

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10429 - L2 Version 2
Chandra X-Ray Center

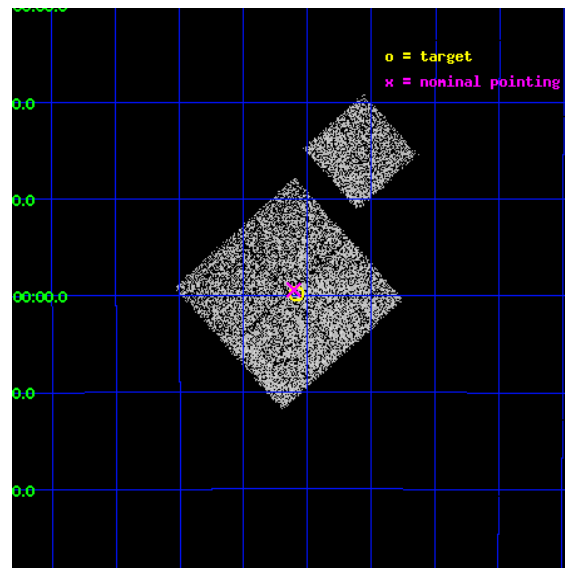
L2 Processing Date : Jun 2 2012

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

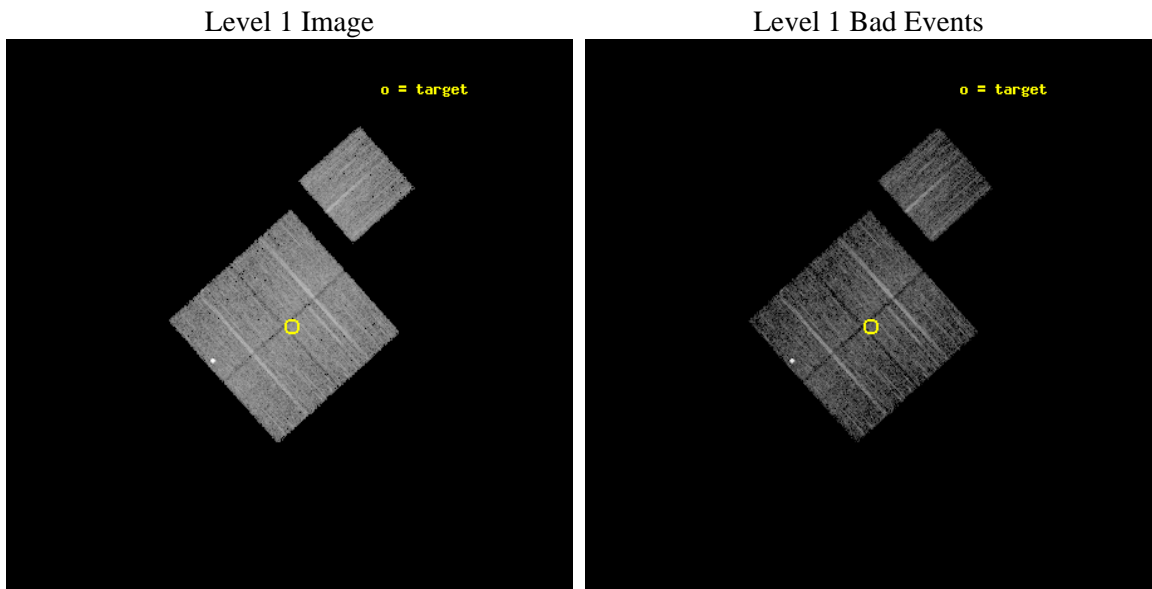
seq_num	800790	Sequence number
obs_id	10429	Observation id
title	A Chandra baseline for galaxy cluster evolution studies	Proposal t
observer	Dr Ben Maughan	Principal investigator
object	A1736	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.897542	Observer's specified target RA [deg]
dec_targ	-26.997555	Observer's specified target Dec [deg]
ra_nom	201.90133442692	Nominal RA [deg]
dec_nom	-26.990183732675	Nominal Dec [deg]
roll_nom	48.010346189561	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4770.9000366926	Sum of GTIs [s]
livetime	4708.5647154277	Livetime [s]
ontime0	4770.9000366926	Sum of GTIs [s]
ontime1	4770.9000366926	Sum of GTIs [s]
ontime2	4770.9000366926	Sum of GTIs [s]
ontime3	4770.9000366926	Sum of GTIs [s]
ontime6	4770.9000366926	Sum of GTIs [s]
l2events	20287	Number of level 2 events



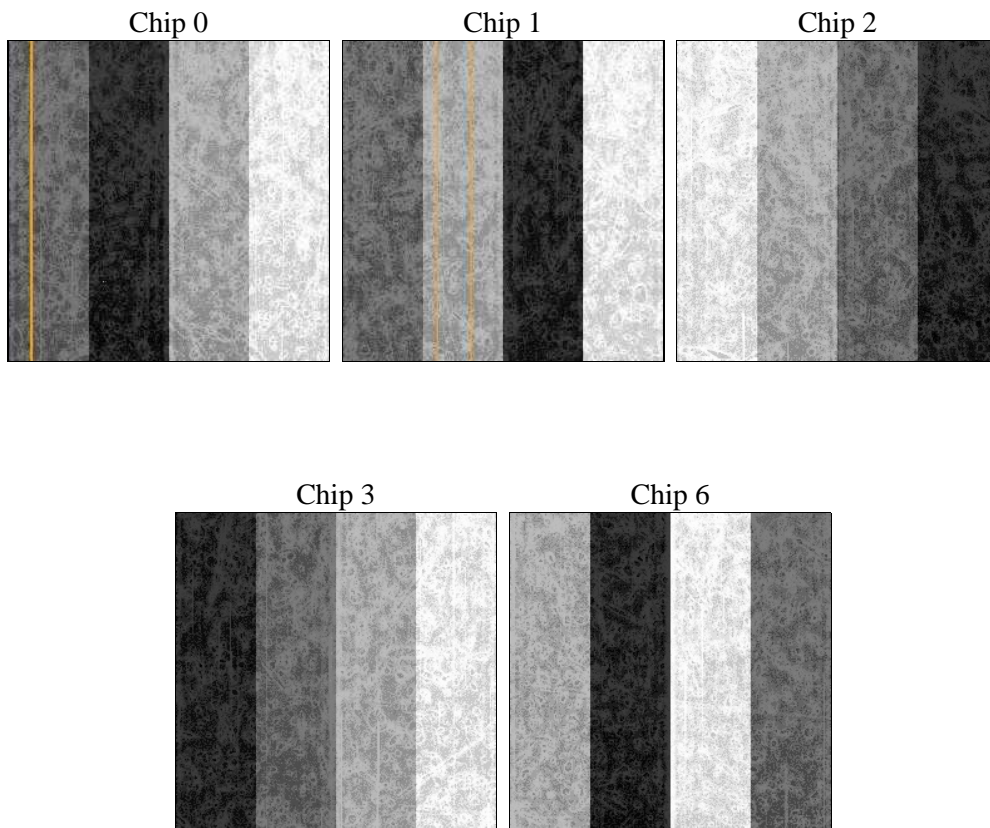
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4770.9000366926	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4770.9000366926	Sum of GTIs [s]
date	2012-06-02T14:32:43	Date and time of file creation	ontime1	4770.9000366926	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4770.9000366926	Sum of GTIs [s]
			ontime3	4770.9000366926	Sum of GTIs [s]
			ontime6	4770.9000366926	Sum of GTIs [s]
			l1events	208693	Number of level 1 events

2.1.4 Events

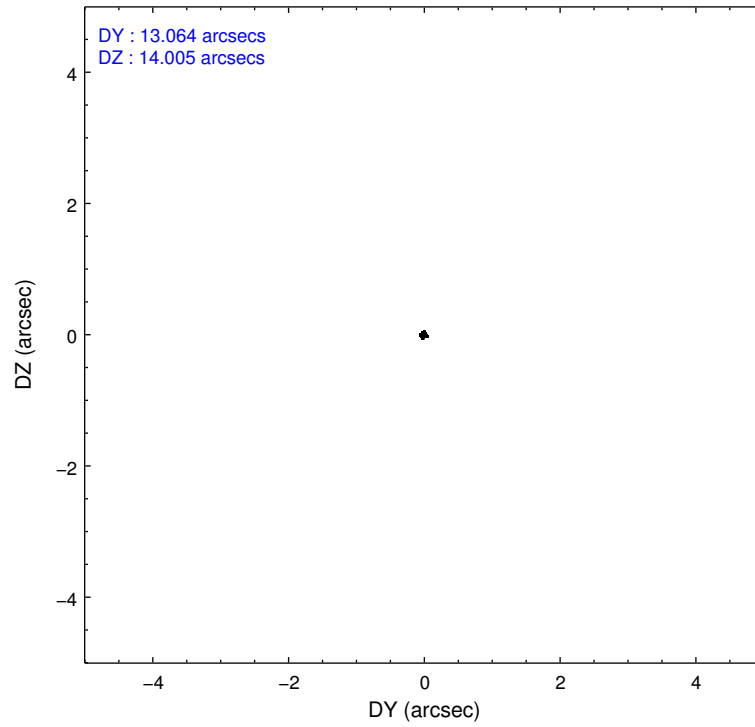
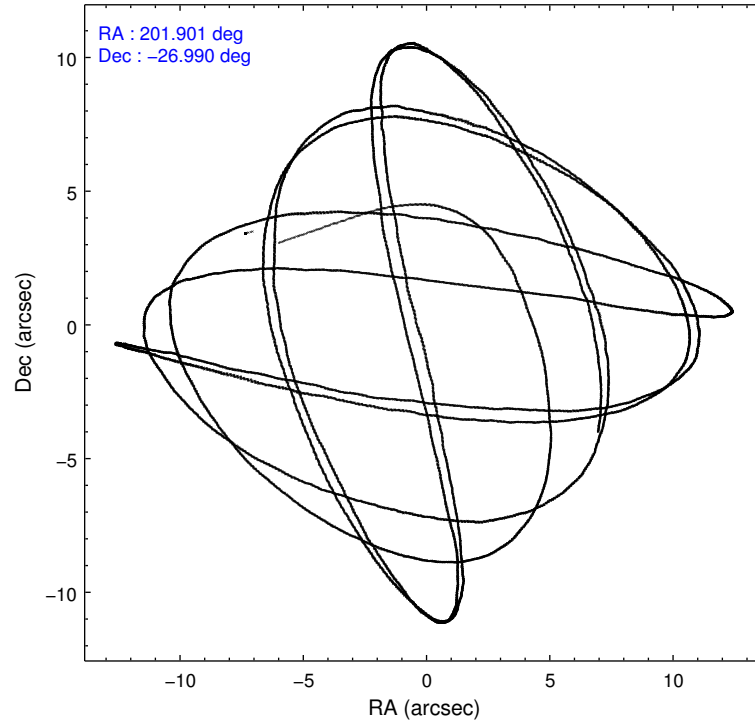
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	42484	39375	42372	42992	41470
rejected events	36629	33625	37950	37937	37099
rejected %	86%	85%	89%	88%	89%

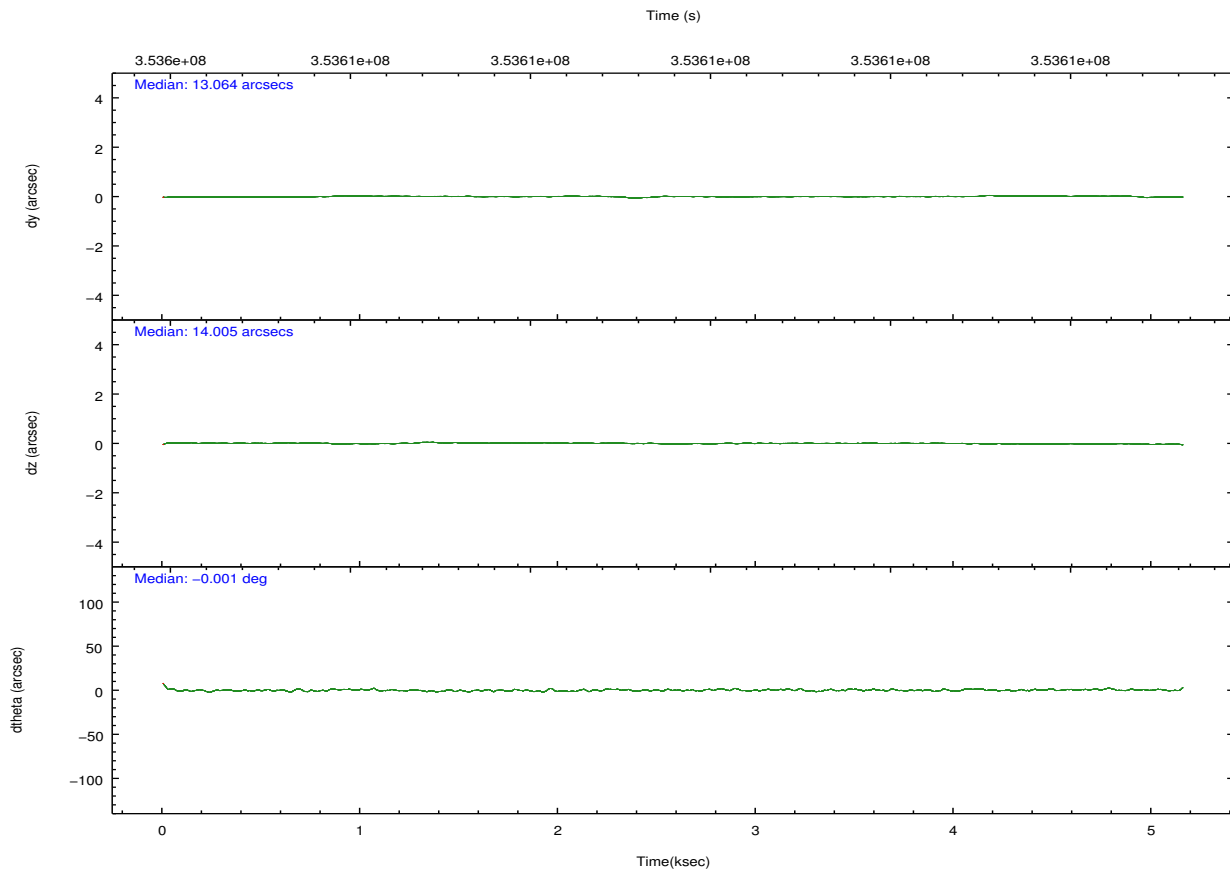
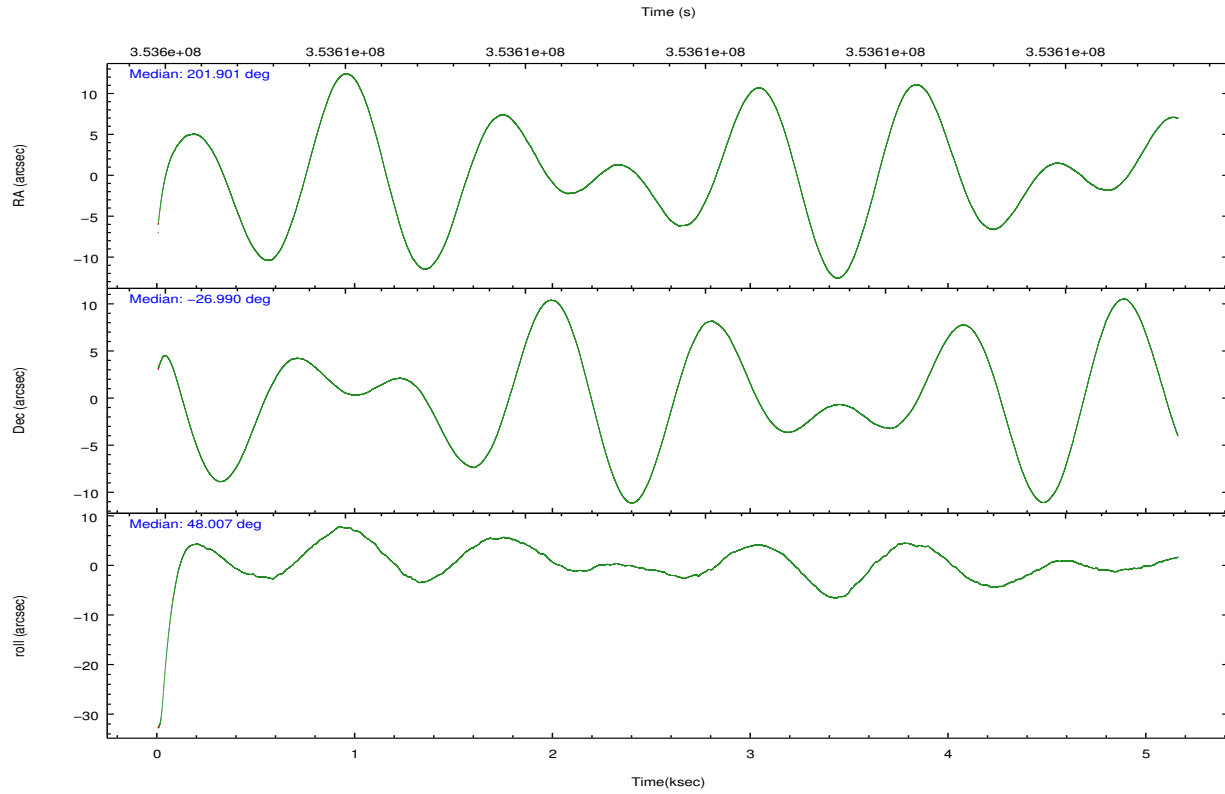
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3043	2619	1771	2305	1603
	7%	6%	4%	5%	3%
grade 1 events	2821	29	42	21	19
	6%	0%	0%	0%	0%
grade 2 events	1018	1222	998	969	928
	2%	3%	2%	2%	2%
grade 3 events	489	518	450	495	461
	1%	1%	1%	1%	1%
grade 4 events	432	511	459	470	439
	1%	1%	1%	1%	1%
grade 5 events	1560	1623	1407	1678	1702
	3%	4%	3%	3%	4%
grade 6 events	884	893	749	824	947
	2%	2%	1%	1%	2%
grade 7 events	32237	31960	36496	36230	35371
	75%	81%	86%	84%	85%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	201.895042	201.9013344269204	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.017129	-26.99018373267503	CCD I3 on	Y	Y
[deg] Pointing Roll	47.798867	48.01034618956093	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	353605378.184000	353604151.76733	CCD S5 on	N	N
Observation start date	2009-03-16T15:41:52	2009-03-16T15:22:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	353610378.184000	353611092.55517	On-chip summing requested	N	N
Observation end date	2009-03-16T17:05:12	2009-03-16T17:18:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



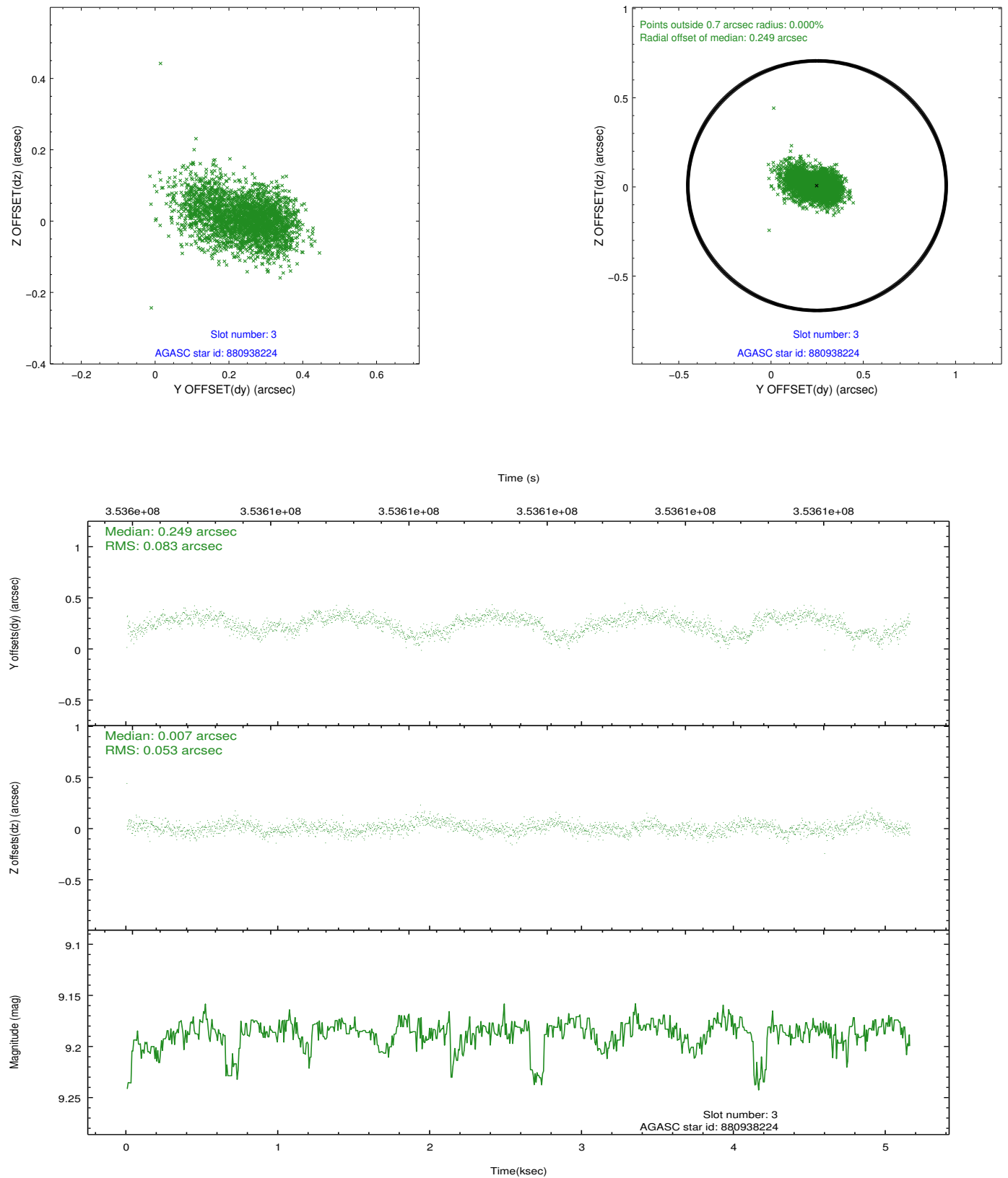


Slot Statistics

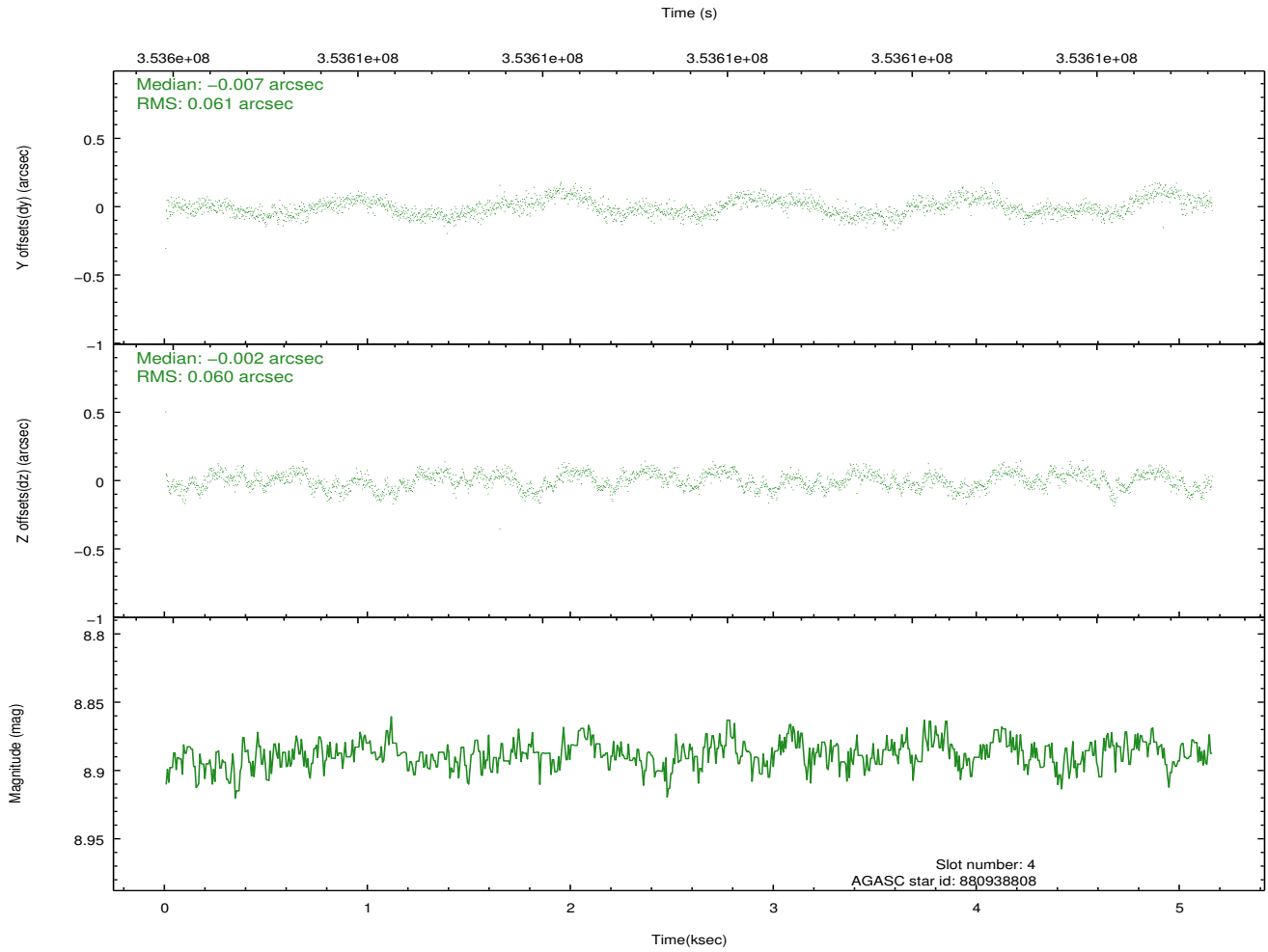
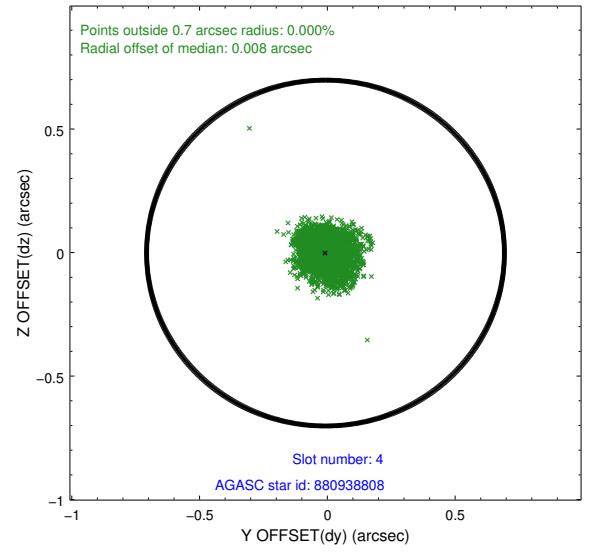
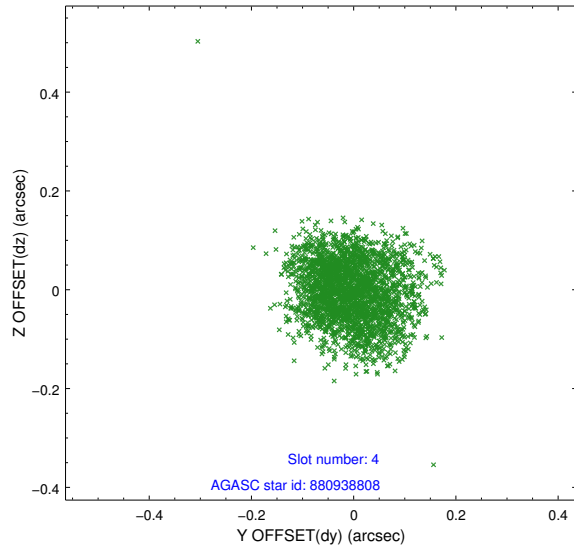
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.12	1258	-0.052	0.076	0.008	0.016	0.000000	0.000000	926.39	-837.51
1	FID	ACIS-I-2	7.03	1258	-0.148	-0.090	0.007	0.011	0.000000	0.000000	-767.15	-844.68
2	FID	ACIS-I-4	7.03	1256	0.101	0.081	0.006	0.012	0.000000	0.000000	2145.91	1061.69
3	GUIDE	880938224	9.19	2512	0.249	0.007	0.103	0.173	201.238253	-27.148228	-1766.69	1237.92
4	GUIDE	880938808	8.89	2514	-0.007	-0.002	0.091	0.142	201.379902	-27.218141	-1647.19	733.88
5	GUIDE	880945376	8.02	2515	-0.227	-0.253	0.080	0.123	201.527731	-26.606601	297.98	1867.61
6	GUIDE	880947800	8.87	2512	-0.007	0.045	0.095	0.148	202.456089	-26.569485	2404.42	-257.30
7	GUIDE	880939792	9.78	2512	0.002	0.208	0.125	0.203	202.282991	-27.623783	-786.85	-2384.84

2.4 Star Slots

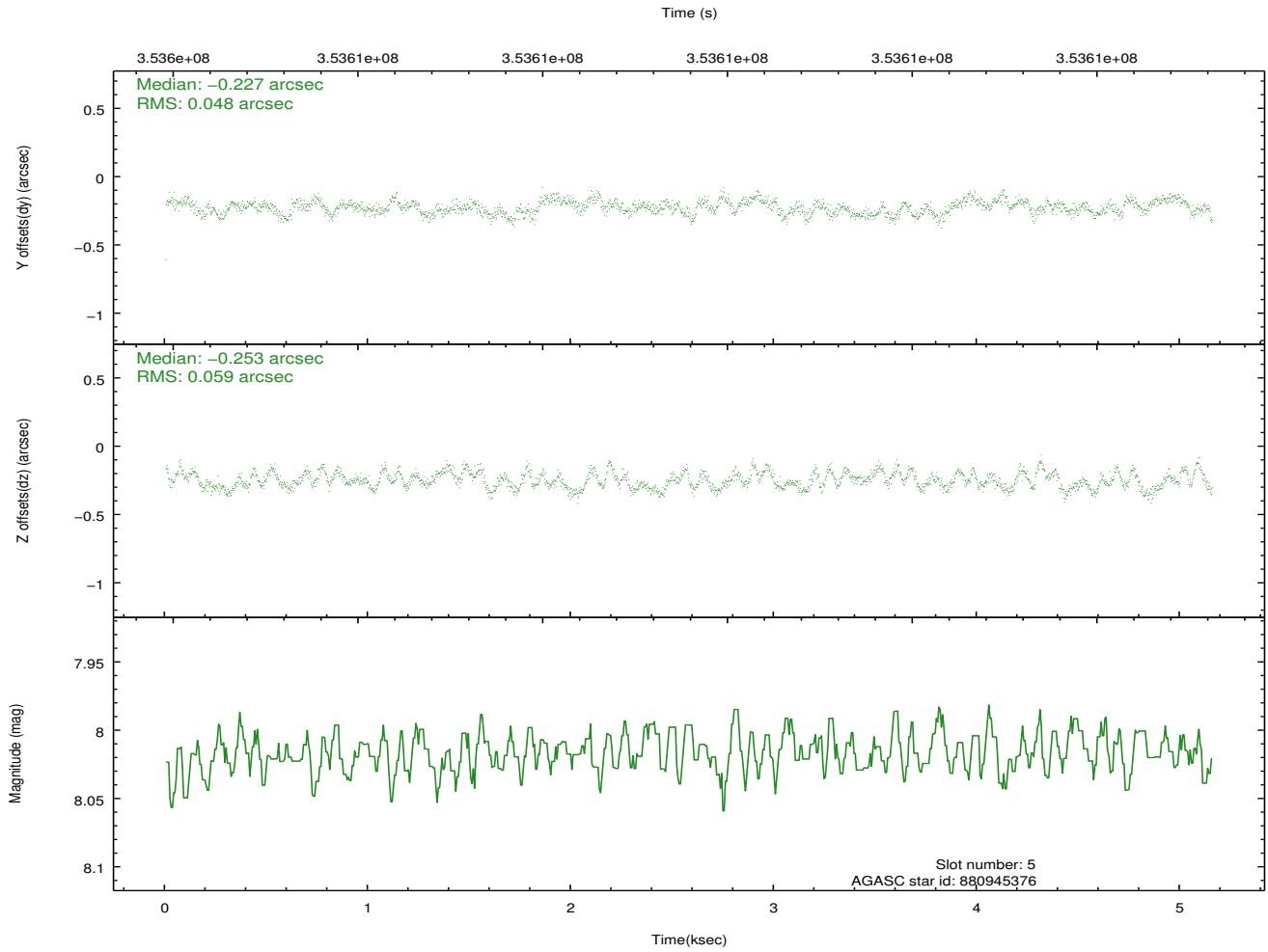
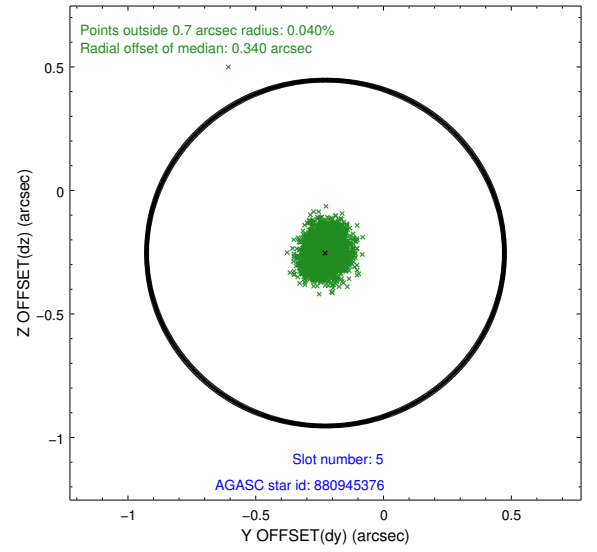
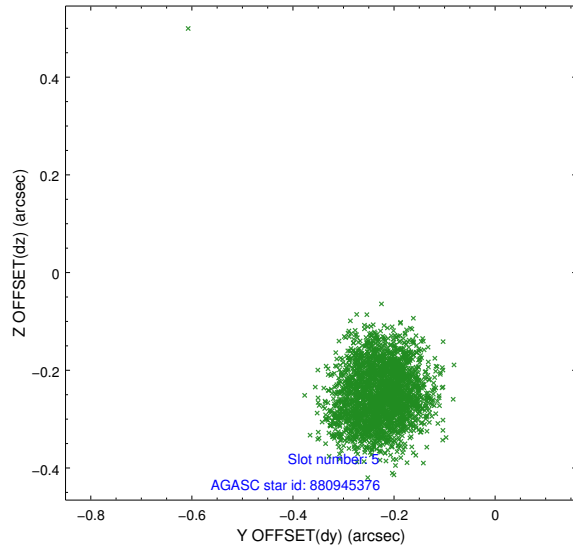
2.4.1 Slot 3



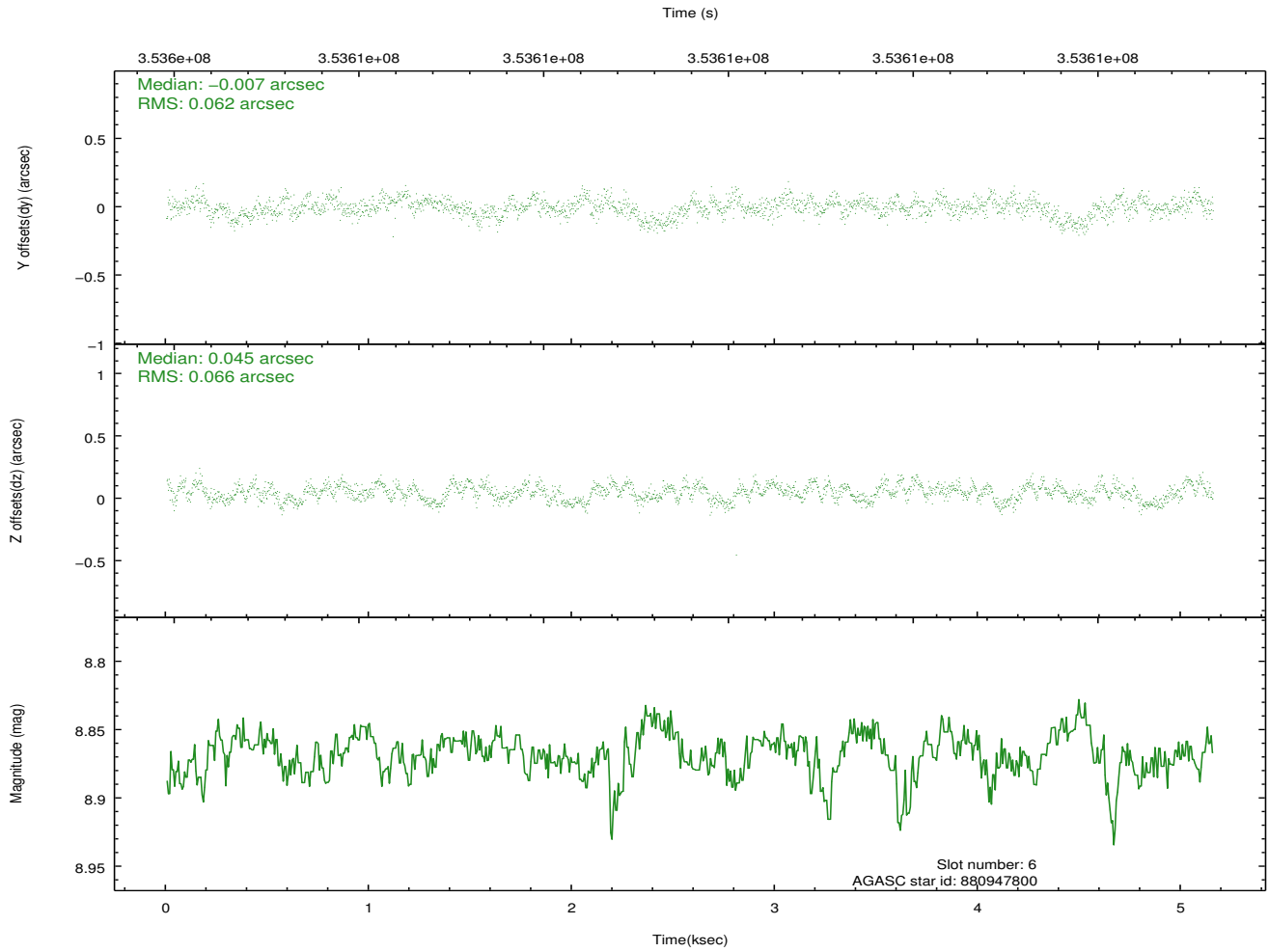
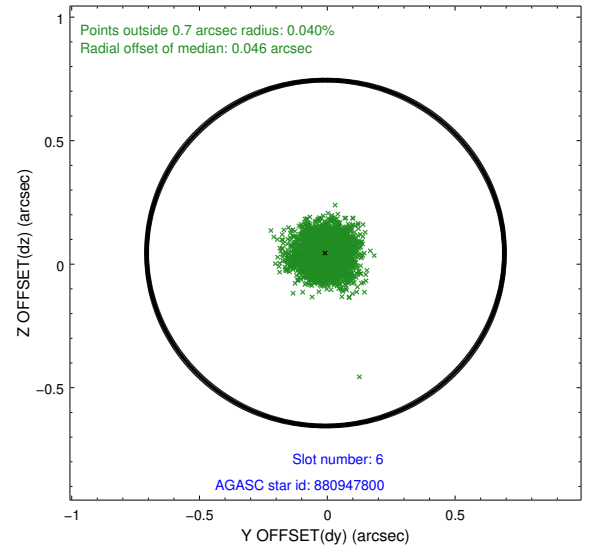
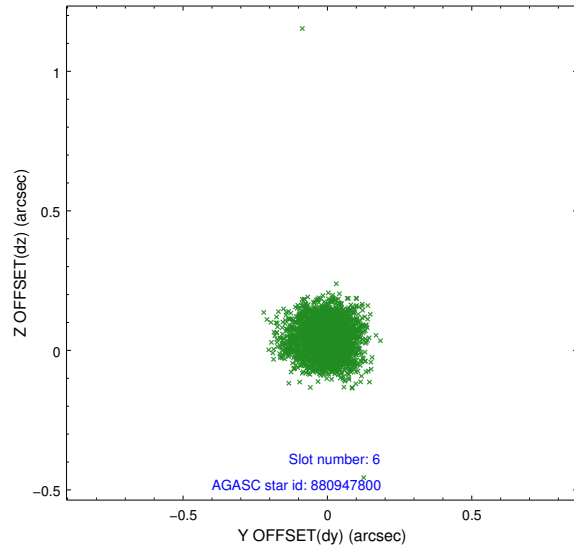
2.4.2 Slot 4



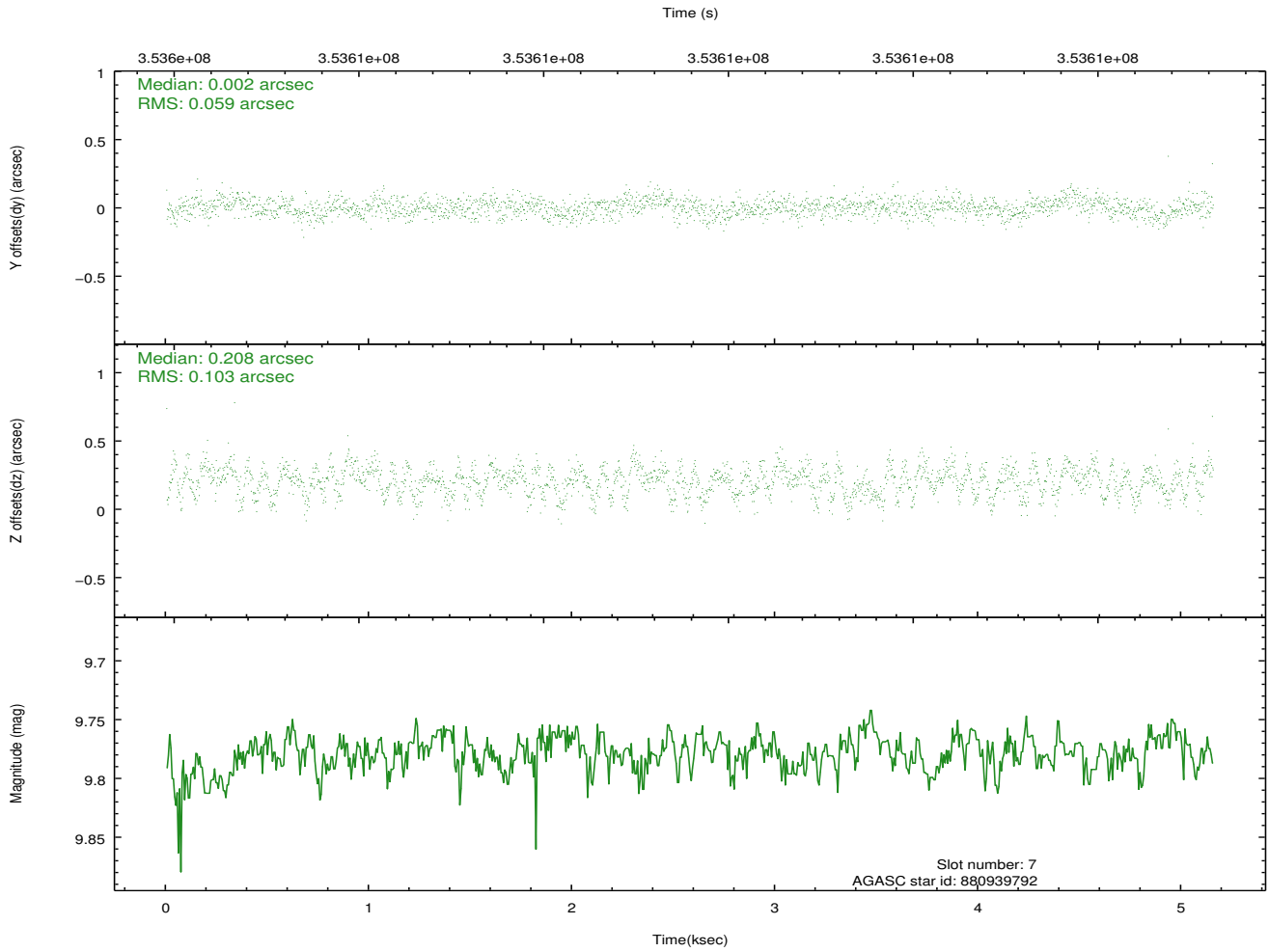
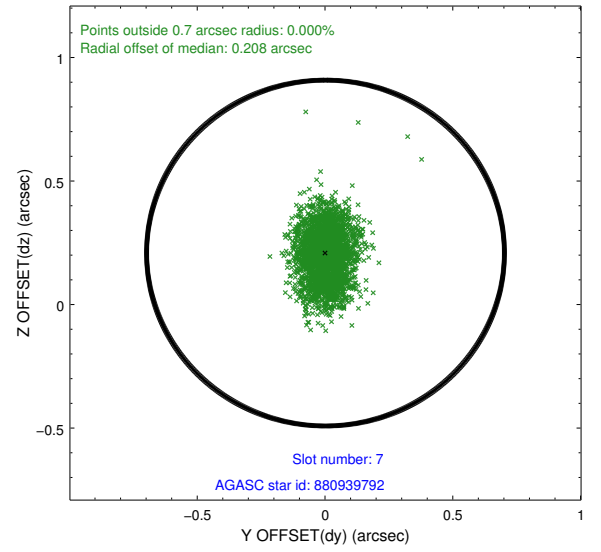
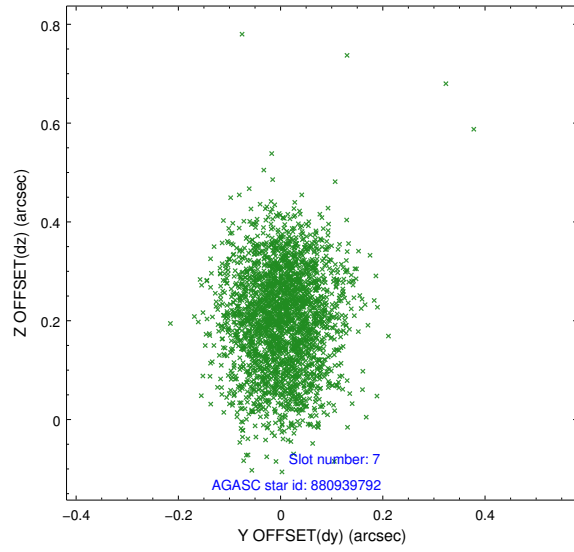
2.4.3 Slot 5



2.4.4 Slot 6

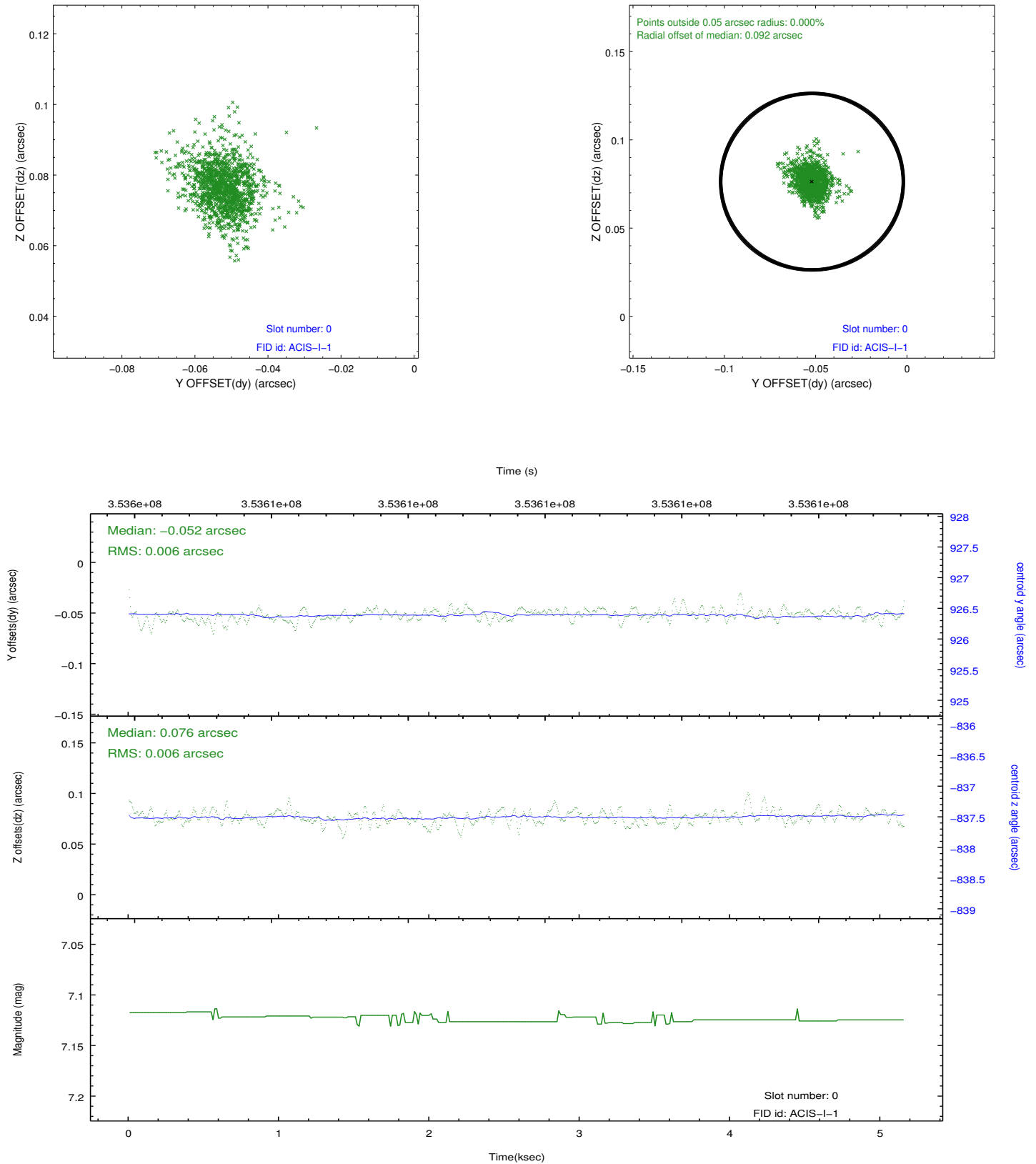


2.4.5 Slot 7

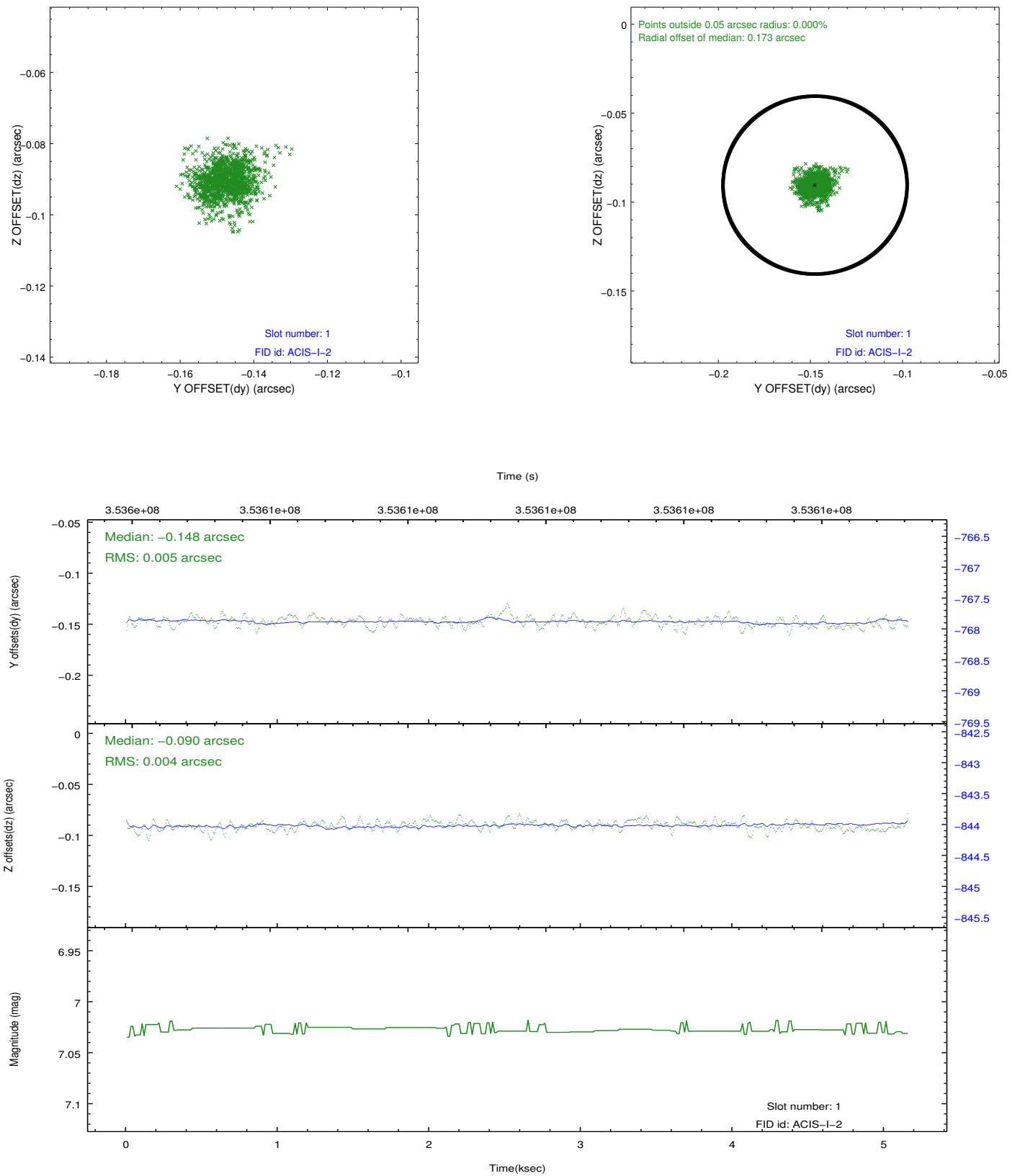


2.5 FID Slots

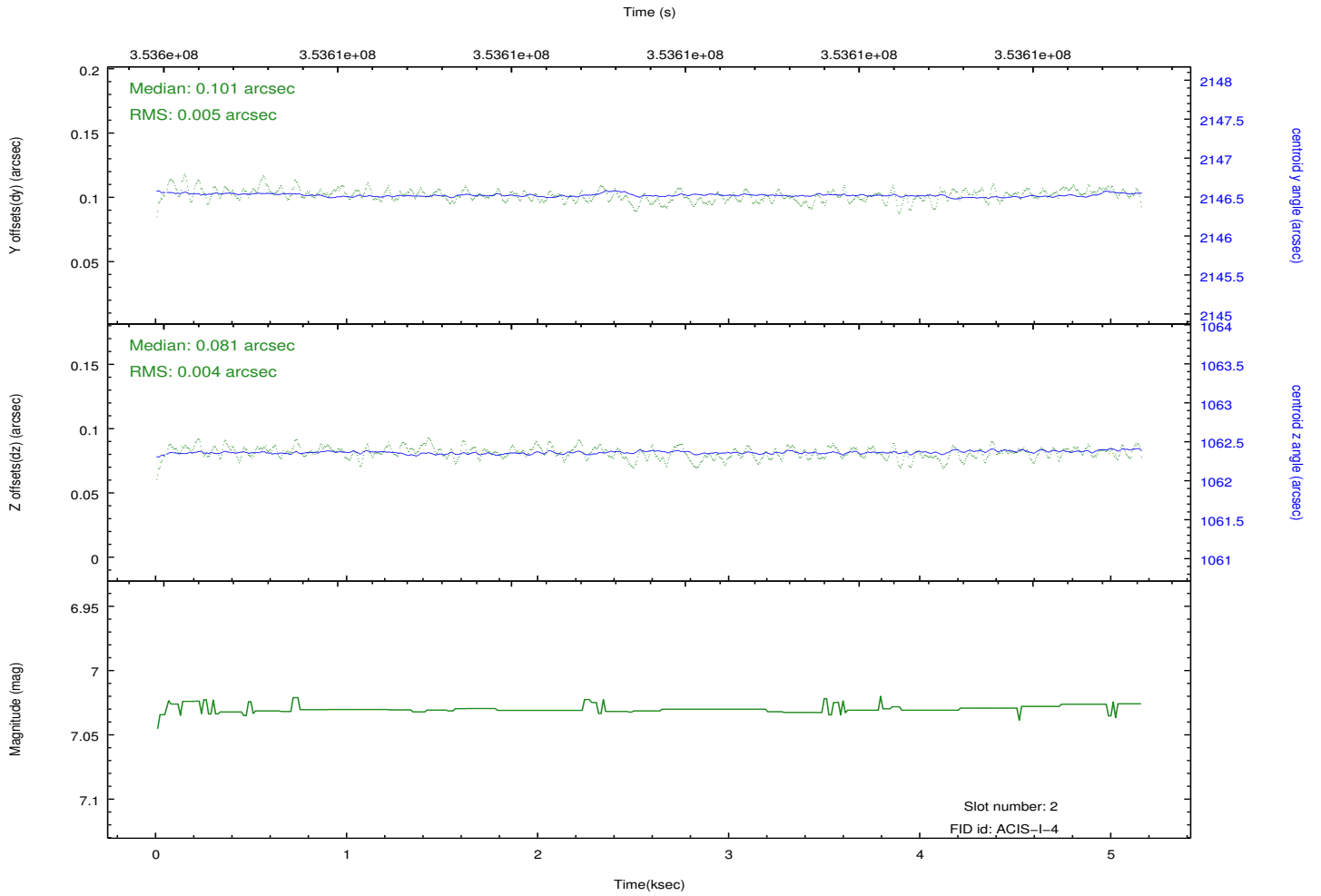
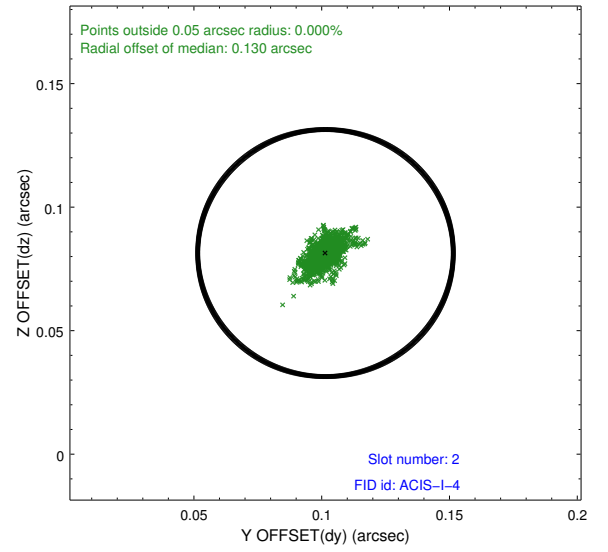
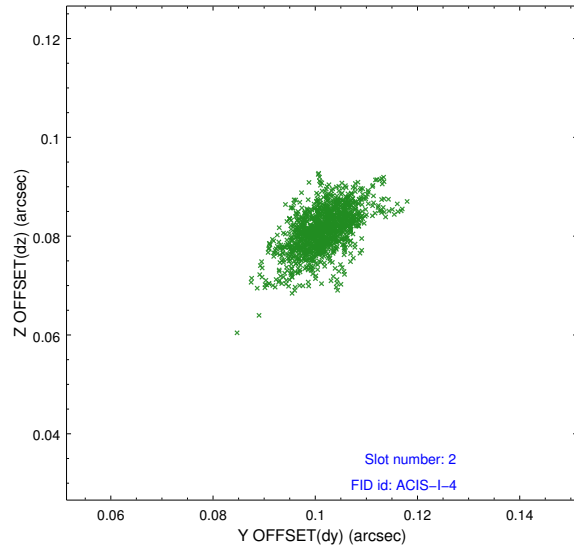
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.77090003

A.2 Comments