

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9173 - L2 Version 2
Chandra X-Ray Center

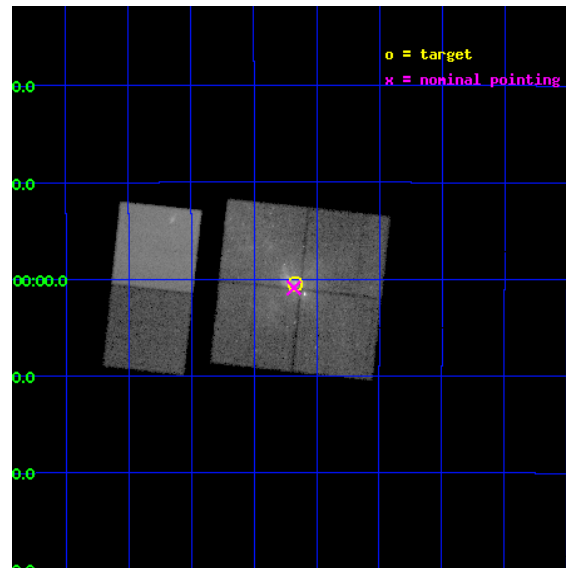
L2 Processing Date : May 18 2012

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1 Front

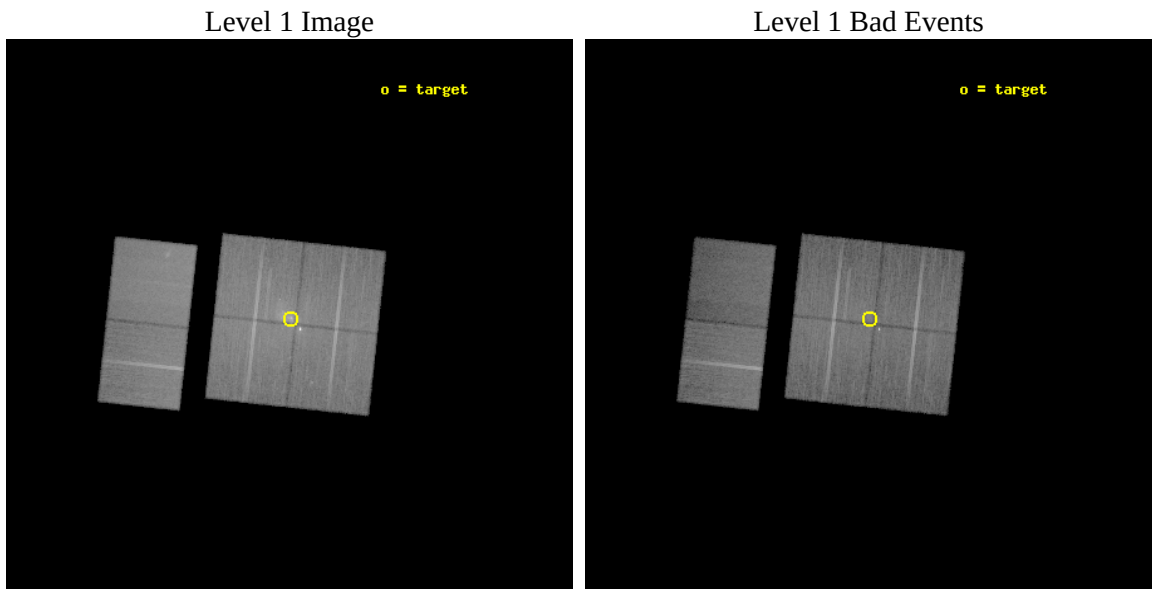
seq_num	701615	Sequence number
obs_id	9173	Observation id
title	Simultaneous Chandra, VLT, and APEX Observations of Sgr A*	Proposa
observer	Prof Farhad Yusef-Zadeh	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007806	Observer's specified target Dec [deg]
ra_nom	266.42035482383	Nominal RA [deg]
dec_nom	-29.015212584044	Nominal Dec [deg]
roll_nom	276.15510738197	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28131.199895263	Sum of GTIs [s]
livetime	27774.985703614	Livetime [s]
ontime0	28131.199895263	Sum of GTIs [s]
ontime1	28131.199895263	Sum of GTIs [s]
ontime2	28131.199895263	Sum of GTIs [s]
ontime3	28131.199895263	Sum of GTIs [s]
ontime6	28127.958914936	Sum of GTIs [s]
ontime7	28131.199895263	Sum of GTIs [s]
l2events	345193	Number of level 2 events



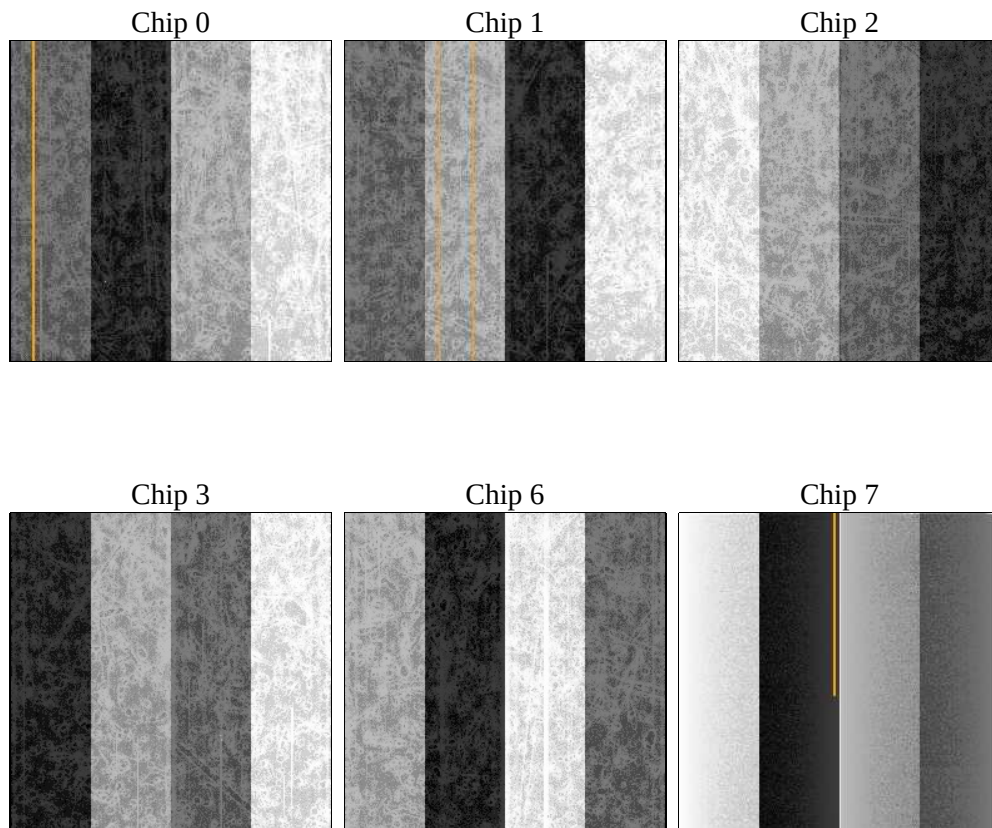
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	28131.199895263	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	28131.199895263	Sum of GTIs [s]
date	2012-05-18T14:57:30	Date and time of file creation	ontime1	28131.199895263	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	28131.199895263	Sum of GTIs [s]
			ontime3	28131.199895263	Sum of GTIs [s]
			ontime6	28127.958914936	Sum of GTIs [s]
			ontime7	28131.199895263	Sum of GTIs [s]
			l1events	1525737	Number of level 1 events

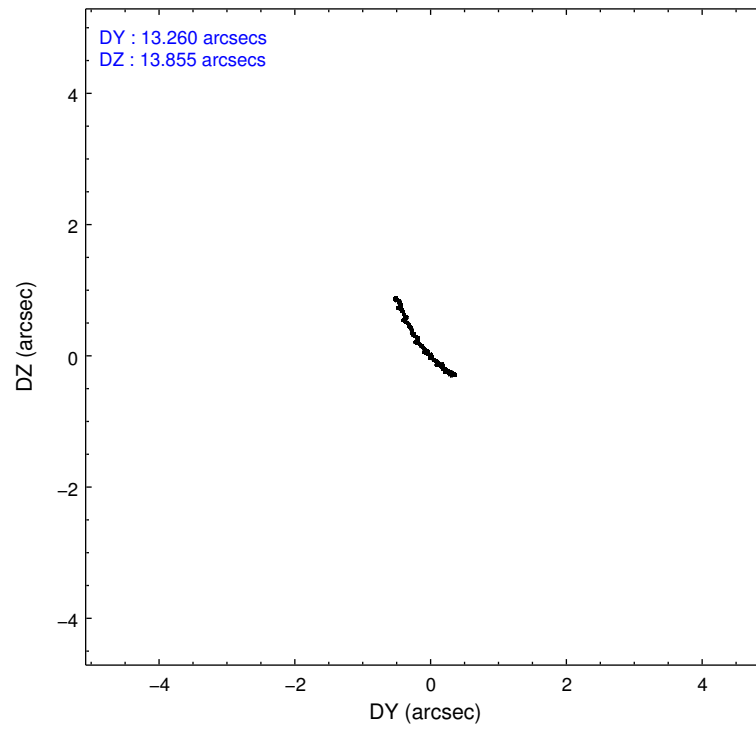
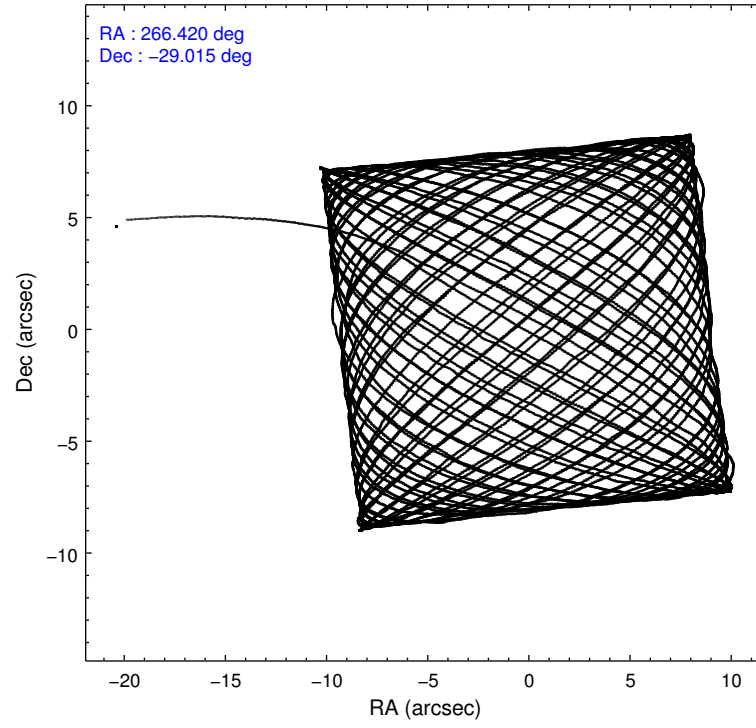
2.1.4 Events

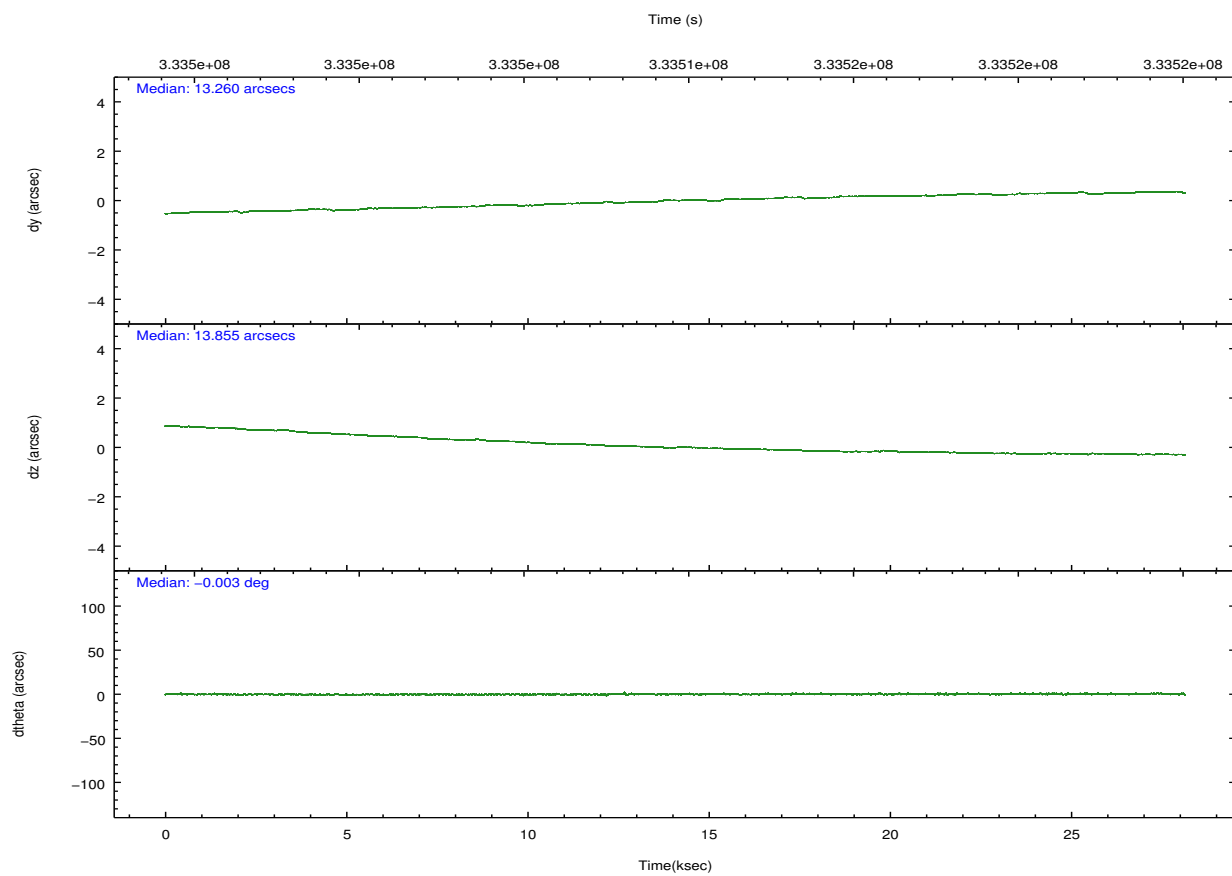
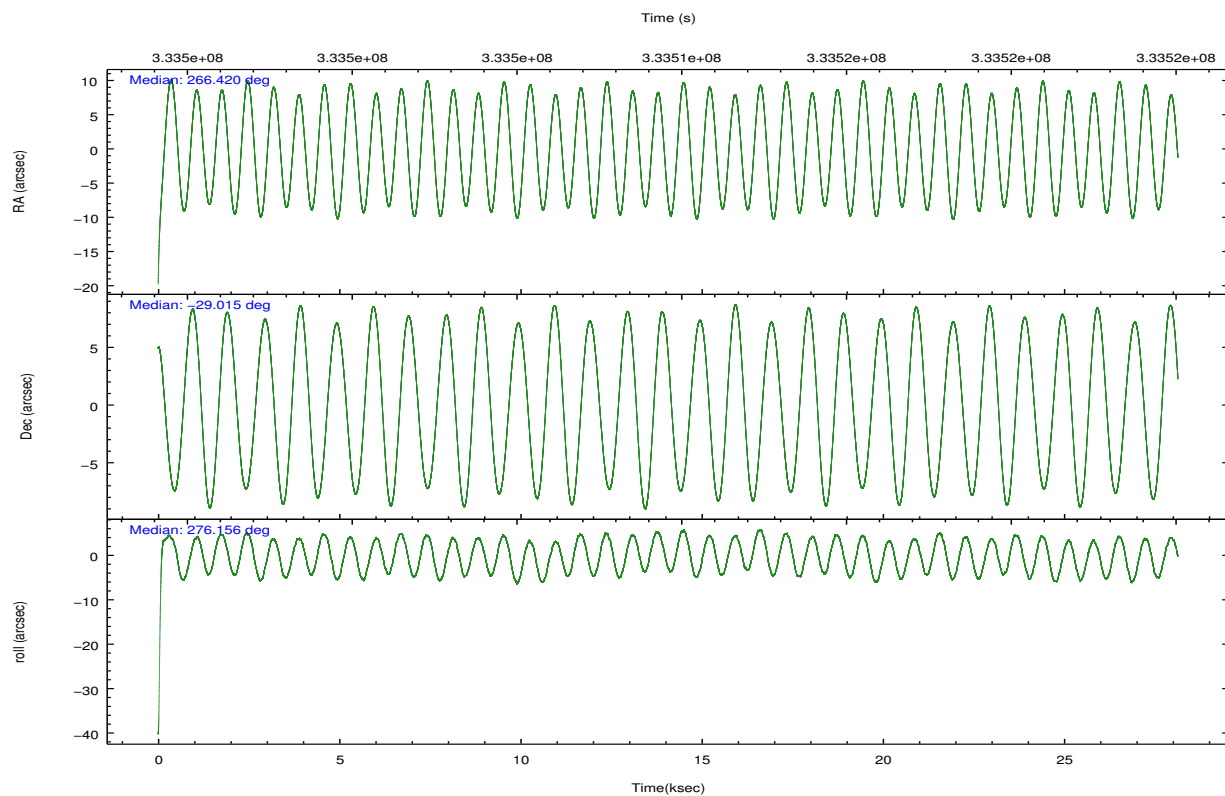
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	240426	235031	258153	277156	241348	273623	grade 0 events	24975	23390	24901	44288	11974	13712
rejected events	190444	189011	212212	203391	212754	143235		10%	9%	9%	15%	4%	5%
rejected %	79%	80%	82%	73%	88%	52%	grade 1 events	769	191	276	390	137	356
								0%	0%	0%	0%	0%	0%
							grade 2 events	9968	8896	8496	12020	6023	27715
								4%	3%	3%	4%	2%	10%
							grade 3 events	4036	3800	3493	4938	2746	12379
								1%	1%	1%	1%	1%	4%
							grade 4 events	3992	3652	3558	4879	2742	12278
								1%	1%	1%	1%	1%	4%
							grade 5 events	8930	8952	7562	9443	9746	27546
								3%	3%	2%	3%	4%	10%
							grade 6 events	7378	6686	5985	8244	5463	65624
								3%	2%	2%	2%	2%	23%
							grade 7 events	180378	179464	203882	192954	202517	114013
								75%	76%	78%	69%	83%	41%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.401696	266.4203548238333	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.993084	-29.01521258404432	CCD I3 on	Y	Y
[deg] Pointing Roll	275.937386	276.1551073819739	CCD S0 on	N	N
[s] Window start time (MET)	332985665.184000	332985665.184000	CCD S1 on	N	N
[s] Window stop time (MET)	333590465.184000	333590465.184000	CCD S2 on	O2	Y
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S3 on	O1	Y
[mm] SIM defocus	0	0.001439871863259334	CCD S4 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S5 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	Number of optional ACIS chips dropped	0	0
Phase constraints	Y	Y	On-chip summing requested	N	N
[d] Phase period	0.997270	0.997270	Subarray requested	NONE	NONE
[d] Phase epoch (MJD)	54587.160000	54587.160000	Alternating exposures requested	N	N
Phase start	0.000000	0.000000	[s] Primary exposure time	0.000000	3.2
Phase end	0.334000	0.334000			
Phase start error	0.020000	0.020000			
Phase end error	0.020000	0.020000			
[s] Observation start time (MET)	333495647.184000	333494449.9901			
Observation start date	2008-07-26T21:39:42	2008-07-26T21:20:49			

2.3 Aspect



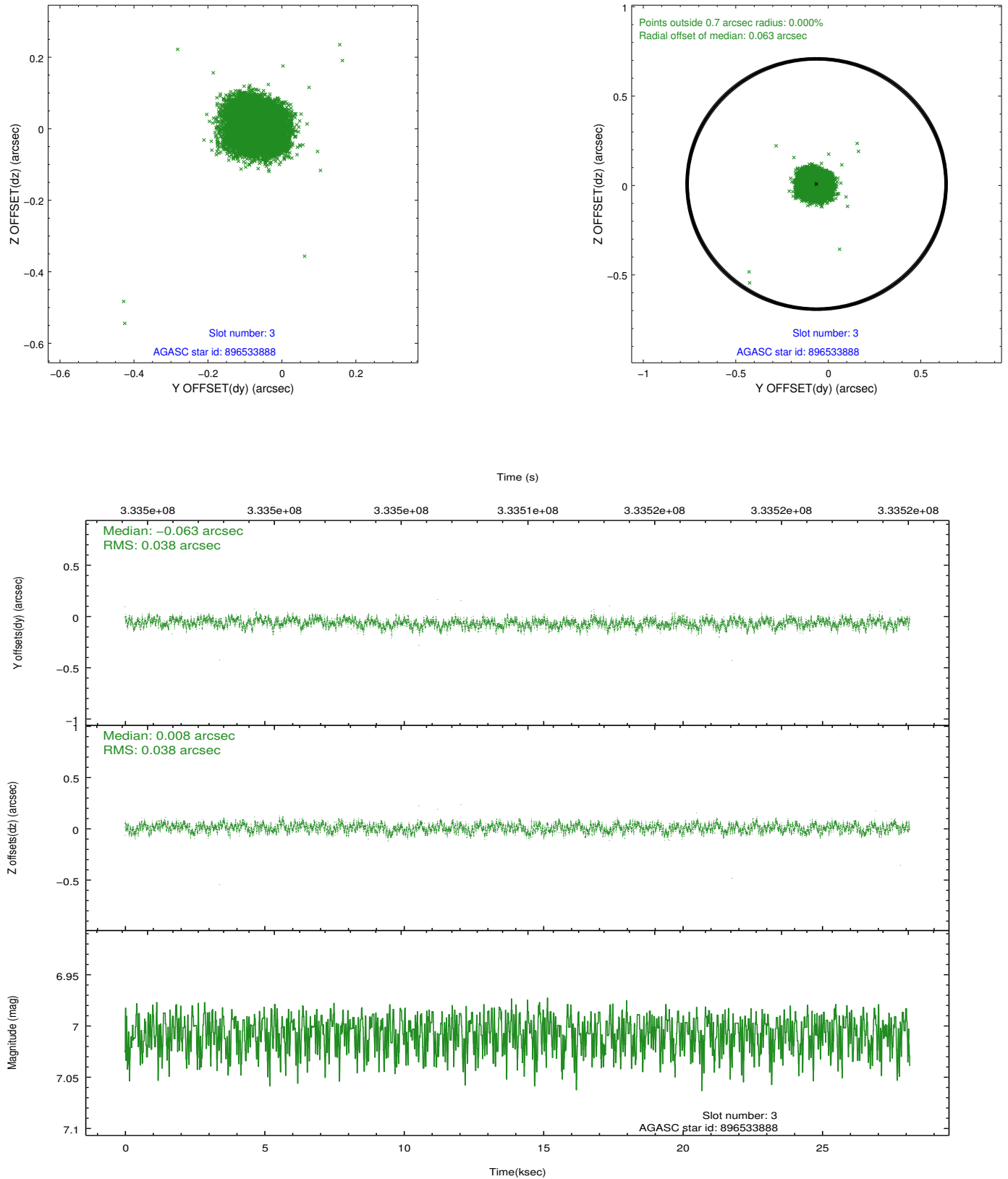


Slot Statistics

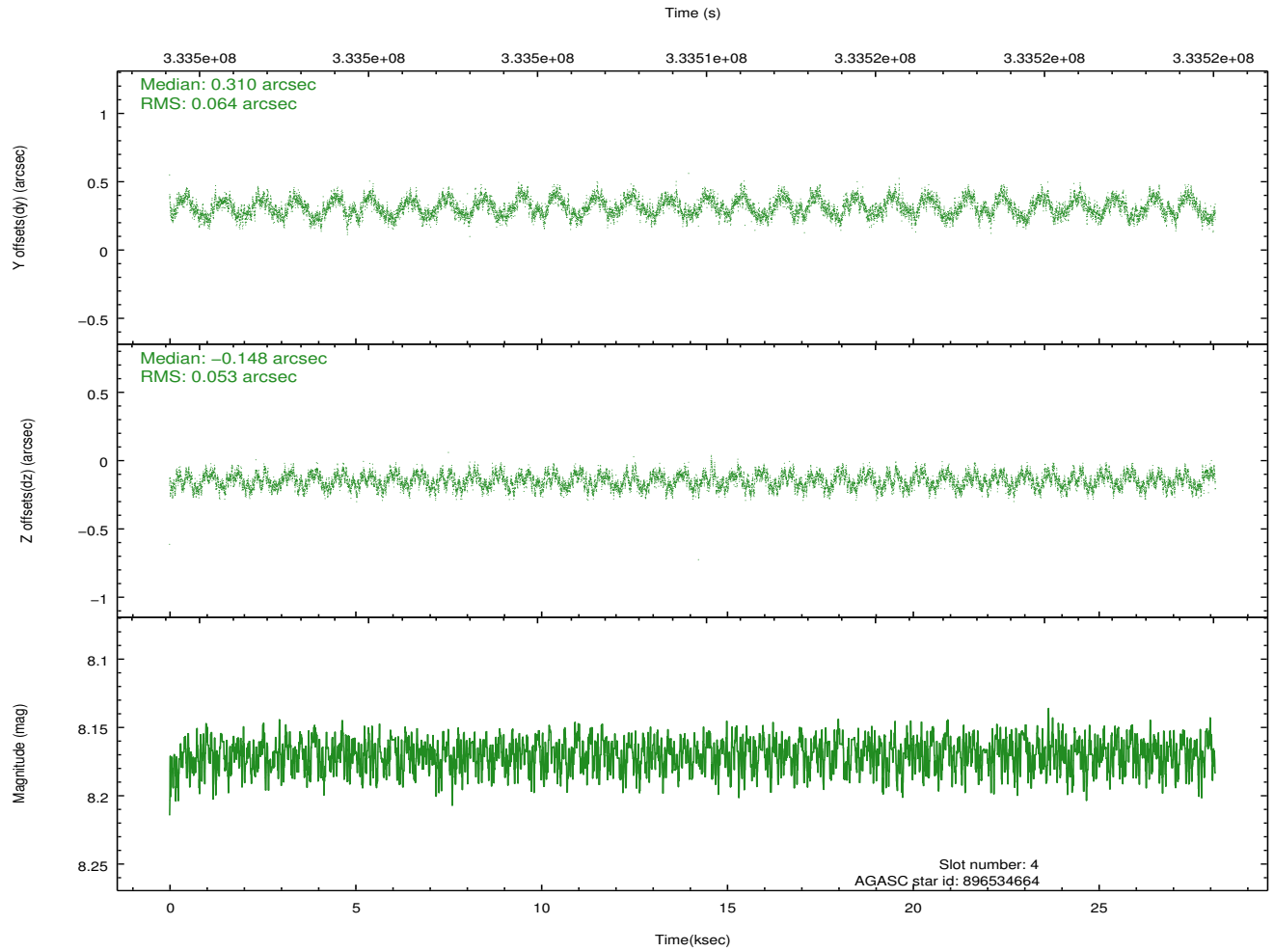
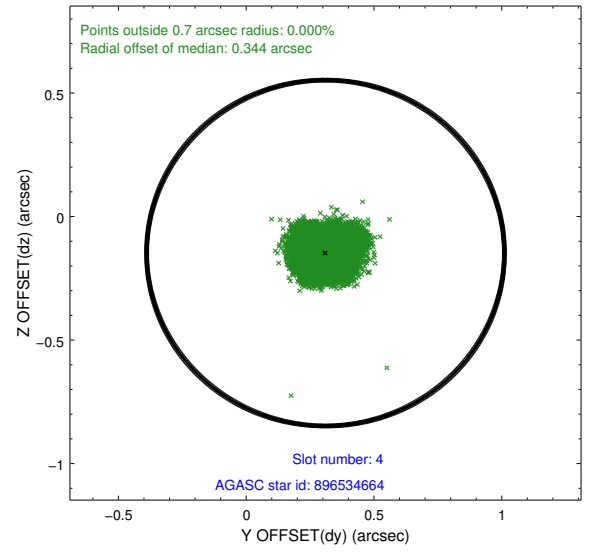
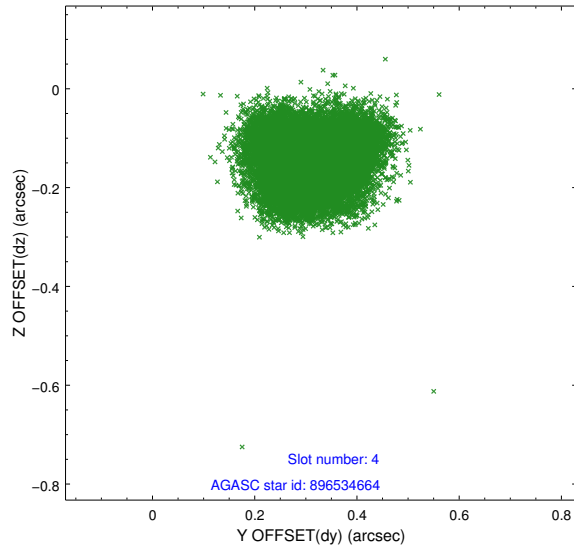
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.98	6864	0.009	0.043	0.014	0.025	0.000000	0.000000	926.31	-837.49
1	FID	ACIS-I-5	6.97	6863	-0.176	0.032	0.010	0.018	0.000000	0.000000	-1821.96	1059.91
2	FID	ACIS-I-6	6.98	6864	0.074	-0.006	0.015	0.036	0.000000	0.000000	391.79	1704.51
3	GUIDE	896533888	7.01	13726	-0.063	0.008	0.057	0.089	266.666434	-29.392757	1518.26	677.04
4	GUIDE	896534664	8.17	13721	0.310	-0.148	0.091	0.136	266.405570	-28.407461	-2094.86	230.28
5	GUIDE	896537176	8.02	13725	-0.071	-0.021	0.062	0.097	266.498272	-28.678259	-1095.45	420.68
6	GUIDE	896541360	7.72	13728	-0.048	0.064	0.067	0.107	266.684478	-29.453744	1742.51	710.16
7	GUIDE	896404568	7.86	13724	-0.132	0.100	0.062	0.097	265.687293	-28.431080	-2239.29	-2040.81

2.4 Star Slots

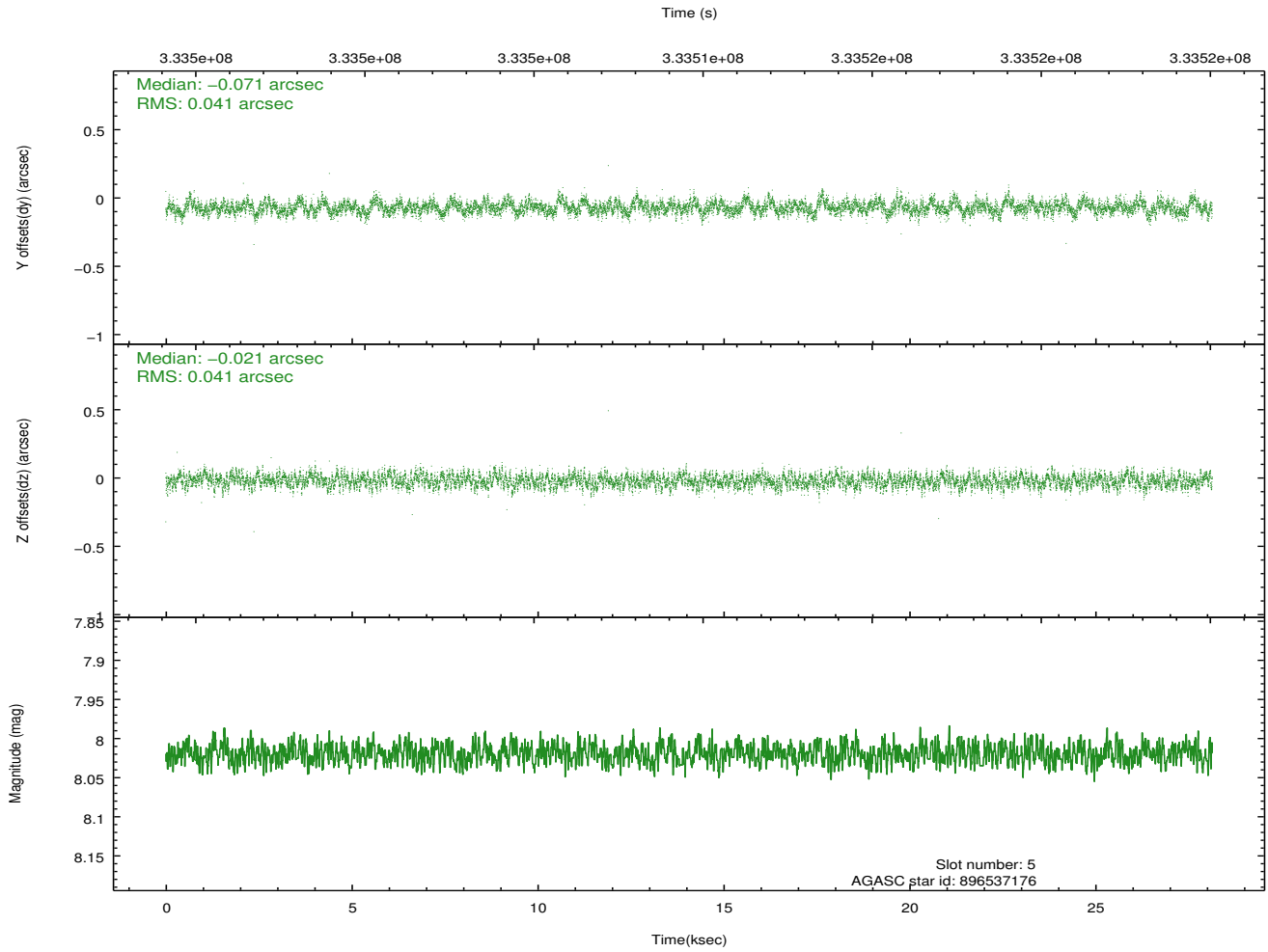
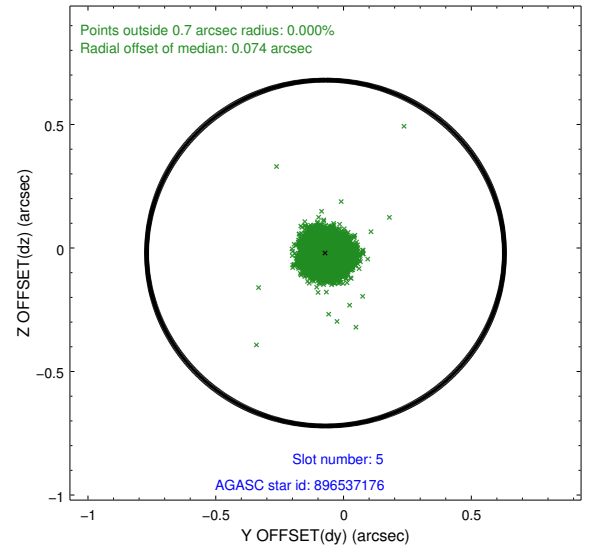
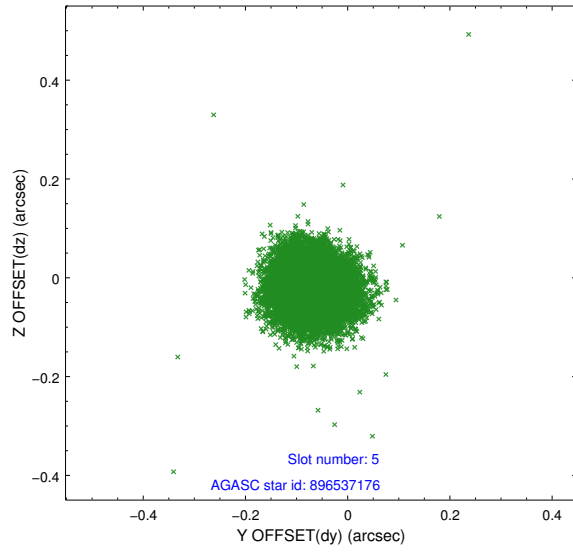
2.4.1 Slot 3



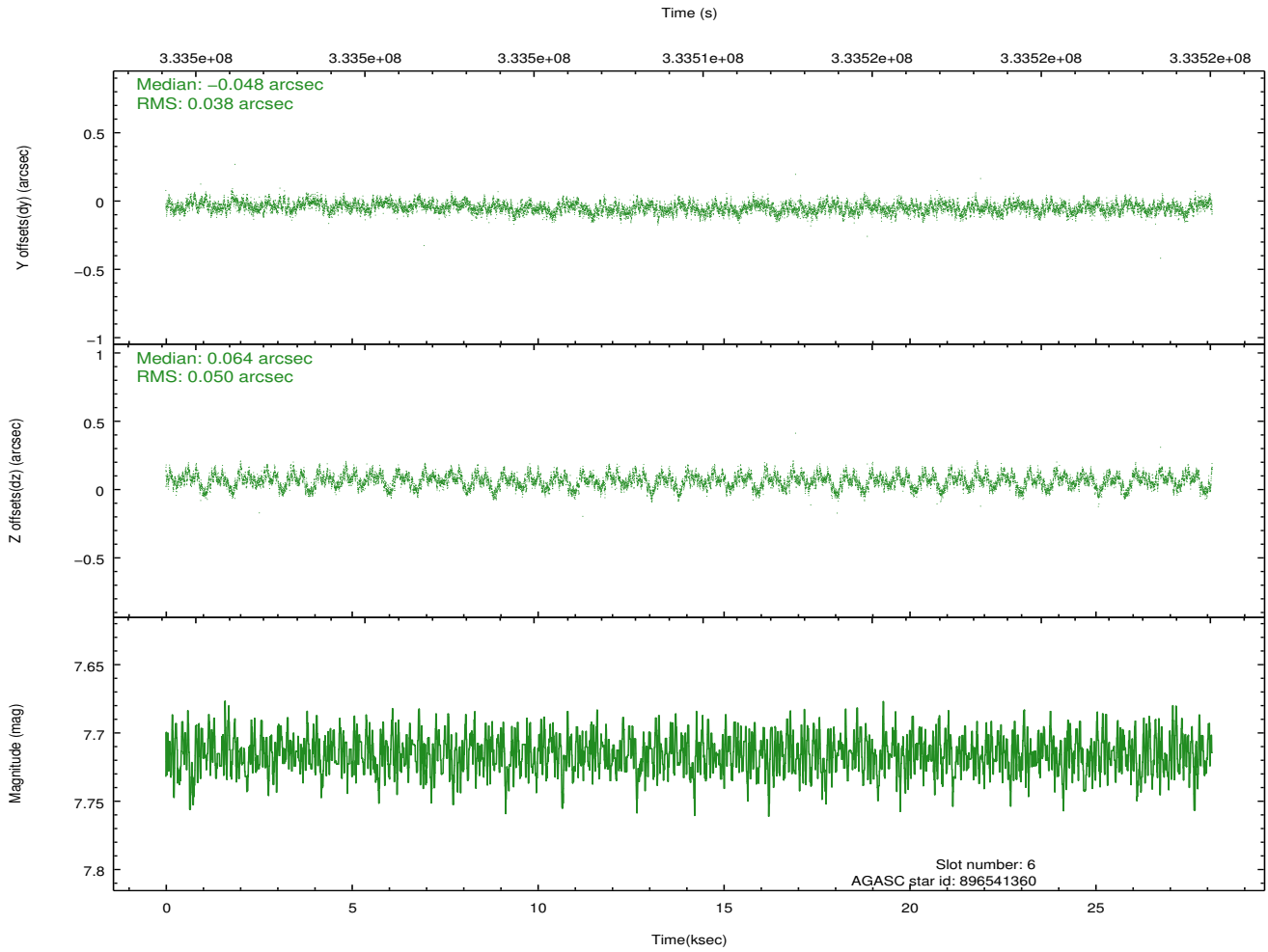
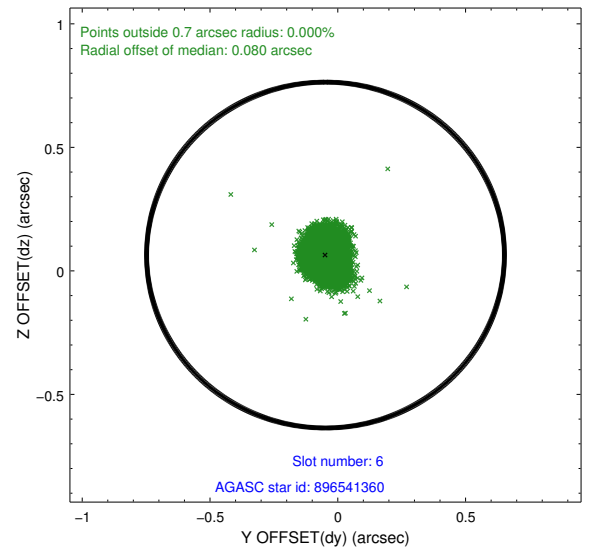
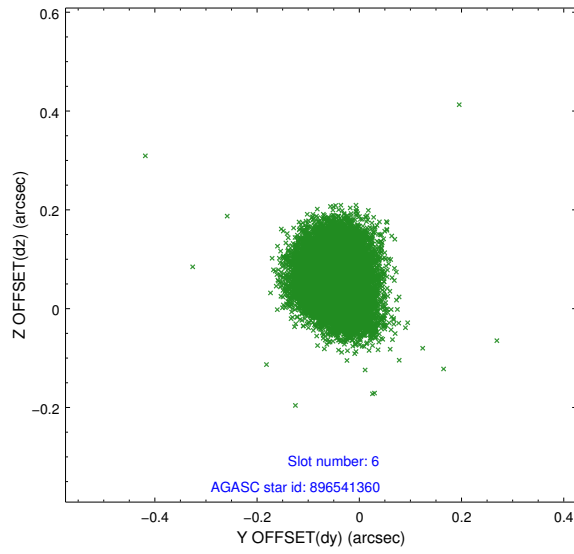
2.4.2 Slot 4



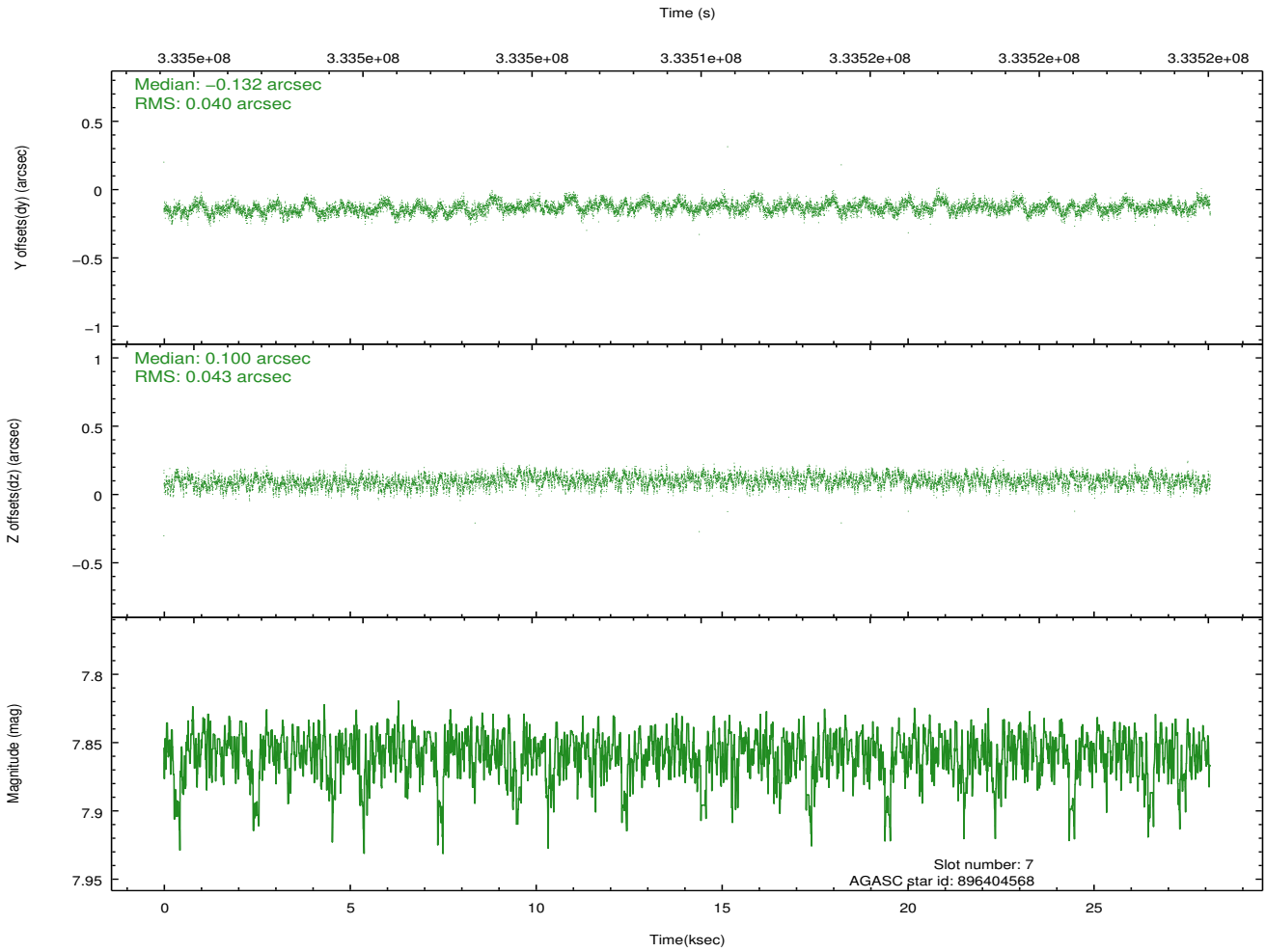
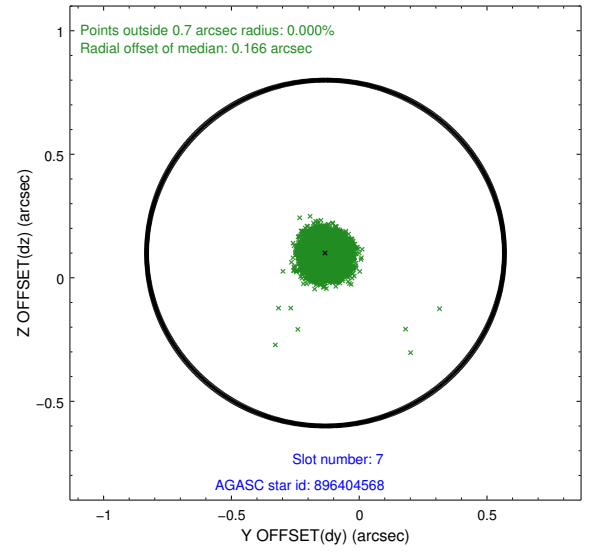
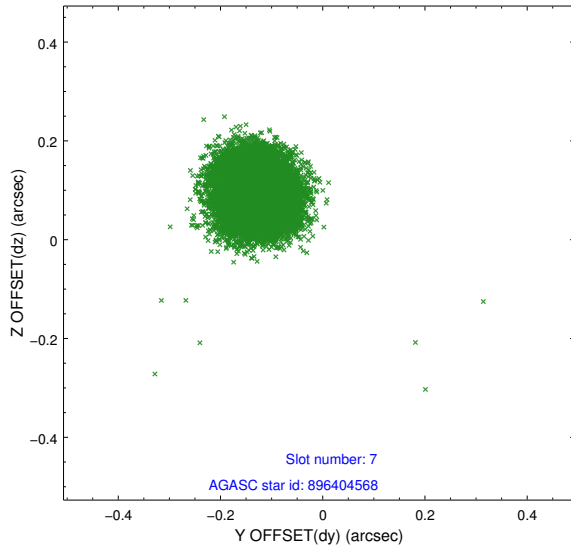
2.4.3 Slot 5



2.4.4 Slot 6

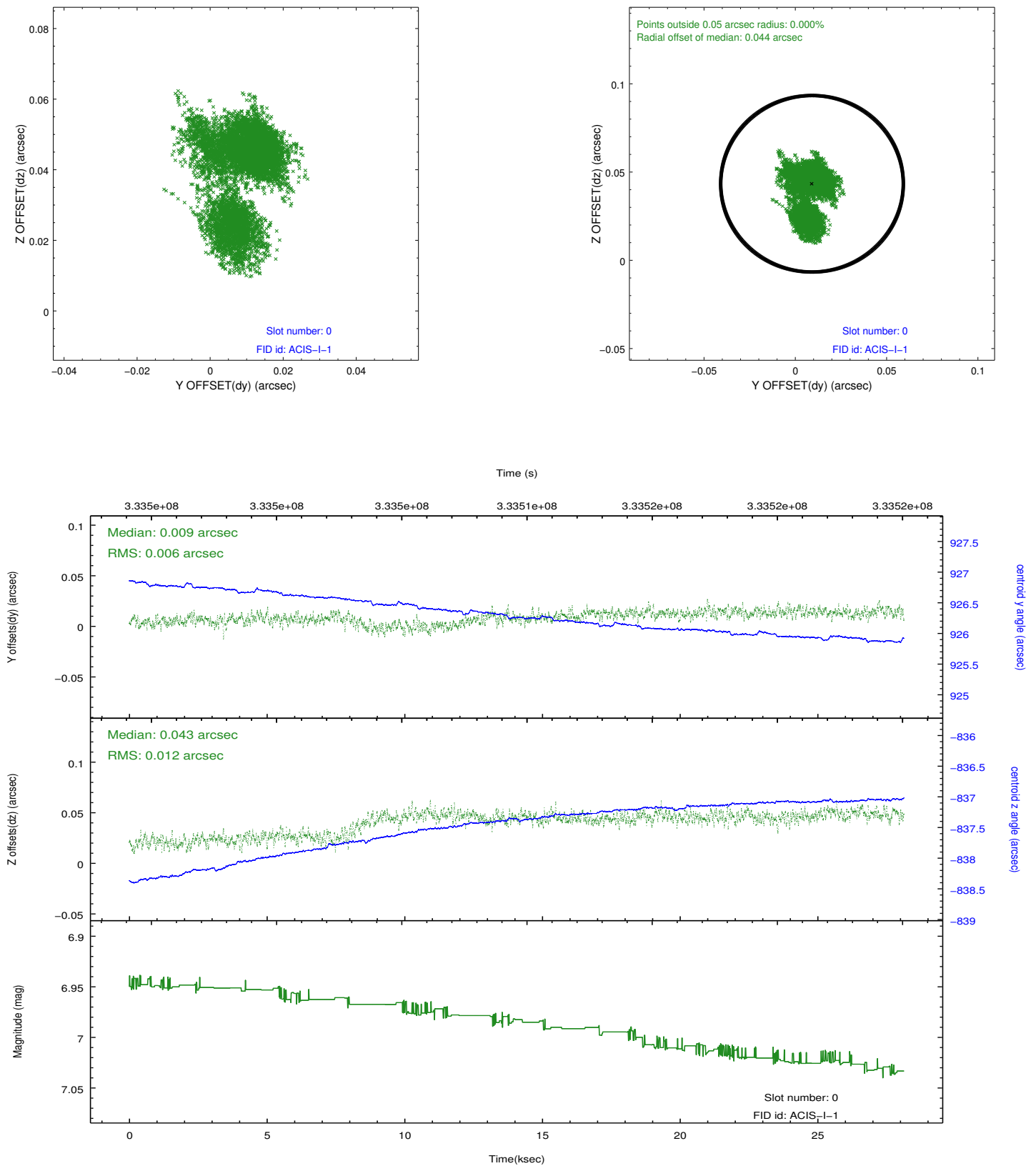


2.4.5 Slot 7

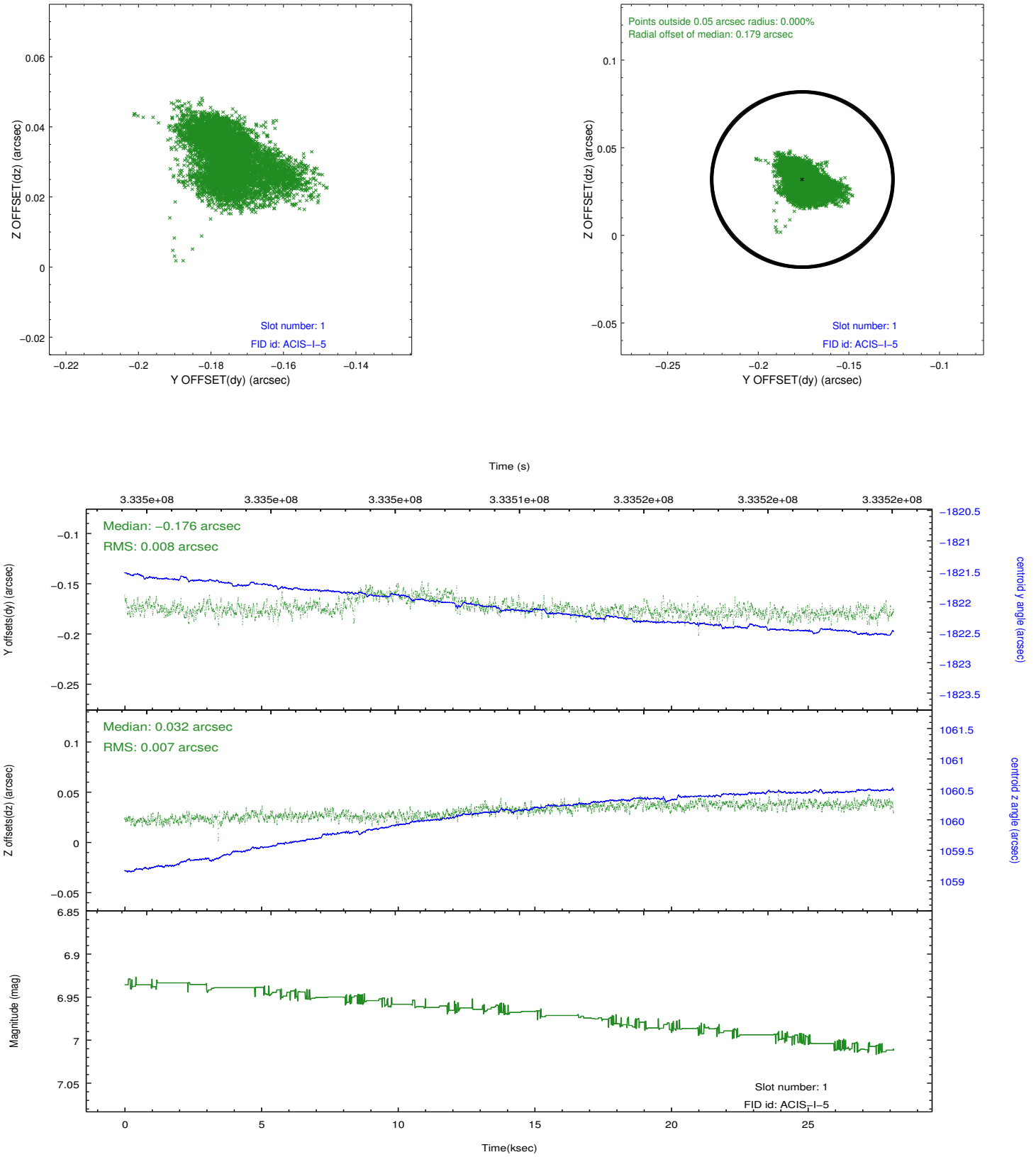


2.5 FID Slots

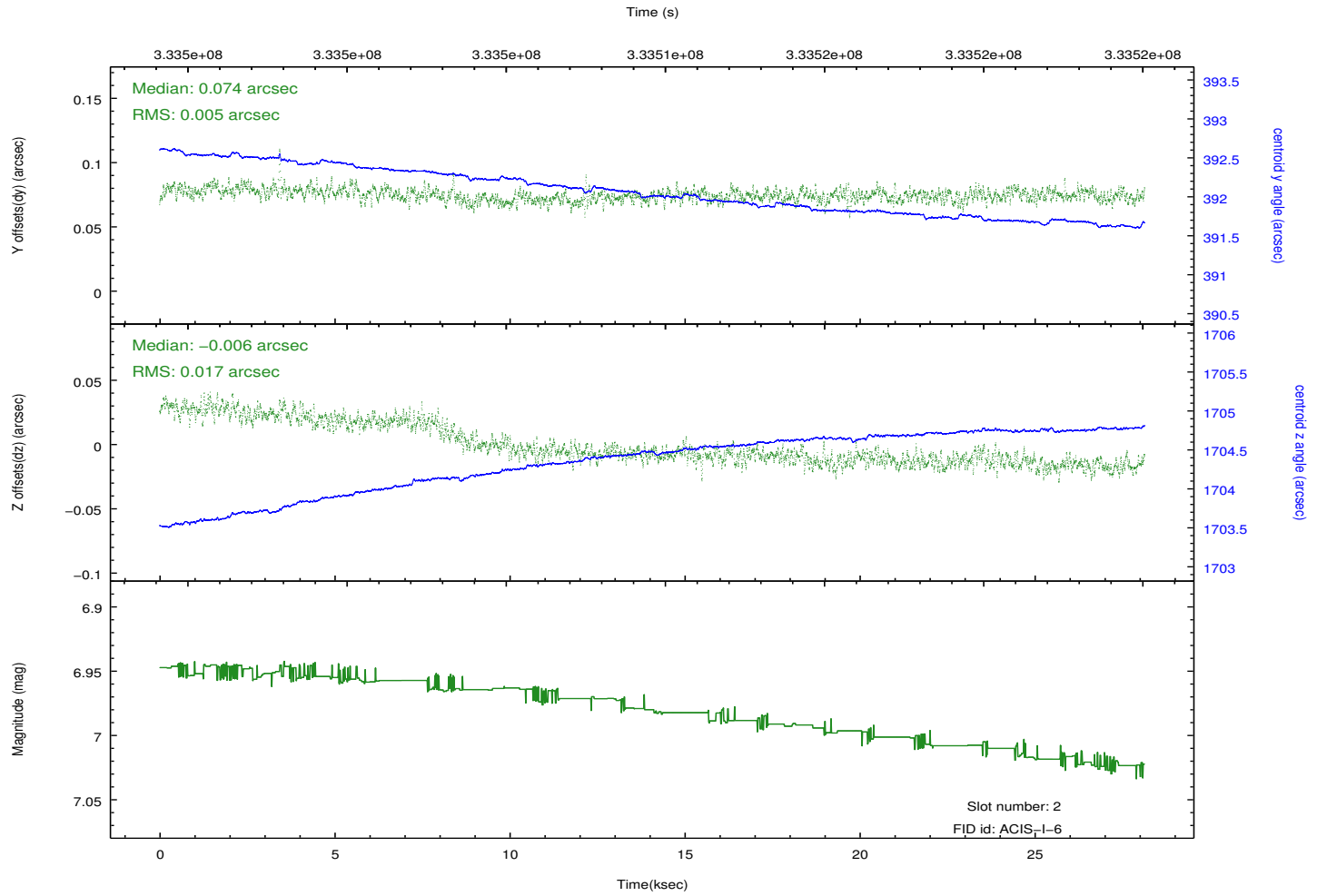
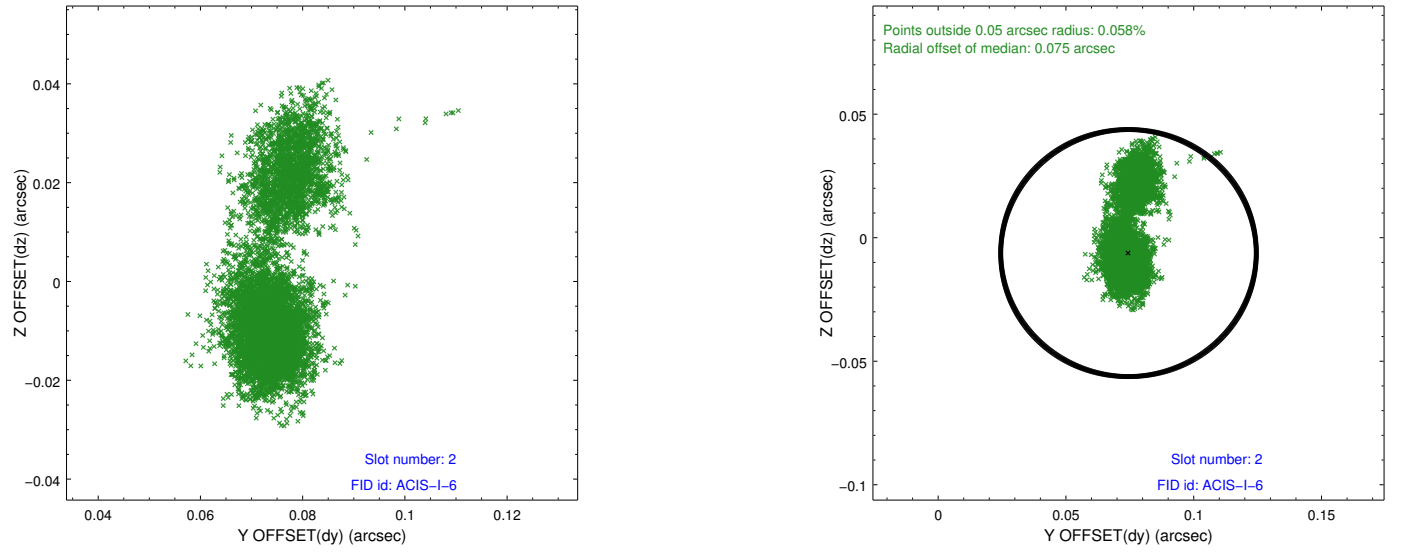
2.5.1 Slot 0



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)	2012.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.1311998

A.2 Comments

Window preference met.

Phase constraint met.