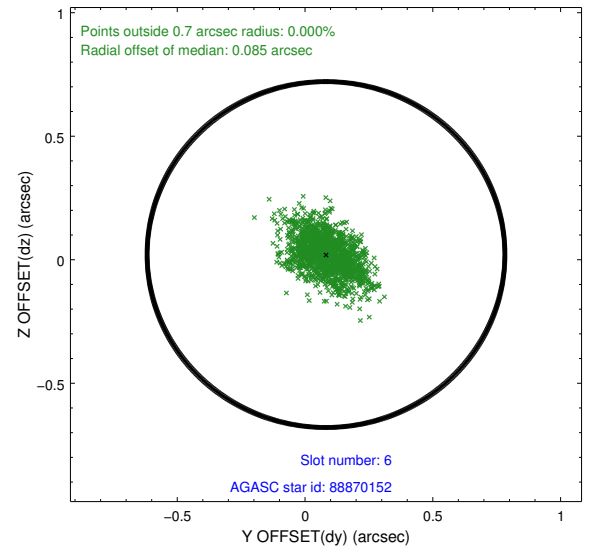
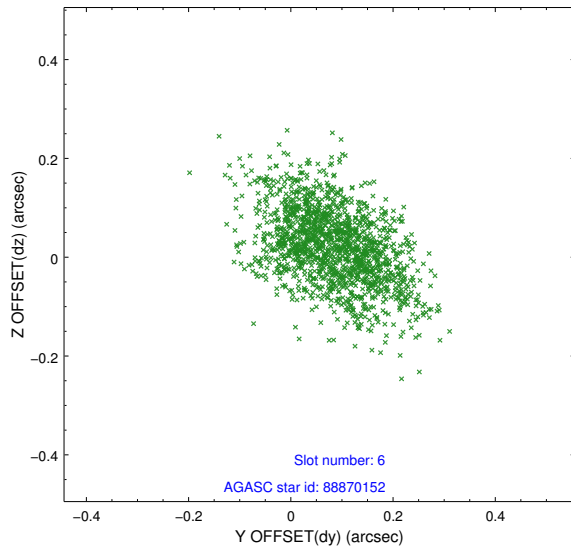
2.4.2 Slot 4



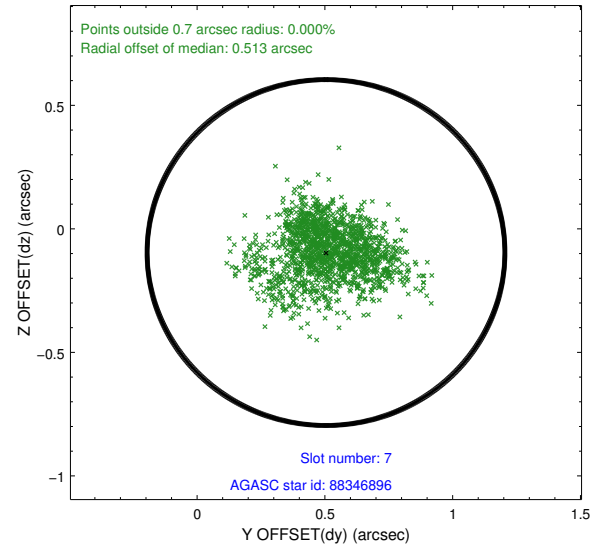
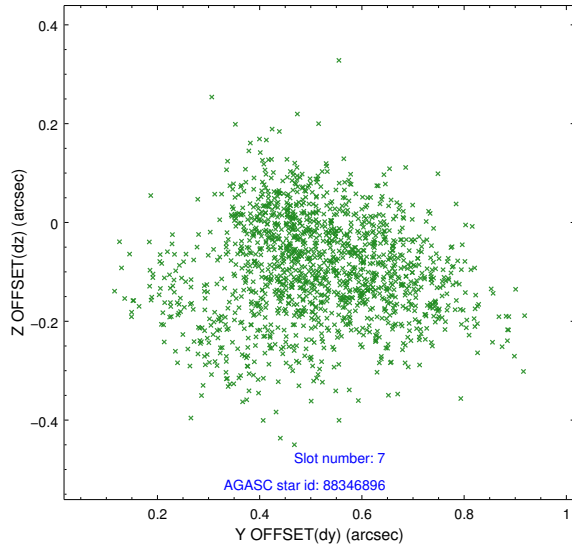
2.4.3 Slot 5



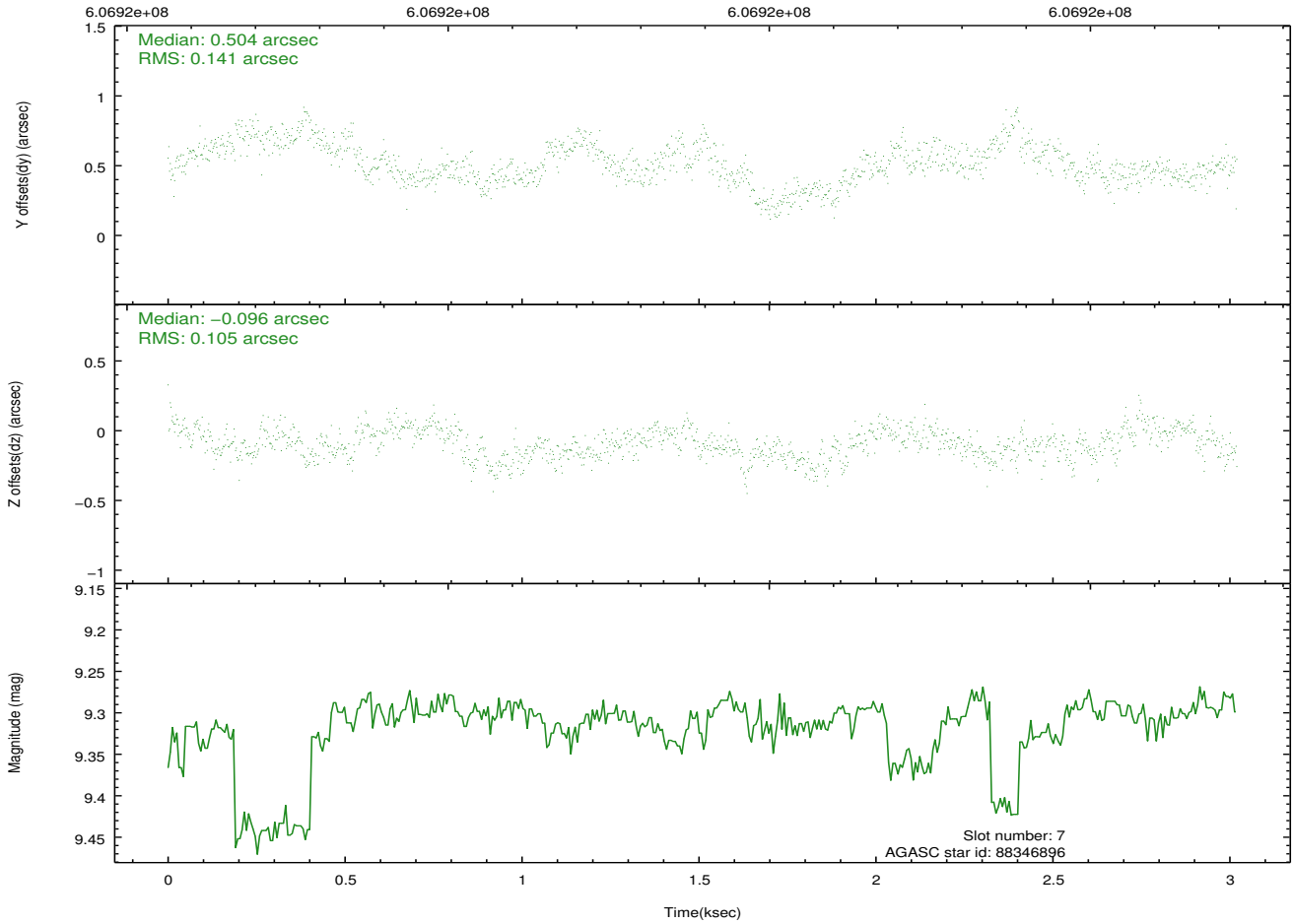
2.4.4 Slot 6



2.4.5 Slot 7

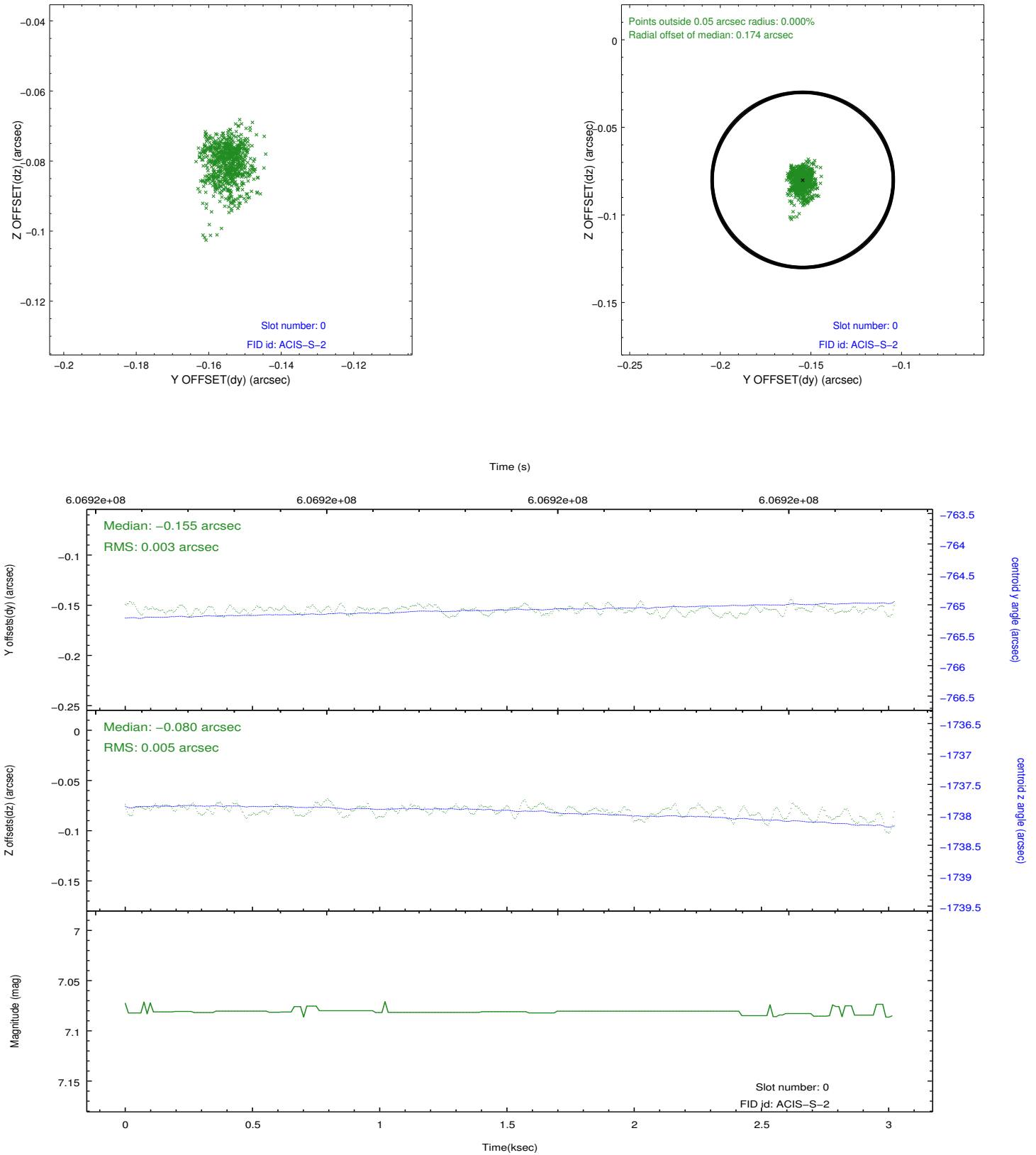


Time (s)

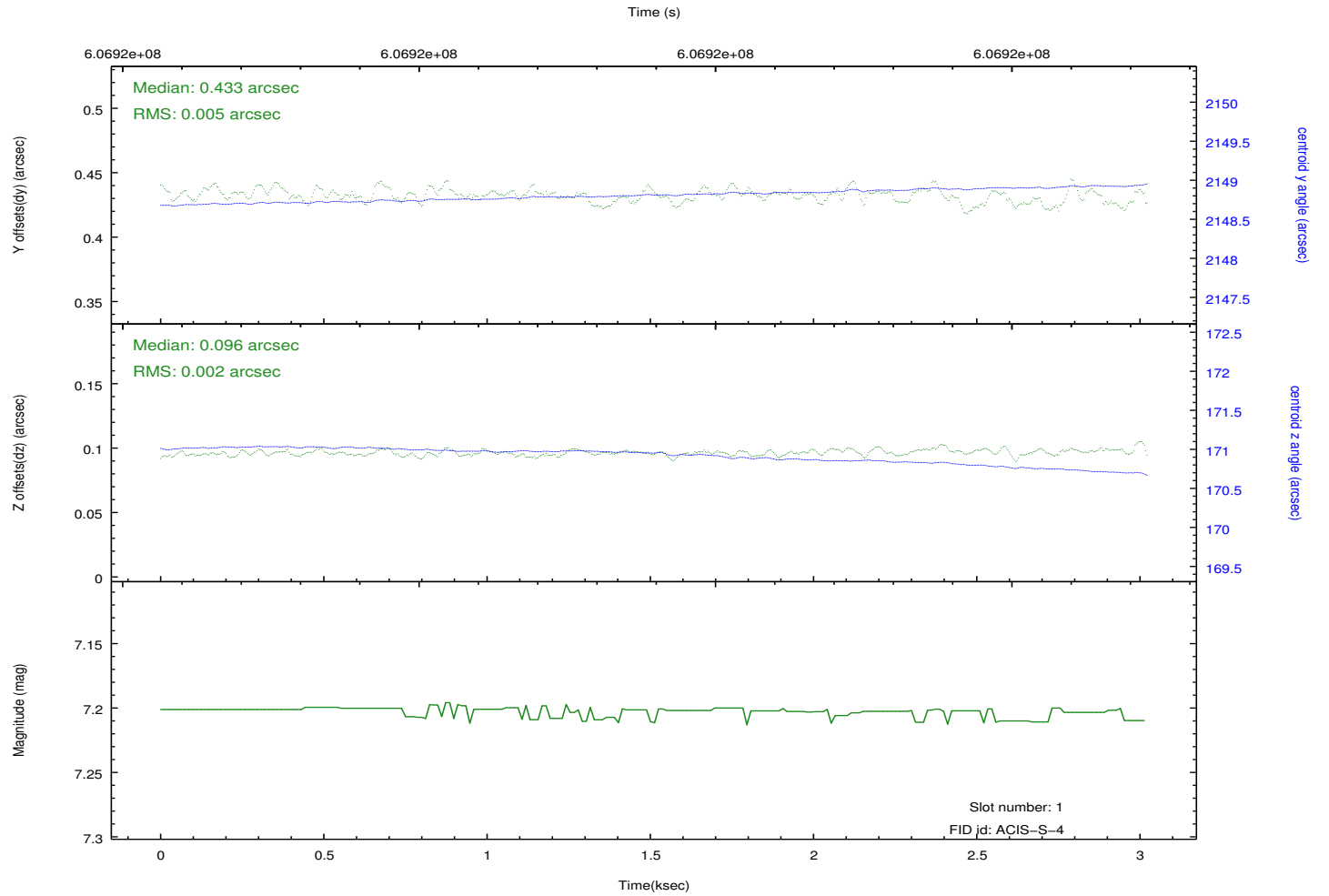
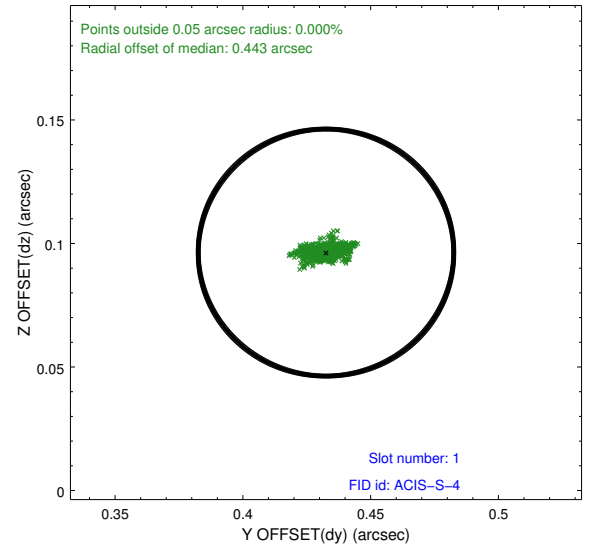
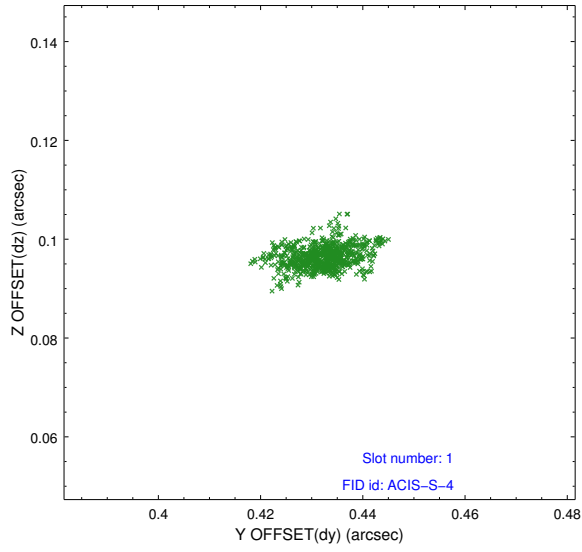


2.5 FID Slots

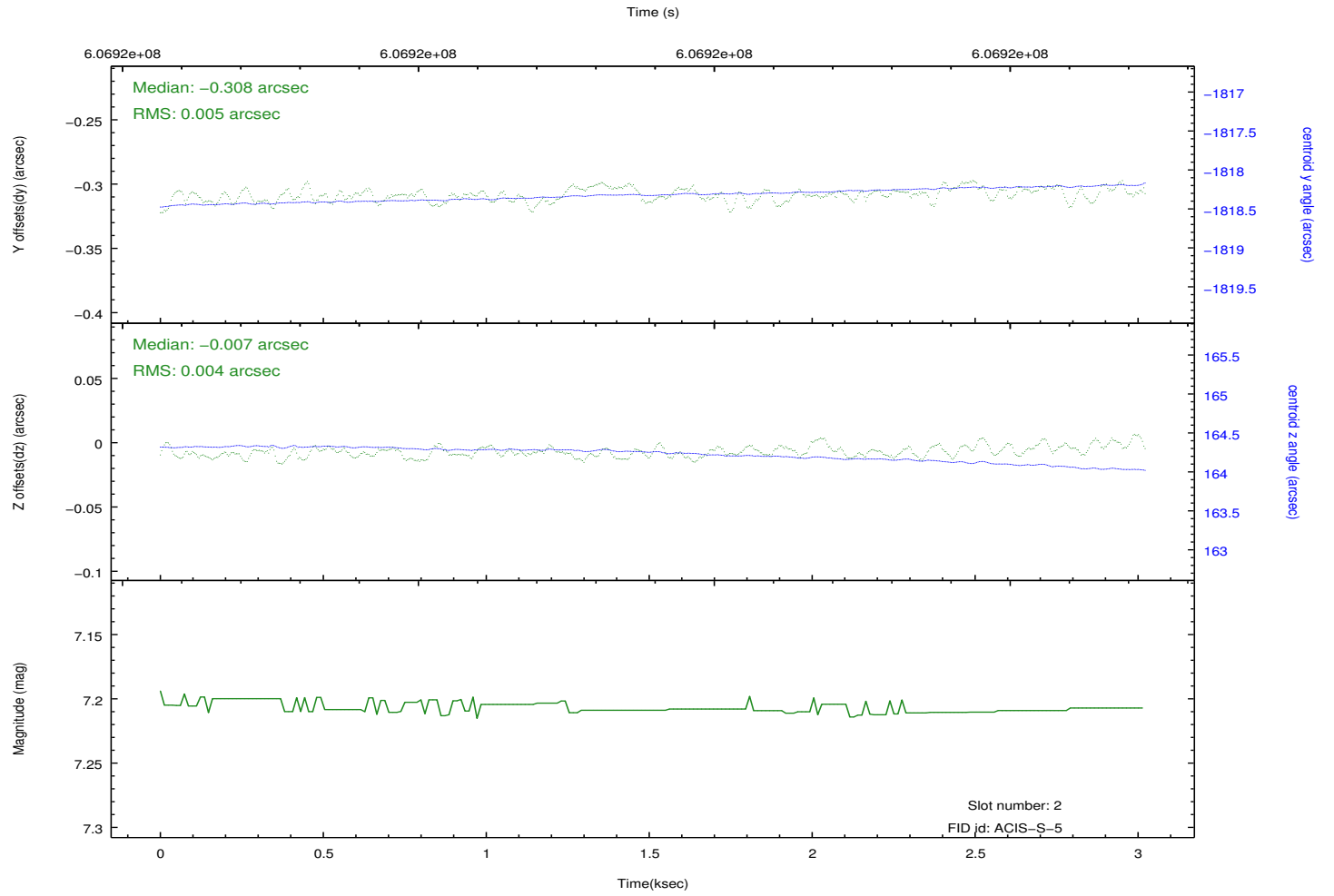
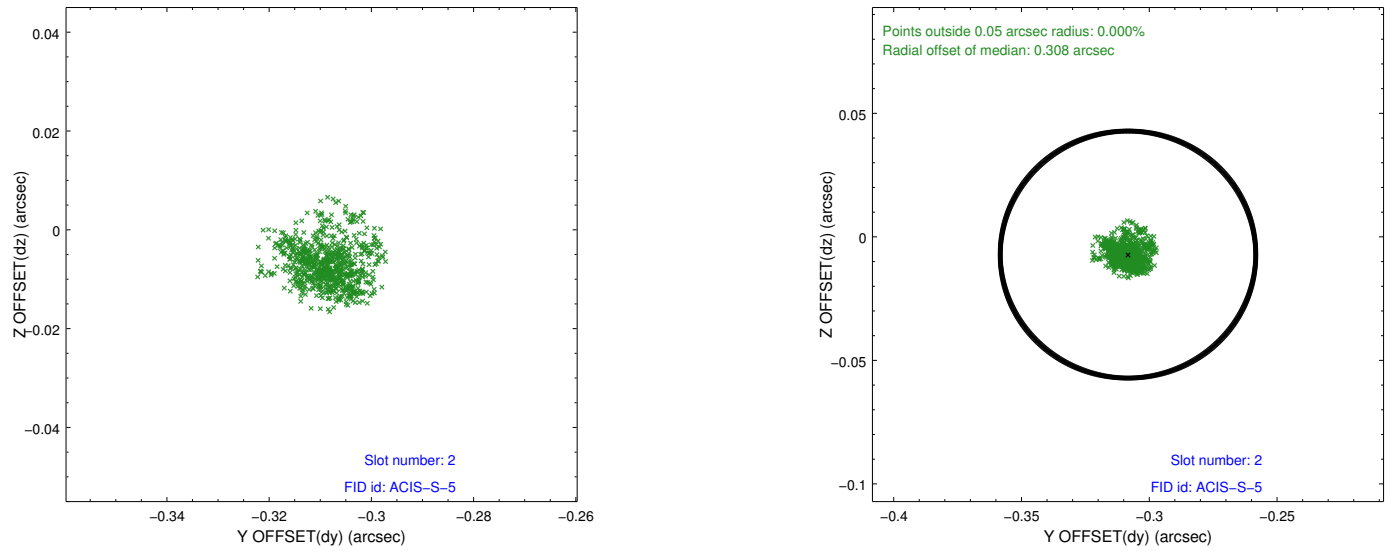
2.5.1 Slot 0



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)	2017.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9683998229504

A.2 Comments