

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5483 - L2 Version 2
Chandra X-Ray Center

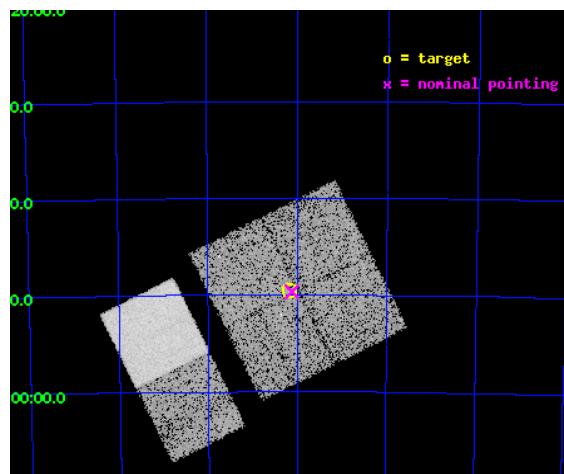
L2 Processing Date : Mar 24 2012

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1 Front

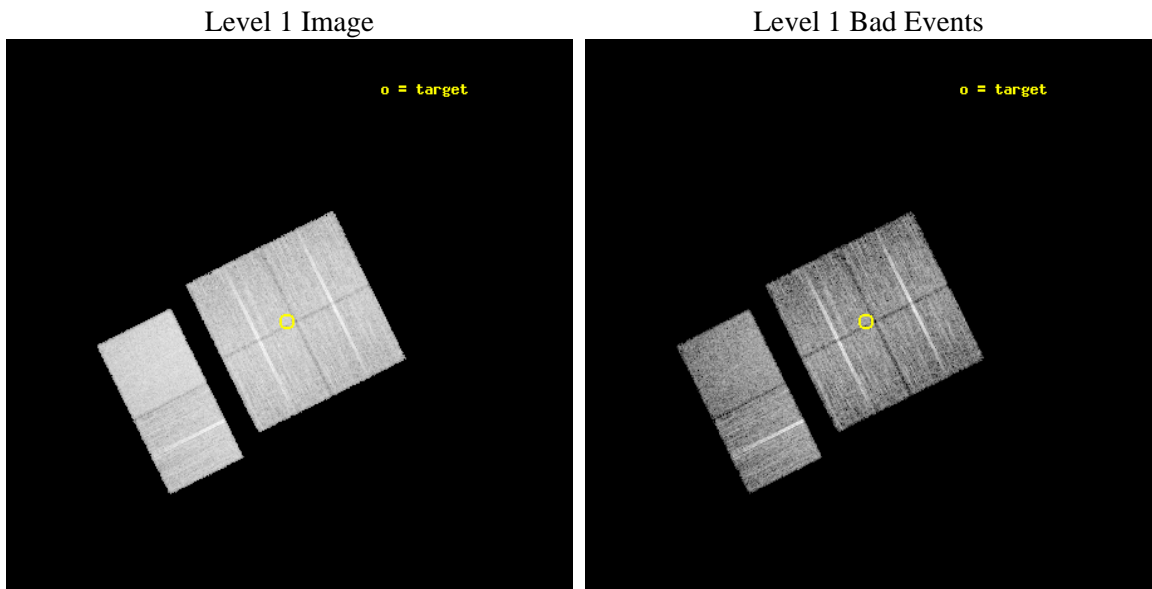
seq_num	400413	Sequence number
obs_id	5483	Observation id
title	Discovering X-ray pulsars in the Wing of the Small Magellanic Cloud	
observer	Prof Malcolm Coe	Principal investigator
object	SMCwing 4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	17.541667	Observer's specified target RA [deg]
dec_targ	-71.824722	Observer's specified target Dec [deg]
ra_nom	17.530385041517	Nominal RA [deg]
dec_nom	-71.827732073073	Nominal Dec [deg]
roll_nom	243.58710758859	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9459.1999647617	Sum of GTIs [s]
livetime	9339.4218791615	Livetime [s]
ontime0	9459.1999647617	Sum of GTIs [s]
ontime1	9459.1999647617	Sum of GTIs [s]
ontime2	9459.1999647617	Sum of GTIs [s]
ontime3	9459.1999647617	Sum of GTIs [s]
ontime6	9459.1999647617	Sum of GTIs [s]
ontime7	9459.1999647617	Sum of GTIs [s]
l2events	84872	Number of level 2 events



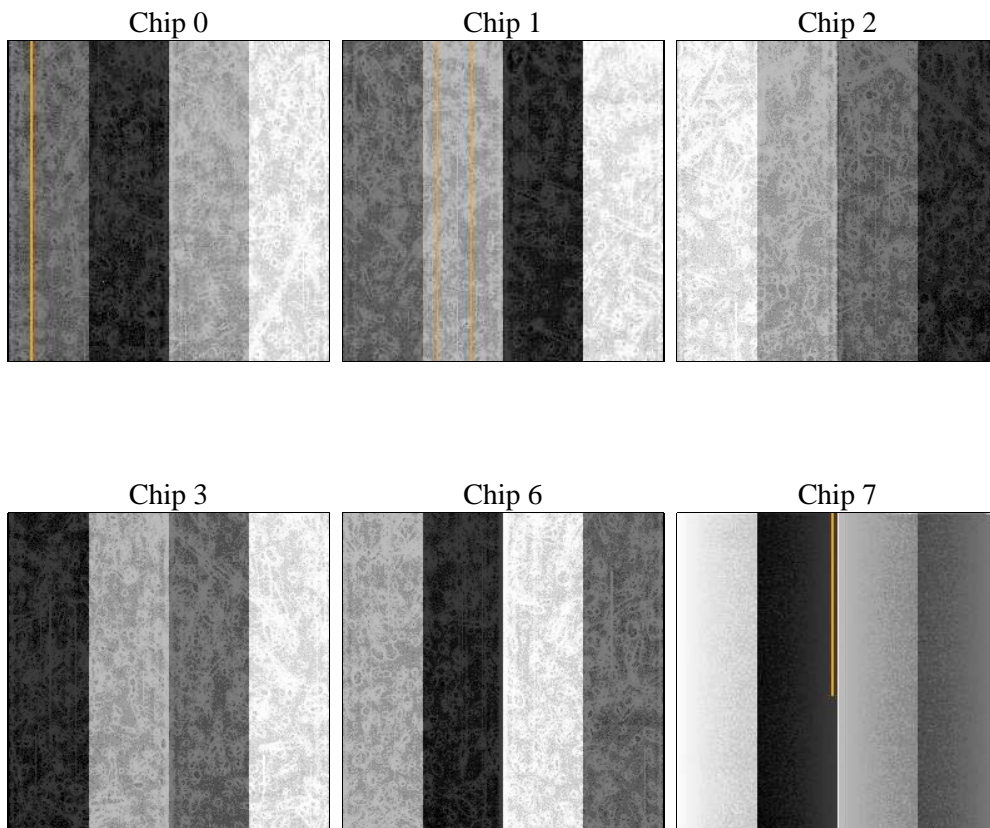
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	9459.1999647617	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	9459.1999647617	Sum of GTIs [s]
date	2012-03-25T00:13:21	Date and time of file creation	ontime1	9459.1999647617	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	9459.1999647617	Sum of GTIs [s]
			ontime3	9459.1999647617	Sum of GTIs [s]
			ontime6	9459.1999647617	Sum of GTIs [s]
			ontime7	9459.1999647617	Sum of GTIs [s]
			l1events	489530	Number of level 1 events

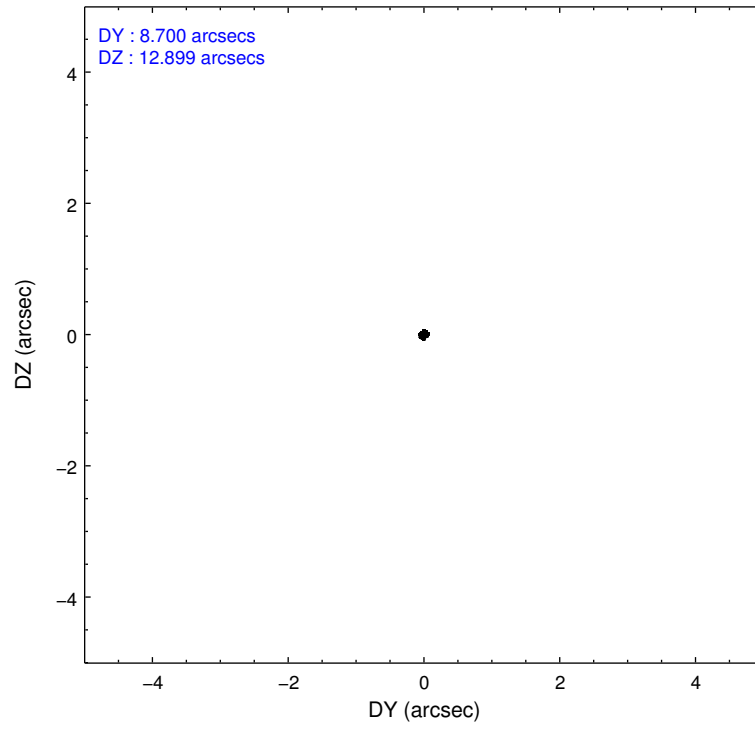
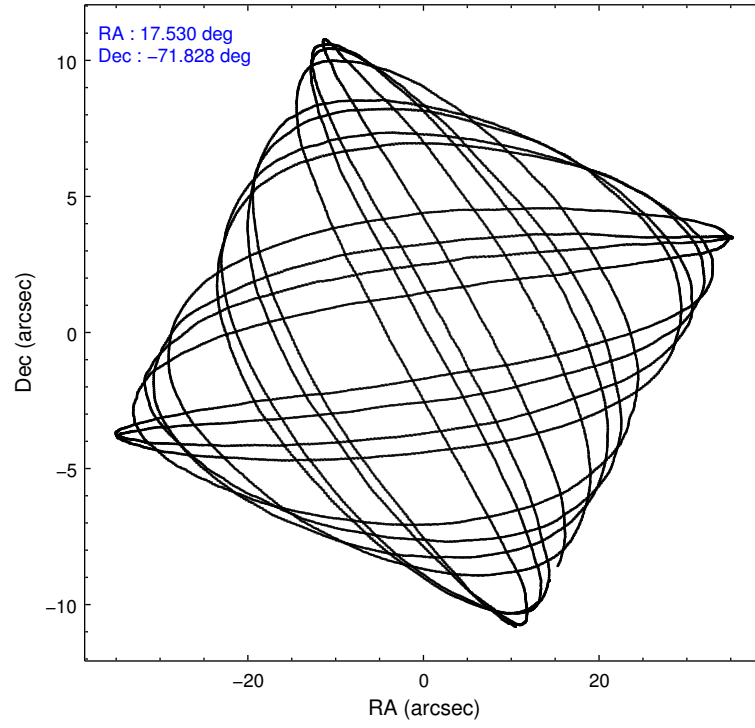
2.1.4 Events

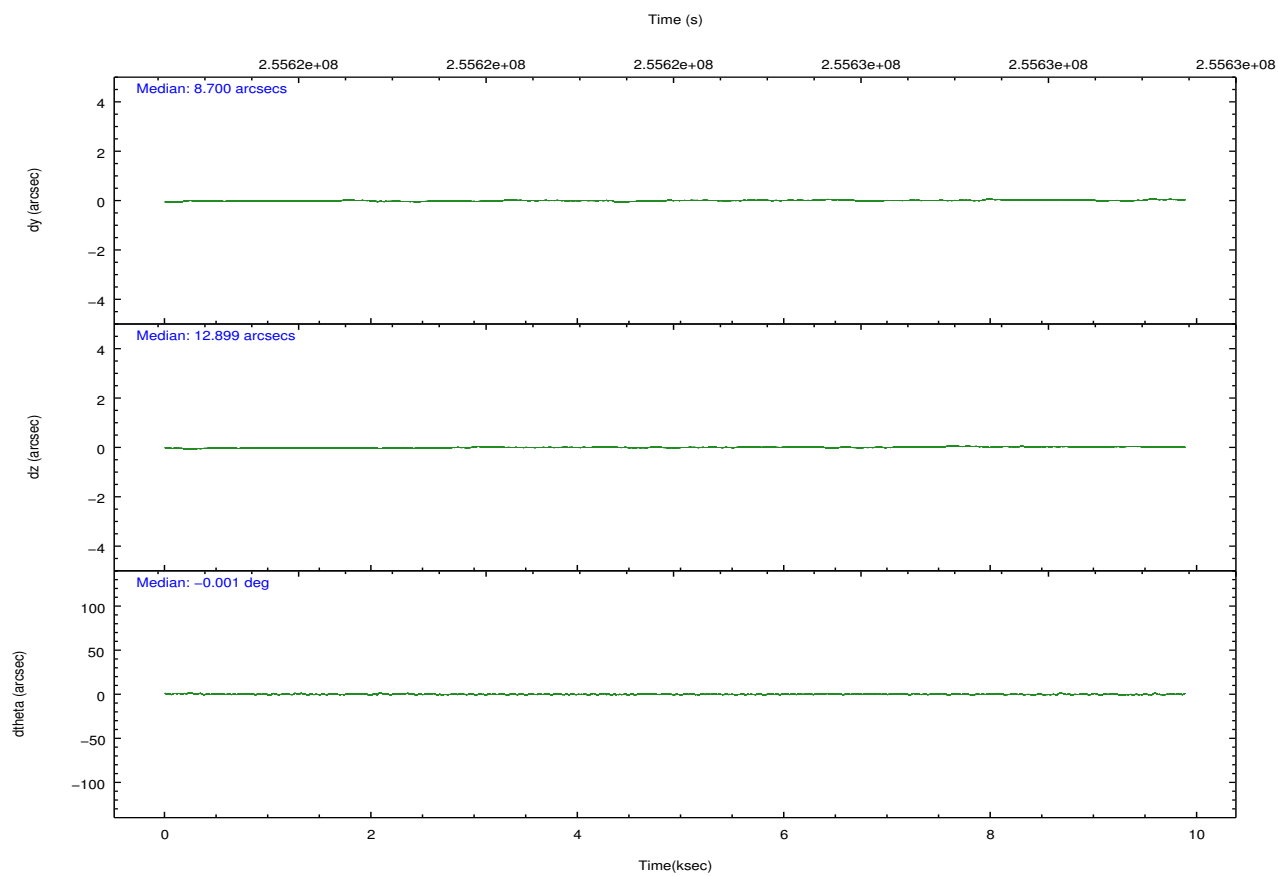
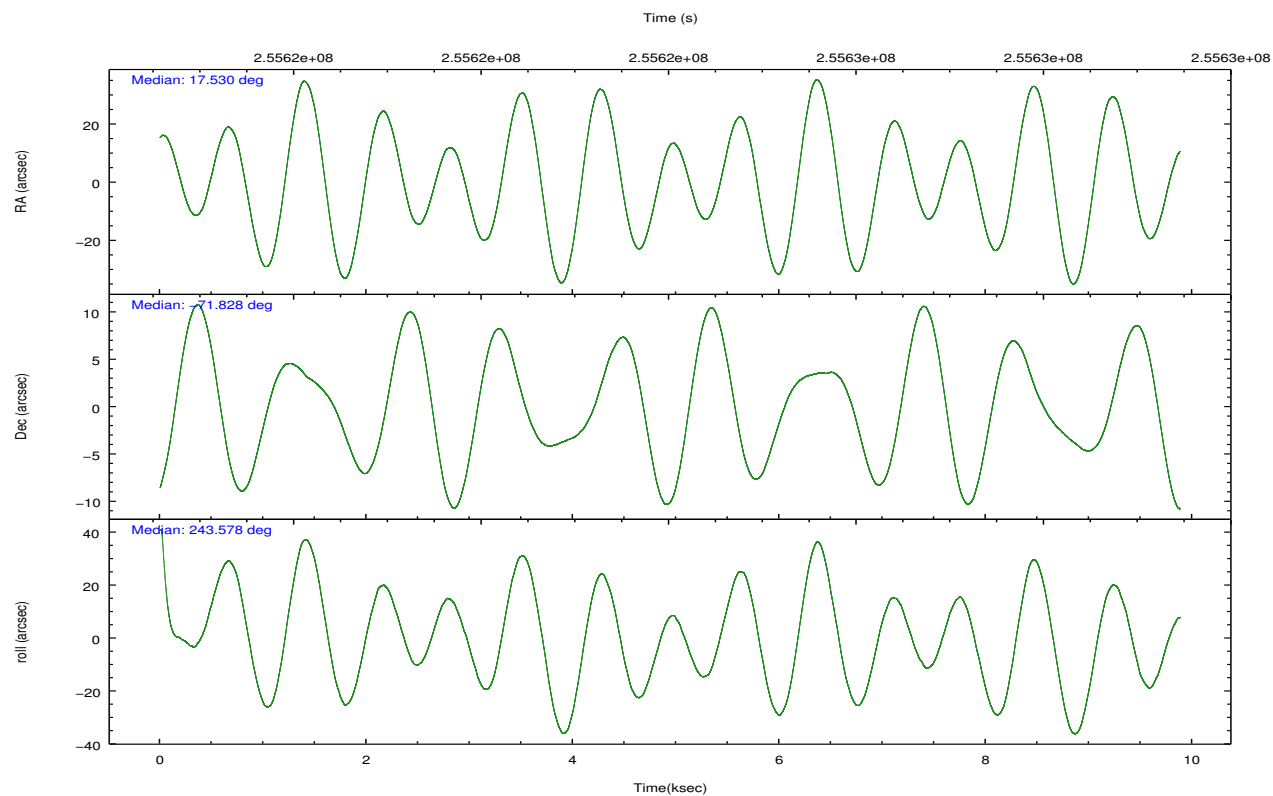
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	72032	73501	79303	74379	81396	108919	grade 0 events	3995	3709	4163	4235	3661	3965
rejected events	62596	63881	70073	64957	71895	63747		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	87%	88%	58%	grade 1 events	46	55	46	38	44	107
								0%	0%	0%	0%	0%	0%
							grade 2 events	2023	2111	1918	1733	2065	9200
								2%	2%	2%	2%	2%	8%
							grade 3 events	920	950	857	911	918	3799
								1%	1%	1%	1%	1%	3%
							grade 4 events	872	894	798	908	909	3944
								1%	1%	1%	1%	1%	3%
							grade 5 events	3117	3420	2943	3603	3711	10359
								4%	4%	3%	4%	4%	9%
							grade 6 events	1628	1958	1500	1642	1952	24277
								2%	2%	1%	2%	2%	22%
							grade 7 events	59431	60404	67078	61309	68136	53268
								82%	82%	84%	82%	83%	48%

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	17.524558	17.53038504151687	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.800436	-71.82773207307308	Alternating exposures requested	N	N
[deg] Pointing Roll	243.372892	243.5871075885931	[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)	255619258.184000	255618882.78735			
Observation start date	2006-02-06T13:19:53	2006-02-06T13:14:42			
[s] Observation end time (MET)	255628958.184000	255629092.81283			
Observation end date	2006-02-06T16:01:33	2006-02-06T16:04:52			
Read mode	TIMED	TIMED			

2.3 Aspect



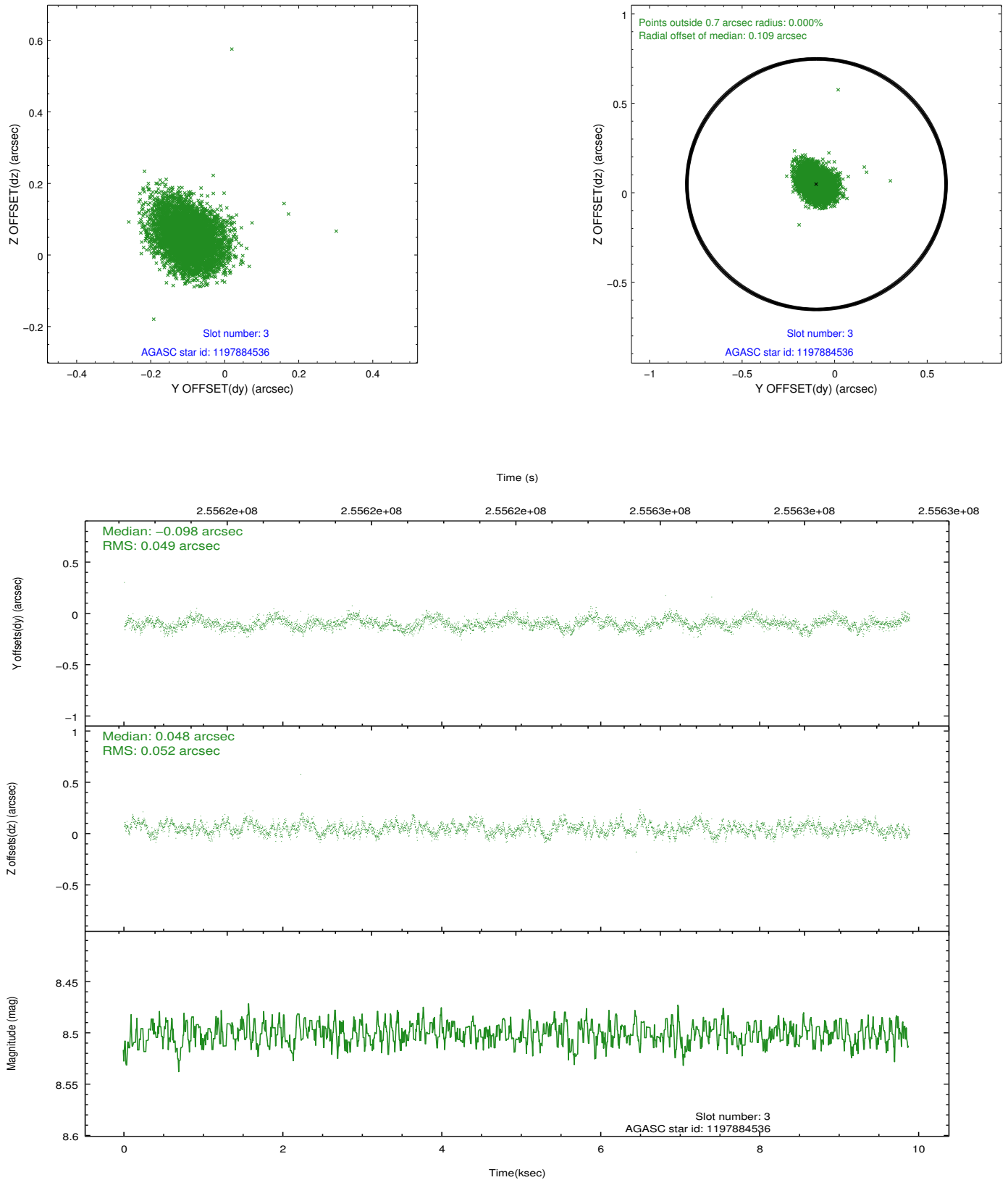


Slot Statistics

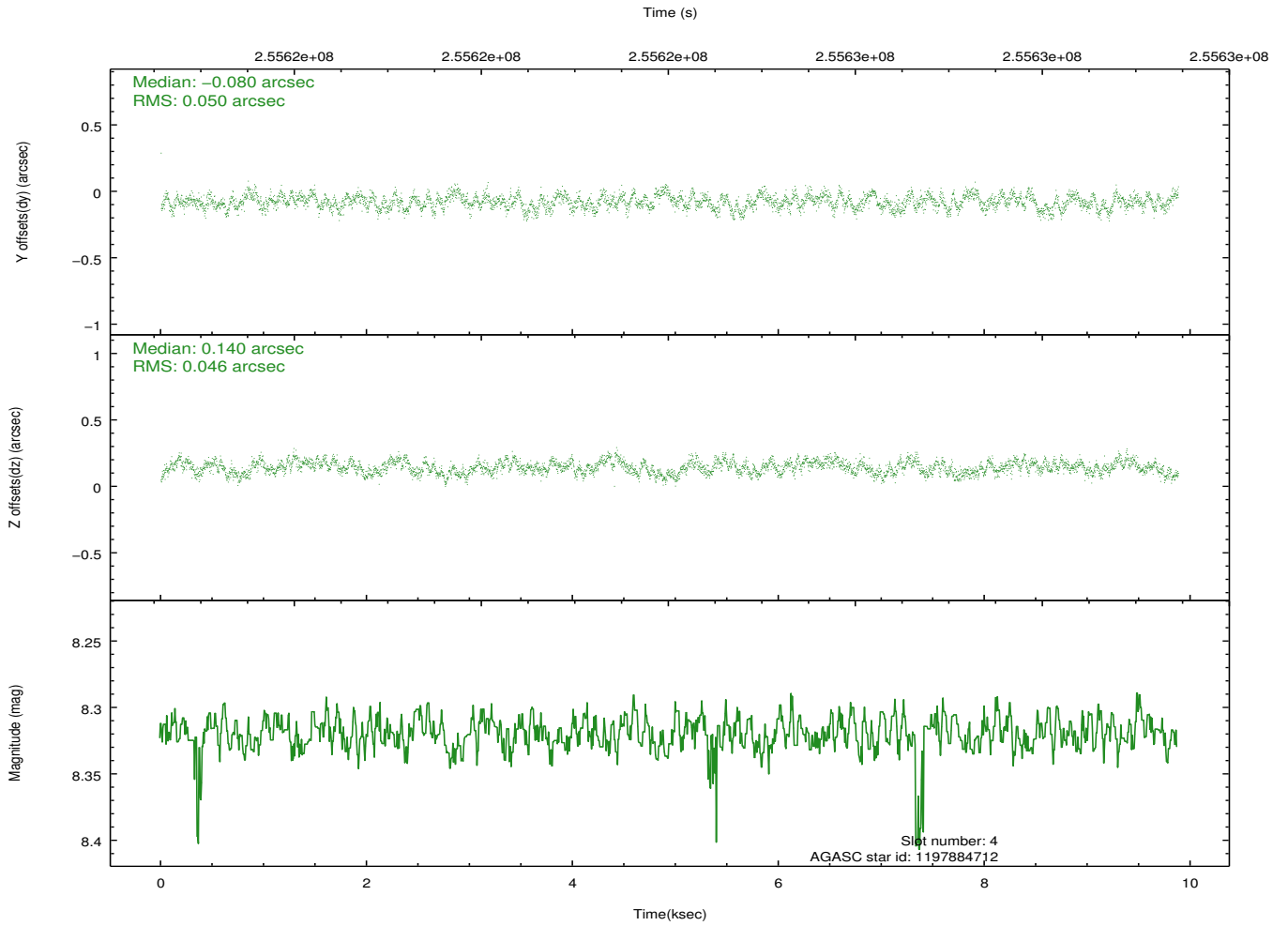
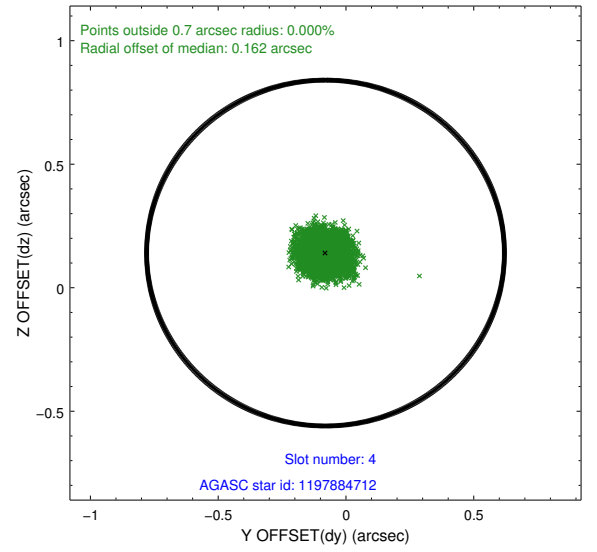
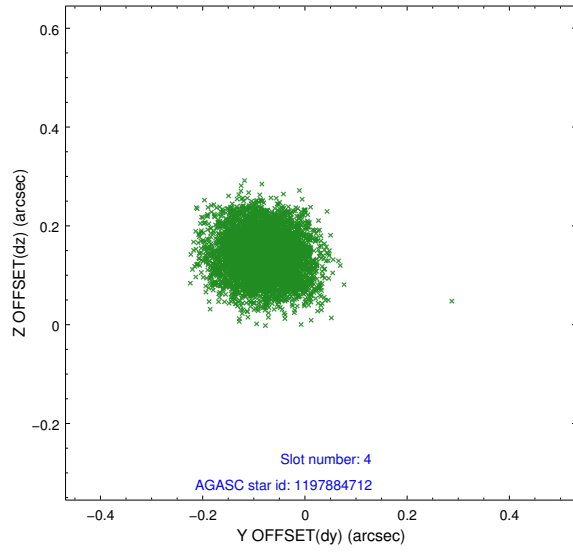
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2410	0.045	0.020	0.006	0.011	0.000000	0.000000	930.97	-836.44
1	FID	ACIS-I-5	7.22	2410	-0.186	0.065	0.006	0.011	0.000000	0.000000	-1817.04	1060.87
2	FID	ACIS-I-6	7.25	2409	0.050	-0.014	0.007	0.012	0.000000	0.000000	395.97	1705.87
3	GUIDE	1197884536	8.50	4818	-0.098	0.048	0.076	0.121	17.160729	-71.835289	296.69	-308.02
4	GUIDE	1197884712	8.32	4818	-0.080	0.140	0.073	0.113	16.087398	-72.252690	2179.58	-671.03
5	GUIDE	1197885104	9.35	4819	0.067	-0.057	0.101	0.163	17.845067	-72.189368	1095.63	943.50
6	GUIDE	1197885328	7.23	4818	-0.032	-0.025	0.068	0.111	16.283090	-71.733943	426.99	-1352.20
7	GUIDE	1197871064	9.68	4805	0.142	-0.099	0.130	0.216	19.437484	-71.589706	-1621.51	1618.88

2.4 Star Slots

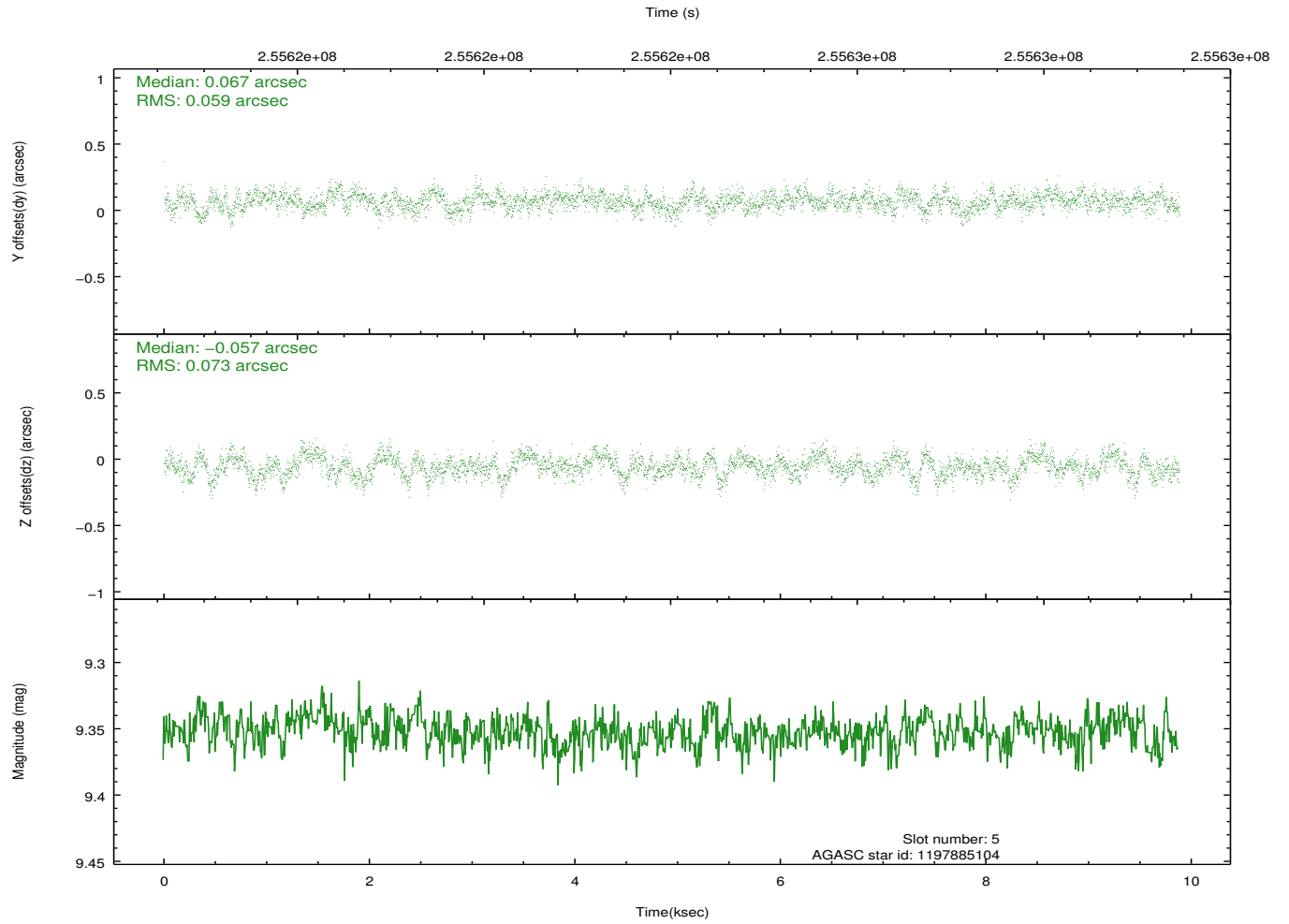
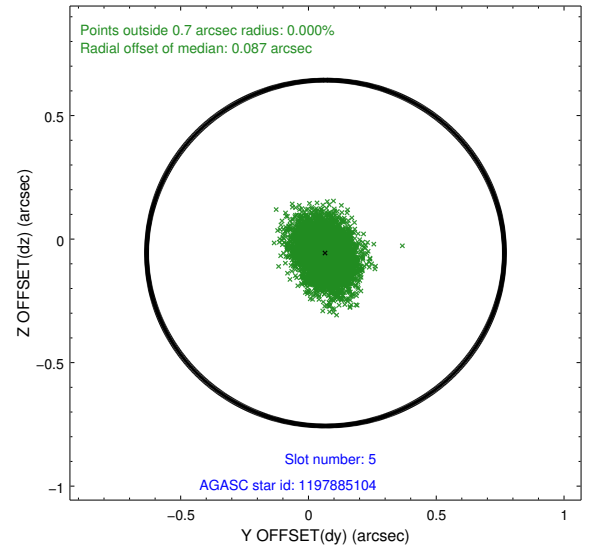
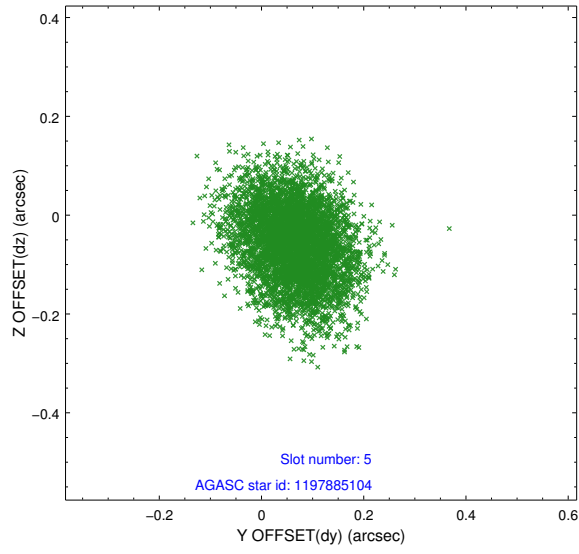
2.4.1 Slot 3



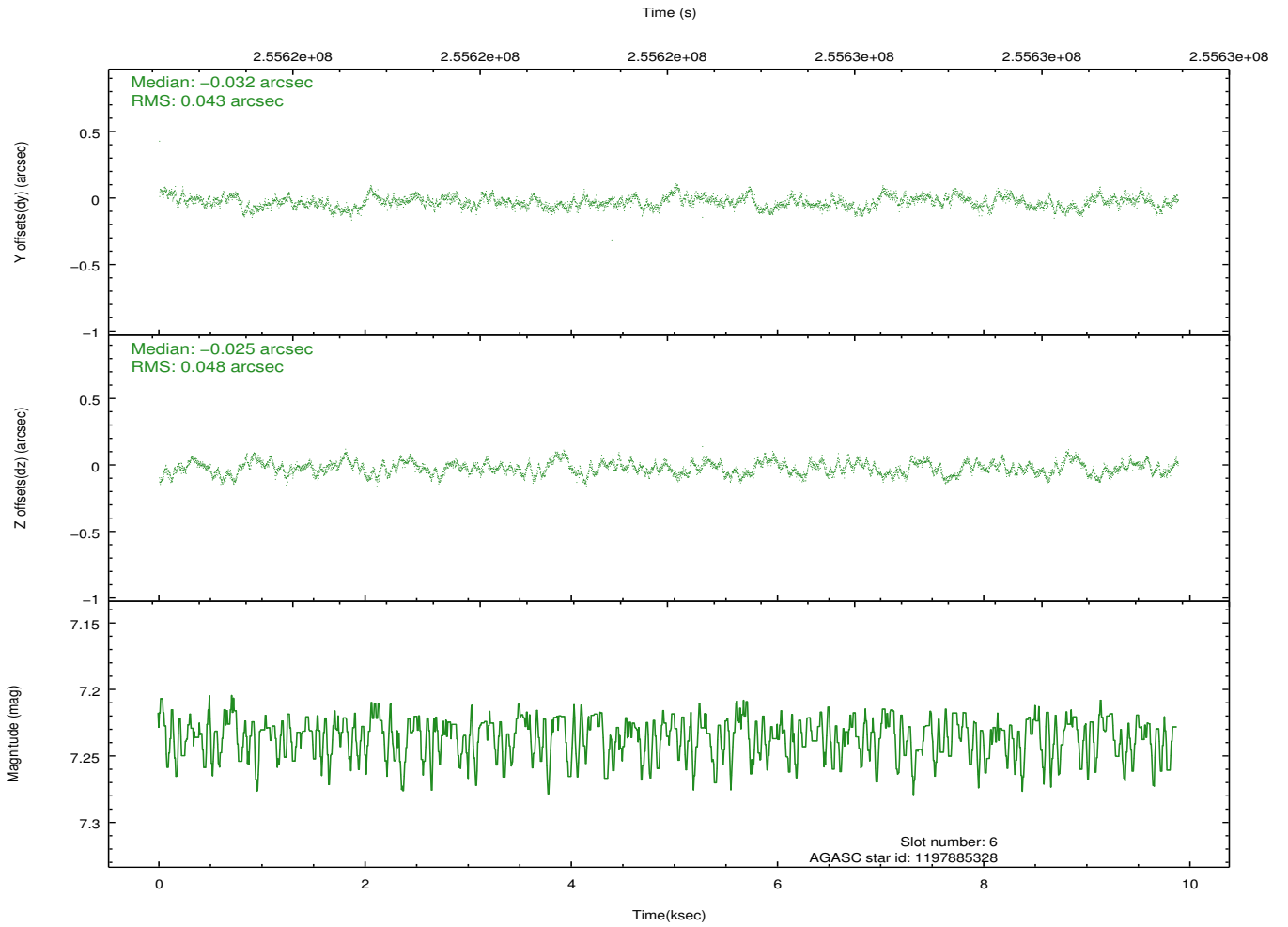
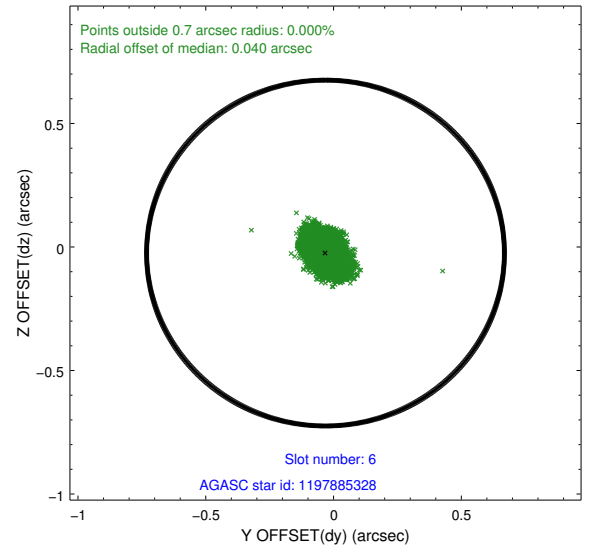
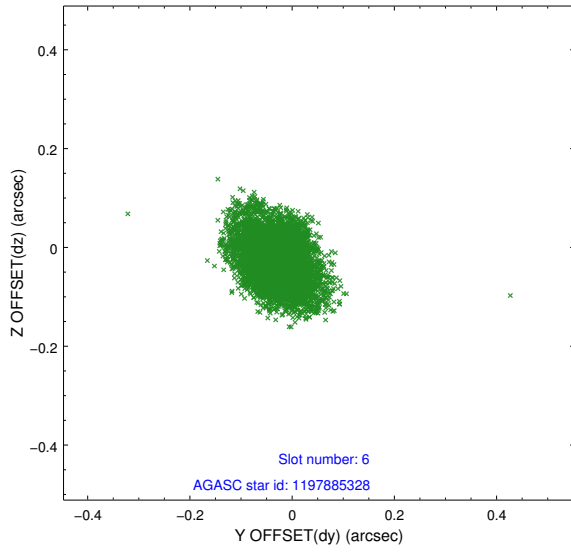
2.4.2 Slot 4



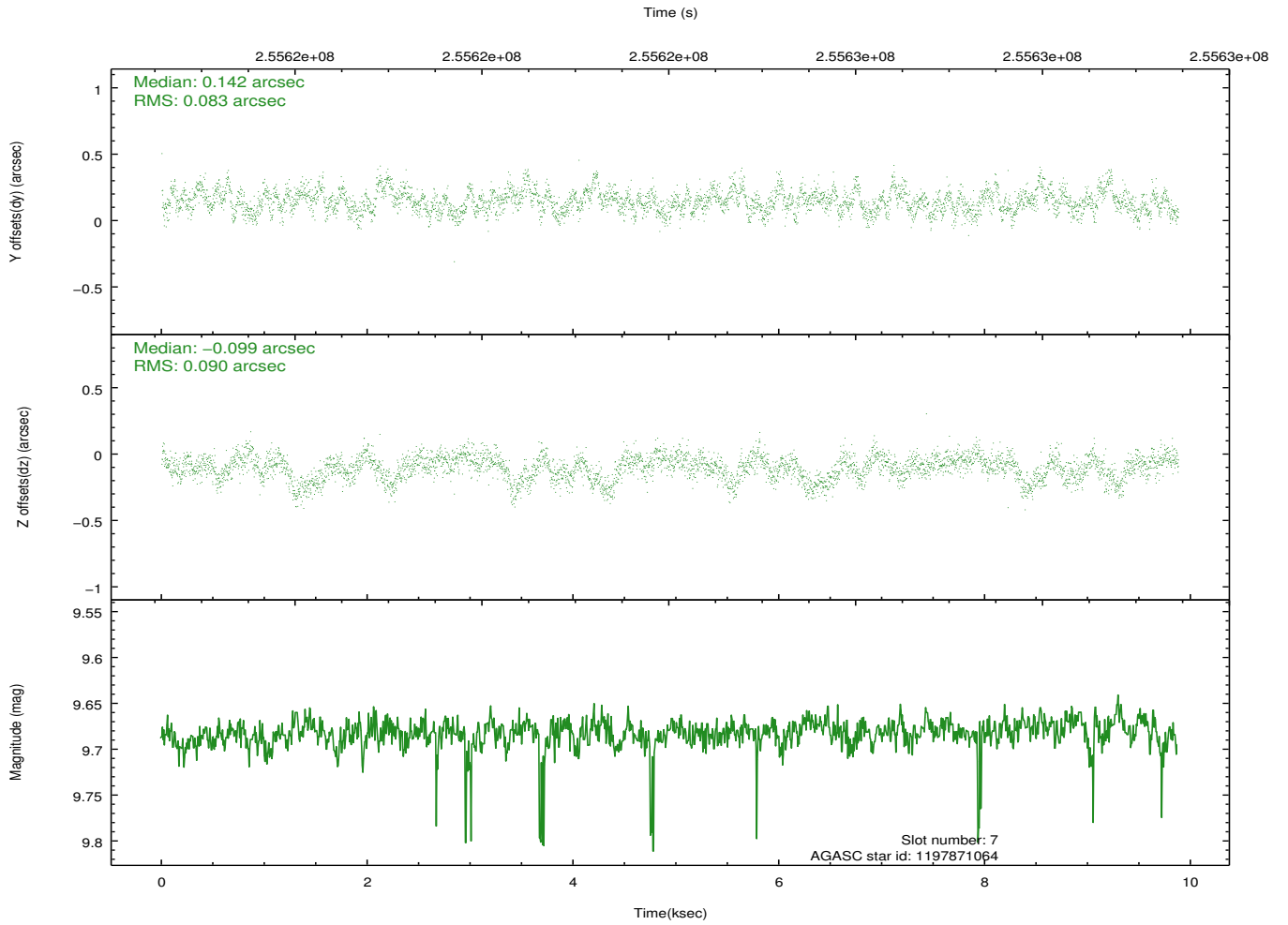
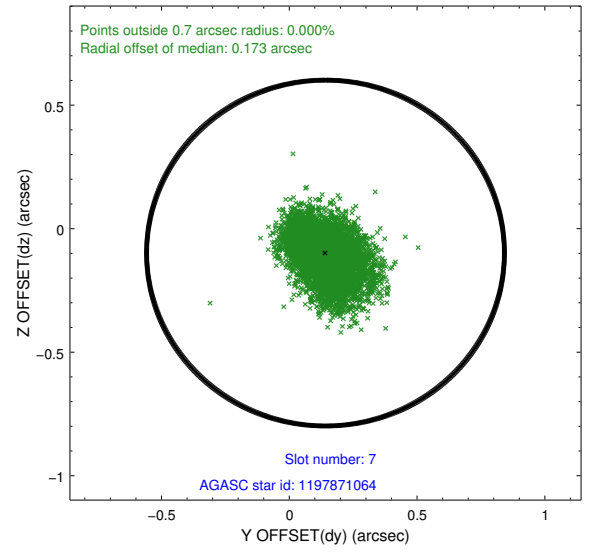
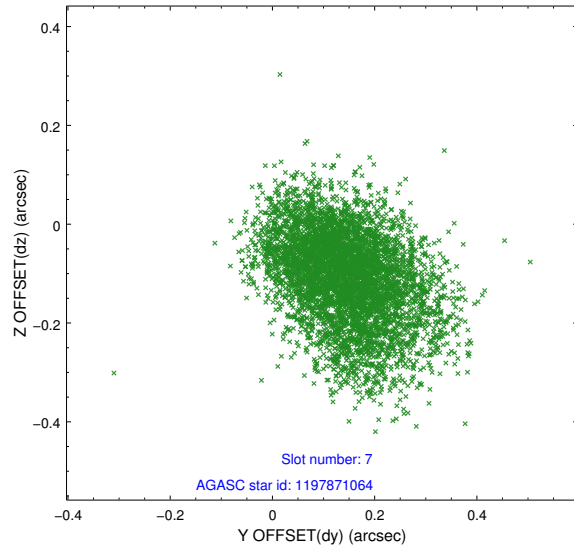
2.4.3 Slot 5



2.4.4 Slot 6

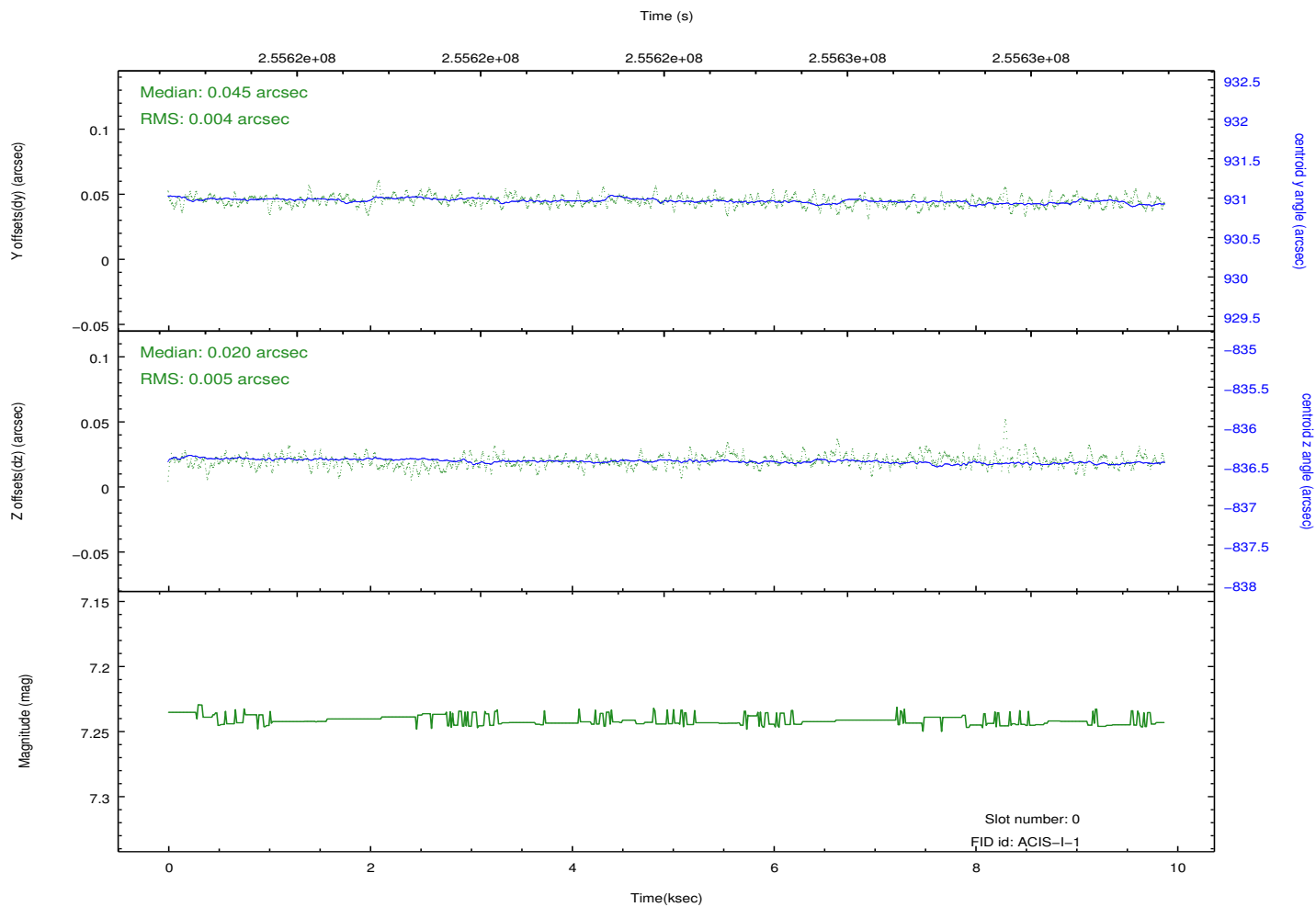
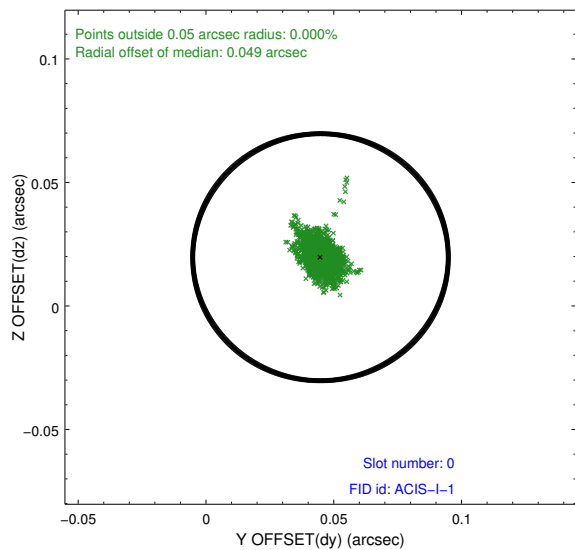
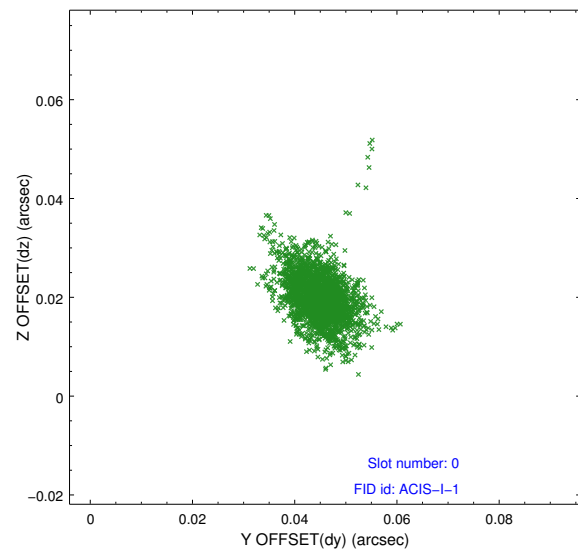


2.4.5 Slot 7

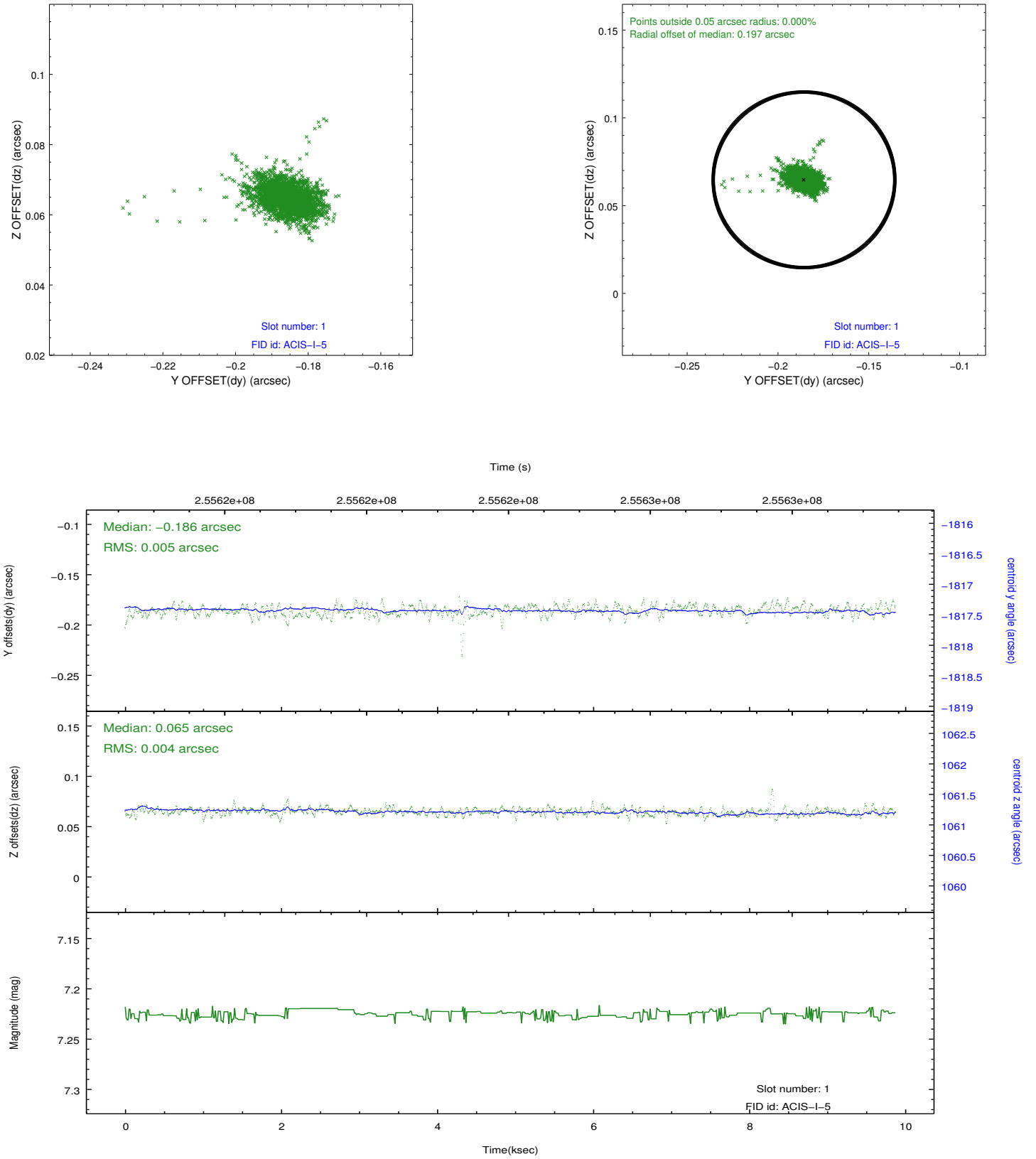


2.5 FID Slots

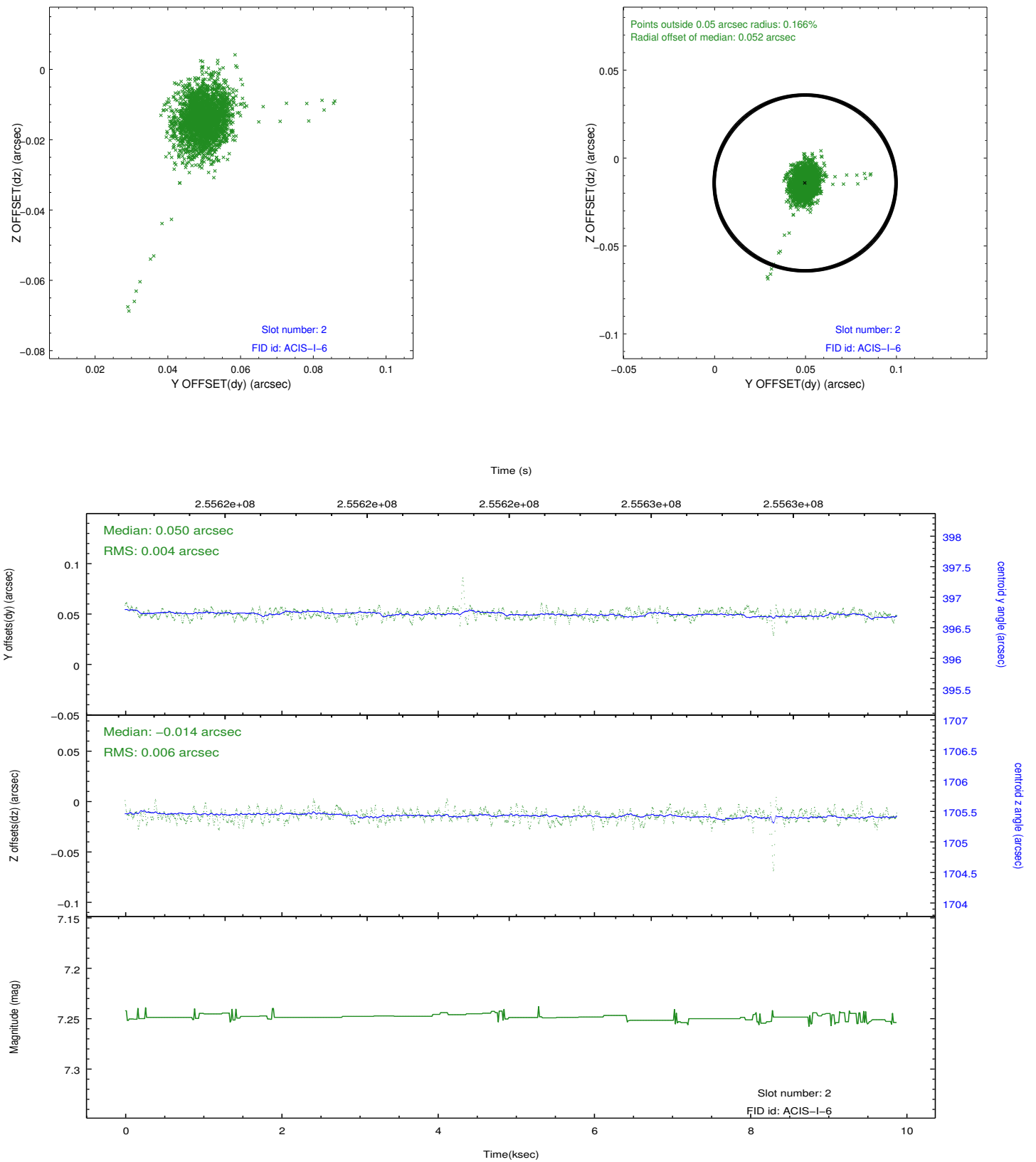
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.45919996

A.2 Comments