

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14261 - L2 Version 1
Chandra X-Ray Center

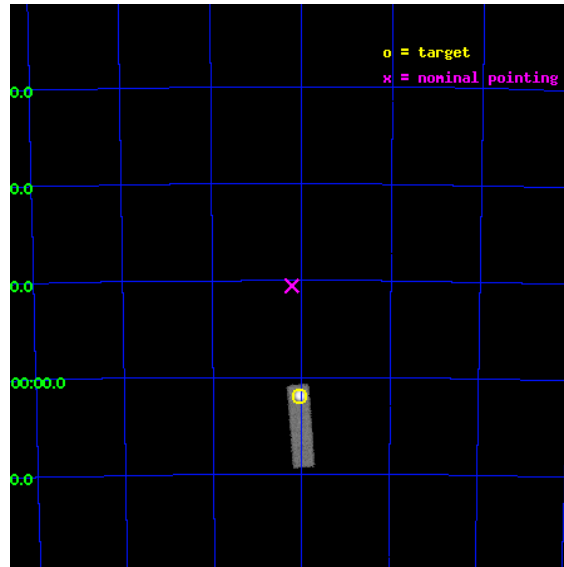
L2 Processing Date : Jan 17 2012

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1 Front

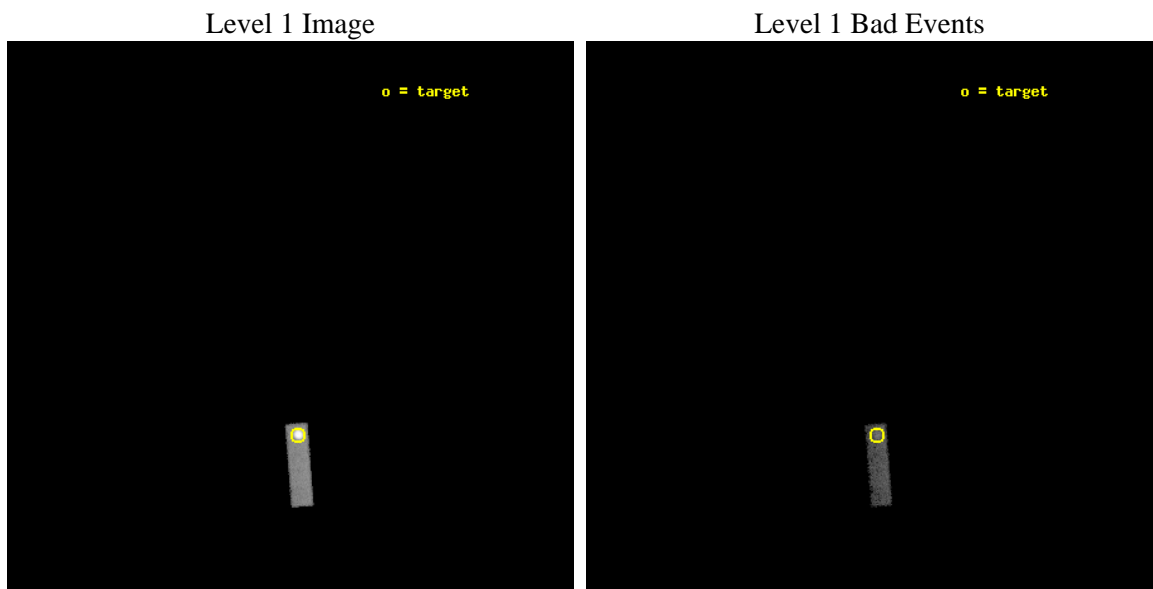
seq_num	590514	Sequence number
obs_id	14261	Observation id
title	AO-13 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72 S2,-120,11.50,0,8.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.054385749749	Nominal RA [deg]
dec_nom	-71.842496636678	Nominal Dec [deg]
roll_nom	265.5269303036	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10027.697737038	Sum of GTIs [s]
livetime	9538.3788994941	Livetime [s]
ontime5	10027.697737038	Sum of GTIs [s]
l2events	44948	Number of level 2 events



2 OBI

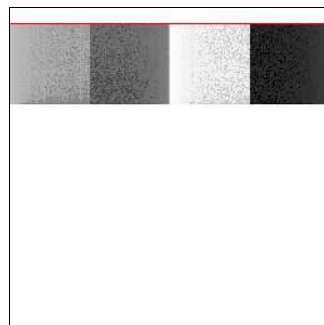
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 5



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10027.697737038	Sum of GTIs [s]
caldsver	4.4.7	 	ontime5	10027.697737038	Sum of GTIs [s]
date	2012-01-17T14:29:14	Date and time of file creation	l1events	56225	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

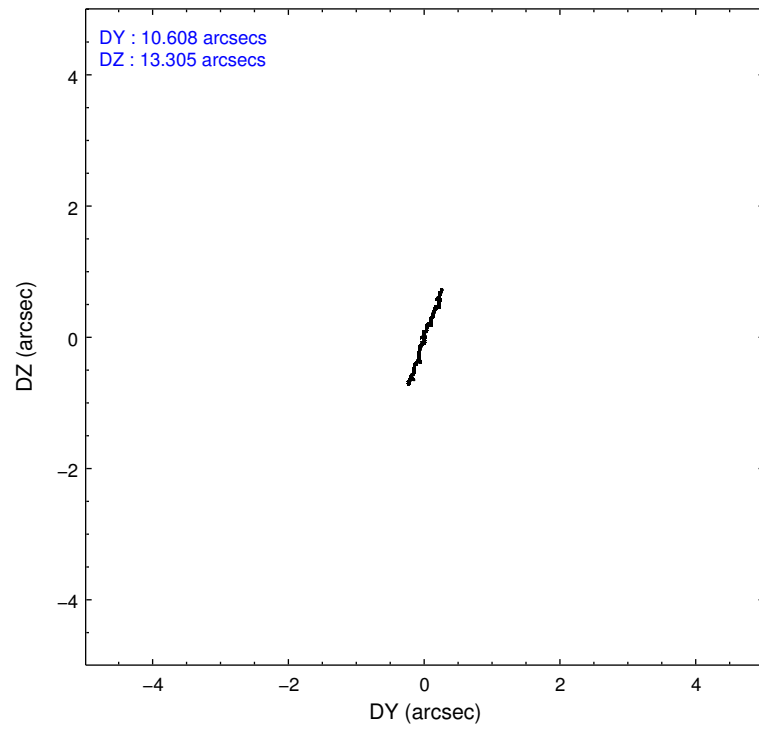
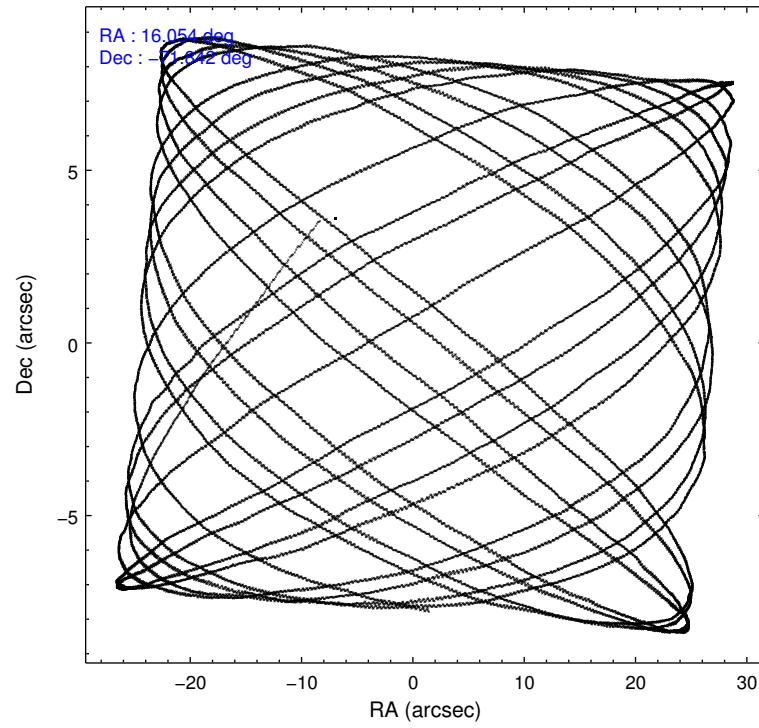
	ccd 5
level 1 events	56225
rejected events	11047
rejected %	19%

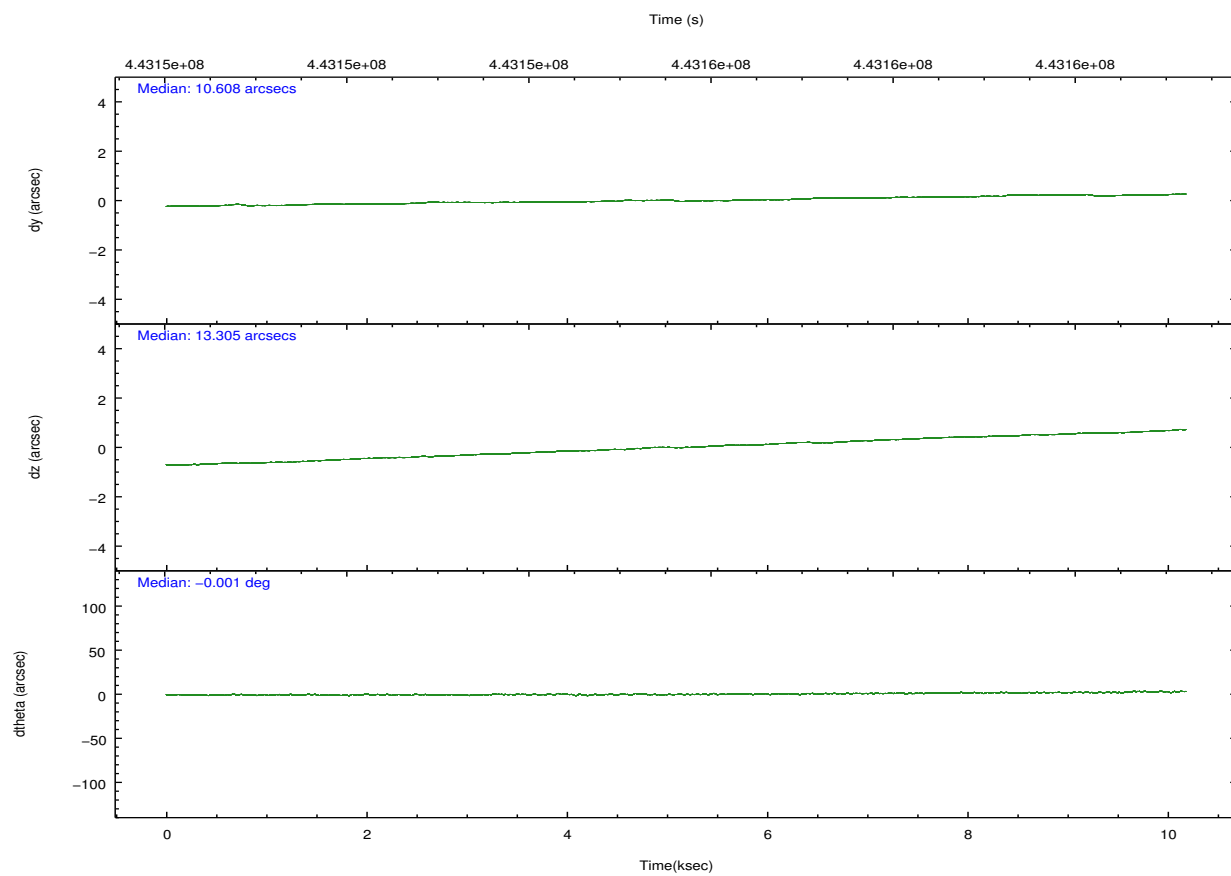
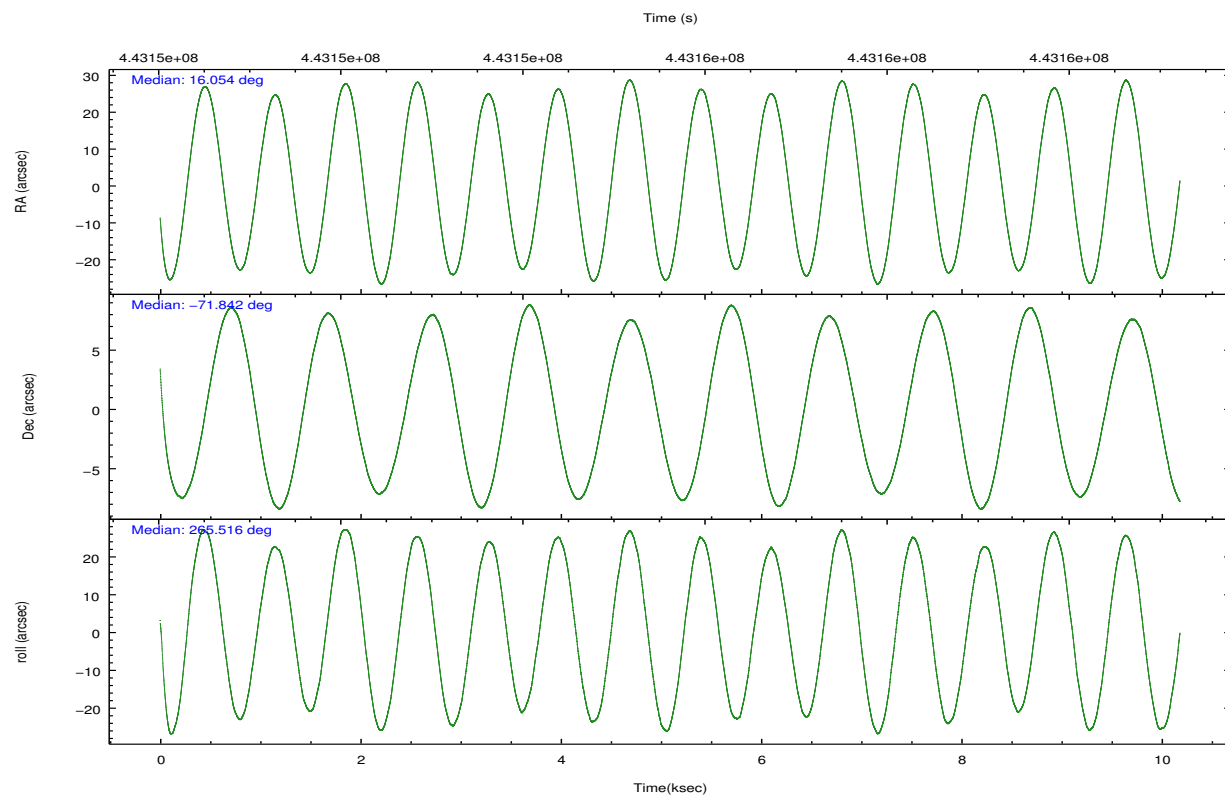
	ccd 5
grade 0 events	16262
	28%
grade 1 events	104
	0%
grade 2 events	13217
	23%
grade 3 events	3561
	6%
grade 4 events	3584
	6%
grade 5 events	2261
	4%
grade 6 events	8563
	15%
grade 7 events	8673
	15%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5	ACIS-5	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	16.015703	16.05438574974942	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-71.817962	-71.84249663667801	Subarray start row	720	720
[deg] Pointing Roll	265.333535	265.5269303035973	Subarray row count	256	256
[s] Window start time (MET)	439084866.184000	439084866.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	452131266.184000	452131266.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-198.932523	-198.9326266594272			
[mm] SIM translation stage offset	8.8000000000000001	8.800104076419387			
[s] Observation start time (MET)	443150704.184000	443149342.20659			
Observation start date	2012-01-17T01:23:58	2012-01-17T01:02:22			
[s] Observation end time (MET)	443160704.184000	443161488.96973			
Observation end date	2012-01-17T04:10:38	2012-01-17T04:24:48			
Read mode	TIMED	TIMED			

2.3 Aspect



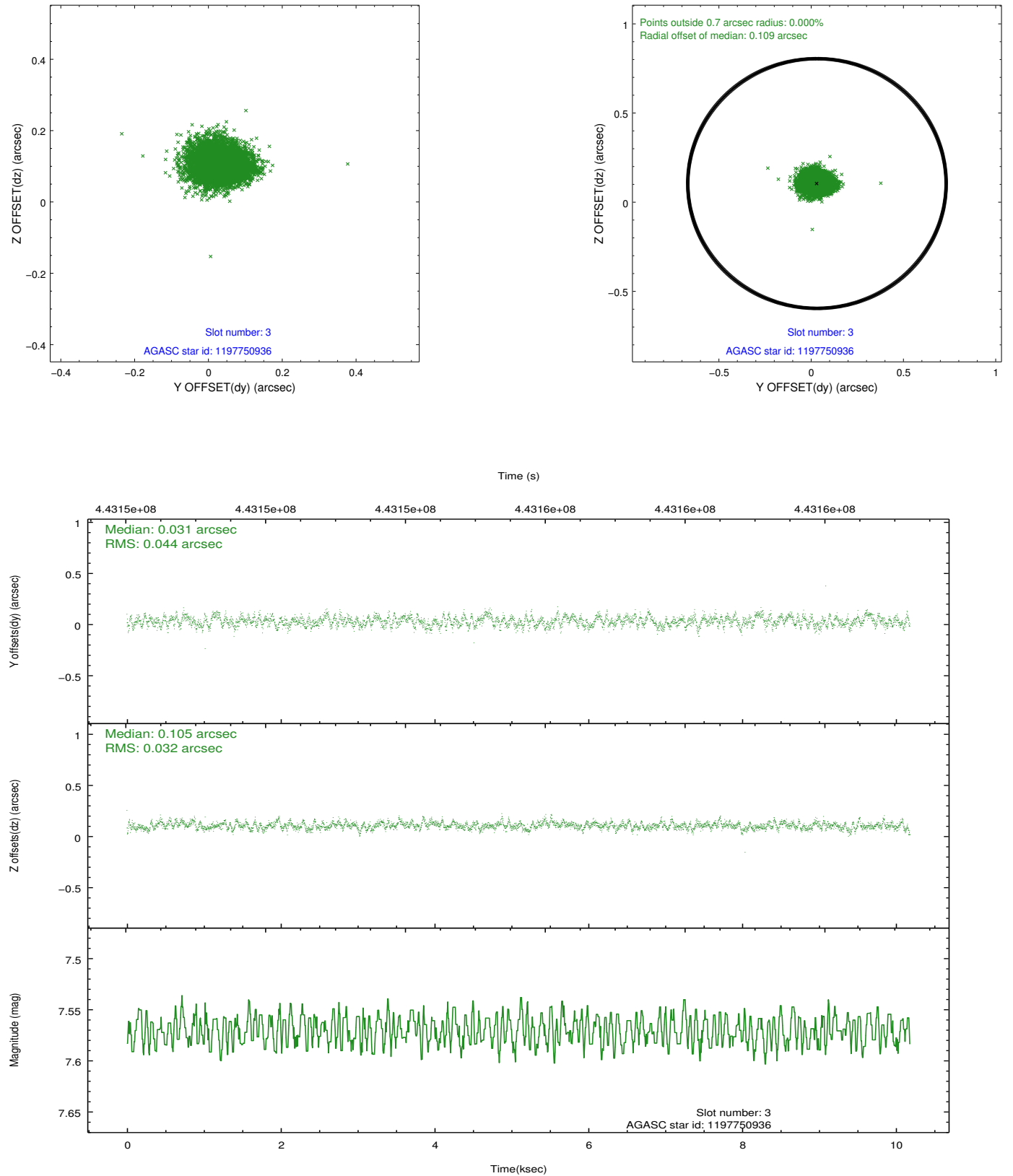


Slot Statistics

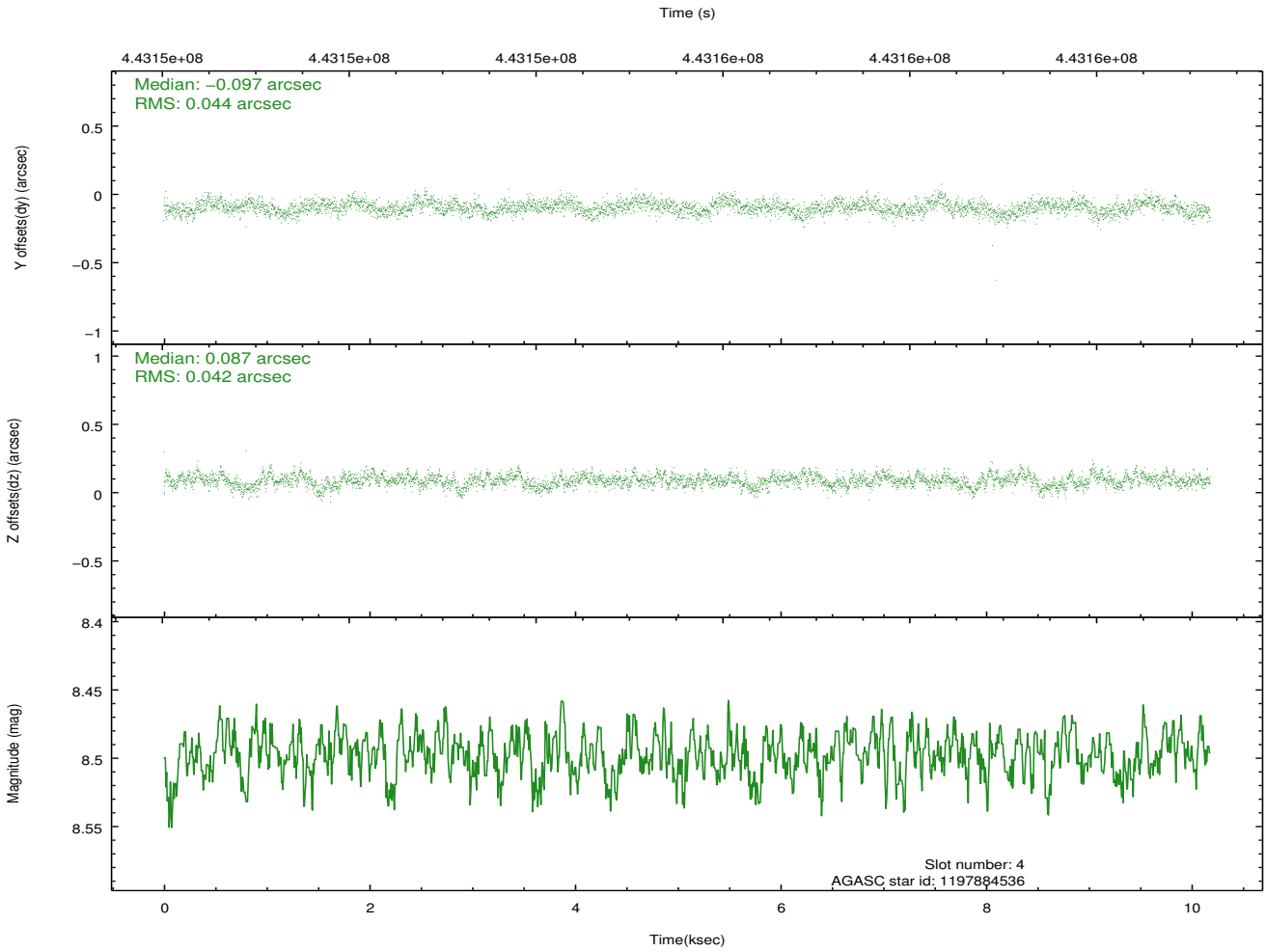
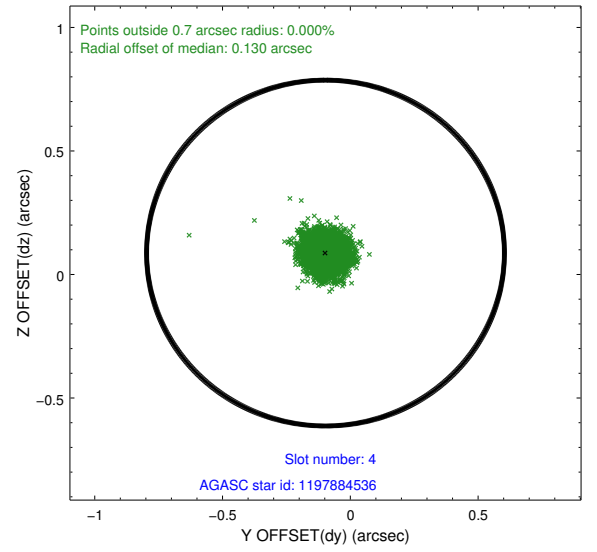
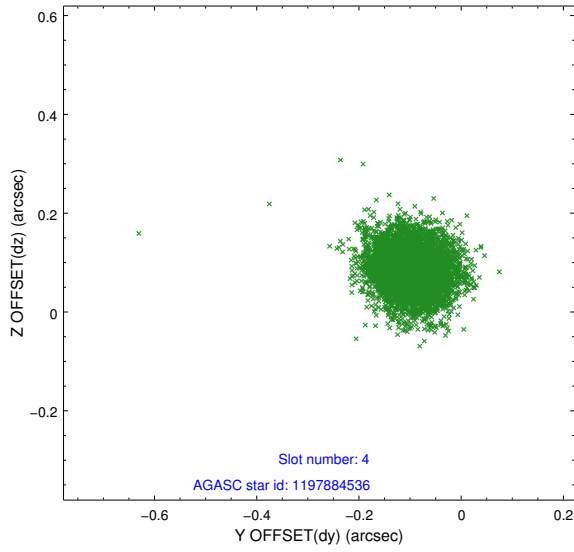
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.07	2484	-0.010	0.078	0.019	0.028	0.000000	0.000000	-764.10	-1553.16
1	FID	ACIS-S-4	7.14	2484	0.165	-0.016	0.017	0.025	0.000000	0.000000	2149.22	354.63
2	FID	ACIS-S-5	7.14	2484	-0.187	-0.053	0.010	0.019	0.000000	0.000000	-1816.35	349.06
3	GUIDE	1197750936	7.57	4968	0.031	0.105	0.058	0.092	15.387940	-71.549550	-900.25	-790.94
4	GUIDE	1197884536	8.50	4965	-0.097	0.087	0.065	0.104	17.160729	-71.835289	-30.46	1286.82
5	GUIDE	1197884712	8.30	4967	0.044	-0.096	0.079	0.125	16.087398	-72.252690	1553.81	206.36
6	GUIDE	1197885104	9.34	4954	-0.028	0.024	0.107	0.168	17.845067	-72.189368	1200.25	2118.69
7	GUIDE	1197885328	7.24	4967	0.048	-0.119	0.069	0.110	16.283090	-71.733943	-325.50	277.71

2.4 Star Slots

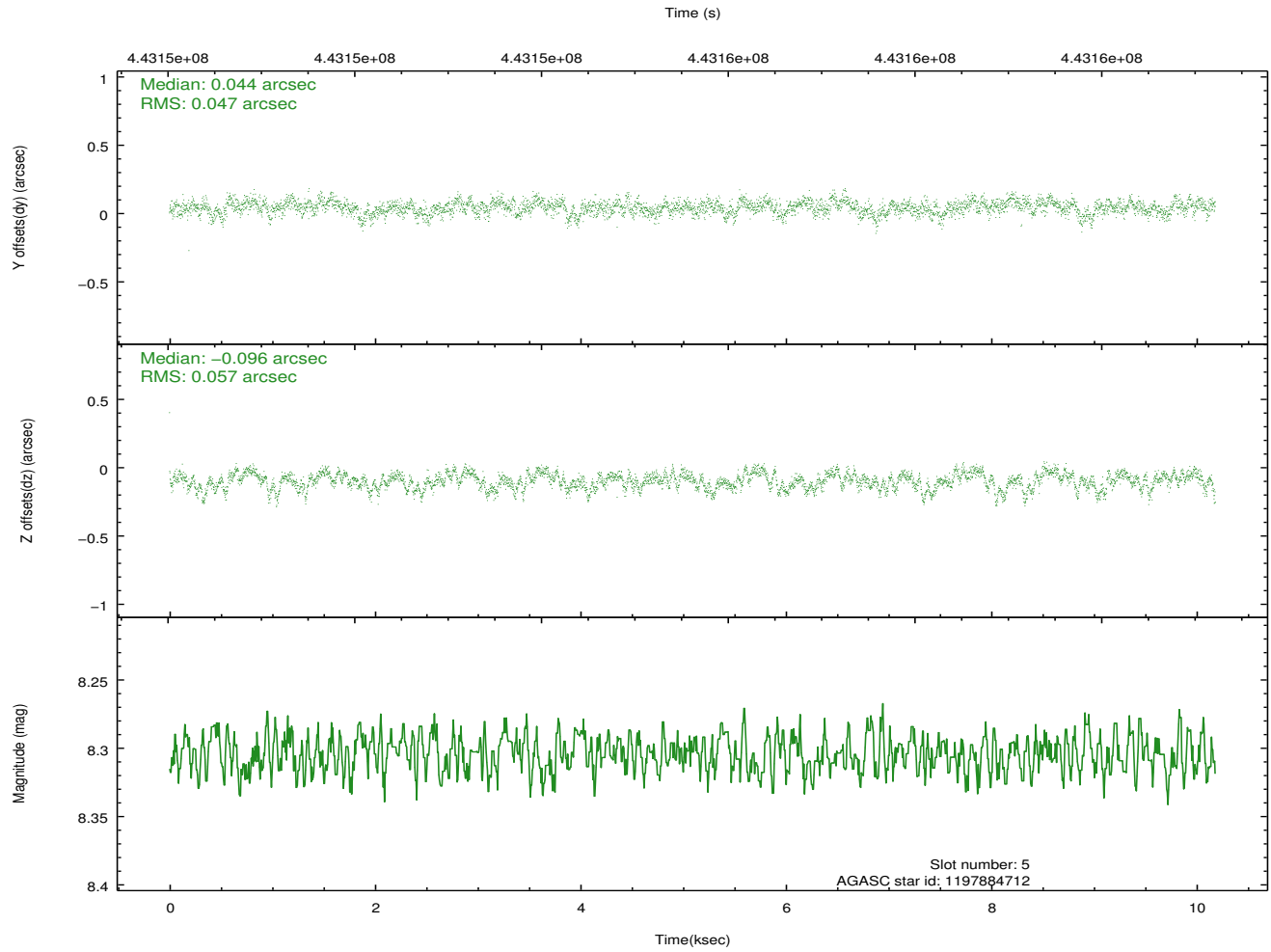
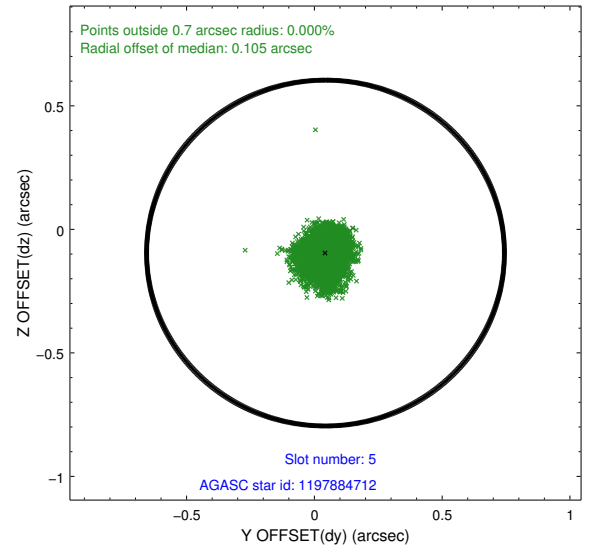
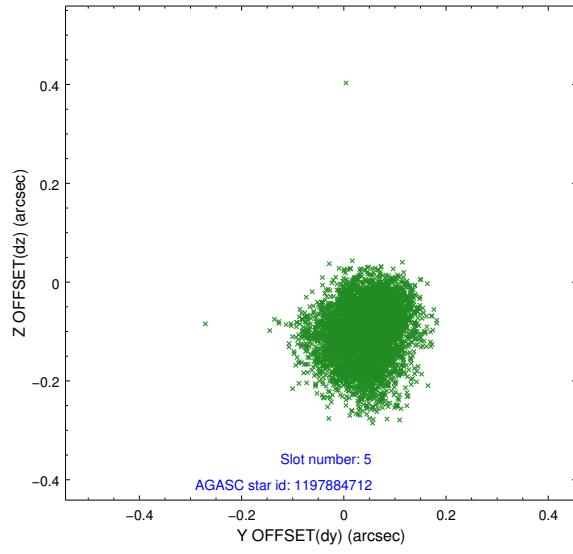
2.4.1 Slot 3



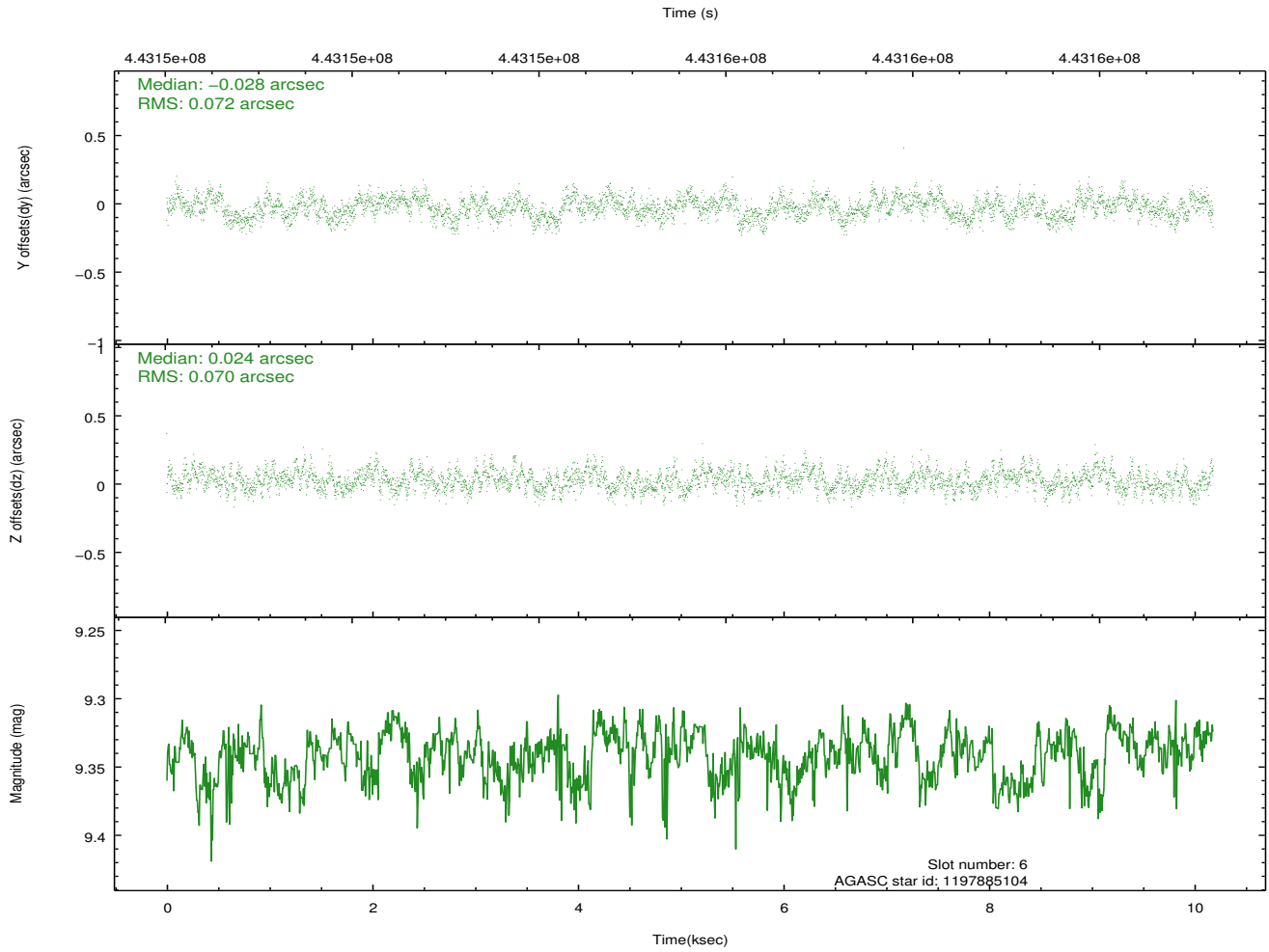
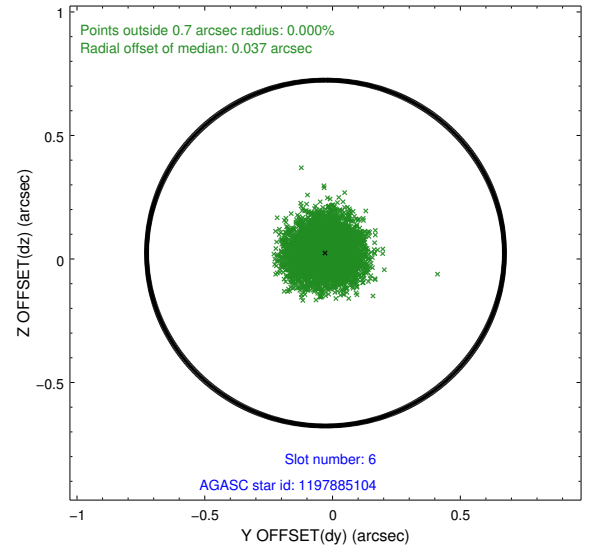
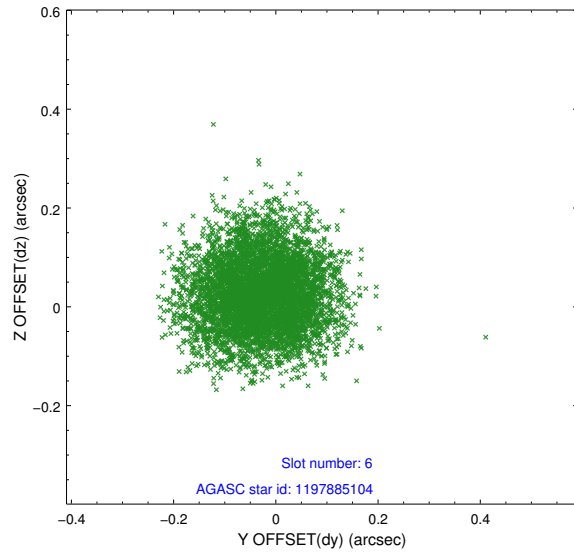
2.4.2 Slot 4



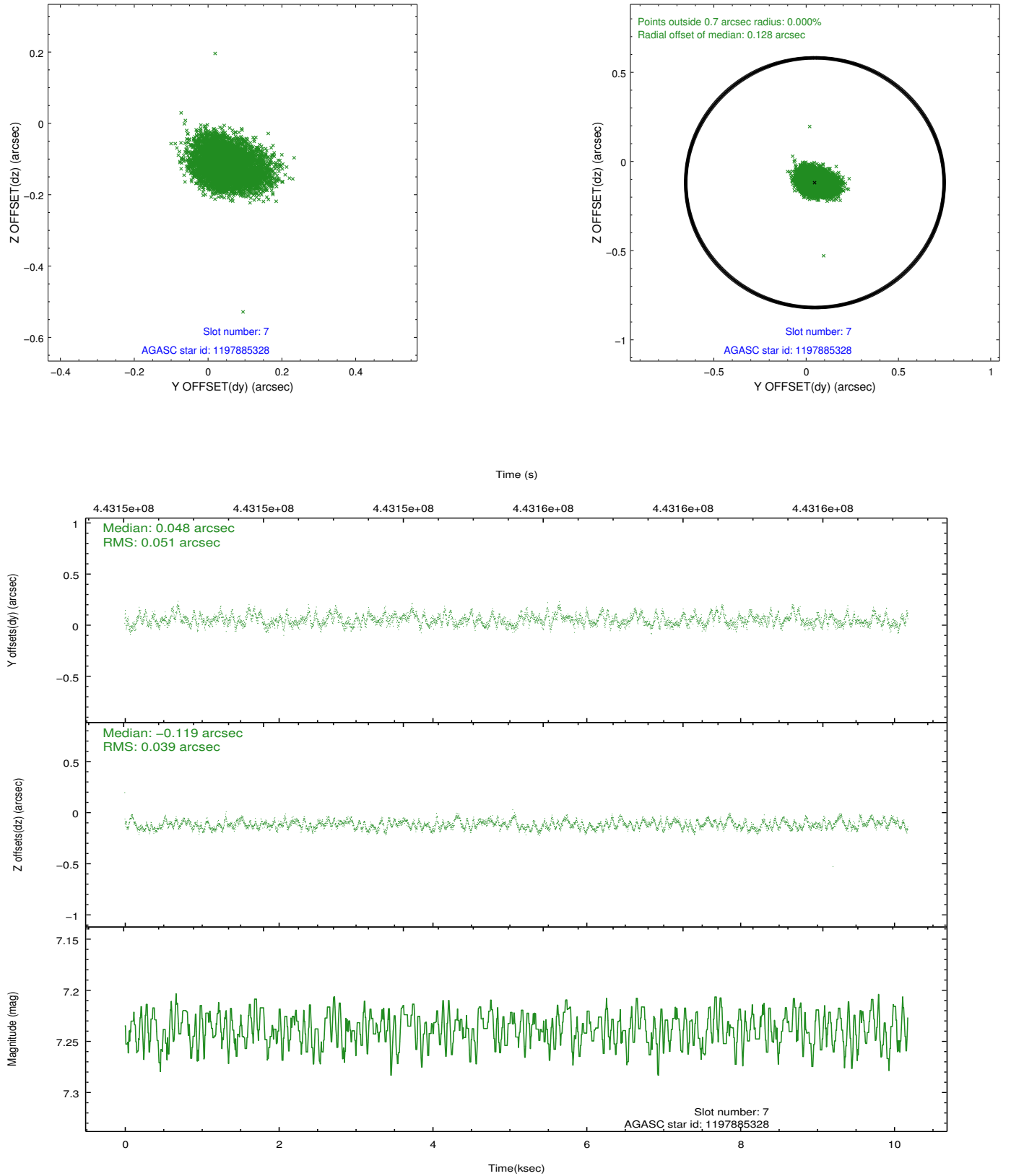
2.4.3 Slot 5



2.4.4 Slot 6

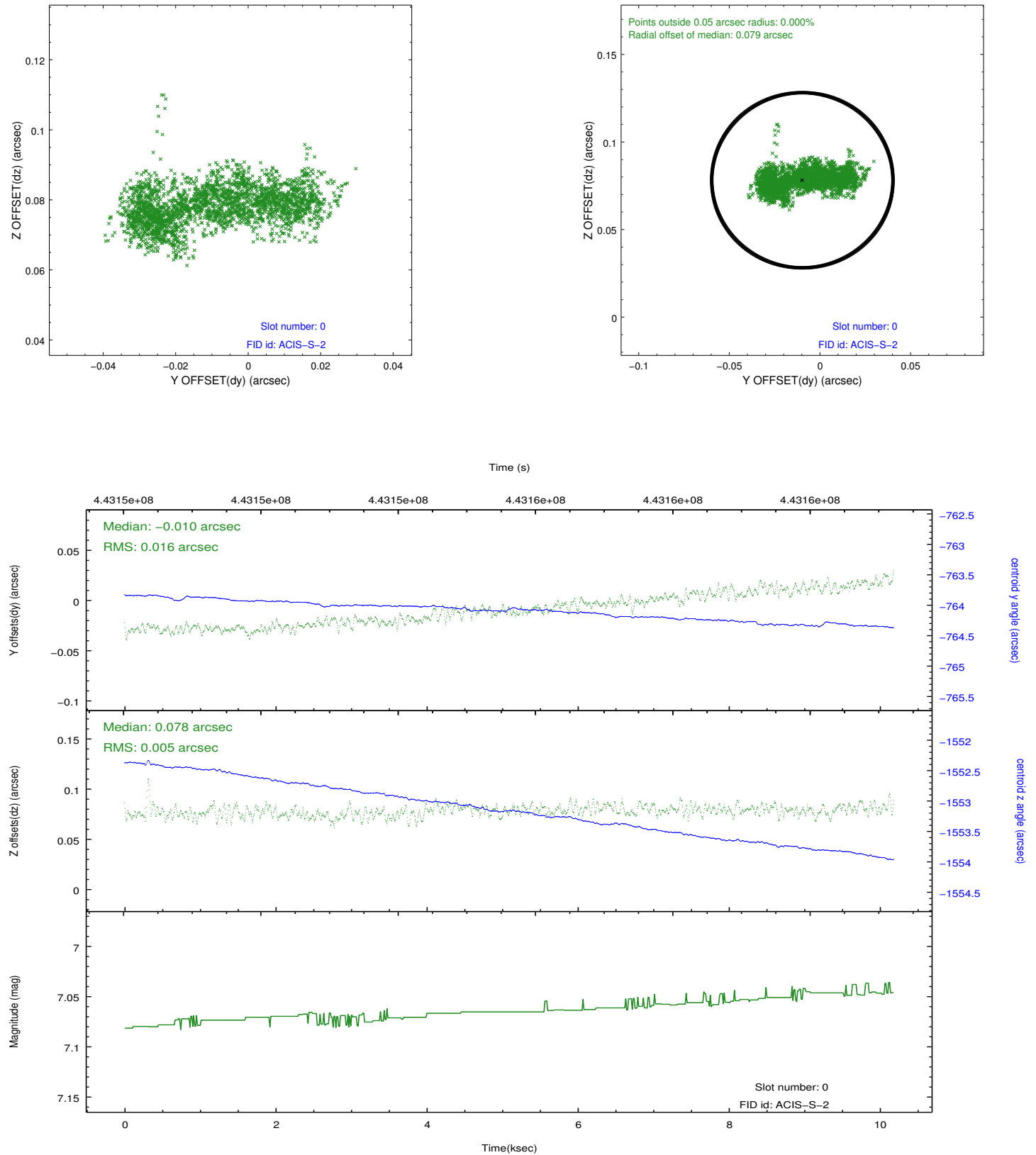


2.4.5 Slot 7

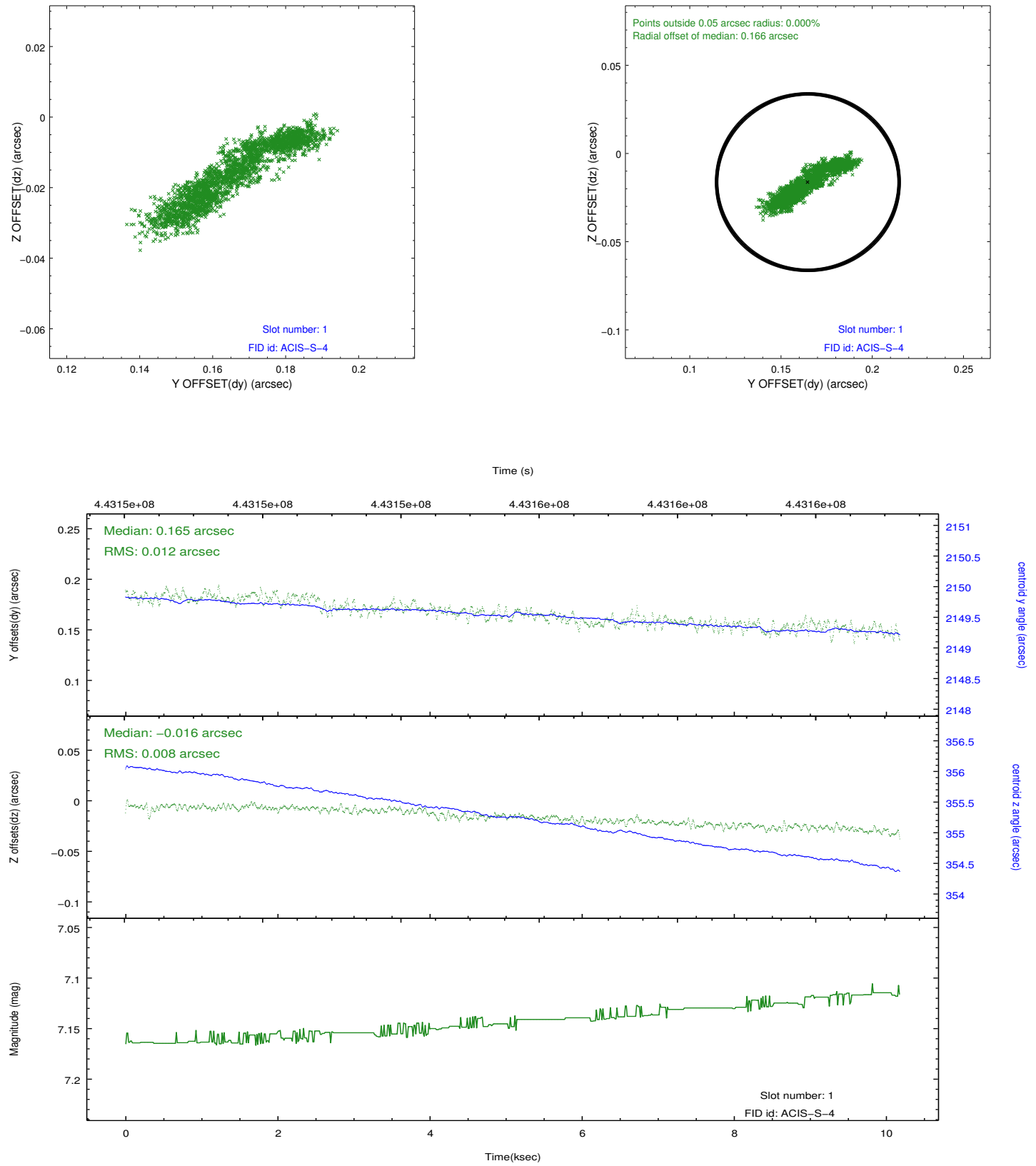


2.5 FID Slots

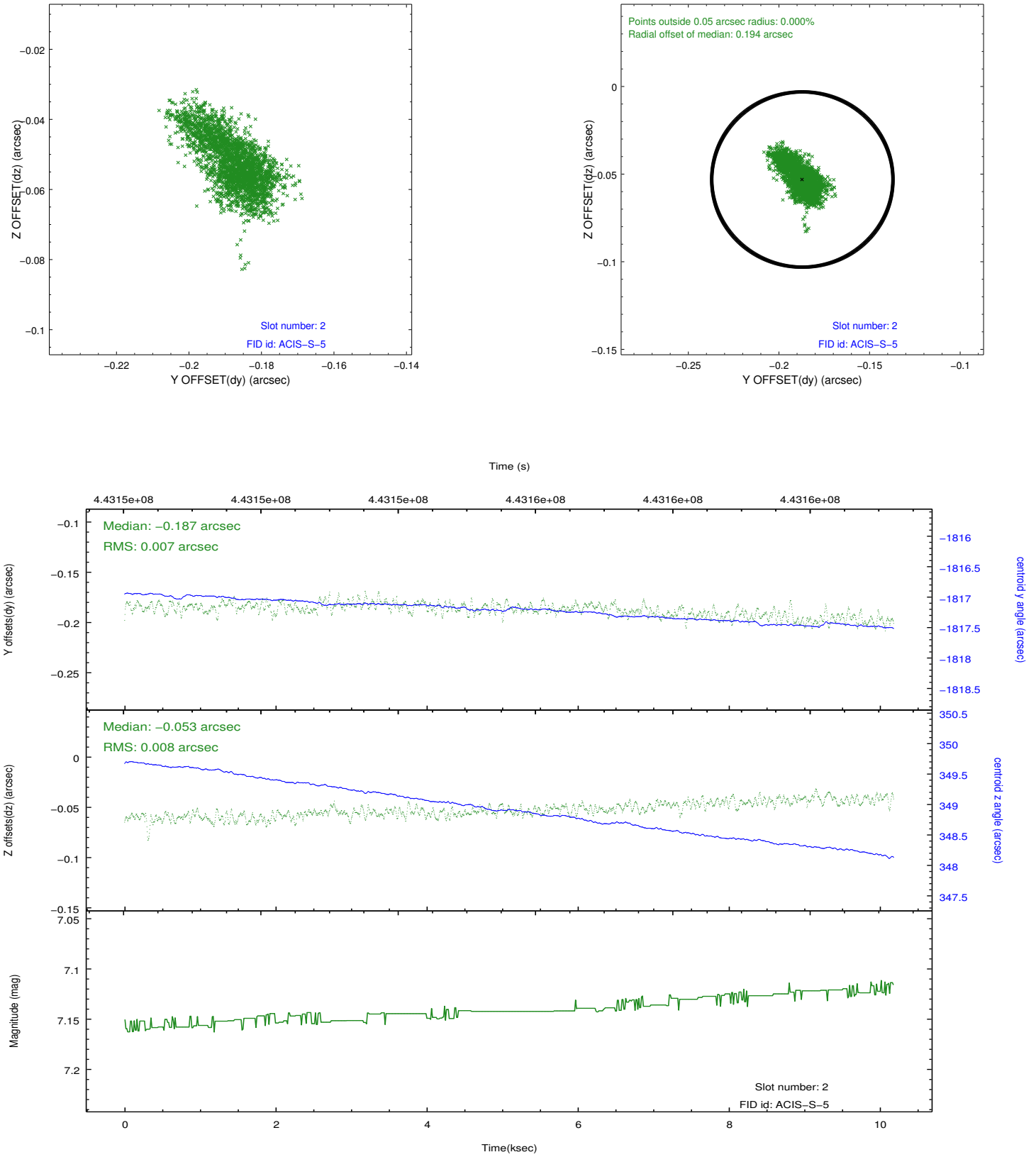
2.5.1 Slot 0



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)	2012.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.027697737038

A.2 Comments

Window preference met.