

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19529 - L2 Version 1
Chandra X-Ray Center

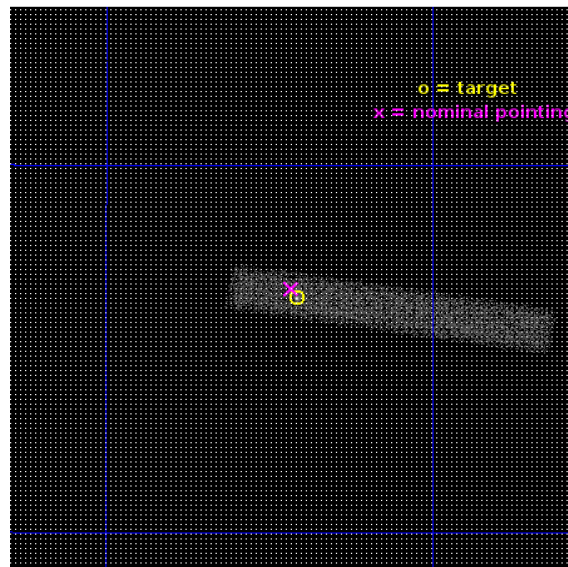
L2 Processing Date : Sep 5 2017

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1 Front

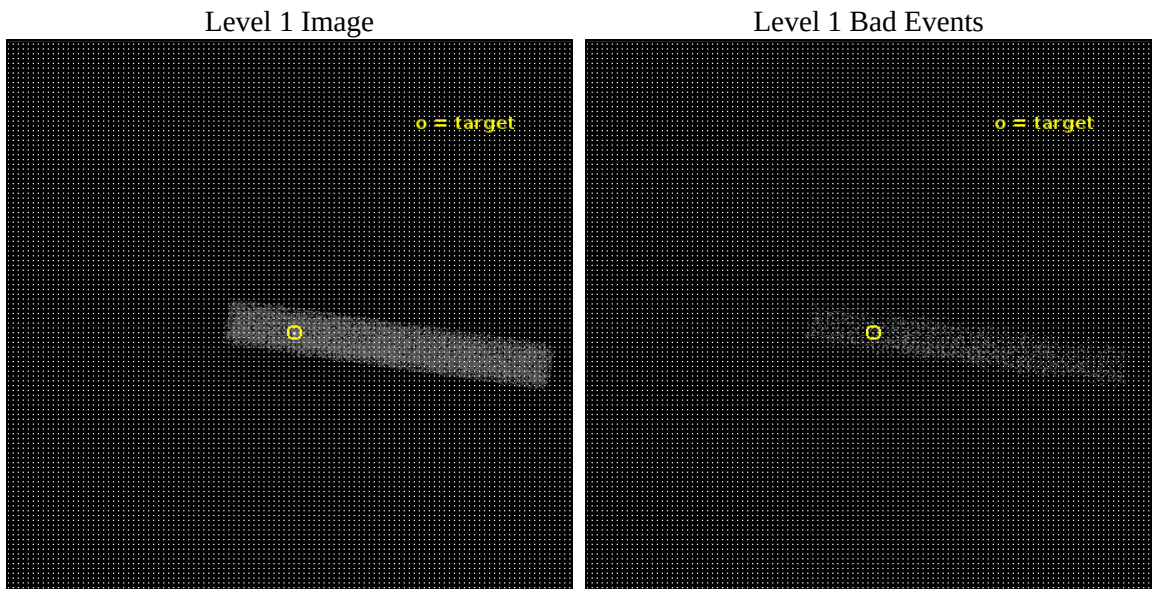
seq_num	703377	Sequence number
obs_id	19529	Observation id
title	Surveying the X-Ray Properties of Candidate Subparsec Scale SMBH Binaries	Proposal title
observer	Daniel Stern	Principal investigator
object	RBS 874	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	157.60375	Observer's specified target RA [deg]
dec_targ	55.273056	Observer's specified target Dec [deg]
ra_nom	157.60778476965	Nominal RA [deg]
dec_nom	55.277302961736	Nominal Dec [deg]
roll_nom	8.3159064978459	Nominal Roll [deg]
revision	1	Processing version of data
ontime	17069.598982453	Sum of GTIs [s]
livetime	15481.225269775	Livetime [s]
ontime7	17069.598982453	Sum of GTIs [s]
l2events	12535	Number of level 2 events



2 OBI

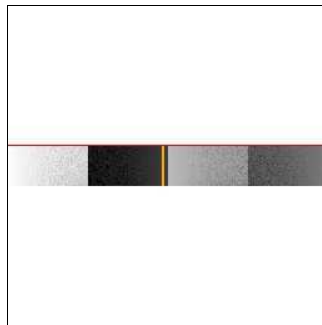
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	17069.598982453	Sum of GTIs [s]
caldsver	4.7.6	 	ontime7	17069.598982453	Sum of GTIs [s]
date	2017-09-05T14:22:36	Date and time of file creation	l1events	23645	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

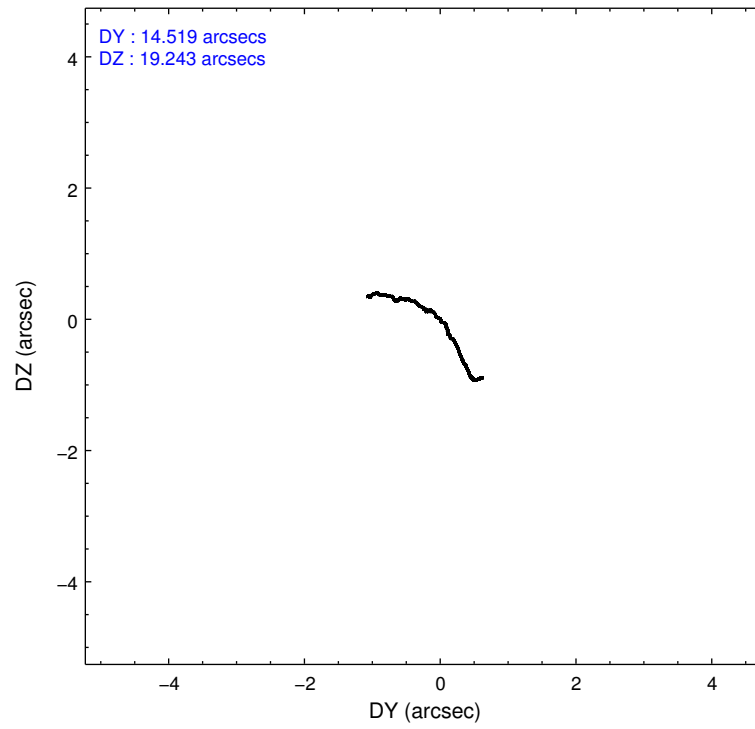
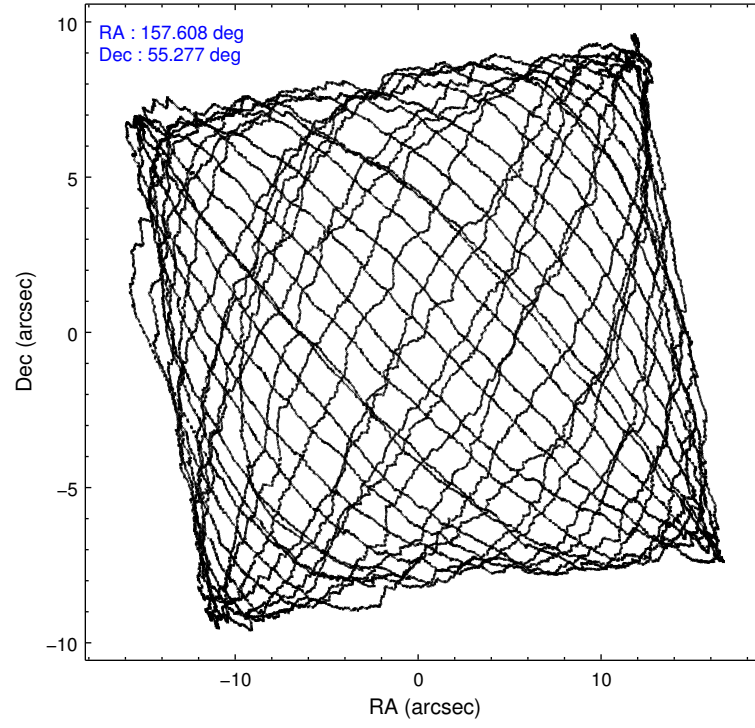
	ccd 7
level 1 events	23645
rejected events	10658
rejected %	45%

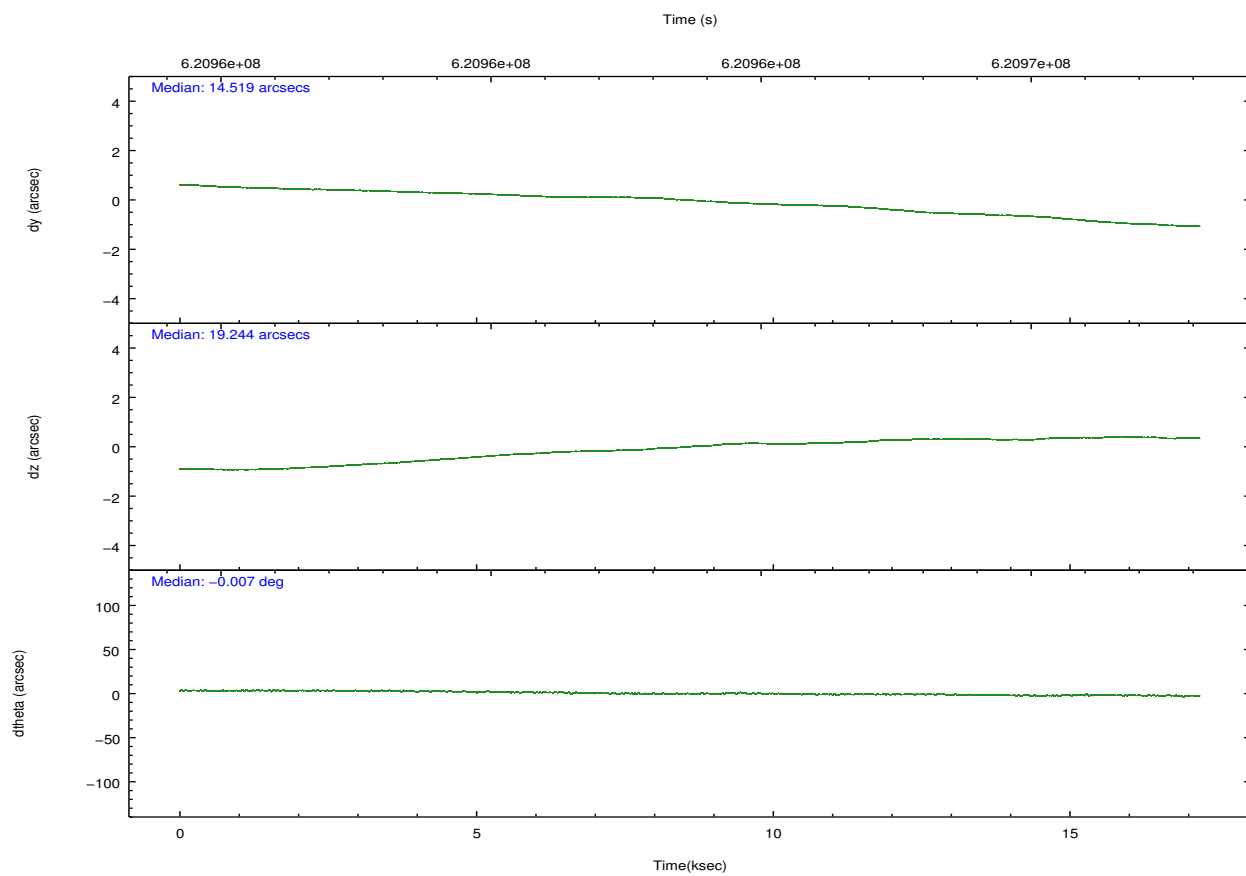
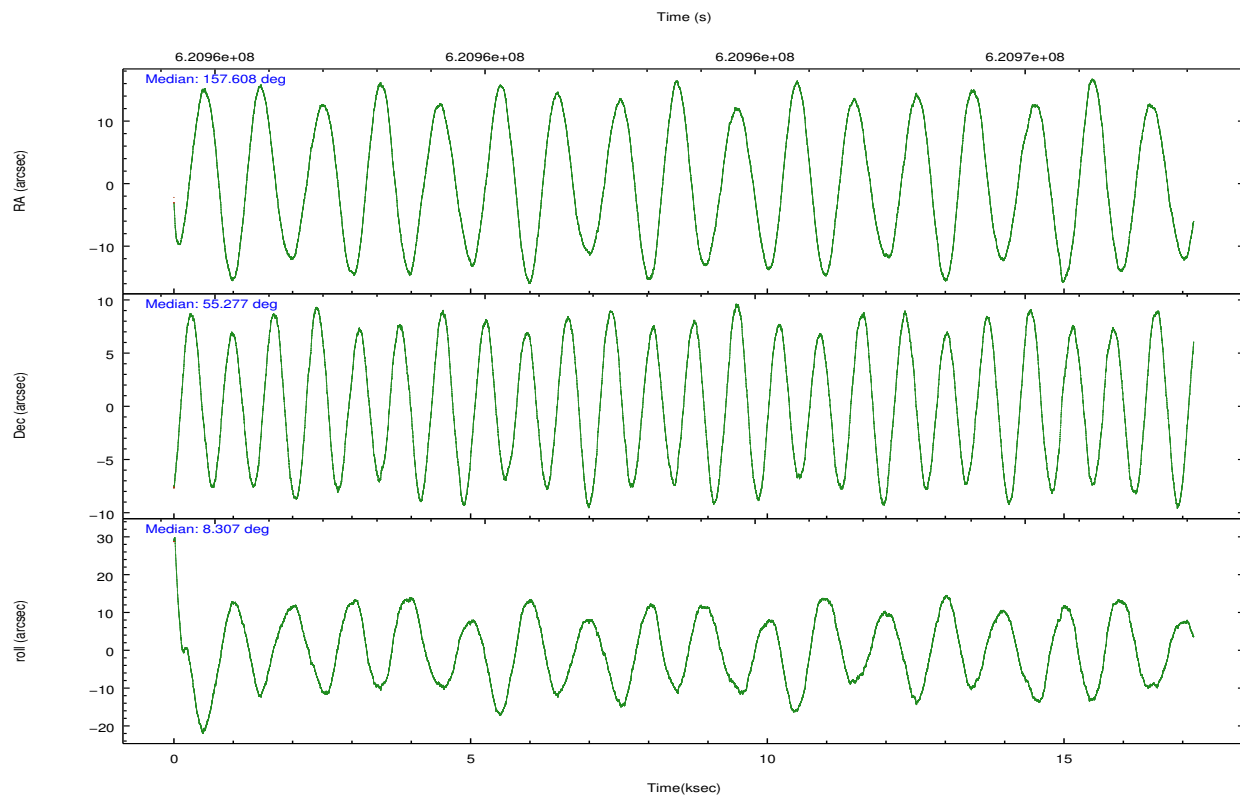
	ccd 7
grade 0 events	1843
	7%
grade 1 events	34
	0%
grade 2 events	2666
	11%
grade 3 events	1629
	6%
grade 4 events	1607
	6%
grade 5 events	2168
	9%
grade 6 events	5242
	22%
grade 7 events	8456
	35%

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	157.570420	157.6077847696487	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	55.260004	55.27730296173597	Subarray start row	449	449
[deg] Pointing Roll	8.189966	8.315906497845859	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)	620955267.184000	620953925.21653			
Observation start date	2017-09-04T23:33:18	2017-09-04T23:12:05			
[s] Observation end time (MET)	620972267.184000	620973394.06767			
Observation end date	2017-09-05T04:16:38	2017-09-05T04:36:34			
Read mode	TIMED	TIMED			

2.3 Aspect



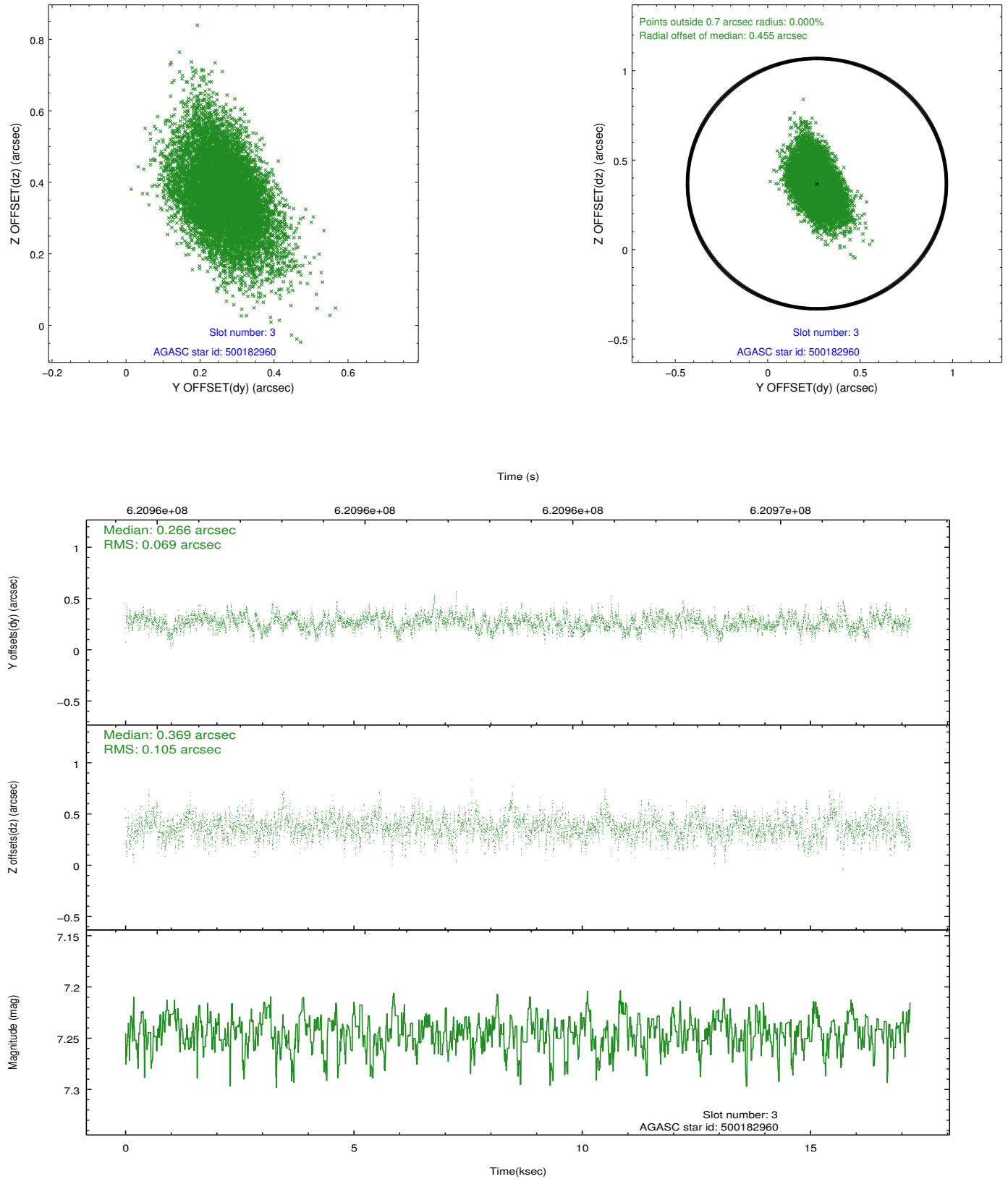


Slot Statistics

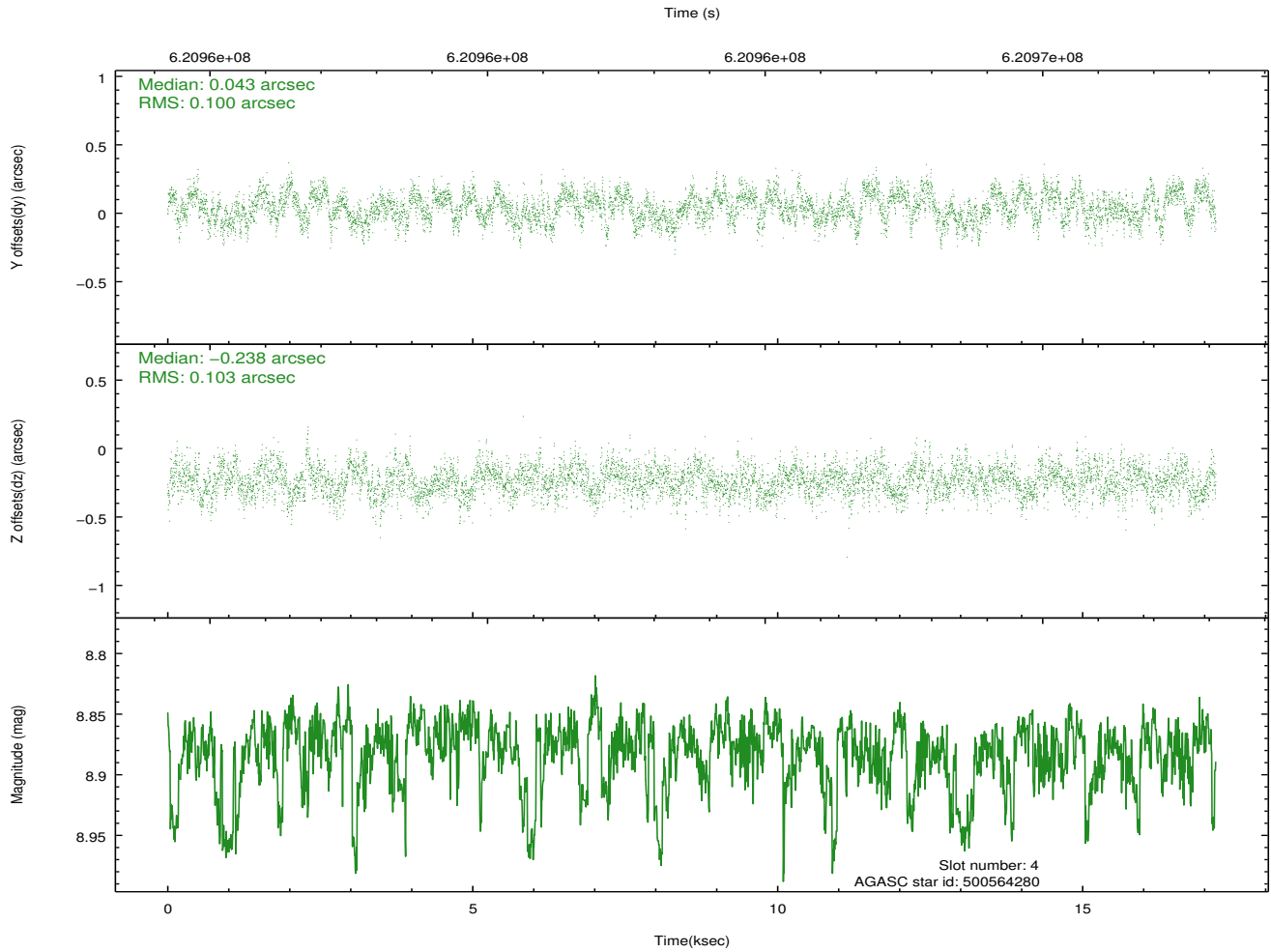
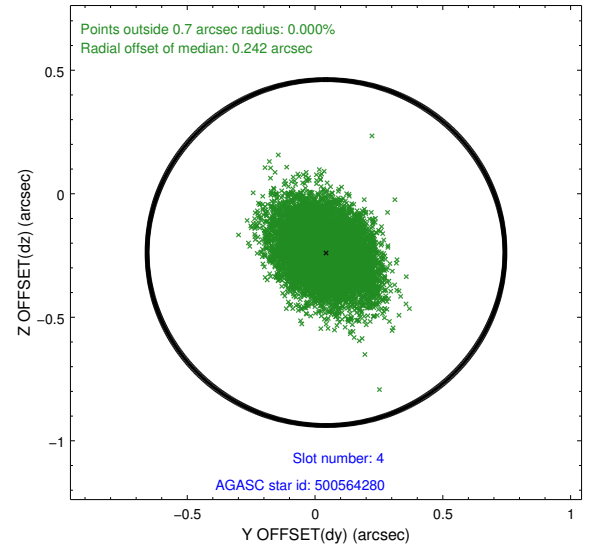
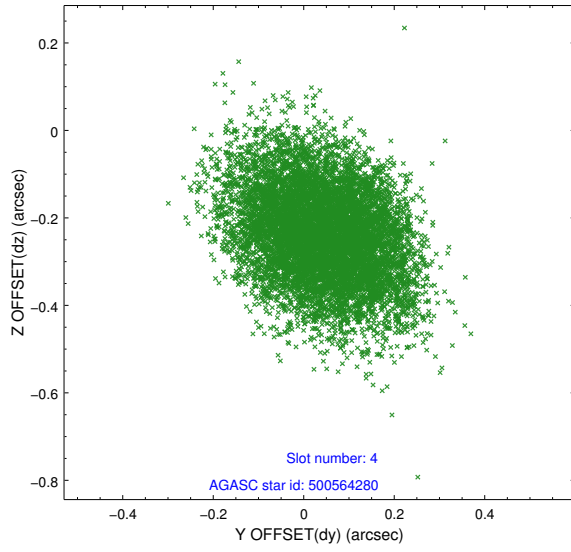
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.14	4191	0.031	-0.022	0.014	0.021	0.000000	0.000000	928.75	-1736.18
1	FID		ACIS-S-4	7.15	4192	0.366	0.007	0.013	0.021	0.000000	0.000000	2146.57	167.79
2	FID		ACIS-S-5	7.15	4192	-0.423	0.030	0.009	0.017	0.000000	0.000000	-1820.32	161.56
3	GUIDE	used	500182960	7.24	8383	0.266	0.369	0.128	0.226	157.449453	54.825721	-470.20	-1510.97
4	GUIDE	used	500564280	8.88	8381	0.043	-0.238	0.153	0.247	158.679850	55.024642	2148.47	-1146.91
5	GUIDE	used	500571248	9.38	8376	0.293	0.144	0.171	0.289	157.243414	55.377826	-600.99	516.23
6	GUIDE	used	500572080	8.82	8374	-0.460	-0.077	0.193	0.295	157.769349	55.360314	454.29	300.08
7	GUIDE	used	500572440	9.75	8363	-0.125	-0.192	0.232	0.364	157.340013	55.880254	-142.35	2277.00

2.4 Star Slots

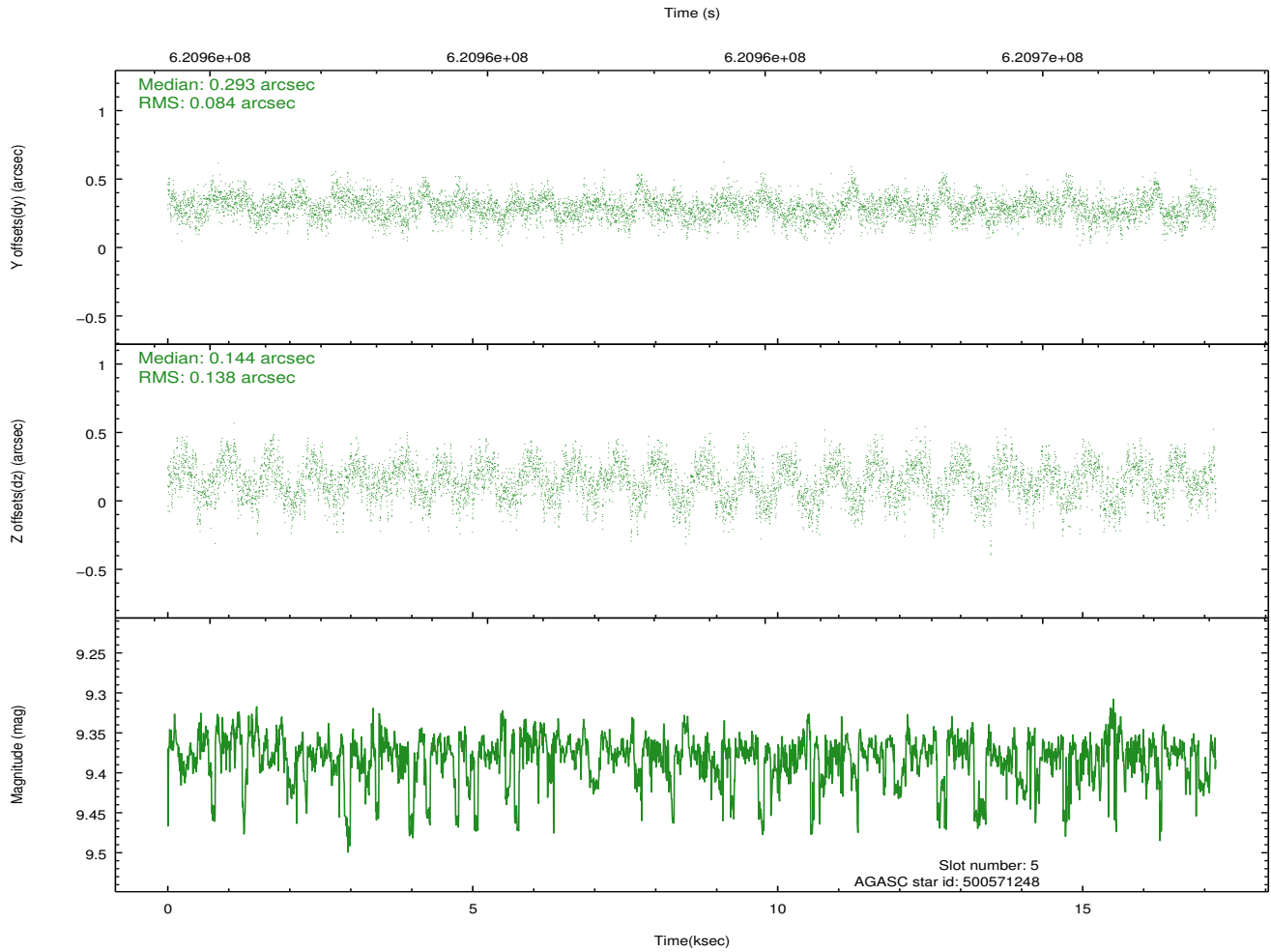
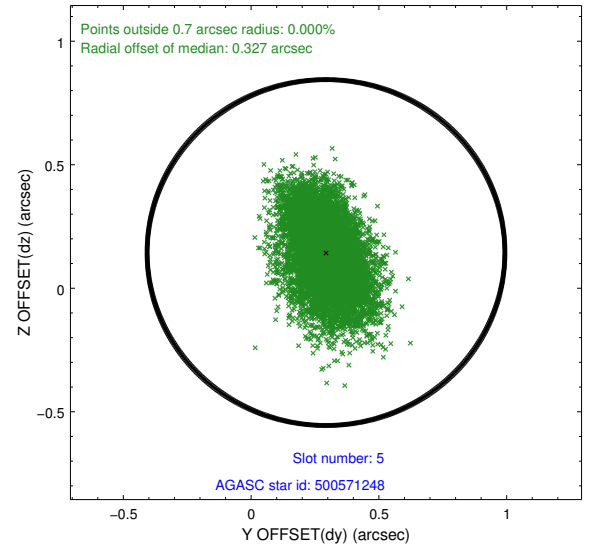
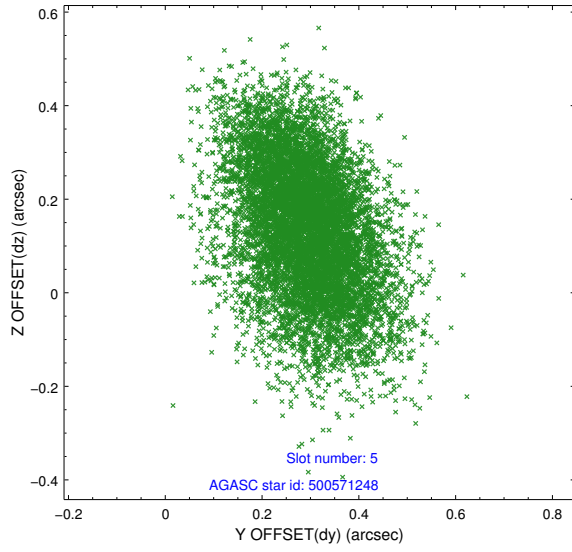
2.4.1 Slot 3



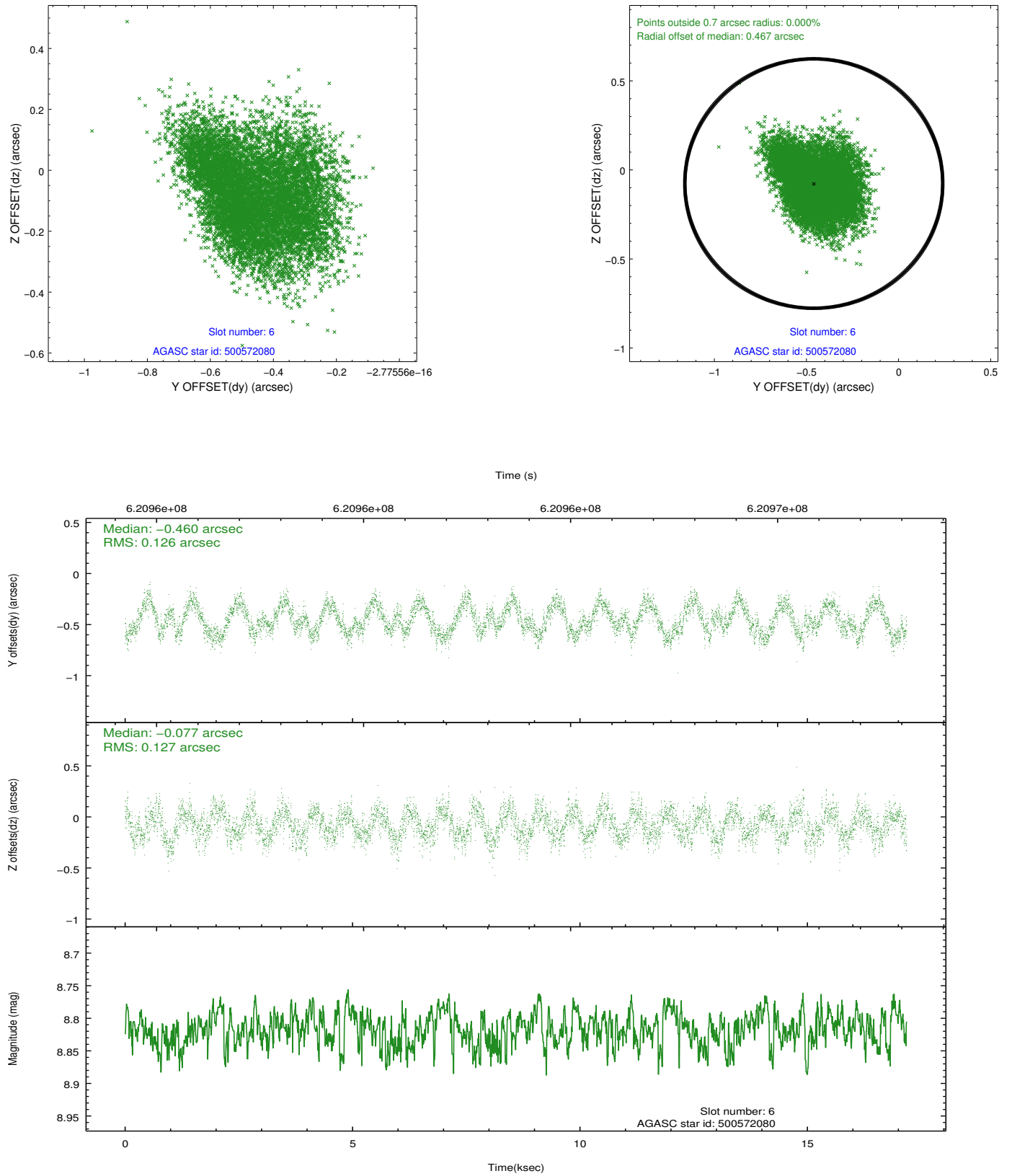
2.4.2 Slot 4



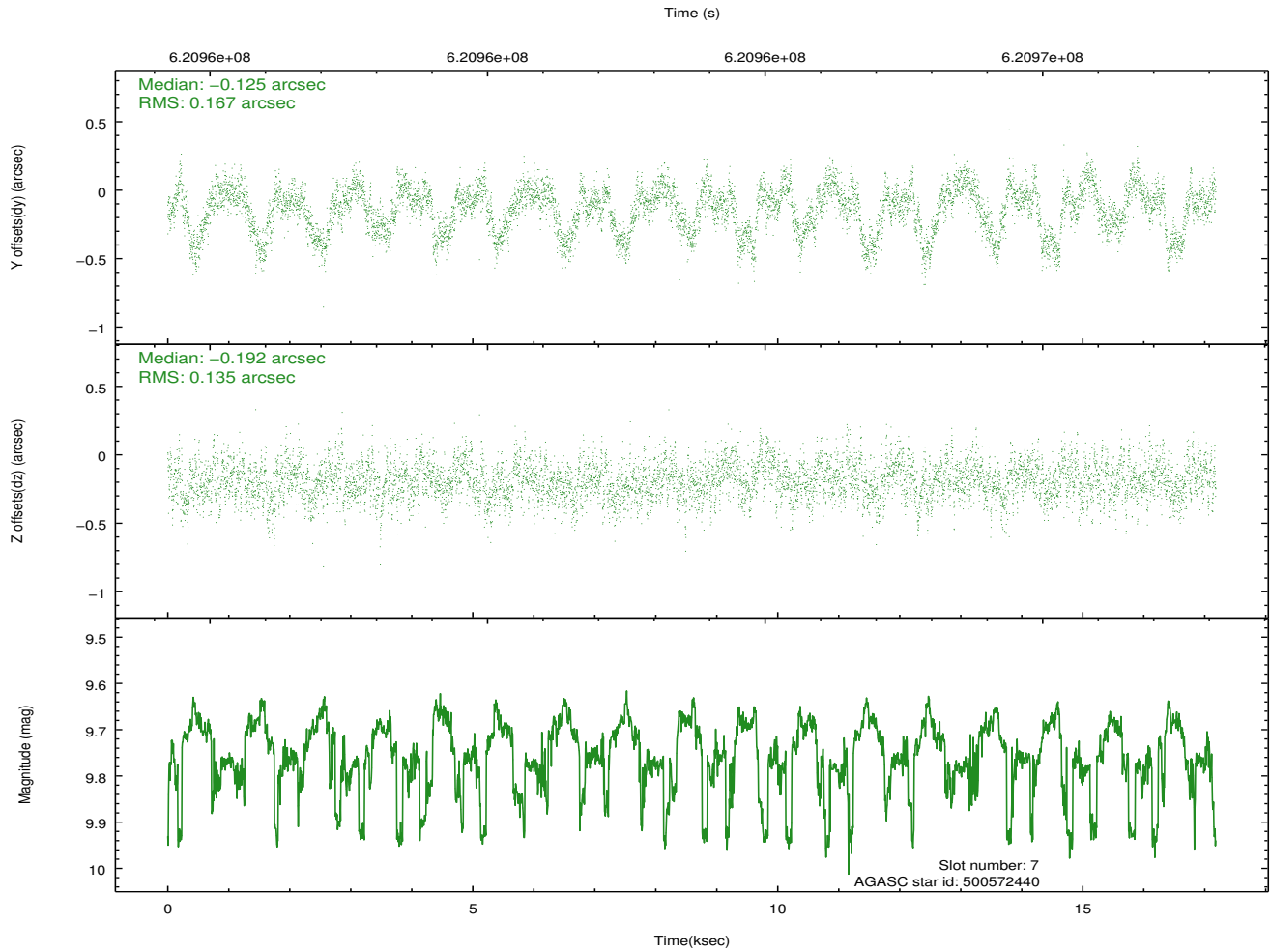
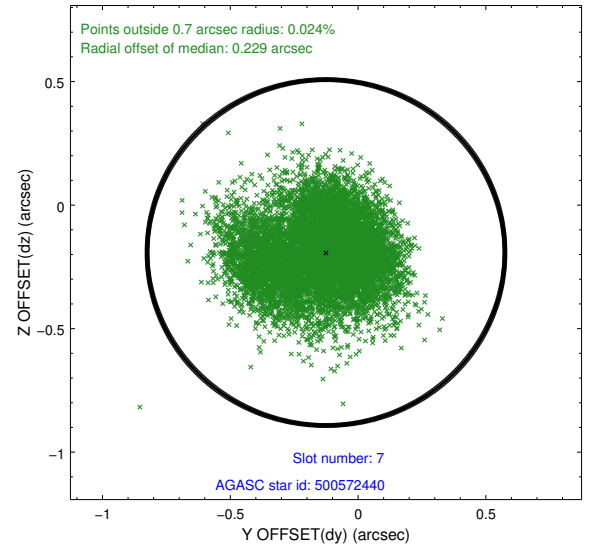
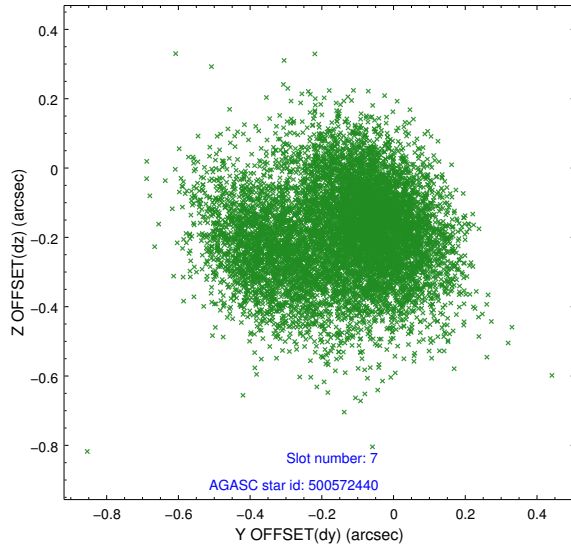
2.4.3 Slot 5



2.4.4 Slot 6

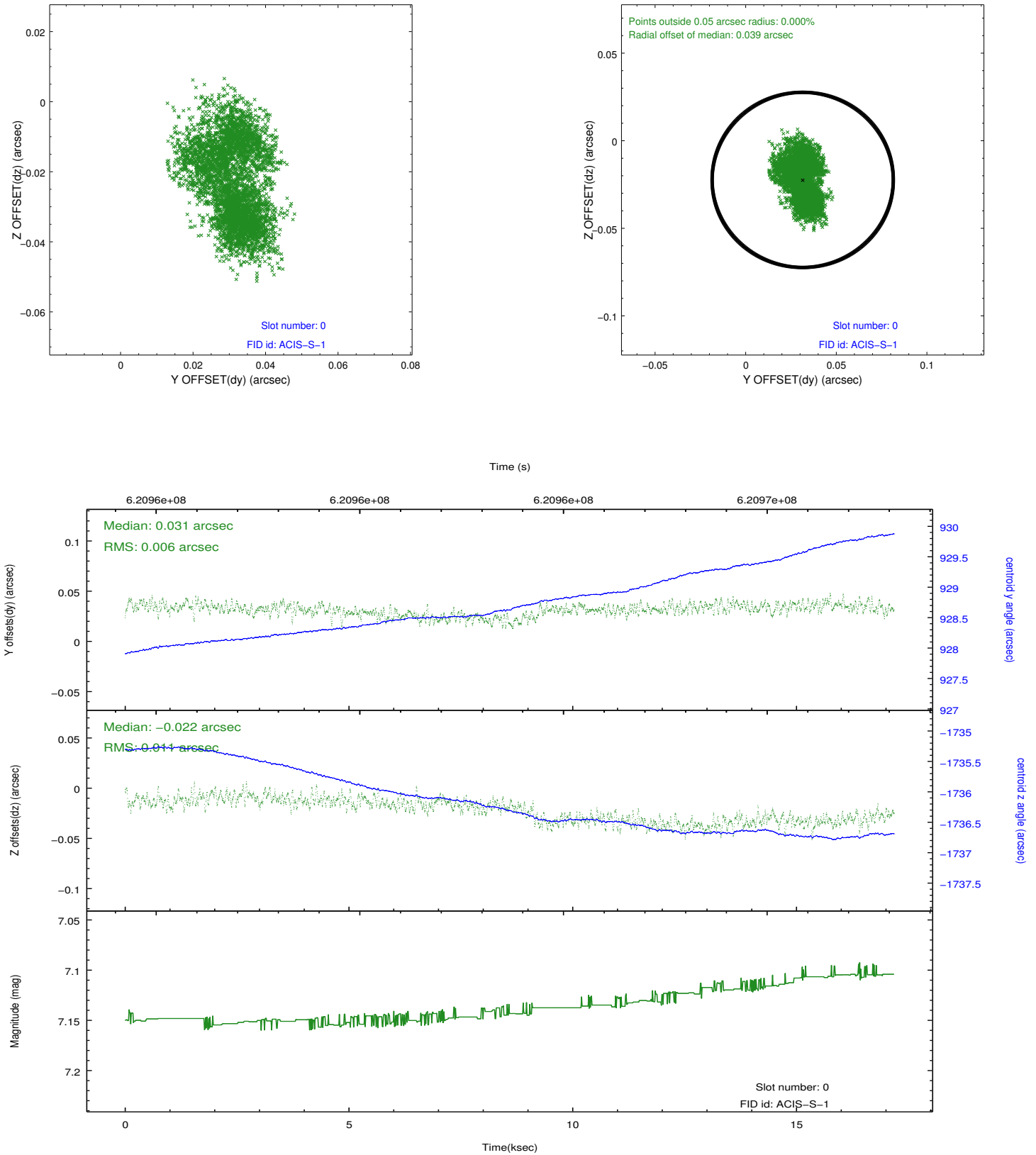


2.4.5 Slot 7

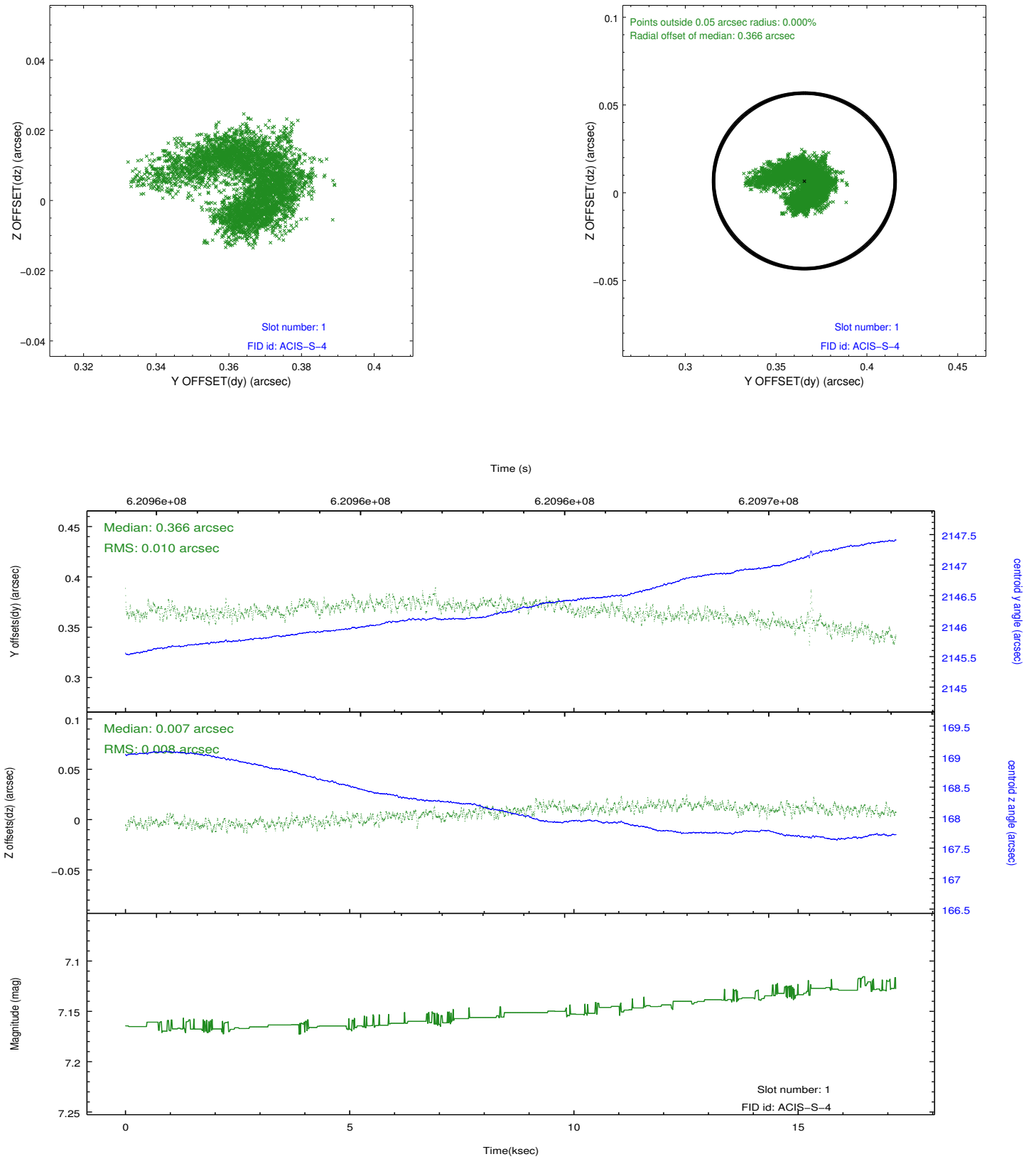


2.5 FID Slots

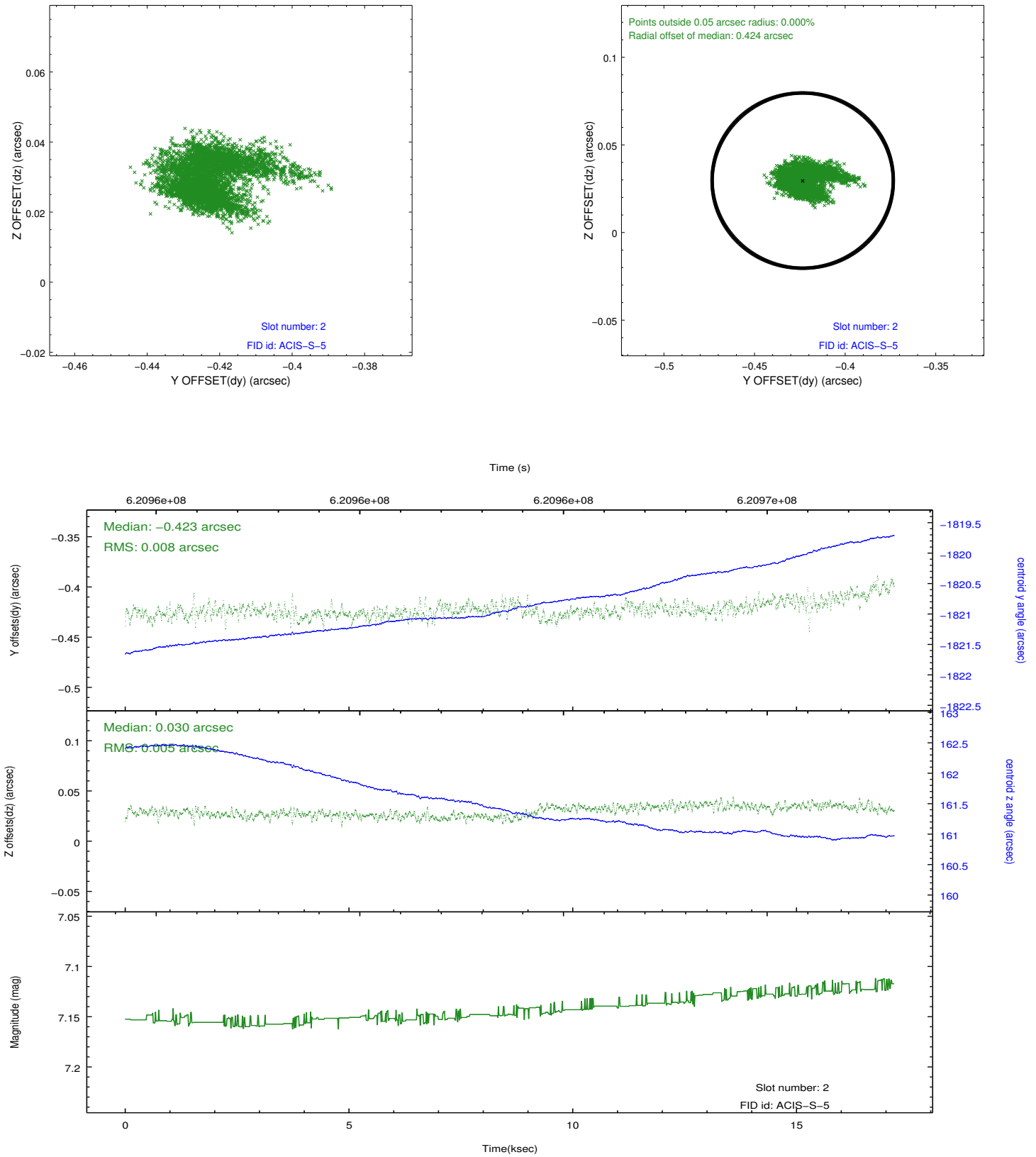
2.5.1 Slot 0



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)	2017.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.069598982453

A.2 Comments