

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5379 - L2 Version 4
Chandra X-Ray Center

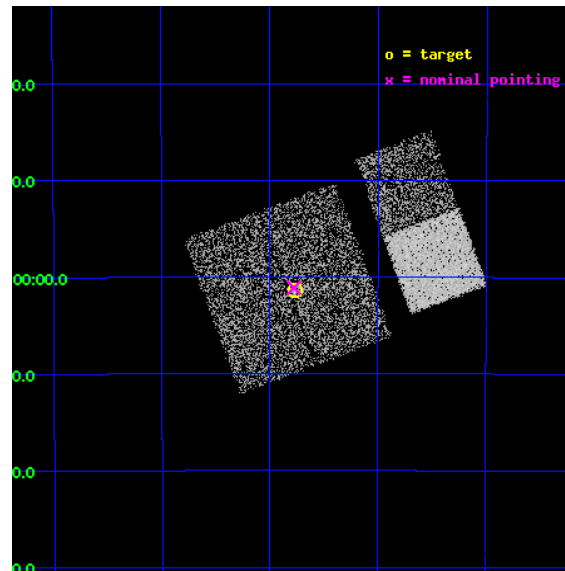
L2 Processing Date : Dec 16 2012

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

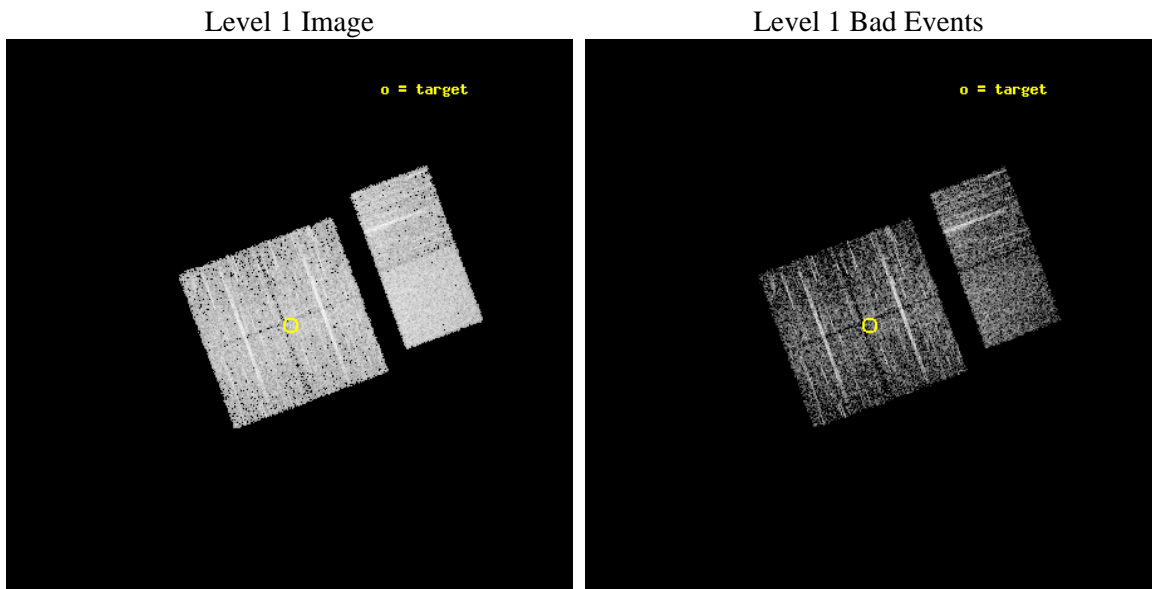
seq_num	200314	Sequence number
obs_id	5379	Observation id
title	Search for beta Pic analogs	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HR 4794	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.94	Observer's specified target RA [deg]
dec_targ	-41.021944	Observer's specified target Dec [deg]
ra_nom	188.94431046577	Nominal RA [deg]
dec_nom	-41.01869995919	Nominal Dec [deg]
roll_nom	69.694627044021	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3135.9999883175	Sum of GTIs [s]
livetime	3096.2900681929	Livetime [s]
ontime0	3135.9999883175	Sum of GTIs [s]
ontime1	3135.9999883175	Sum of GTIs [s]
ontime2	3135.9999883175	Sum of GTIs [s]
ontime3	3135.9999883175	Sum of GTIs [s]
ontime6	3135.9999883175	Sum of GTIs [s]
ontime7	3135.9999883175	Sum of GTIs [s]
l2events	23956	Number of level 2 events



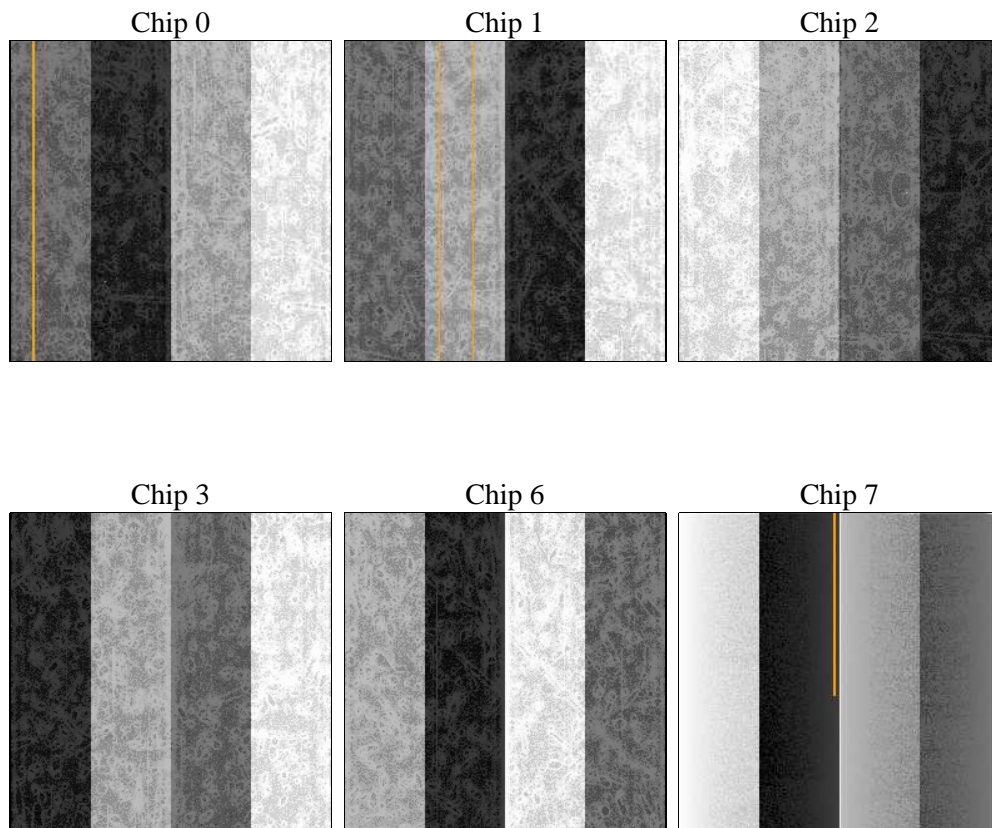
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	3135.9999883175	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	3135.9999883175	Sum of GTIs [s]
date	2012-12-15T20:33:44	Date and time of file creation	ontime1	3135.9999883175	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3135.9999883175	Sum of GTIs [s]
			ontime3	3135.9999883175	Sum of GTIs [s]
			ontime6	3135.9999883175	Sum of GTIs [s]
			ontime7	3135.9999883175	Sum of GTIs [s]
			l1events	227273	Number of level 1 events

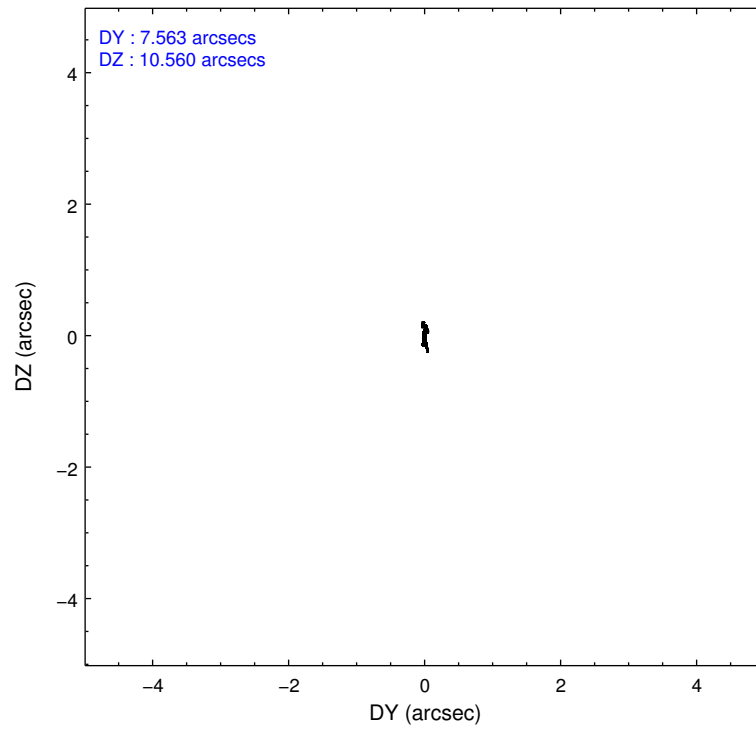
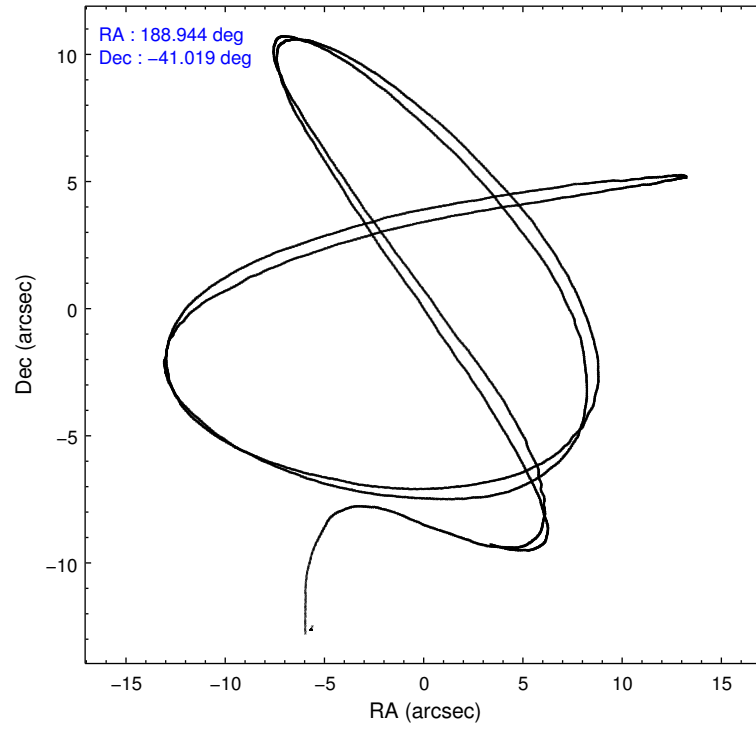
2.1.4 Events

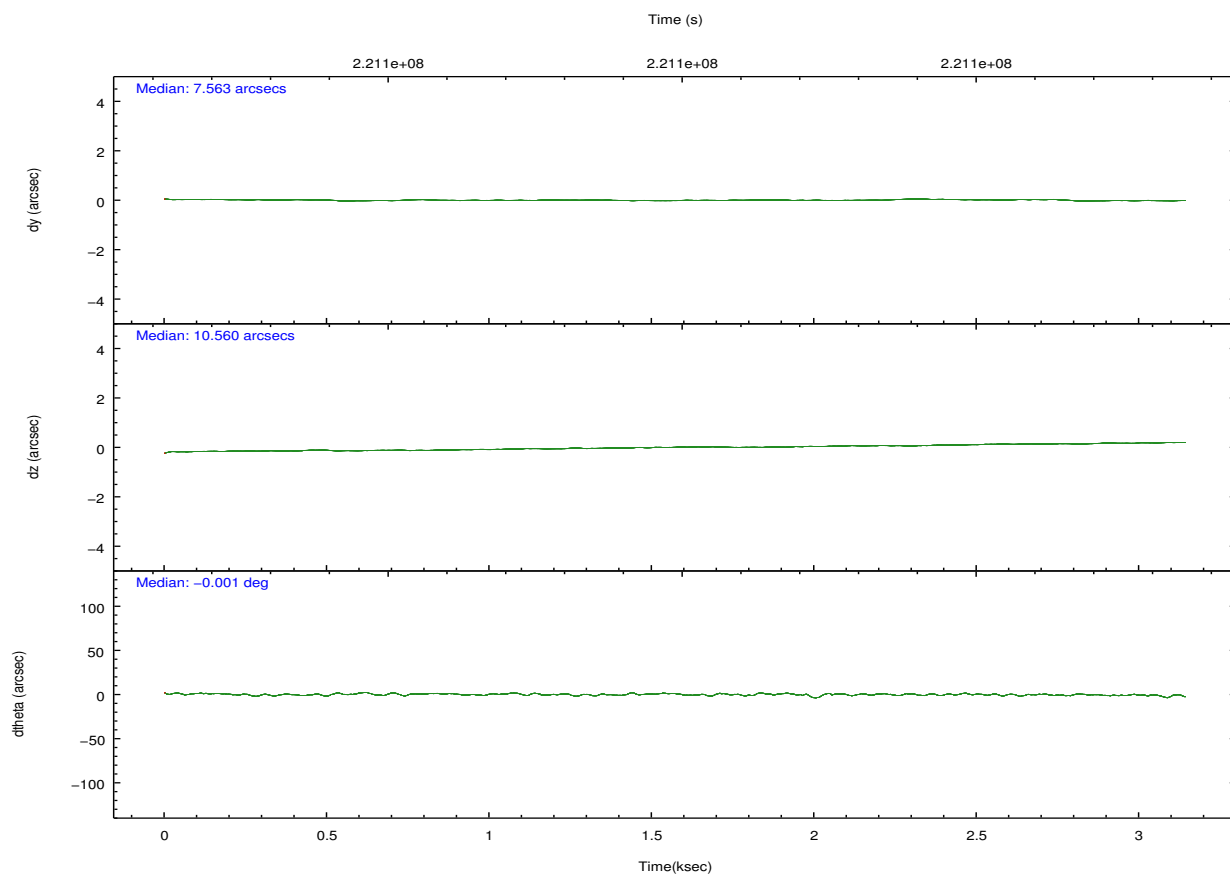
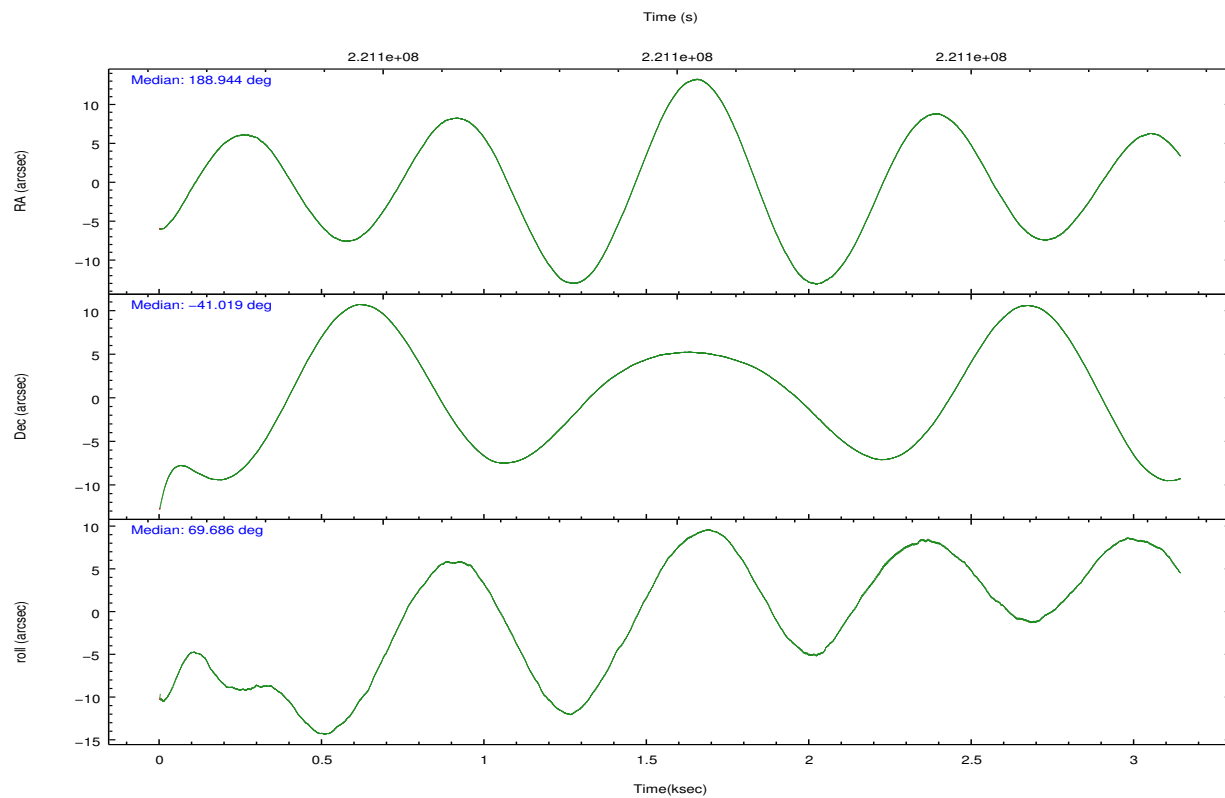
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33891	32772	36865	35566	37473	50706	grade 0 events	1904	1815	2027	1927	1784	1772
rejected events	31161	29962	34190	32904	34839	38075		5%	5%	5%	5%	4%	3%
rejected %	91%	91%	92%	92%	92%	75%	grade 1 events	15	20	15	29	21	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	932	943	875	822	944	4184
								2%	2%	2%	2%	2%	8%
							grade 3 events	437	469	412	440	376	1767
								1%	1%	1%	1%	1%	3%
							grade 4 events	406	427	399	401	406	1785
								1%	1%	1%	1%	1%	3%
							grade 5 events	1513	1527	1400	1697	1674	4696
								4%	4%	3%	4%	4%	9%
							grade 6 events	771	904	704	749	861	11135
								2%	2%	1%	2%	2%	21%
							grade 7 events	27913	26667	31033	29501	31407	25320
								82%	81%	84%	82%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	188.950474	188.9443104657734	Subarray requested	NONE	NONE
[deg] Pointing Dec	-41.045532	-41.01869995918954	Alternating exposures requested	N	N
[deg] Pointing Roll	69.490006	69.69462704402122	[s] Primary exposure time	0.000000	3.2
[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)	221098545.184000	221096489.14474			
Observation start date	2005-01-03T00:14:41	2005-01-02T23:41:29			
[s] Observation end time (MET)	221101545.184000	221102092.82			
Observation end date	2005-01-03T01:04:41	2005-01-03T01:14:52			
Read mode	TIMED	TIMED			

2.3 Aspect



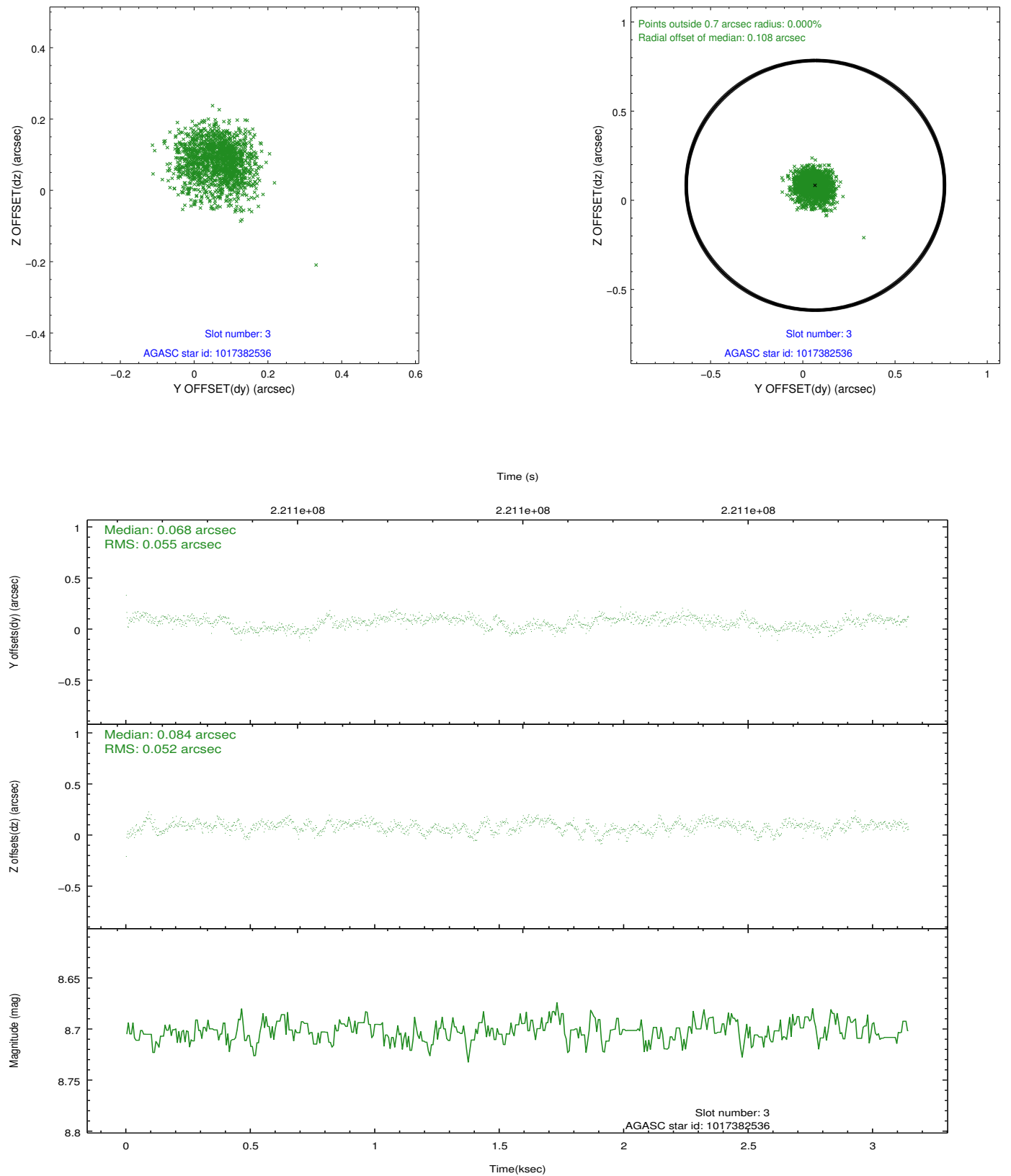


Slot Statistics

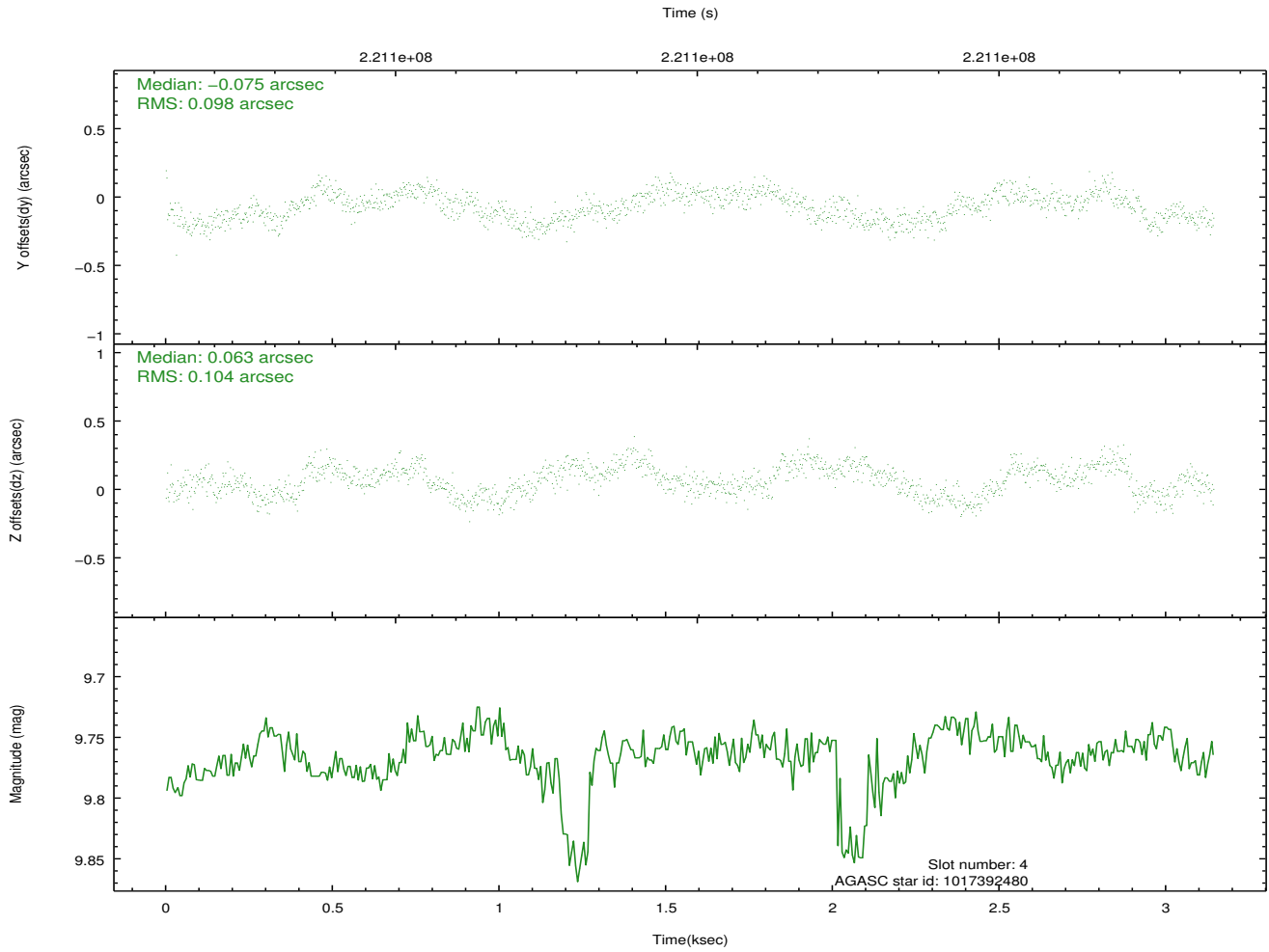
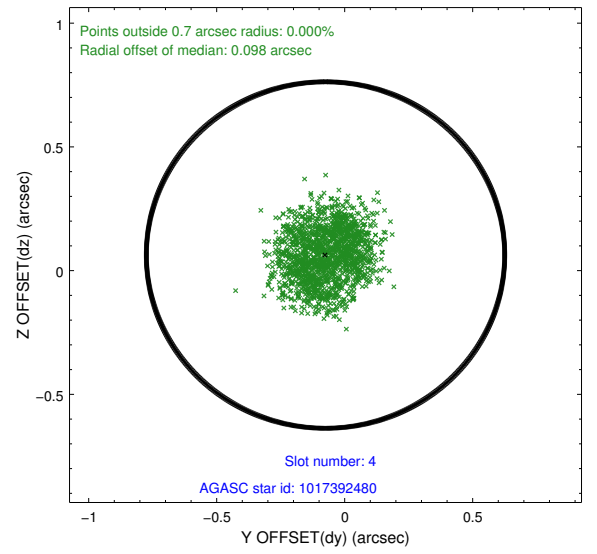
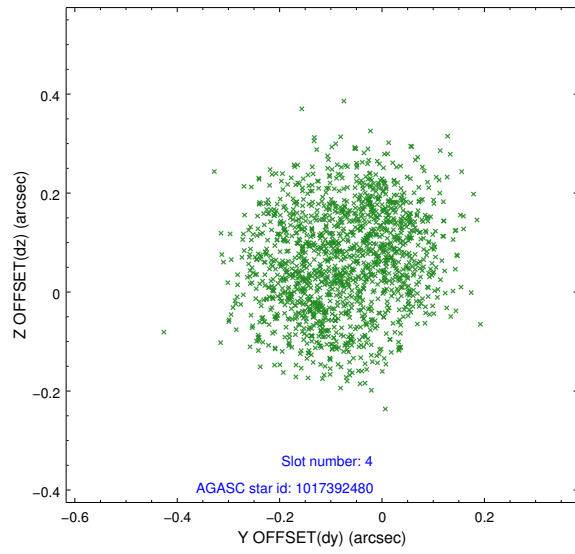
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	767	-0.067	0.045	0.012	0.020	0.000000	0.000000	932.02	-834.00
1	FID	ACIS-I-2	7.14	767	-0.123	-0.070	0.007	0.012	0.000000	0.000000	-760.99	-841.55
2	FID	ACIS-I-4	7.17	767	0.092	0.093	0.008	0.014	0.000000	0.000000	2151.17	1064.82
3	GUIDE	1017382536	8.70	1534	0.068	0.084	0.081	0.129	188.702953	-41.234604	-872.61	390.50
4	GUIDE	1017392480	9.76	1529	-0.075	0.063	0.158	0.230	188.884153	-40.854018	582.36	411.60
5	GUIDE	1017395696	8.21	1534	-0.064	0.002	0.066	0.110	188.557203	-40.828568	354.62	1277.25
6	GUIDE	1017922224	7.03	1534	0.074	0.131	0.076	0.129	188.370074	-41.414074	-1795.89	1002.27
7	GUIDE	1017382616	6.75	1533	0.006	-0.277	0.070	0.107	187.996740	-41.055132	-953.70	2408.45

2.4 Star Slots

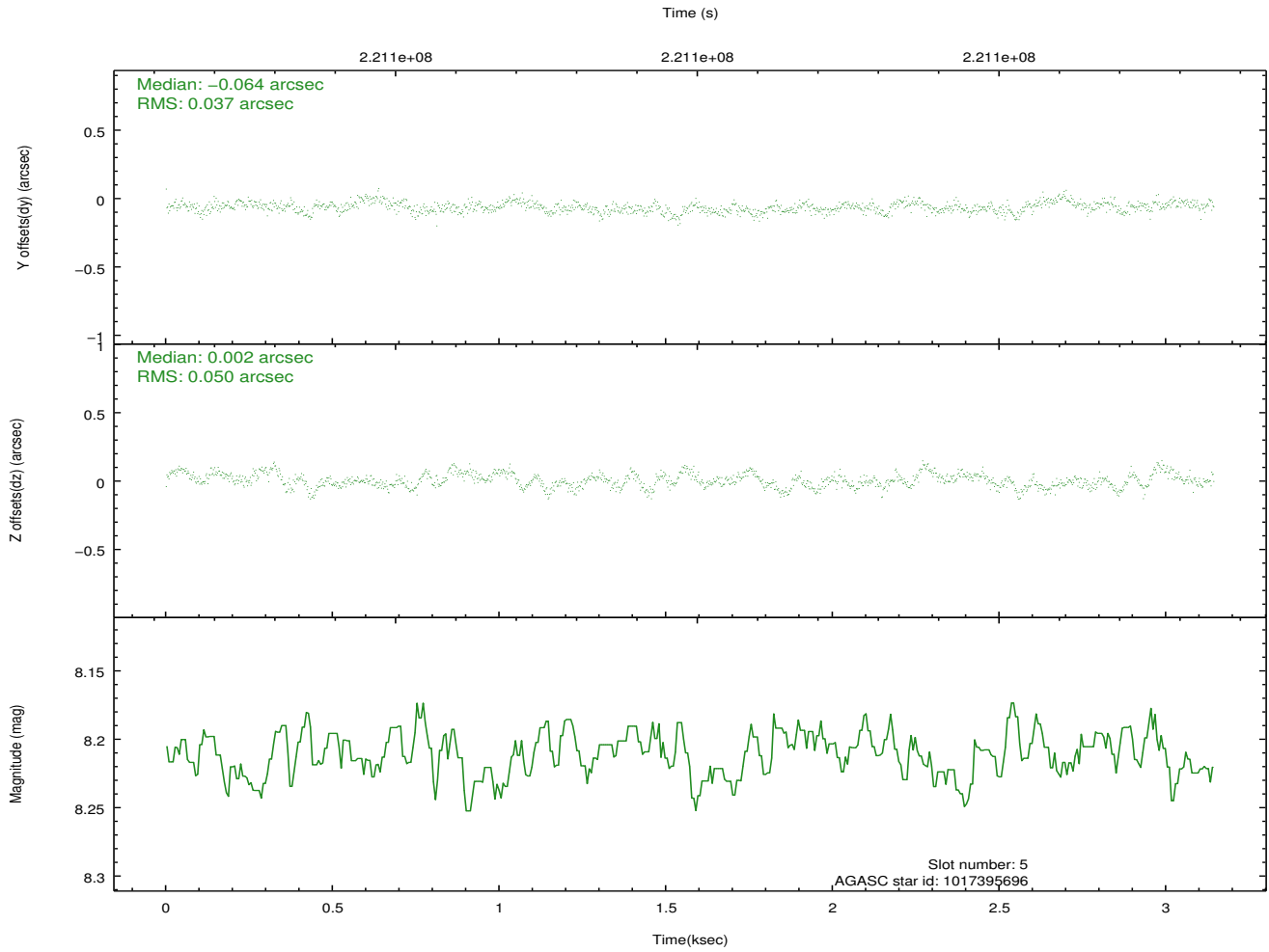
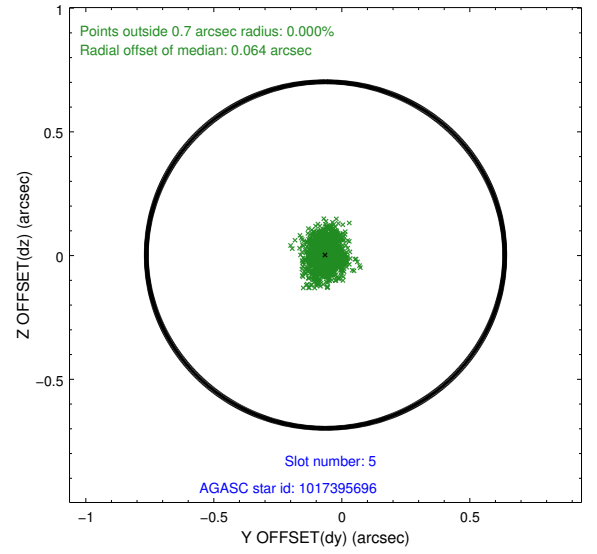
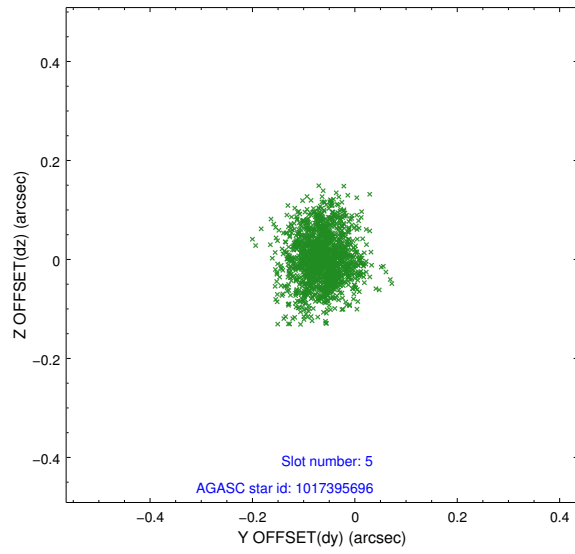
2.4.1 Slot 3



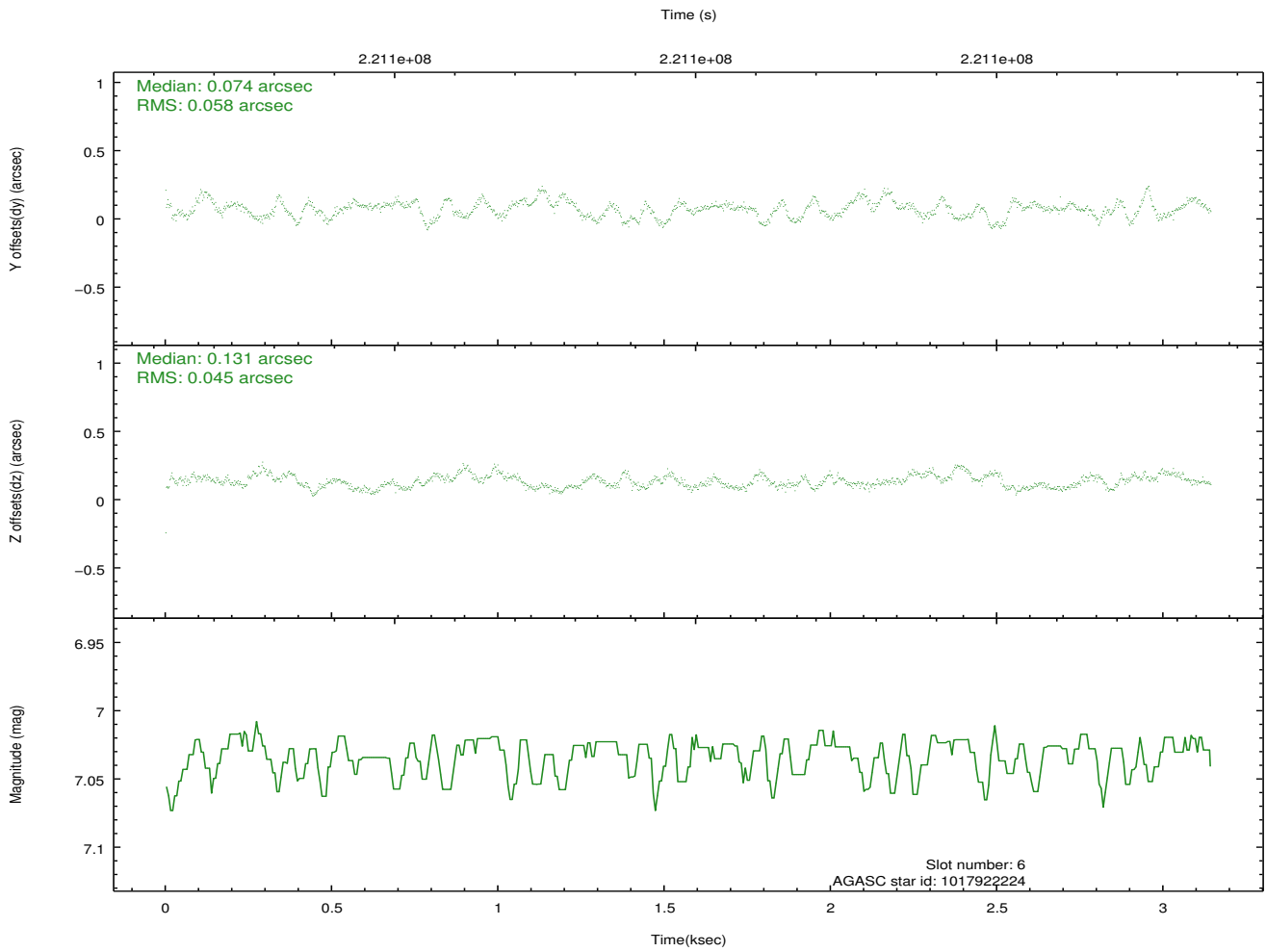
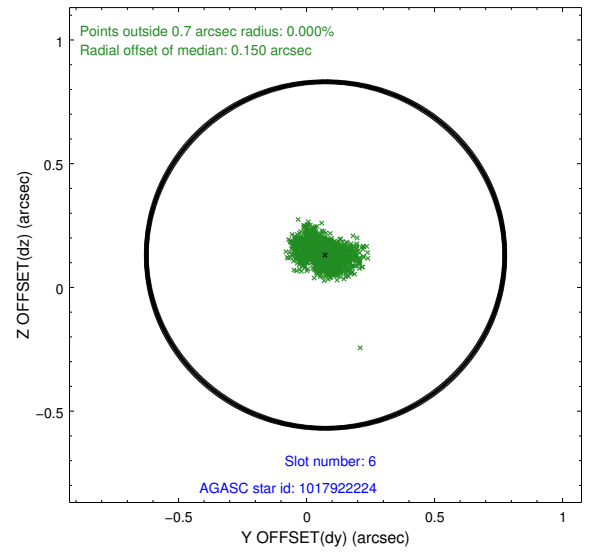
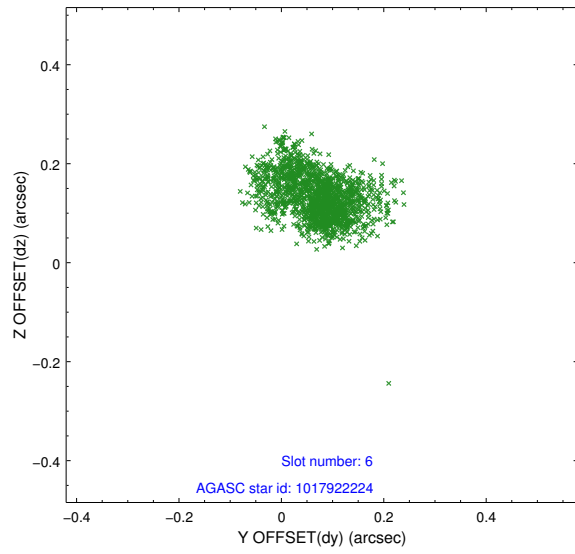
2.4.2 Slot 4



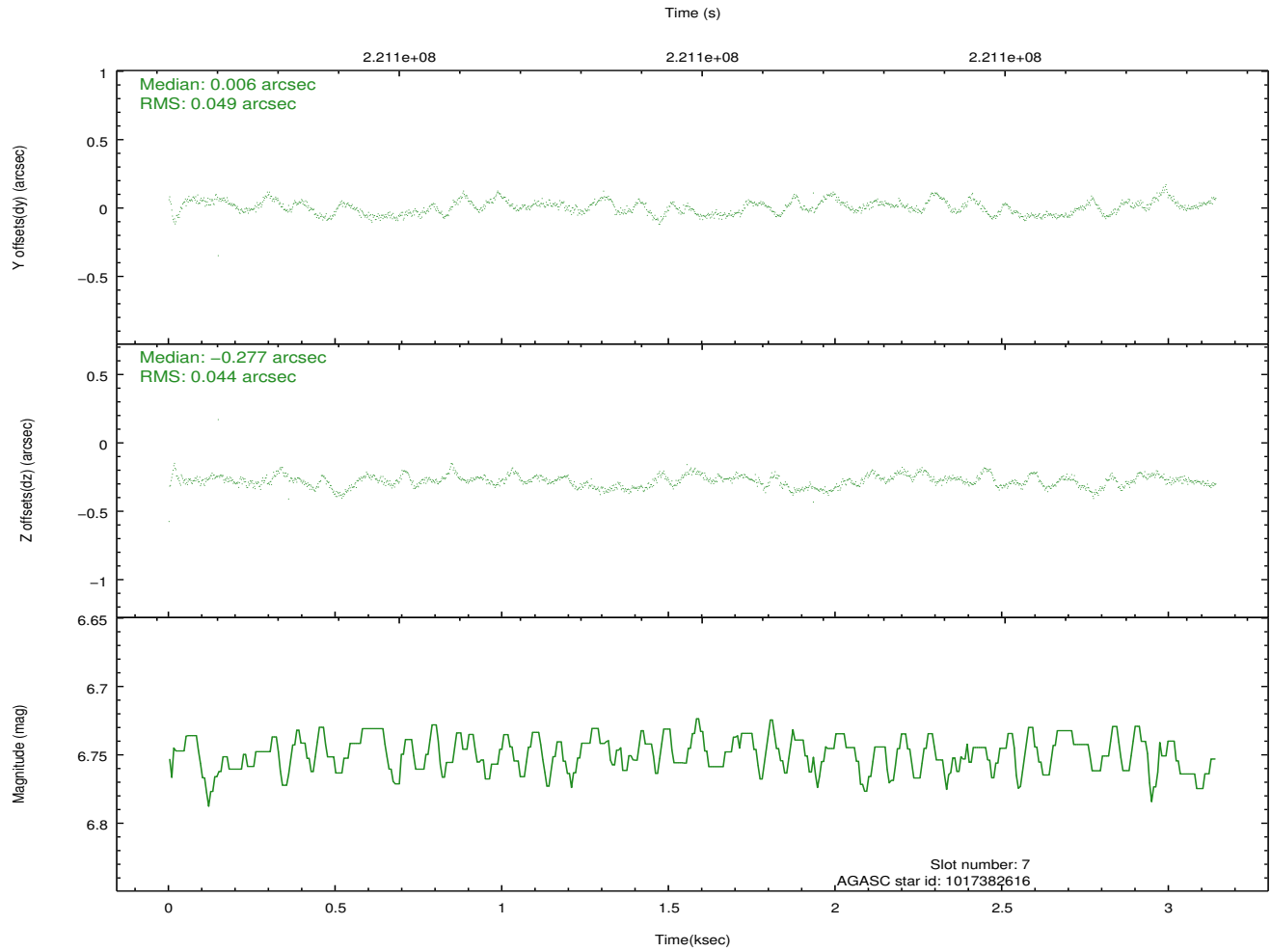
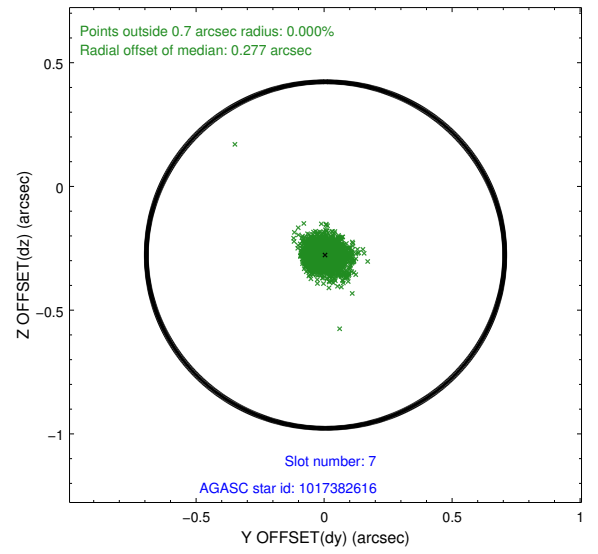
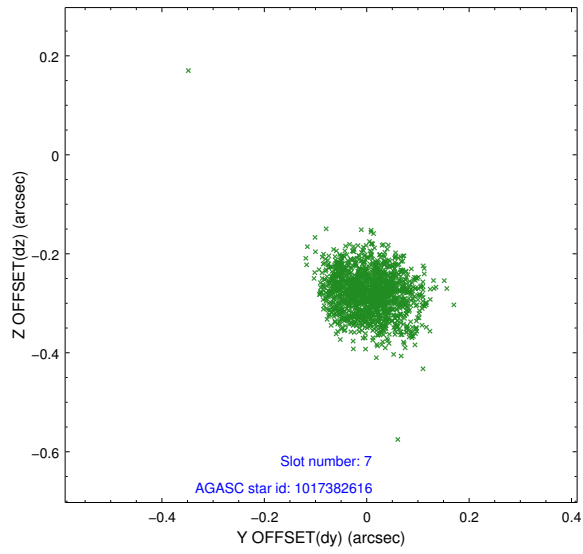
2.4.3 Slot 5



2.4.4 Slot 6

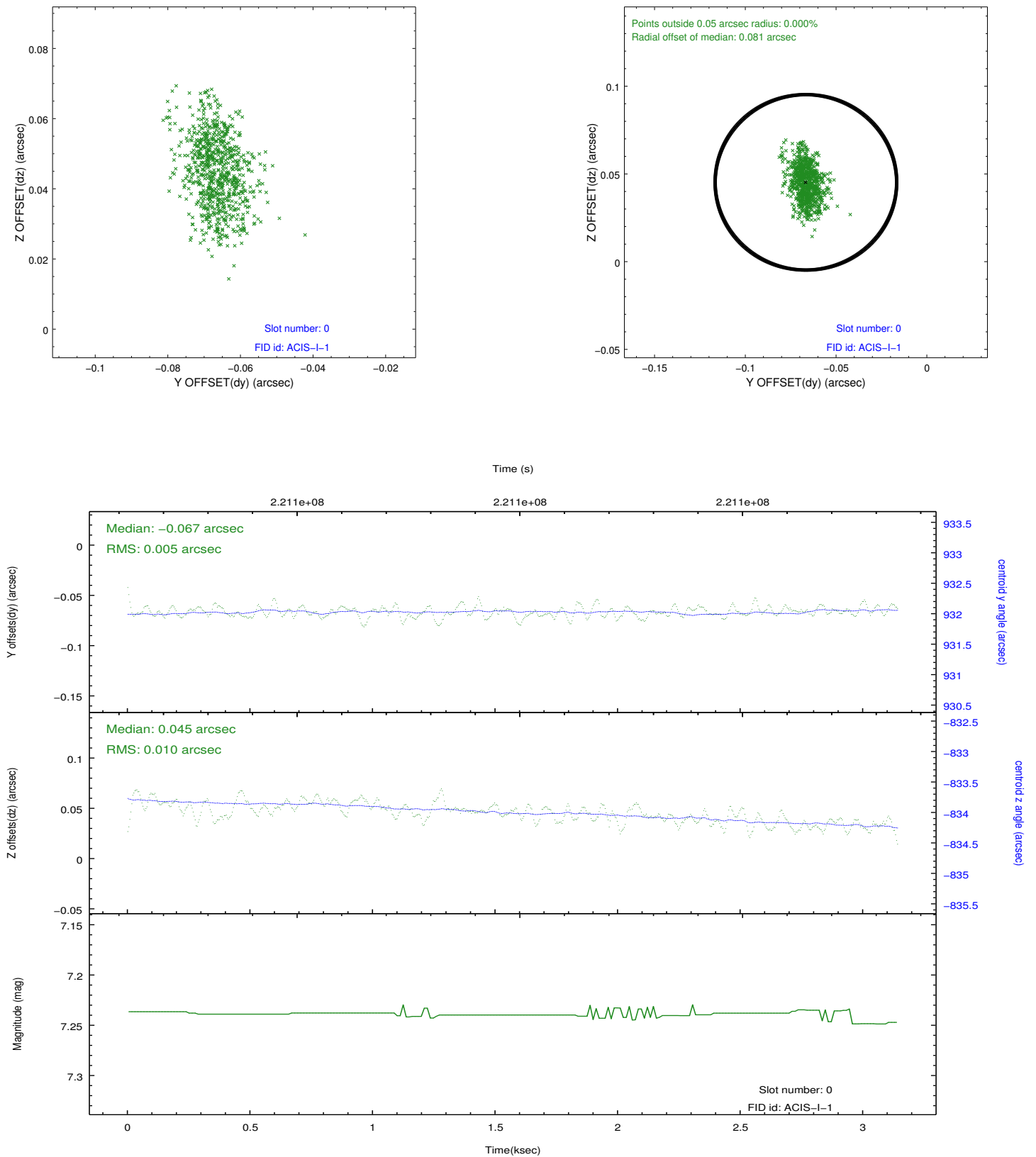


2.4.5 Slot 7

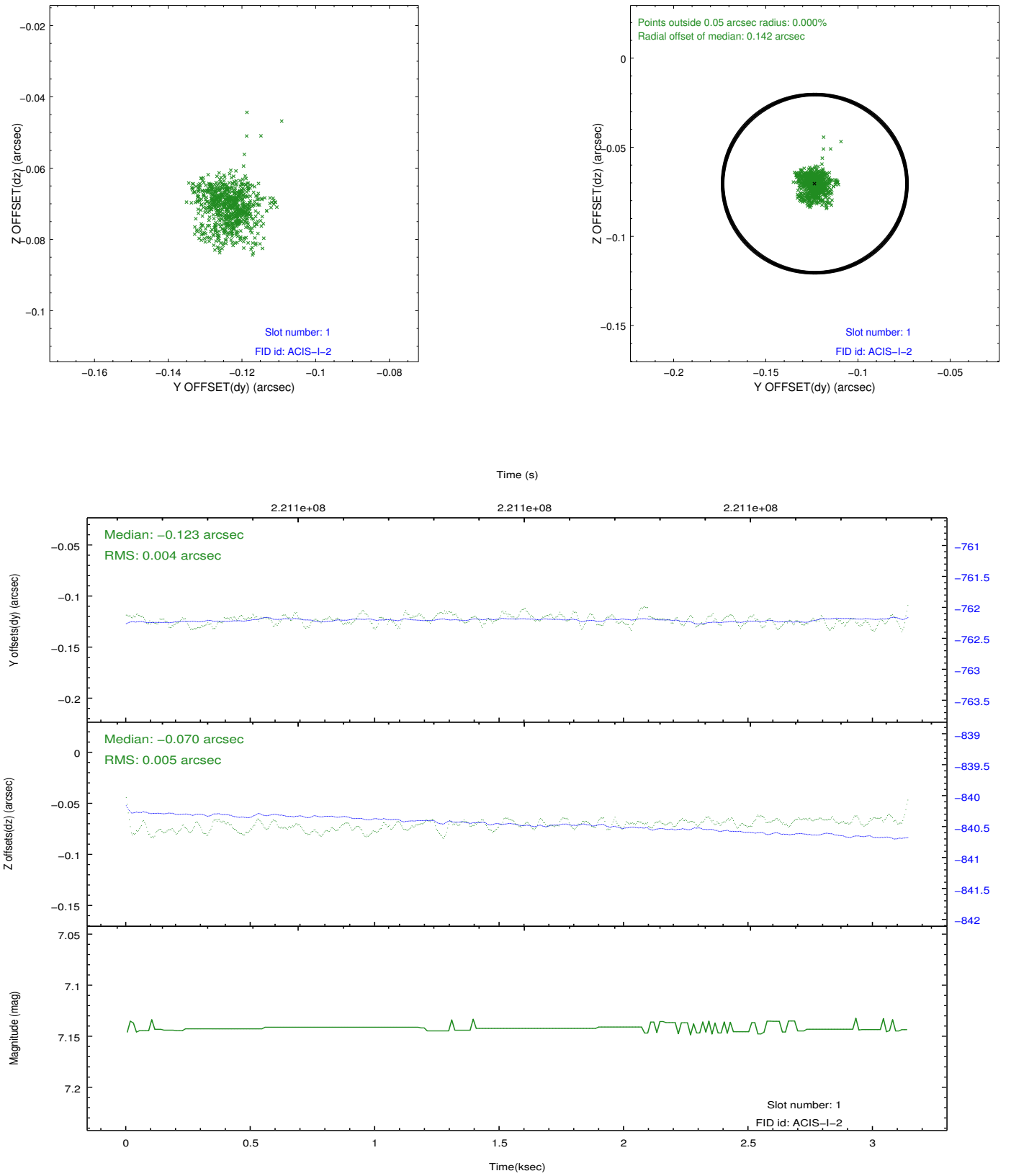


2.5 FID Slots

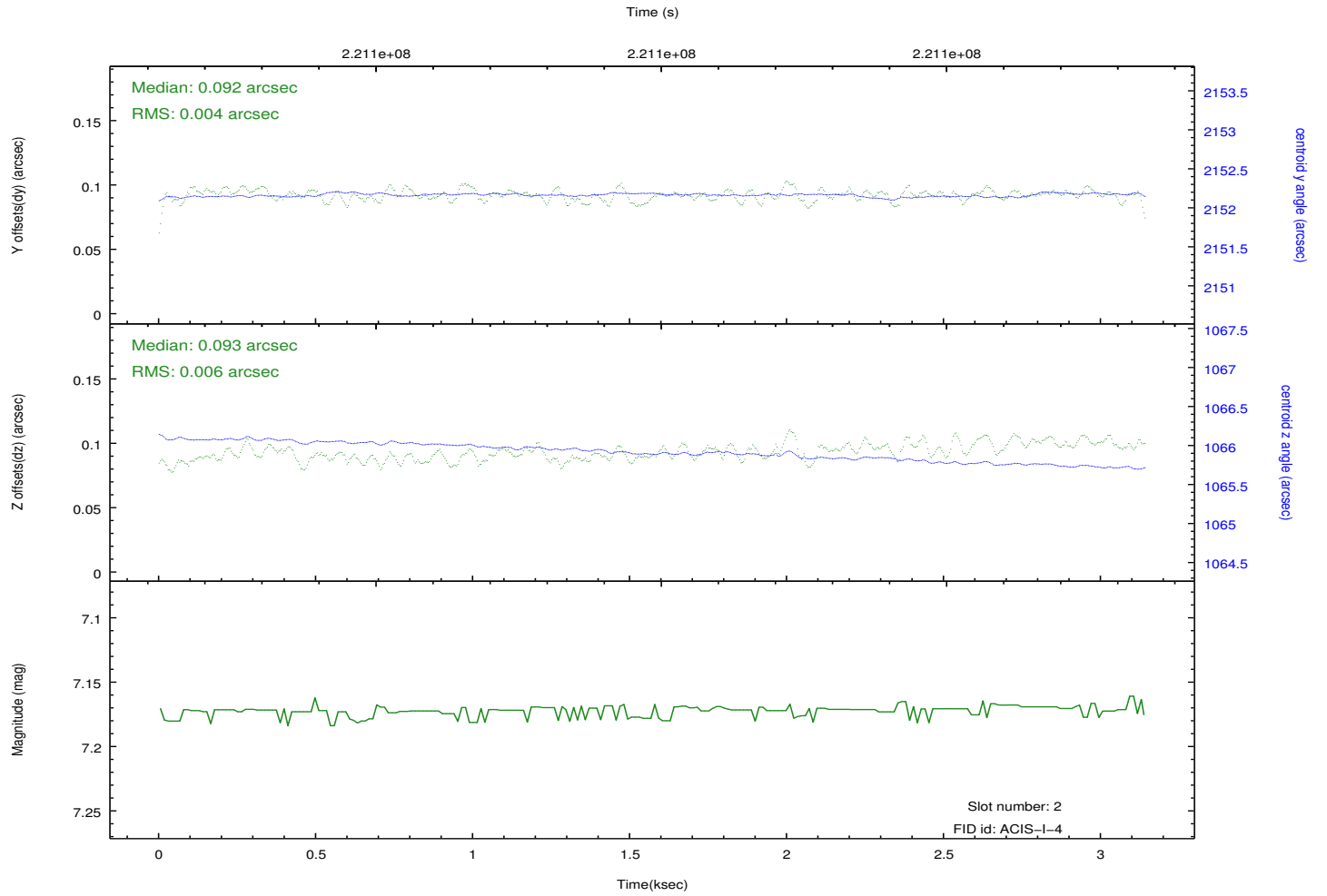
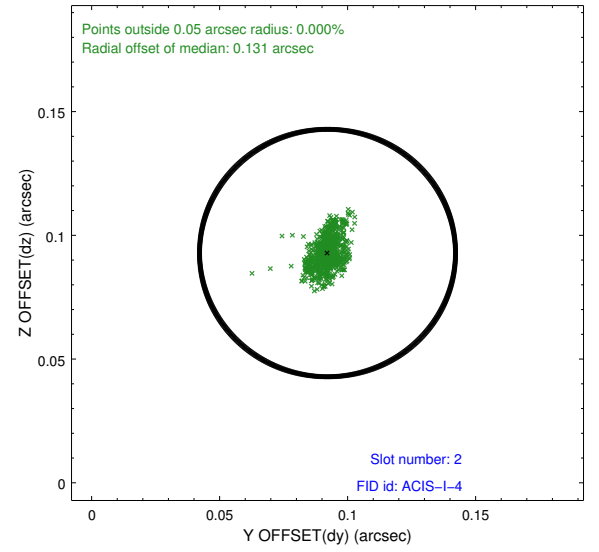
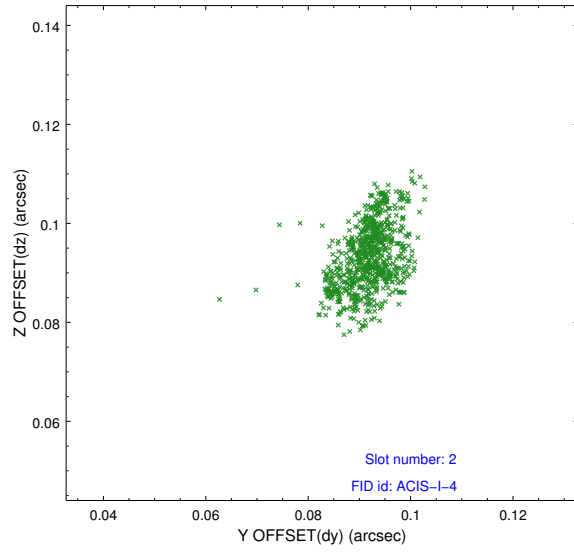
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.135999

A.2 Comments

Source is located at 12:35:46.35 -41:01:31.8, which is not the location of the named source.