

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10381 - L2 Version 2
Chandra X-Ray Center

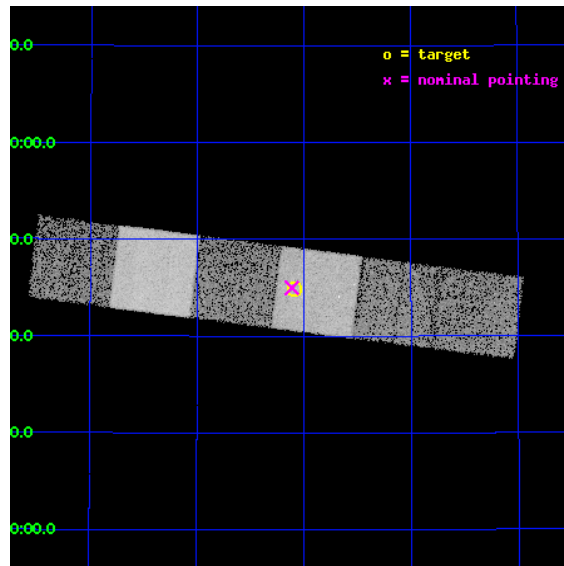
L2 Processing Date : Jun 16 2012

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

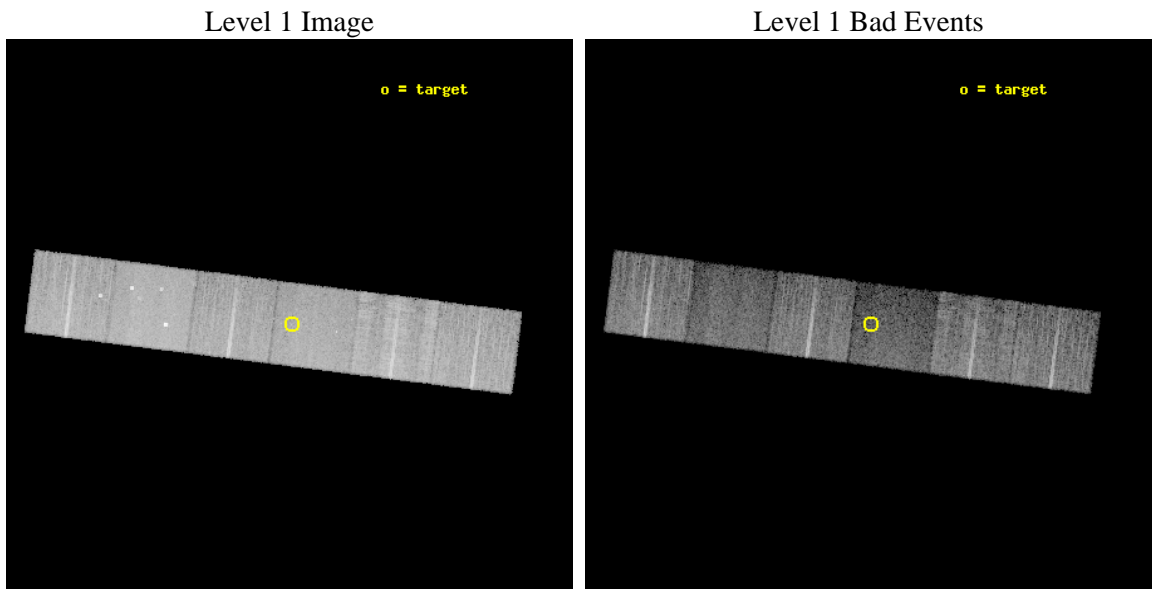
seq_num	701924	Sequence number
obs_id	10381	Observation id
title	The Circumnuclear X-Ray Environments of CSS Radio Sources	Proposal
observer	Dr Daniel Evans	Principal investigator
object	3C 299	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.273333	Observer's specified target RA [deg]
dec_targ	41.746833	Observer's specified target Dec [deg]
ra_nom	215.27832294762	Nominal RA [deg]
dec_nom	41.749900441003	Nominal Dec [deg]
roll_nom	7.1532951128484	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9699.1999639273	Sum of GTIs [s]
livetime	9576.382853827	Livetime [s]
ontime4	9699.1999639273	Sum of GTIs [s]
ontime5	9699.1999639273	Sum of GTIs [s]
ontime6	9699.1999639273	Sum of GTIs [s]
ontime7	9699.1999639273	Sum of GTIs [s]
ontime8	9699.1999639273	Sum of GTIs [s]
ontime9	9699.1999639273	Sum of GTIs [s]
l2events	116108	Number of level 2 events



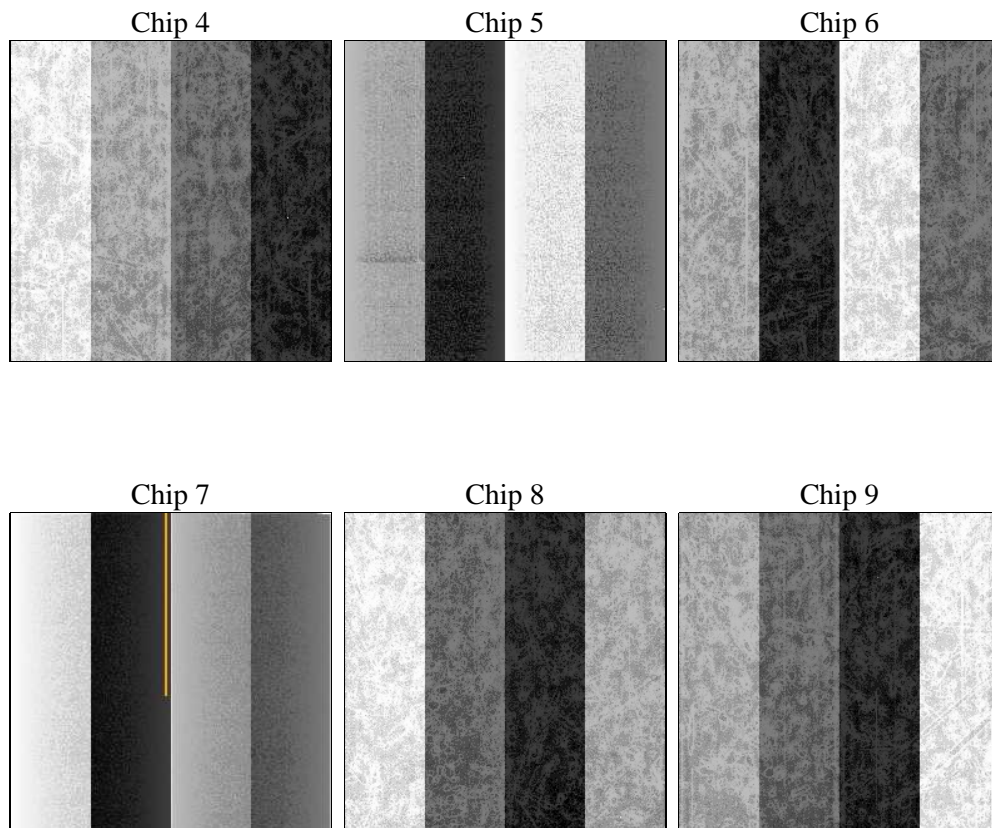
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9664.287000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9699.1999639273	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	9699.1999639273	Sum of GTIs [s]
date	2012-06-16T02:00:12	Date and time of file creation	ontime5	9699.1999639273	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	9699.1999639273	Sum of GTIs [s]
			ontime7	9699.1999639273	Sum of GTIs [s]
			ontime8	9699.1999639273	Sum of GTIs [s]
			ontime9	9699.1999639273	Sum of GTIs [s]
			l1events	528578	Number of level 1 events

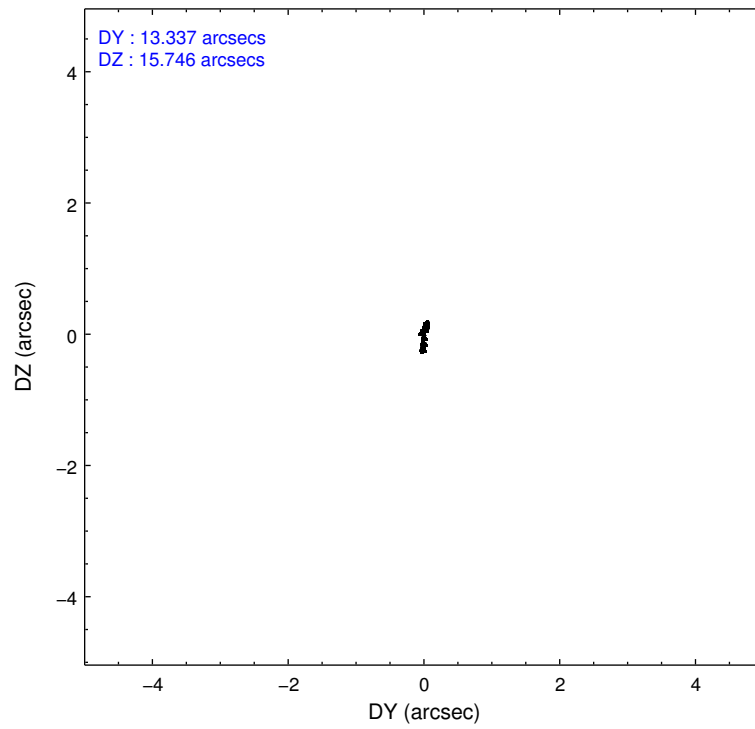
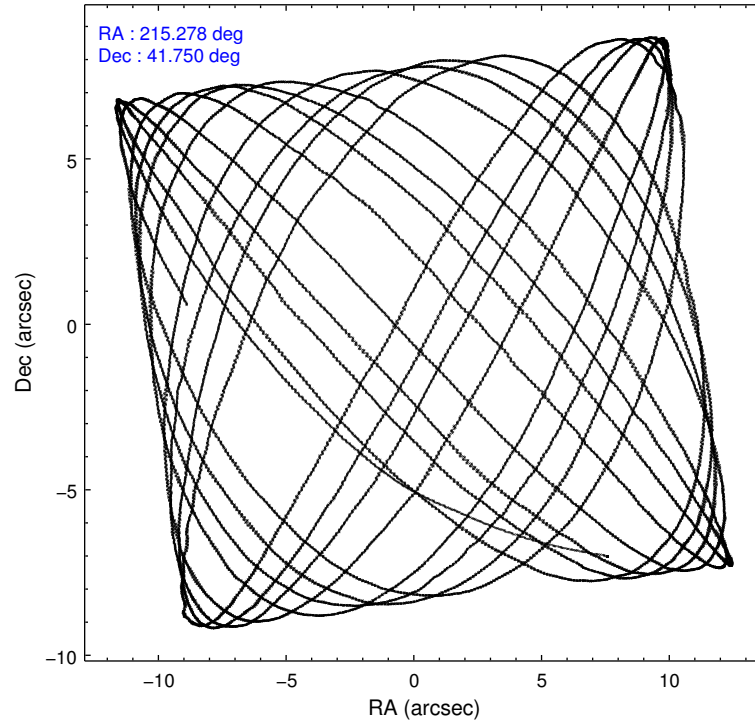
2.1.4 Events

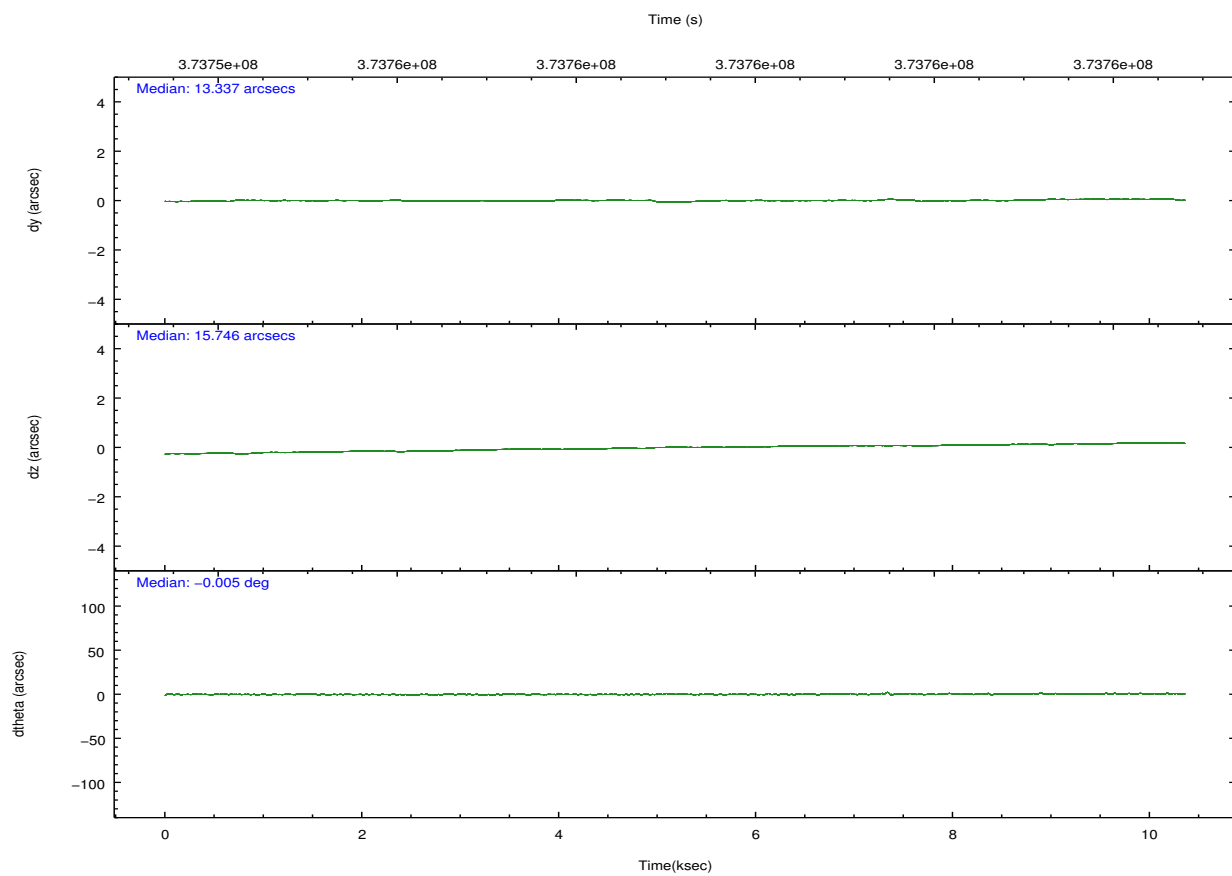
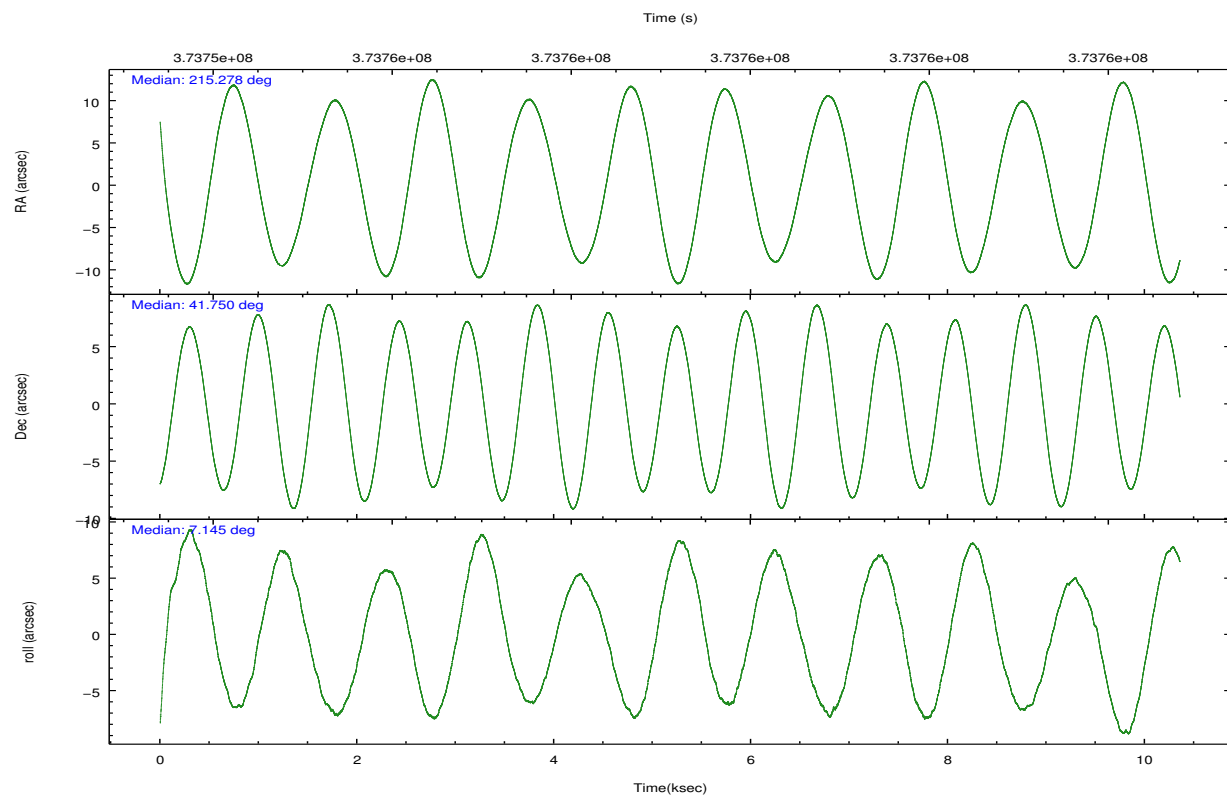
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	91053	103891	78518	77242	100092	77782	grade 0 events	4183	7977	2913	4103	7230	2859
rejected events	81616	47628	70331	38709	73955	69652		4%	7%	3%	5%	7%	3%
rejected %	89%	45%	89%	50%	73%	89%	grade 1 events	89	288	40	129	96	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	2089	16660	1819	8229	6060	1832
								2%	16%	2%	10%	6%	2%
							grade 3 events	923	2322	870	3549	3013	942
								1%	2%	1%	4%	3%	1%
							grade 4 events	881	2229	896	3616	2793	816
								0%	2%	1%	4%	2%	1%
							grade 5 events	2689	8258	2848	8185	4348	3061
								2%	7%	3%	10%	4%	3%
							grade 6 events	1366	27128	1689	19058	7049	1693
								1%	26%	2%	24%	7%	2%
							grade 7 events	78833	39029	67443	30373	69503	66535
								86%	37%	85%	39%	69%	85%

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	215.249498	215.2783229476235	CCD I2 on	N	N
[deg] Pointing Dec	41.733056	41.74990044100295	CCD I3 on	N	N
[deg] Pointing Roll	7.015867	7.153295112848404	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	373754618.184000	373753357.80001	CCD S5 on	O2	Y
Observation start date	2009-11-04T20:42:32	2009-11-04T20:22:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	373764282.184000	373764508.77557	On-chip summing requested	N	N
Observation end date	2009-11-04T23:23:36	2009-11-04T23:28:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



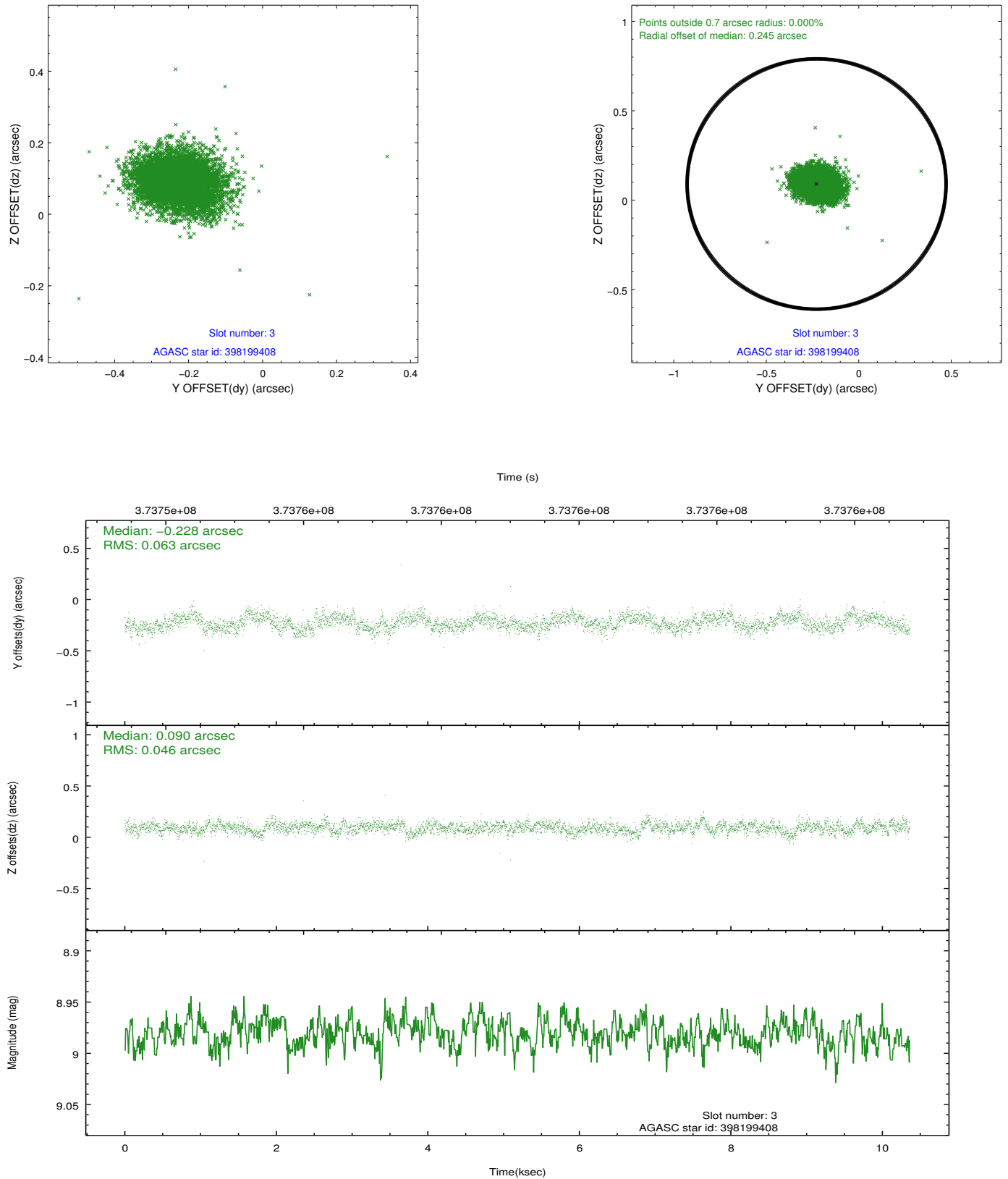


Slot Statistics

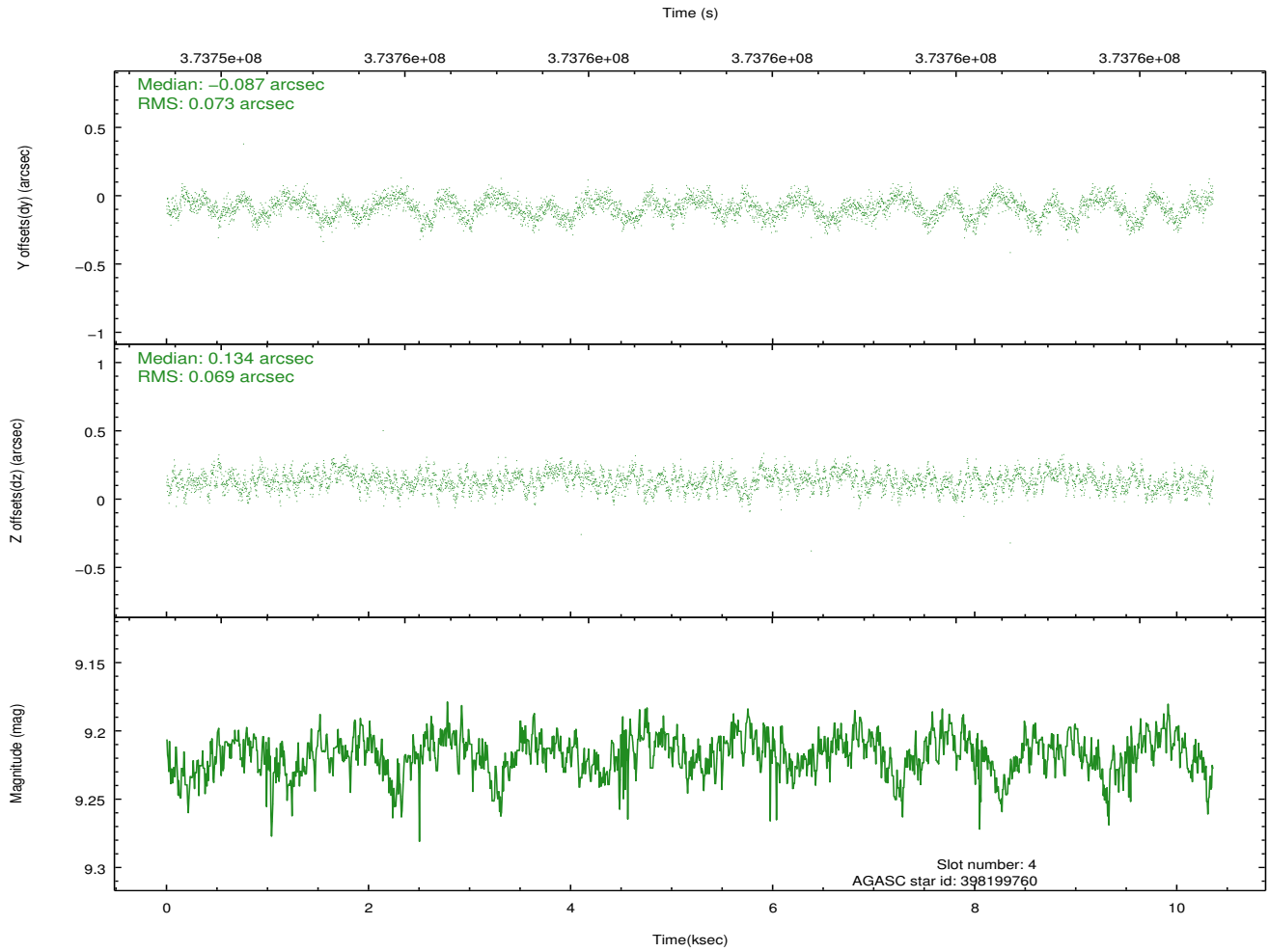
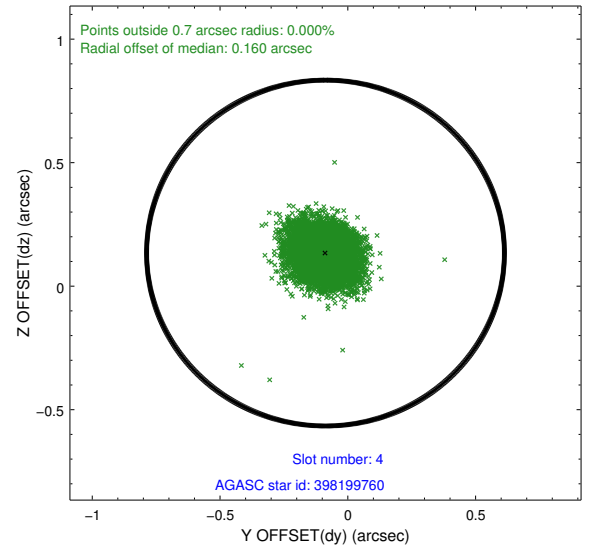
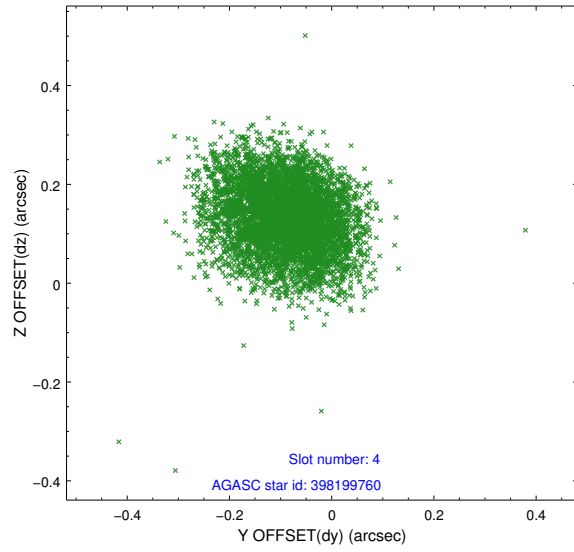
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	2527	-0.051	-0.012	0.007	0.011	0.000000	0.000000	-766.29	-1737.14
1	FID	ACIS-S-4	6.92	2526	0.174	0.028	0.006	0.010	0.000000	0.000000	2146.95	170.89
2	FID	ACIS-S-5	6.94	2527	-0.155	-0.007	0.007	0.011	0.000000	0.000000	-1818.61	165.06
3	GUIDE	398199408	8.98	5051	-0.228	0.090	0.082	0.132	216.068323	41.729041	2183.19	-272.12
4	GUIDE	398199760	9.22	5047	-0.087	0.134	0.109	0.168	215.385688	41.175946	122.48	-2035.29
5	GUIDE	398201264	9.02	5034	0.067	0.014	0.080	0.130	215.573818	41.450598	745.33	-1114.79
6	GUIDE	398201656	6.94	5054	0.043	-0.124	0.064	0.108	214.738225	42.004935	-1236.65	1141.41
7	GUIDE	398203384	8.63	5051	0.201	-0.117	0.083	0.140	214.300226	42.208206	-2301.84	2020.93

2.4 Star Slots

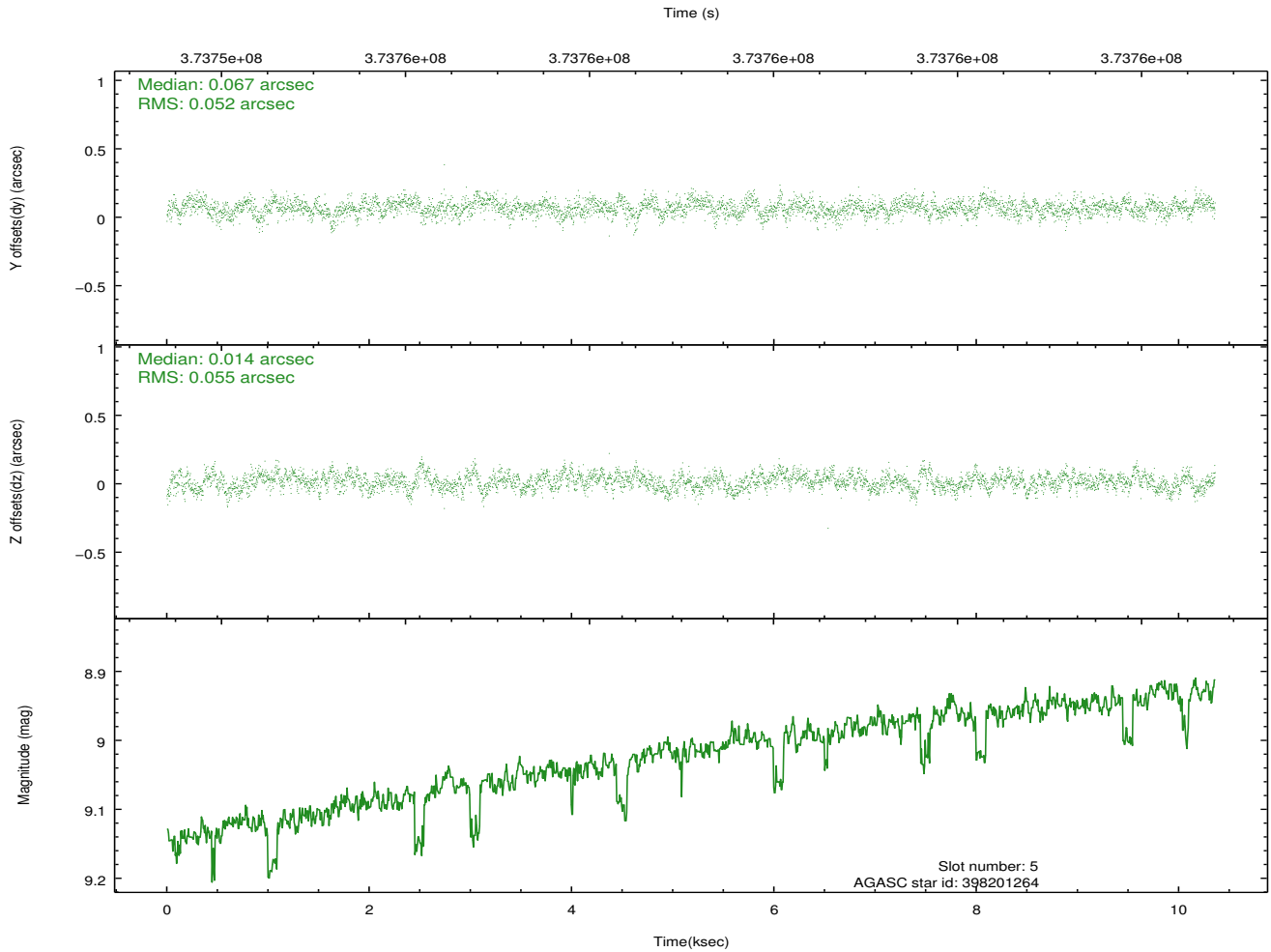
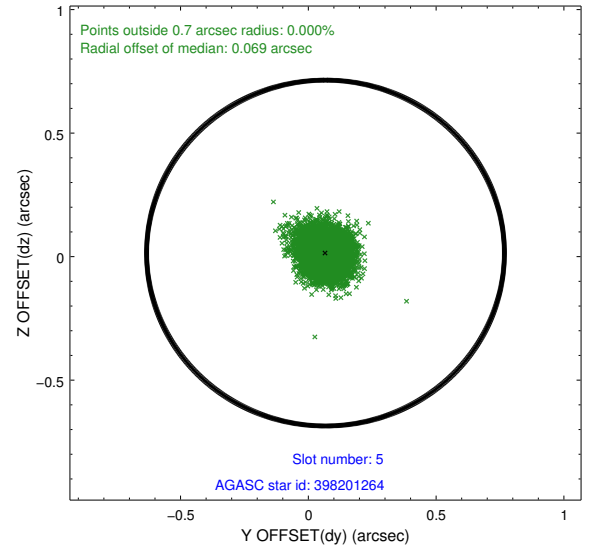
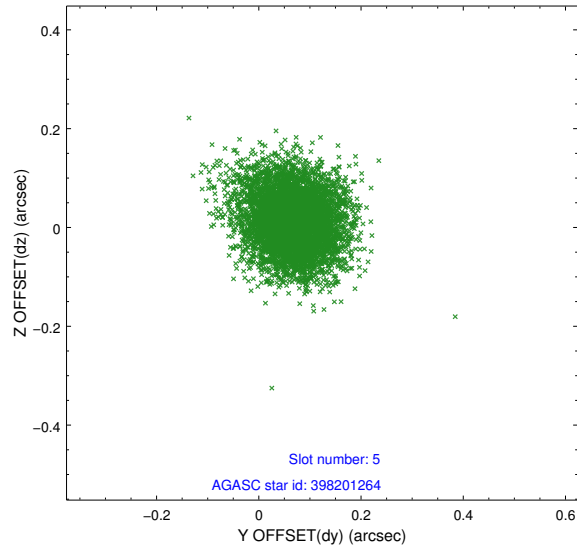
2.4.1 Slot 3



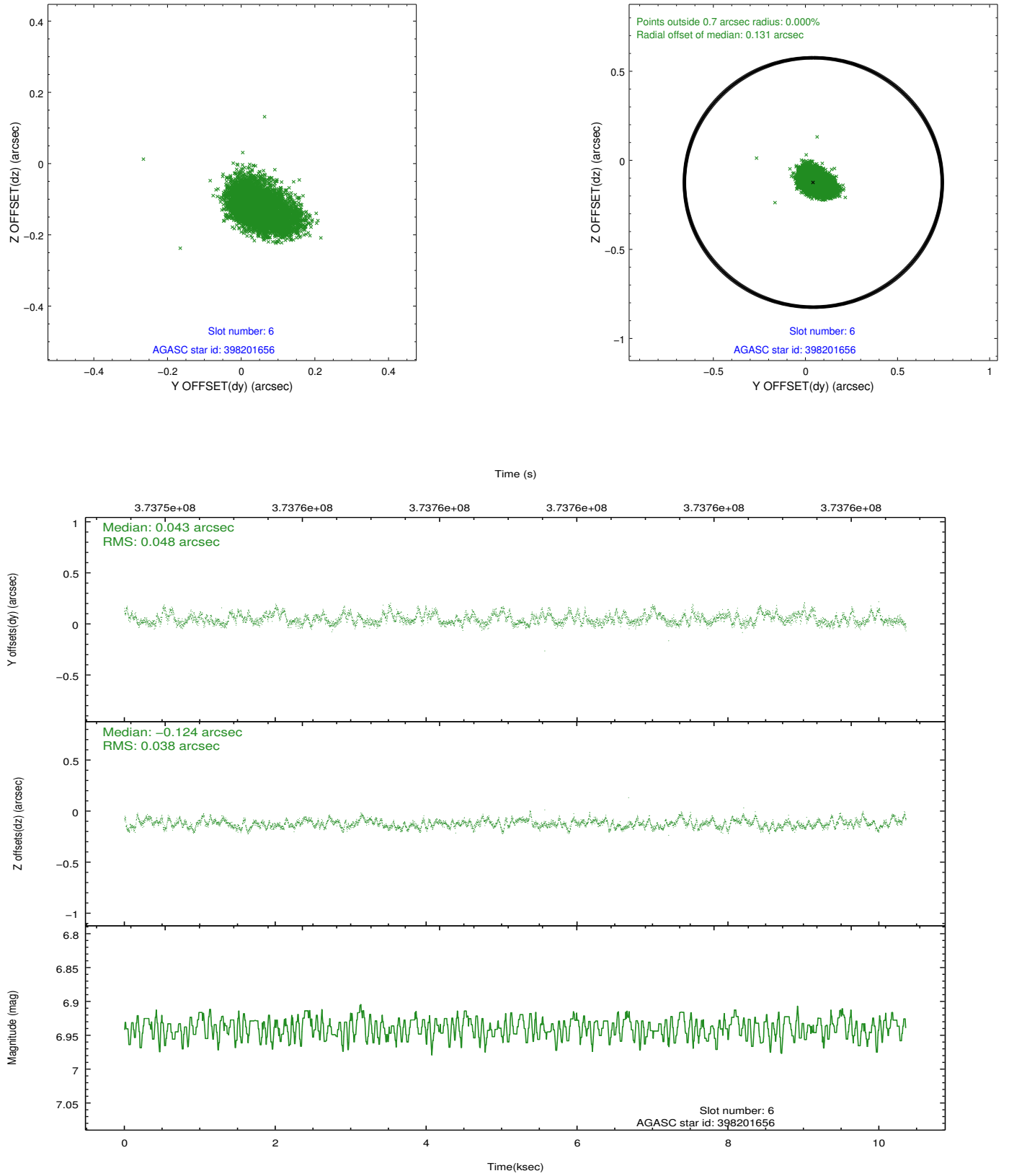
2.4.2 Slot 4



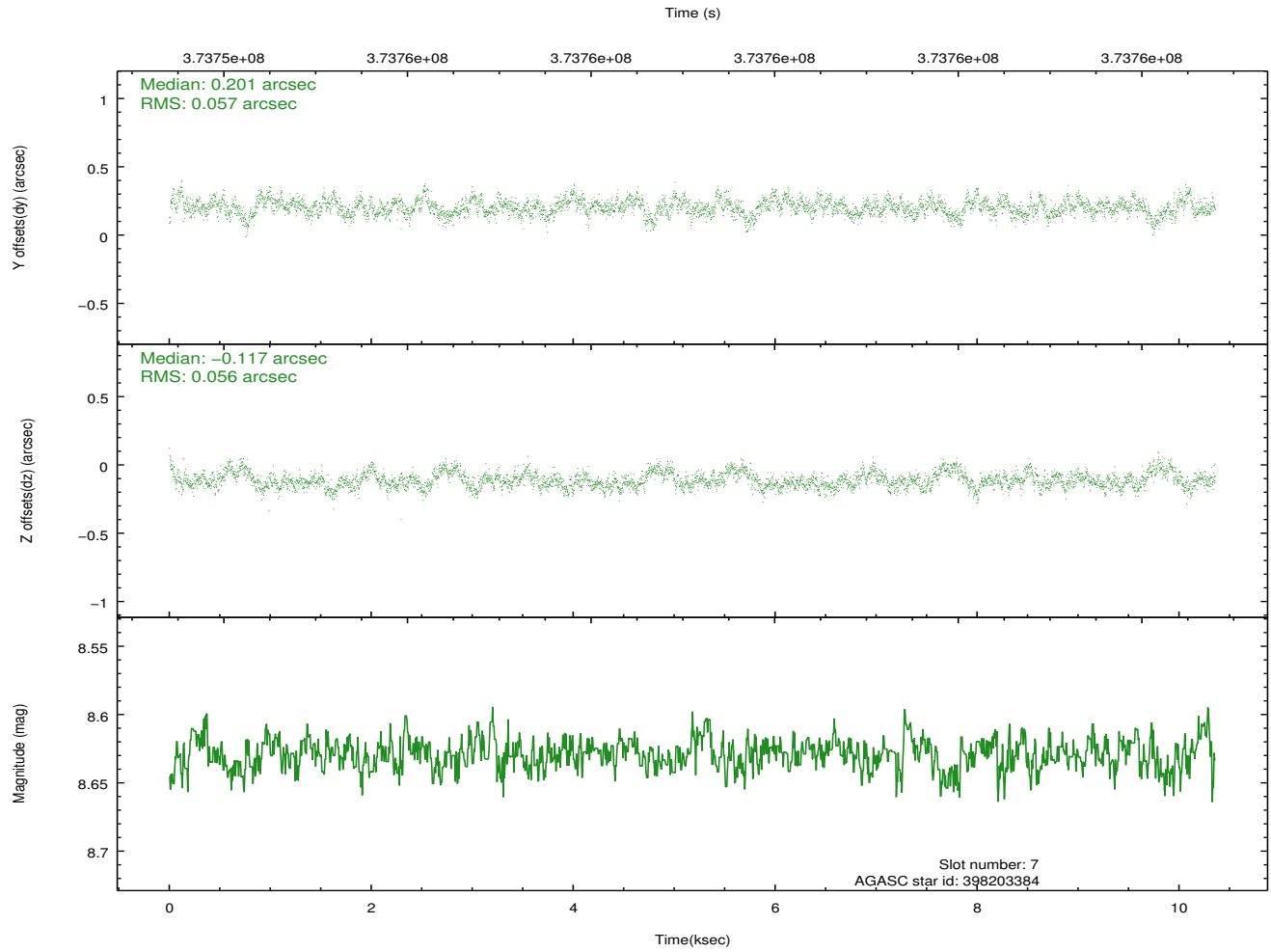
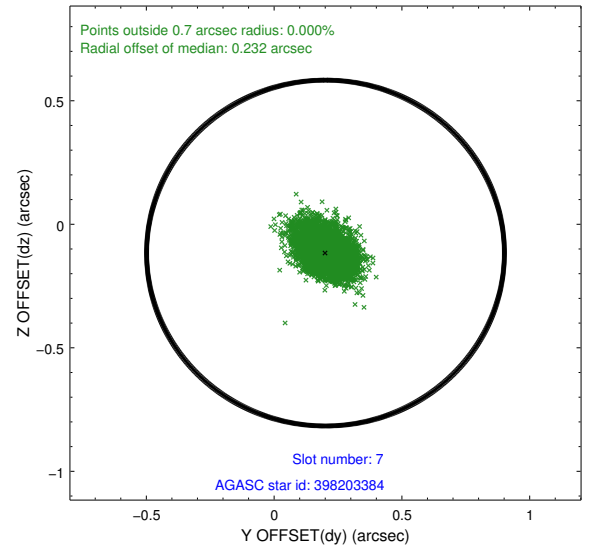
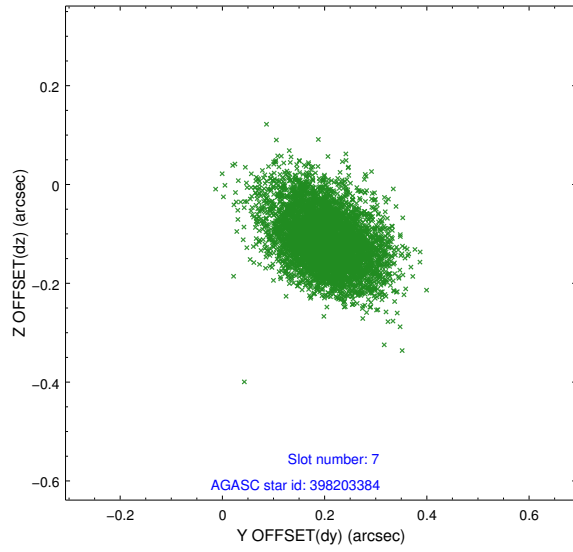
2.4.3 Slot 5



2.4.4 Slot 6

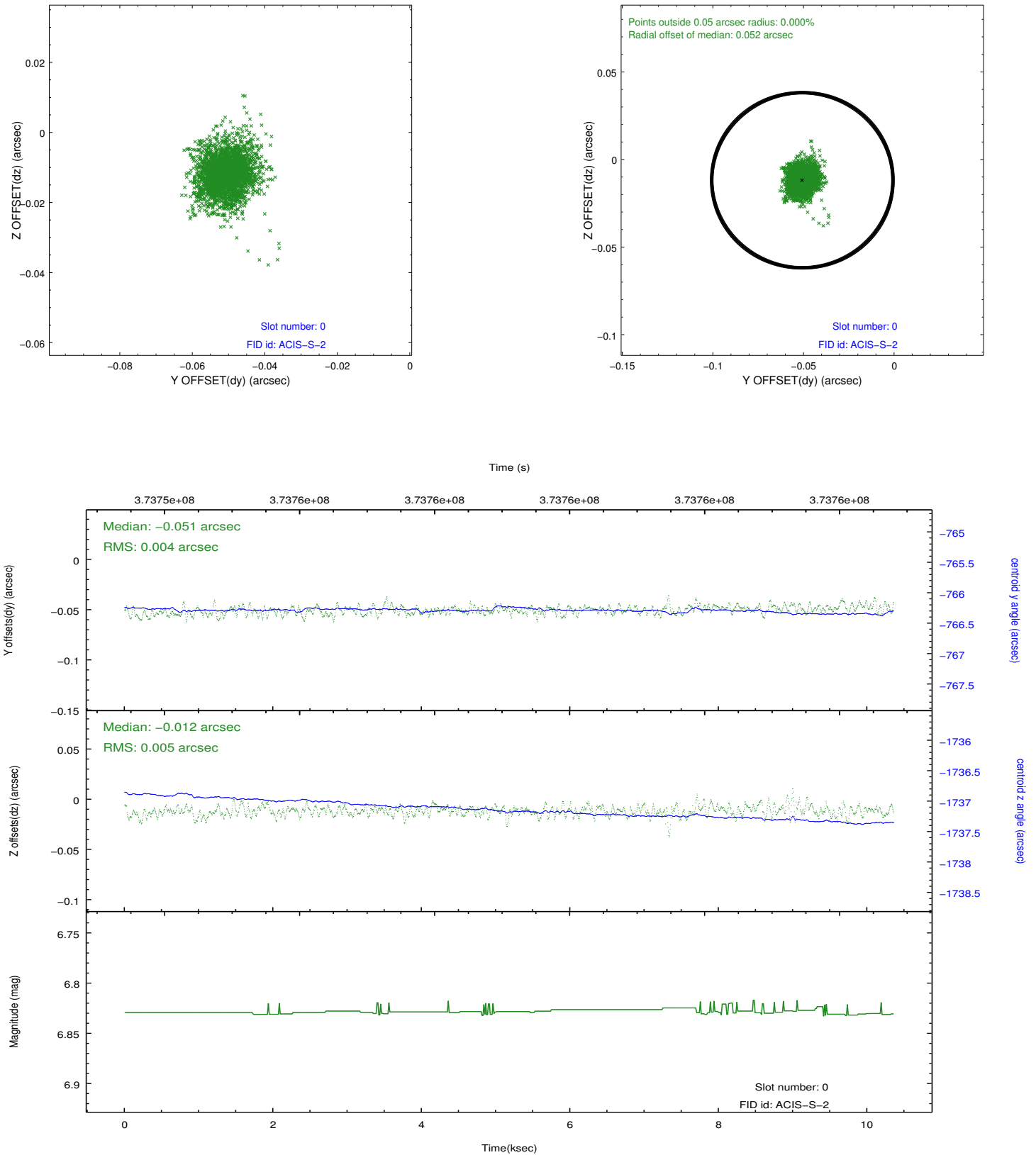


2.4.5 Slot 7

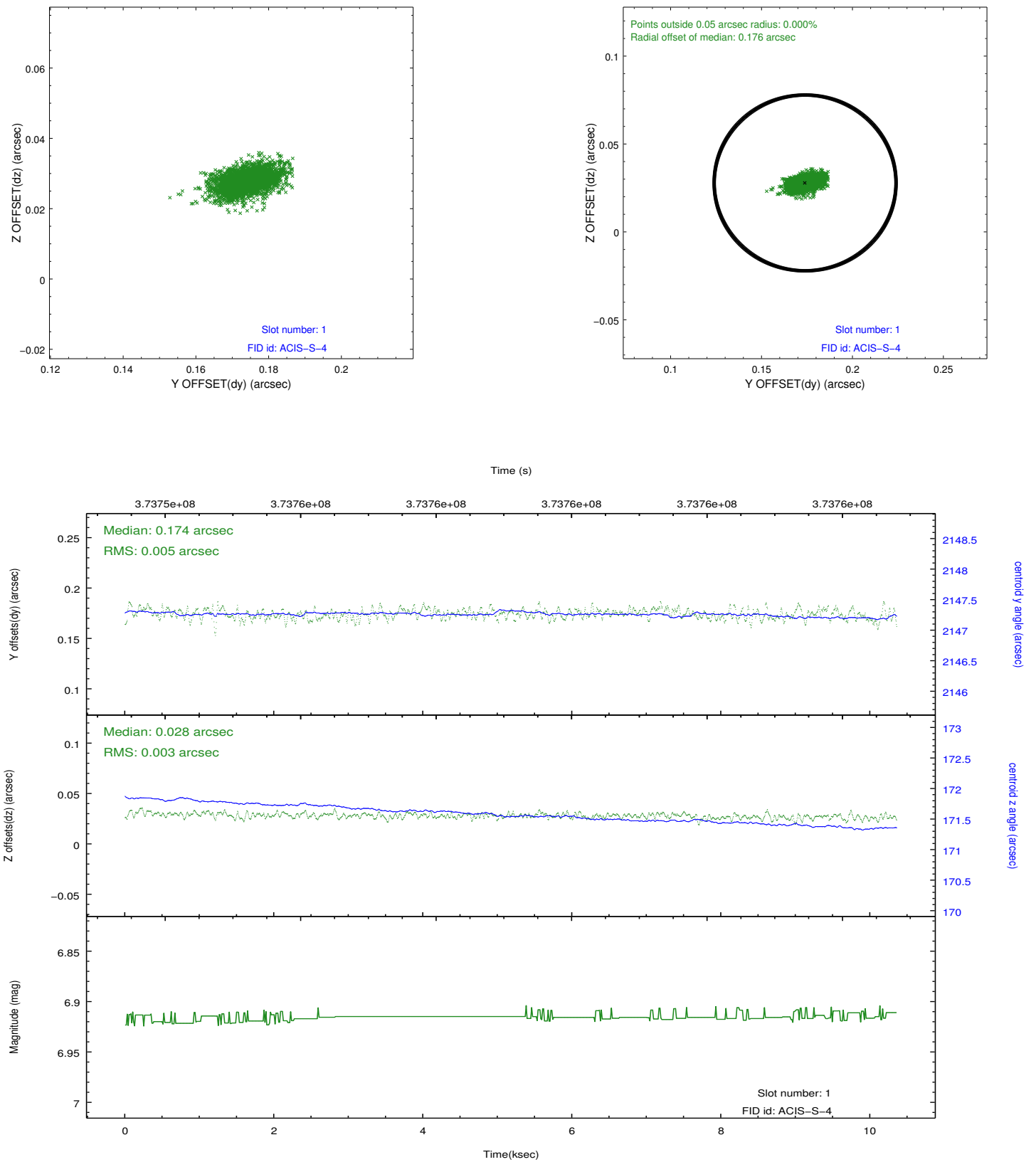


2.5 FID Slots

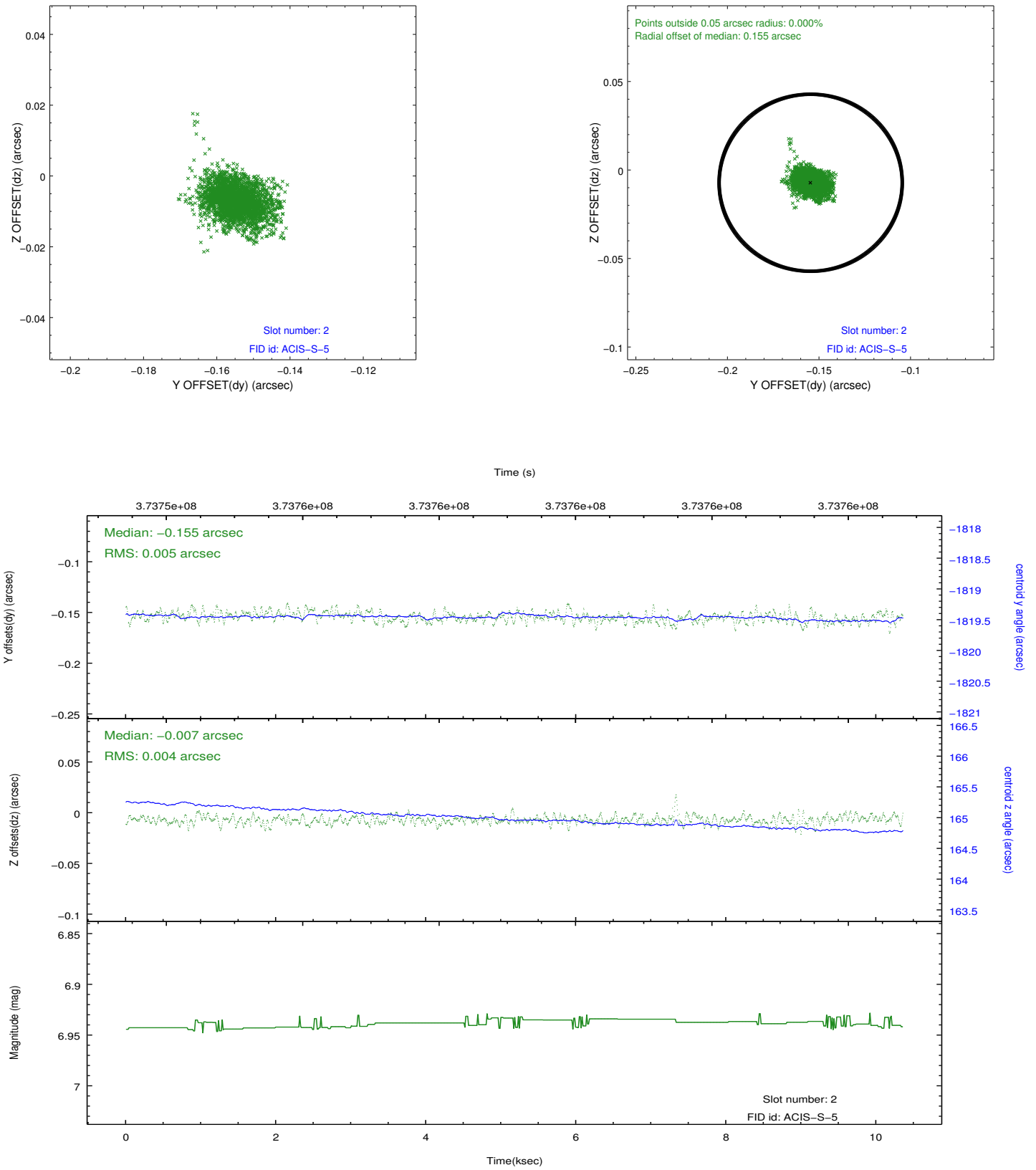
2.5.1 Slot 0



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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.6991999639273

A.2 Comments