

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6765 - L2 Version 2
Chandra X-Ray Center

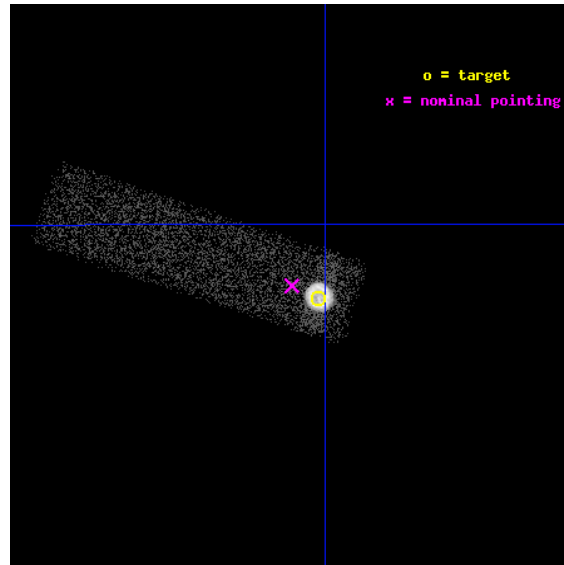
L2 Processing Date : Mar 28 2012

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1 Front

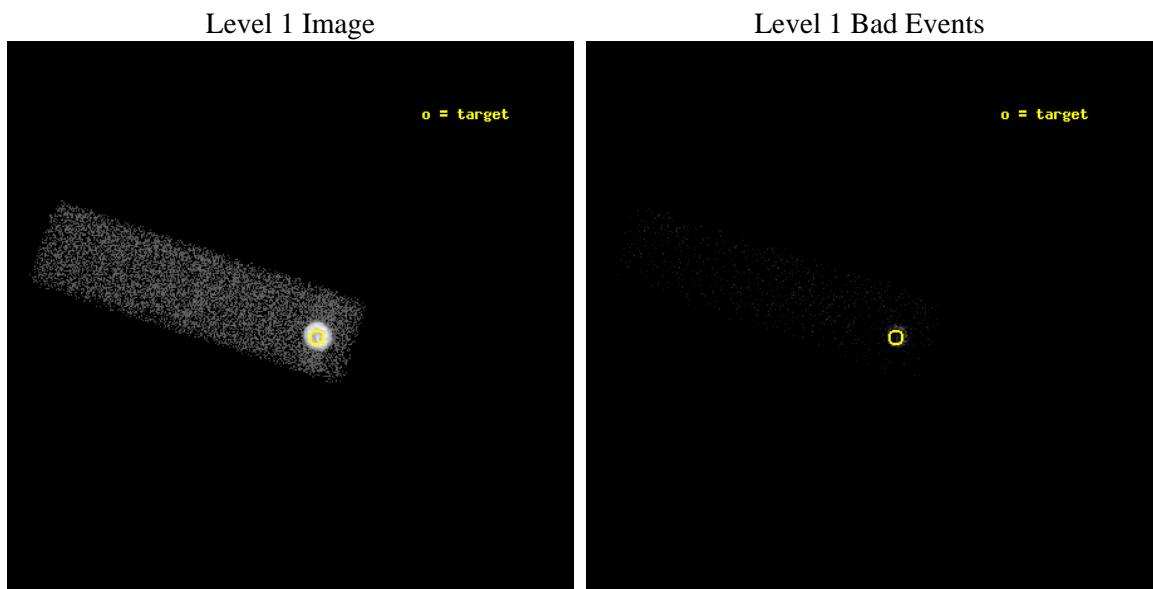
seq_num	590448	Sequence number
obs_id	6765	Observation id
title	AO7 ACIS-S Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S3,-120,-1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.047110668895	Nominal RA [deg]
dec_nom	-72.026601567	Nominal Dec [deg]
roll_nom	198.03854535515	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8027.2001196146	Sum of GTIs [s]
livetime	7635.4990198941	Livetime [s]
ontime7	8027.2001196146	Sum of GTIs [s]
l2events	60035	Number of level 2 events



2 OBI

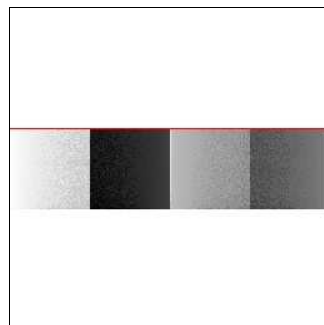
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8027.2001196146	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	8027.2001196146	Sum of GTIs [s]
date	2012-03-28T05:41:05	Date and time of file creation	l1events	67132	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

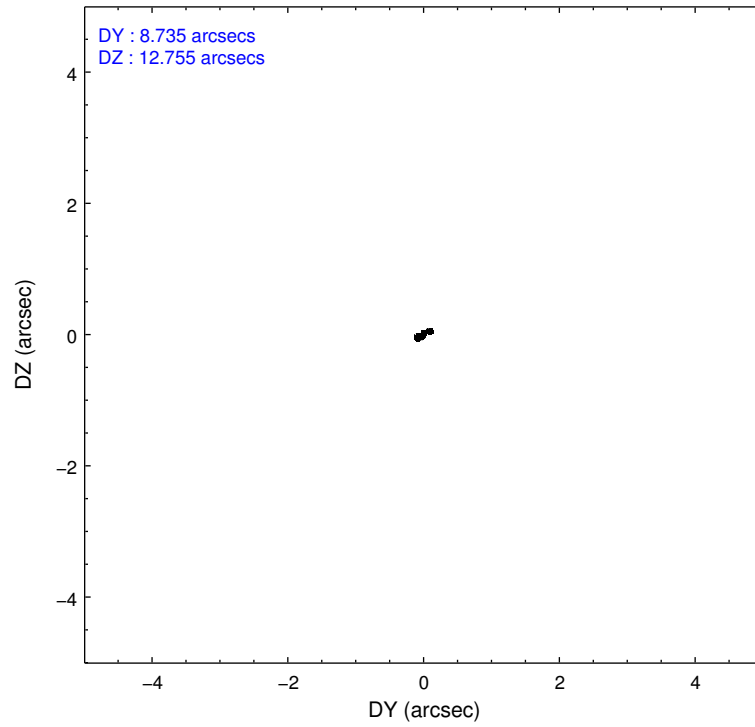
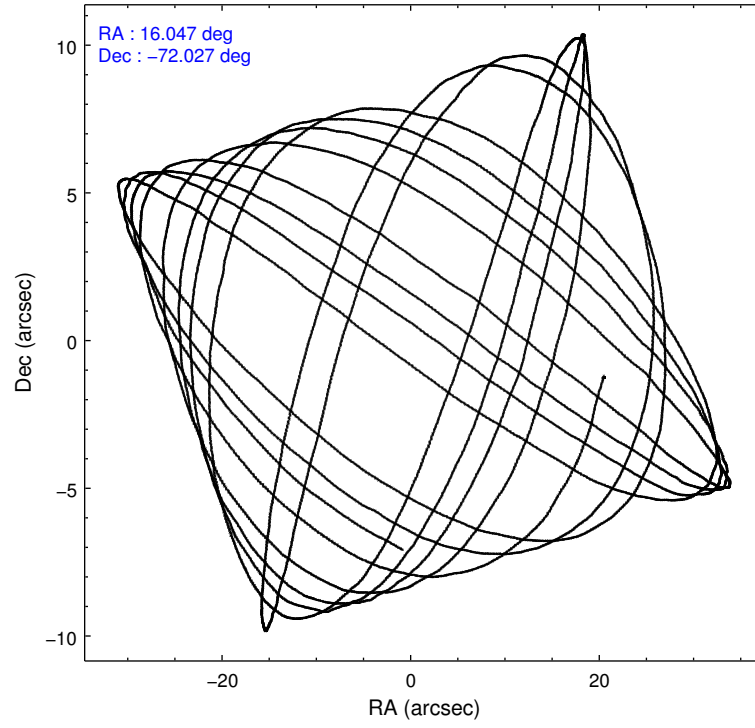
	ccd 7
level 1 events	67132
rejected events	6809
rejected %	10%

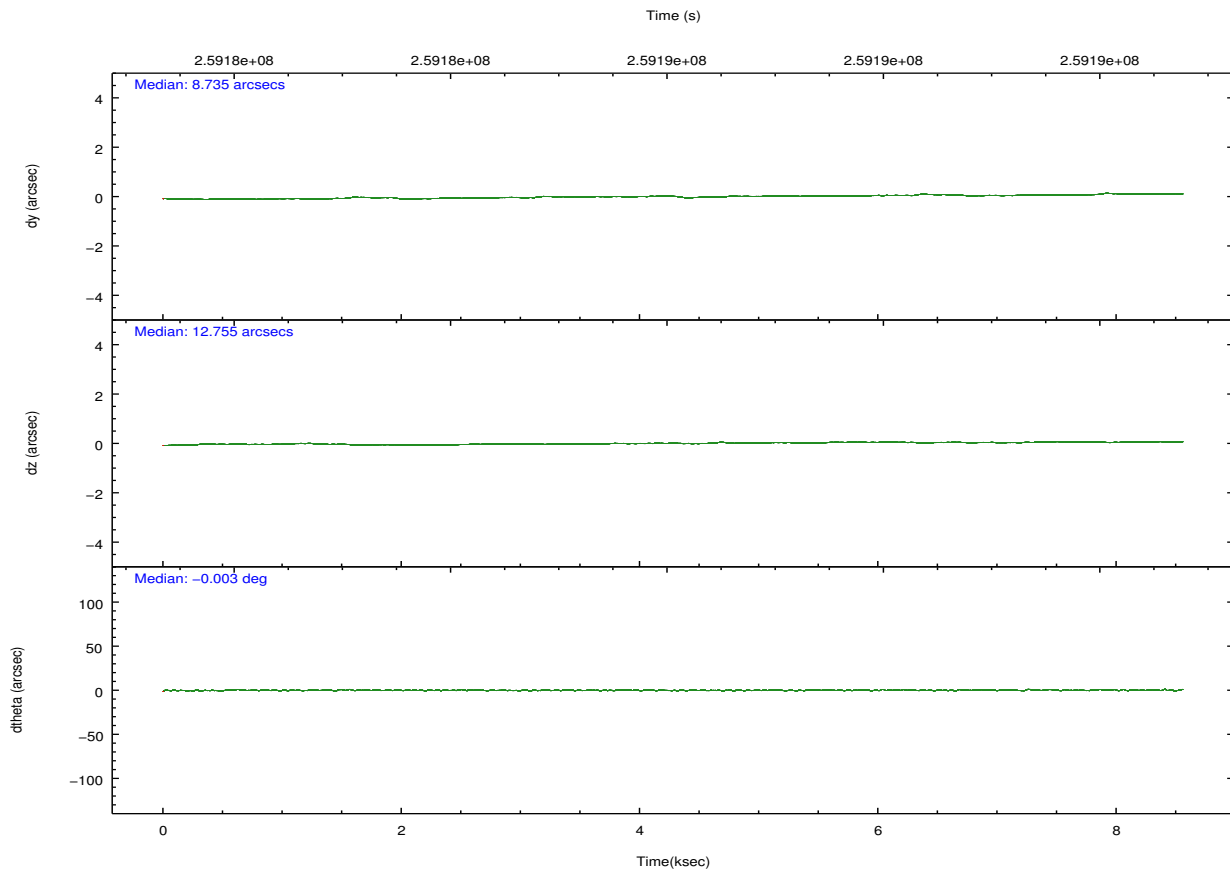
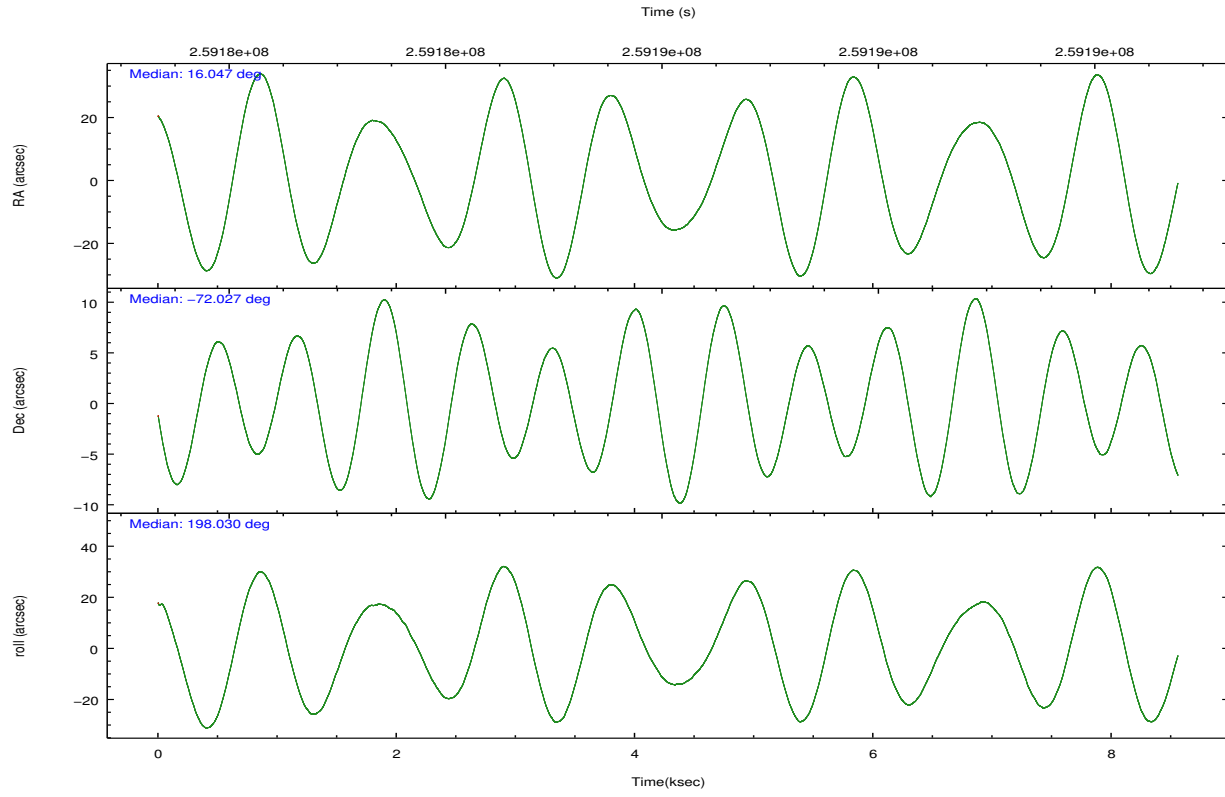
	ccd 7
grade 0 events	17335
	25%
grade 1 events	99
	0%
grade 2 events	16423
	24%
grade 3 events	7525
	11%
grade 4 events	7336
	10%
grade 5 events	1857
	2%
grade 6 events	11713
	17%
grade 7 events	4844
	7%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.105391	16.04711066889504	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-72.006047	-72.02660156700026	Subarray start row	384	384
[deg] Pointing Roll	197.937357	198.0385453551475	Subarray row count	256	256
[s] Window start time (MET)	247190464.184000	247190464.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	260150465.184000	260150465.184000	[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	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	259182336.184000	259181592.30293			
Observation start date	2006-03-19T19:04:31	2006-03-19T18:53:12			
[s] Observation end time (MET)	259190336.184000	259190965.92837			
Observation end date	2006-03-19T21:17:51	2006-03-19T21:29:25			
Read mode	TIMED	TIMED			

2.3 Aspect



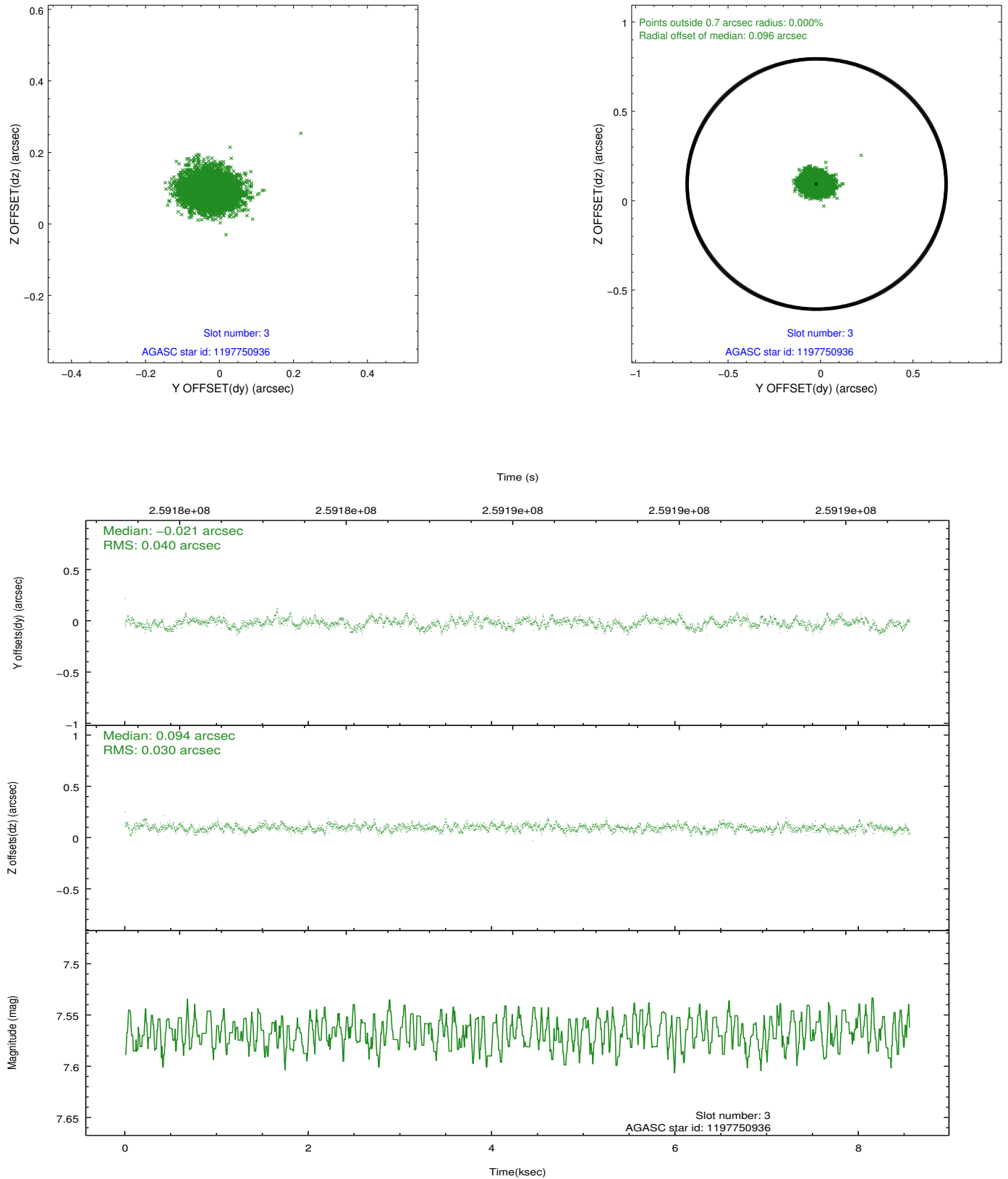


Slot Statistics

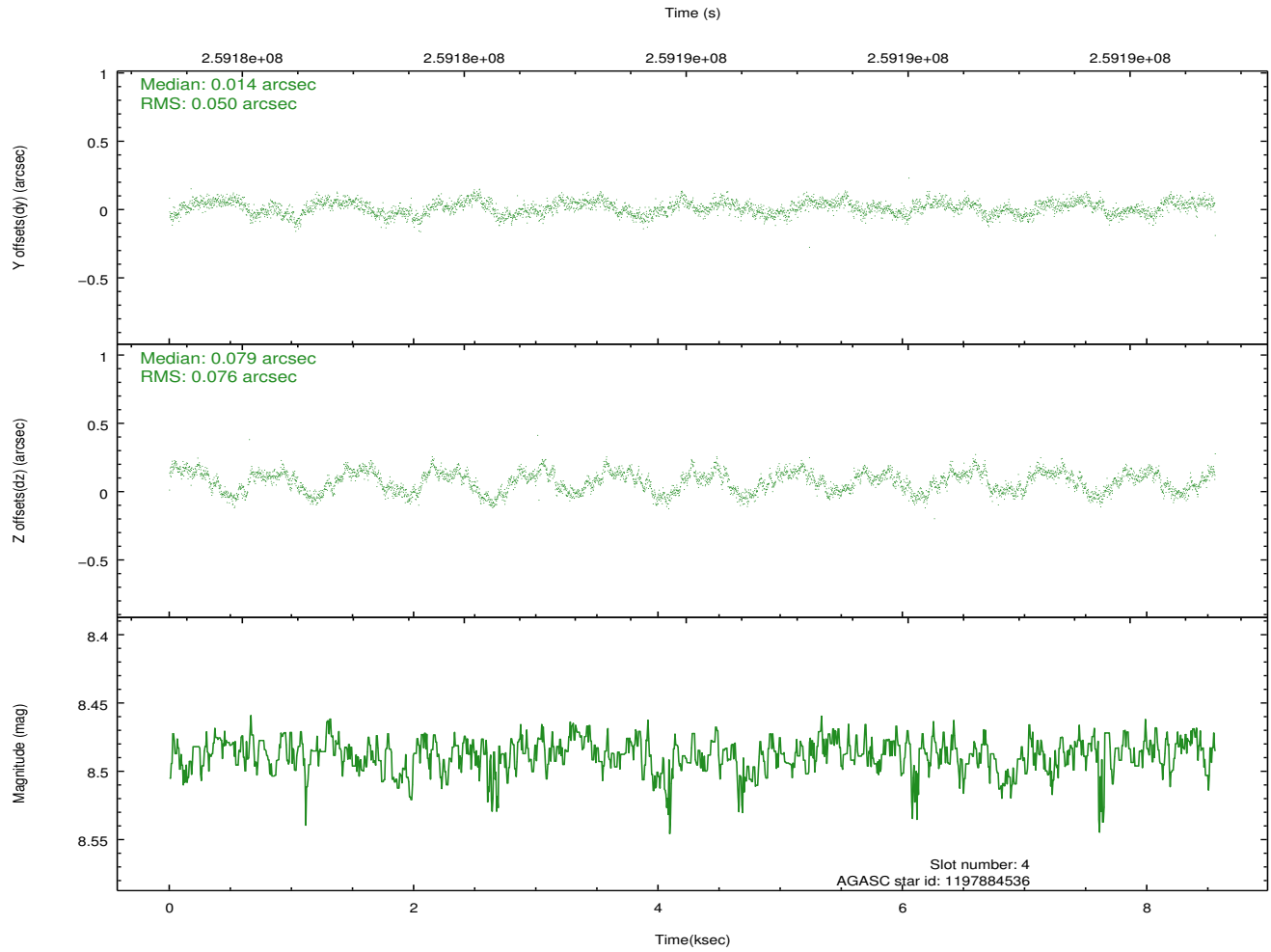
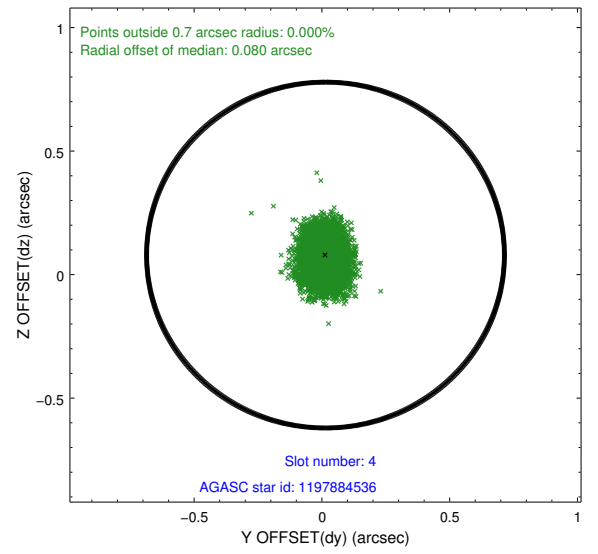
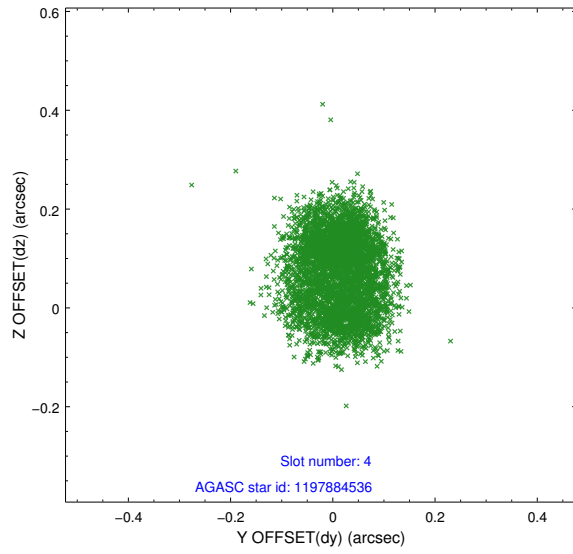
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2088	-0.002	-0.035	0.007	0.012	0.000000	0.000000	-761.55	-1734.10
1	FID	ACIS-S-4	7.19	2088	0.104	0.011	0.006	0.012	0.000000	0.000000	2151.56	173.73
2	FID	ACIS-S-5	7.23	2087	-0.133	0.033	0.007	0.011	0.000000	0.000000	-1813.67	168.20
3	GUIDE	1197750936	7.57	4175	-0.021	0.094	0.053	0.086	15.387940	-71.549550	273.34	-1810.04
4	GUIDE	1197884536	8.49	4175	0.014	0.079	0.099	0.148	17.160729	-71.835289	-1312.77	-210.61
5	GUIDE	1197885104	9.35	4173	0.112	-0.033	0.097	0.153	17.845067	-72.189368	-1610.50	1244.28
6	GUIDE	1197885328	7.24	4175	0.113	0.057	0.054	0.089	16.283090	-71.733943	-493.18	-869.55
7	GUIDE	1198189696	7.36	4175	-0.219	-0.191	0.070	0.106	15.223750	-72.697522	1666.23	2084.34

2.4 Star Slots

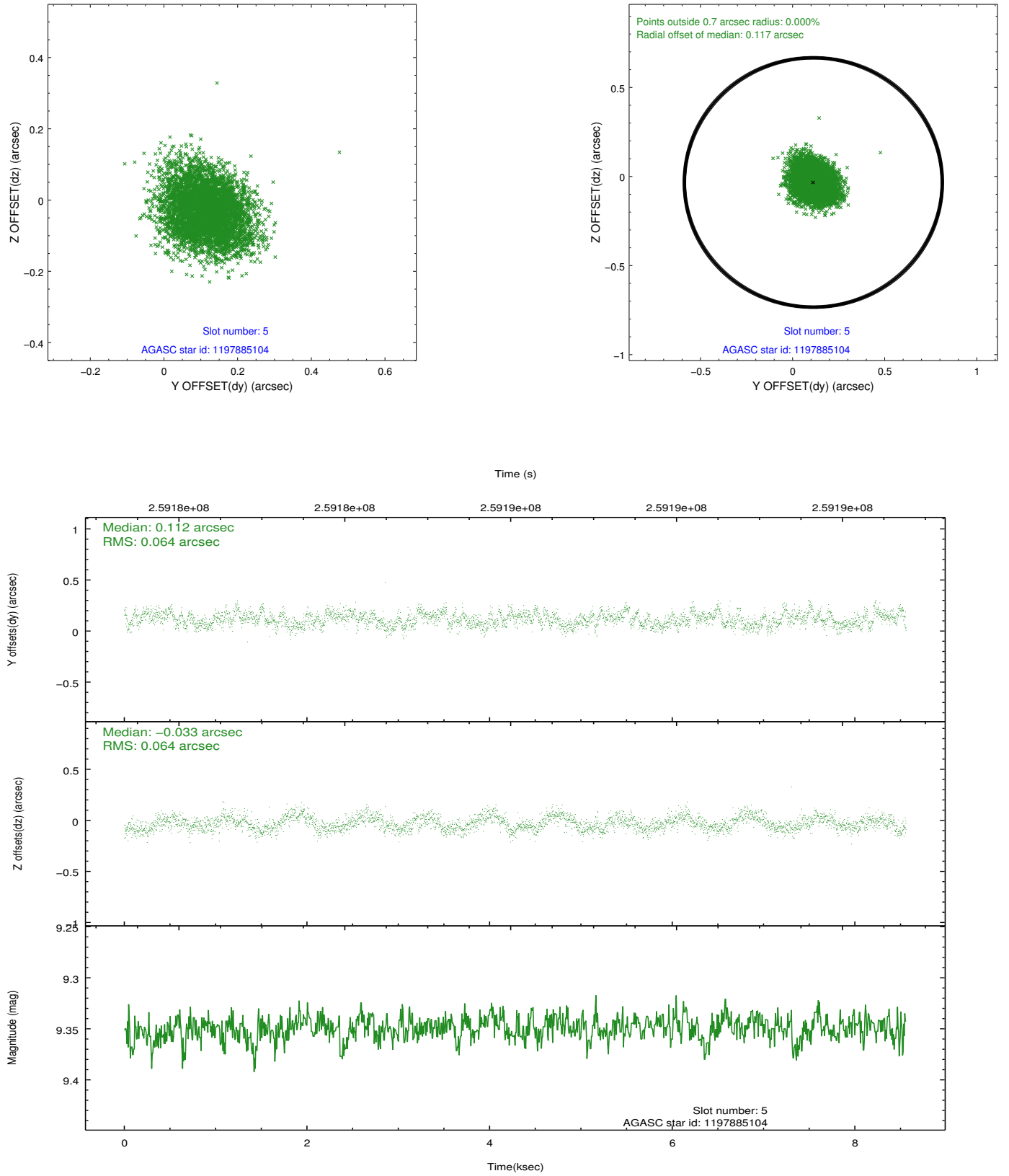
2.4.1 Slot 3



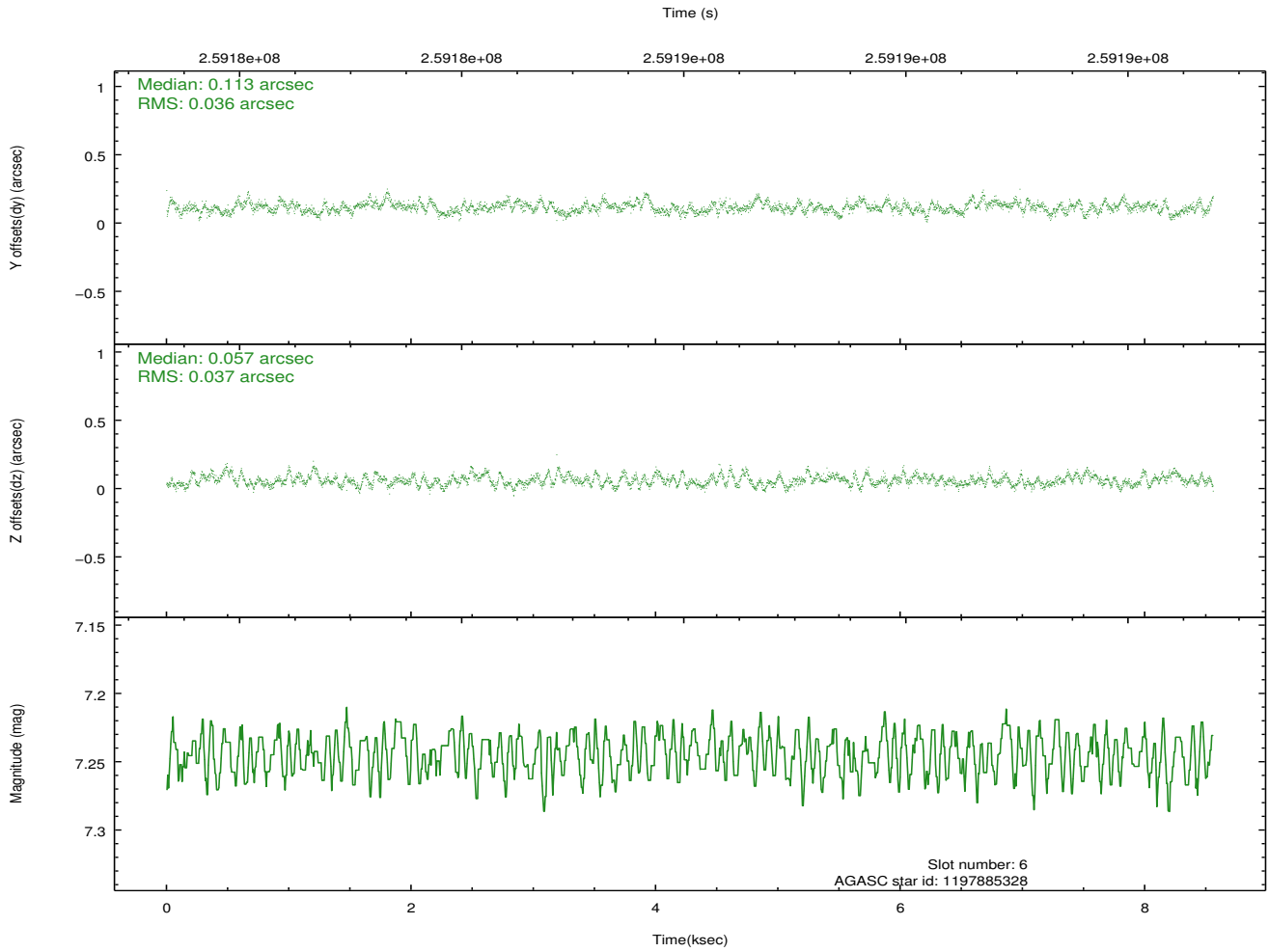
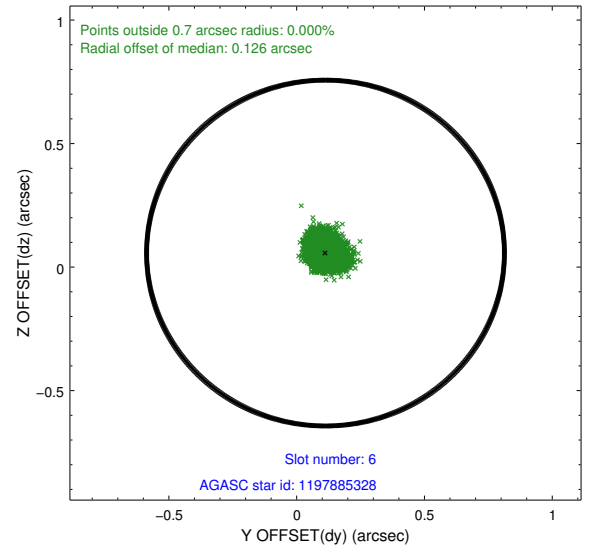
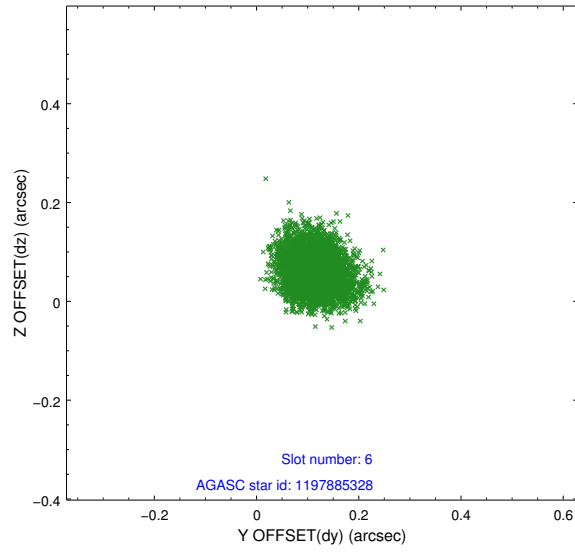
2.4.2 Slot 4



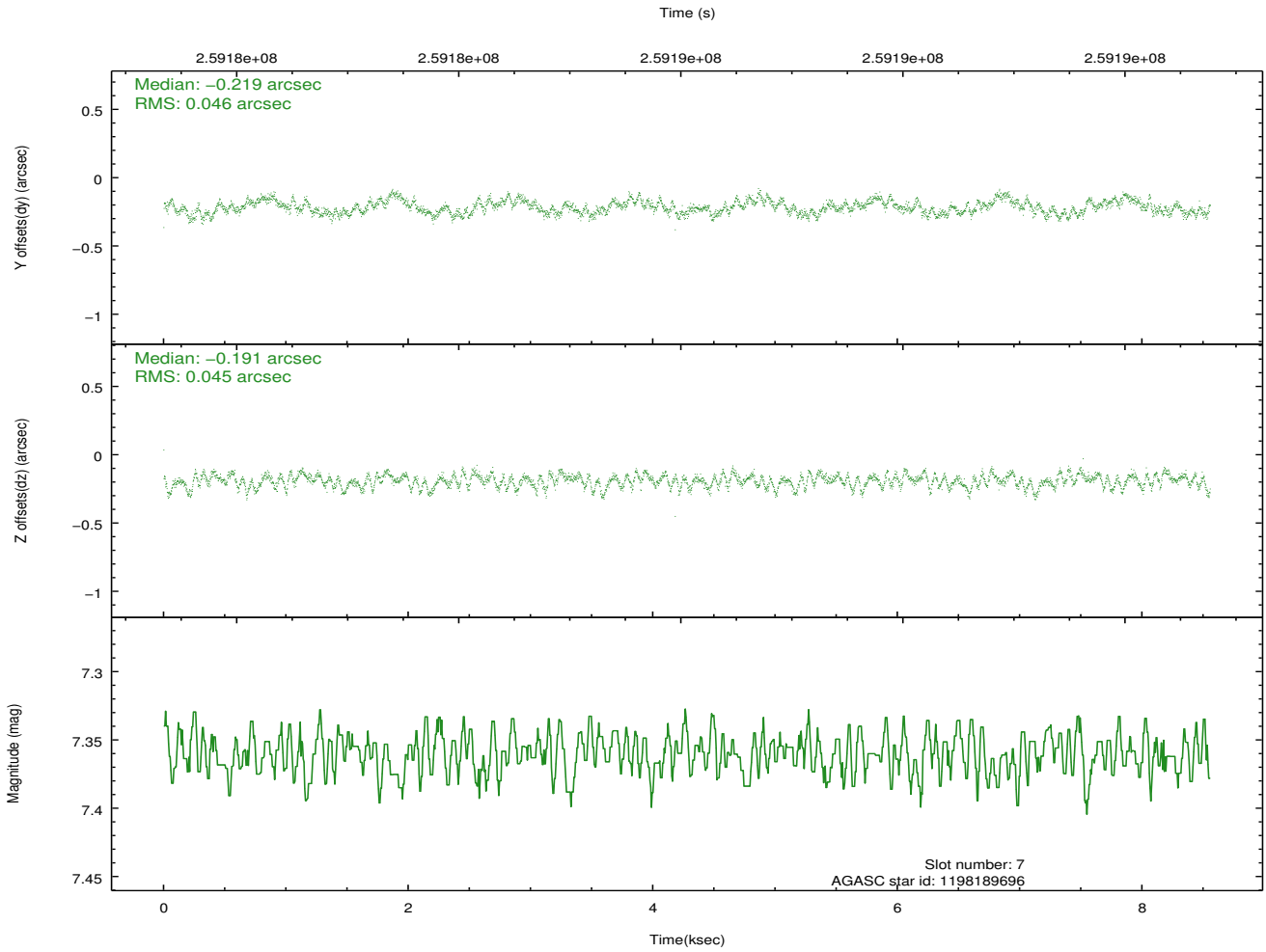
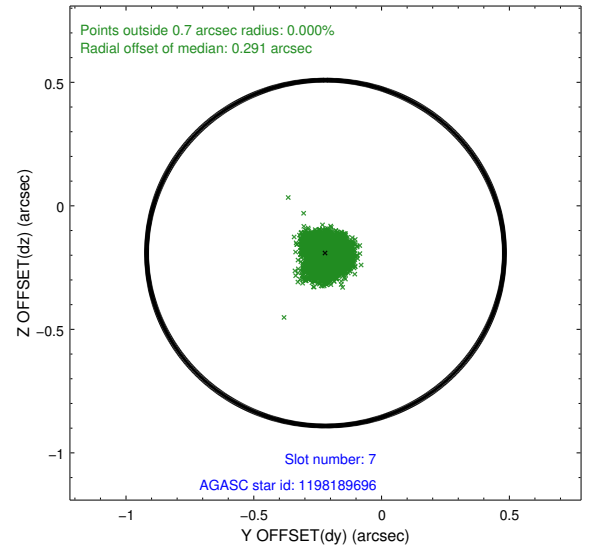
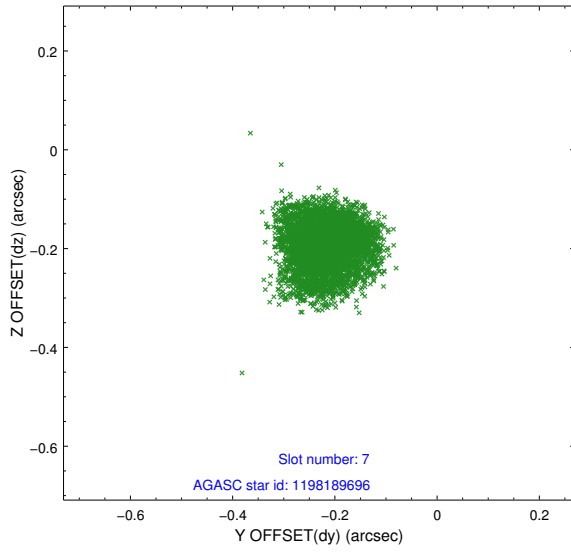
2.4.3 Slot 5



2.4.4 Slot 6

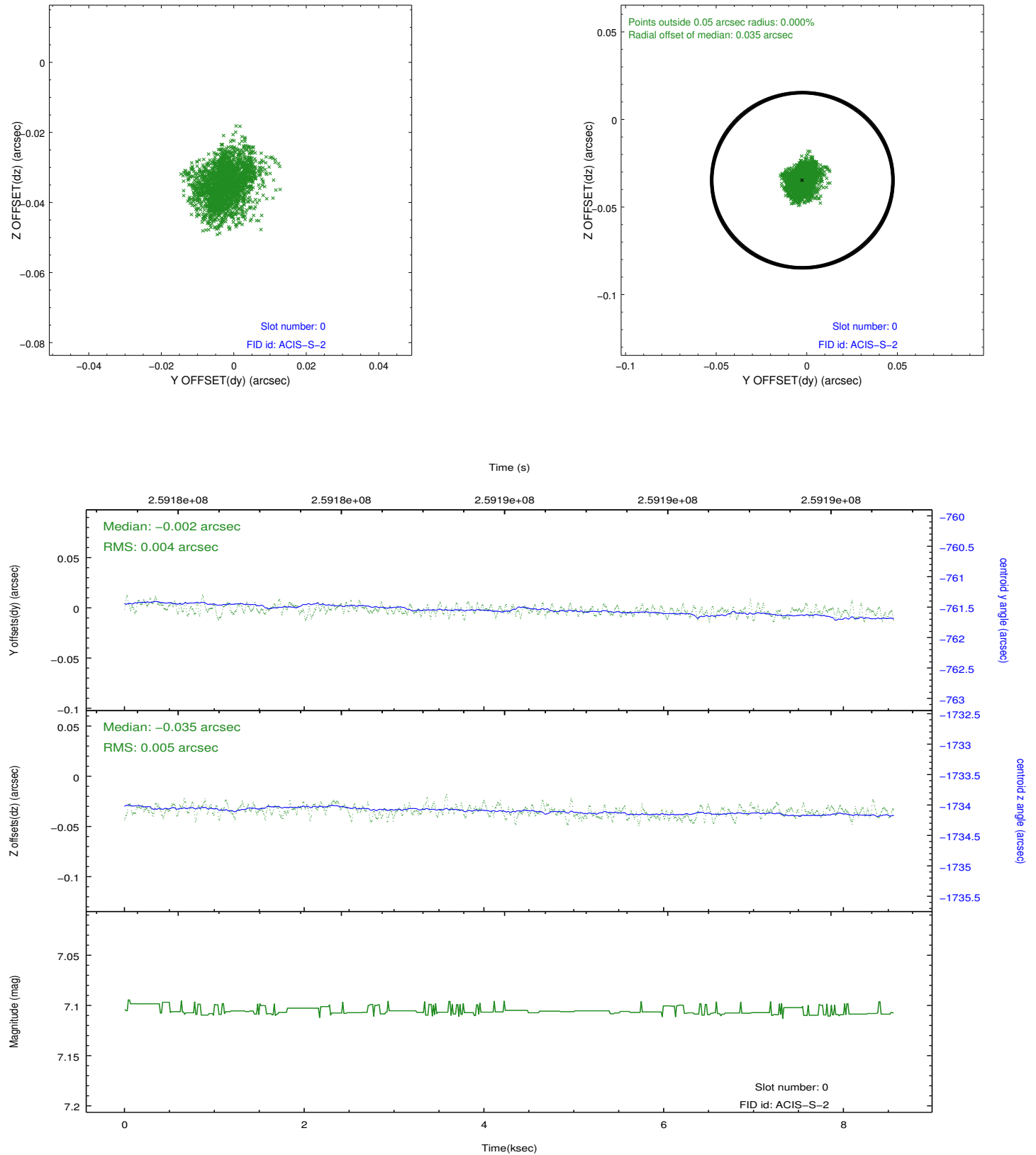


2.4.5 Slot 7

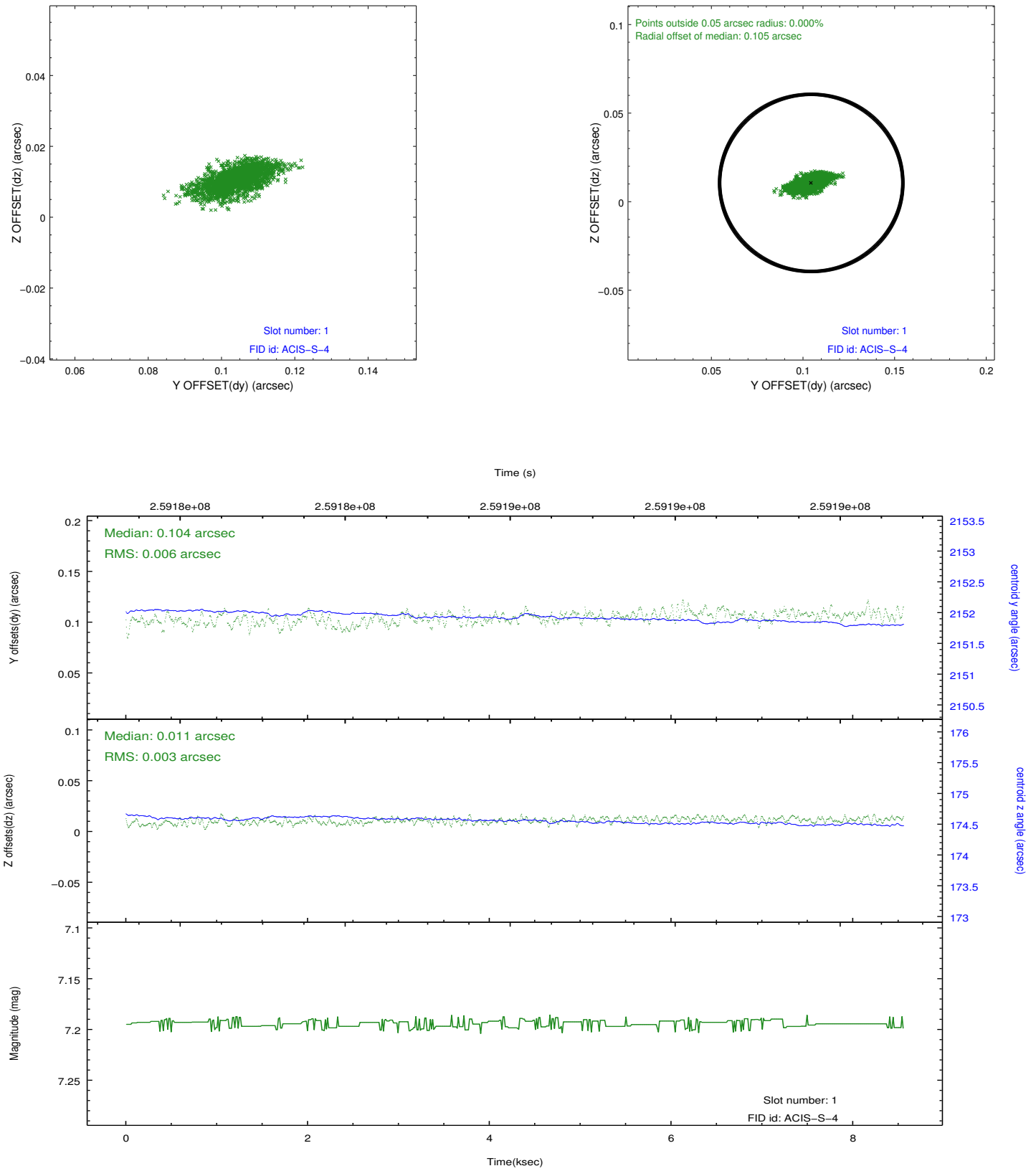


2.5 FID Slots

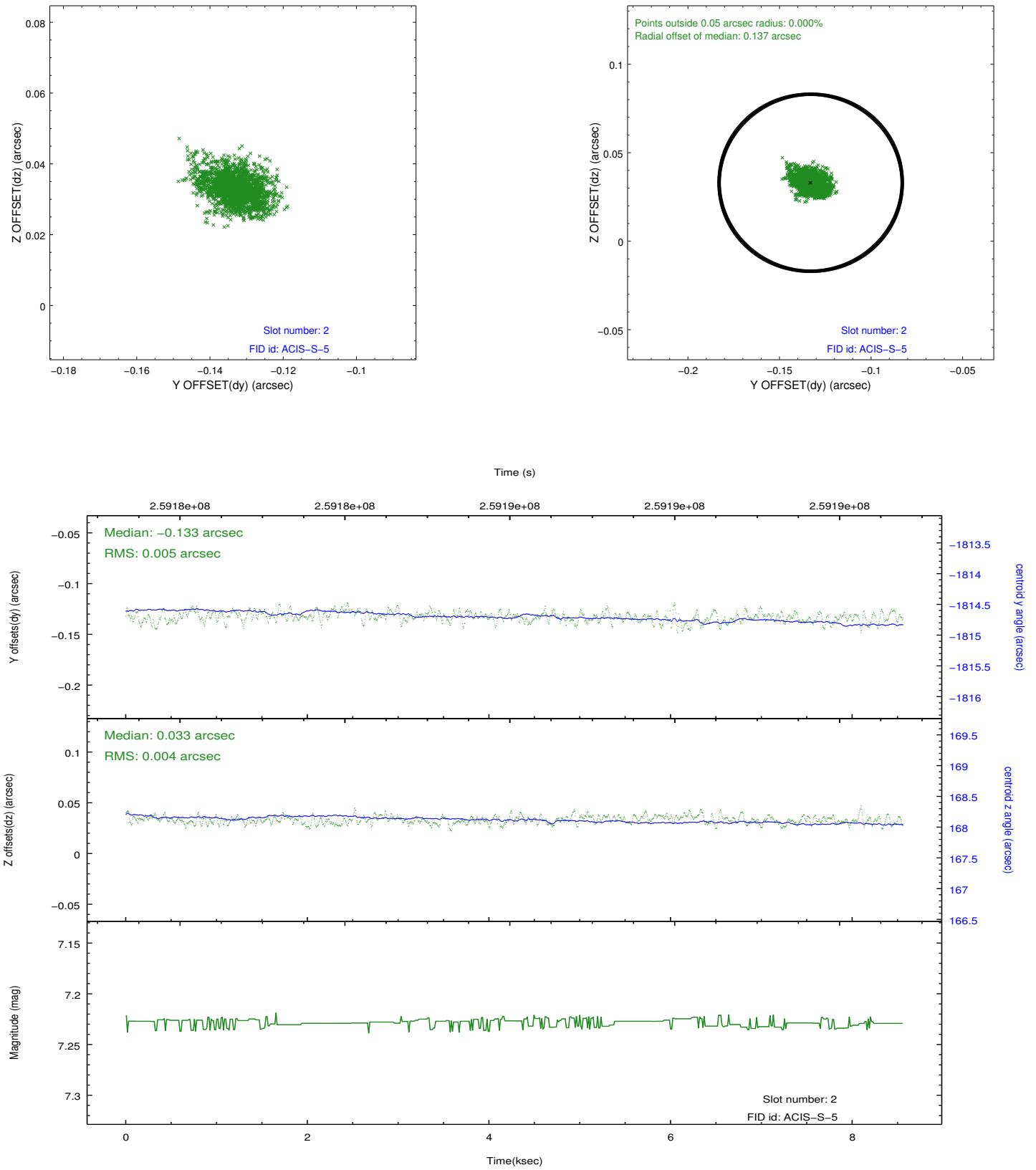
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.02720011

A.2 Comments

Window constraint met.