

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10650 - L2 Version 2
Chandra X-Ray Center

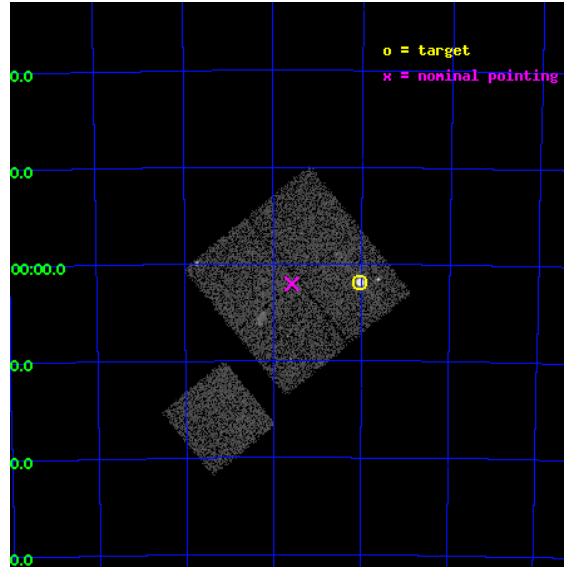
L2 Processing Date : May 30 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

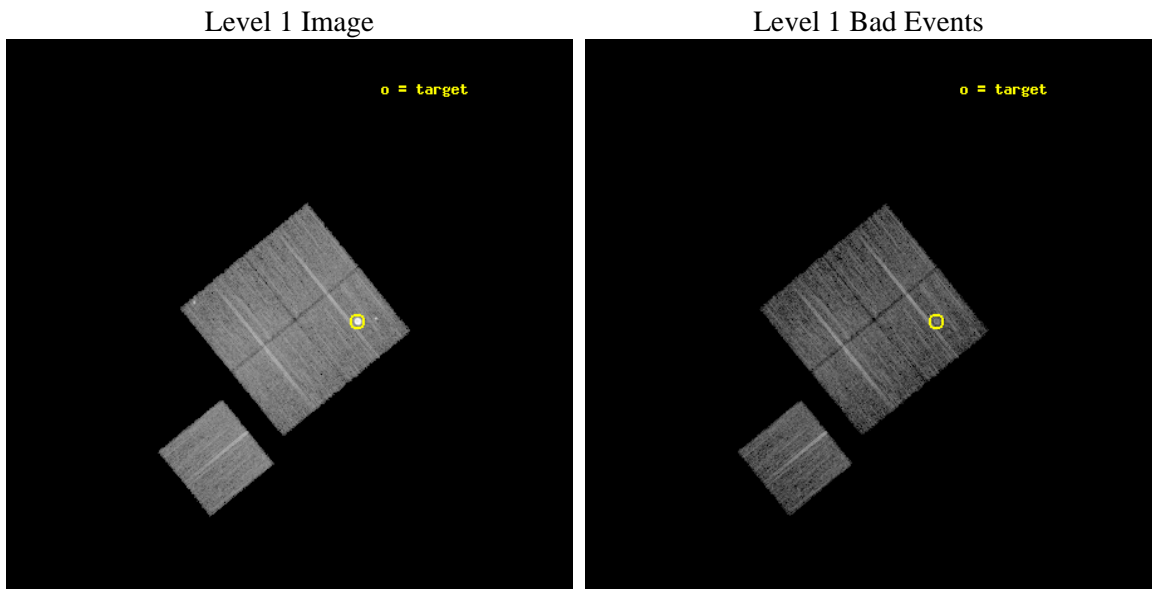
seq_num	590489	Sequence number
obs_id	10650	Observation id
title	AO-10 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I0,-120,4.7,-5.68,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.395008008069	Nominal RA [deg]
dec_nom	-72.034271717978	Nominal Dec [deg]
roll_nom	230.80520224165	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8037.5682649016	Sum of GTIs [s]
livetime	7932.551518349	Livetime [s]
ontime0	8037.5682649016	Sum of GTIs [s]
ontime1	8037.6093049049	Sum of GTIs [s]
ontime2	8034.5093346834	Sum of GTIs [s]
ontime3	8037.6913849115	Sum of GTIs [s]
ontime6	8037.5272248983	Sum of GTIs [s]
l2events	47968	Number of level 2 events



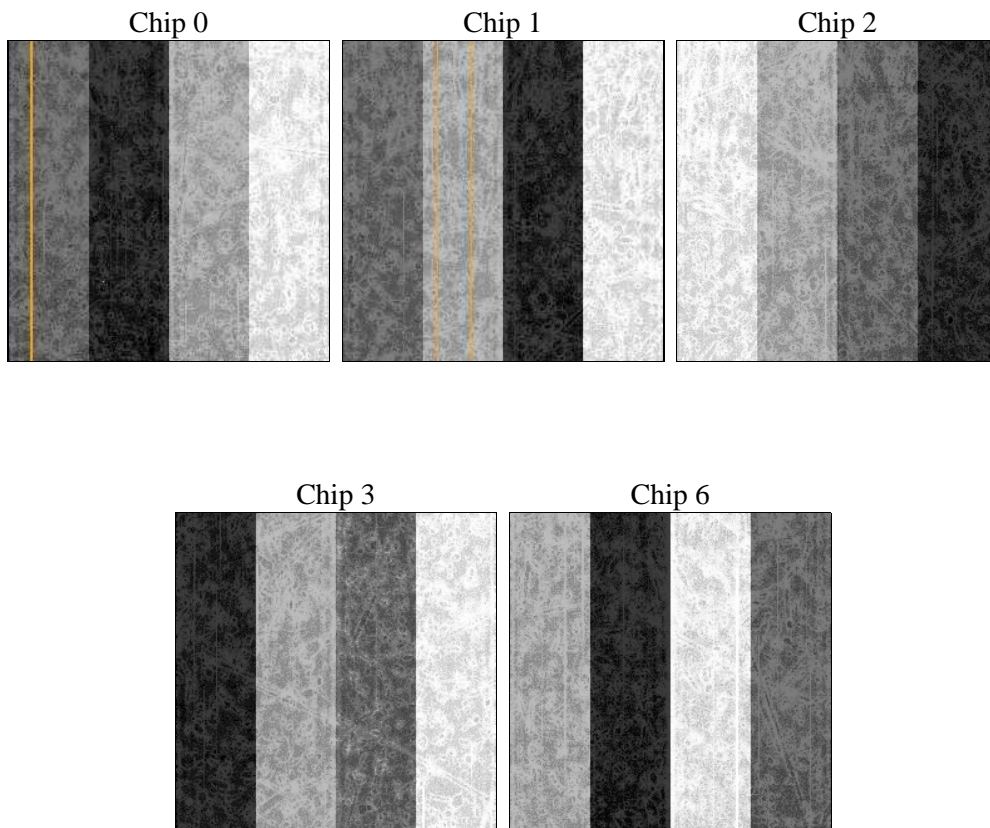
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8037.5682649016	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8037.5682649016	Sum of GTIs [s]
date	2012-05-30T23:48:04	Date and time of file creation	ontime1	8037.6093049049	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8034.5093346834	Sum of GTIs [s]
			ontime3	8037.6913849115	Sum of GTIs [s]
			ontime6	8037.5272248983	Sum of GTIs [s]
			l1events	332660	Number of level 1 events

2.1.4 Events

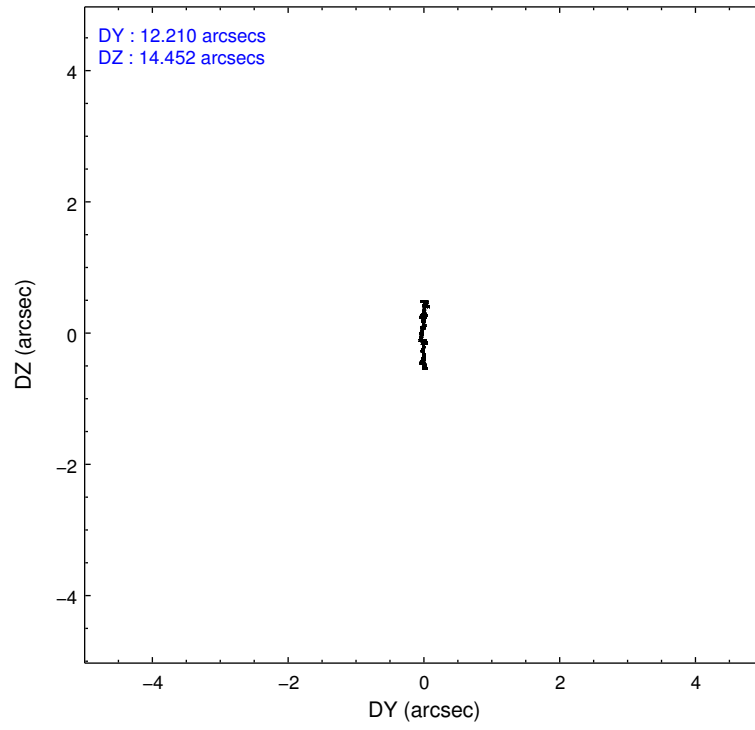
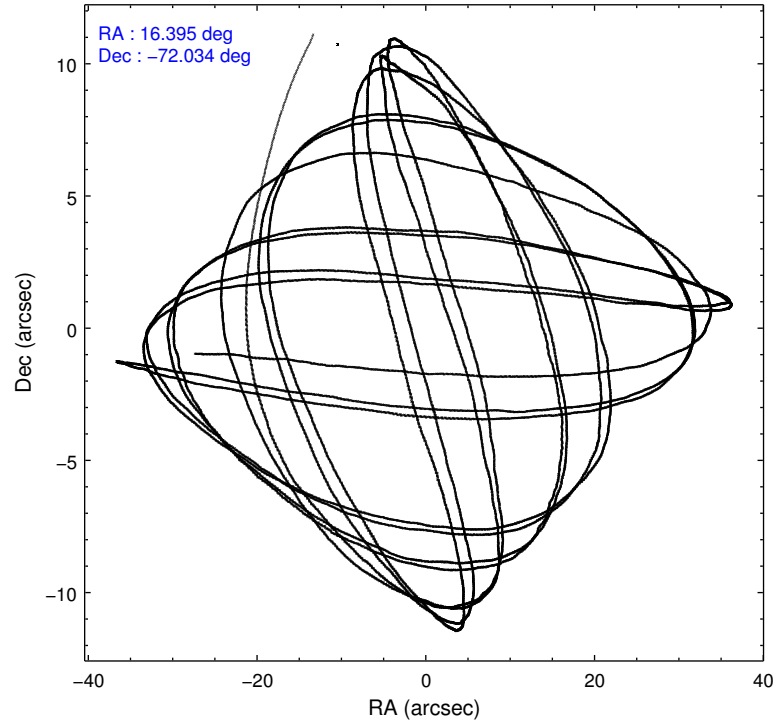
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	81589	58880	64814	63755	63622
rejected events	54514	52371	57794	57171	57033
rejected %	66%	88%	89%	89%	89%

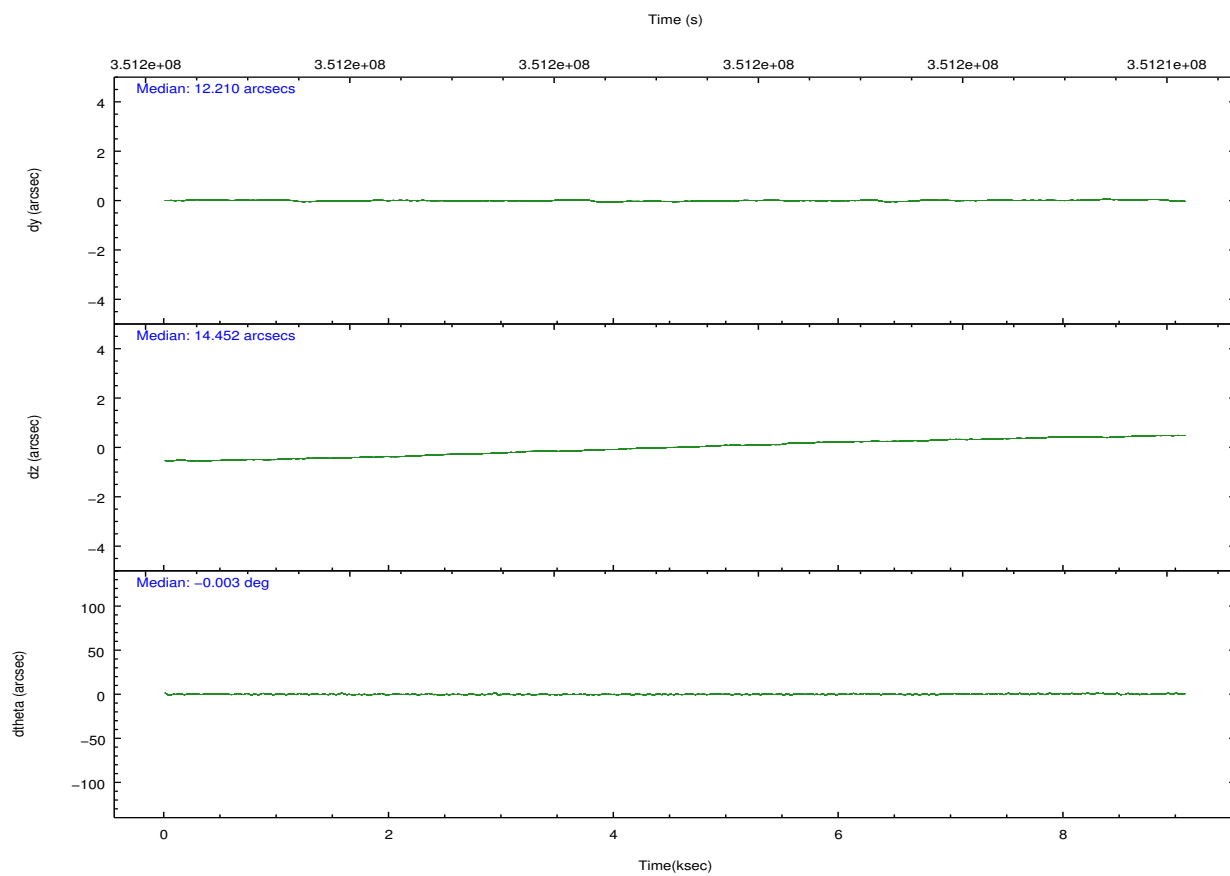
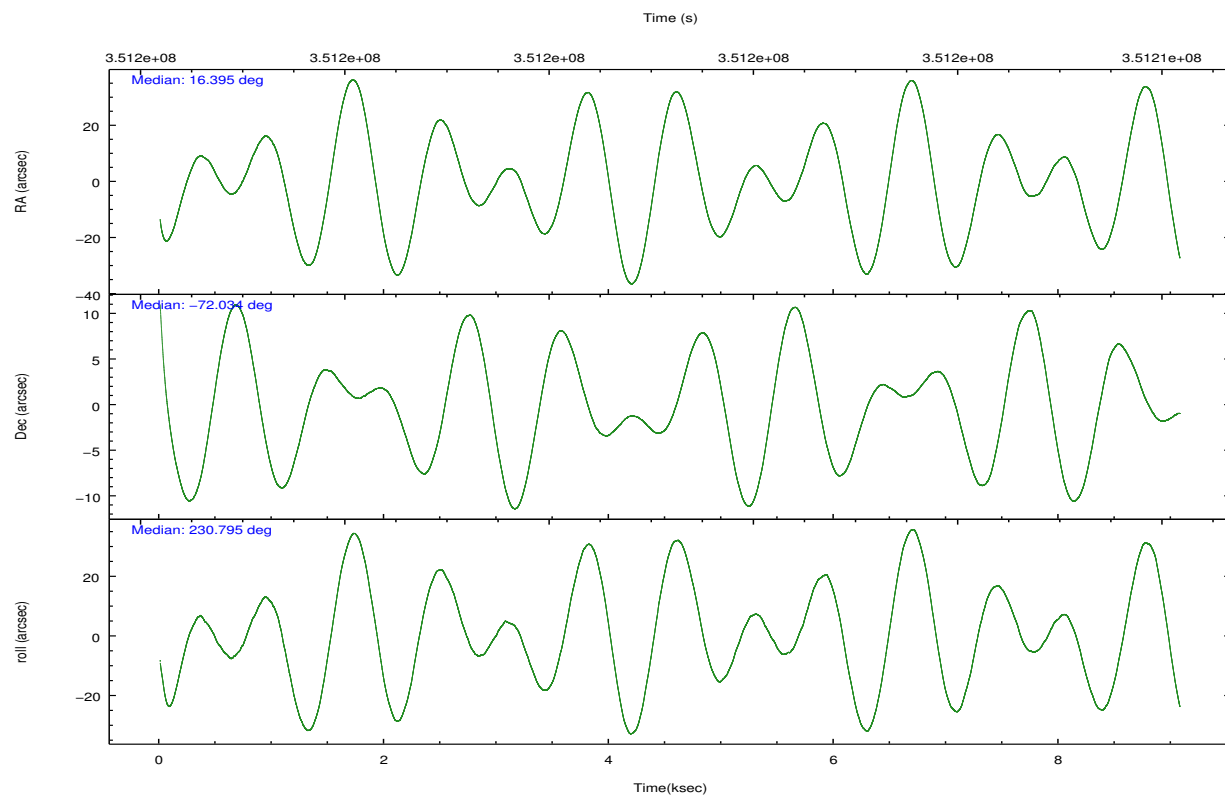
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	20502	2230	3045	2558	2460
	25%	3%	4%	4%	3%
grade 1 events	208	31	48	35	34
	0%	0%	0%	0%	0%
grade 2 events	3119	1478	1588	1437	1415
	3%	2%	2%	2%	2%
grade 3 events	1114	711	673	699	705
	1%	1%	1%	1%	1%
grade 4 events	1031	688	667	686	720
	1%	1%	1%	1%	1%
grade 5 events	2017	2204	1884	2245	2258
	2%	3%	2%	3%	3%
grade 6 events	1318	1403	1050	1206	1293
	1%	2%	1%	1%	2%
grade 7 events	52280	50135	55859	54889	54737
	64%	85%	86%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	16.408836	16.39500800806897	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.007079	-72.03427171797765	Alternating exposures requested	N	N
[deg] Pointing Roll	230.609668	230.8052022416453	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	344476865.184000	344476865.184000			
[s] Window stop time (MET)	357436866.184000	357436866.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	351197726.184000	351195655.84778			
Observation start date	2009-02-16T18:54:20	2009-02-16T18:20:55			
[s] Observation end time (MET)	351205726.184000	351206959.54834			
Observation end date	2009-02-16T21:07:40	2009-02-16T21:29:19			
Read mode	TIMED	TIMED			

2.3 Aspect



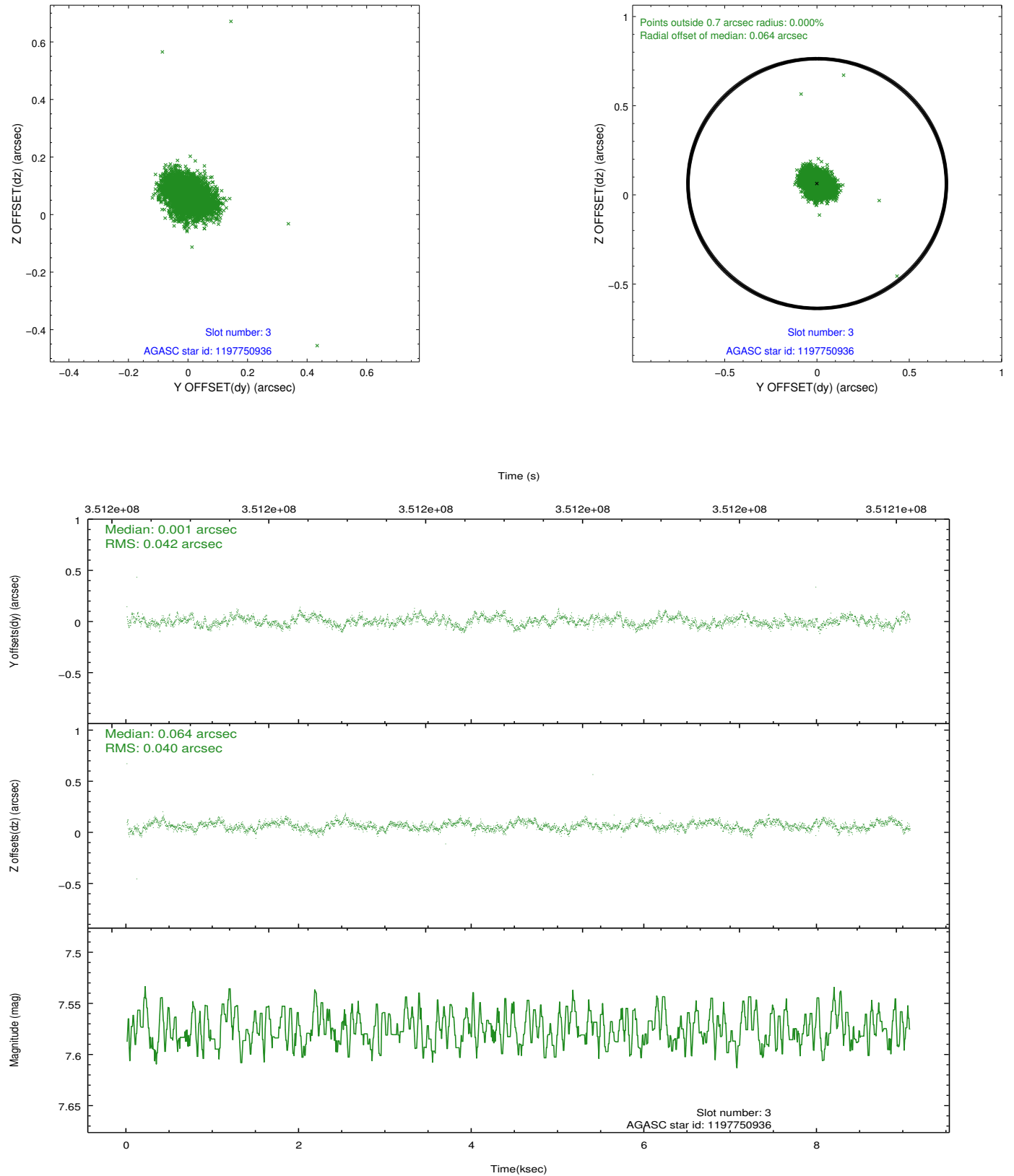


Slot Statistics

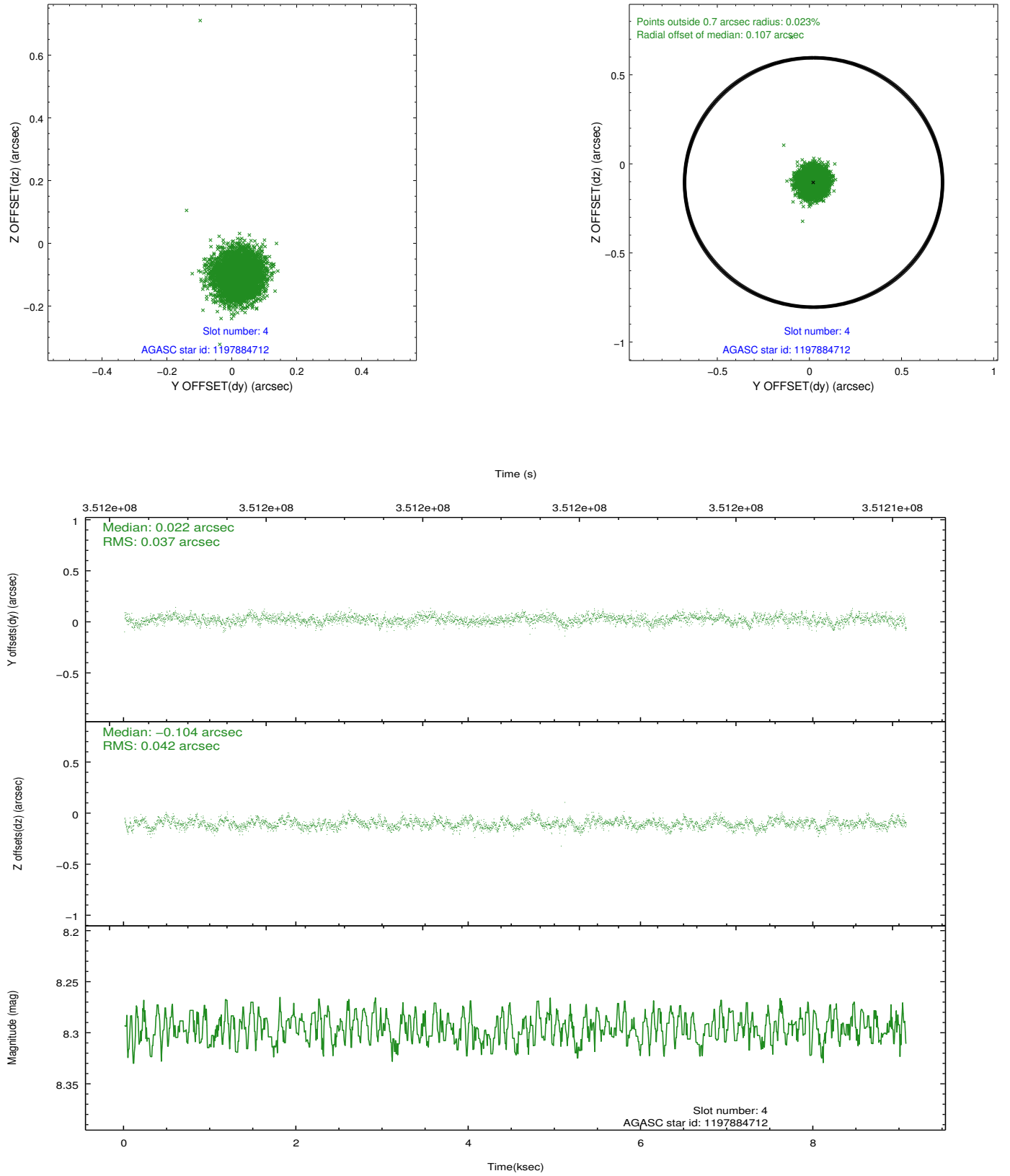
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	2213	0.019	0.015	0.011	0.018	0.000000	0.000000	927.36	-838.00
1	FID	ACIS-I-5	7.03	2213	-0.174	0.037	0.007	0.011	0.000000	0.000000	-1820.63	1059.18
2	FID	ACIS-I-6	7.03	2213	0.064	0.018	0.013	0.020	0.000000	0.000000	392.26	1704.37
3	GUIDE	1197750936	7.58	4425	0.001	0.064	0.060	0.095	15.387940	-71.549550	-526.36	-1937.55
4	GUIDE	1197884712	8.30	4427	0.022	-0.104	0.058	0.094	16.087398	-72.252690	908.09	288.86
5	GUIDE	1197885104	9.34	4421	0.123	-0.002	0.114	0.187	17.845067	-72.189368	-480.77	1650.68
6	GUIDE	1197885328	7.24	4426	0.050	0.099	0.075	0.109	16.283090	-71.733943	-670.33	-732.70
7	GUIDE	1198283128	7.73	4423	-0.199	-0.065	0.059	0.096	17.272580	-72.642428	1183.76	2172.71

2.4 Star Slots

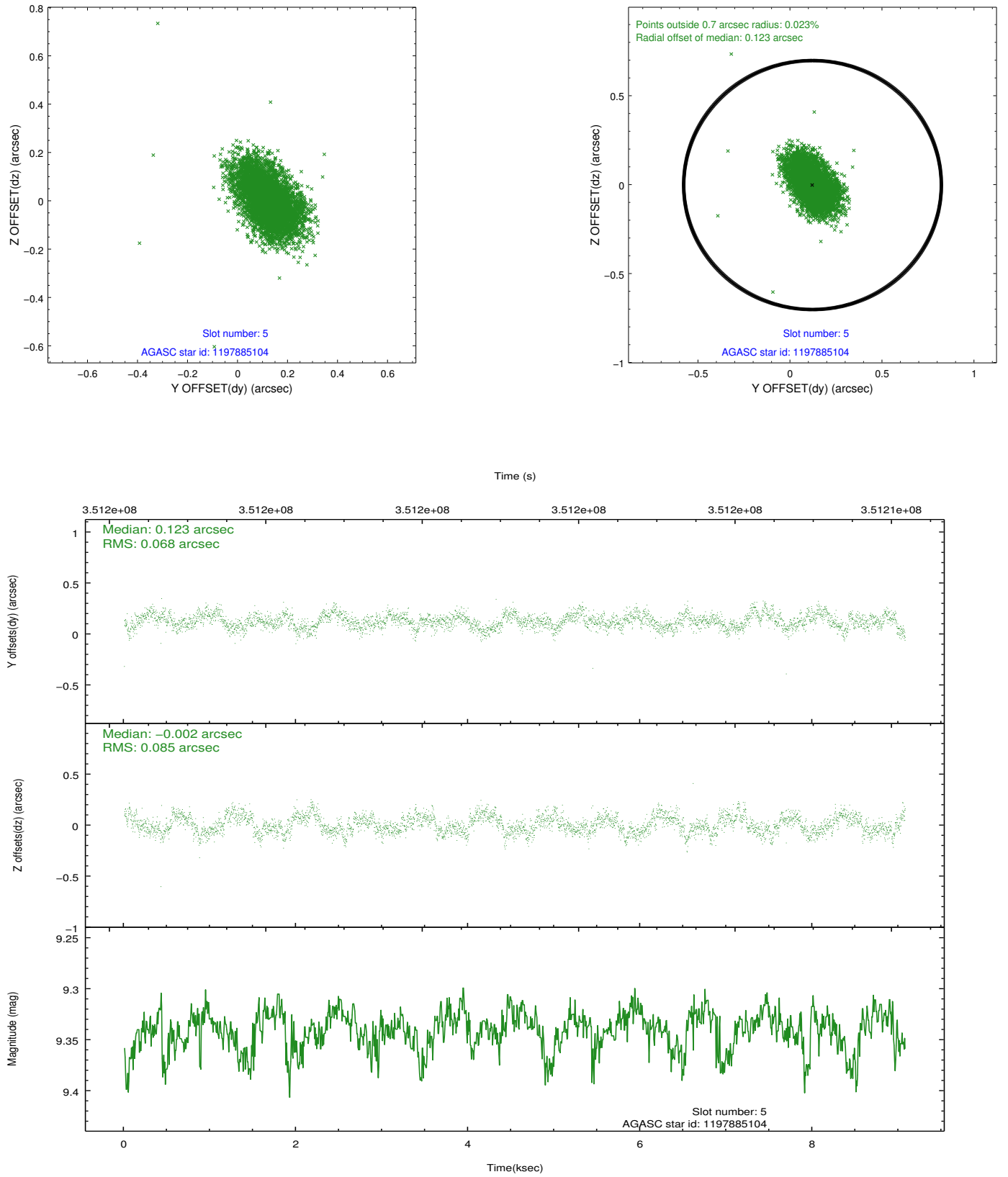
2.4.1 Slot 3



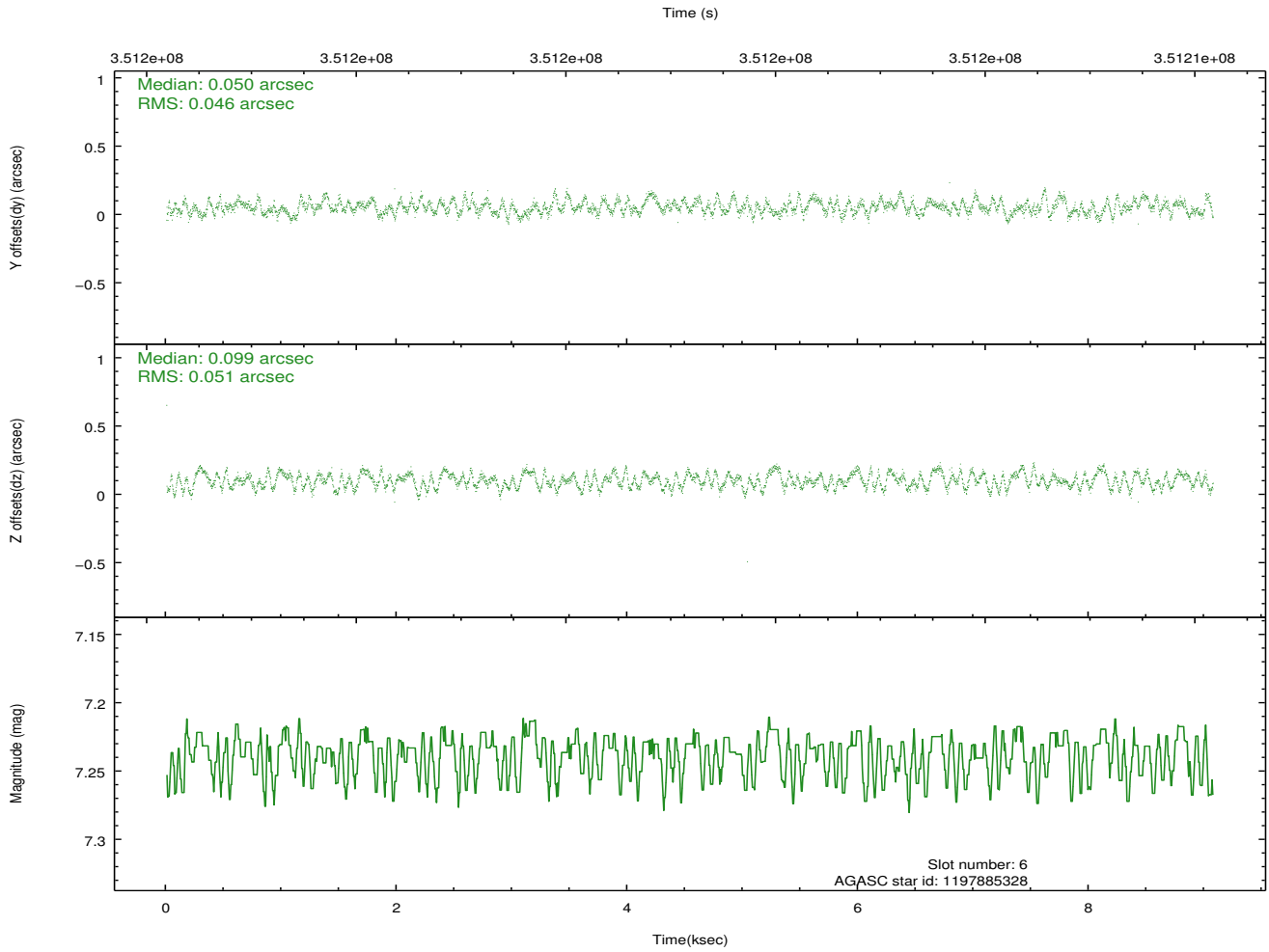
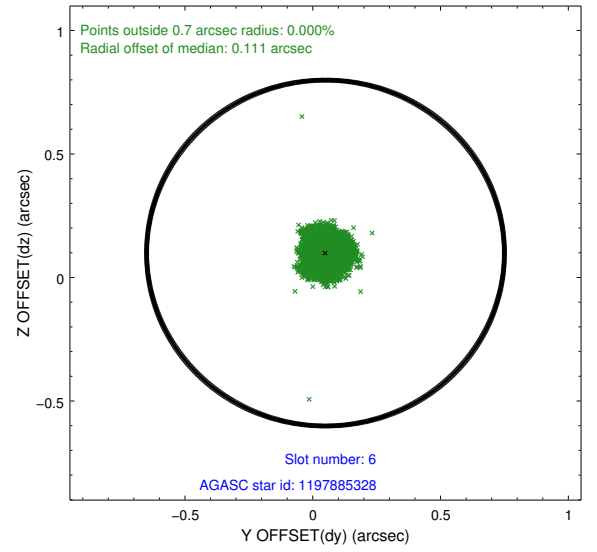
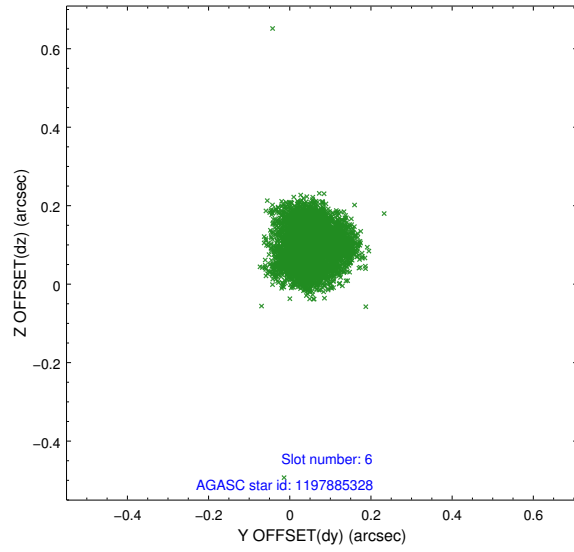
2.4.2 Slot 4



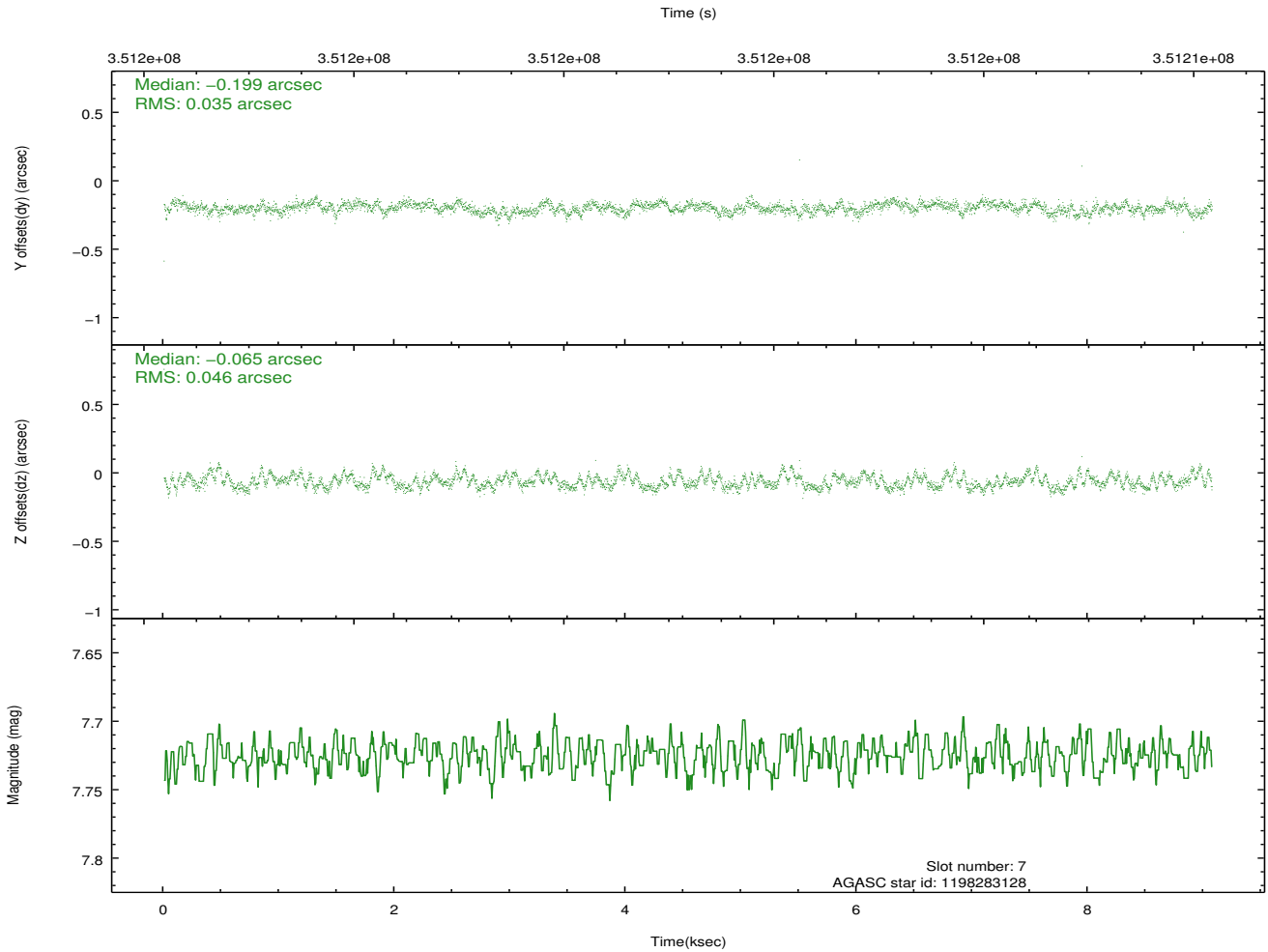
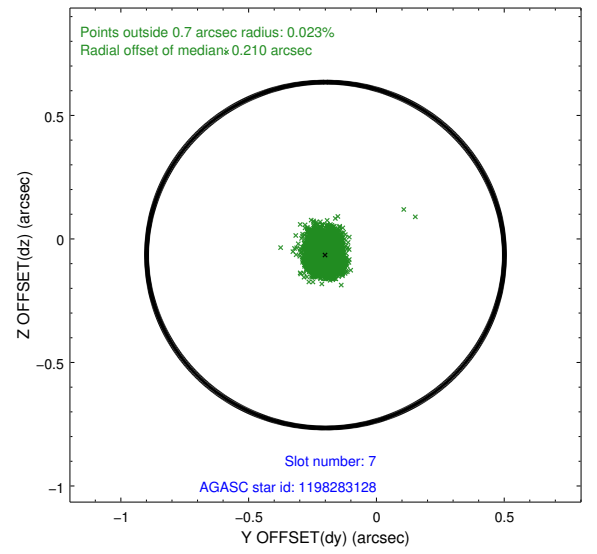
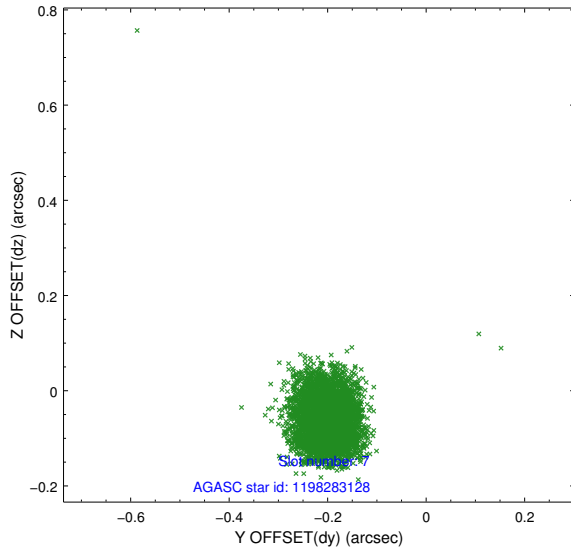
2.4.3 Slot 5



2.4.4 Slot 6

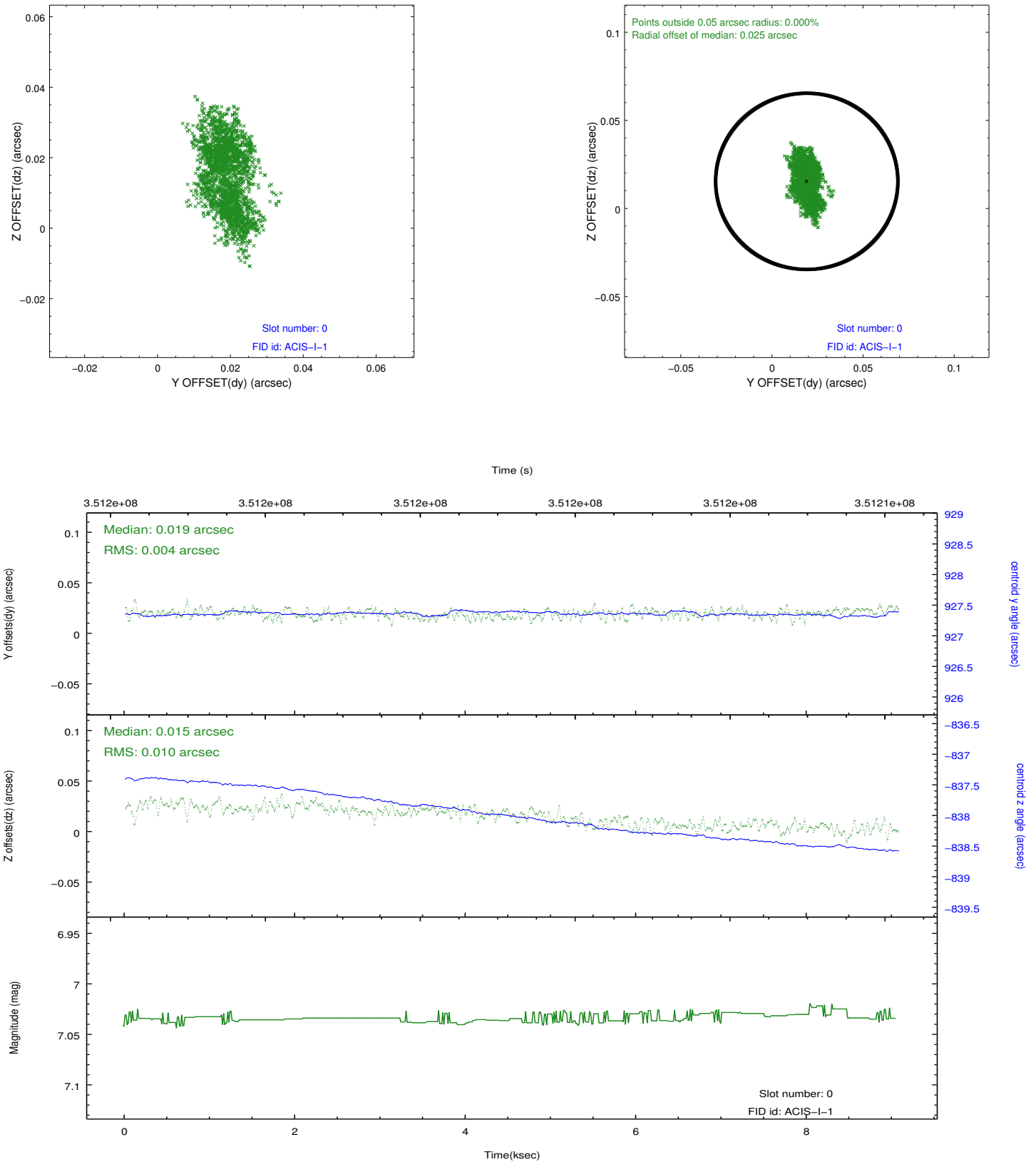


2.4.5 Slot 7

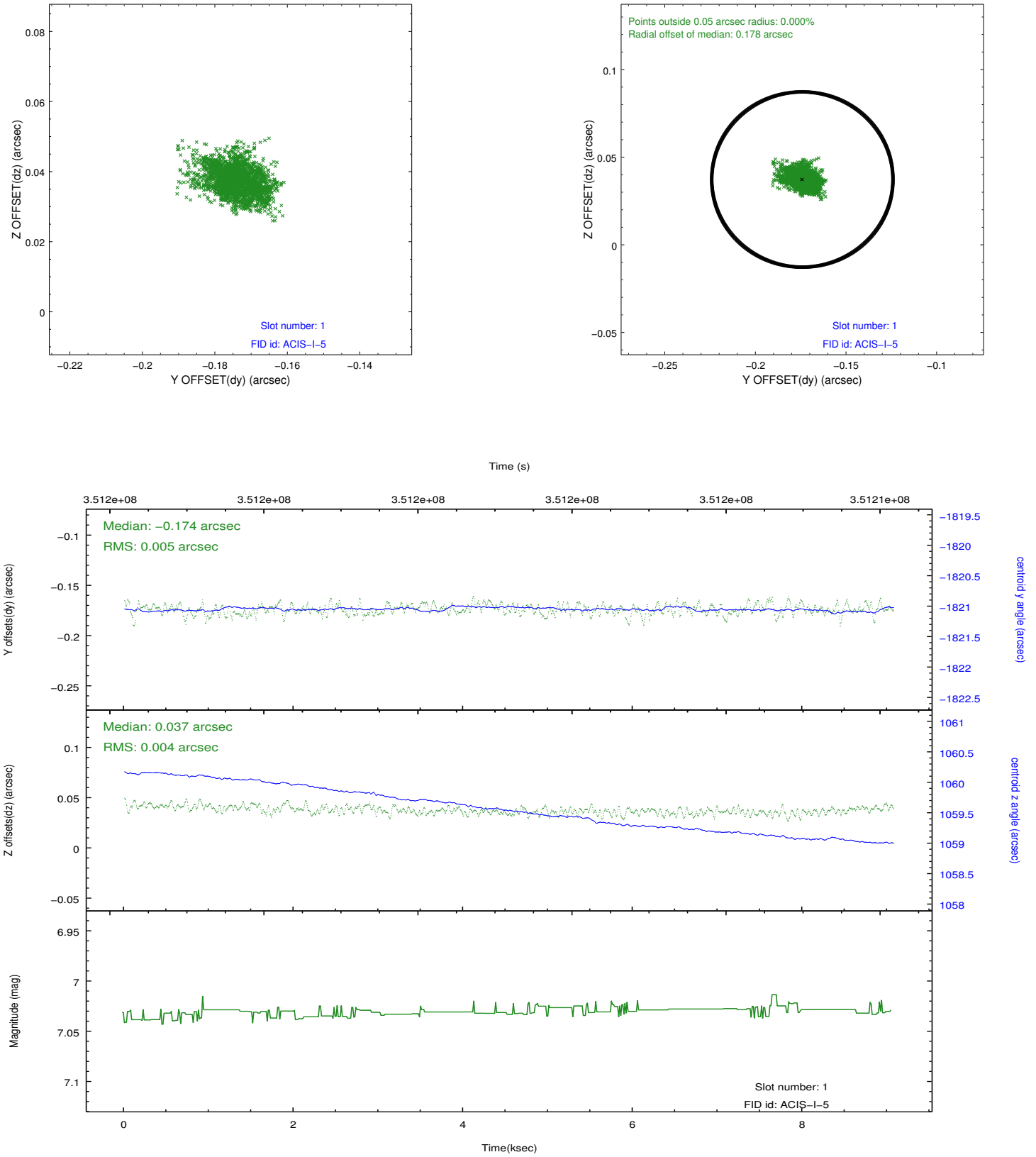


2.5 FID Slots

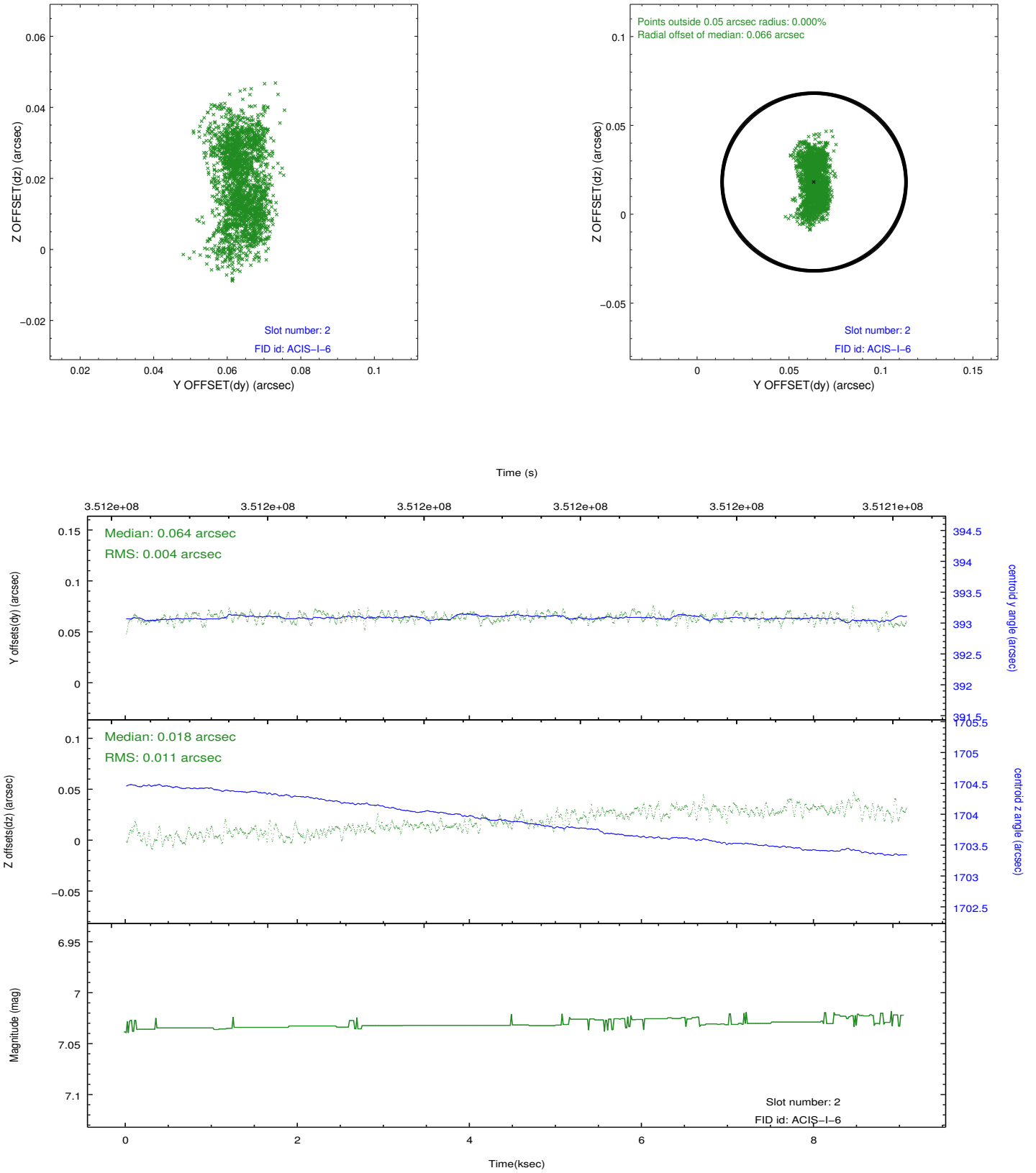
2.5.1 Slot 0



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)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.03520006

A.2 Comments

Window preference met.