

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11379 - L2 Version 2
Chandra X-Ray Center

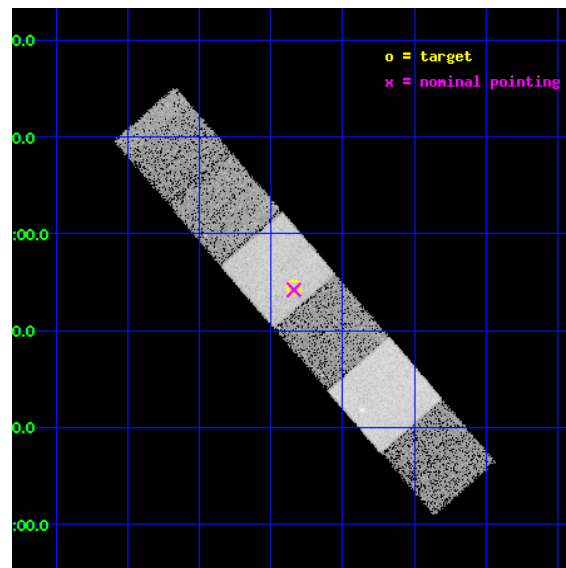
L2 Processing Date : Jun 28 2012

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1 Front

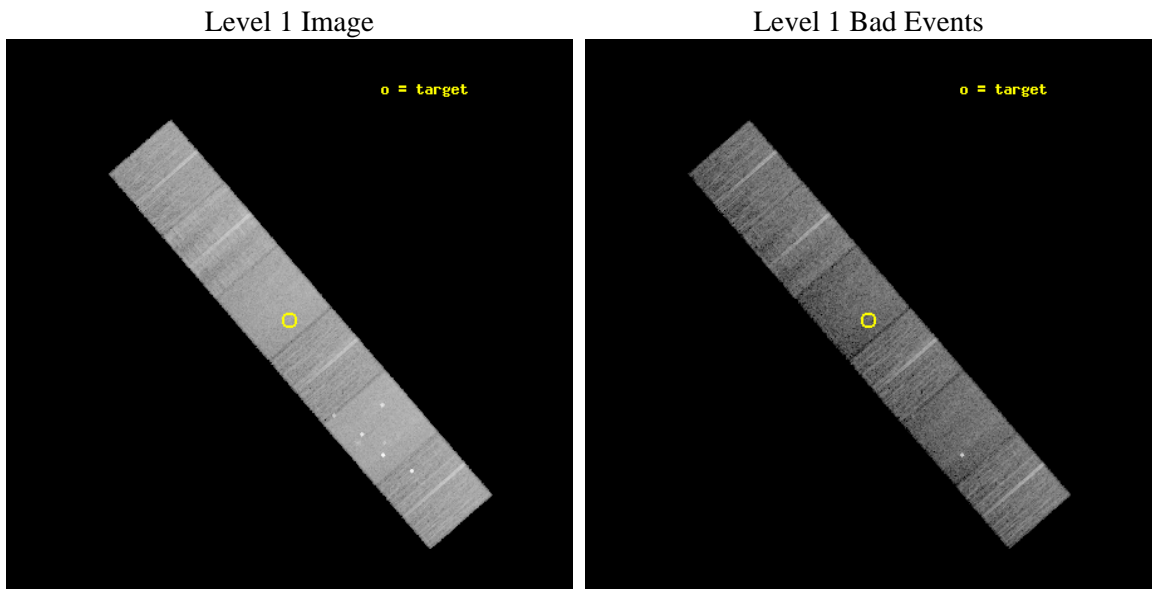
seq_num	600898	Sequence number
obs_id	11379	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC1209872	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	226.461	Observer's specified target RA [deg]
dec_targ	1.90836	Observer's specified target Dec [deg]
ra_nom	226.46018403759	Nominal RA [deg]
dec_nom	1.9035632954787	Nominal Dec [deg]
roll_nom	229.06584767452	Nominal Roll [deg]
revision	2	Processing version of data
ontime	11247.999958158	Sum of GTIs [s]
livetime	11105.571009955	Livetime [s]
ontime4	11244.758957982	Sum of GTIs [s]
ontime5	11247.999958158	Sum of GTIs [s]
ontime6	11247.999958158	Sum of GTIs [s]
ontime7	11247.999958158	Sum of GTIs [s]
ontime8	11247.999958158	Sum of GTIs [s]
ontime9	11247.999958158	Sum of GTIs [s]
l2events	140236	Number of level 2 events



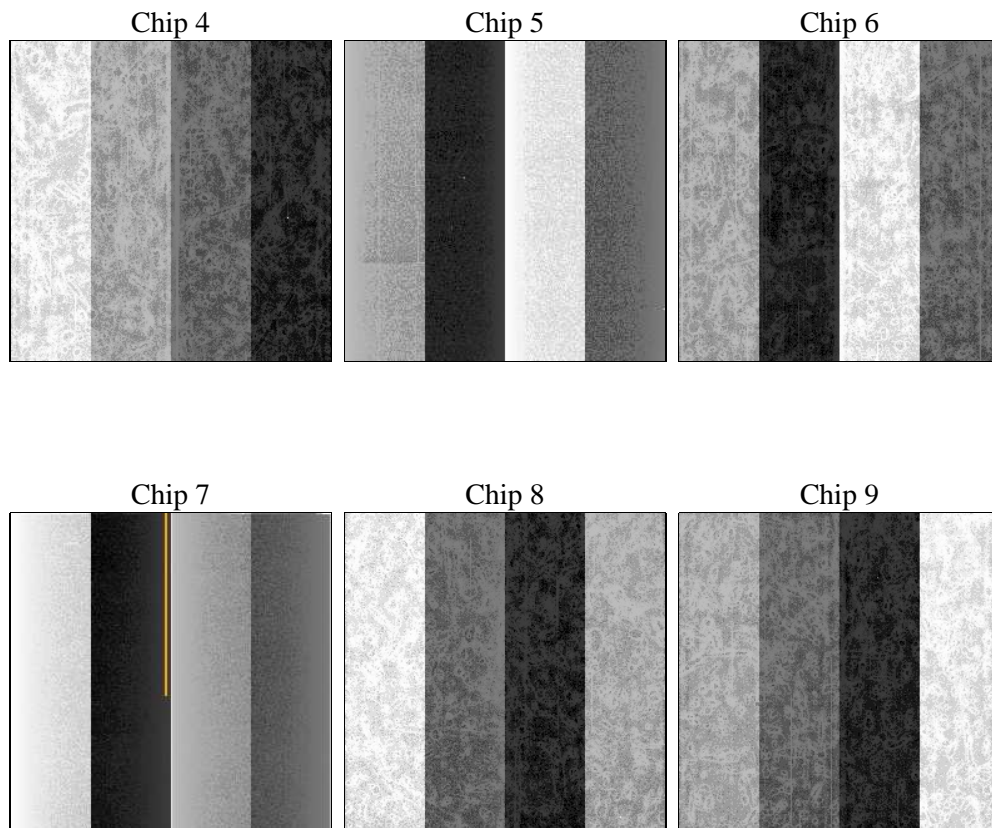
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11200.650000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11247.999958158	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	11244.758957982	Sum of GTIs [s]
date	2012-06-28T04:23:30	Date and time of file creation	ontime5	11247.999958158	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	11247.999958158	Sum of GTIs [s]
			ontime7	11247.999958158	Sum of GTIs [s]
			ontime8	11247.999958158	Sum of GTIs [s]
			ontime9	11247.999958158	Sum of GTIs [s]
			l1events	619204	Number of level 1 events

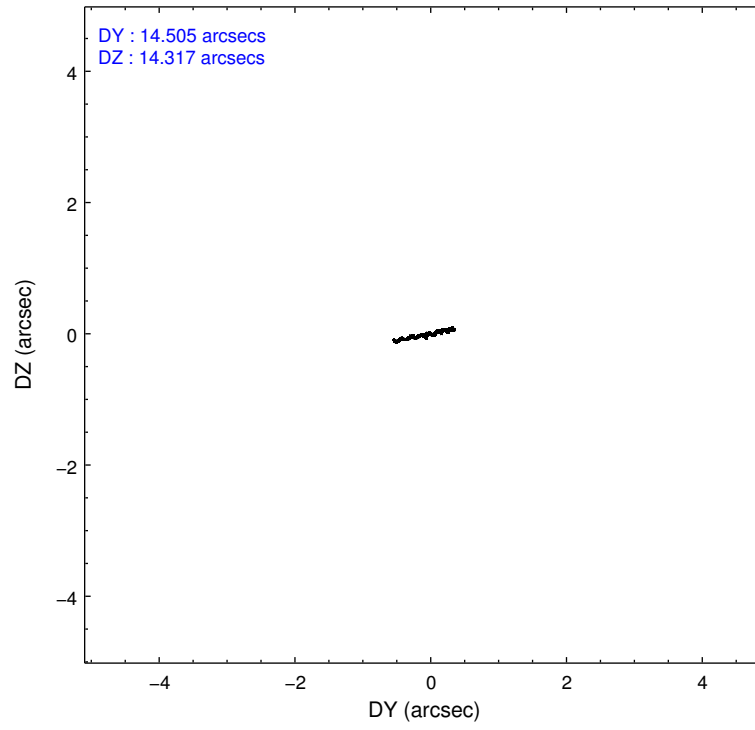
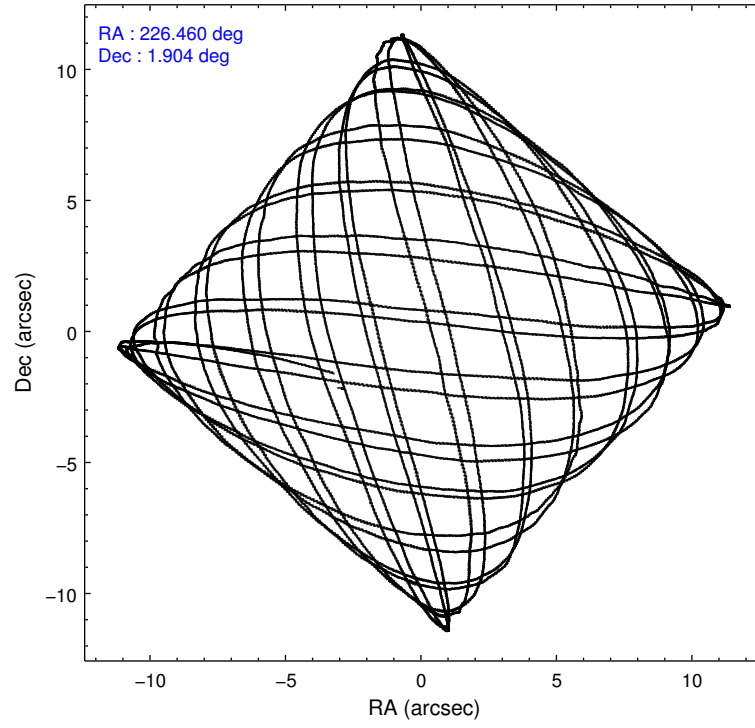
2.1.4 Events

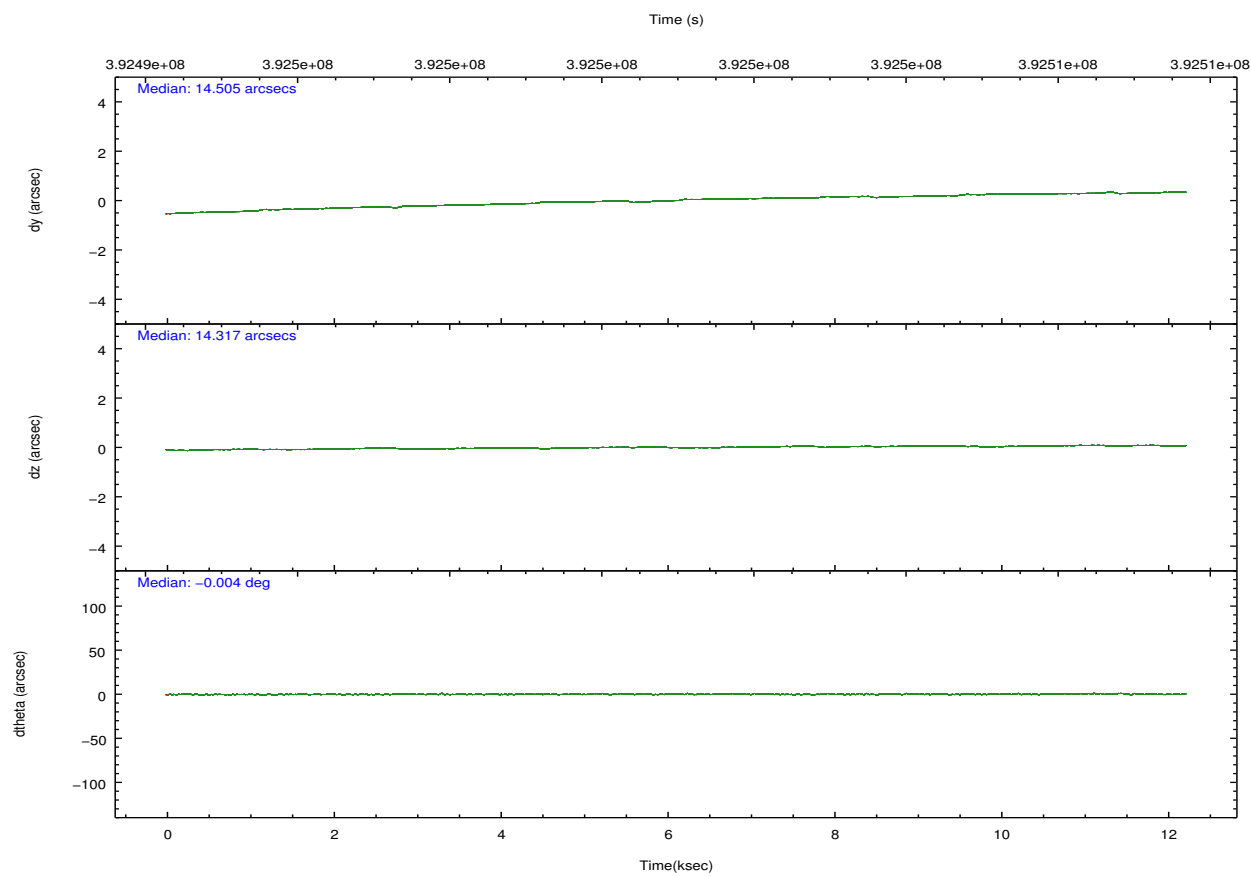
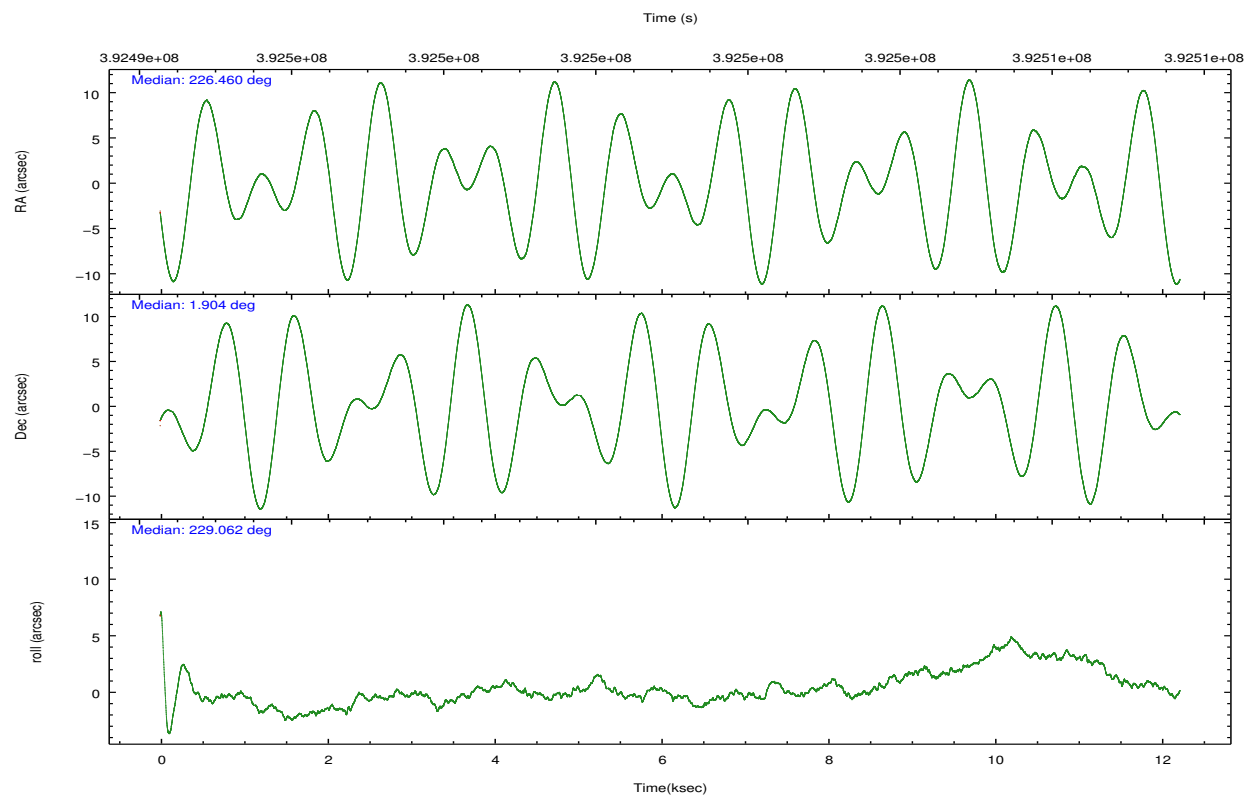
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	100556	132015	86188	103307	111747	85391	grade 0 events	6568	8595	3680	4491	8409	3826
rejected events	87812	65180	76303	56417	82853	75017		6%	6%	4%	4%	7%	4%
rejected %	87%	49%	88%	54%	74%	87%	grade 1 events	104	305	51	119	97	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	2367	20349	2230	9643	6836	2218
								2%	15%	2%	9%	6%	2%
							grade 3 events	1075	2552	982	4155	2882	1062
								1%	1%	1%	4%	2%	1%
							grade 4 events	1021	2384	951	4100	2732	1037
								1%	1%	1%	3%	2%	1%
							grade 5 events	3651	9833	3723	10748	5415	4175
								3%	7%	4%	10%	4%	4%
							grade 6 events	1719	32978	2043	24516	8037	2233
								1%	24%	2%	23%	7%	2%
							grade 7 events	84051	55019	72528	45535	77339	70771
								83%	41%	84%	44%	69%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	226.465035	226.4601840375858	CCD I2 on	N	N
[deg] Pointing Dec	1.930491	1.903563295478693	CCD I3 on	N	N
[deg] Pointing Roll	228.909044	229.065847674516	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	392495886.184000	392494463.87494	CCD S5 on	O2	Y
Observation start date	2010-06-09T18:37:00	2010-06-09T18:14:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	392507086.184000	392507312.2506	On-chip summing requested	N	N
Observation end date	2010-06-09T21:43:40	2010-06-09T21:48:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



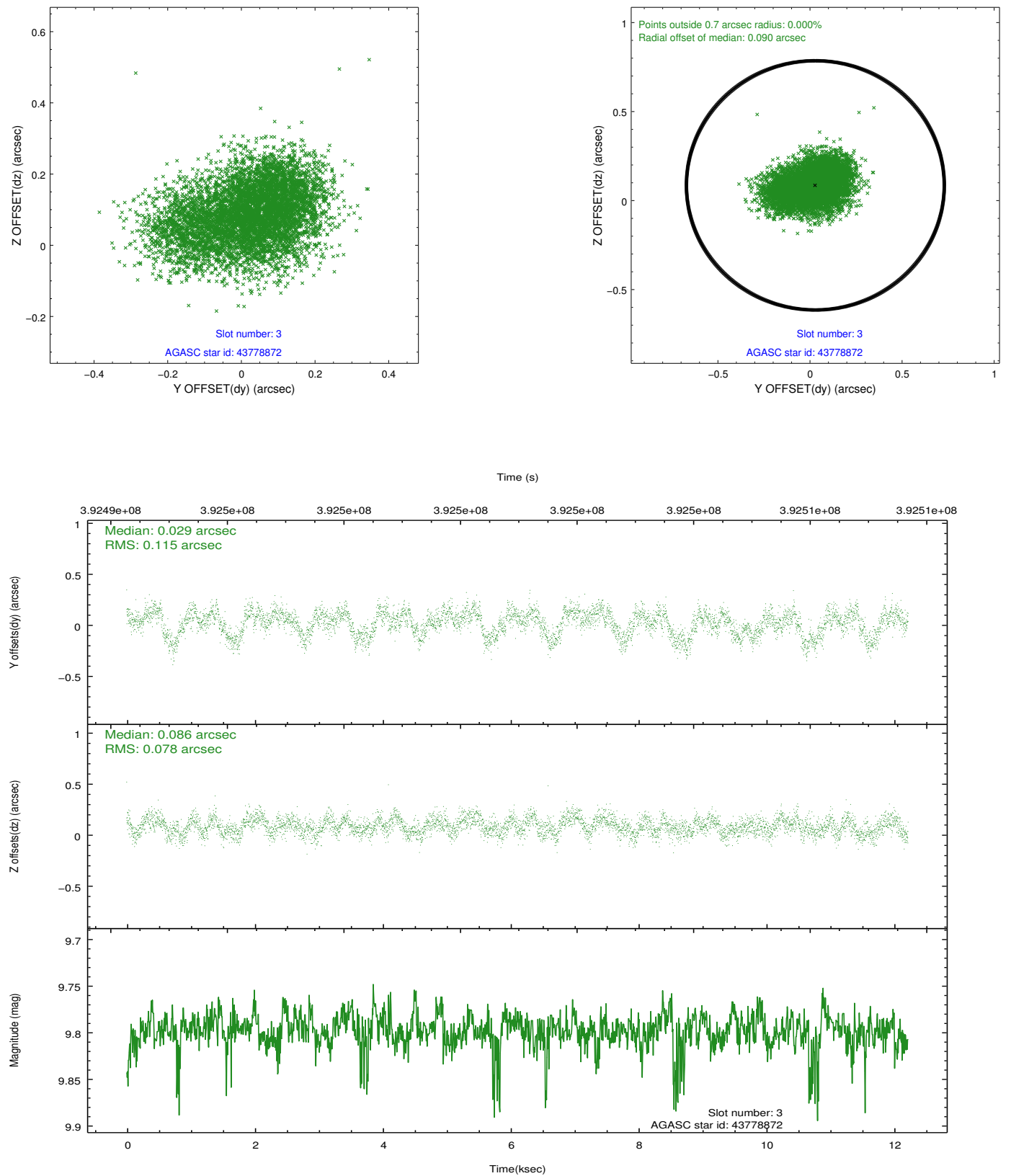


Slot Statistics

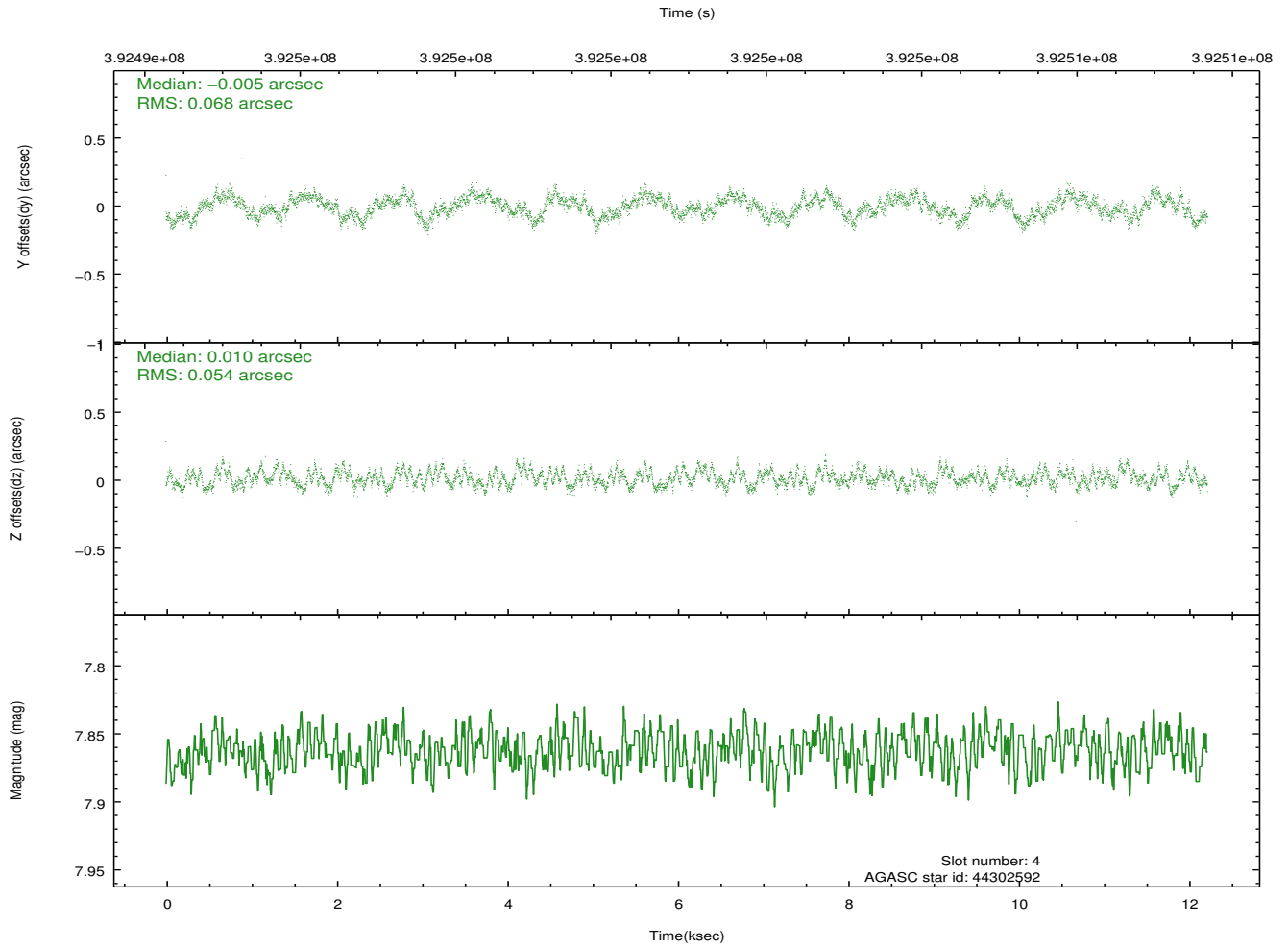
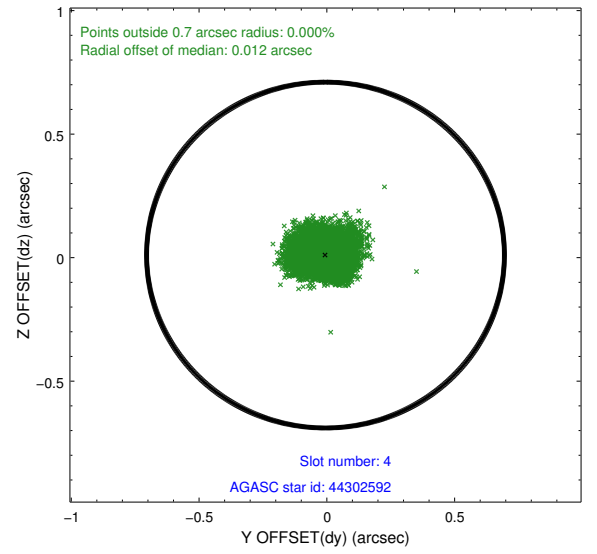
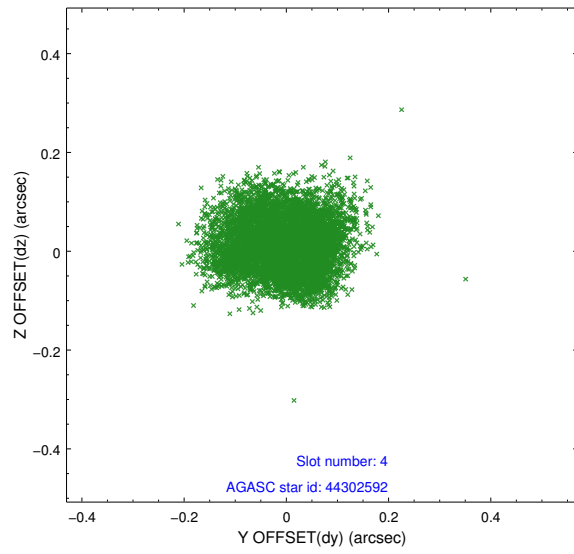
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2982	-0.082	-0.062	0.013	0.020	0.000000	0.000000	-767.52	-1735.68
1	FID	ACIS-S-4	6.99	2982	0.225	0.056	0.009	0.018	0.000000	0.000000	2145.88	172.49
2	FID	ACIS-S-5	7.02	2982	-0.180	0.018	0.013	0.023	0.000000	0.000000	-1819.94	166.59
3	GUIDE	43778872	9.80	5958	0.029	0.086	0.148	0.242	226.449433	1.210901	1989.87	1660.91
4	GUIDE	44302592	7.86	5957	-0.005	0.010	0.093	0.143	226.320439	2.016885	108.73	-596.23
5	GUIDE	44304360	9.71	5954	0.011	-0.128	0.172	0.266	226.007705	2.107161	602.72	-1657.94
6	GUIDE	44305256	9.13	5956	-0.002	0.004	0.092	0.147	226.603465	2.661871	-2310.74	-1355.61
7	GUIDE	44305696	8.94	5958	-0.011	0.020	0.078	0.123	226.640736	2.617122	-2277.84	-1148.78

2.4 Star Slots

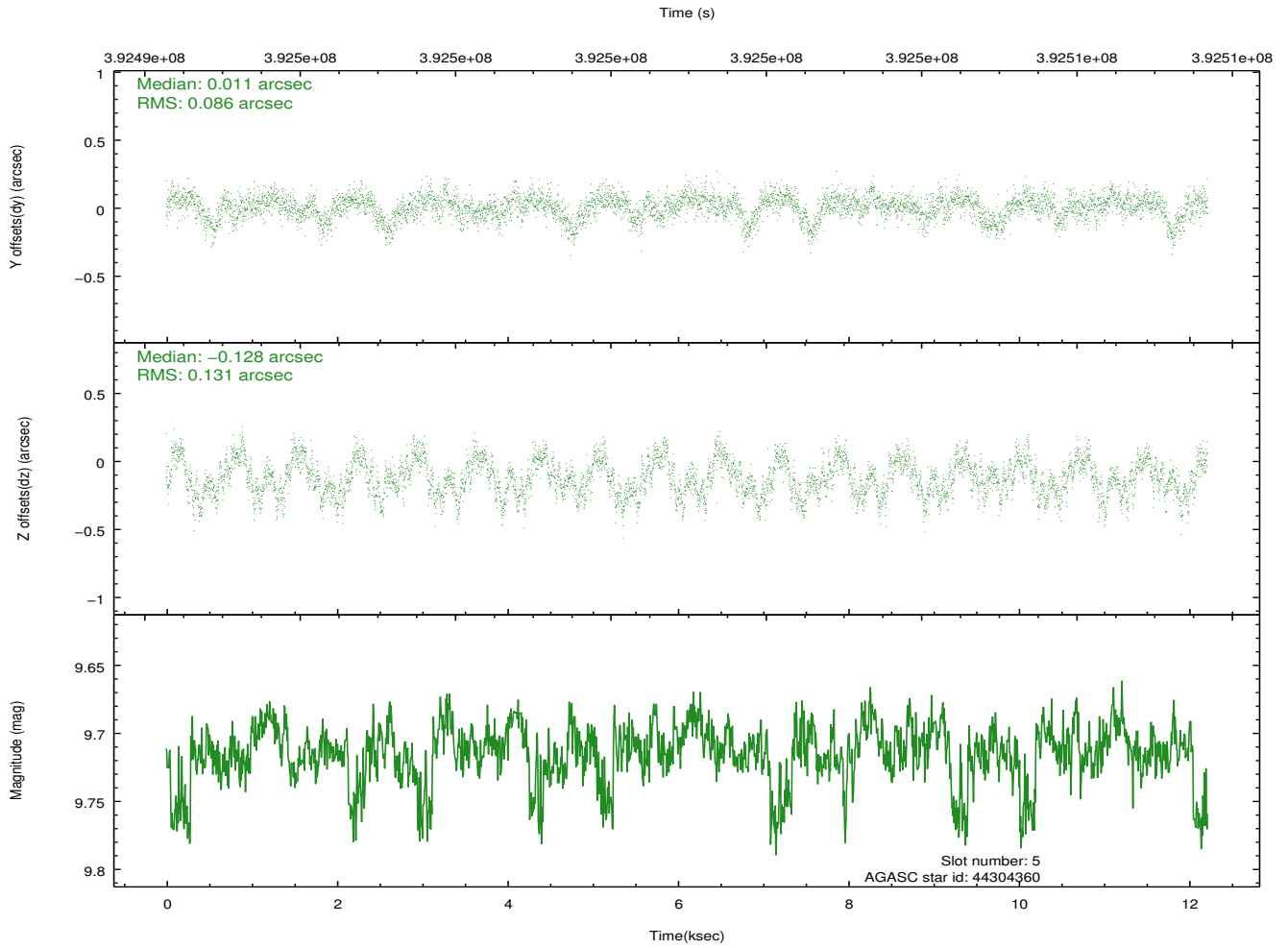
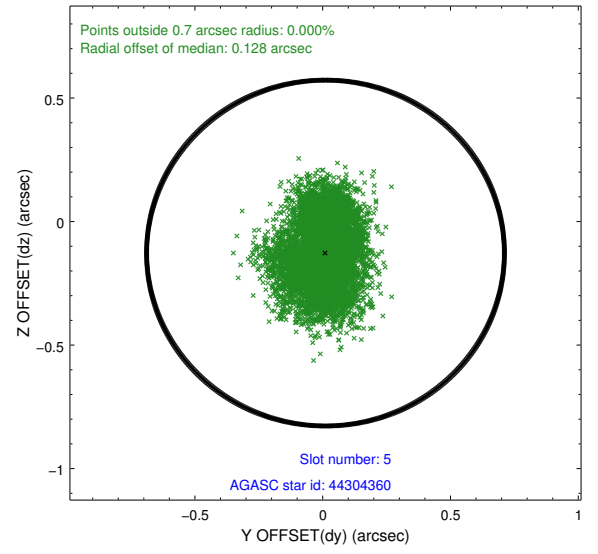
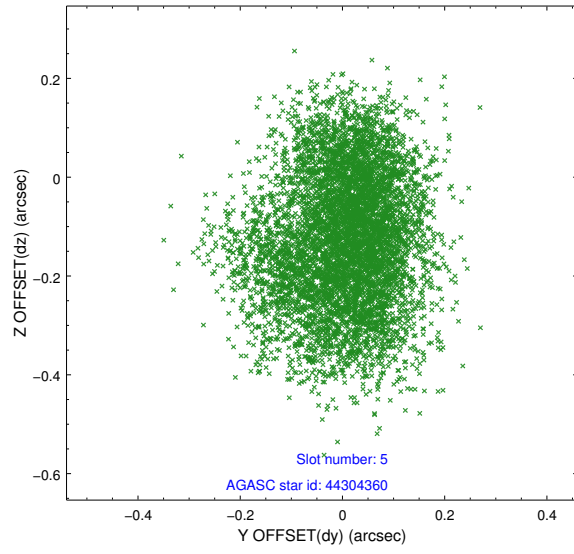
2.4.1 Slot 3



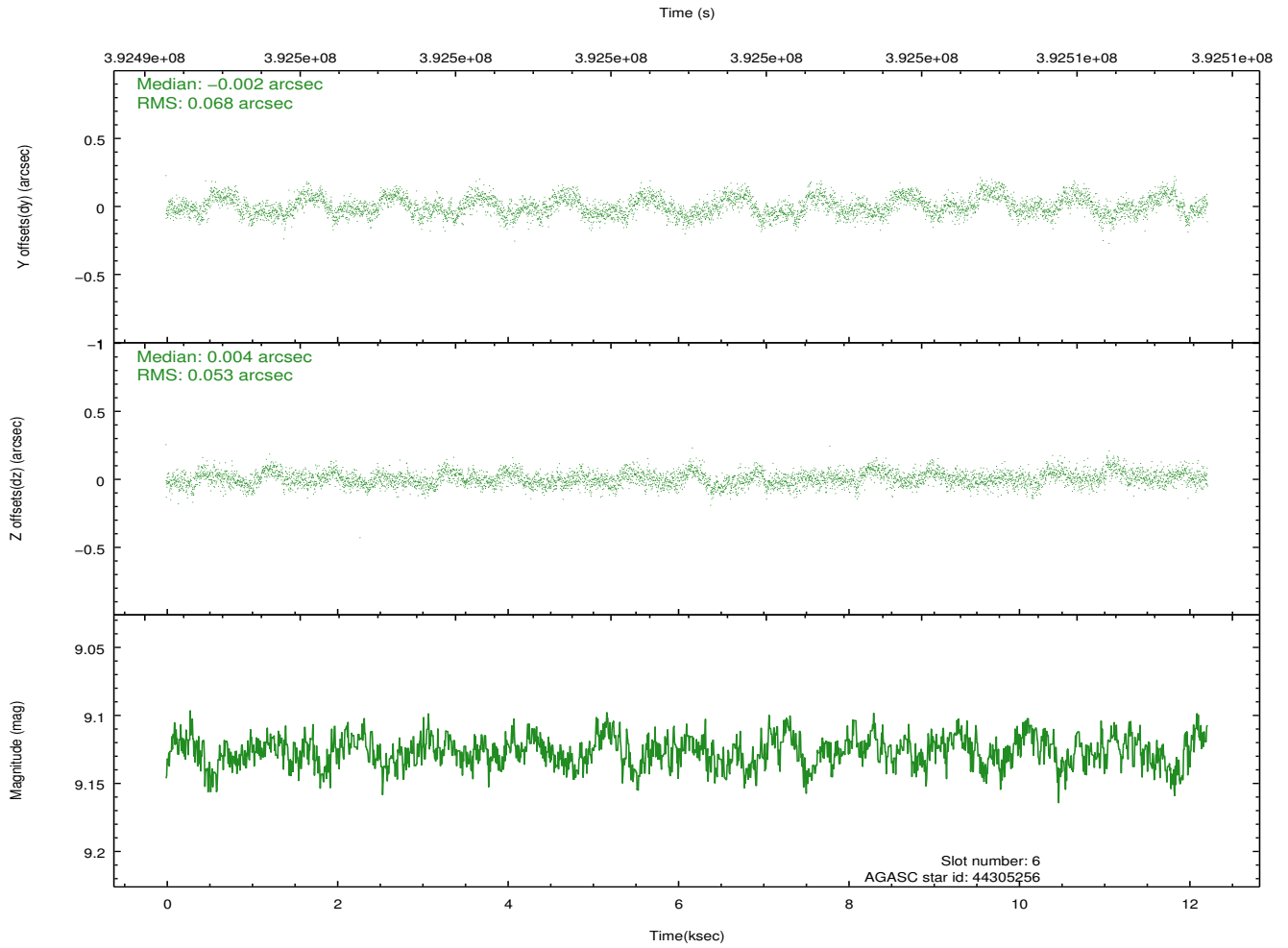
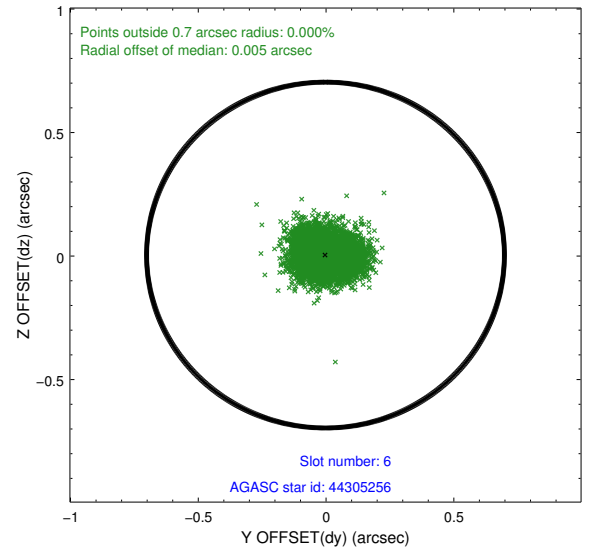
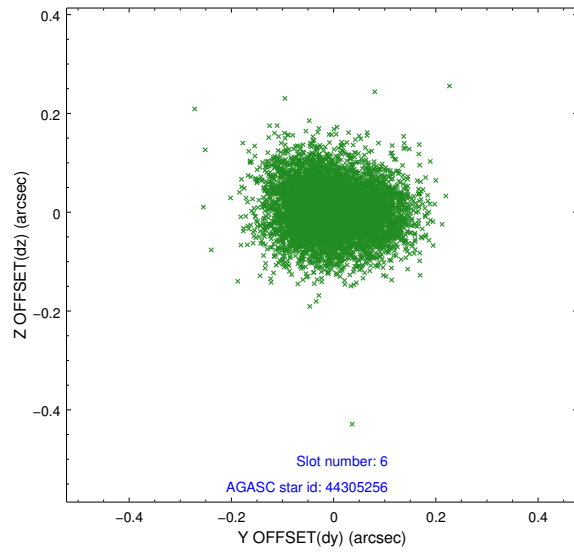
2.4.2 Slot 4



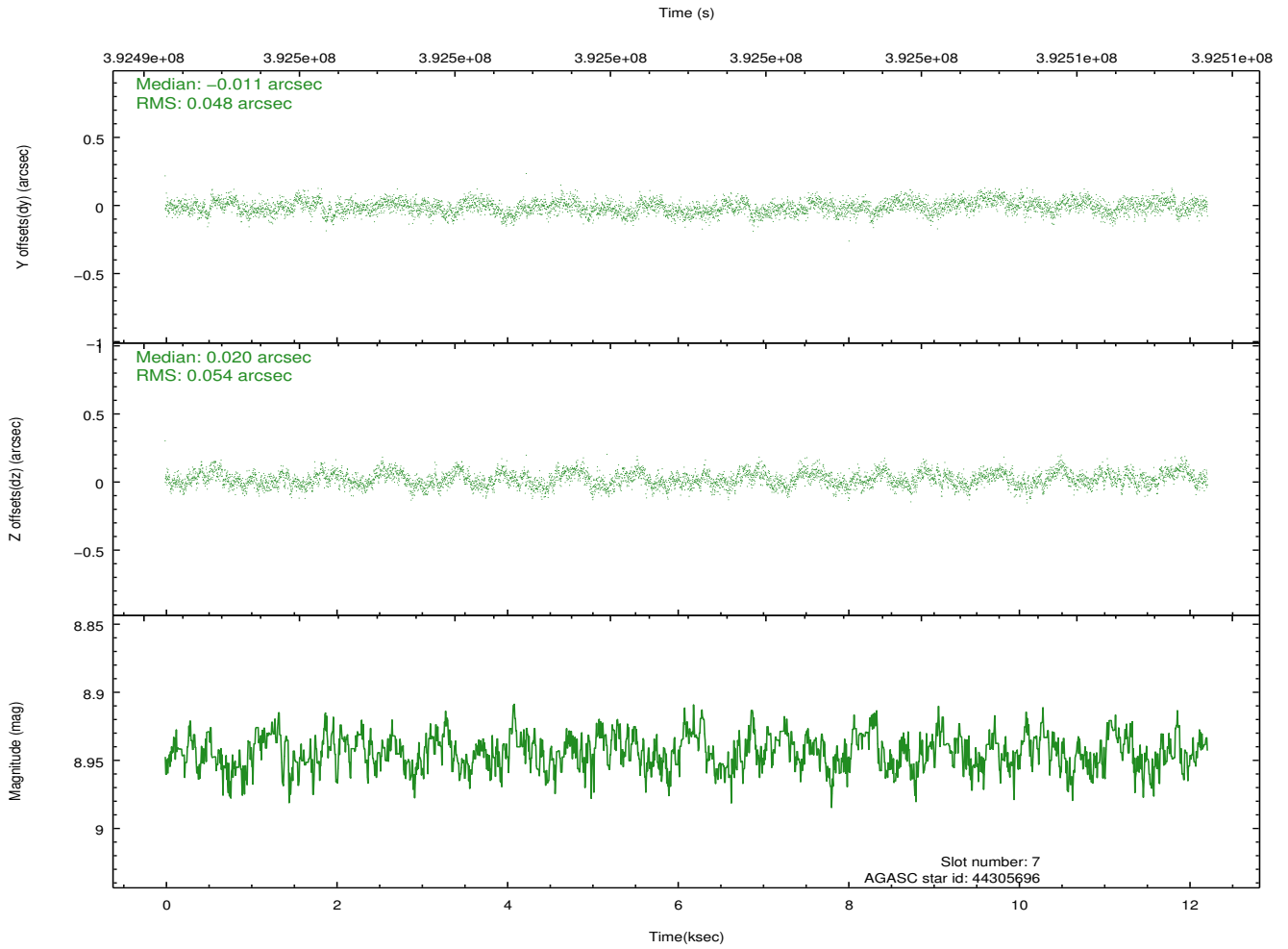
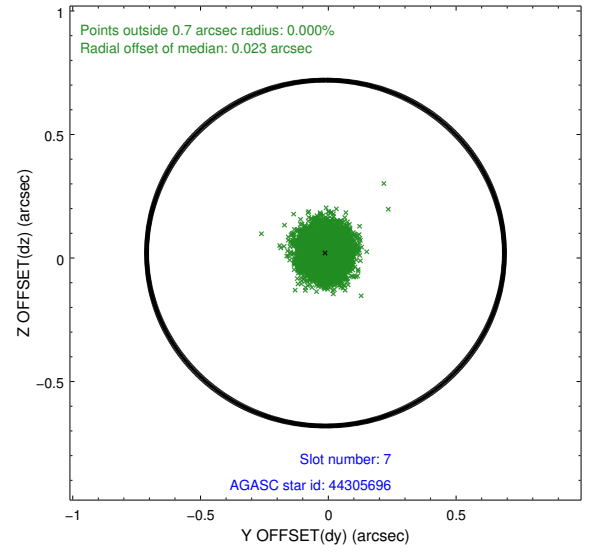
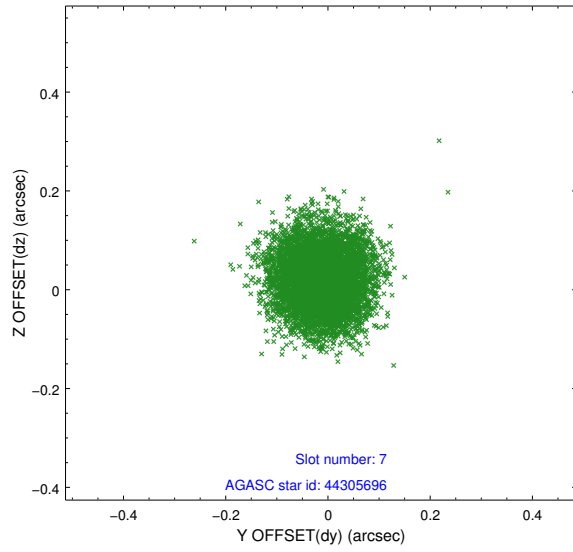
2.4.3 Slot 5



2.4.4 Slot 6

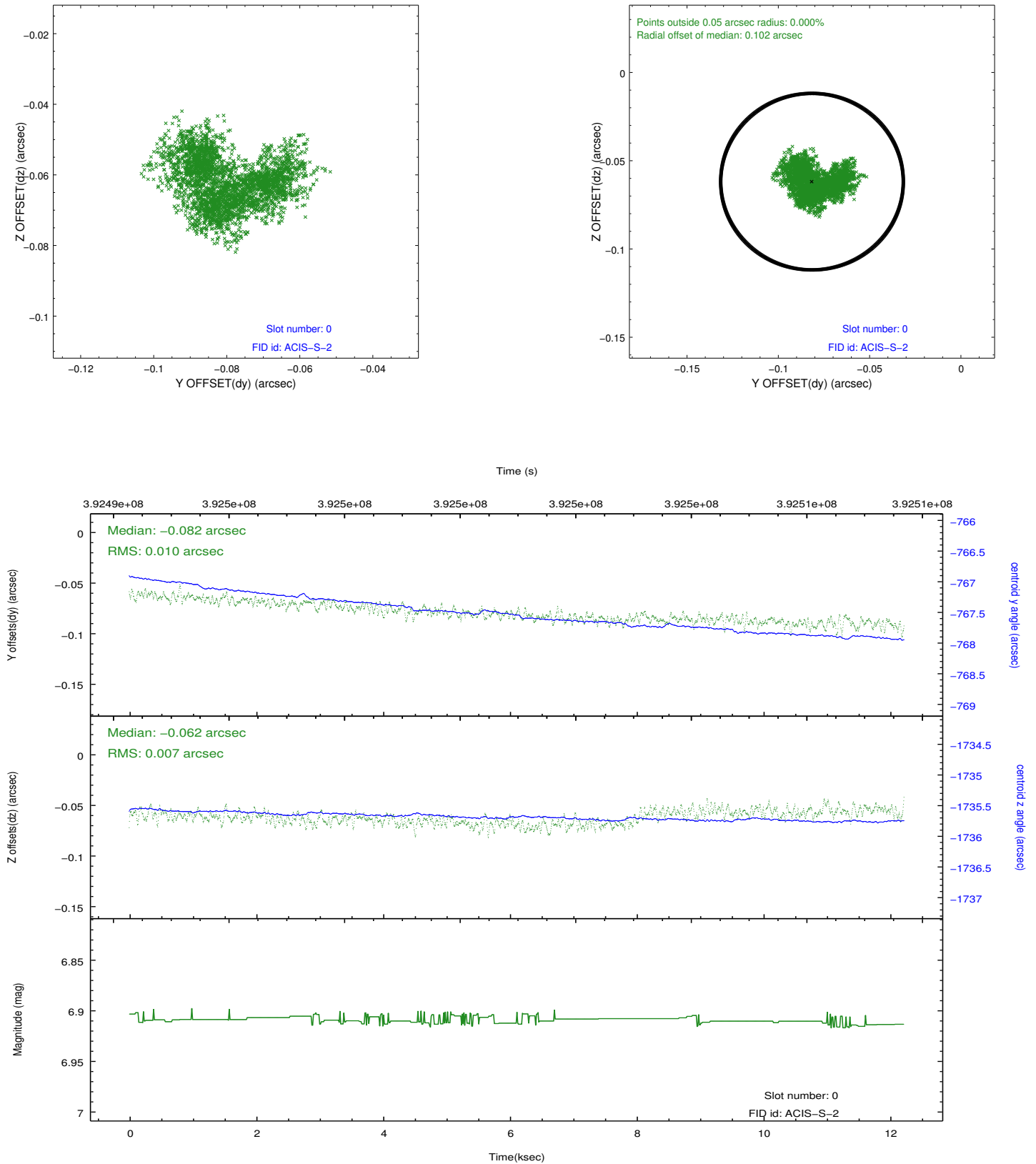


2.4.5 Slot 7

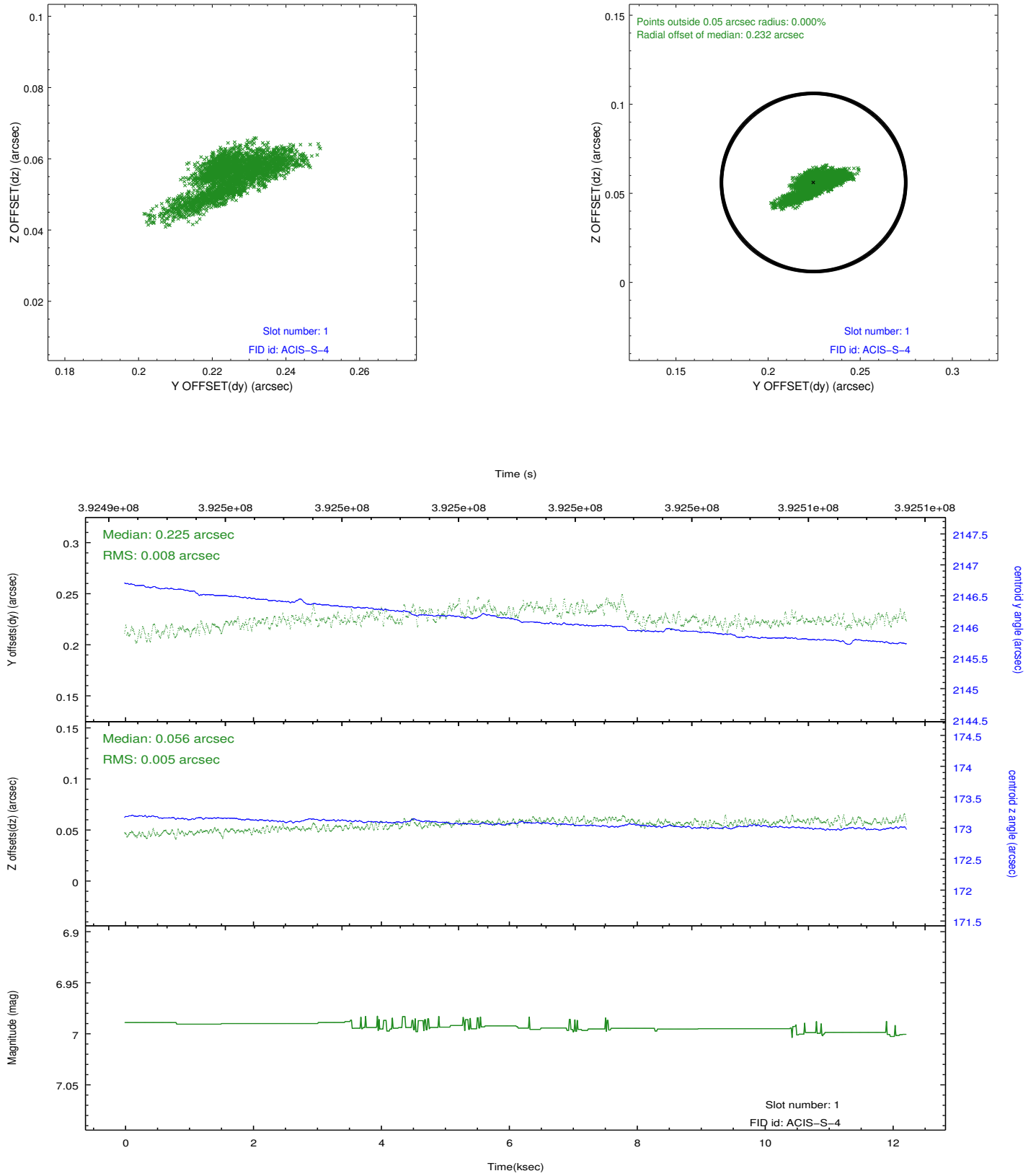


2.5 FID Slots

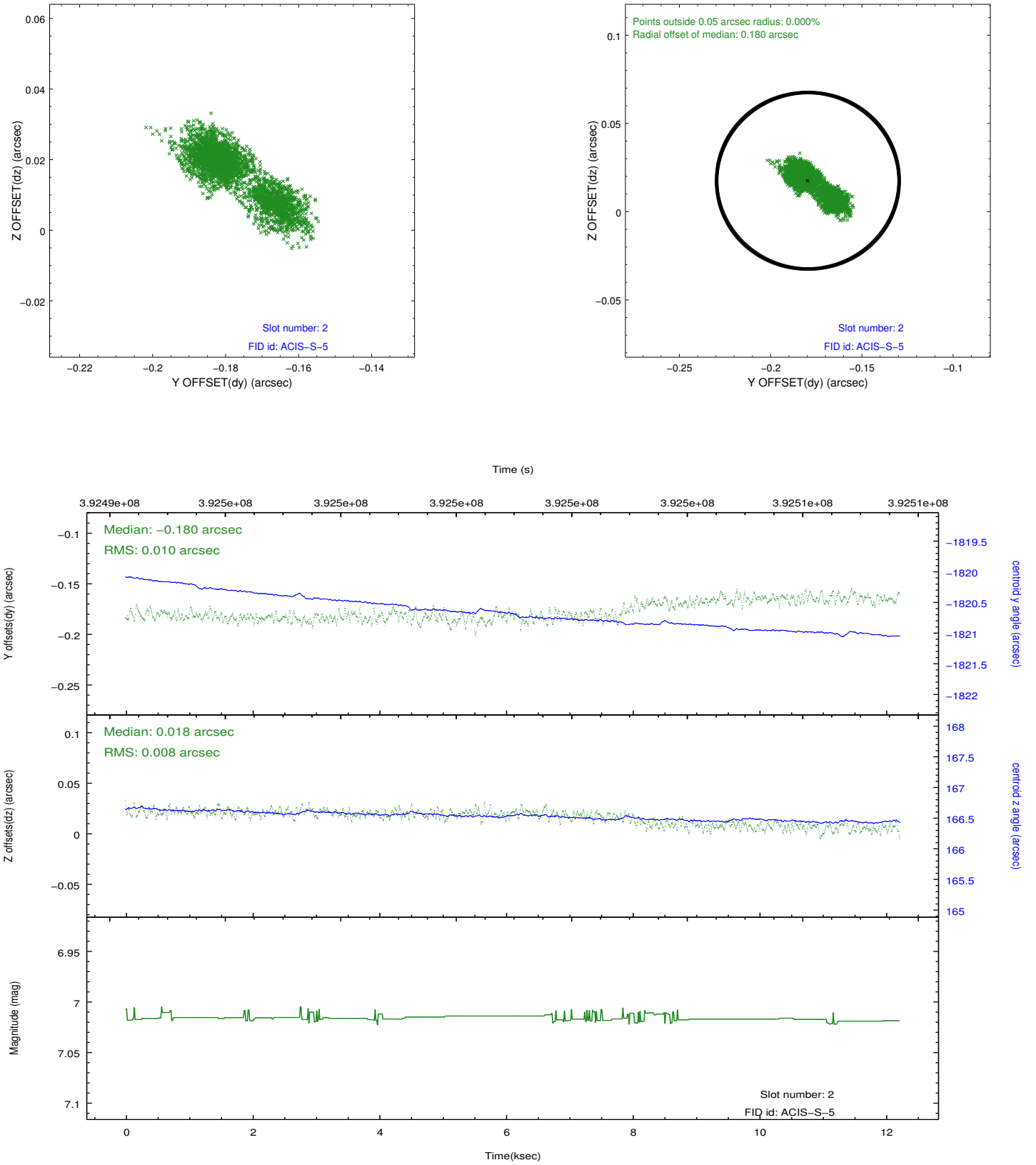
2.5.1 Slot 0



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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.247999958158

A.2 Comments