

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12079 - L2 Version 2
Chandra X-Ray Center

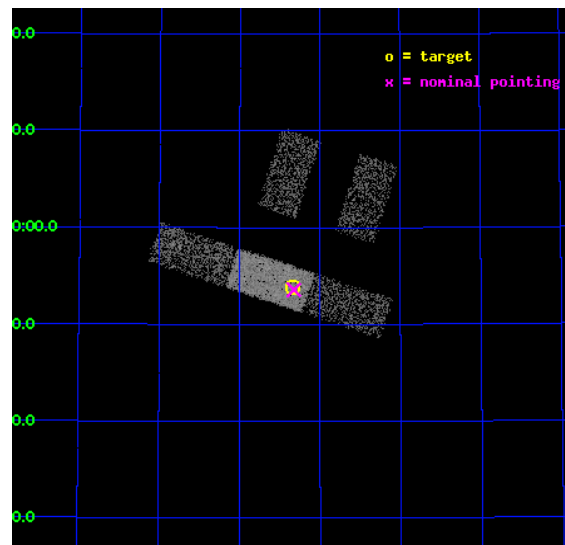
L2 Processing Date : Jun 22 2012

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1 Front

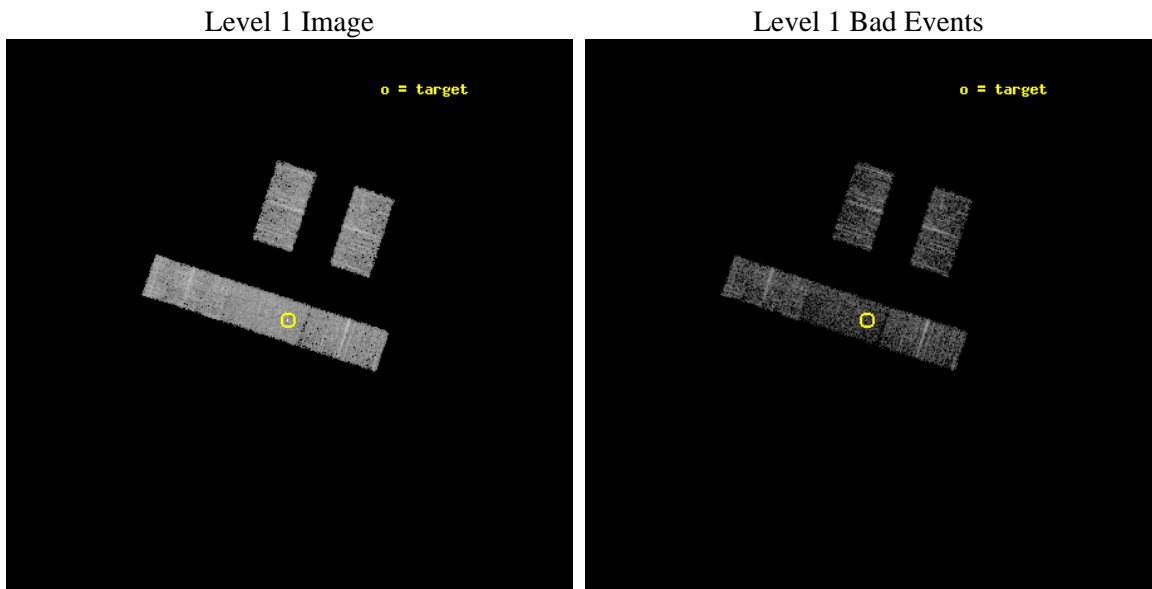
seq_num	702309	Sequence number
obs_id	12079	Observation id
title	Gravitationally lensed quasar Q0957+561AB in outburst	Proposal tit
observer	Dr Luis Goicoechea	Principal investigator
object	Q0957+561	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.336667	Observer's specified target RA [deg]
dec_targ	55.897056	Observer's specified target Dec [deg]
ra_nom	150.33124356798	Nominal RA [deg]
dec_nom	55.893239370073	Nominal Dec [deg]
roll_nom	198.05058615423	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3150.0999779701	Sum of GTIs [s]
livetime	3075.8454501615	Livetime [s]
ontime2	3150.0999779701	Sum of GTIs [s]
ontime3	3150.0999779701	Sum of GTIs [s]
ontime6	3150.0999779701	Sum of GTIs [s]
ontime7	3150.0999779701	Sum of GTIs [s]
ontime8	3150.0999779701	Sum of GTIs [s]
l2events	12883	Number of level 2 events



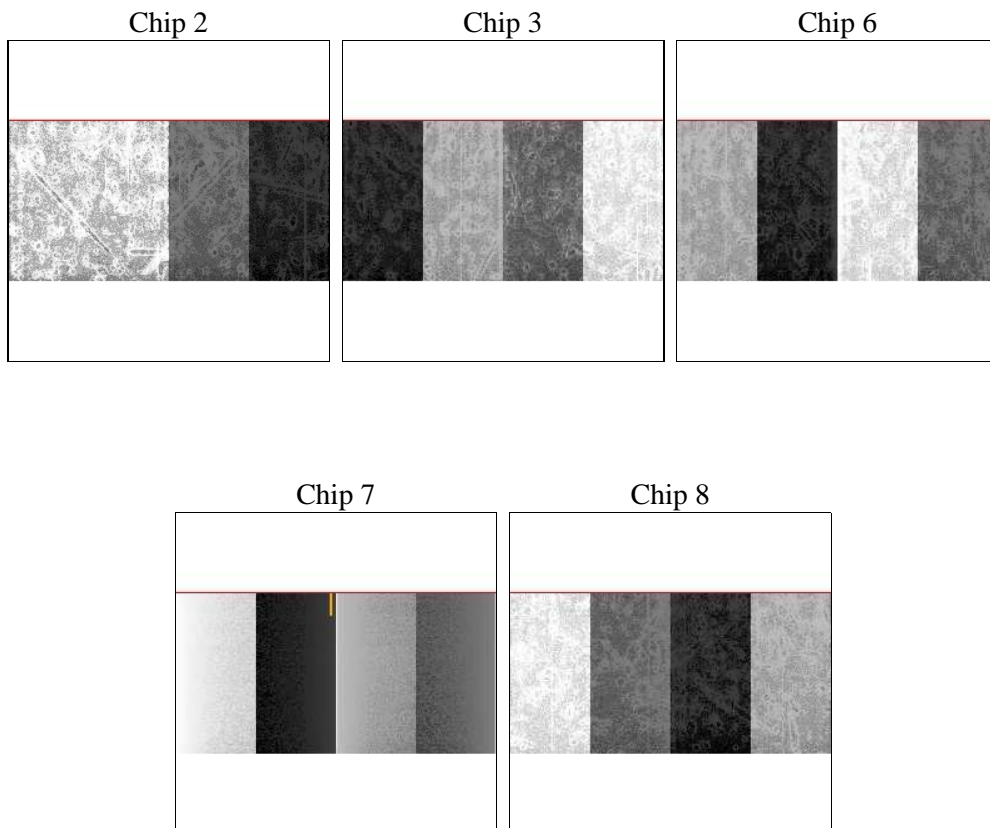
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3150.0999779701	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	3150.0999779701	Sum of GTIs [s]
date	2012-06-22T03:44:22	Date and time of file creation	ontime3	3150.0999779701	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3150.0999779701	Sum of GTIs [s]
			ontime7	3150.0999779701	Sum of GTIs [s]
			ontime8	3150.0999779701	Sum of GTIs [s]
			l1events	92320	Number of level 1 events

2.1.4 Events

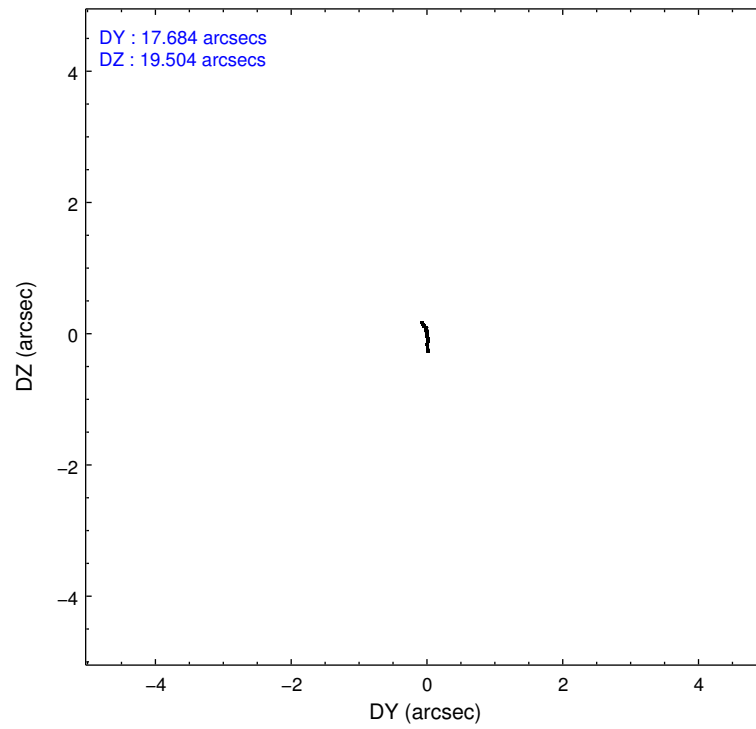
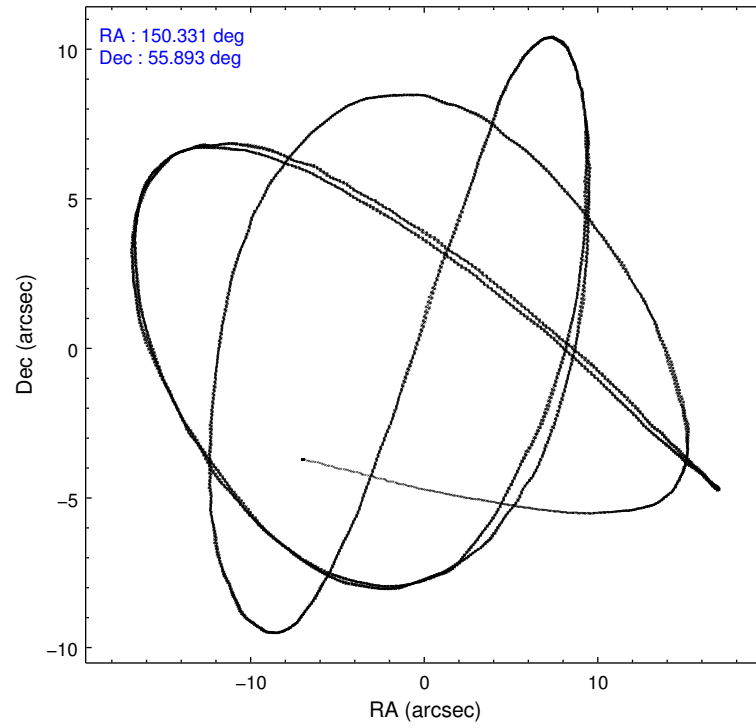
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	16606	16241	17303	19793	22377
rejected events	15144	14868	15820	11880	17754
rejected %	91%	91%	91%	60%	79%

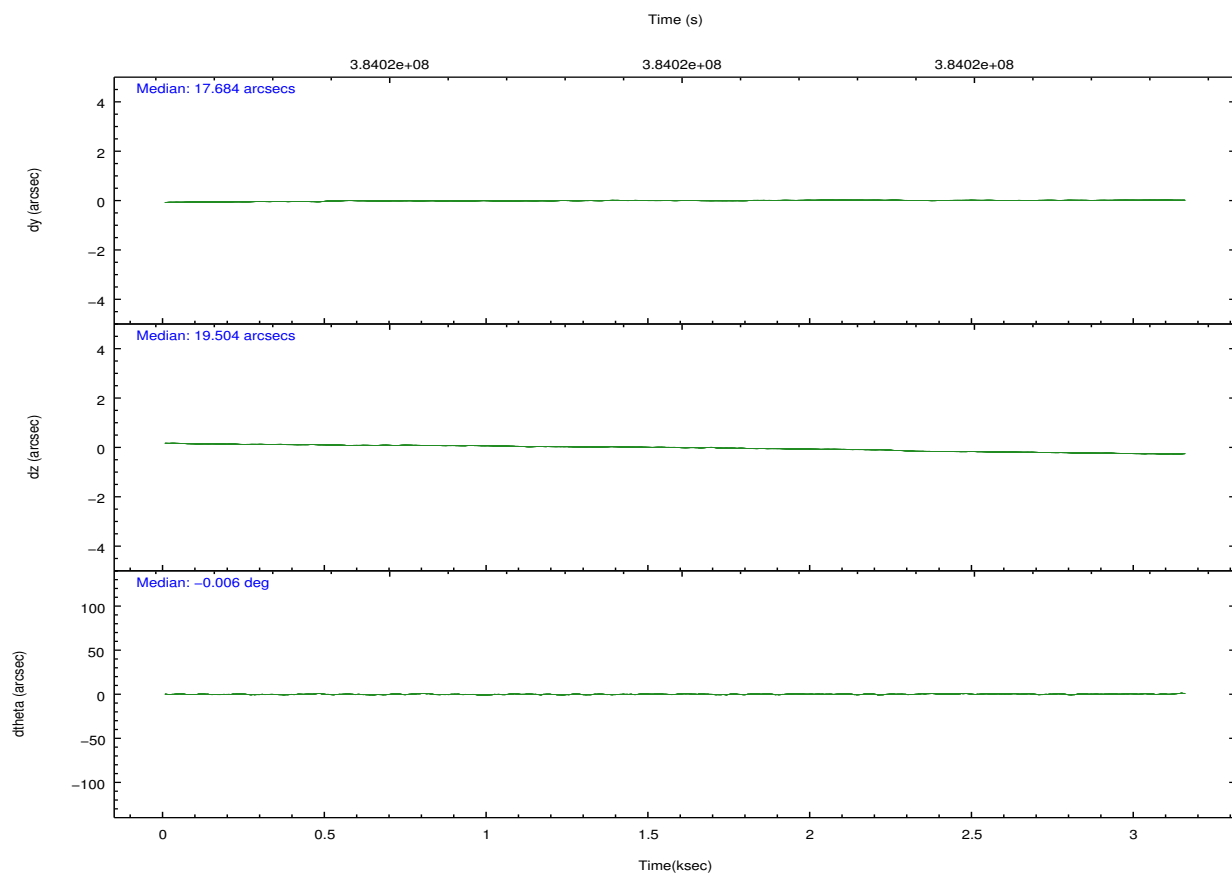
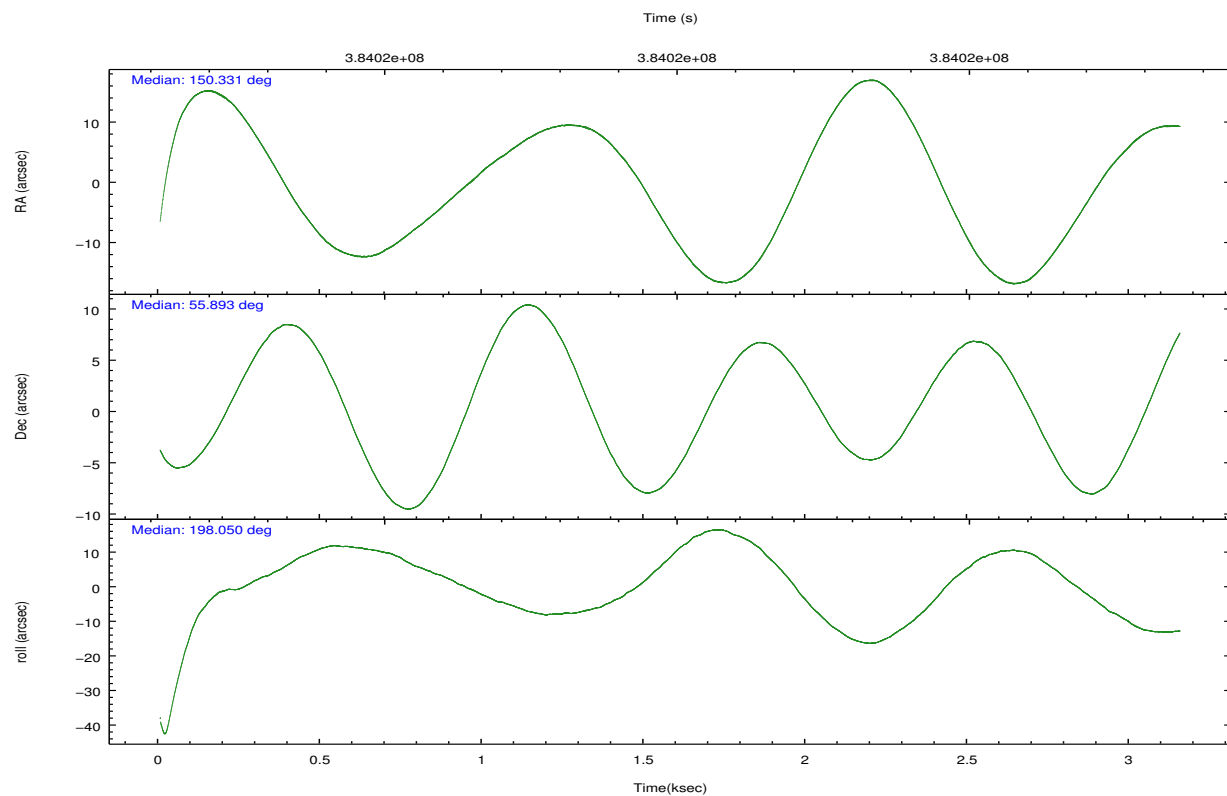
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	592	592	589	1058	1766
	3%	3%	3%	5%	7%
grade 1 events	5	8	12	40	9
	0%	0%	0%	0%	0%
grade 2 events	403	303	386	2009	1311
	2%	1%	2%	10%	5%
grade 3 events	237	245	232	1007	651
	1%	1%	1%	5%	2%
grade 4 events	207	221	214	985	556
	1%	1%	1%	4%	2%
grade 5 events	585	659	678	2068	963
	3%	4%	3%	10%	4%
grade 6 events	343	318	352	4453	1483
	2%	1%	2%	22%	6%
grade 7 events	14234	13895	14840	8173	15638
	85%	85%	85%	41%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	150.363189	150.3312435679806	CCD I2 on	O4	Y
[deg] Pointing Dec	55.913939	55.89323937007305	CCD I3 on	O3	Y
[deg] Pointing Roll	197.867716	198.0505861542252	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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	O2	Y
[s] Observation start time (MET)	384015552.184000	384014421.1438	CCD S5 on	N	N
Observation start date	2010-03-03T14:58:06	2010-03-03T14:40:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	384018552.184000	384019306.29405	On-chip summing requested	N	N
Observation end date	2010-03-03T15:48:06	2010-03-03T16:01:46	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

2.3 Aspect



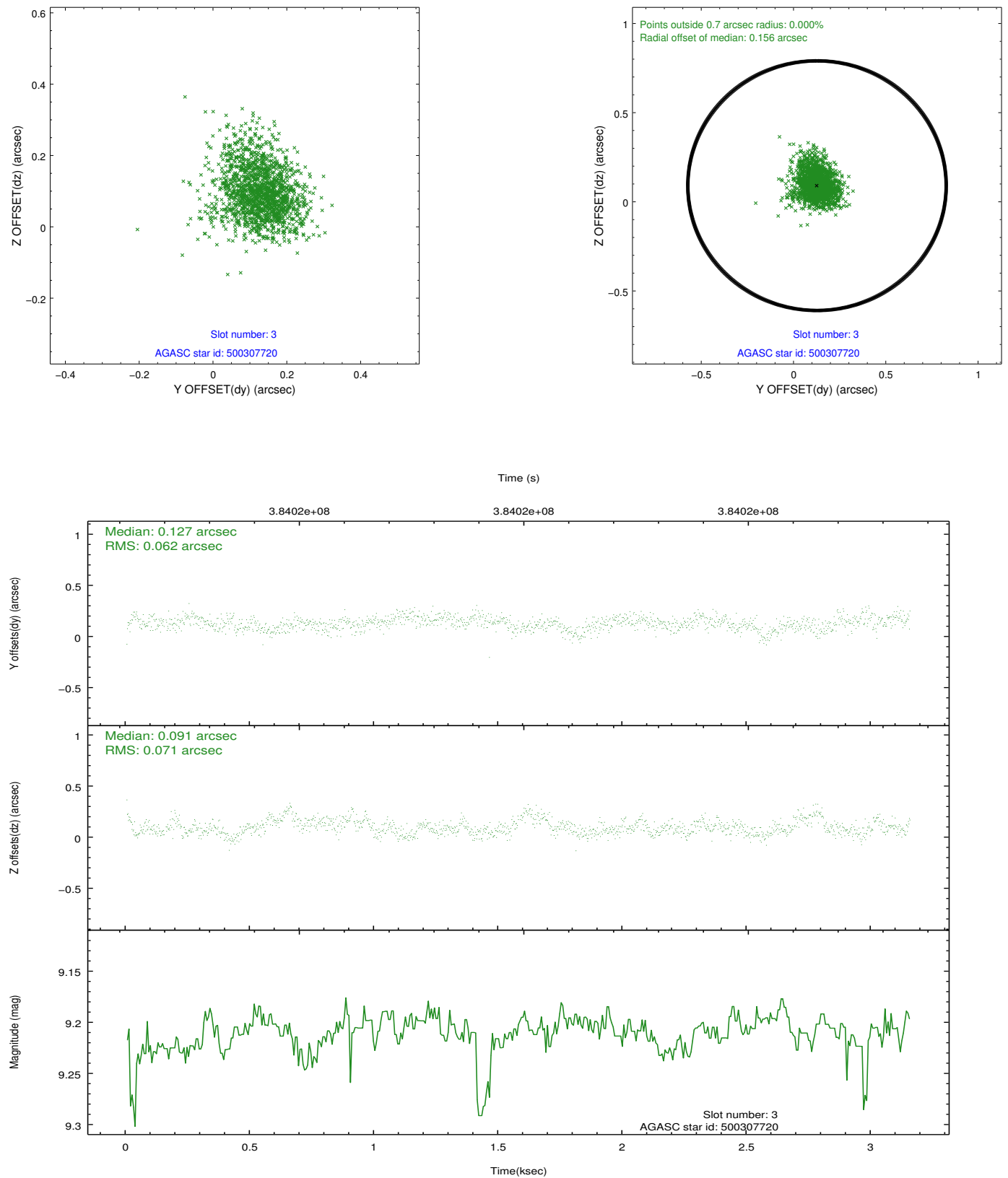


Slot Statistics

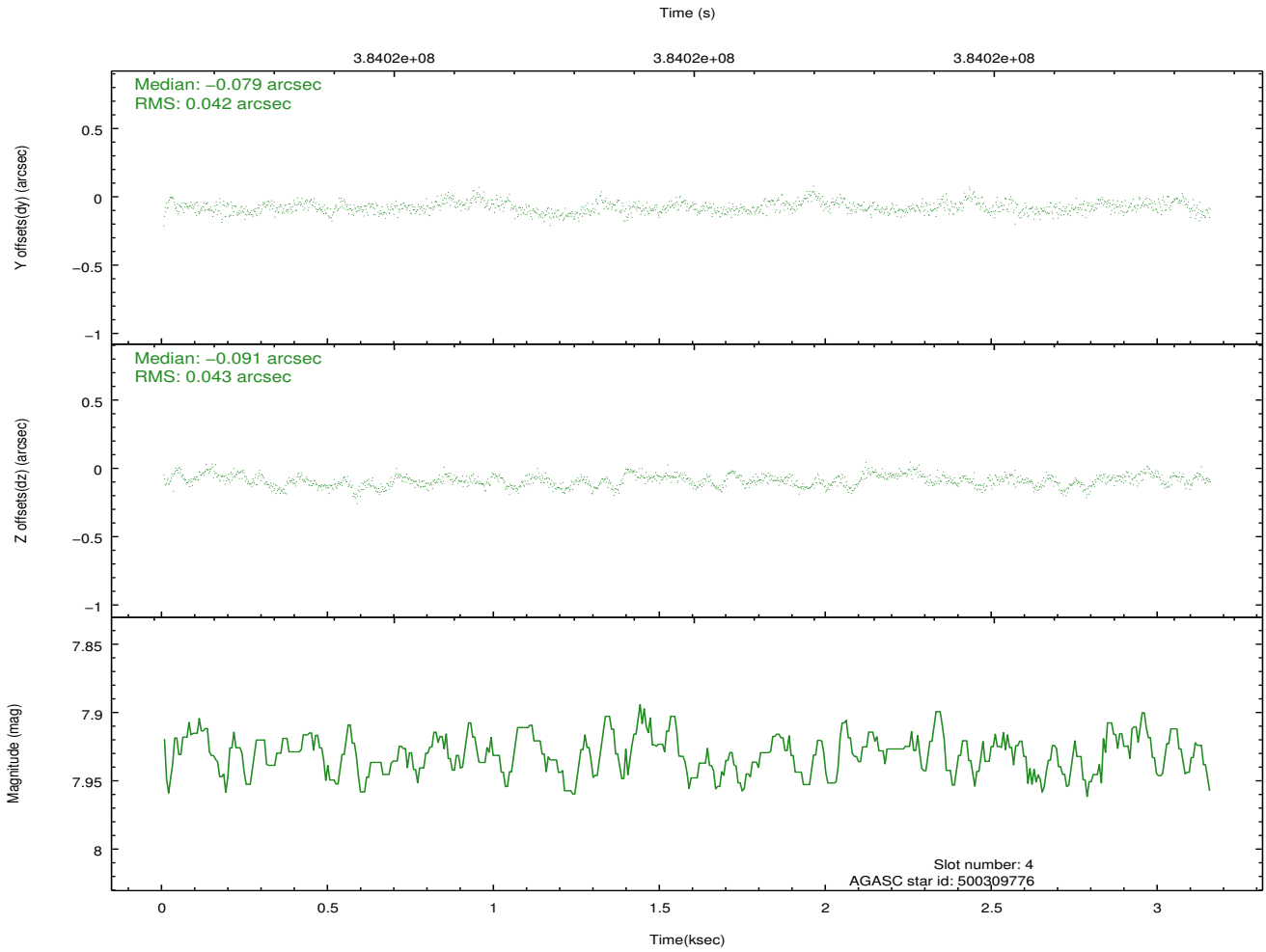
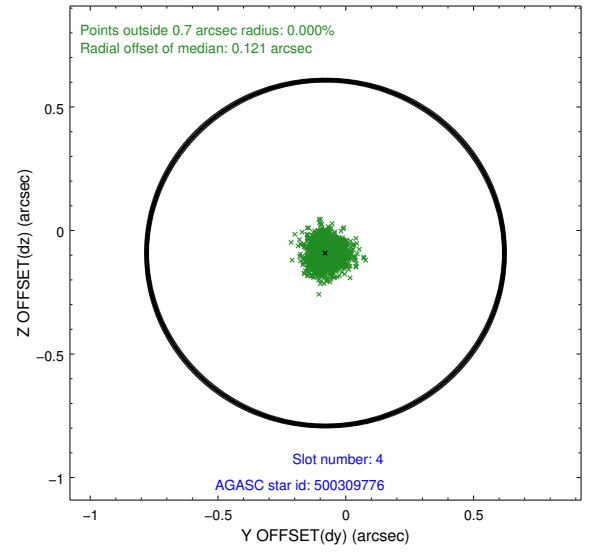
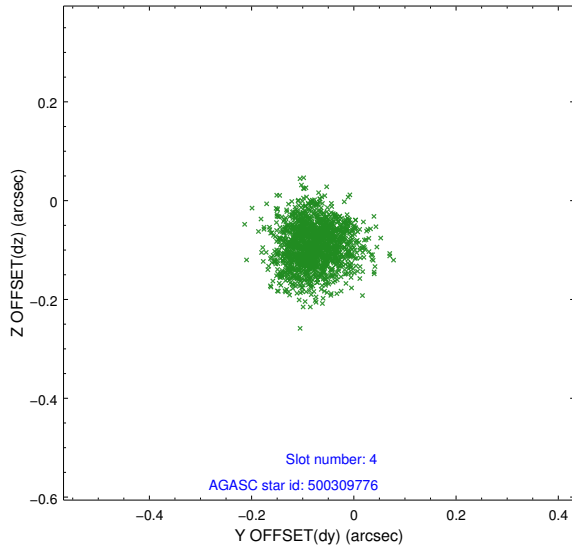
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	769	0.062	-0.013	0.007	0.012	0.000000	0.000000	925.38	-1736.56
1	FID	ACIS-S-4	6.97	769	0.128	-0.017	0.006	0.010	0.000000	0.000000	2143.96	165.50
2	FID	ACIS-S-5	7.00	769	-0.217	0.042	0.006	0.011	0.000000	0.000000	-1821.19	161.42
3	GUIDE	500307720	9.21	1533	0.127	0.091	0.097	0.165	149.835368	56.109010	791.84	-997.50
4	GUIDE	500309776	7.93	1539	-0.079	-0.091	0.064	0.102	150.409238	55.585087	277.49	1158.23
5	GUIDE	500311288	8.57	1539	0.065	-0.059	0.077	0.125	149.915988	55.168561	1697.81	2269.45
6	GUIDE	500442560	7.01	1539	-0.143	-0.069	0.062	0.104	151.619747	55.769496	-2268.46	1254.73
7	GUIDE	500440664	8.25	1538	0.030	0.131	0.074	0.120	151.710049	55.657613	-2329.45	1692.90

2.4 Star Slots

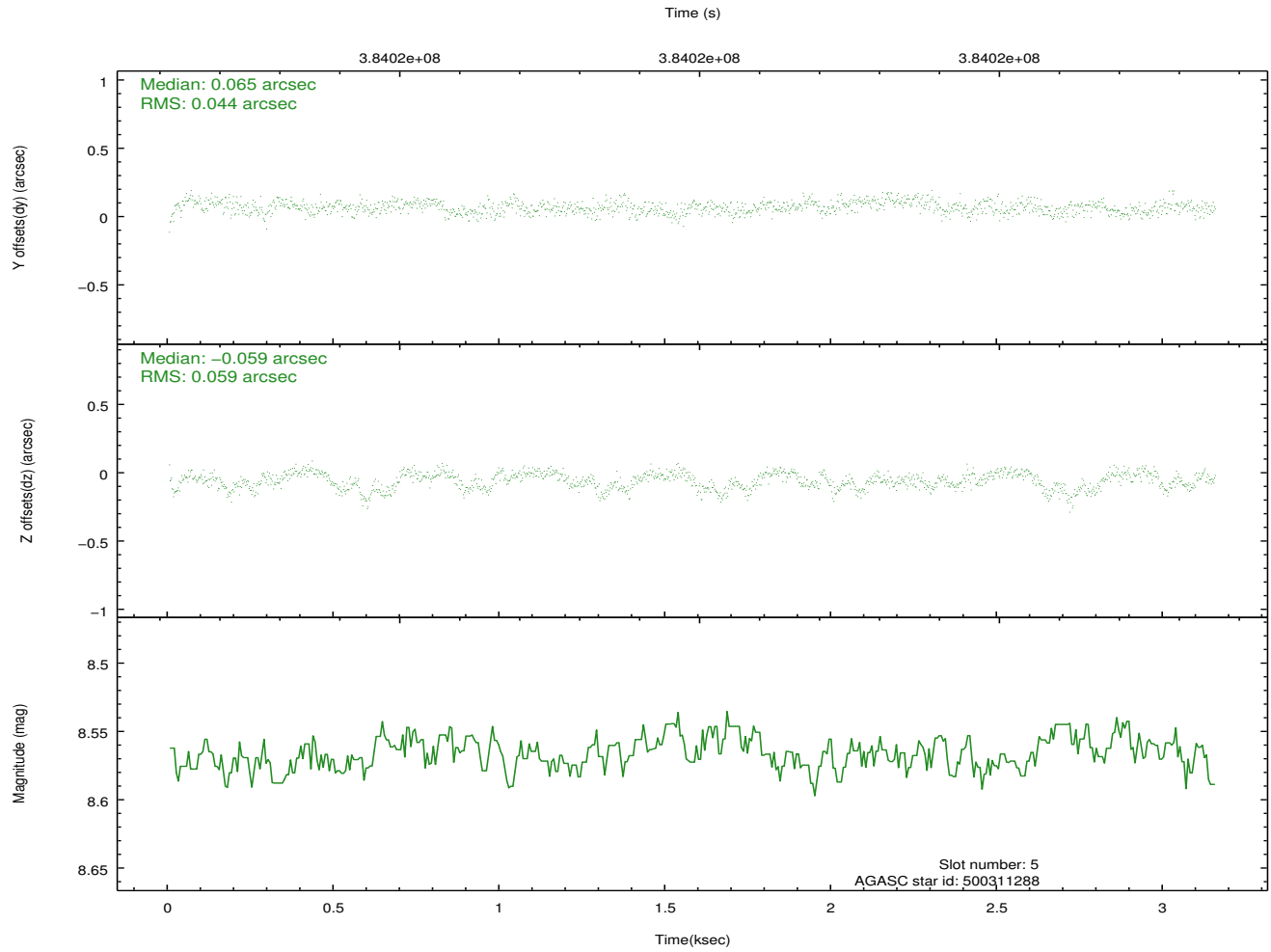
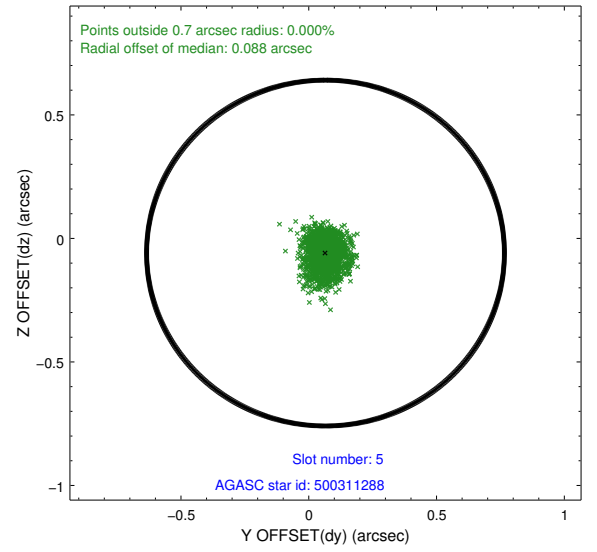
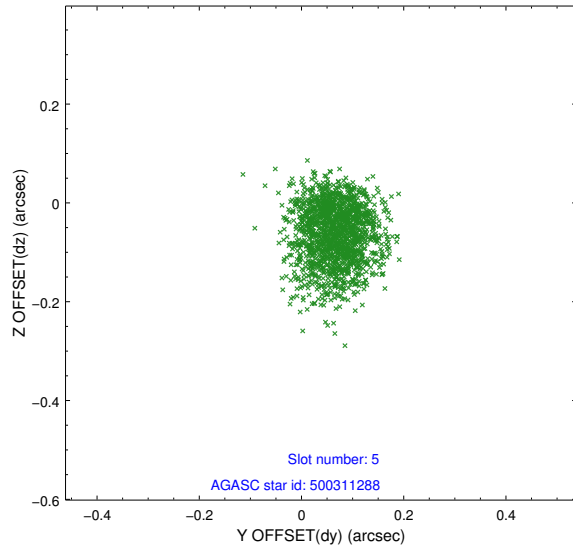
2.4.1 Slot 3



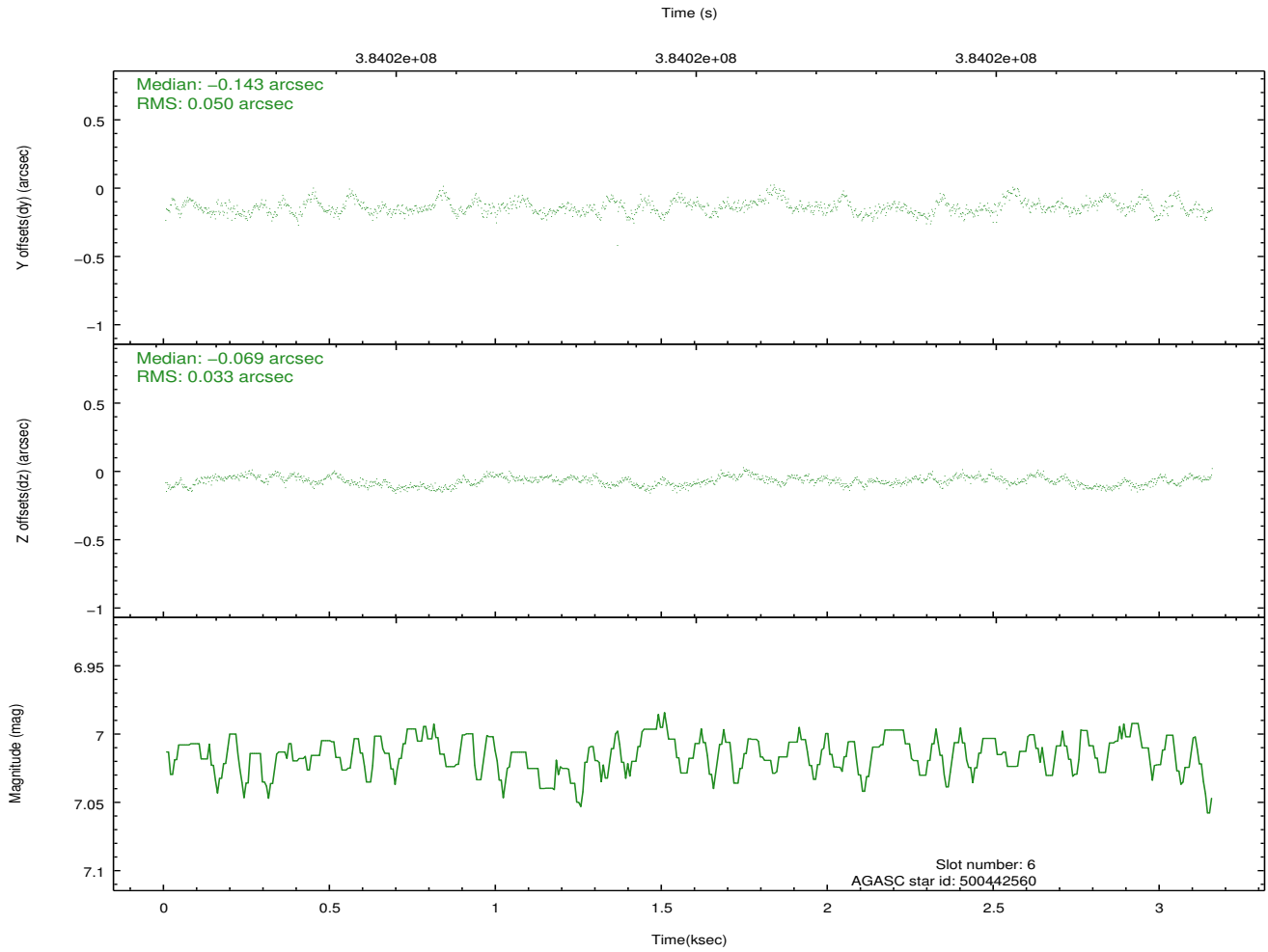
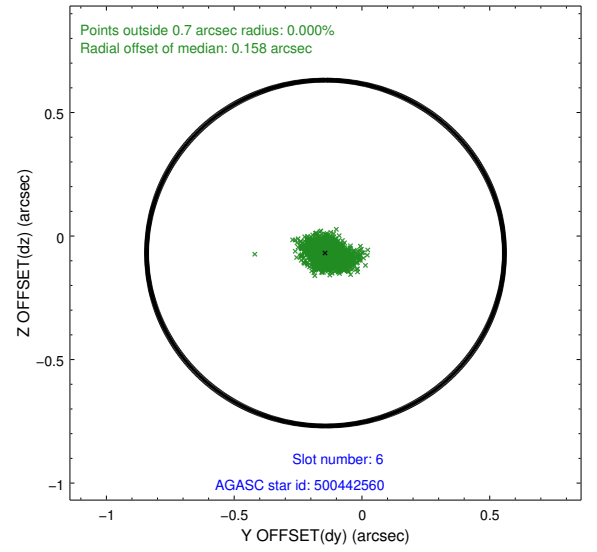
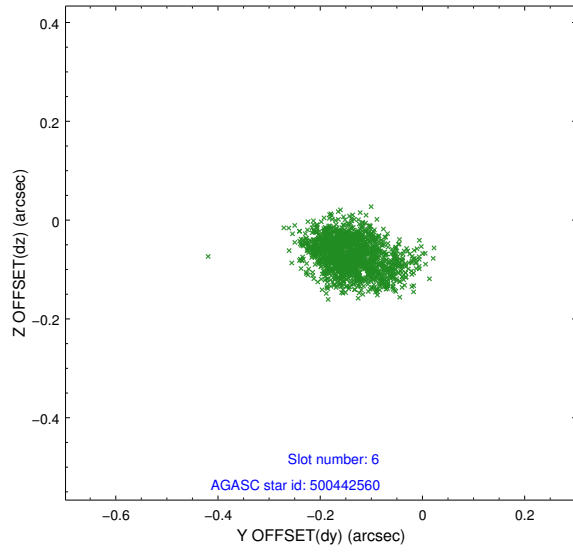
2.4.2 Slot 4



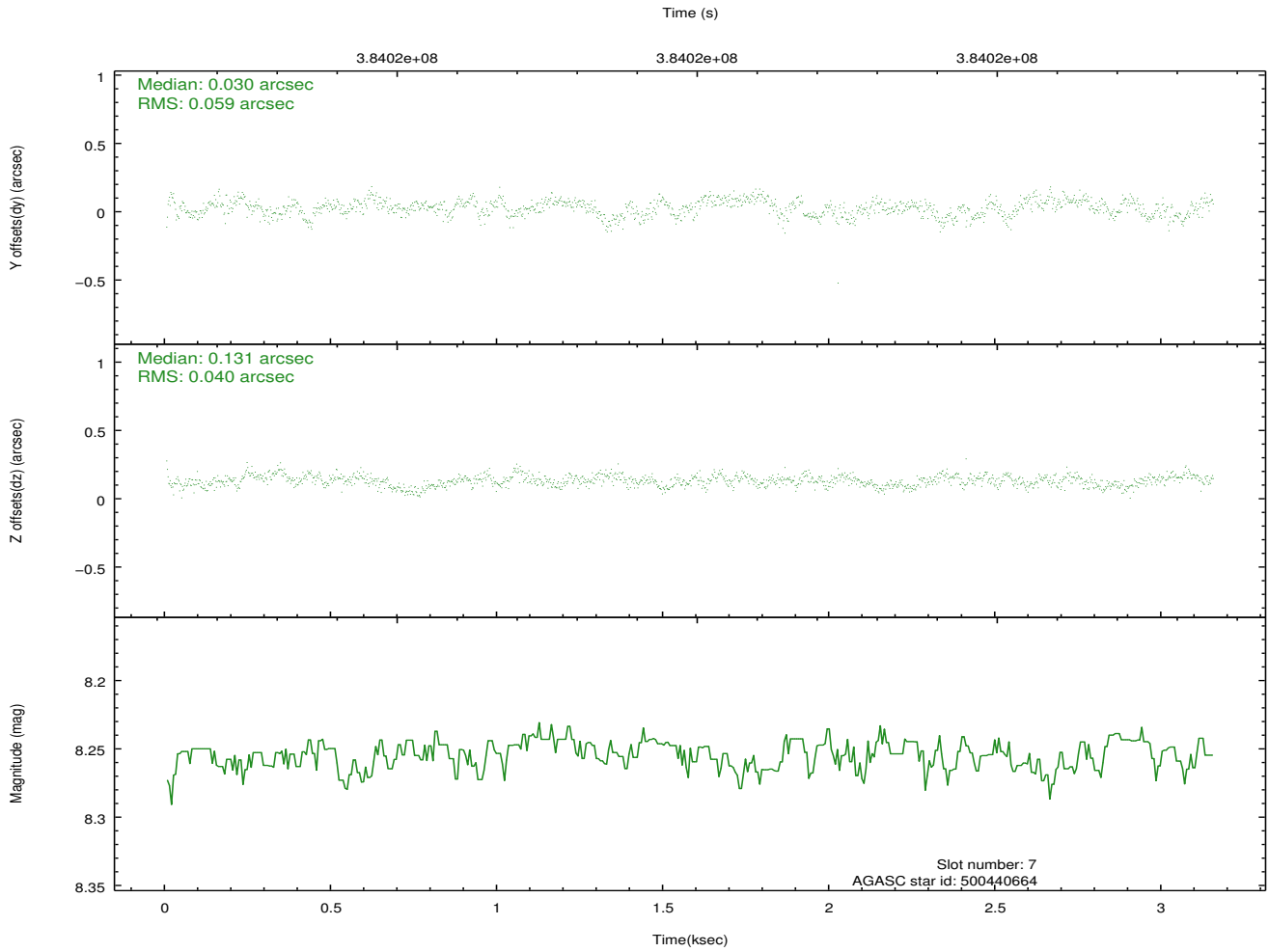
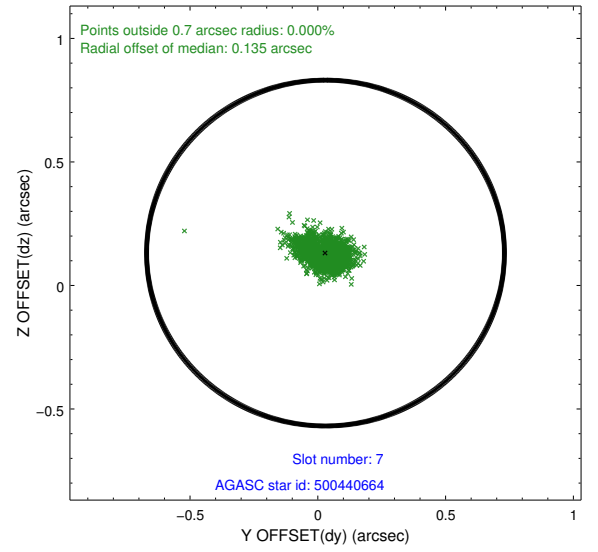
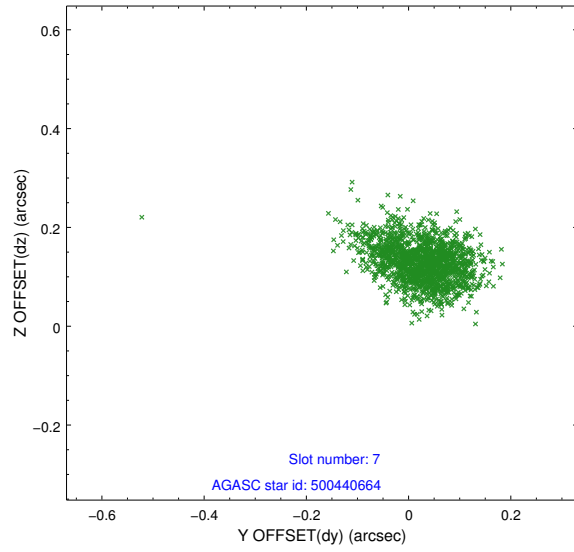
2.4.3 Slot 5



2.4.4 Slot 6

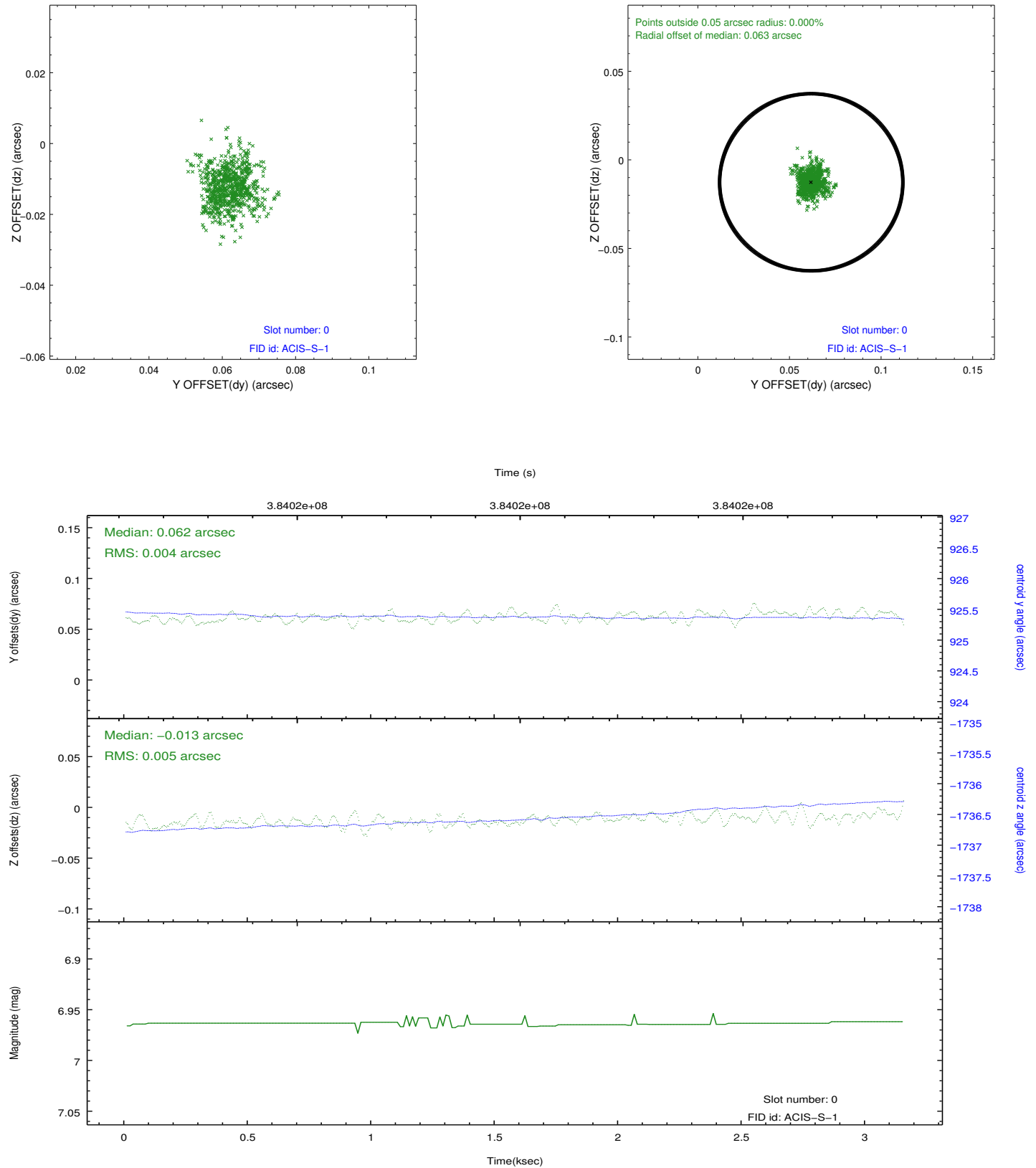


2.4.5 Slot 7

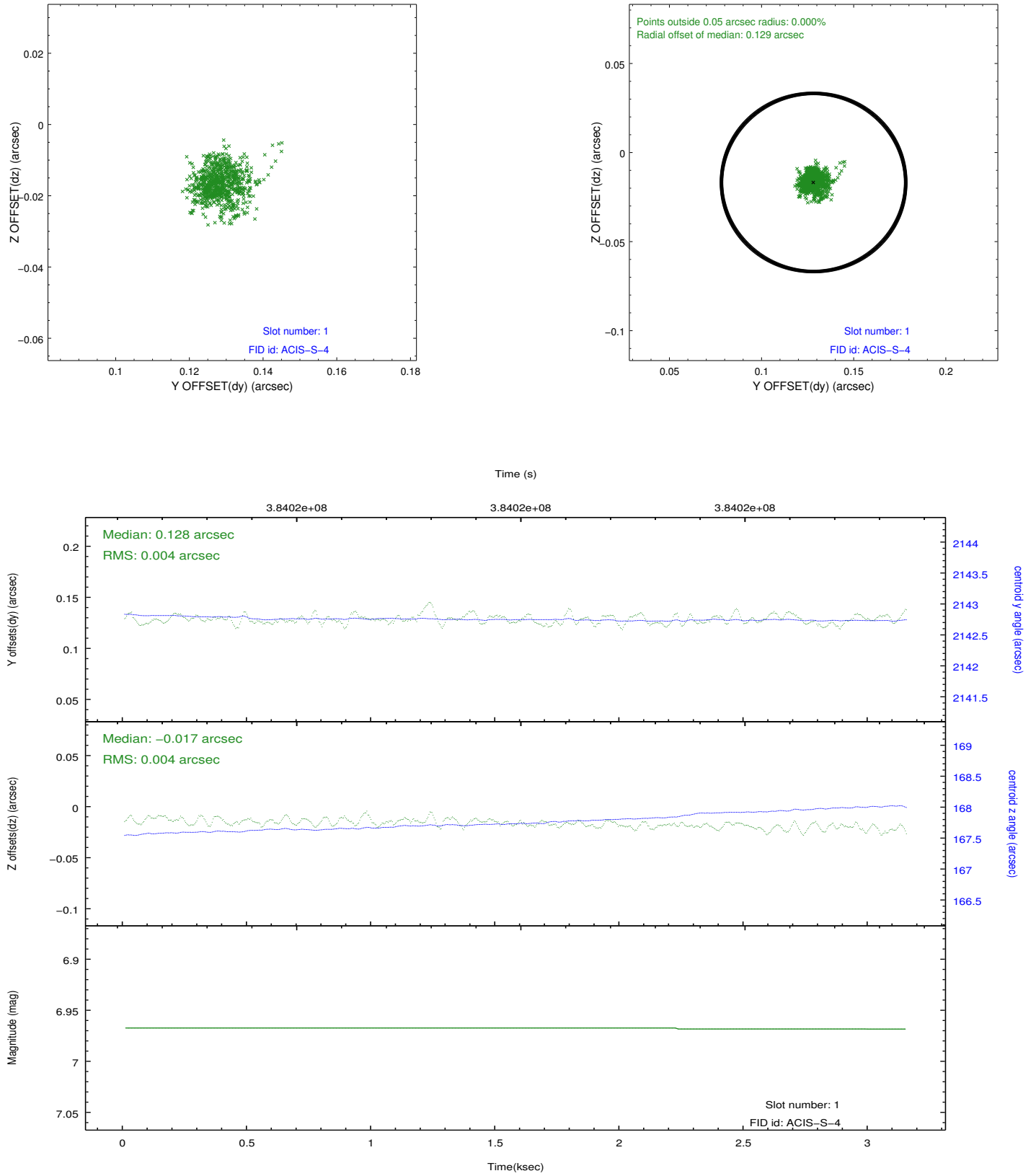


2.5 FID Slots

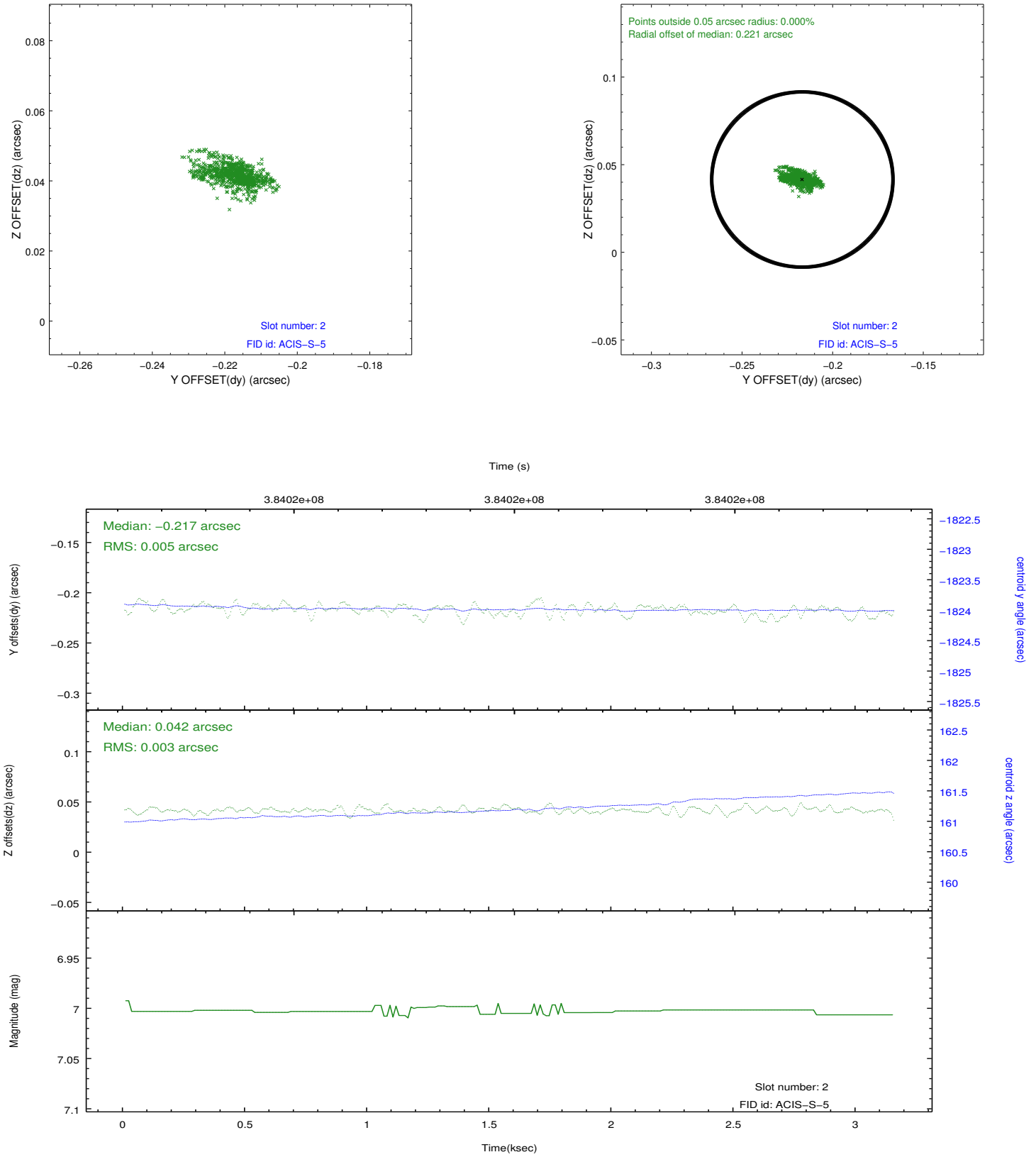
2.5.1 Slot 0



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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1500999779701

A.2 Comments