

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13538 - L2 Version 2
Chandra X-Ray Center

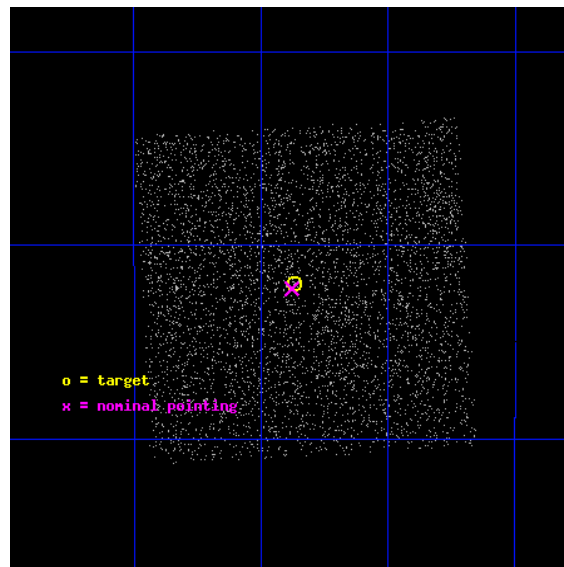
L2 Processing Date : Feb 25 2012

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

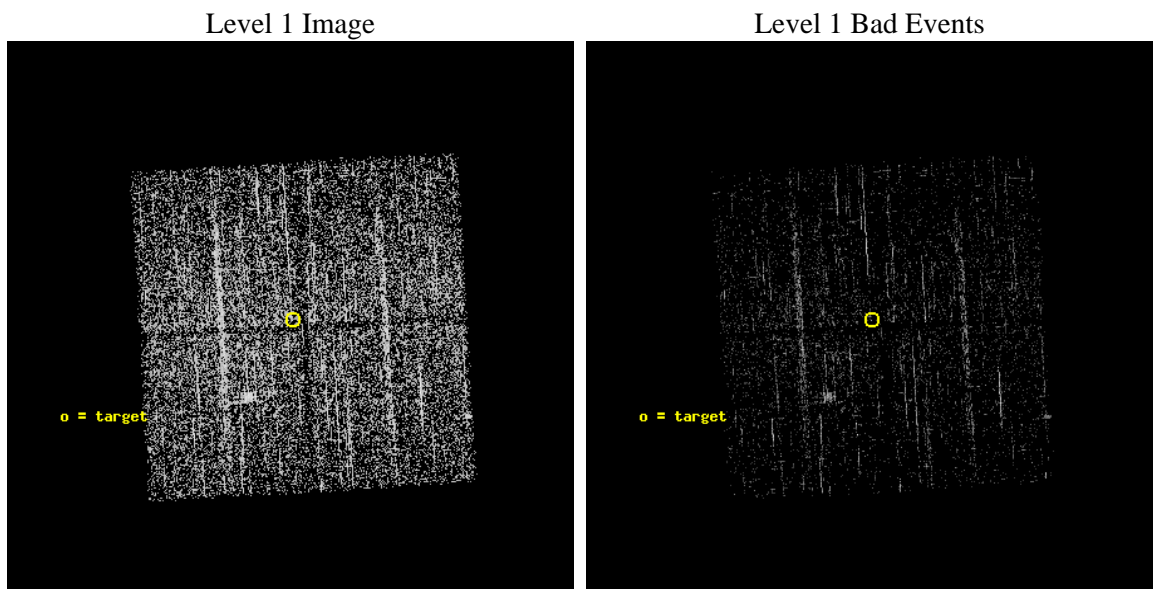
seq_num	401314	Sequence number
obs_id	13538	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	269.592306	Observer's specified target RA [deg]
dec_targ	-27.532641	Observer's specified target Dec [deg]
ra_nom	269.59473833713	Nominal RA [deg]
dec_nom	-27.53772292882	Nominal Dec [deg]
roll_nom	266.63250324253	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1968.5000151396	Sum of GTIs [s]
livetime	1942.7801132532	Livetime [s]
ontime0	1968.5000151396	Sum of GTIs [s]
ontime1	1968.5000151396	Sum of GTIs [s]
ontime2	1968.5000151396	Sum of GTIs [s]
ontime3	1968.5000151396	Sum of GTIs [s]
l2events	5457	Number of level 2 events



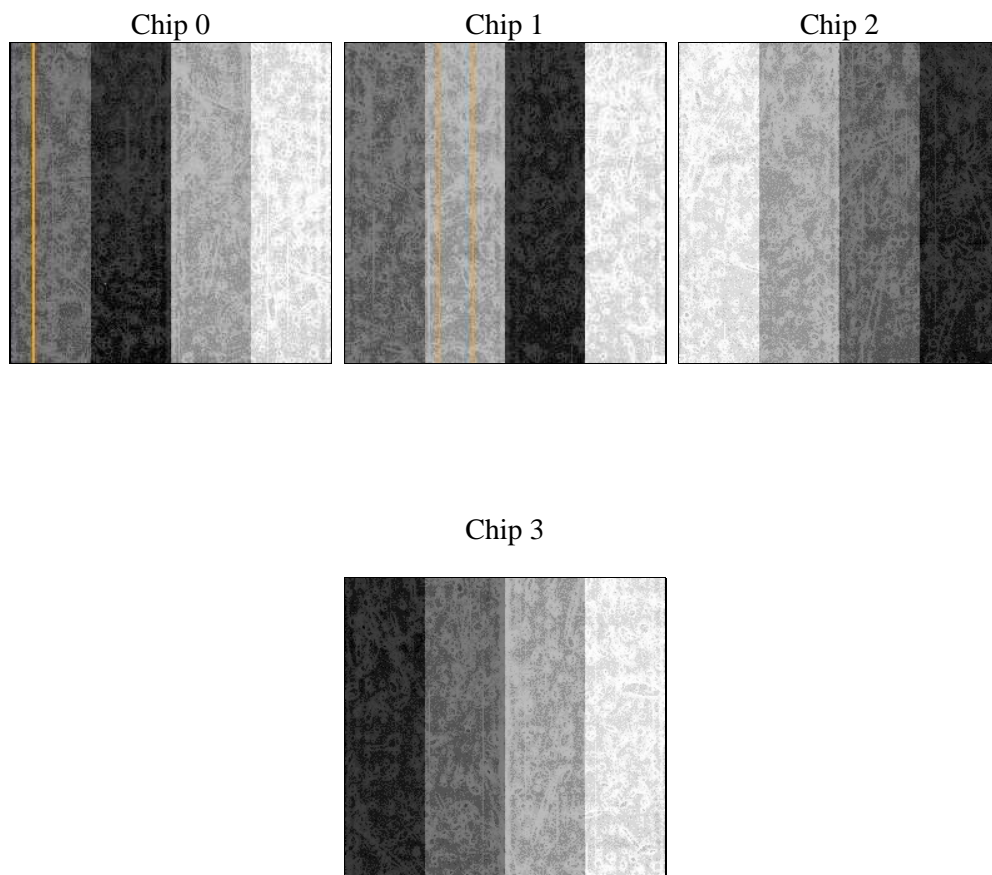
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1968.5000151396	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	1968.5000151396	Sum of GTIs [s]
date	2012-02-26T01:20:09	Date and time of file creation	ontime1	1968.5000151396	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1968.5000151396	Sum of GTIs [s]
			ontime3	1968.5000151396	Sum of GTIs [s]
			l1events	44942	Number of level 1 events

2.1.4 Events

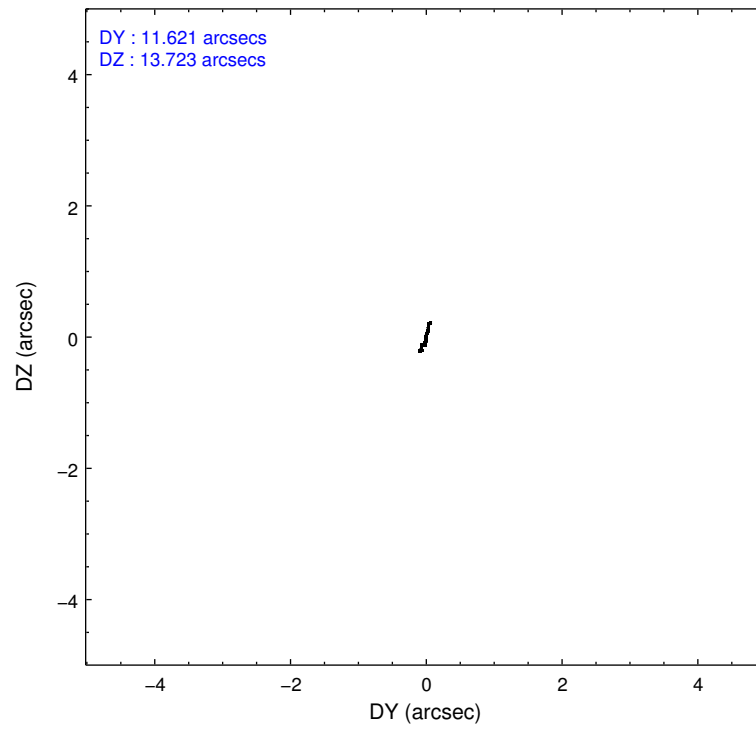
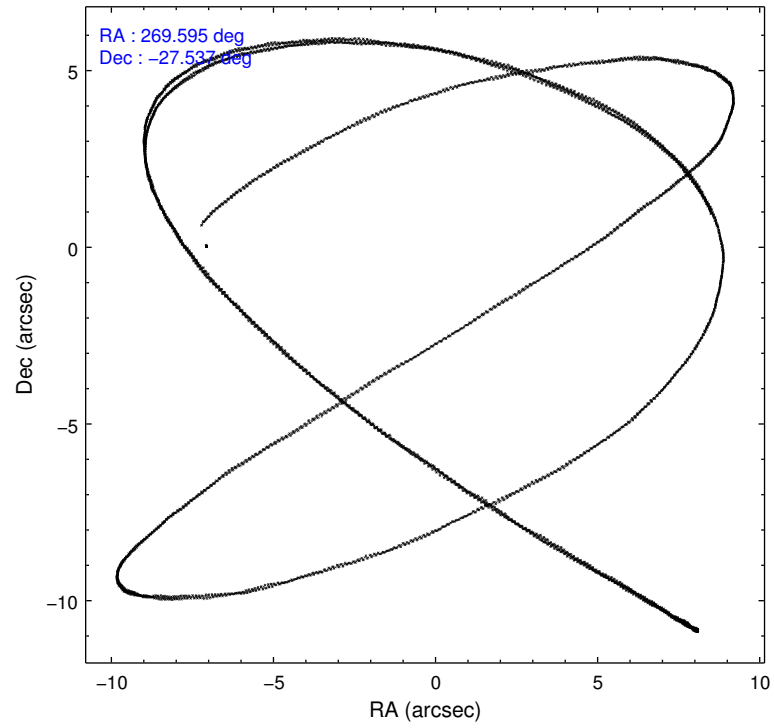
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10640	10787	11616	11899
rejected events	9055	9113	10102	10291
rejected %	85%	84%	86%	86%

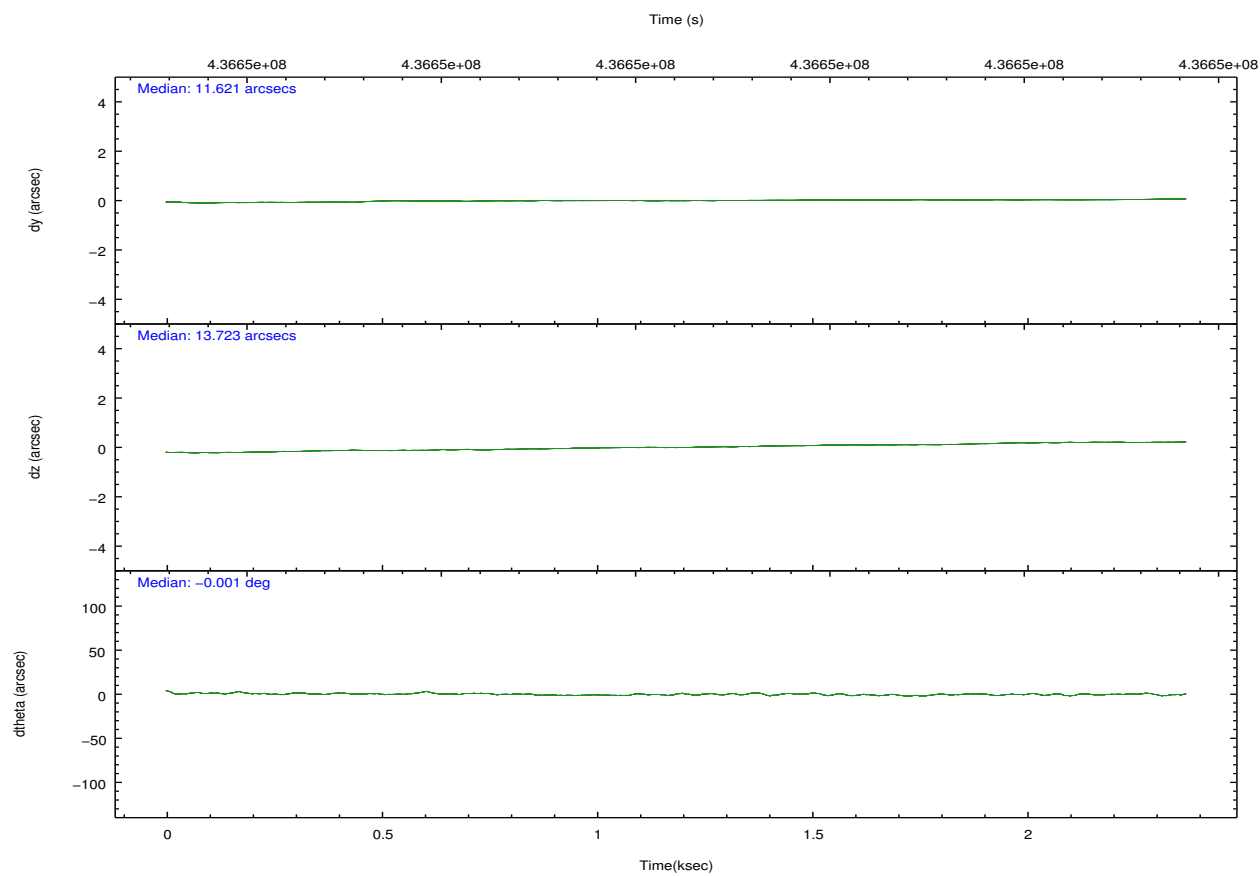
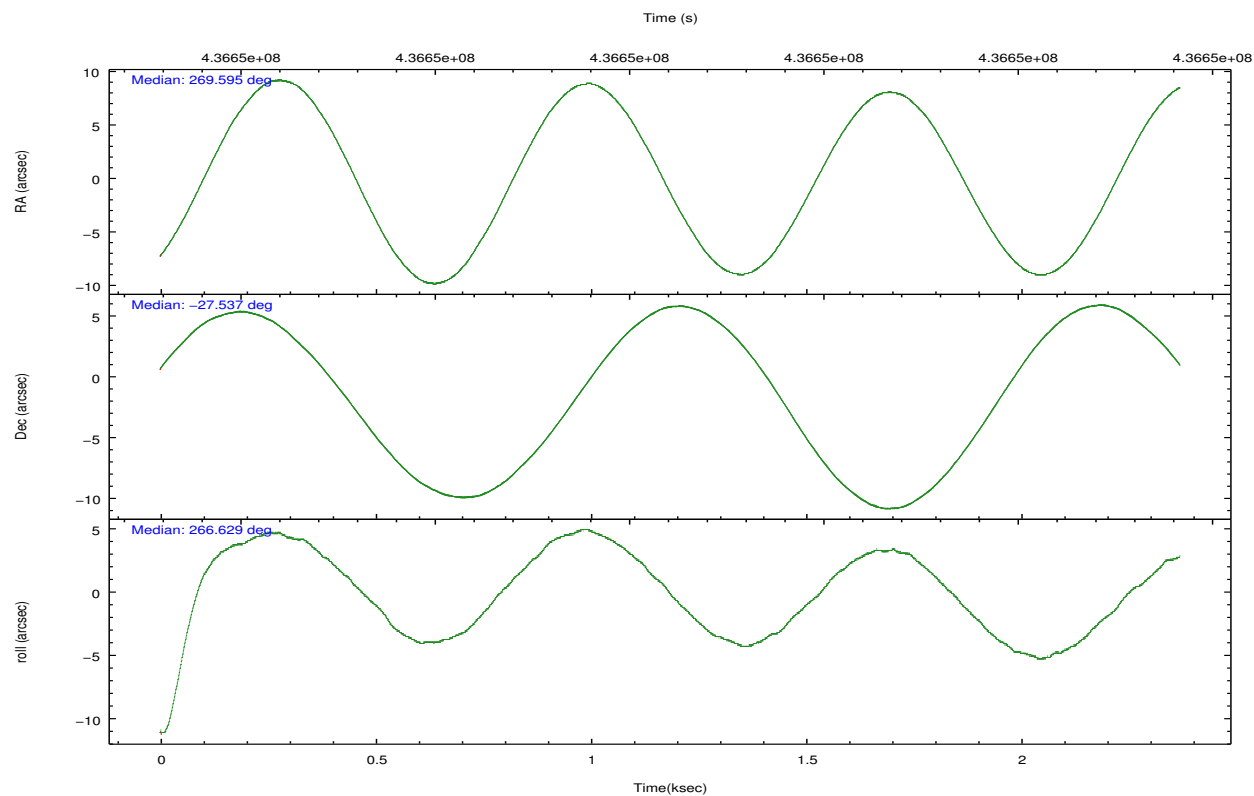
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	647	724	660	703
	6%	6%	5%	5%
grade 1 events	5	5	6	9
	0%	0%	0%	0%
grade 2 events	353	365	296	342
	3%	3%	2%	2%
grade 3 events	150	144	144	125
	1%	1%	1%	1%
grade 4 events	161	176	138	165
	1%	1%	1%	1%
grade 5 events	483	556	526	603
	4%	5%	4%	5%
grade 6 events	278	272	279	276
	2%	2%	2%	2%
grade 7 events	8563	8545	9567	9676
	80%	79%	82%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	269.580664	269.5947383371276	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.513462	-27.53772292882012	Alternating exposures requested	N	N
[deg] Pointing Roll	266.417331	266.6325032425306	[s] Primary exposure time	0.000000	3.1
[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)	436646108.184000	436645732.23847			
Observation start date	2011-11-02T18:34:02	2011-11-02T18:28:52			
[s] Observation end time (MET)	436648288.184000	436648570.97612			
Observation end date	2011-11-02T19:10:22	2011-11-02T19:16:10			
Read mode	TIMED	TIMED			

2.3 Aspect



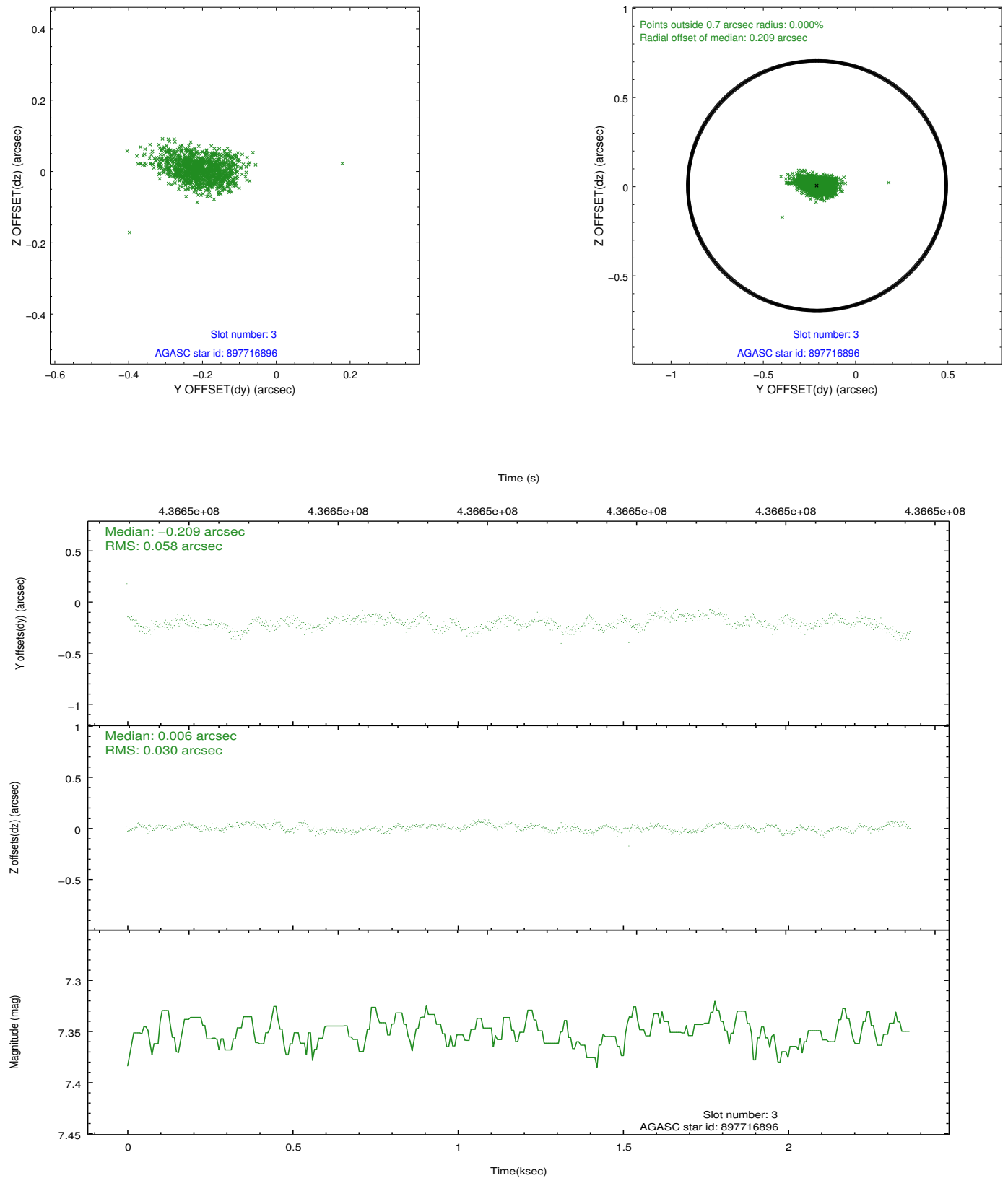


Slot Statistics

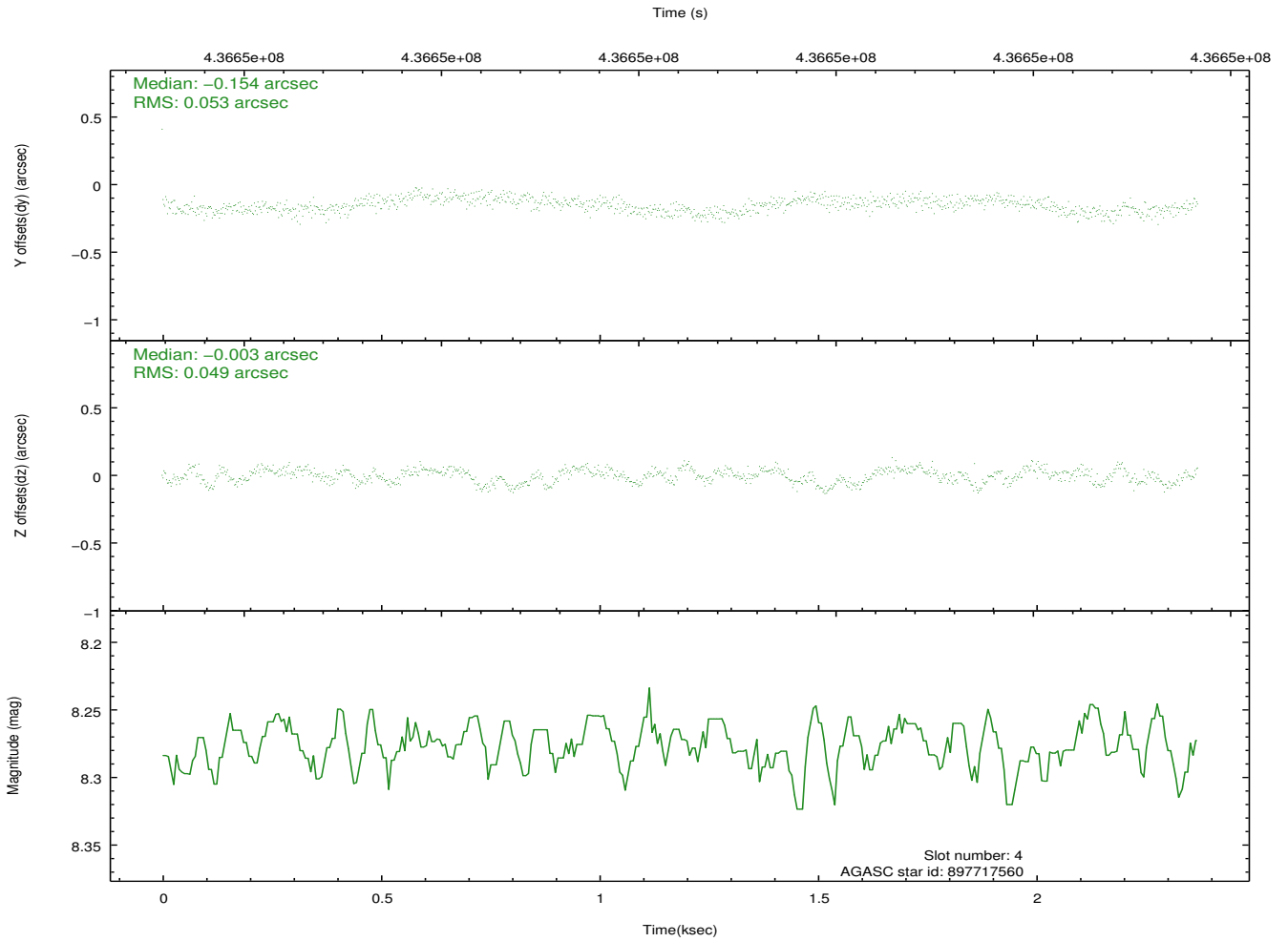
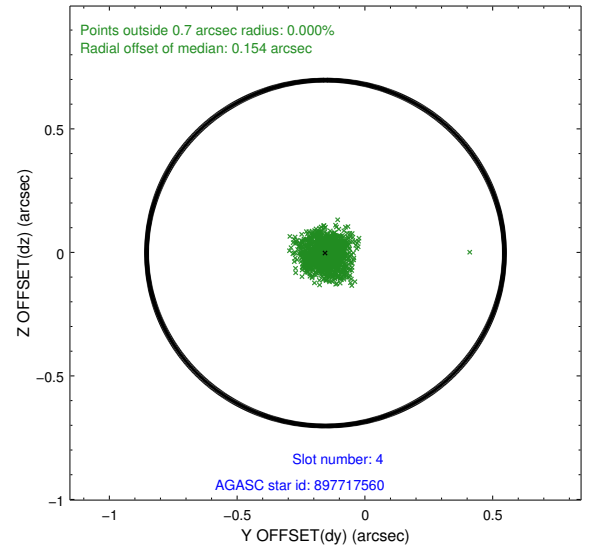
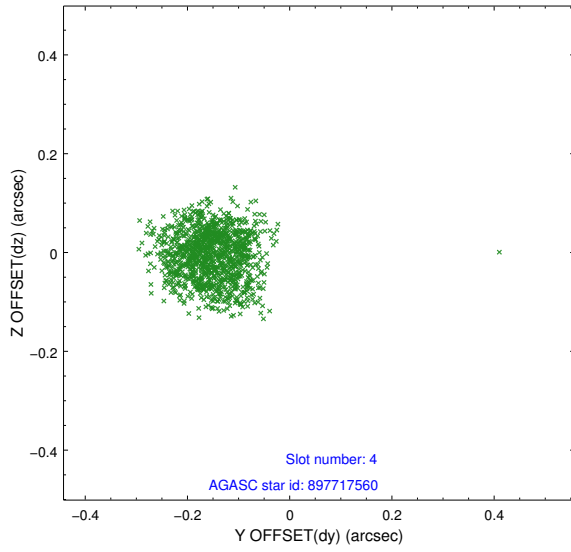
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	579	-0.035	0.070	0.009	0.017	0.000000	0.000000	927.89	-837.24
1	FID	ACIS-I-2	6.96	578	-0.173	-0.093	0.006	0.011	0.000000	0.000000	-764.82	-845.19
2	FID	ACIS-I-4	6.98	579	0.110	0.091	0.007	0.012	0.000000	0.000000	2146.70	1061.19
3	GUIDE	897716896	7.35	1157	-0.209	0.006	0.065	0.112	269.902616	-27.069631	-1656.77	930.22
4	GUIDE	897717560	8.28	1156	-0.154	-0.003	0.076	0.117	268.905529	-26.931201	-1950.80	-2292.82
5	GUIDE	897721048	7.91	1157	0.088	0.045	0.085	0.141	268.989561	-28.030814	1980.59	-1759.91
6	GUIDE	897720616	8.58	1157	-0.026	0.005	0.062	0.104	269.886360	-27.876425	1247.50	1051.20
7	GUIDE	898236888	8.72	1155	0.303	-0.052	0.076	0.120	269.539947	-28.141730	2268.16	13.33

2.4 Star Slots

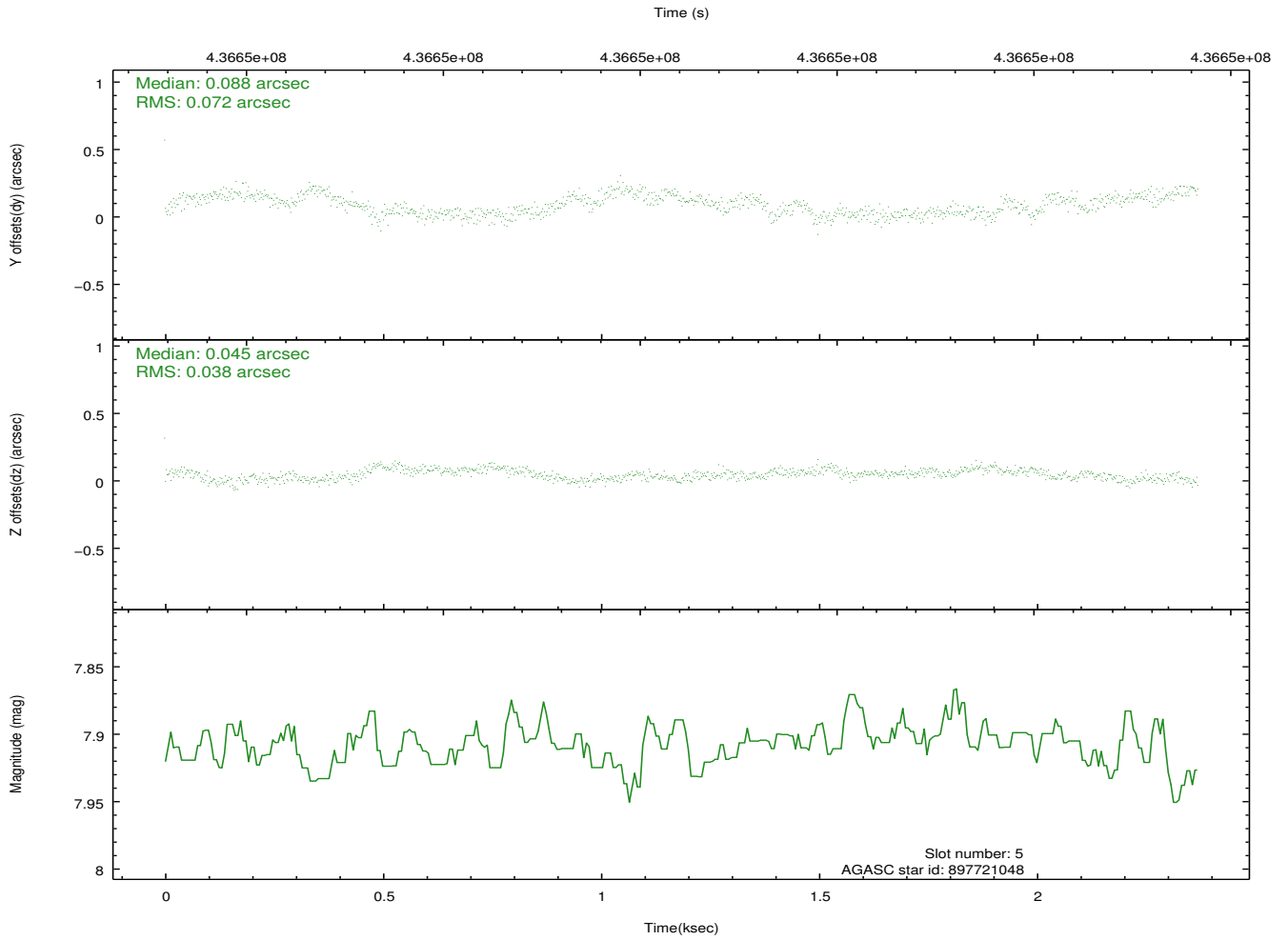
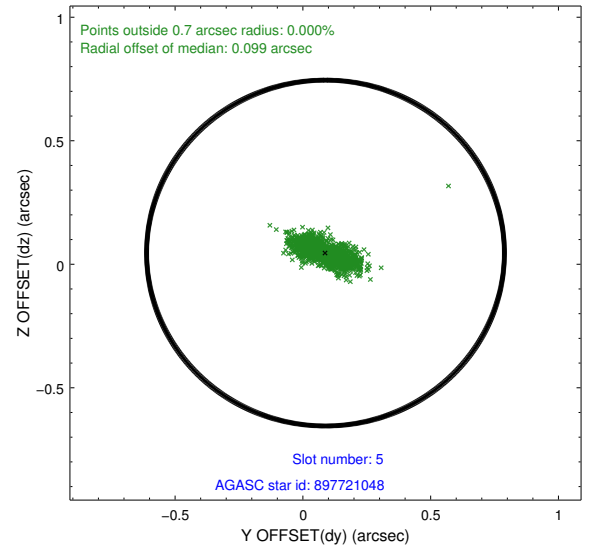
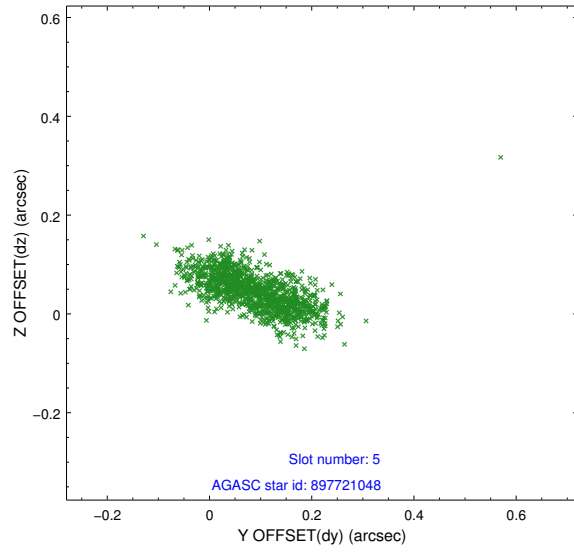
2.4.1 Slot 3



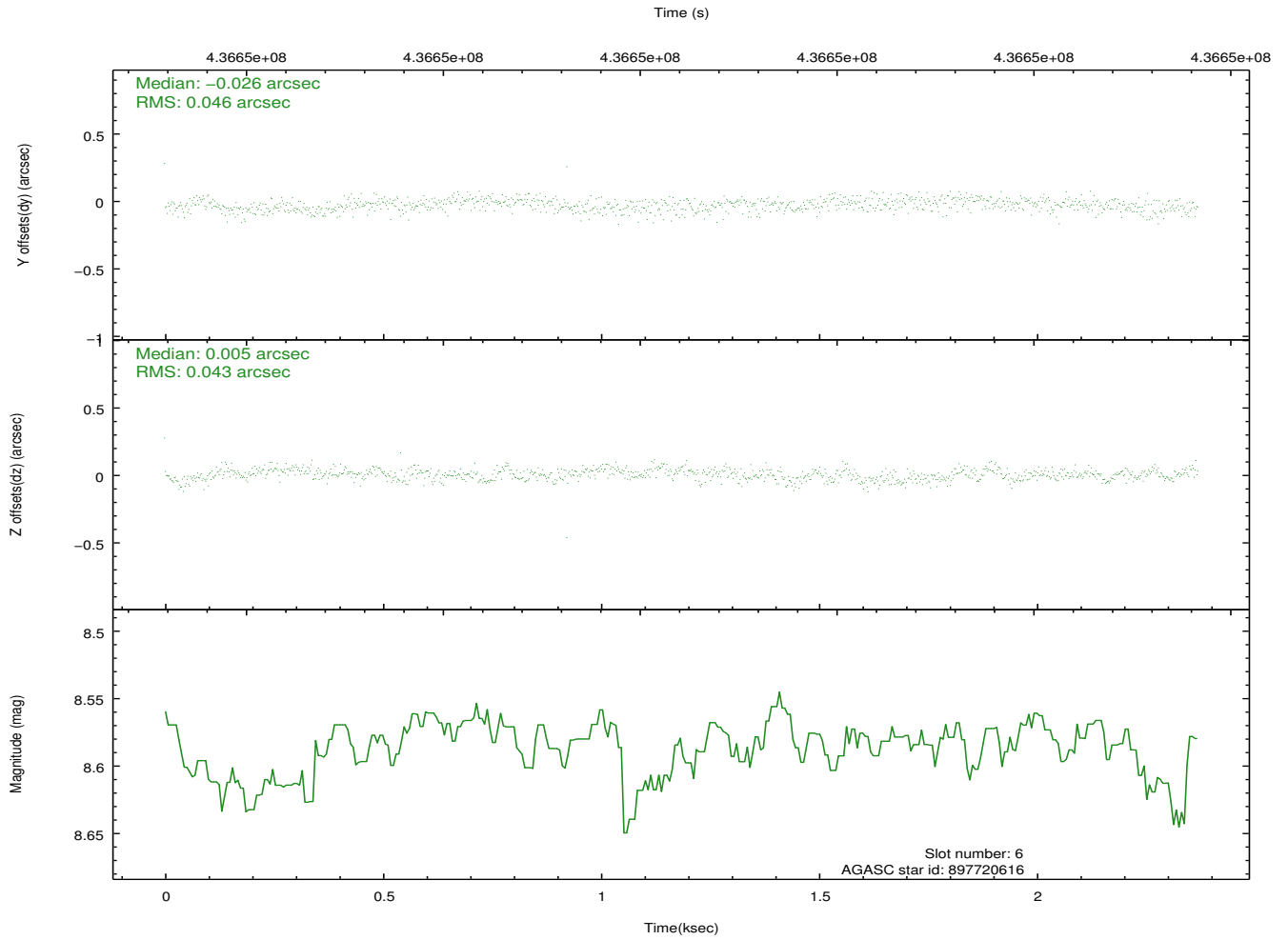
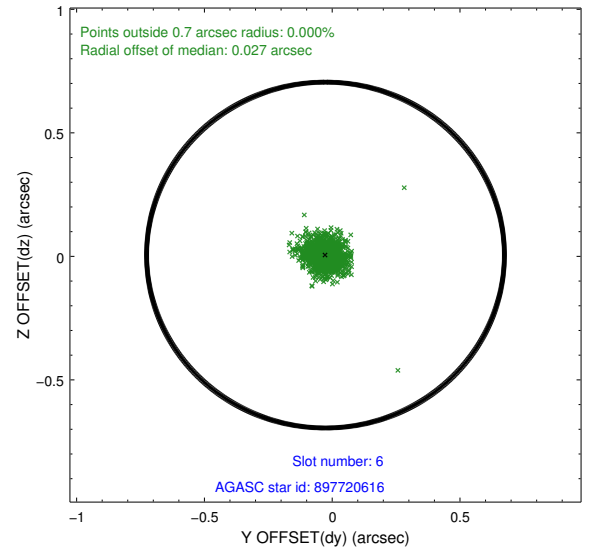
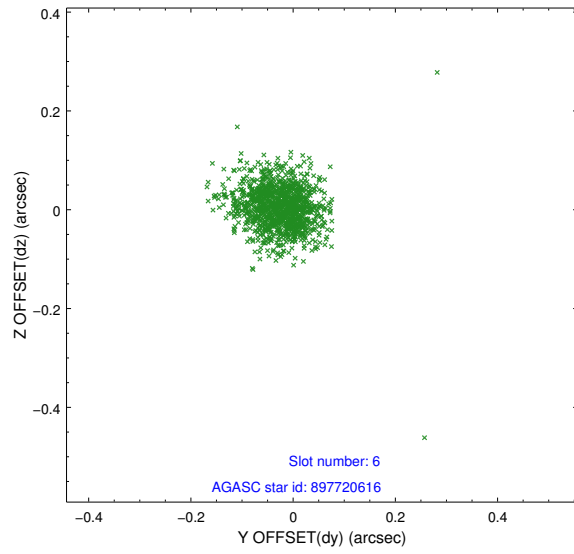
2.4.2 Slot 4



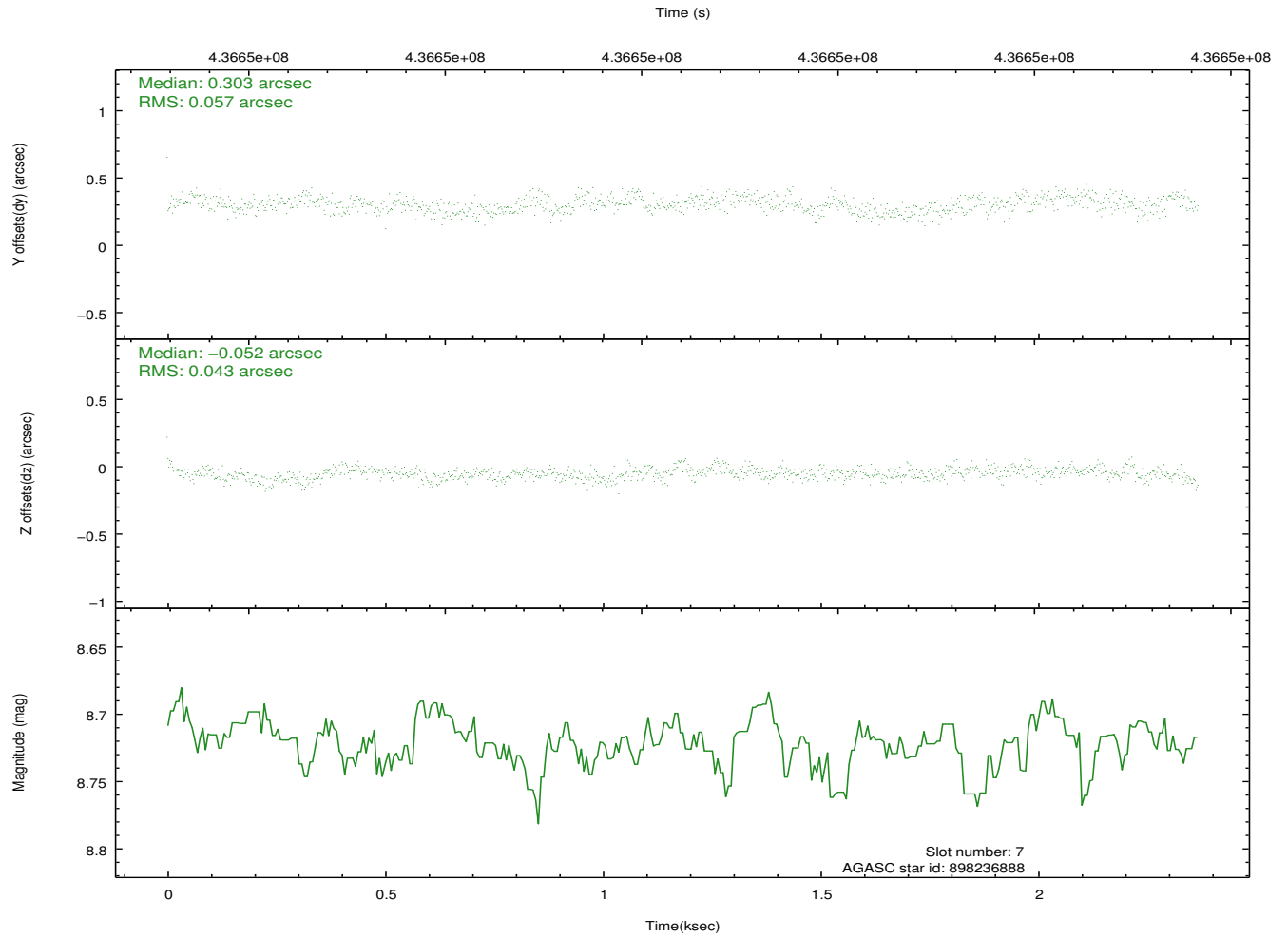
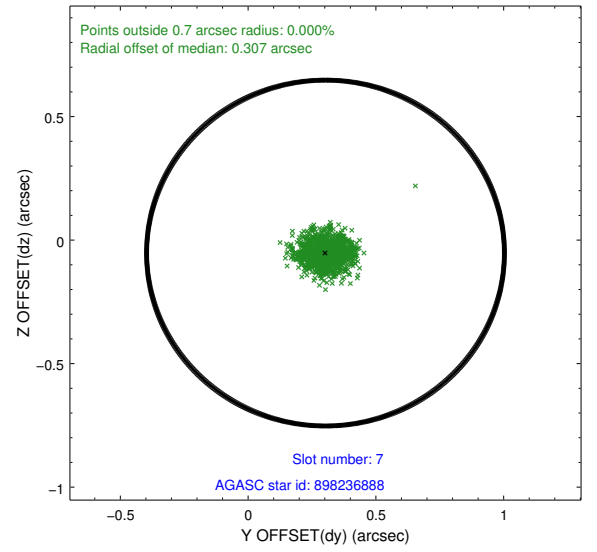
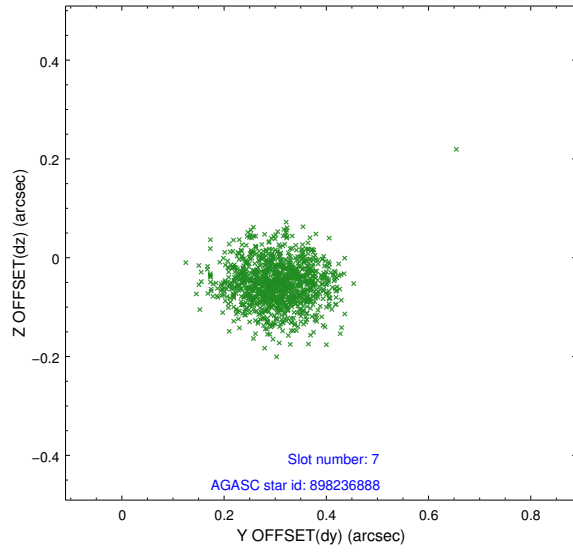
2.4.3 Slot 5



2.4.4 Slot 6

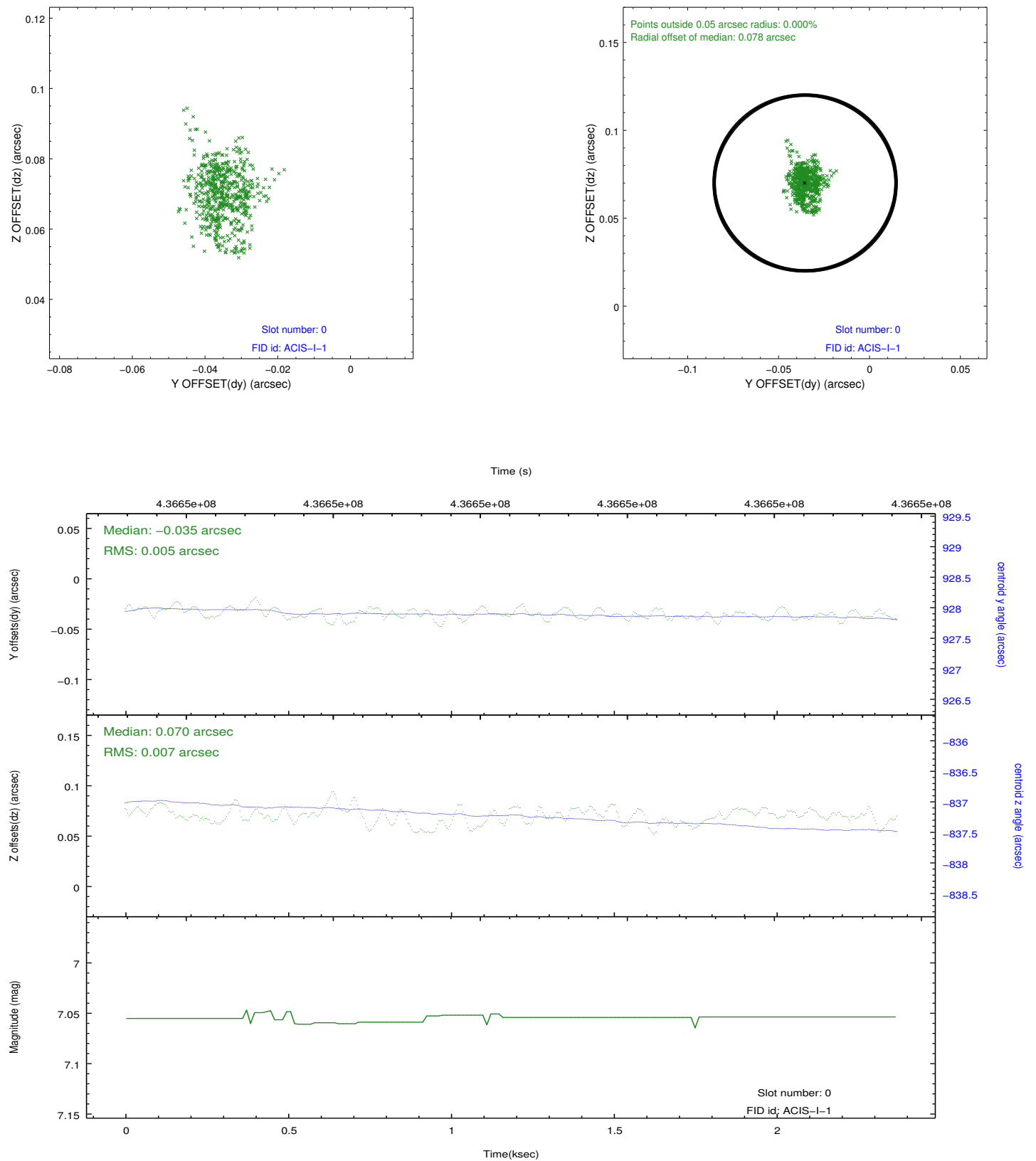


2.4.5 Slot 7

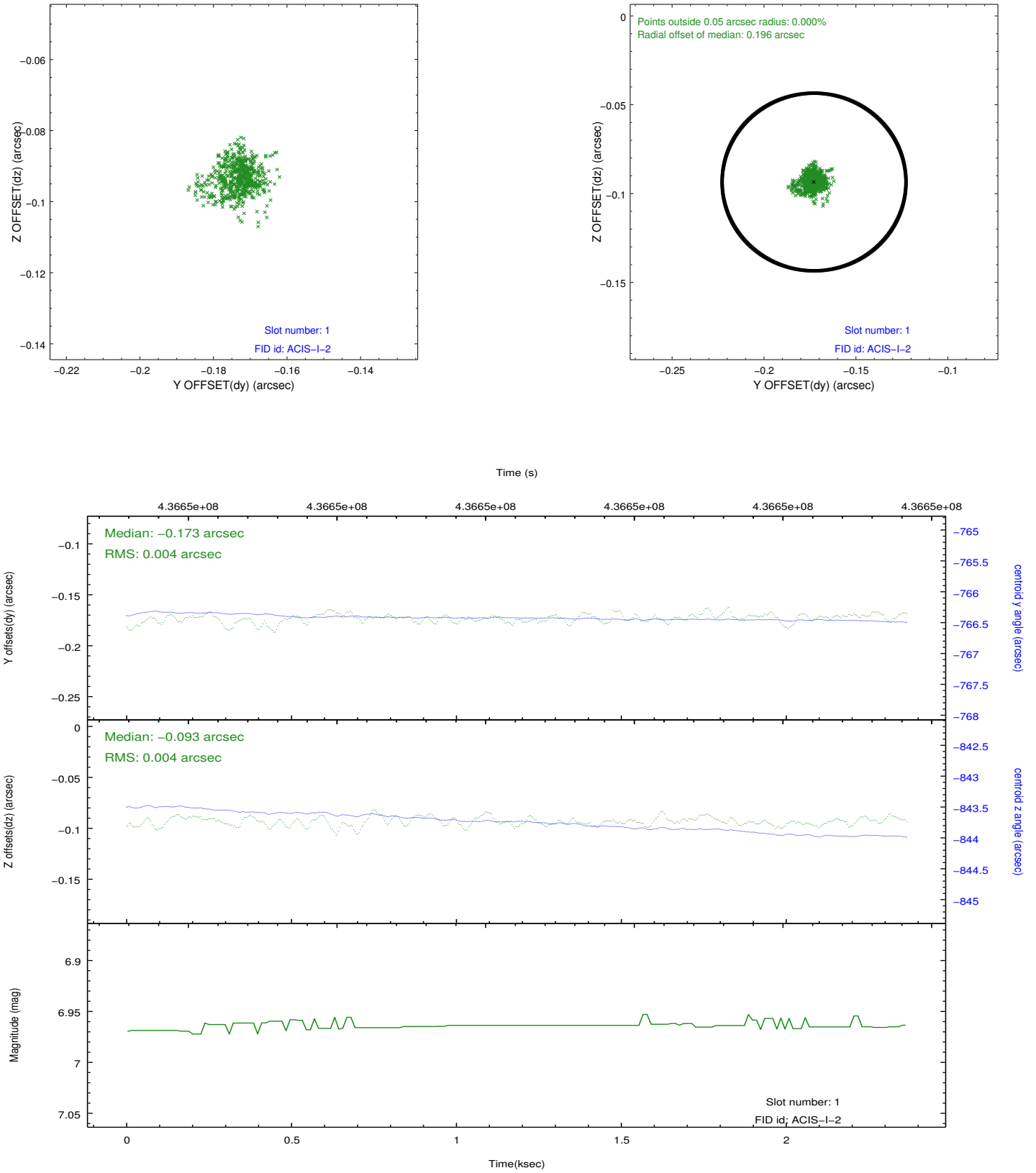


2.5 FID Slots

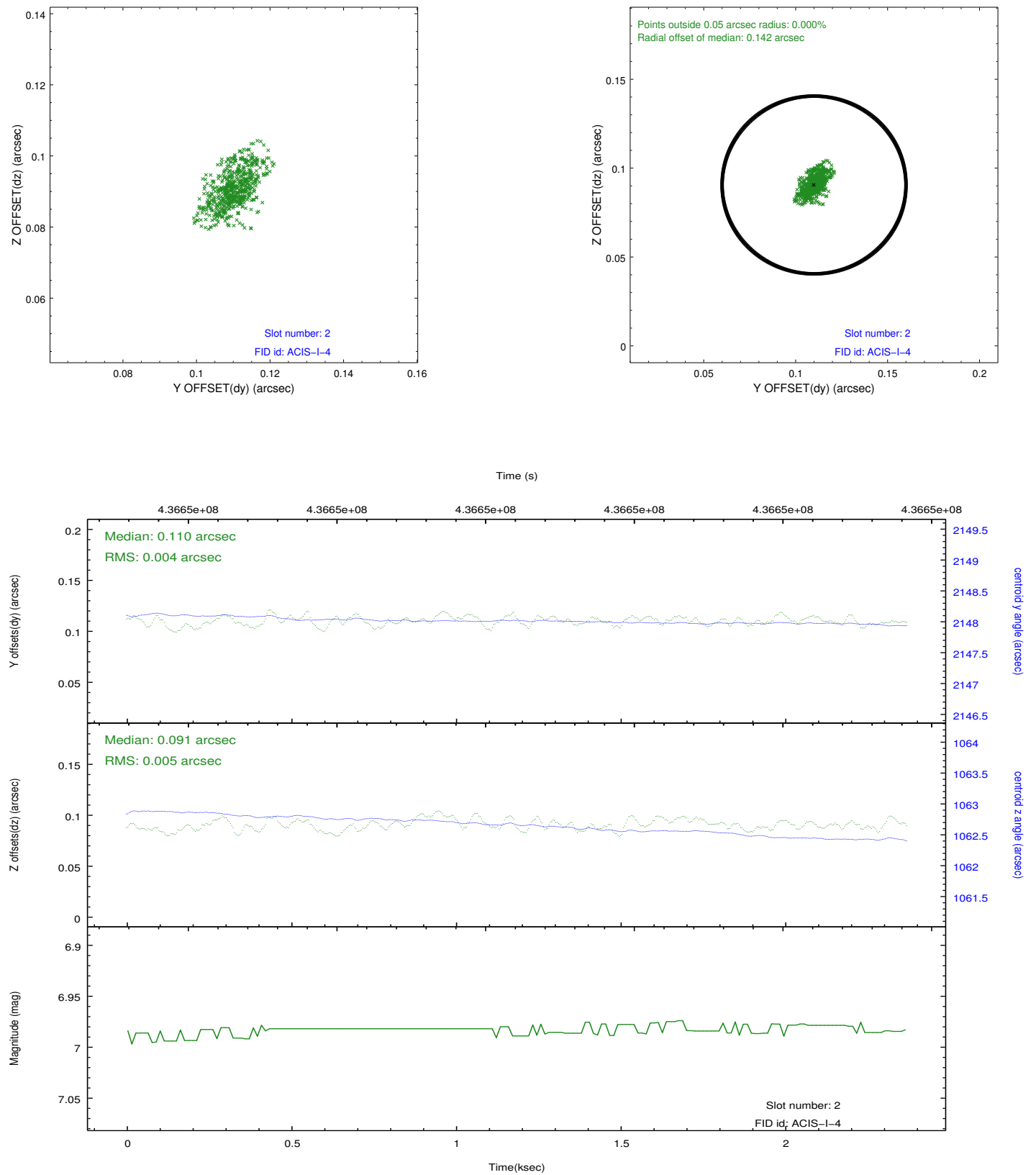
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9685000151396

A.2 Comments

Joint proposal: NOAO