

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3387 - L2 Version 3
Chandra X-Ray Center

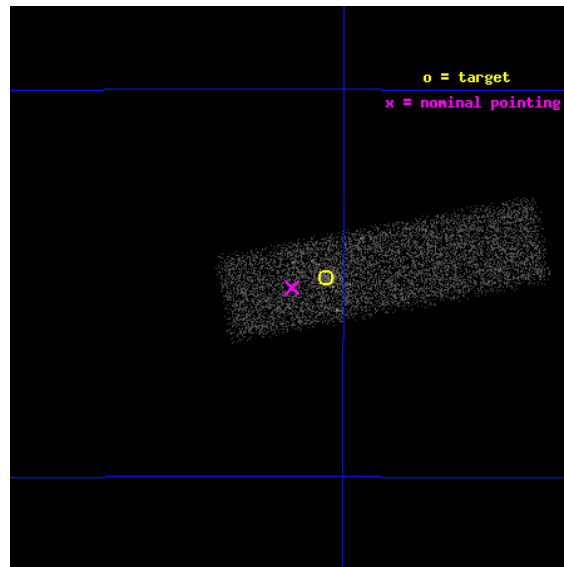
L2 Processing Date : Oct 15 2012

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1 Front

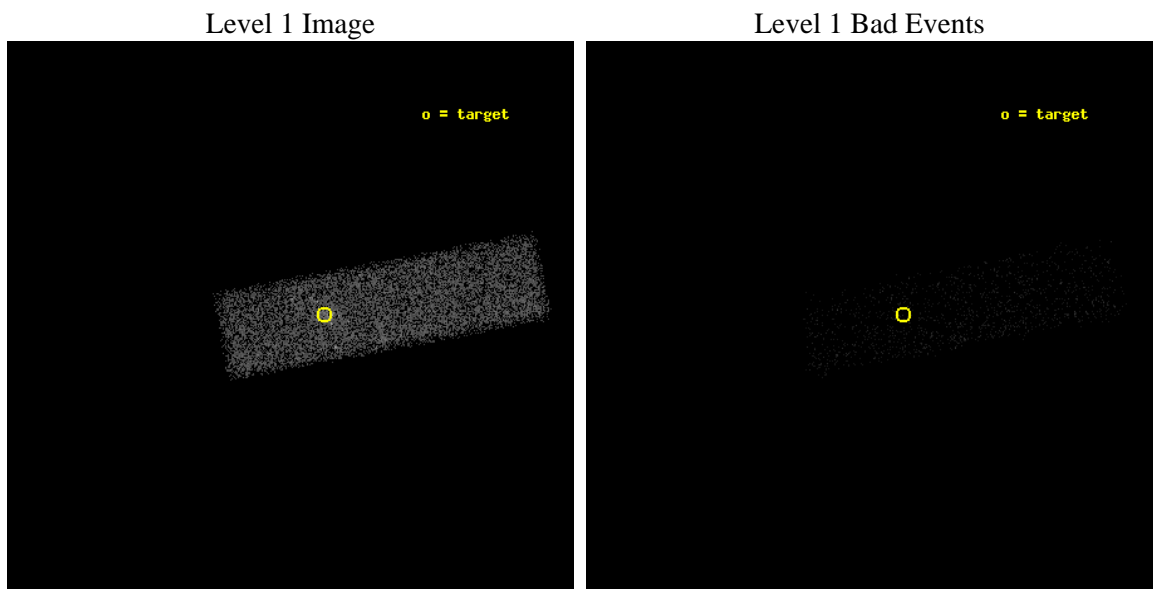
seq_num	400218	Sequence number
obs_id	3387	Observation id
title	COMPLETE COMPACT OBJECT AND BINARY SURVEY OF 47TUC	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	47 TUCANAE	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.024167	Observer's specified target RA [deg]
dec_targ	-72.080889	Observer's specified target Dec [deg]
ra_nom	6.072987434355	Nominal RA [deg]
dec_nom	-72.085436808865	Nominal Dec [deg]
roll_nom	349.20307453607	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6028.8000898361	Sum of GTIs [s]
livetime	5734.6143725256	Livetime [s]
ontime7	6028.8000898361	Sum of GTIs [s]
l2events	11612	Number of level 2 events



2 OBI

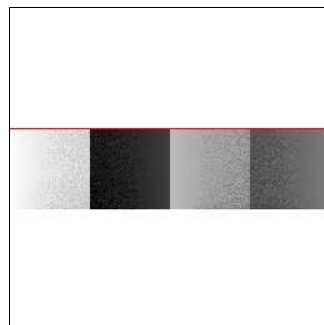
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6028.8000898361	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	6028.8000898361	Sum of GTIs [s]
date	2012-10-15T12:57:28	Date and time of file creation	l1events	19491	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

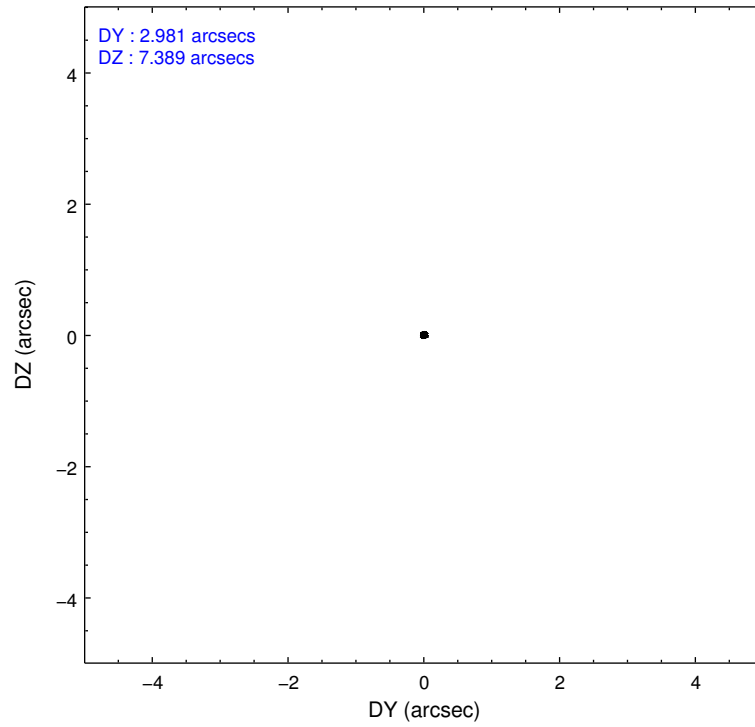
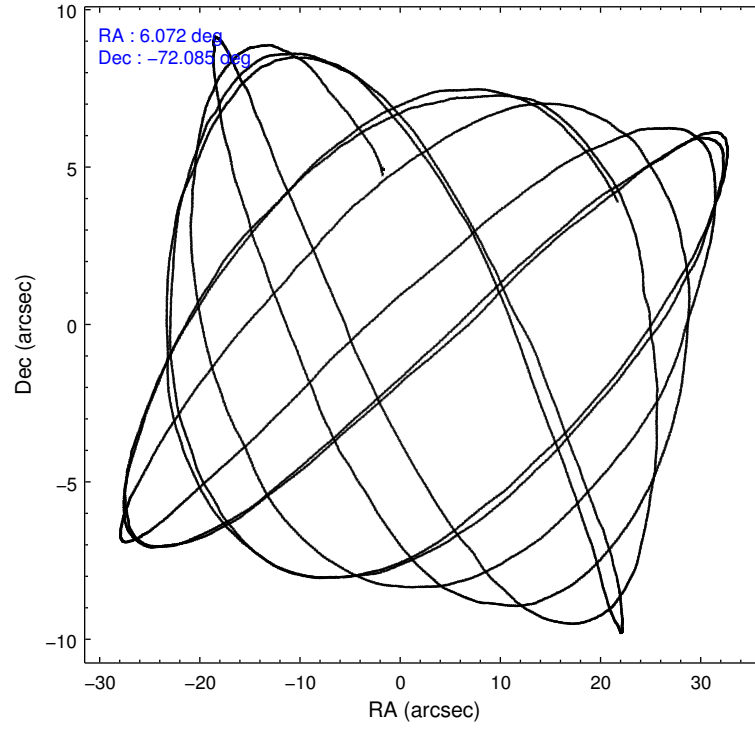
	ccd 7
level 1 events	19491
rejected events	7640
rejected %	39%

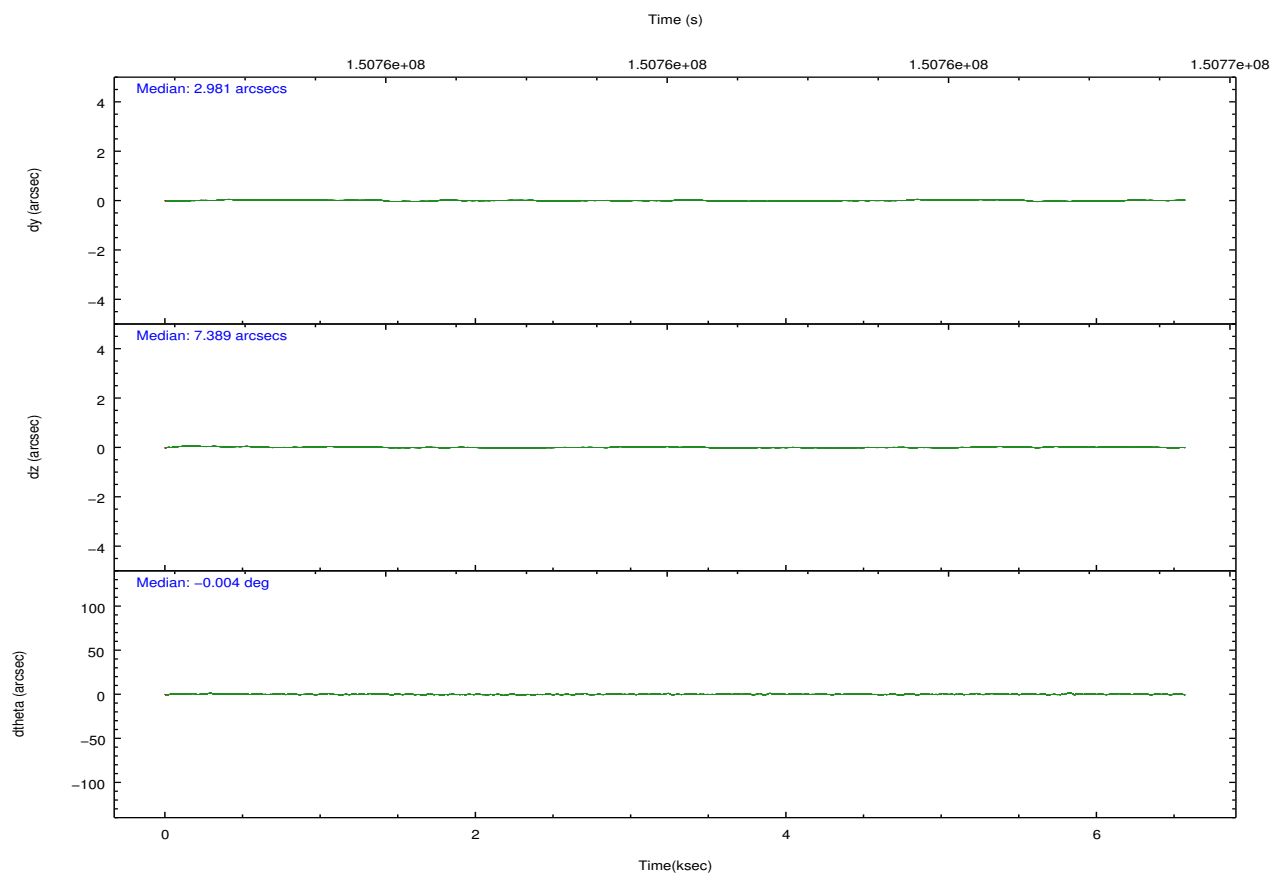
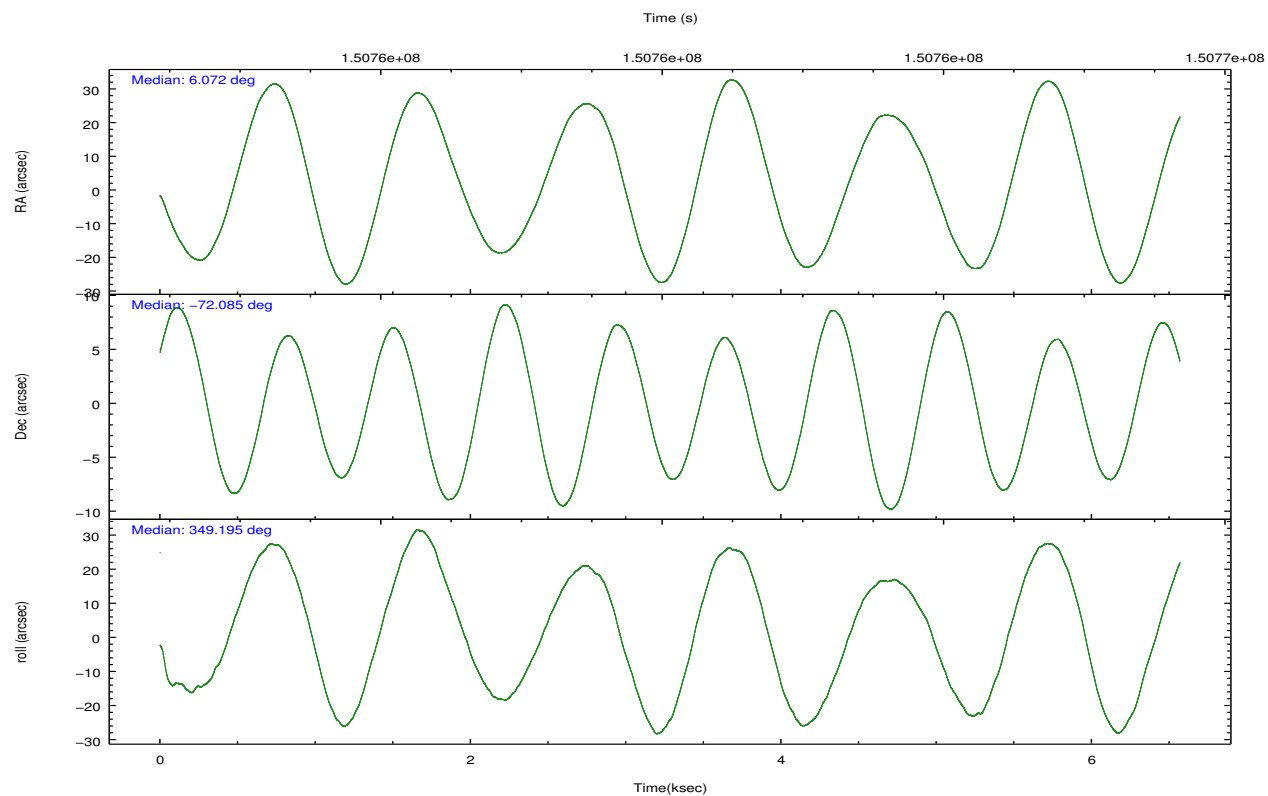
	ccd 7
grade 0 events	1904
	9%
grade 1 events	23
	0%
grade 2 events	2440
	12%
grade 3 events	1220
	6%
grade 4 events	1162
	5%
grade 5 events	1374
	7%
grade 6 events	5126
	26%
grade 7 events	6242
	32%

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	5.989961	6.072987434355034	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.094791	-72.08543680886513	Subarray start row	384	384
[deg] Pointing Roll	348.967451	349.2030745360736	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	150760139.184000	150758592.72548			
Observation start date	2002-10-11T21:47:55	2002-10-11T21:23:12			
[s] Observation end time (MET)	150765339.184000	150766234.6133			
Observation end date	2002-10-11T23:14:35	2002-10-11T23:30:34			
Read mode	TIMED	TIMED			

2.3 Aspect



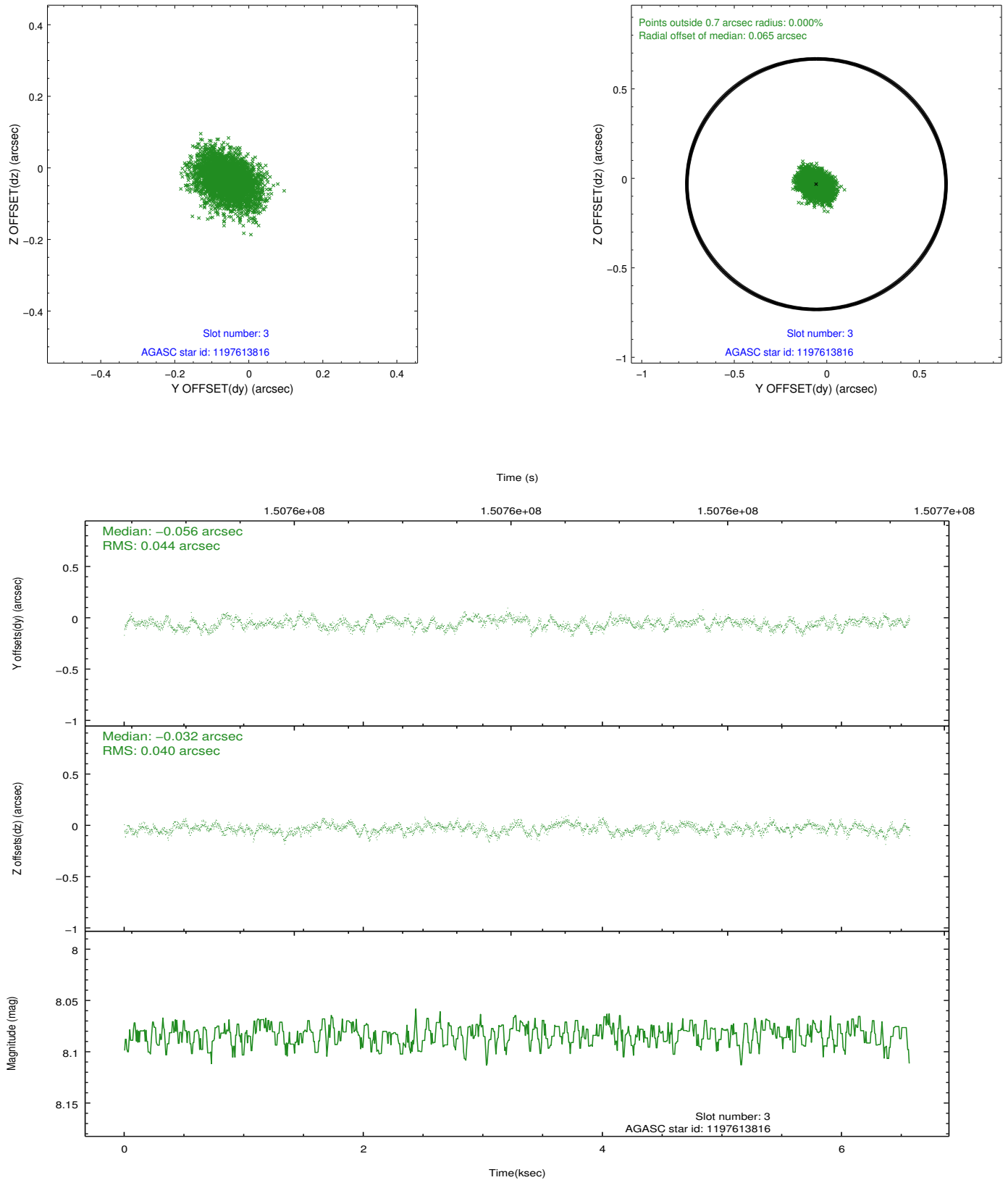


Slot Statistics

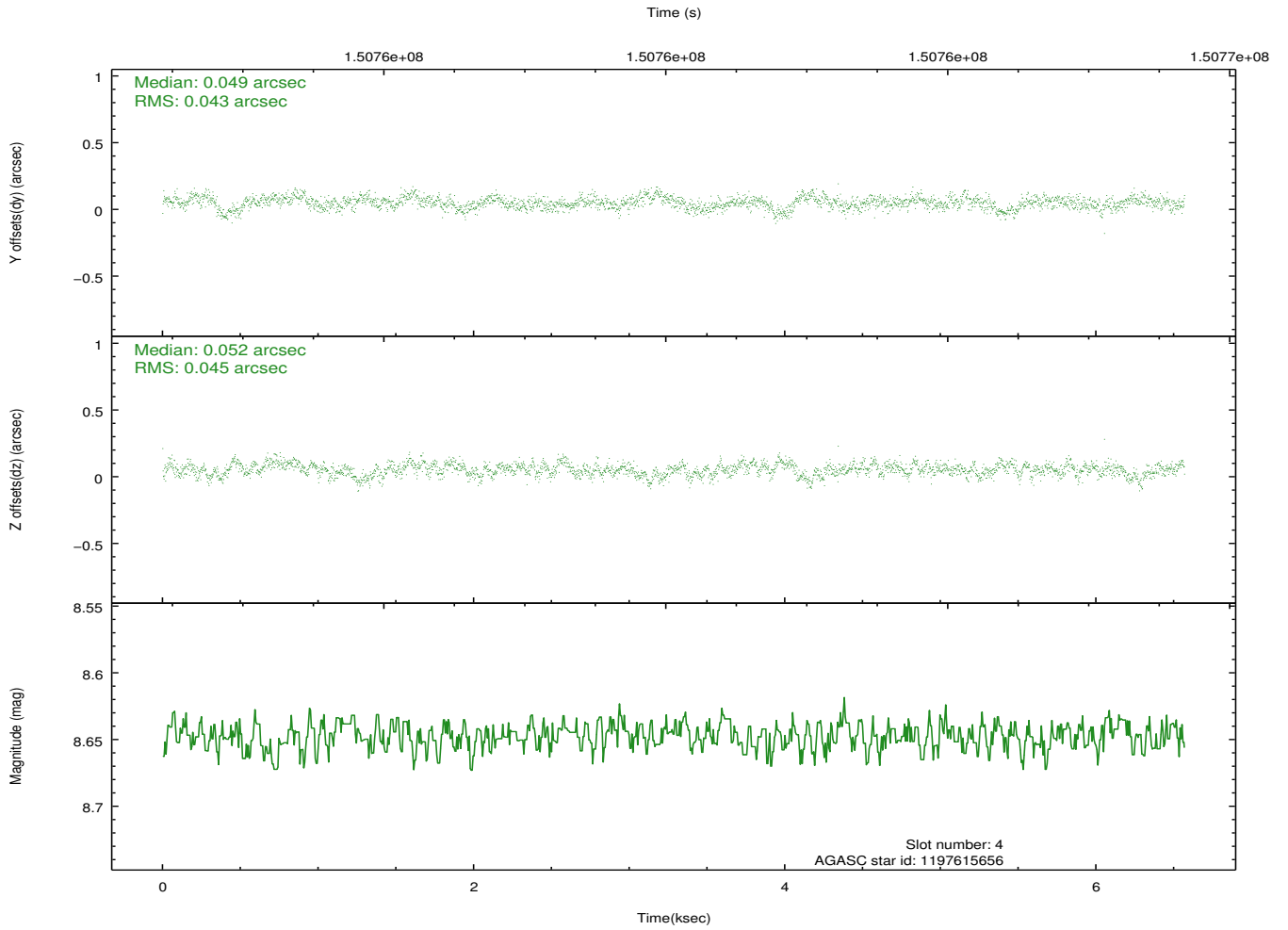
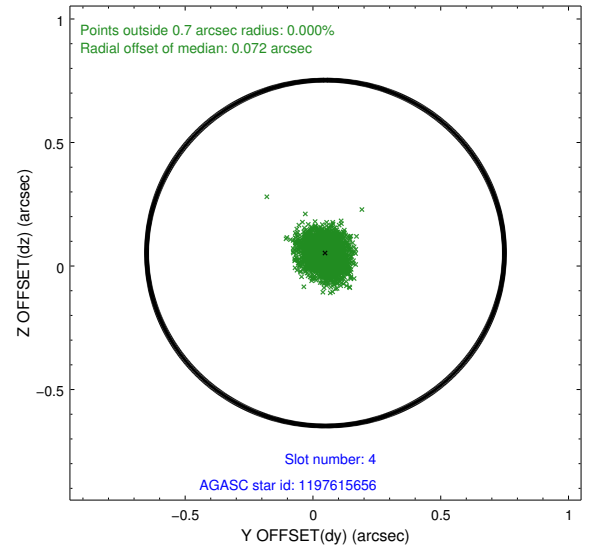
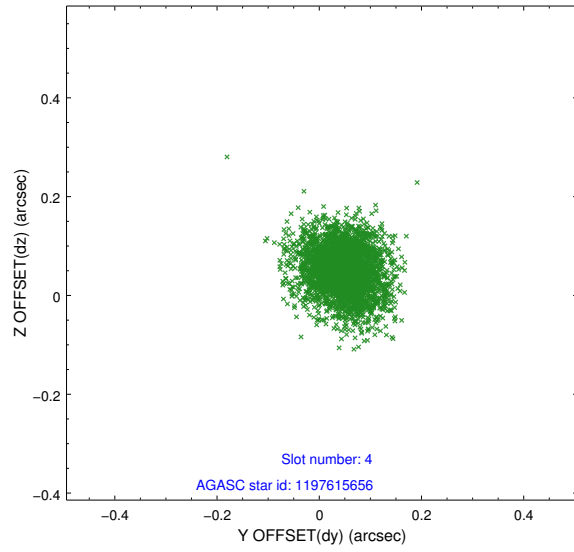
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1603	-0.014	0.000	0.007	0.011	0.000000	0.000000	-755.64	-1728.57
1	FID	ACIS-S-4	7.20	1603	-0.002	0.007	0.006	0.010	0.000000	0.000000	2157.25	179.00
2	FID	ACIS-S-5	7.24	1603	-0.015	0.002	0.007	0.012	0.000000	0.000000	-1807.34	173.69
3	GUIDE	1197613816	8.08	3205	-0.056	-0.032	0.064	0.103	5.181461	-71.977993	-961.90	234.62
4	GUIDE	1197615656	8.65	3205	0.049	0.052	0.065	0.111	6.909375	-71.882658	866.42	939.32
5	GUIDE	1197999176	8.84	3205	0.007	-0.022	0.120	0.175	6.259352	-72.617840	646.63	-1792.80
6	GUIDE	1197624848	9.72	3200	0.022	0.075	0.139	0.231	4.678747	-71.378615	-1968.55	2225.67
7	GUIDE	1197619752	9.99	3183	-0.025	-0.085	0.195	0.320	4.510721	-71.856694	-1786.80	504.61

2.4 Star Slots

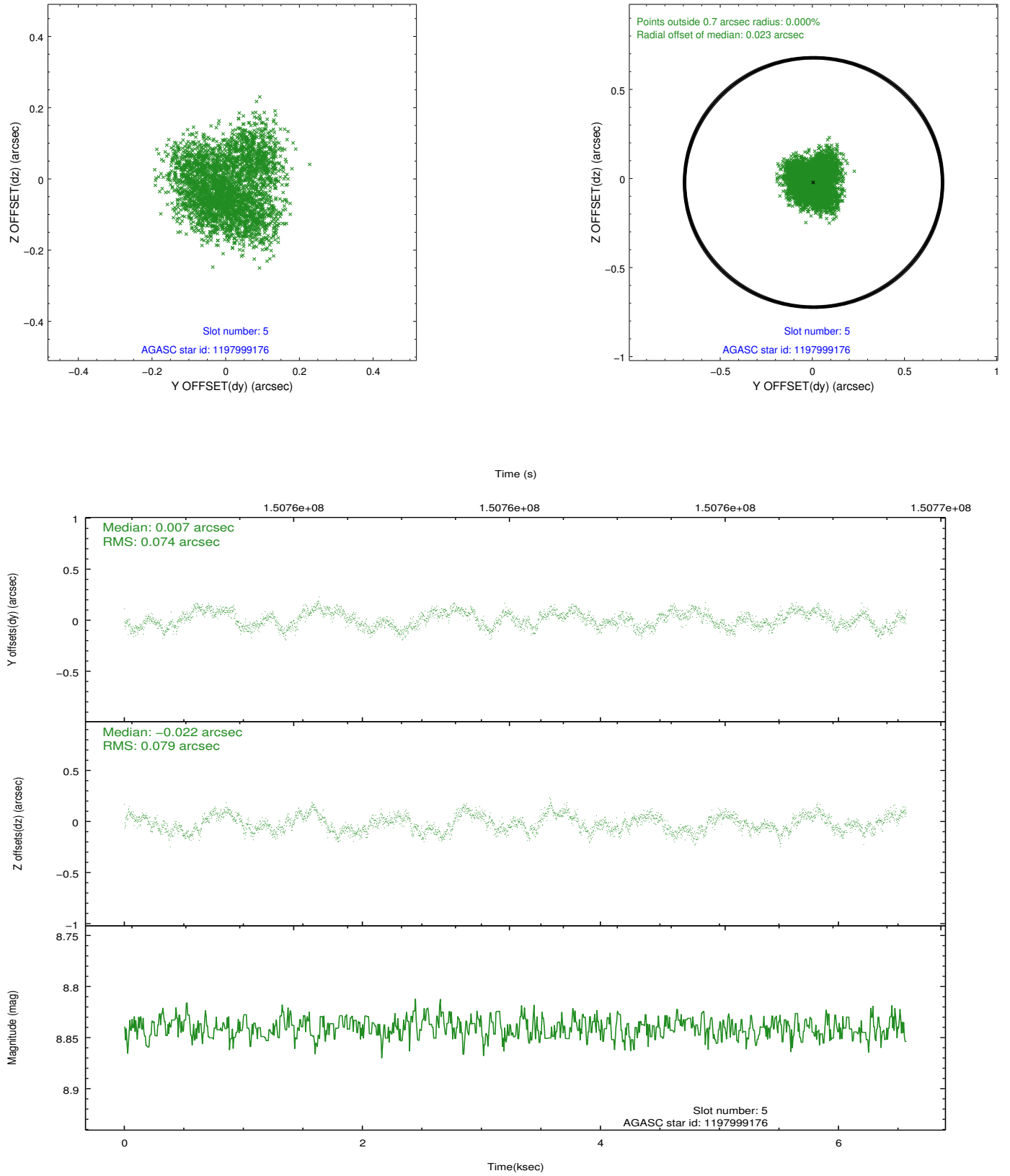
2.4.1 Slot 3



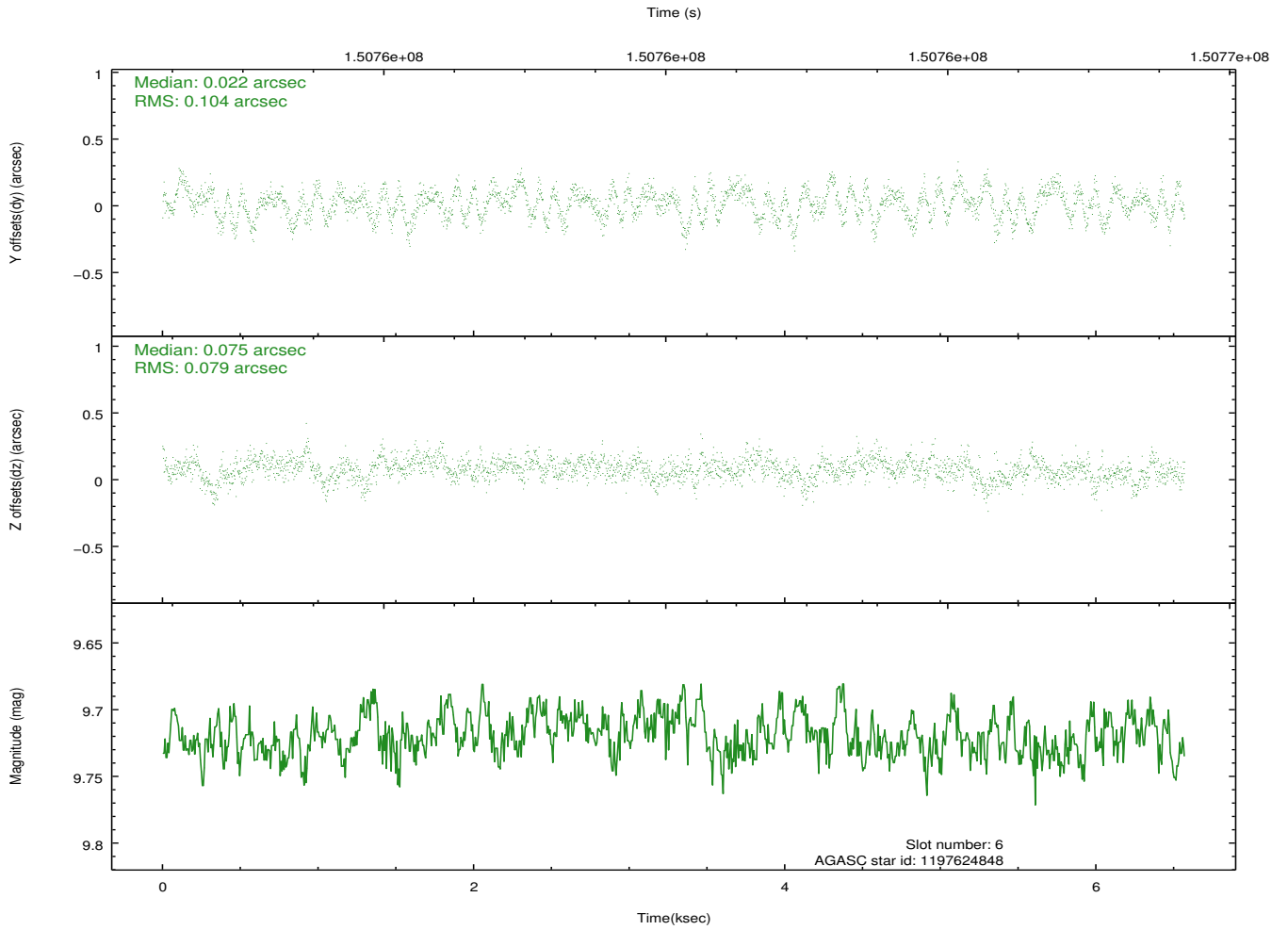
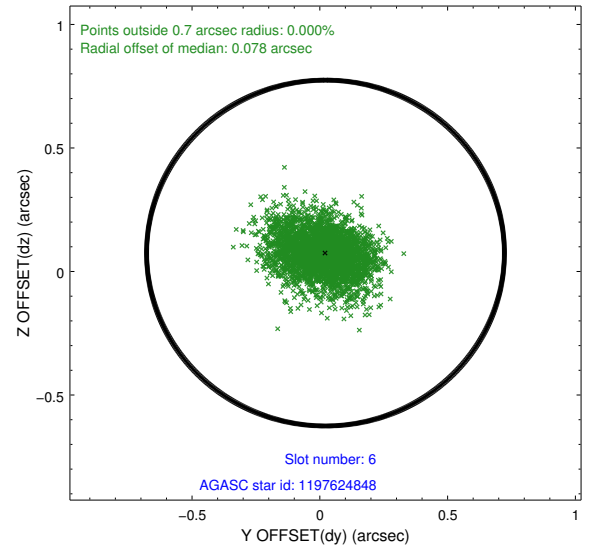
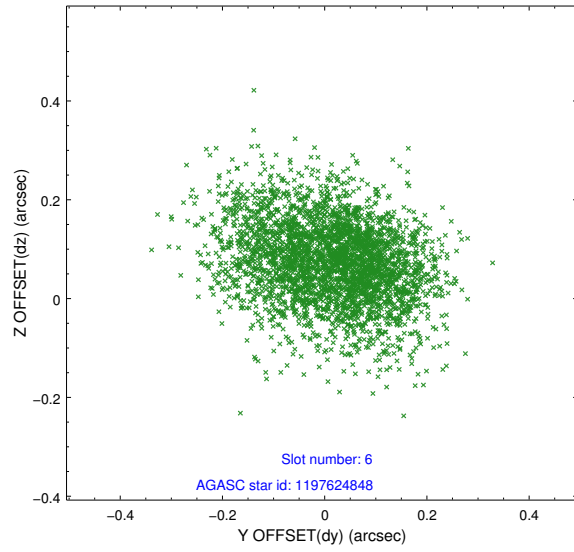
2.4.2 Slot 4



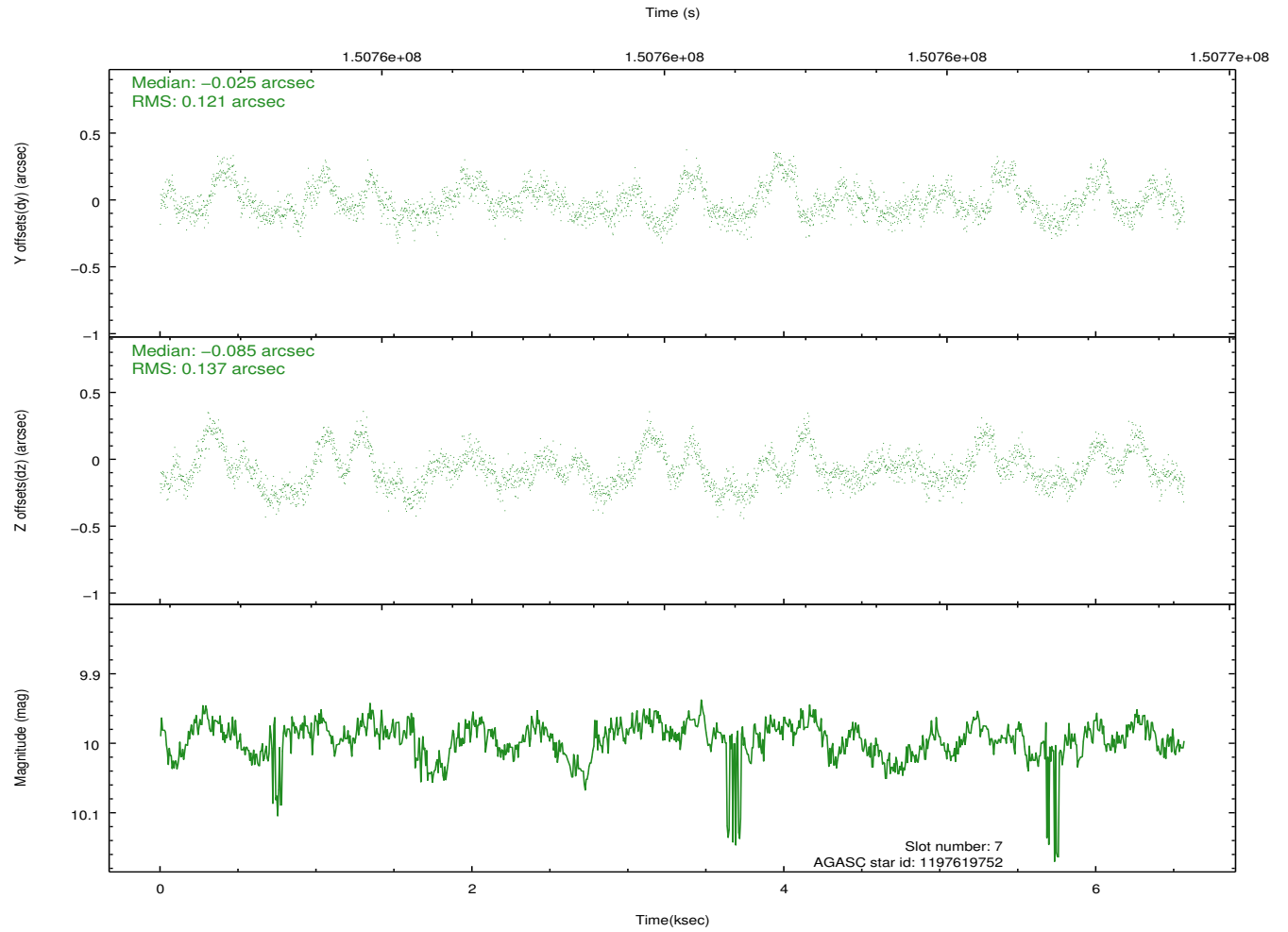
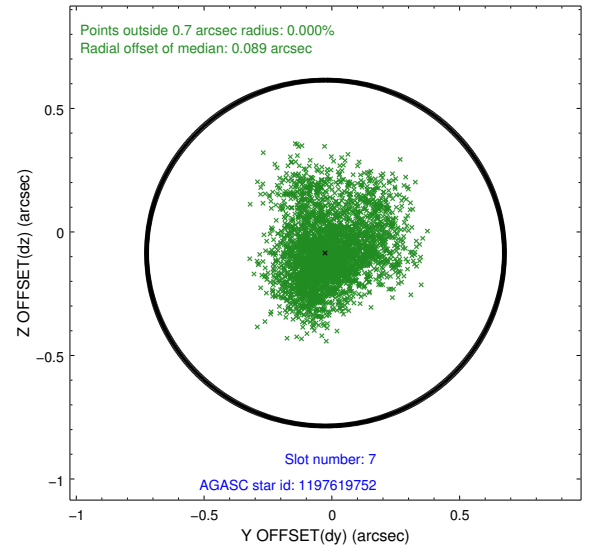
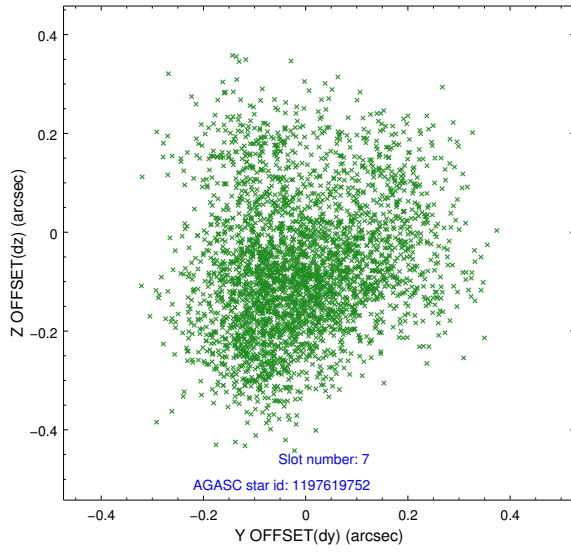
2.4.3 Slot 5



2.4.4 Slot 6

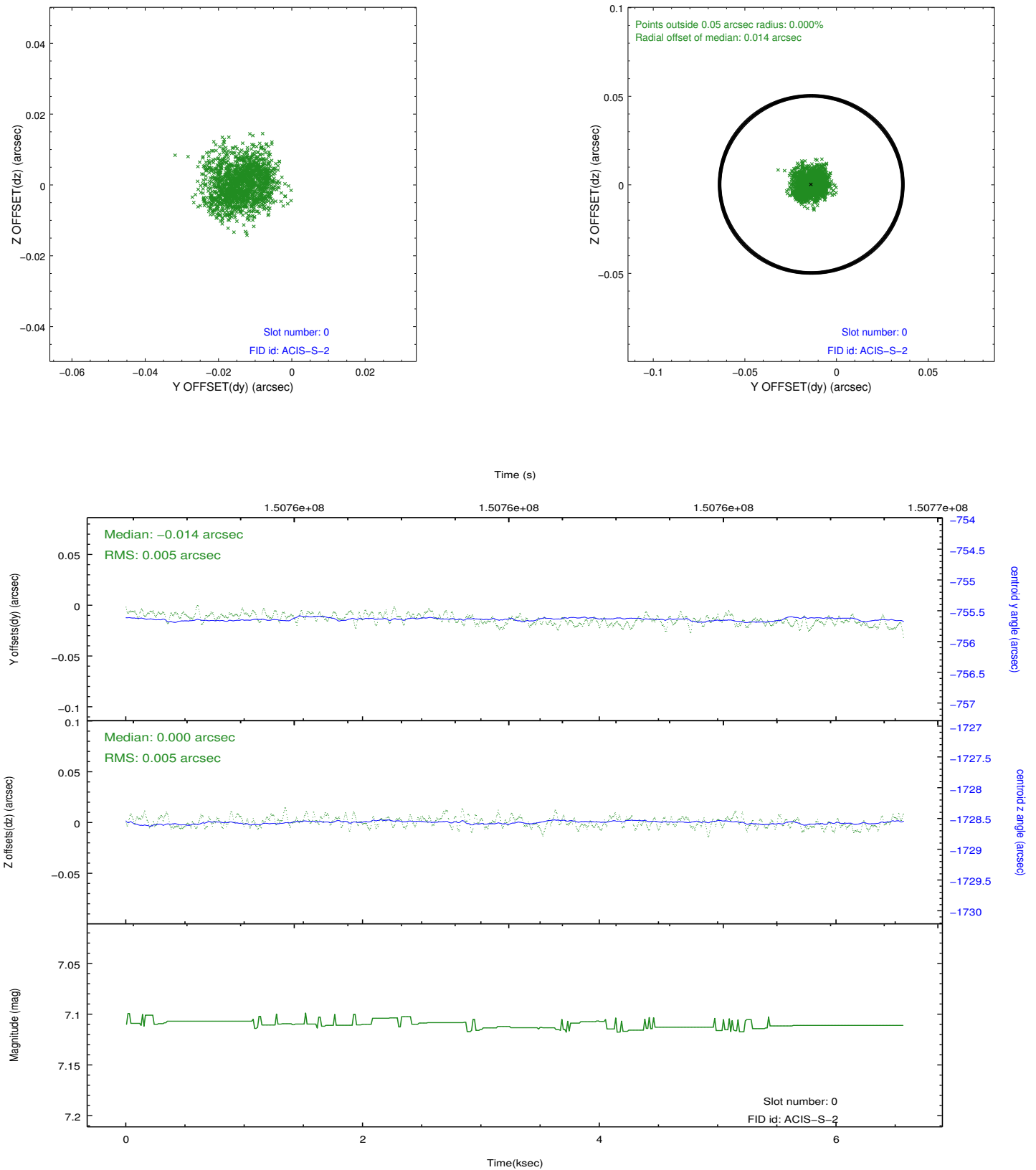


2.4.5 Slot 7

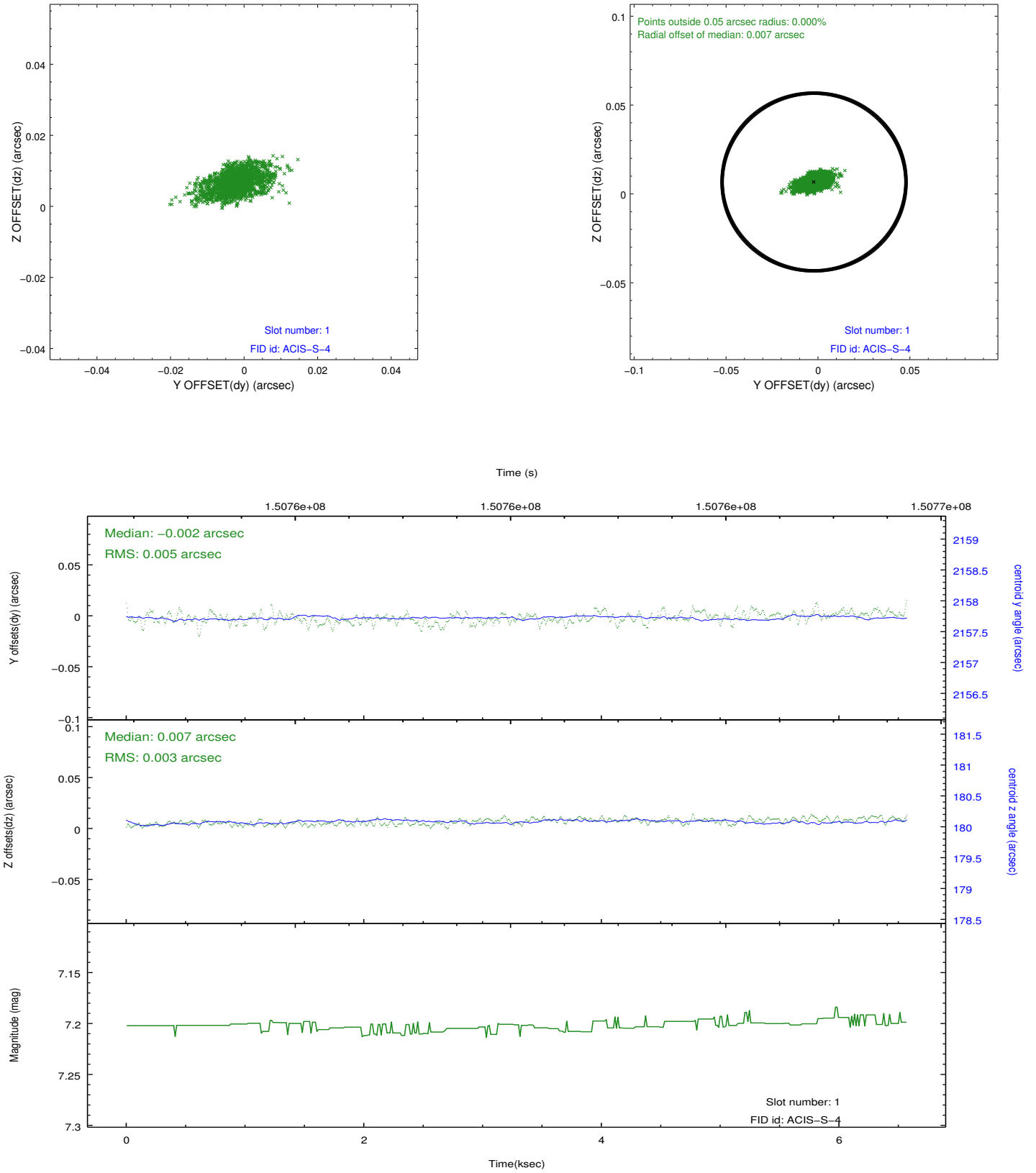


2.5 FID Slots

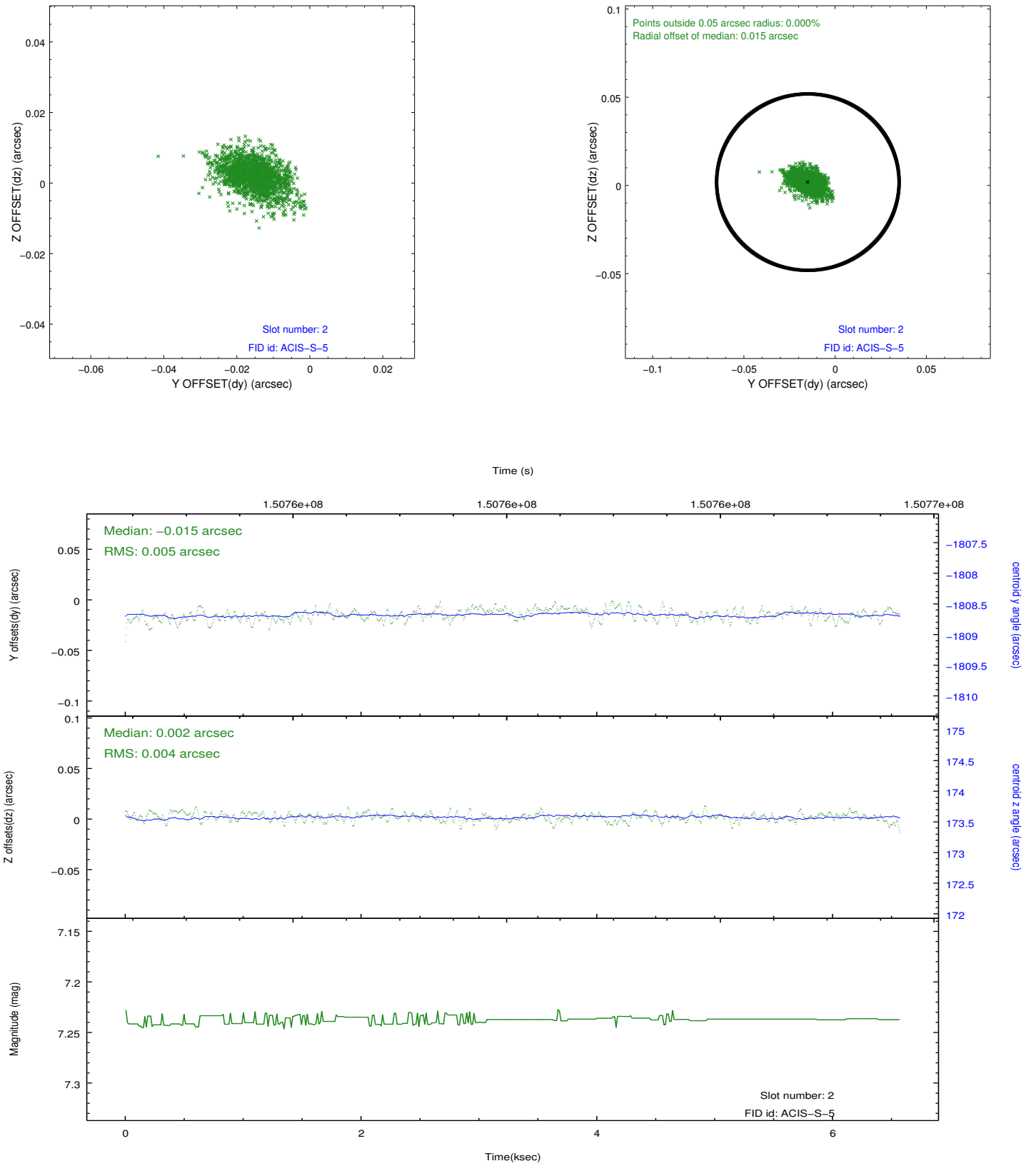
2.5.1 Slot 0



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)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.029

A.2 Comments

Joint proposal with HST.