

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10548 - L2 Version 2
Chandra X-Ray Center

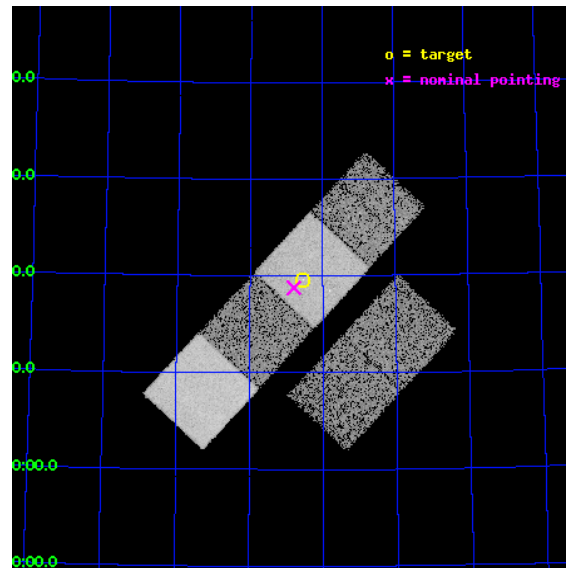
L2 Processing Date : Jun 8 2012

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1 Front

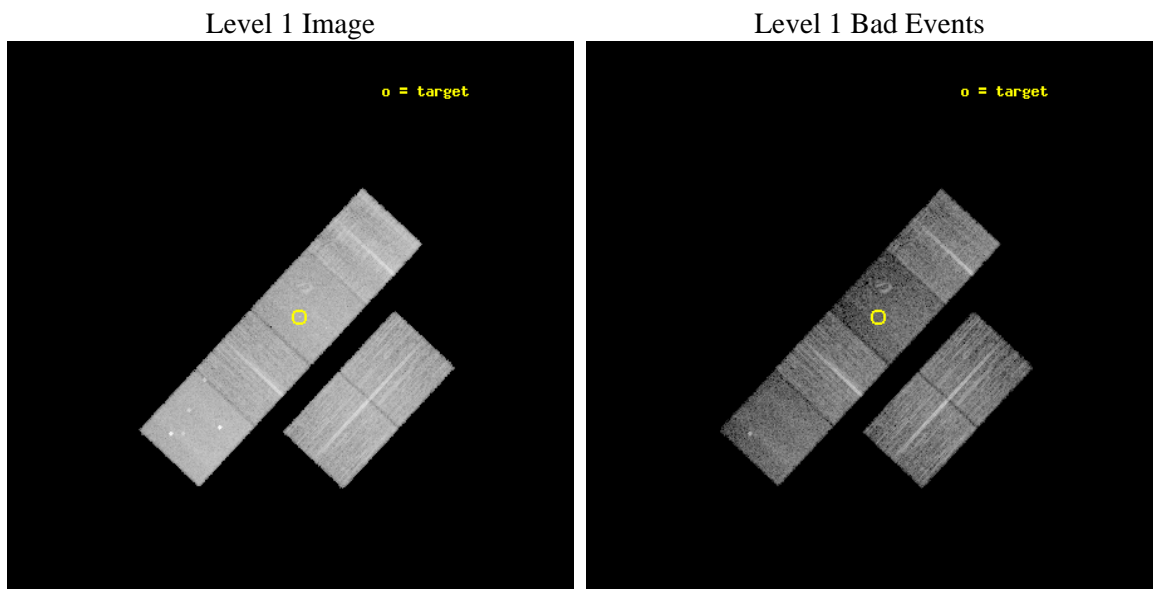
seq_num	600741	Sequence number
obs_id	10548	Observation id
title	A Chandra Study of Field Early-Type Galaxies	Proposal title
observer	Dr. John Mulchaey	Principal investigator
object	NGC 2314	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	107.635833	Observer's specified target RA [deg]
dec_targ	75.326667	Observer's specified target Dec [deg]
ra_nom	107.69890833065	Nominal RA [deg]
dec_nom	75.313087768938	Nominal Dec [deg]
roll_nom	312.89812080558	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10185.599962115	Sum of GTIs [s]
livetime	10056.623762363	Livetime [s]
ontime2	10182.359001875	Sum of GTIs [s]
ontime3	10182.359121203	Sum of GTIs [s]
ontime5	10185.599962115	Sum of GTIs [s]
ontime6	10182.358892202	Sum of GTIs [s]
ontime7	10185.599962115	Sum of GTIs [s]
ontime8	10185.599962115	Sum of GTIs [s]
l2events	119164	Number of level 2 events



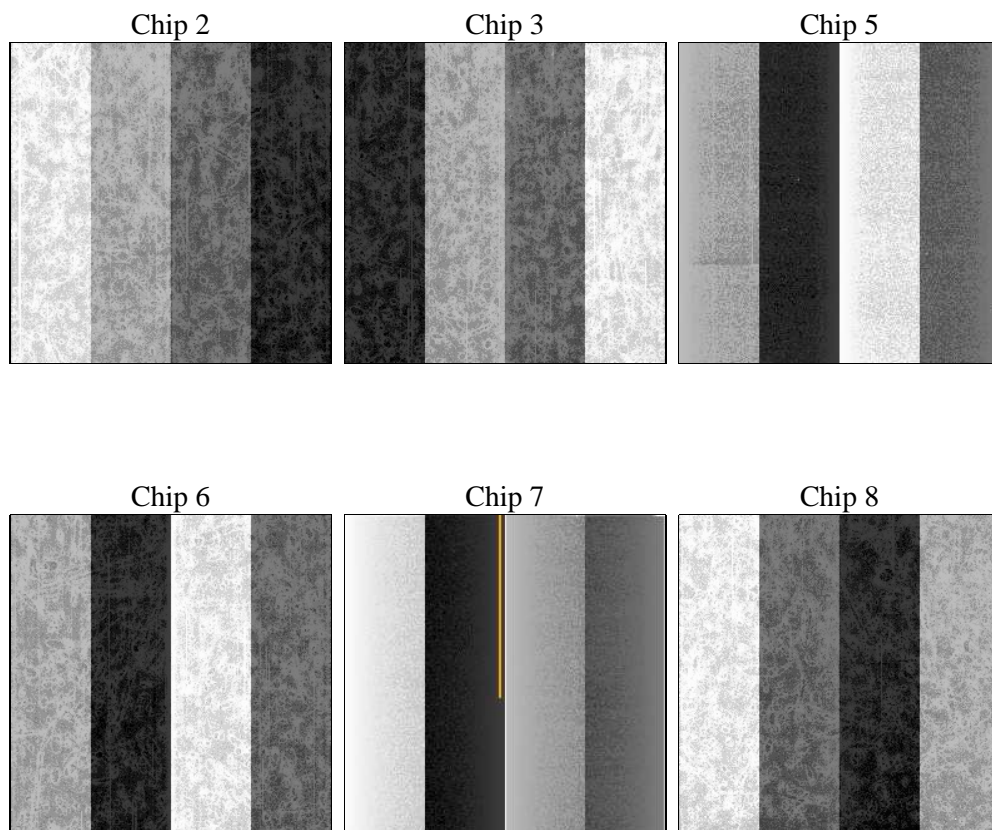
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10185.599962115	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	10182.359001875	Sum of GTIs [s]
date	2012-06-08T06:16:23	Date and time of file creation	ontime3	10182.359121203	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10185.599962115	Sum of GTIs [s]
			ontime6	10182.358892202	Sum of GTIs [s]
			ontime7	10185.599962115	Sum of GTIs [s]
			ontime8	10185.599962115	Sum of GTIs [s]
			l1events	564749	Number of level 1 events

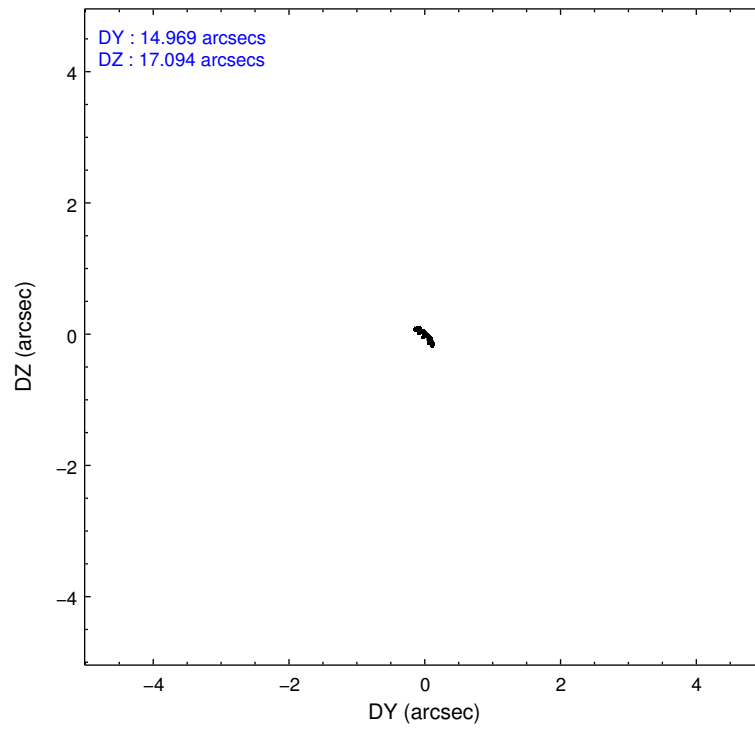
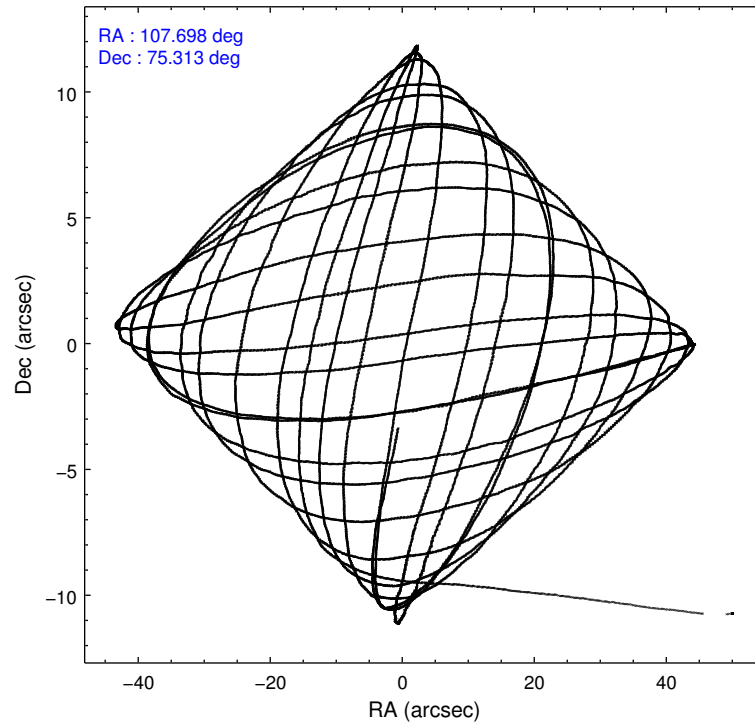
2.1.4 Events

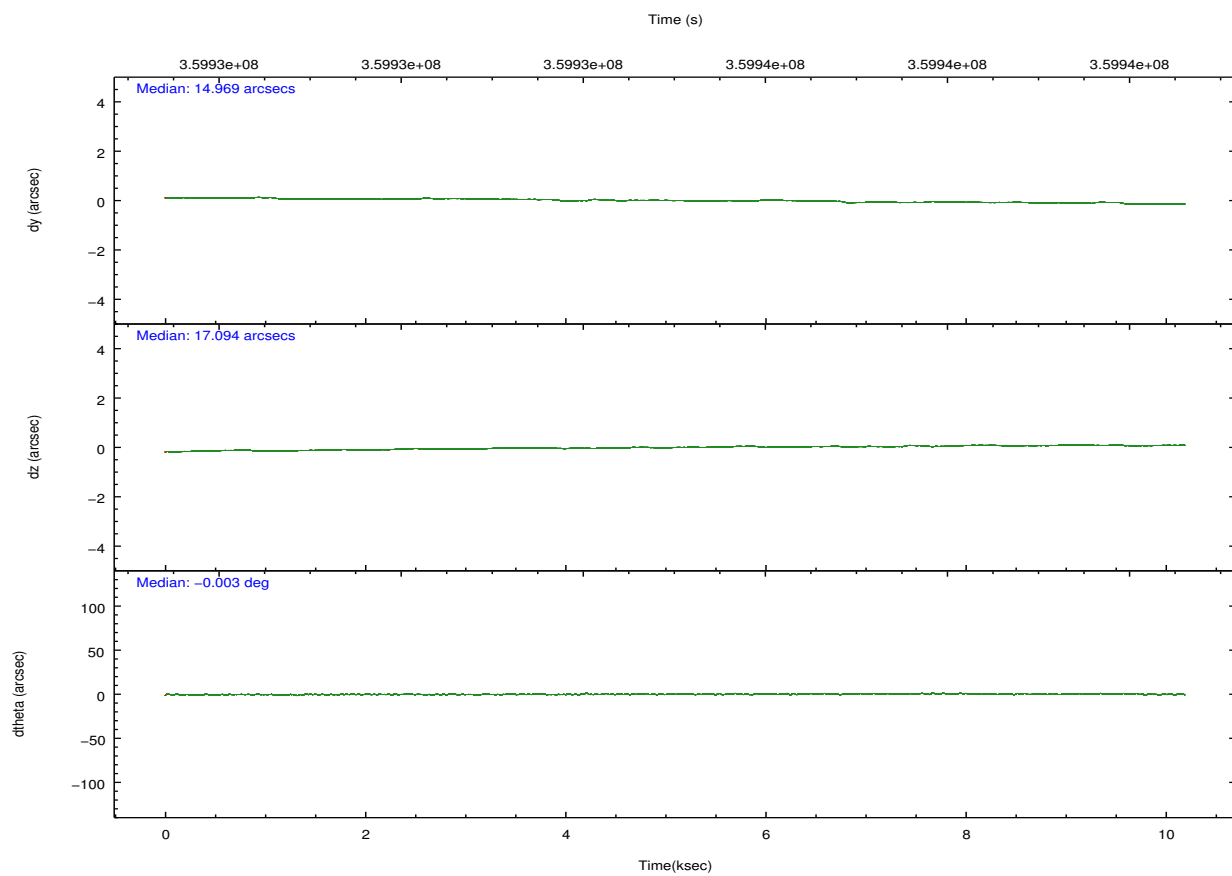
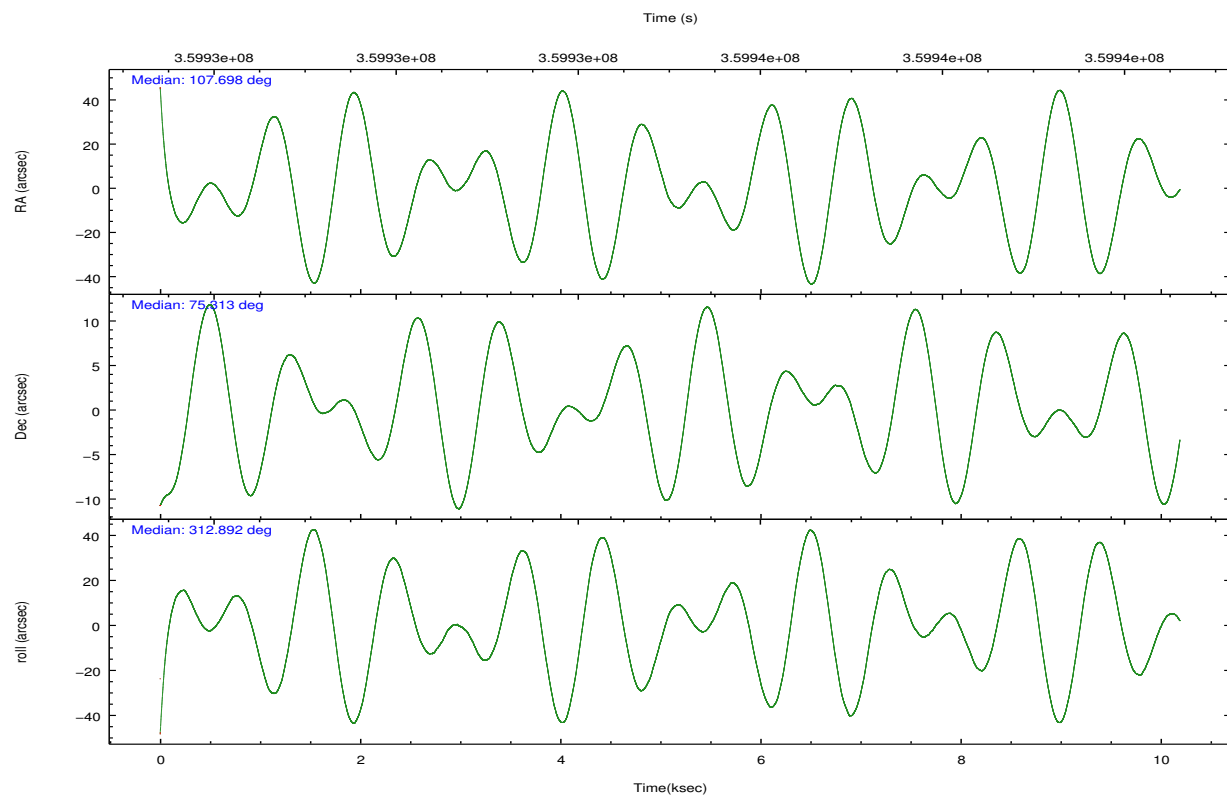
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	92629	82586	111488	86163	84246	107637	grade 0 events	3223	2784	6647	3342	4166	7935
rejected events	84490	75083	54276	77643	44276	80280		3%	3%	5%	3%	4%	7%
rejected %	91%	90%	48%	90%	52%	74%	grade 1 events	49	48	276	54	135	85
								0%	0%	0%	0%	0%	0%
							grade 2 events	2019	1752	18584	1960	8940	6359
								2%	2%	16%	2%	10%	5%
							grade 3 events	820	881	2414	919	3868	3190
								0%	1%	2%	1%	4%	2%
							grade 4 events	910	907	2451	886	3719	3003
								0%	1%	2%	1%	4%	2%
							grade 5 events	2488	2933	8934	2925	8892	4574
								2%	3%	8%	3%	10%	4%
							grade 6 events	1446	1448	29265	1735	20673	7717
								1%	1%	26%	2%	24%	7%
							grade 7 events	81674	71833	42917	74342	33853	74774
								88%	86%	38%	86%	40%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	107.595397	107.698908330652	CCD I2 on	O3	Y
[deg] Pointing Dec	75.320782	75.31308776893786	CCD I3 on	O4	Y
[deg] Pointing Roll	312.841639	312.8981208055782	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	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	O5	Y
[s] Observation start time (MET)	359930107.184000	359928848.98212	CCD S5 on	N	N
Observation start date	2009-05-28T20:34:01	2009-05-28T20:14:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	359940107.184000	359941350.39525	On-chip summing requested	N	N
Observation end date	2009-05-28T23:20:41	2009-05-28T23:42:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



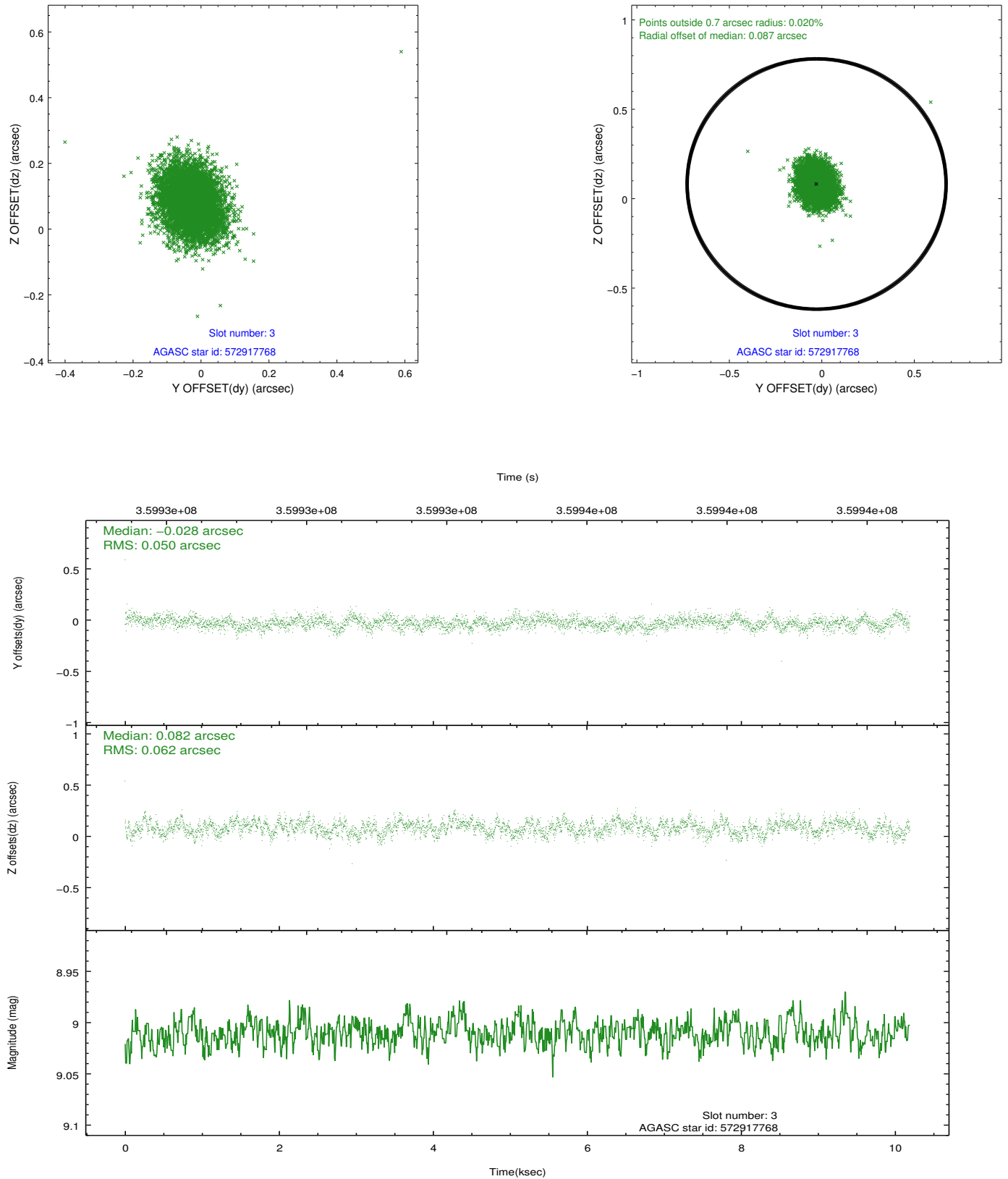


Slot Statistics

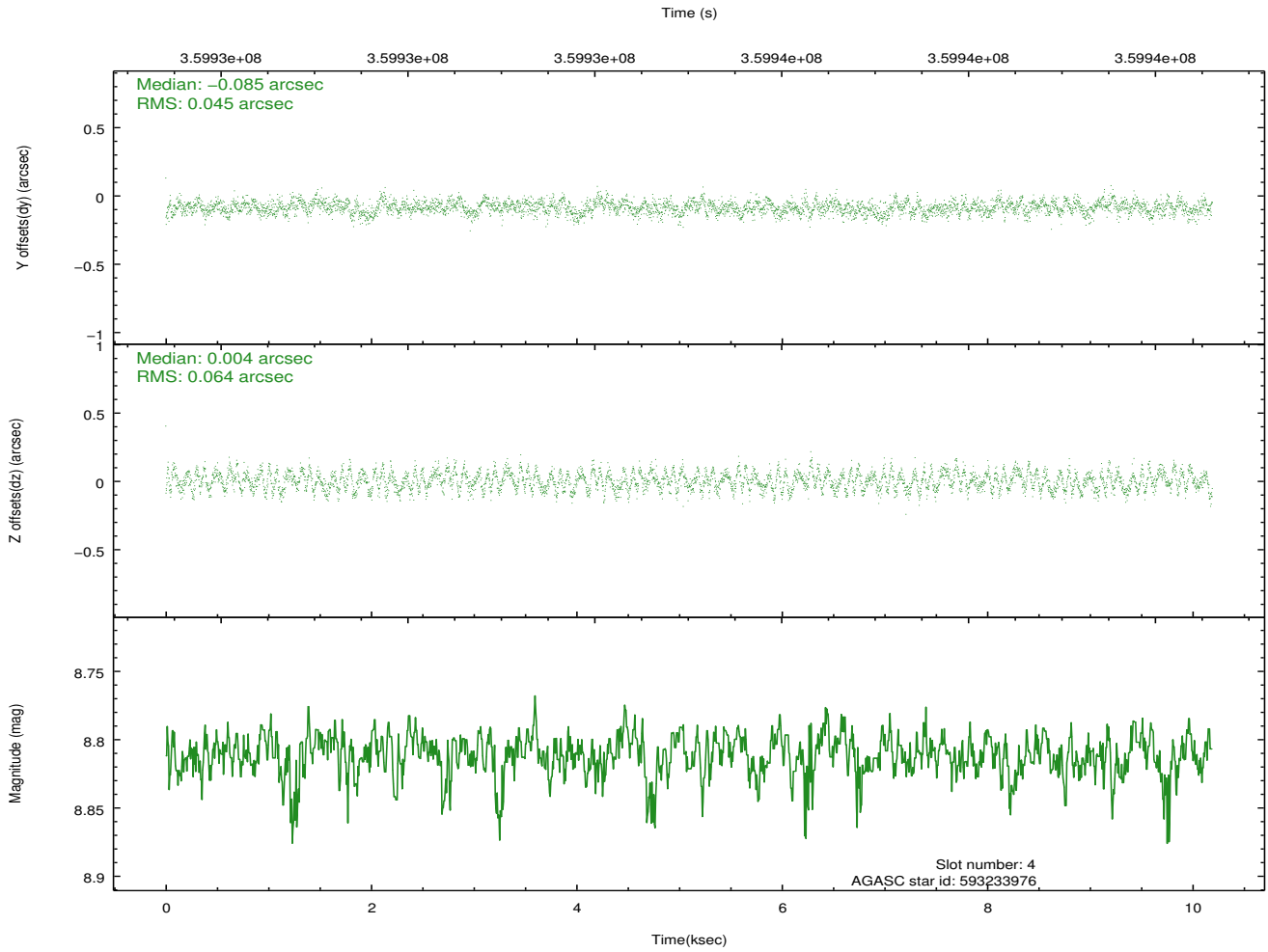
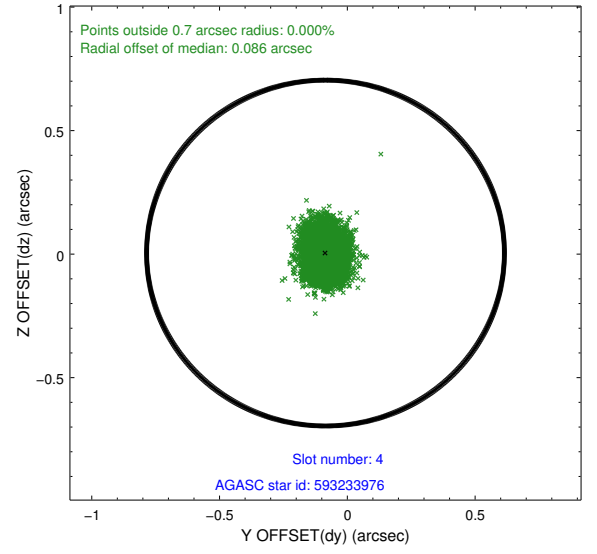
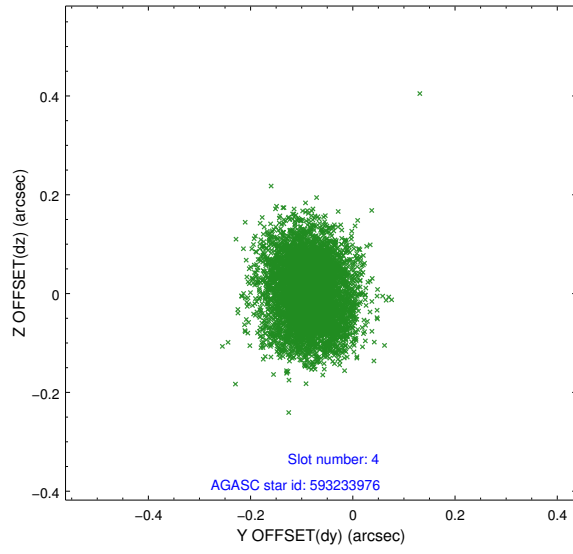
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	2486	-0.063	-0.028	0.007	0.012	0.000000	0.000000	-768.04	-1738.53
1	FID	ACIS-S-4	6.96	2486	0.175	0.038	0.006	0.010	0.000000	0.000000	2145.28	169.42
2	FID	ACIS-S-5	6.99	2485	-0.143	-0.002	0.008	0.013	0.000000	0.000000	-1820.26	163.73
3	GUIDE	572917768	9.01	4969	-0.028	0.082	0.084	0.134	106.506771	74.804147	658.93	-2010.89
4	GUIDE	593233976	8.81	4971	-0.085	0.004	0.084	0.132	109.446401	75.588987	400.99	1889.63
5	GUIDE	593242928	7.71	4971	0.012	0.030	0.055	0.088	105.166051	75.419262	-1789.14	-1341.55
6	GUIDE	593248360	8.03	4971	-0.087	0.026	0.067	0.105	104.612136	75.198165	-1592.09	-2264.31
7	GUIDE	593249272	8.53	4968	0.194	-0.140	0.076	0.121	107.160494	75.047388	446.23	-964.58

2.4 Star Slots

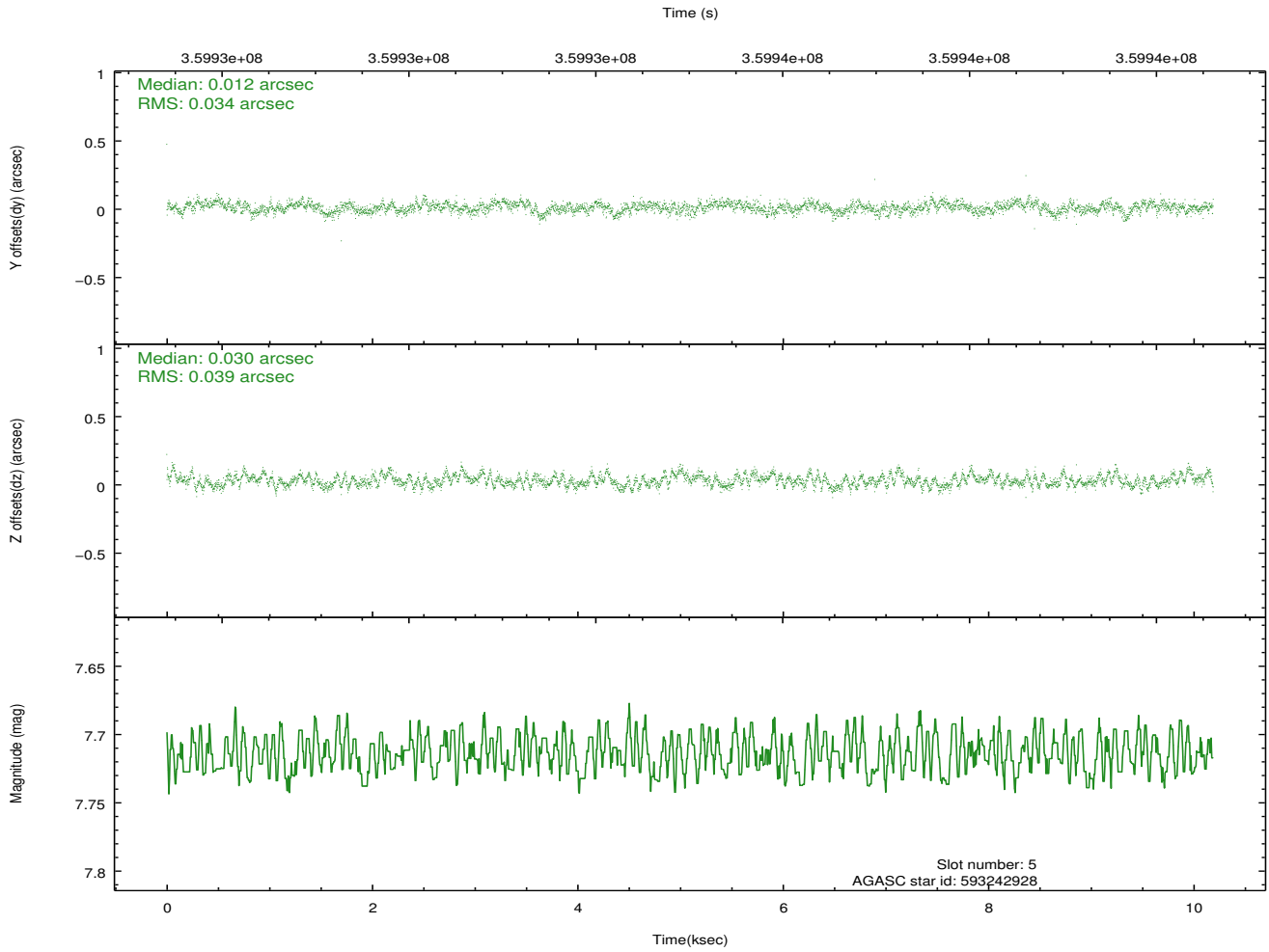
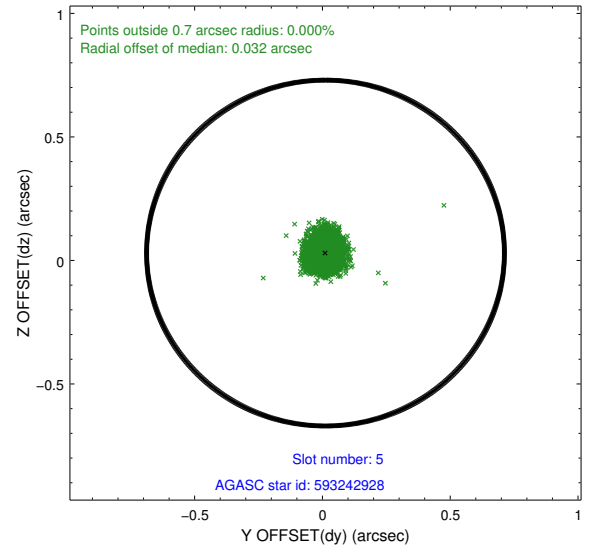
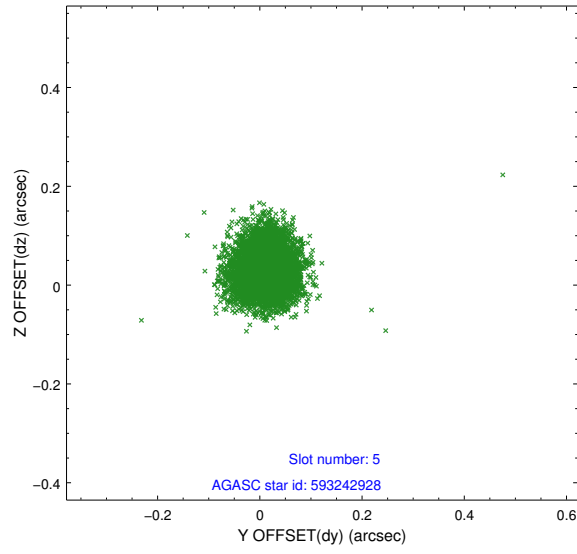
2.4.1 Slot 3



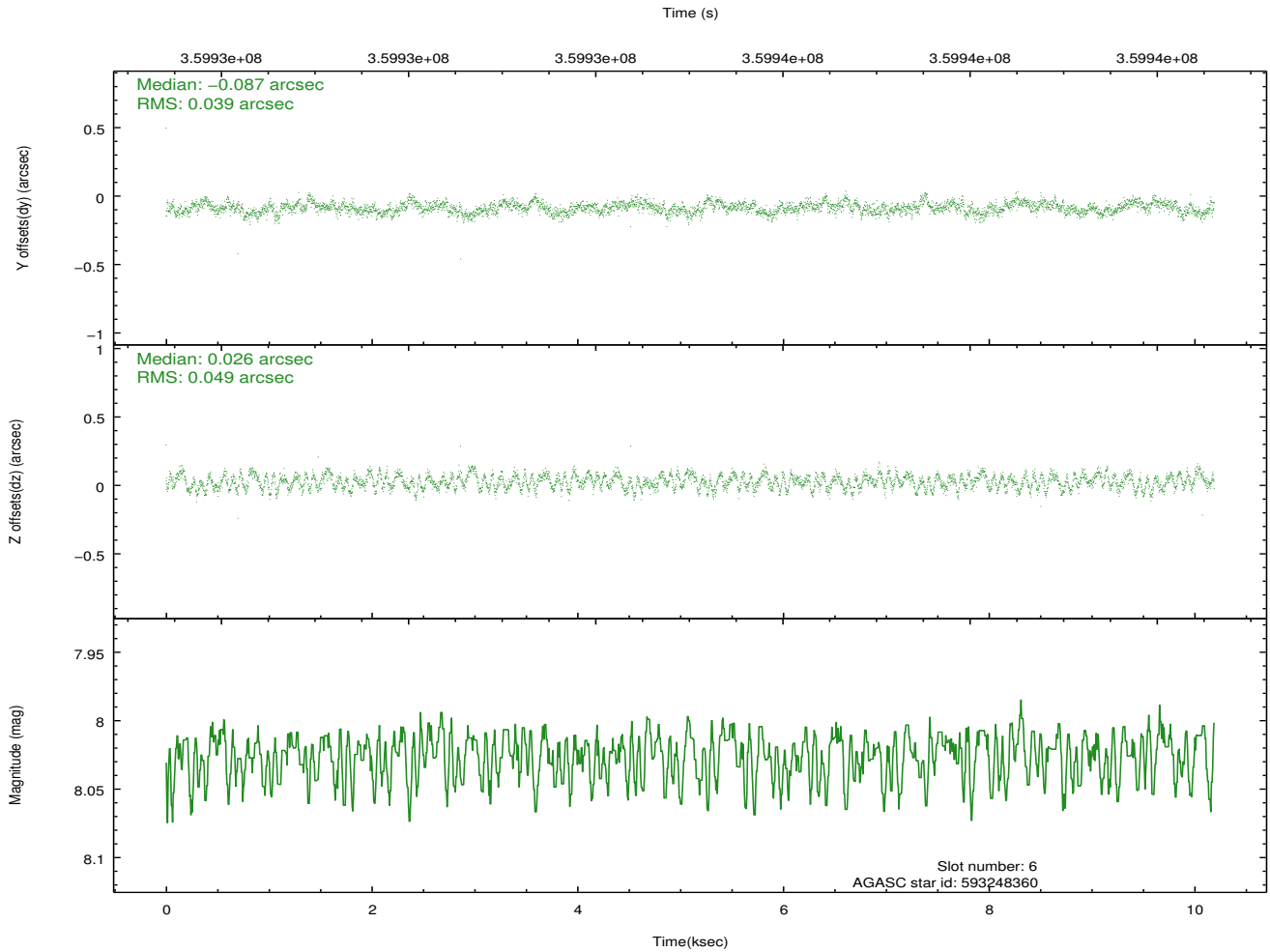
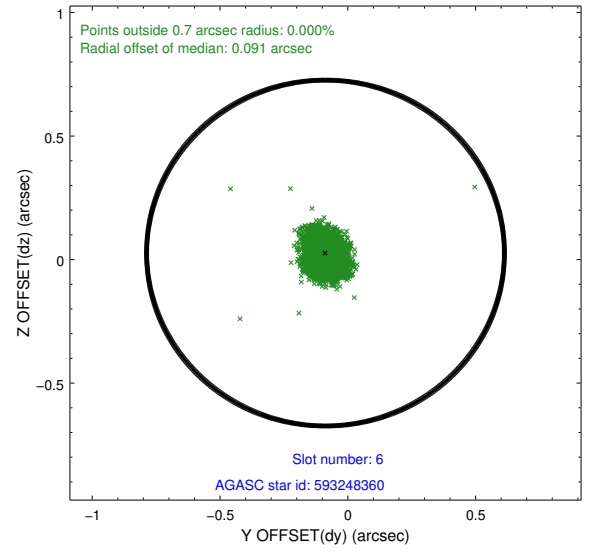
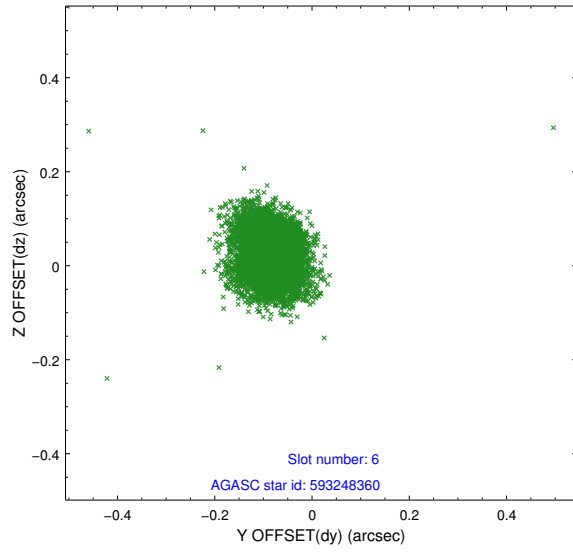
2.4.2 Slot 4



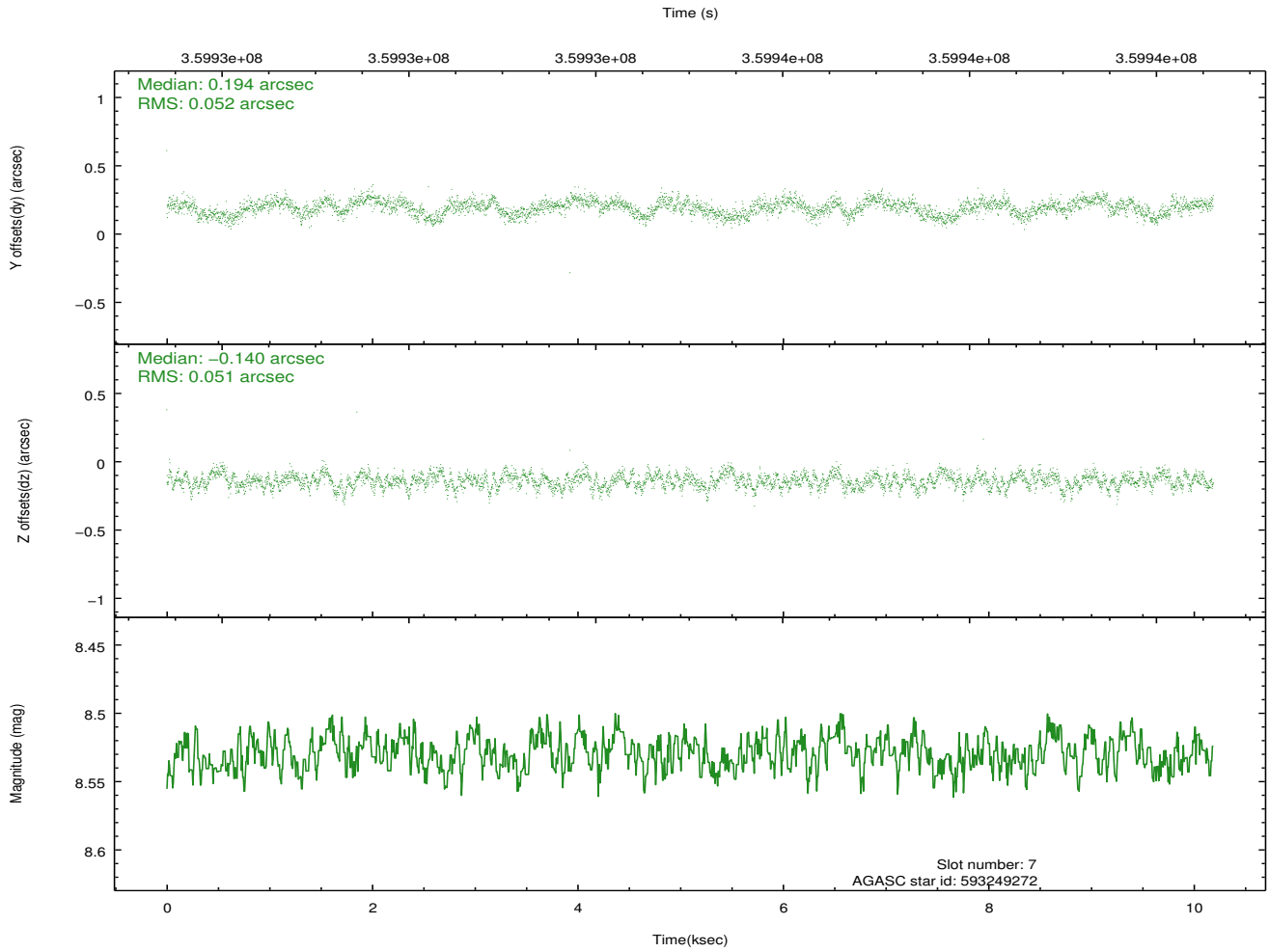
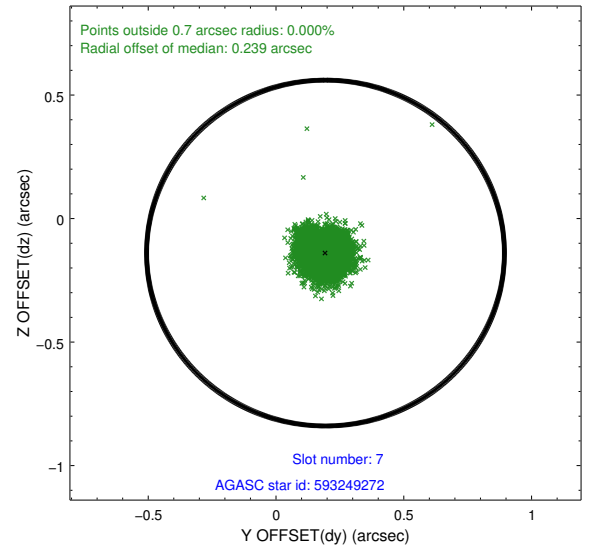
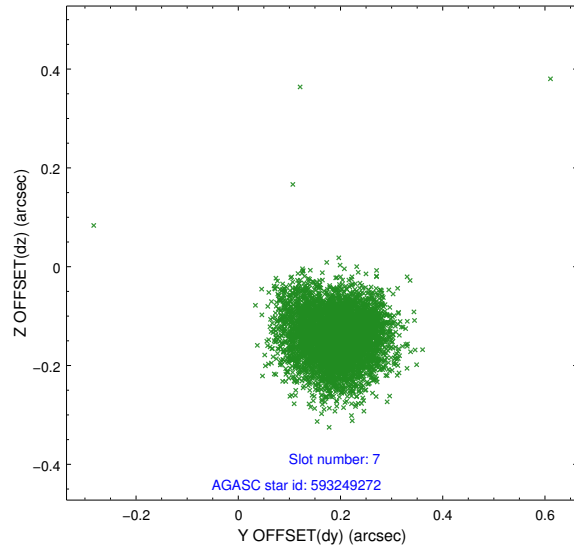
2.4.3 Slot 5



2.4.4 Slot 6

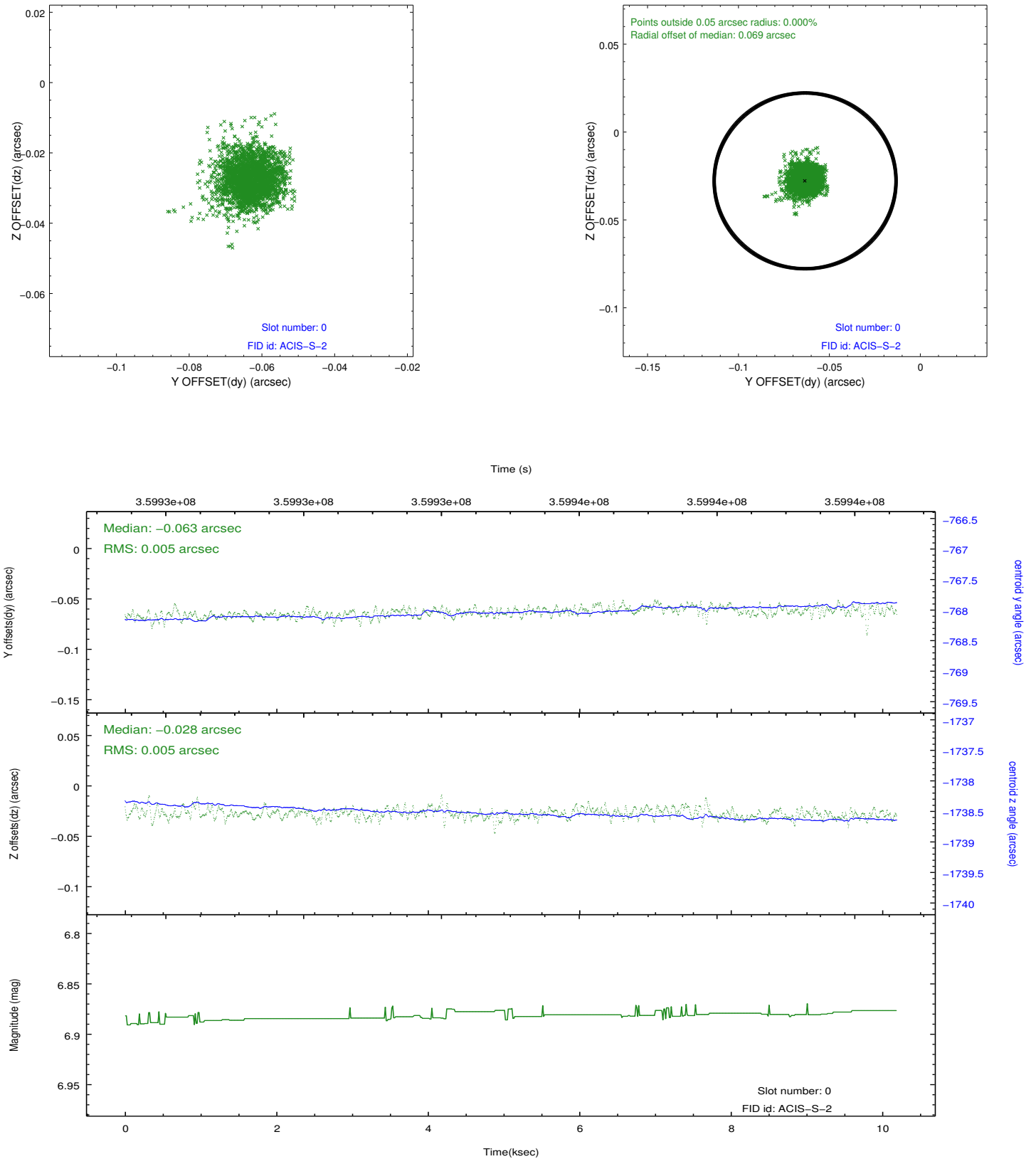


2.4.5 Slot 7

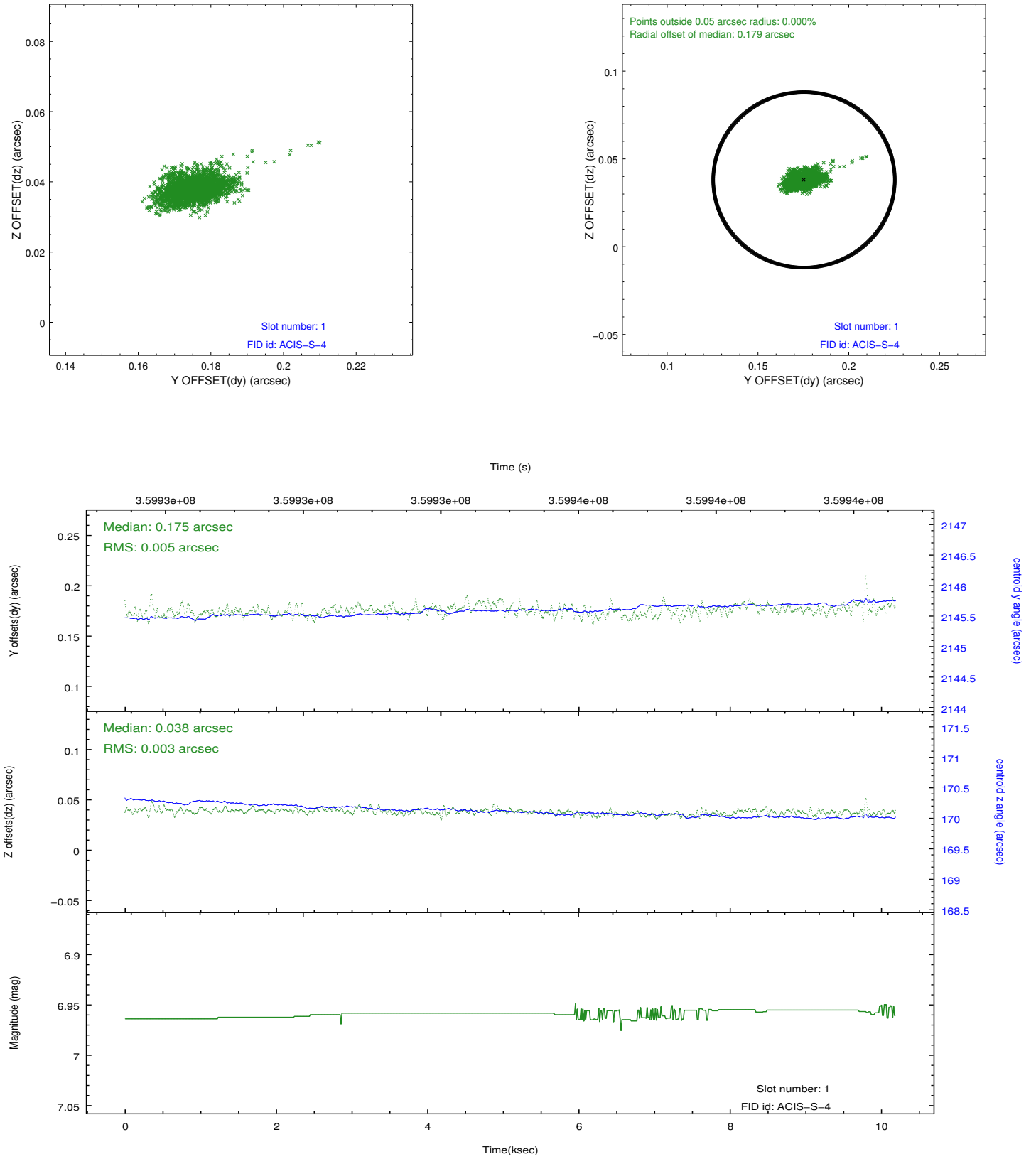


2.5 FID Slots

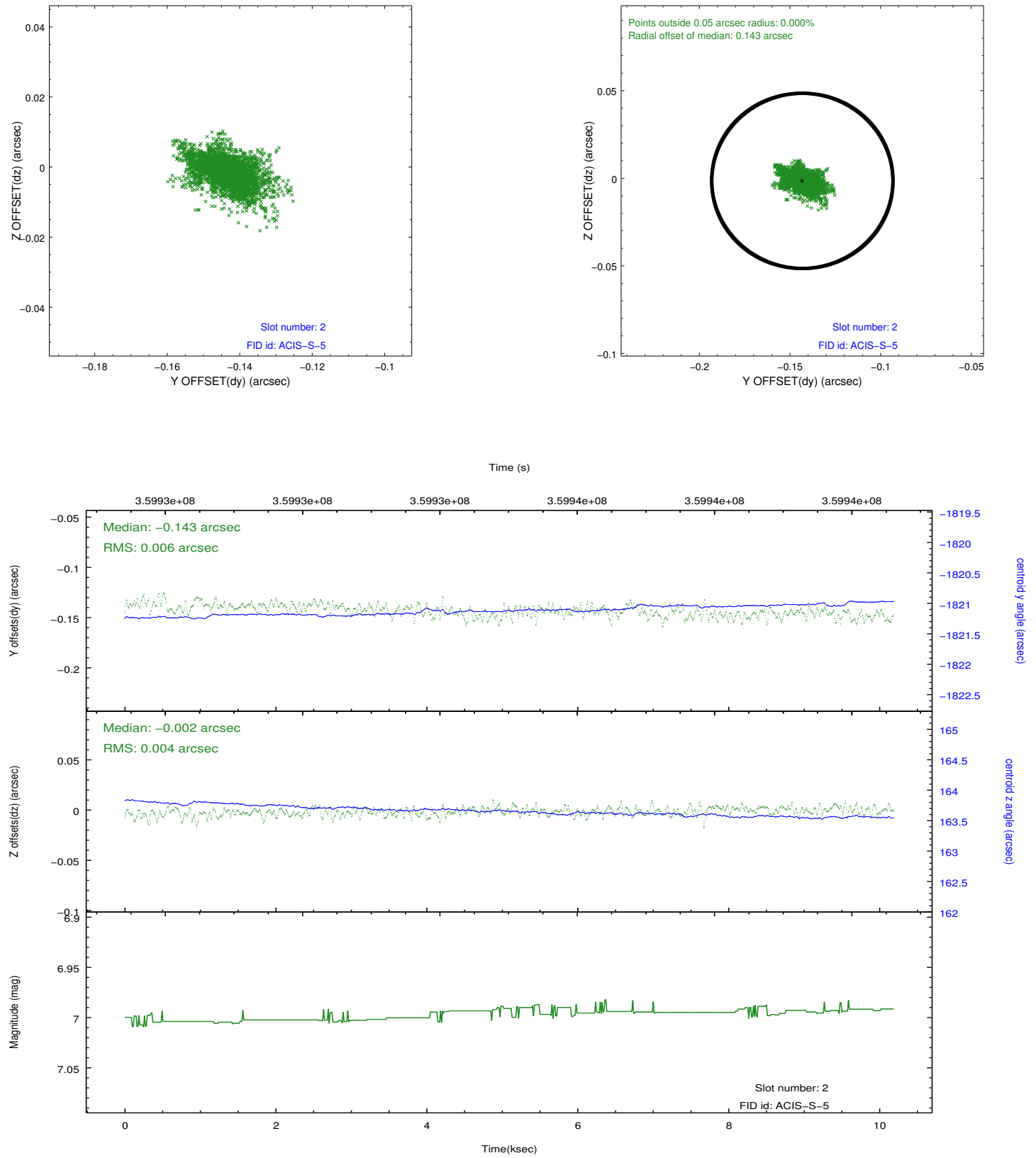
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1855999

A.2 Comments