

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10418 - L2 Version 2
Chandra X-Ray Center

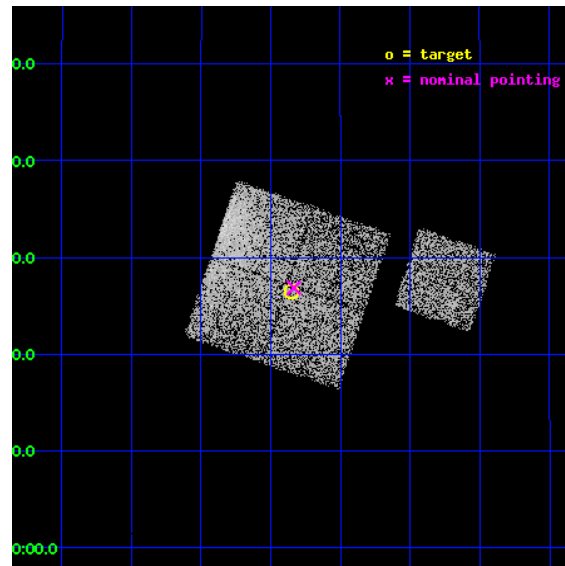
L2 Processing Date : Jun 9 2012

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1 Front

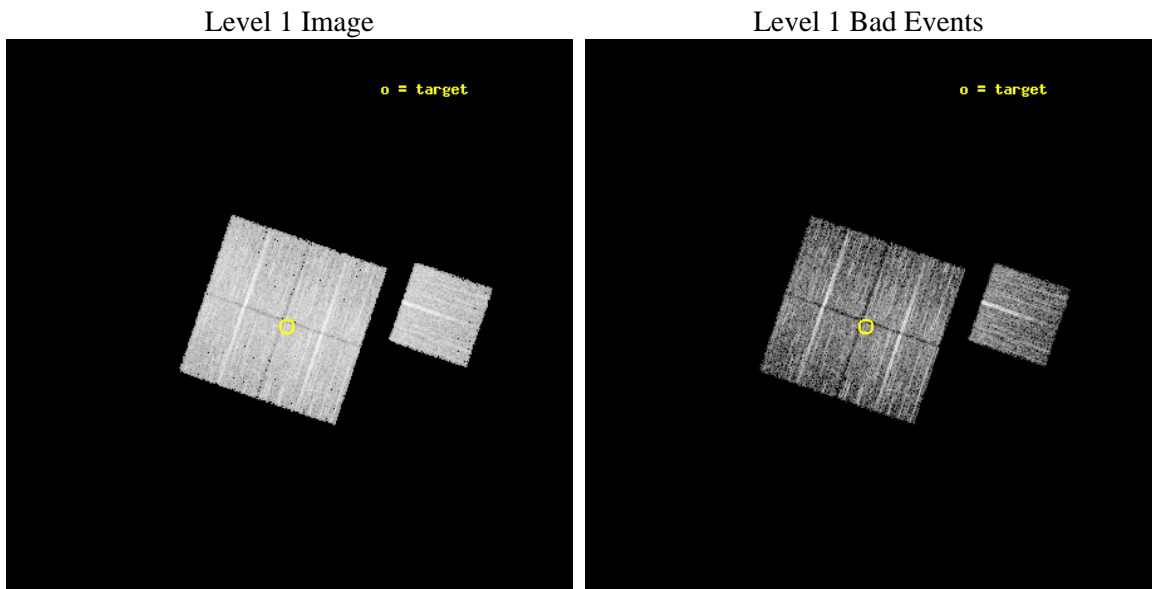
seq_num	800779	Sequence number
obs_id	10418	Observation id
title	A Chandra baseline for galaxy cluster evolution studies	Proposal t
observer	Dr Ben Maughan	Principal investigator
object	A401	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	44.588333	Observer's specified target RA [deg]
dec_targ	13.441332	Observer's specified target Dec [deg]
ra_nom	44.583354996473	Nominal RA [deg]
dec_nom	13.447924682656	Nominal Dec [deg]
roll_nom	108.85983597681	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4776.5009886622	Sum of GTIs [s]
livetime	4714.0924868365	Livetime [s]
ontime0	4776.3778686523	Sum of GTIs [s]
ontime1	4776.4188888073	Sum of GTIs [s]
ontime2	4773.3189882636	Sum of GTIs [s]
ontime3	4776.5009886622	Sum of GTIs [s]
ontime6	4776.3368088007	Sum of GTIs [s]
l2events	25084	Number of level 2 events



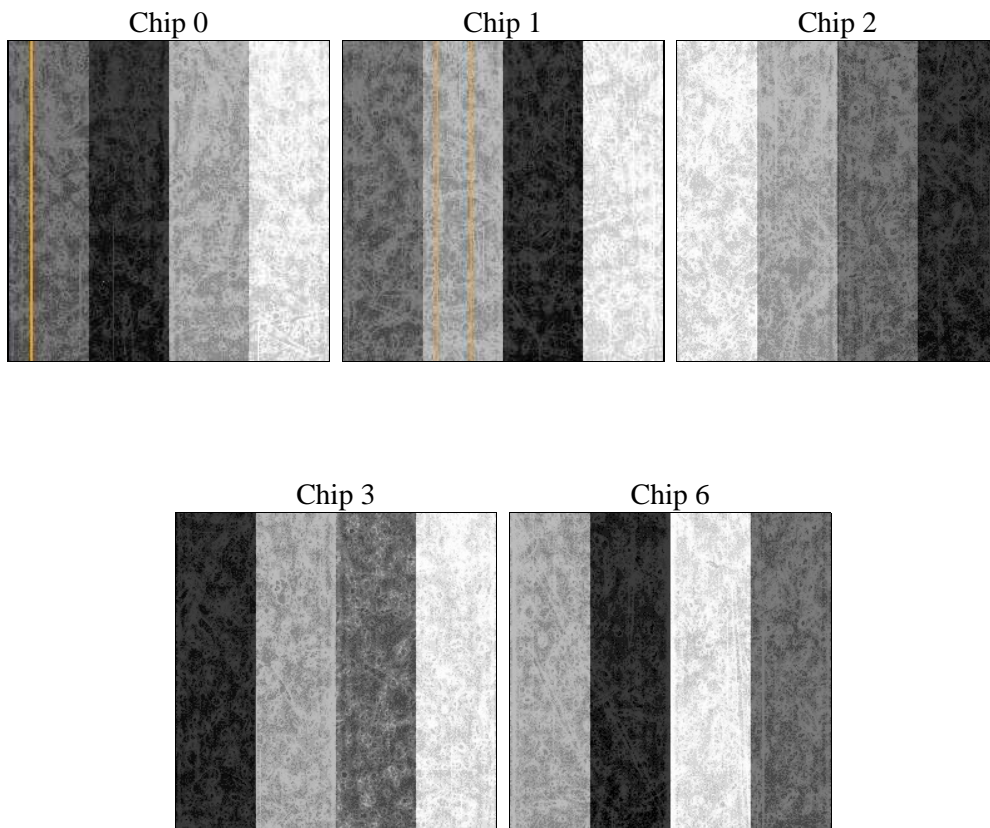
2 OBI

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	8.4.5	Processing system revision	ontime	4776.5009886622	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	4776.3778686523	Sum of GTIs [s]
date	2012-06-09T21:47:00	Date and time of file creation	ontime1	4776.4188888073	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4773.3189882636	Sum of GTIs [s]
			ontime3	4776.5009886622	Sum of GTIs [s]
			ontime6	4776.3368088007	Sum of GTIs [s]
			l1events	217531	Number of level 1 events

2.1.4 Events

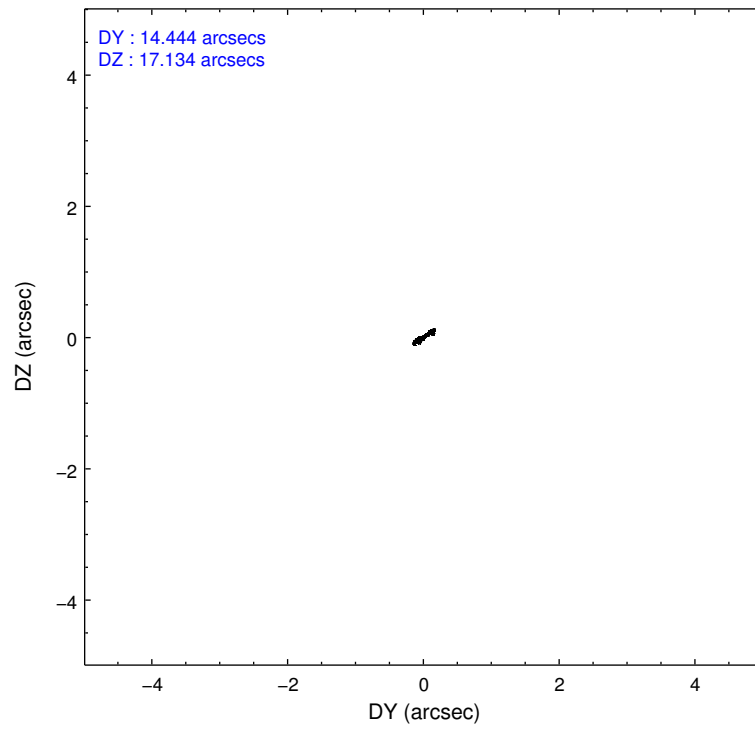
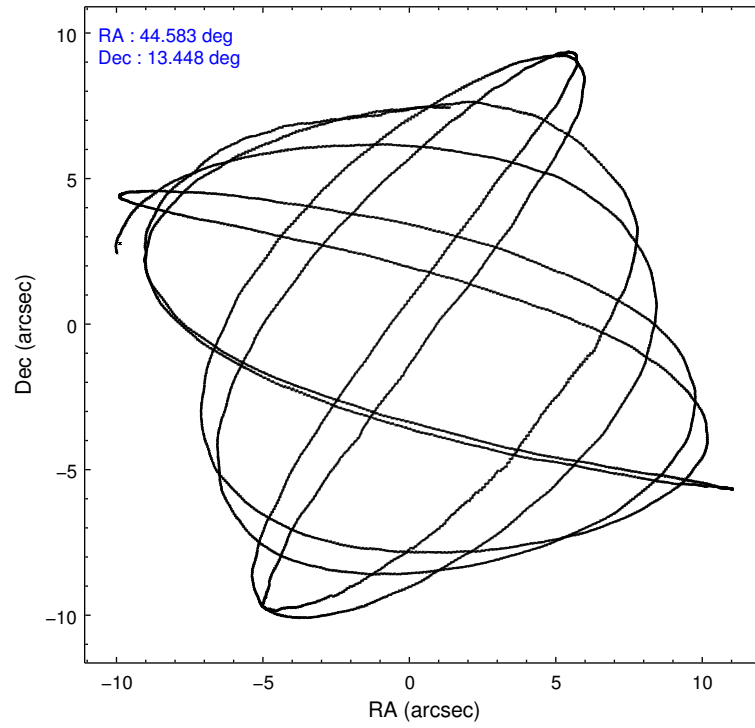
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	44693	40586	45488	44479	42285
rejected events	35724	34243	40751	39704	37685
rejected %	79%	84%	89%	89%	89%

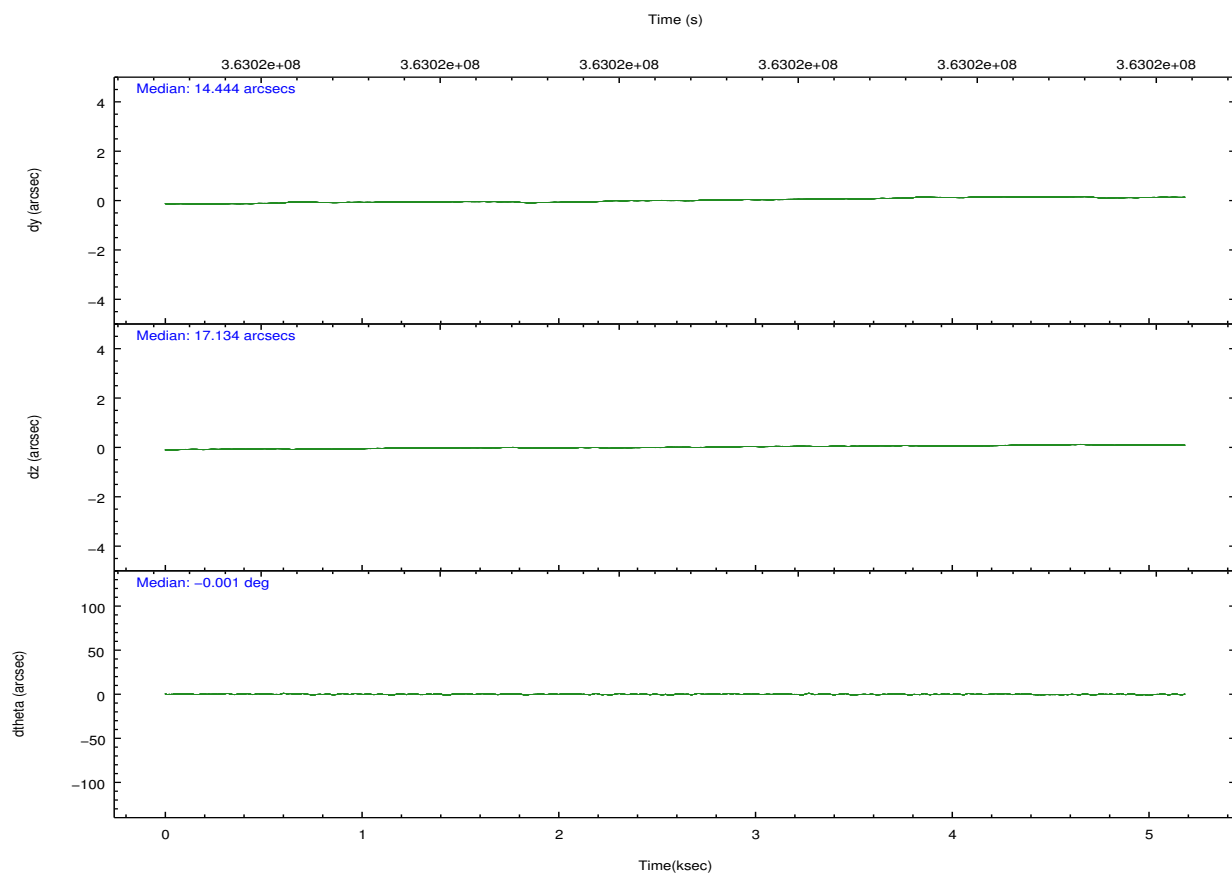
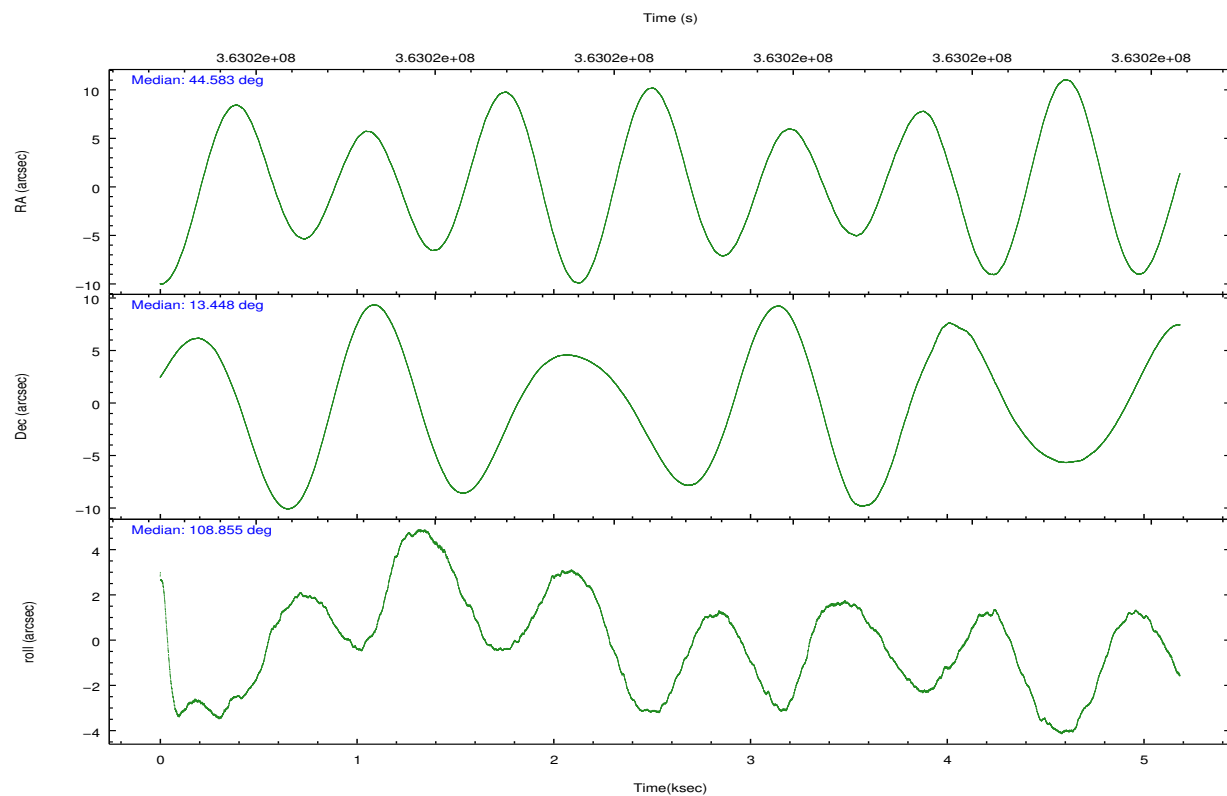
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5108	2924	1927	1945	1643
	11%	7%	4%	4%	3%
grade 1 events	55	39	31	28	21
	0%	0%	0%	0%	0%
grade 2 events	1640	1306	1089	1012	1021
	3%	3%	2%	2%	2%
grade 3 events	619	574	456	494	445
	1%	1%	1%	1%	1%
grade 4 events	590	511	477	479	477
	1%	1%	1%	1%	1%
grade 5 events	1569	1684	1491	1747	1670
	3%	4%	3%	3%	3%
grade 6 events	1019	1030	792	852	1015
	2%	2%	1%	1%	2%
grade 7 events	34093	32518	39225	37922	35993
	76%	80%	86%	85%	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	44.604793	44.58335499647279	CCD I2 on	Y	Y
[deg] Pointing Dec	13.429847	13.44792468265623	CCD I3 on	Y	Y
[deg] Pointing Roll	108.646174	108.8598359768127	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)	363014902.184000	363014526.04871	CCD S5 on	N	N
Observation start date	2009-07-03T13:27:16	2009-07-03T13:22:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	363019902.184000	363020036.44899	On-chip summing requested	N	N
Observation end date	2009-07-03T14:50:36	2009-07-03T14:53:56	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



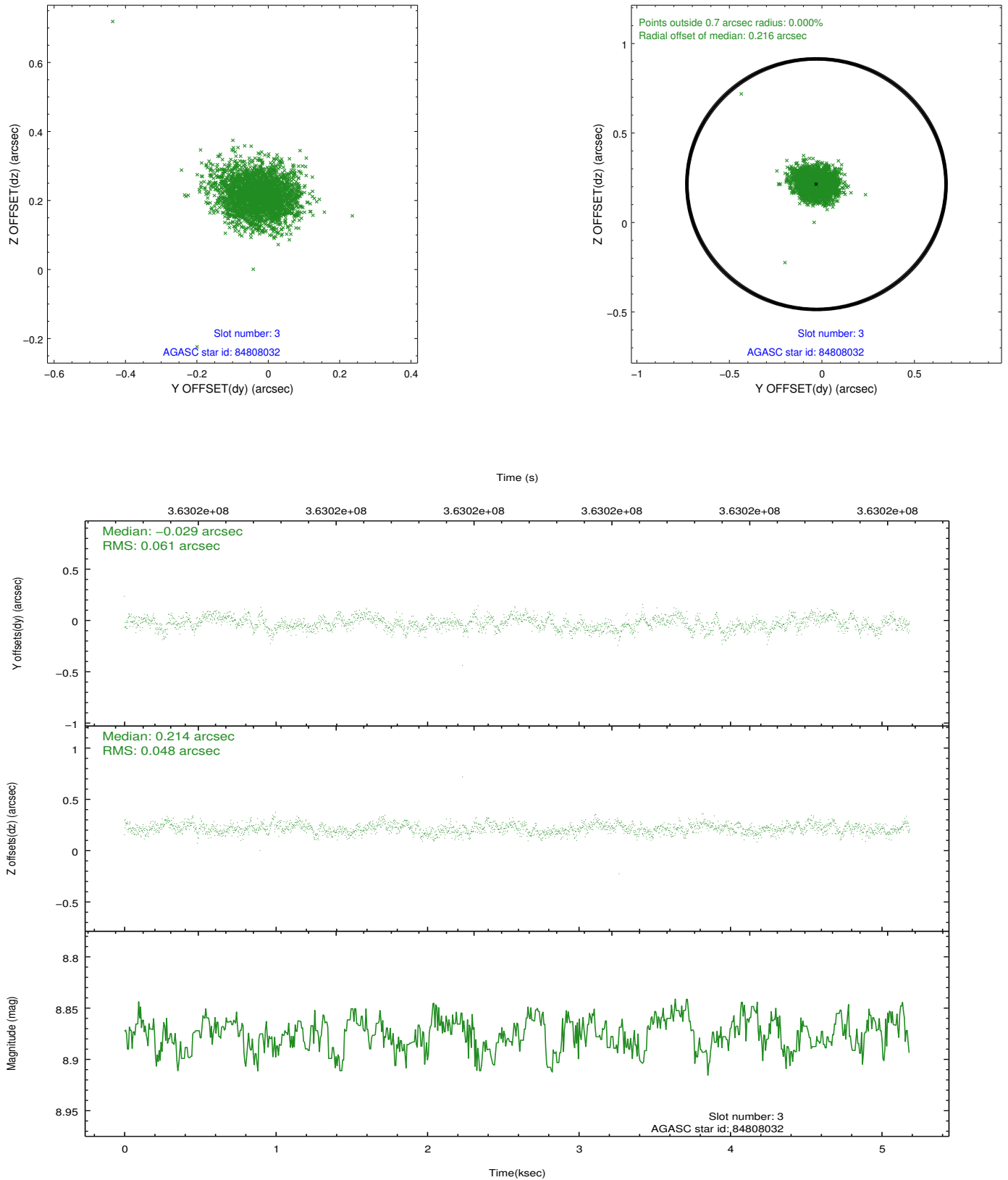


Slot Statistics

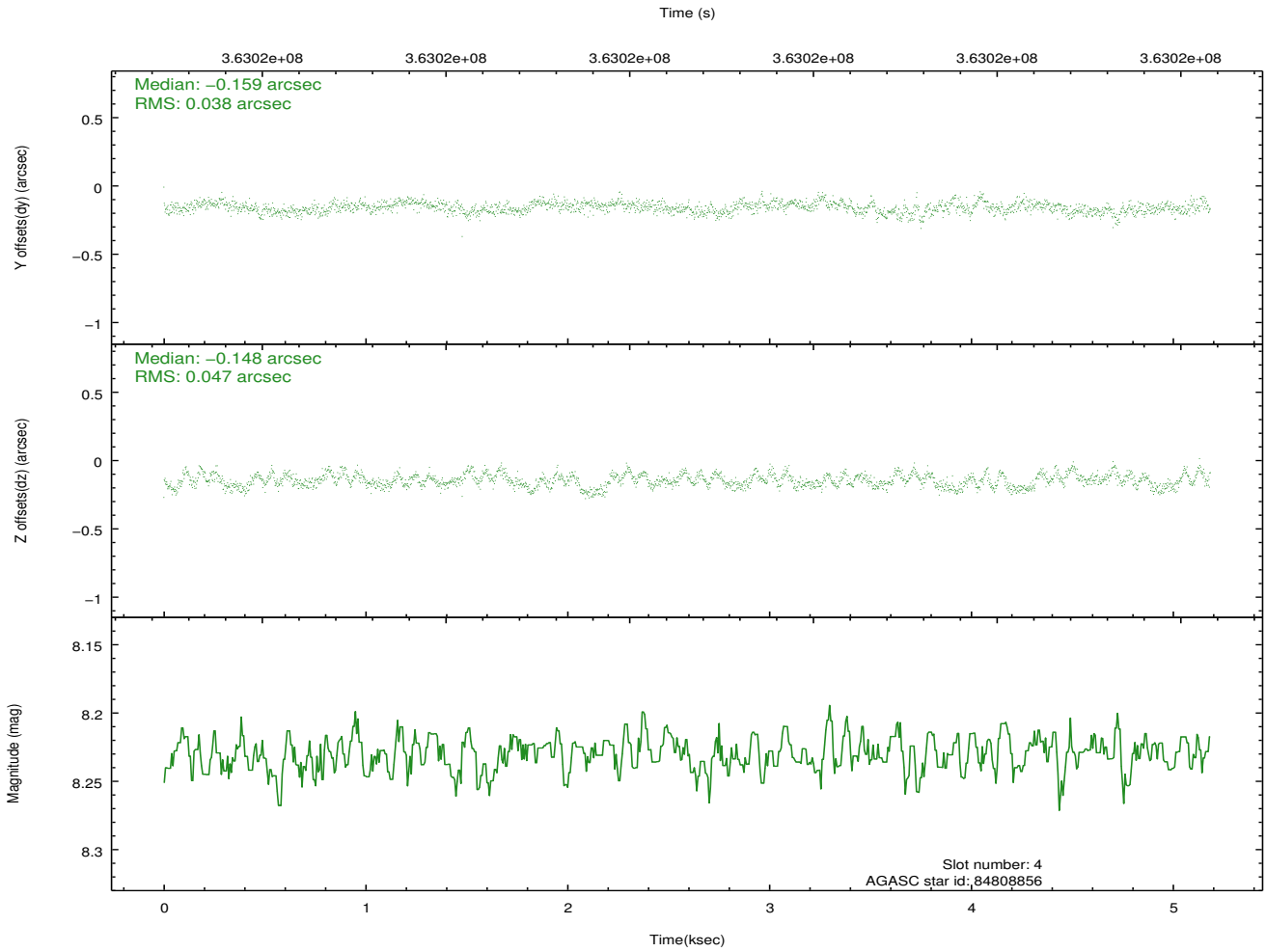
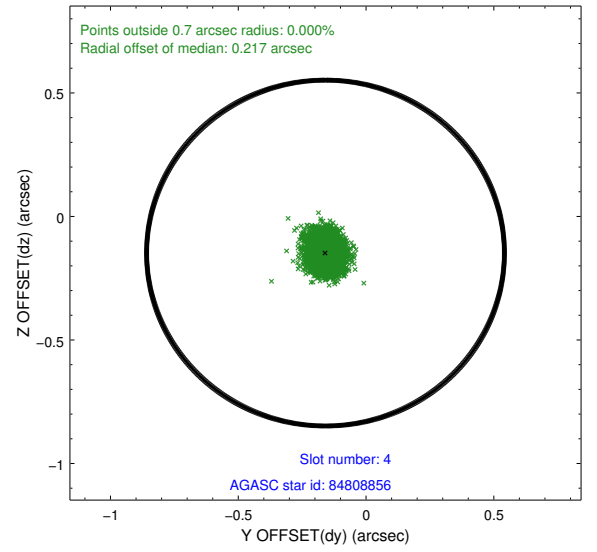
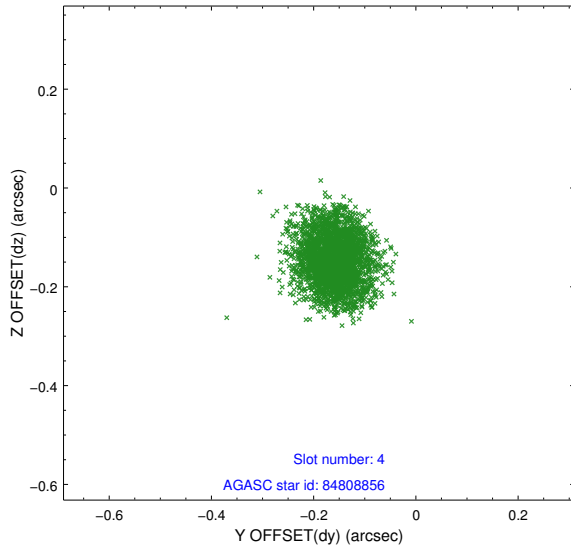
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	1265	0.071	-0.025	0.006	0.010	0.000000	0.000000	925.07	-840.85
1	FID	ACIS-I-5	7.01	1265	-0.219	0.074	0.006	0.010	0.000000	0.000000	-1822.65	1056.21
2	FID	ACIS-I-6	7.01	1265	0.057	0.021	0.007	0.012	0.000000	0.000000	389.38	1701.94
3	GUIDE	84808032	8.88	2530	-0.029	0.214	0.081	0.129	44.912435	14.042740	1747.61	-1723.31
4	GUIDE	84808856	8.23	2530	-0.159	-0.148	0.065	0.104	44.040495	13.677607	1478.64	1583.45
5	GUIDE	84809112	8.98	2529	-0.155	-0.068	0.072	0.114	44.049948	13.913016	2269.88	1281.91
6	GUIDE	84803744	8.42	2529	0.118	-0.349	0.081	0.129	44.040470	12.972900	-923.16	2400.92
7	GUIDE	84809856	8.14	2528	0.225	0.356	0.062	0.101	45.191960	12.984820	-2174.65	-1439.47

2.4 Star Slots

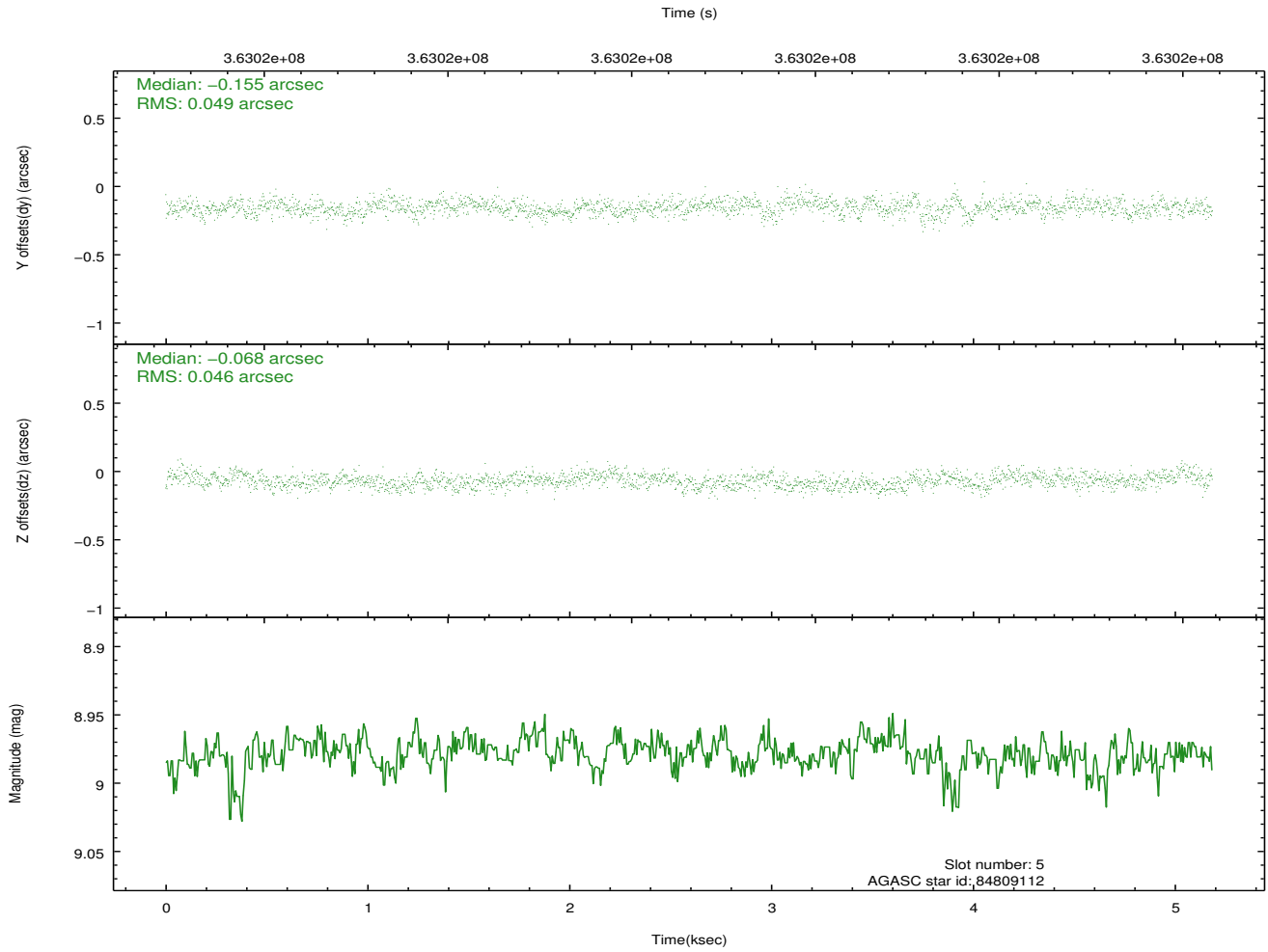
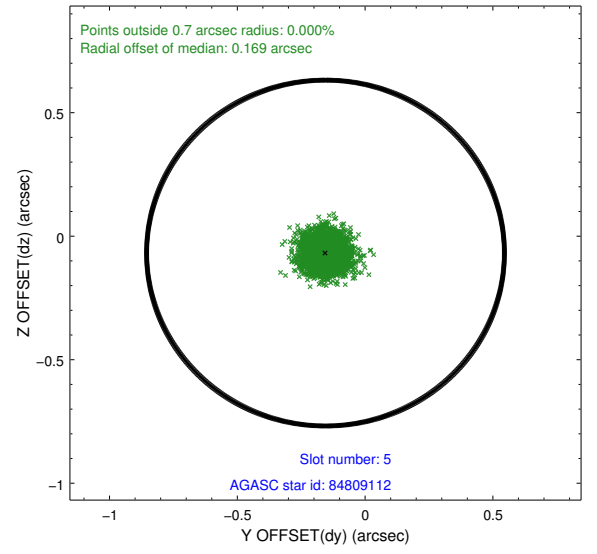
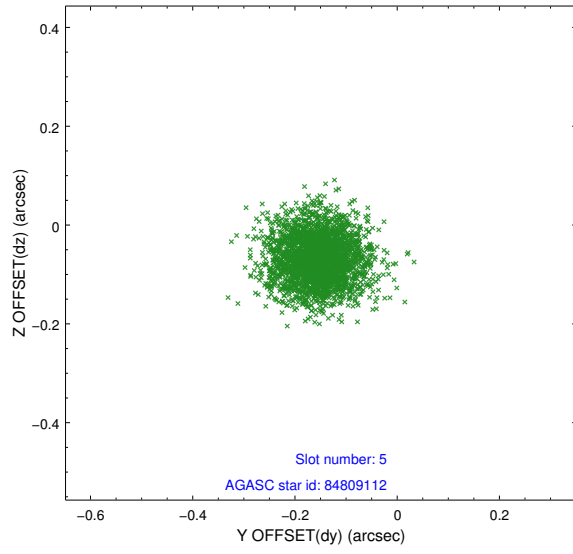
2.4.1 Slot 3



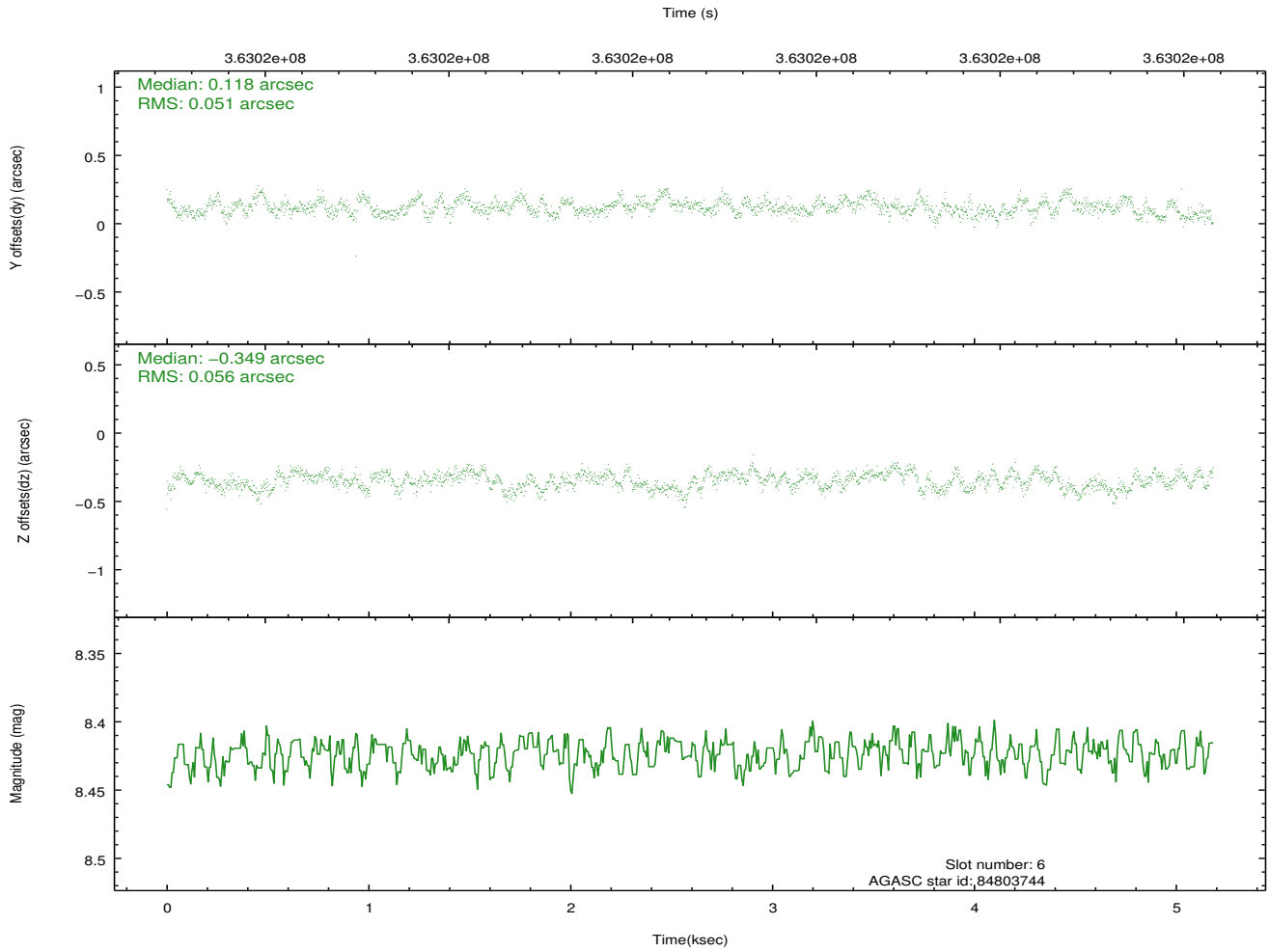
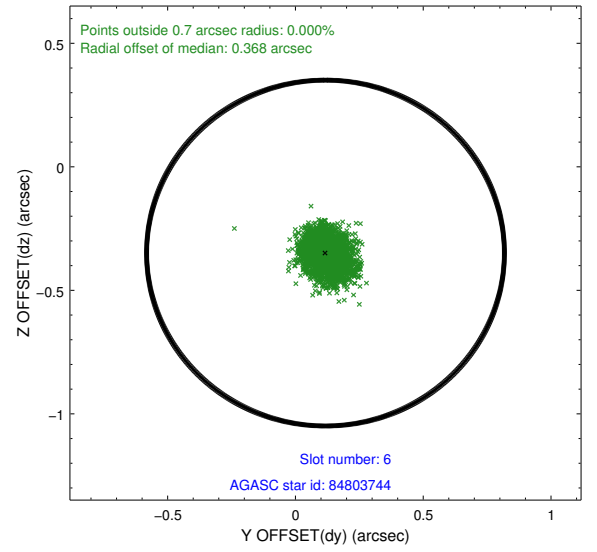
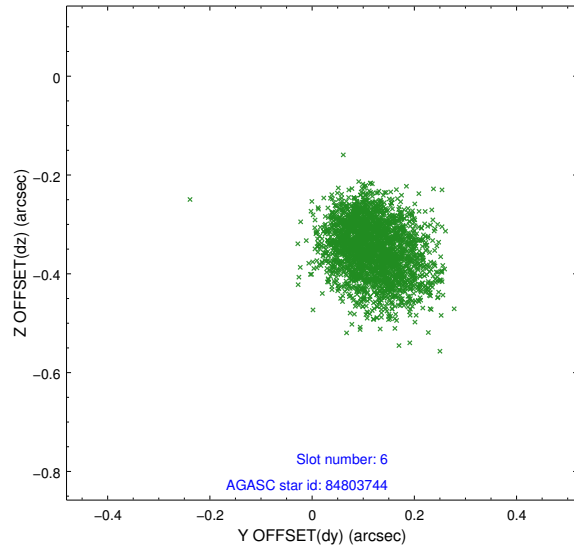
2.4.2 Slot 4



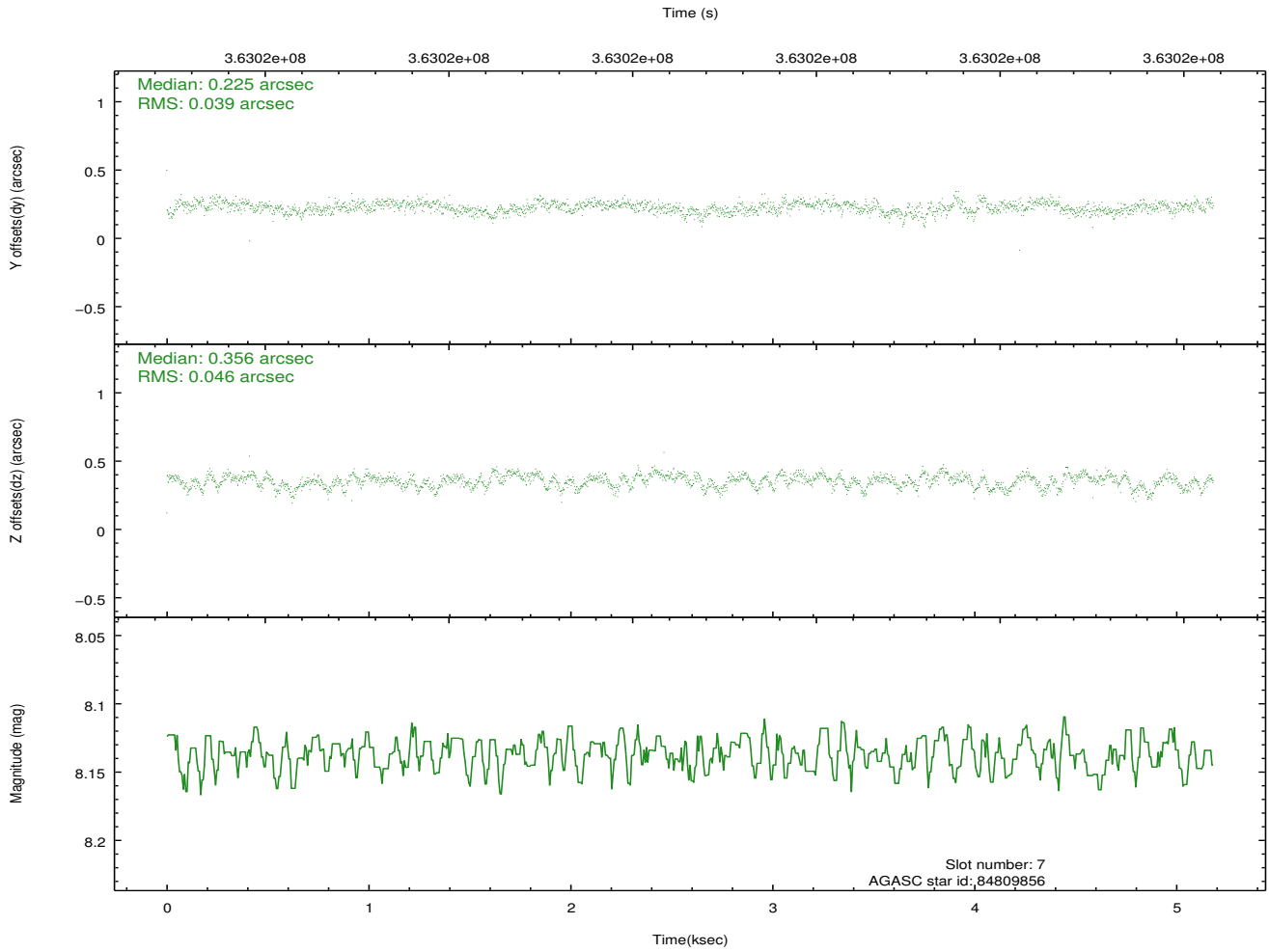
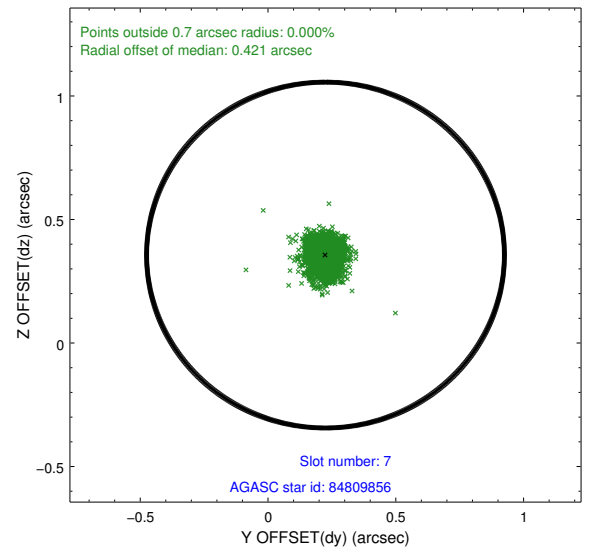
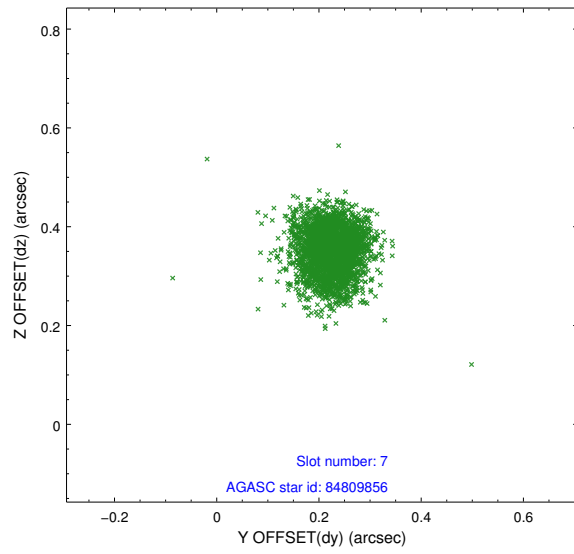
2.4.3 Slot 5



2.4.4 Slot 6

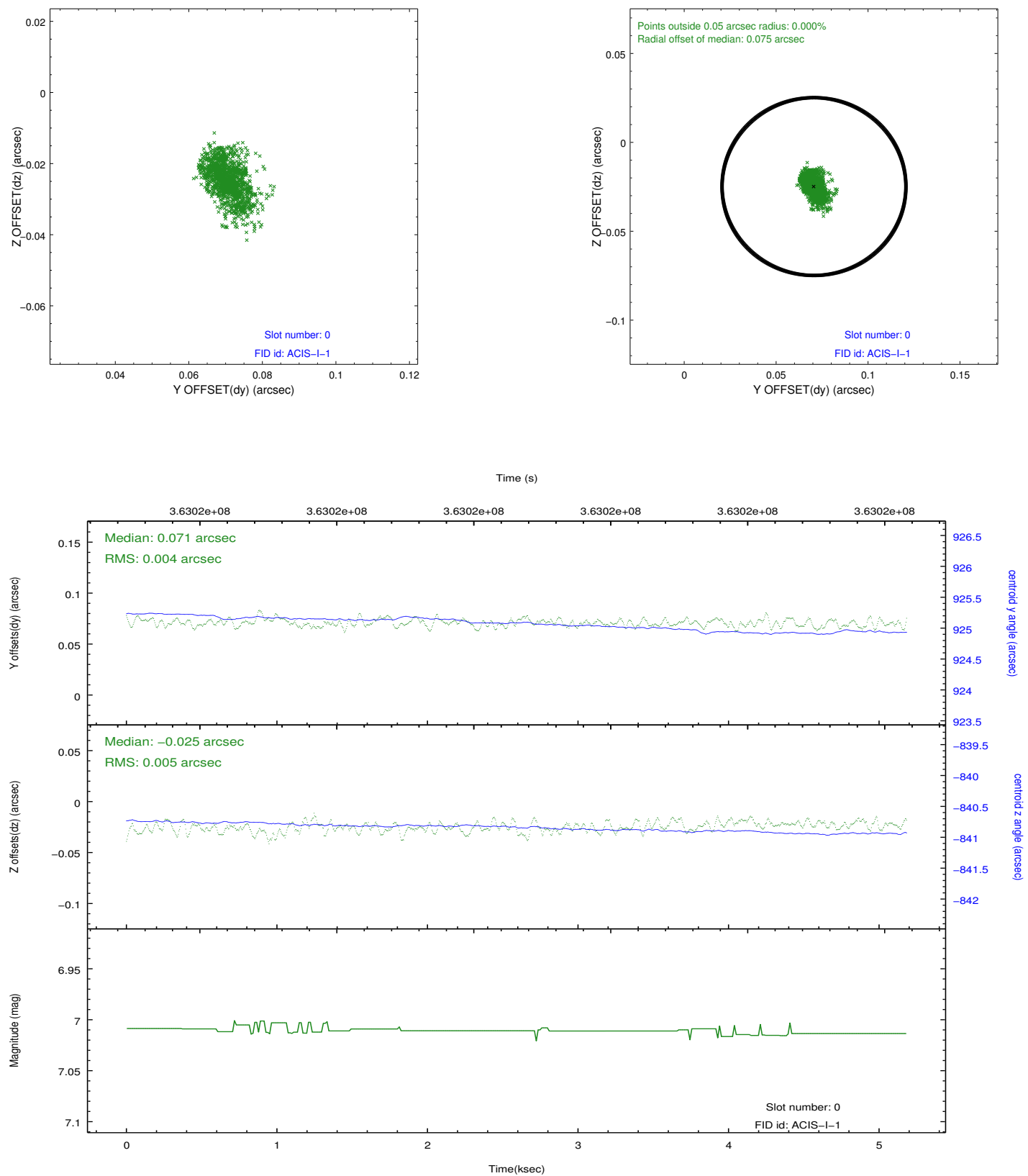


2.4.5 Slot 7

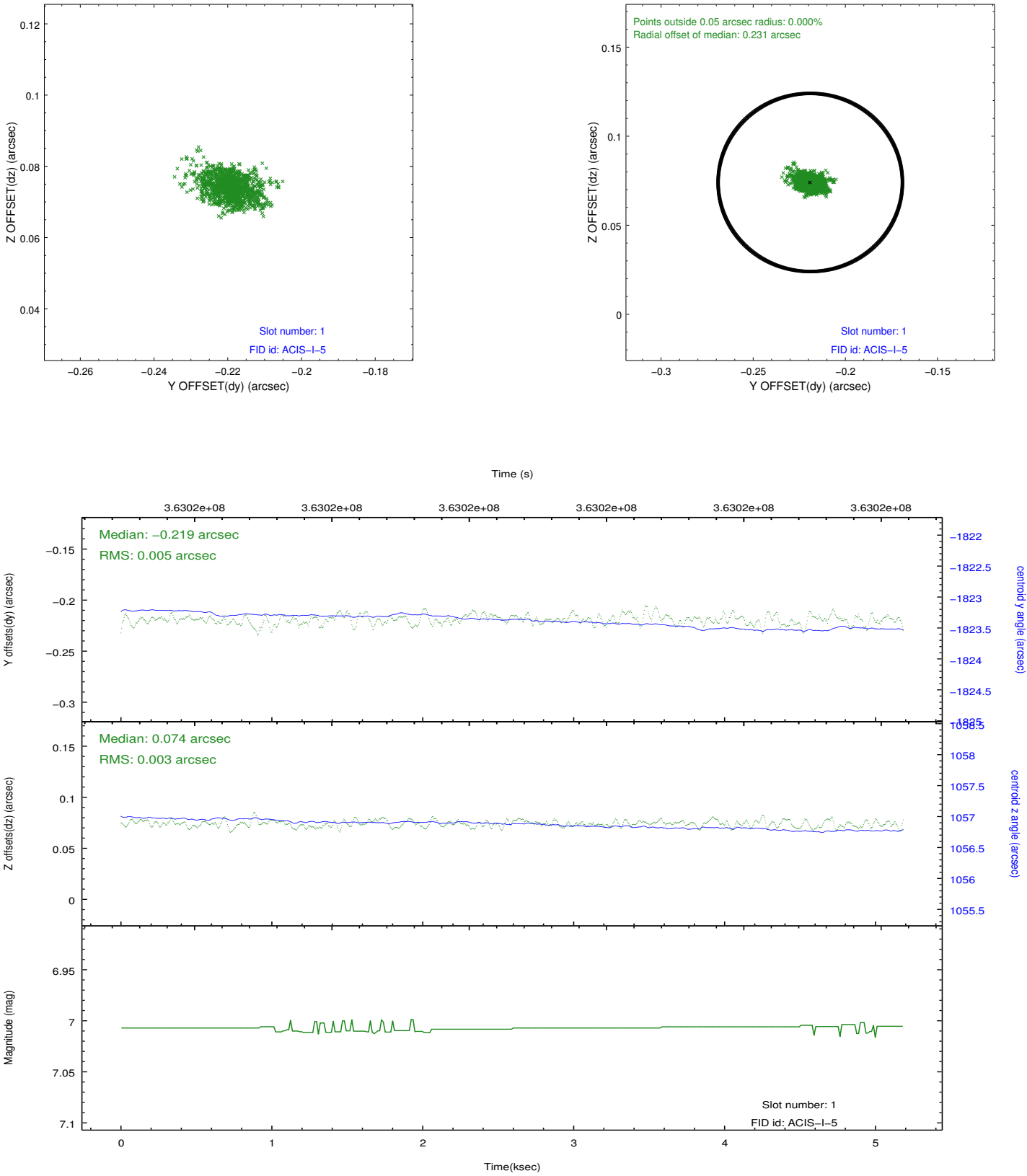


2.5 FID Slots

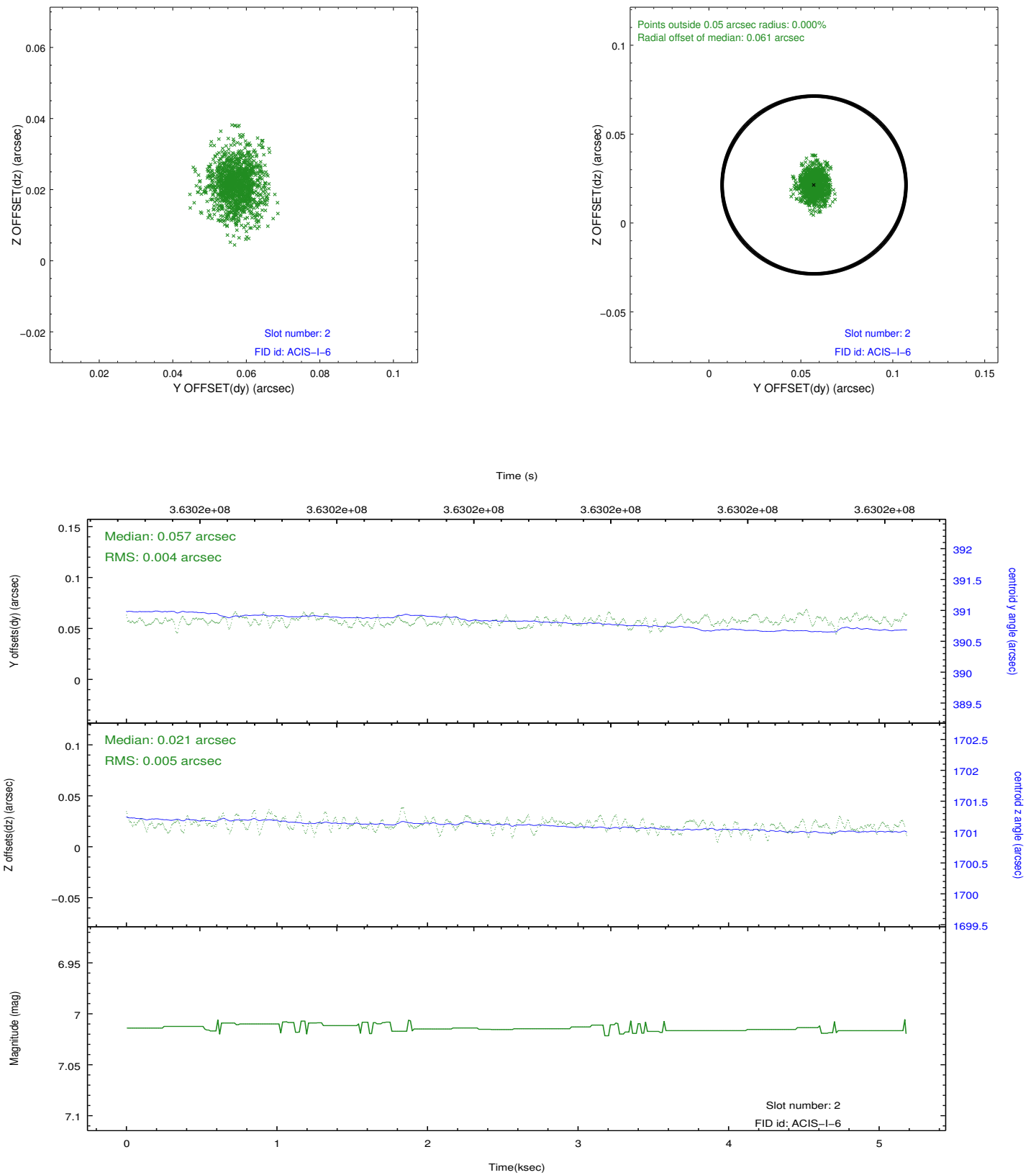
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.77710003

A.2 Comments

Monitor constraint met.