

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9605 - L2 Version 2
Chandra X-Ray Center

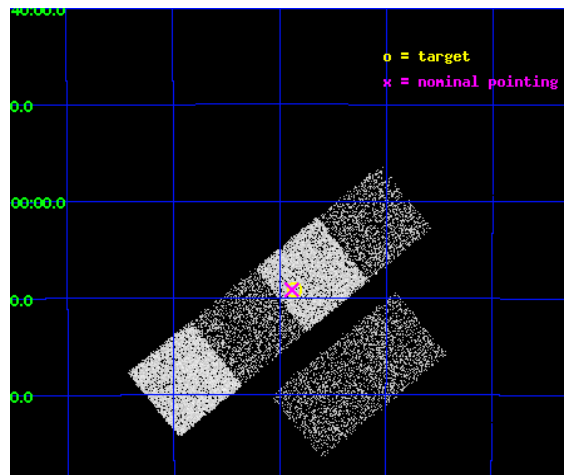
L2 Processing Date : May 16 2012

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1 Front

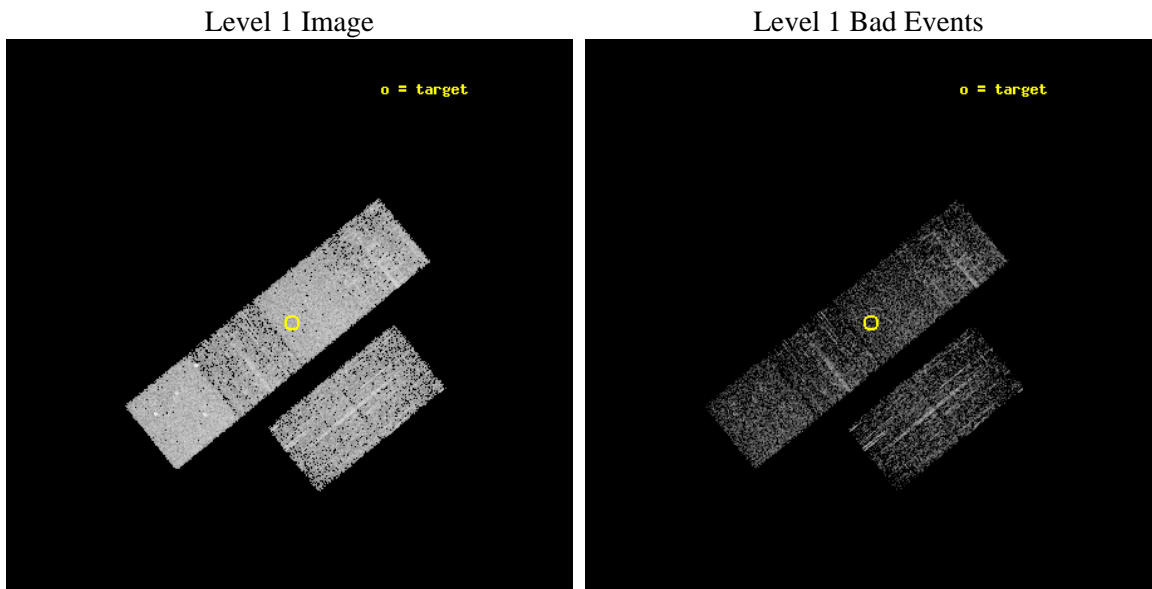
seq_num	900847	Sequence number
obs_id	9605	Observation id
title	GTO ChICAGO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J165951-4209	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.965	Observer's specified target RA [deg]
dec_targ	-42.152	Observer's specified target Dec [deg]
ra_nom	254.97170949713	Nominal RA [deg]
dec_nom	-42.152742519861	Nominal Dec [deg]
roll_nom	320.79354010171	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1555.199994266	Sum of GTIs [s]
livetime	1535.5071155096	Livetime [s]
ontime2	1555.199994266	Sum of GTIs [s]
ontime3	1555.199994266	Sum of GTIs [s]
ontime5	1555.199994266	Sum of GTIs [s]
ontime6	1555.199994266	Sum of GTIs [s]
ontime7	1555.199994266	Sum of GTIs [s]
ontime8	1555.199994266	Sum of GTIs [s]
l2events	25515	Number of level 2 events



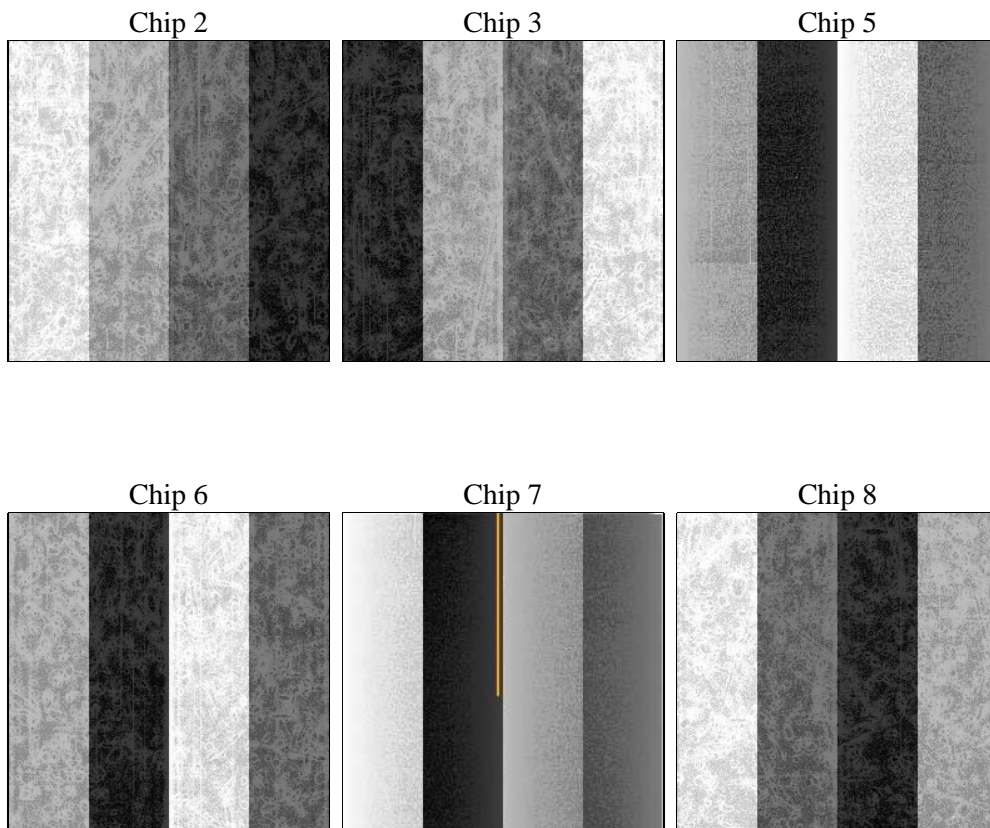
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1555.199994266	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1555.199994266	Sum of GTIs [s]
date	2012-05-17T02:00:53	Date and time of file creation	ontime3	1555.199994266	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1555.199994266	Sum of GTIs [s]
			ontime6	1555.199994266	Sum of GTIs [s]
			ontime7	1555.199994266	Sum of GTIs [s]
			ontime8	1555.199994266	Sum of GTIs [s]
			l1events	105980	Number of level 1 events

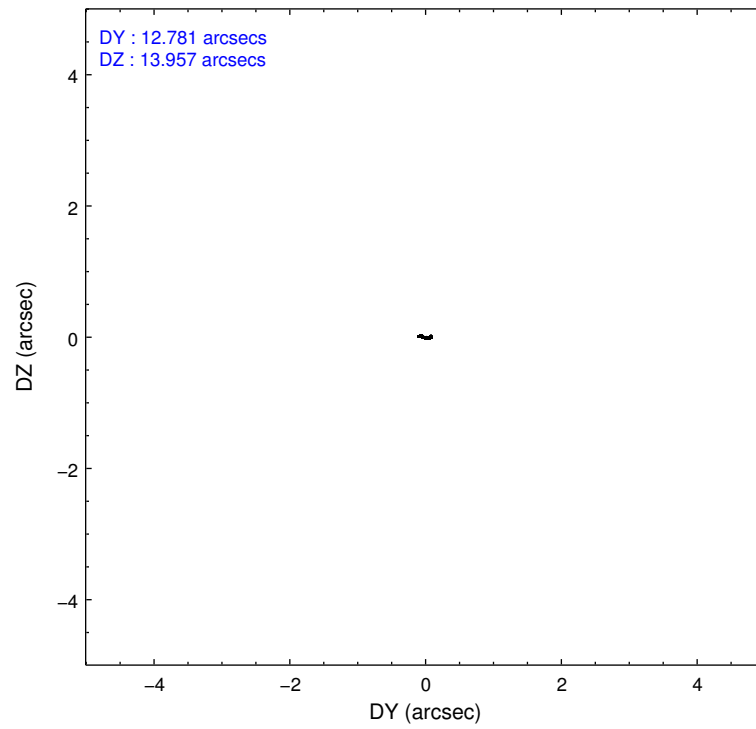
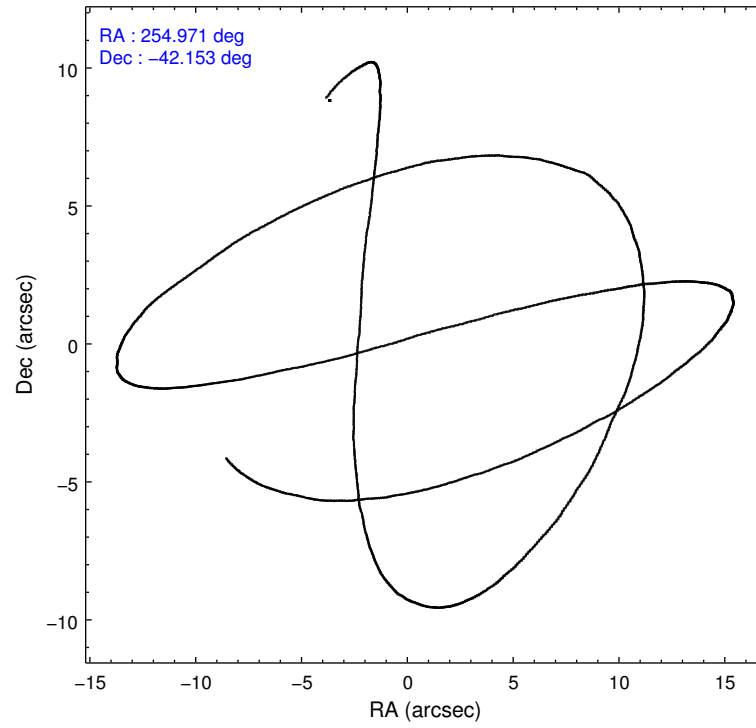
2.1.4 Events

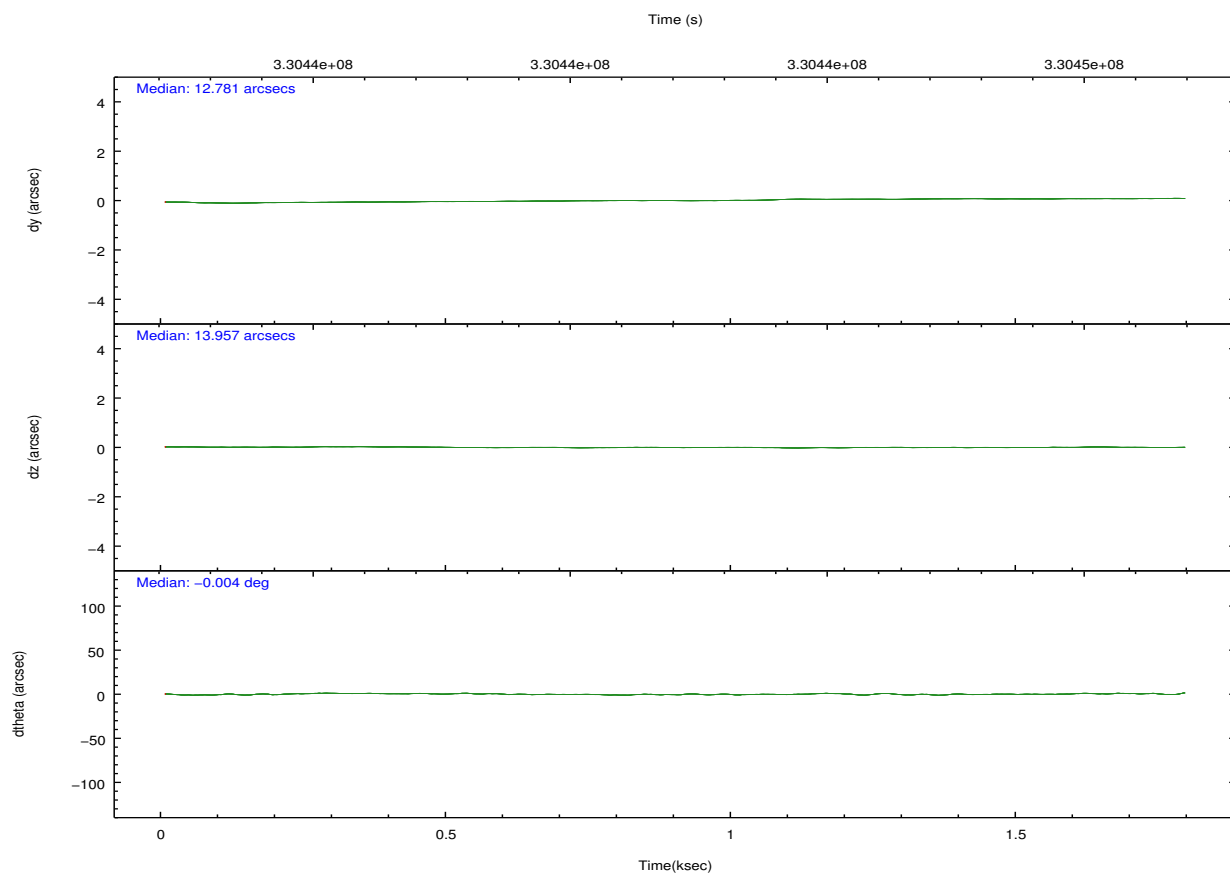
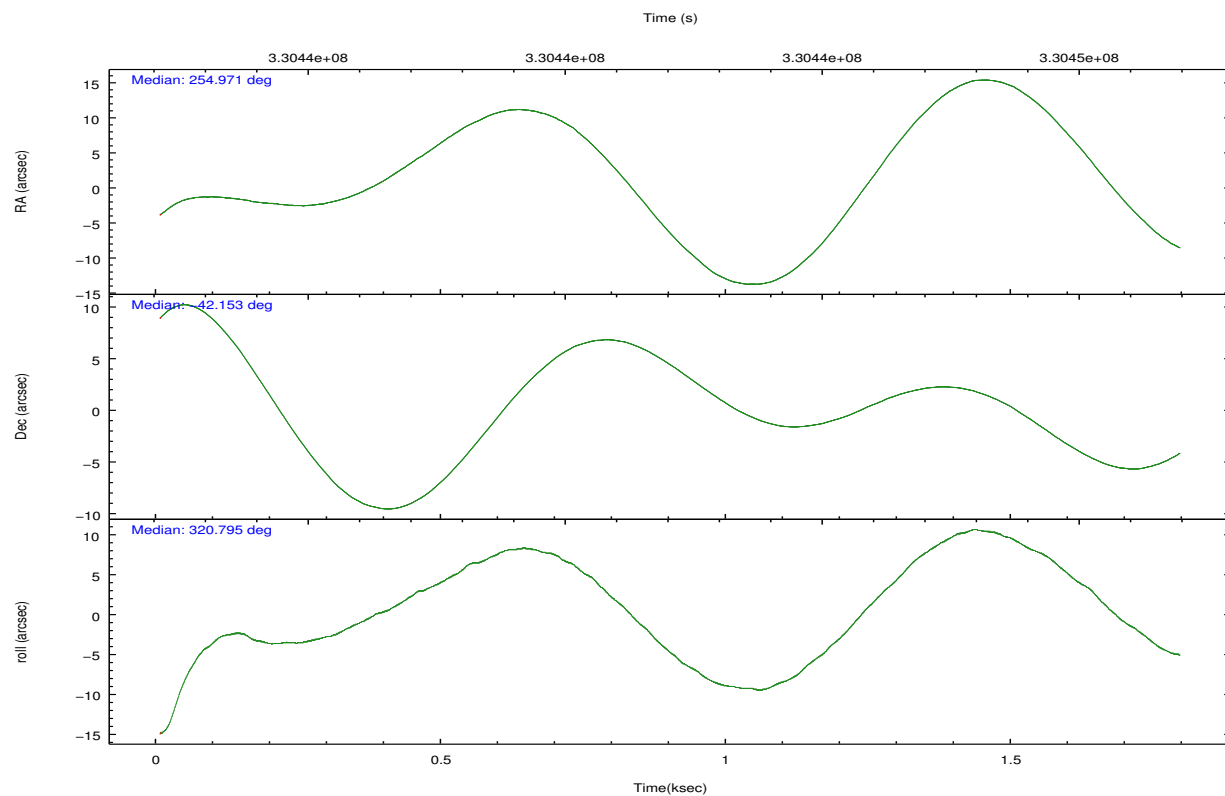
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14655	13859	23885	14085	21008	18488	grade 0 events	796	812	1127	782	719	1527
rejected events	12880	12064	12734	12140	12176	14244		5%	5%	4%	5%	3%	8%
rejected %	87%	87%	53%	86%	57%	77%	grade 1 events	10	11	42	10	25	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	380	383	3400	419	1842	954
								2%	2%	14%	2%	8%	5%
							grade 3 events	153	166	439	170	724	434
								1%	1%	1%	1%	3%	2%
							grade 4 events	166	163	361	184	728	386
								1%	1%	1%	1%	3%	2%
							grade 5 events	588	692	1681	694	2048	947
								4%	4%	7%	4%	9%	5%
							grade 6 events	294	279	5876	399	4855	963
								2%	2%	24%	2%	23%	5%
							grade 7 events	12268	11353	10959	11427	10067	13261
								83%	81%	45%	81%	47%	71%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	254.934999	254.9717094971301	CCD I2 on	O2	Y
[deg] Pointing Dec	-42.148621	-42.15274251986139	CCD I3 on	O3	Y
[deg] Pointing Roll	320.612299	320.7935401017093	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	O5	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	O4	Y
[s] Observation start time (MET)	330444007.184000	330443042.77825	CCD S5 on	N	N
Observation start date	2008-06-21T13:59:02	2008-06-21T13:44:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	330445607.184000	330447146.87845	On-chip summing requested	N	N
Observation end date	2008-06-21T14:25:42	2008-06-21T14:52:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



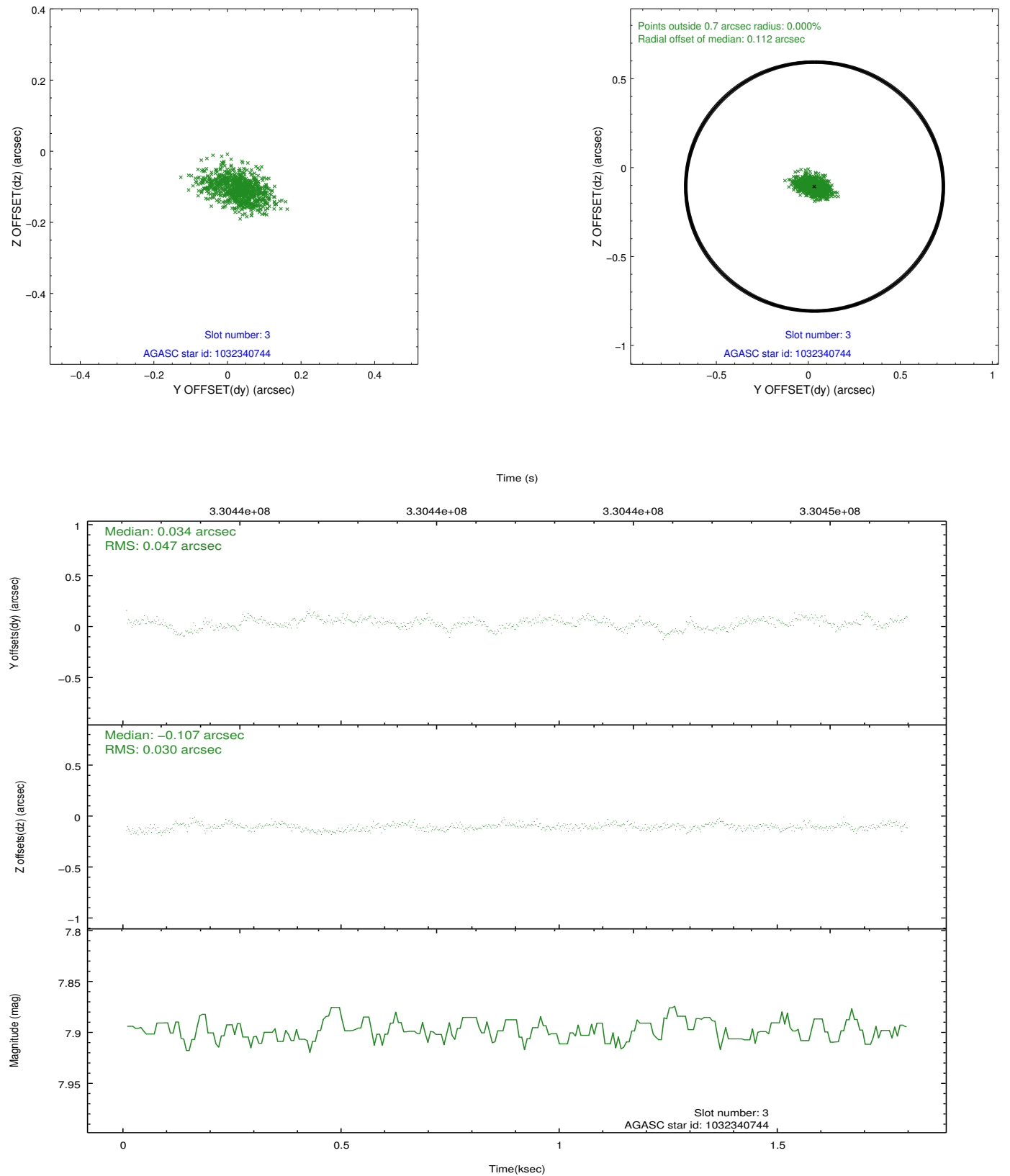


Slot Statistics

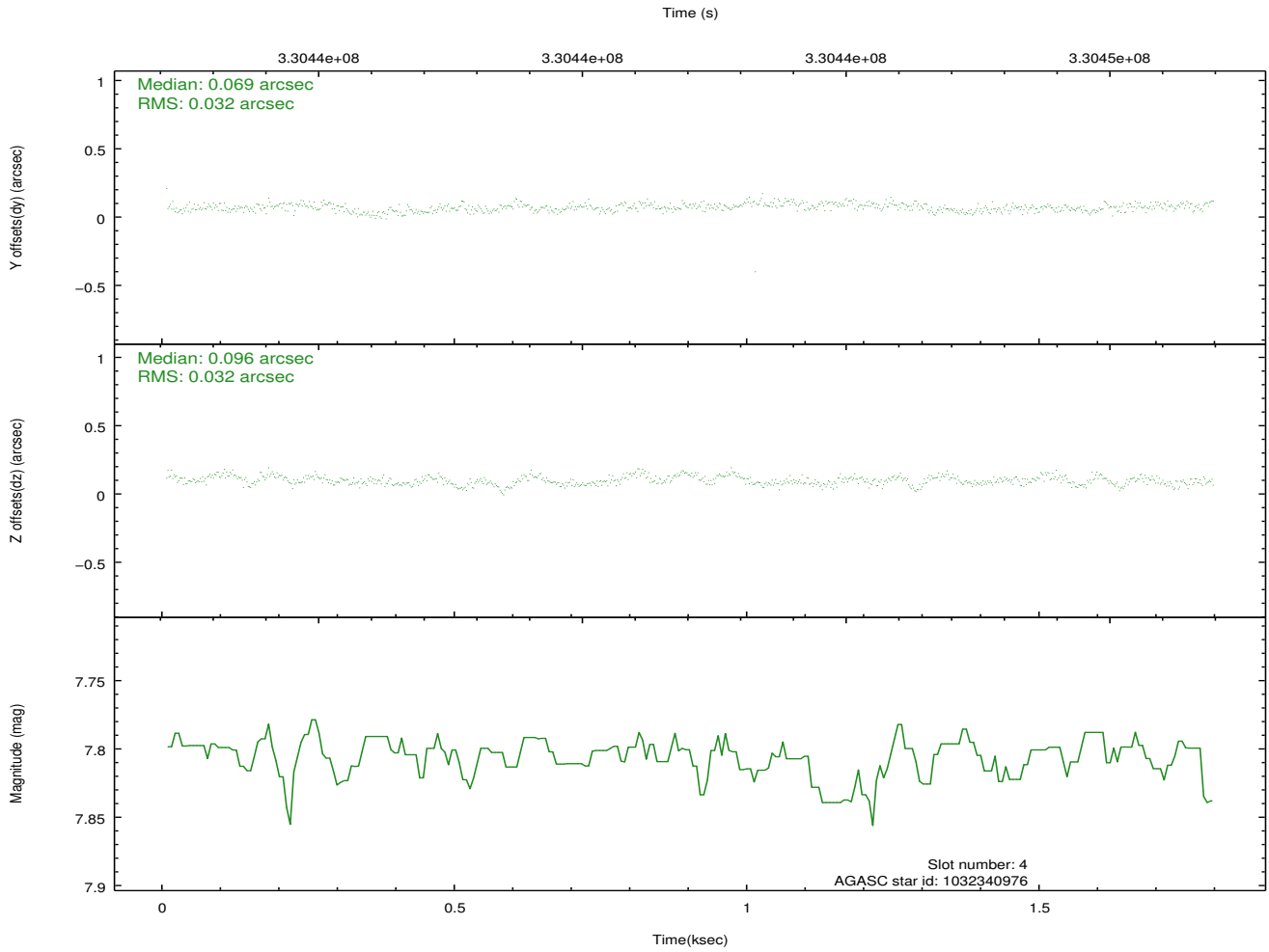
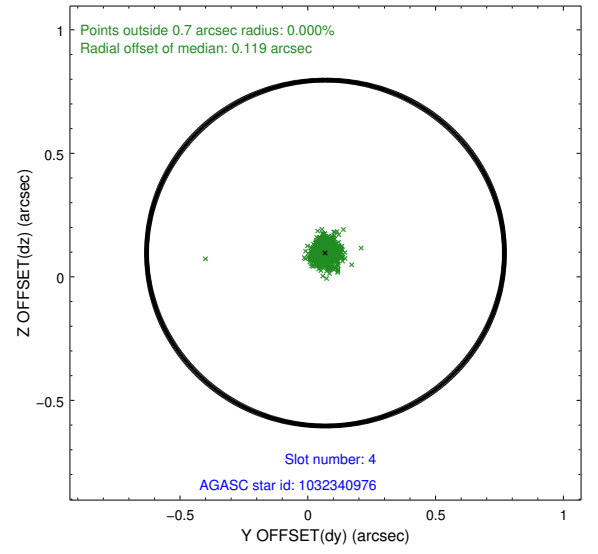
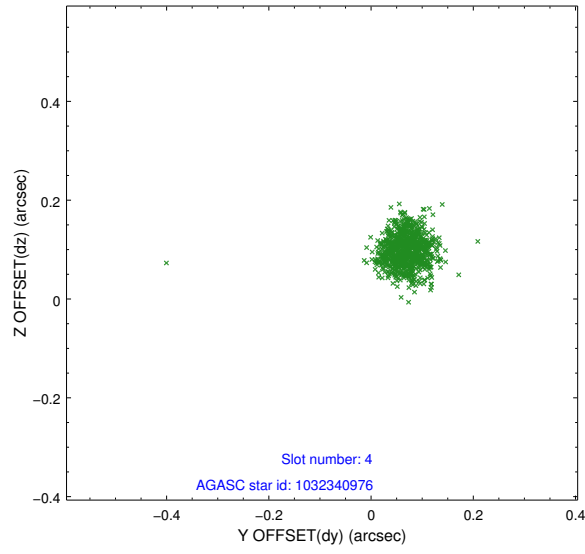
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	437	-0.028	-0.023	0.007	0.012	0.000000	0.000000	-765.72	-1735.28
1	FID	ACIS-S-4	6.97	437	0.119	0.020	0.007	0.012	0.000000	0.000000	2146.02	169.43
2	FID	ACIS-S-5	7.00	437	-0.122	0.012	0.008	0.013	0.000000	0.000000	-1813.95	167.28
3	GUIDE	1032340744	7.90	874	0.034	-0.107	0.059	0.102	254.712738	-41.416040	-2137.58	1656.92
4	GUIDE	1032340976	7.80	874	0.069	0.096	0.046	0.070	254.202894	-41.913283	-2051.26	-594.31
5	GUIDE	1032341952	7.17	874	0.047	0.056	0.051	0.080	254.946907	-41.627000	-1169.92	1471.09
6	GUIDE	1032454880	7.82	874	-0.167	-0.106	0.048	0.072	255.805803	-42.215139	1951.64	1280.67
7	GUIDE	1032456032	8.37	873	0.014	0.065	0.057	0.089	256.011351	-42.138769	2211.16	1838.23

2.4 Star Slots

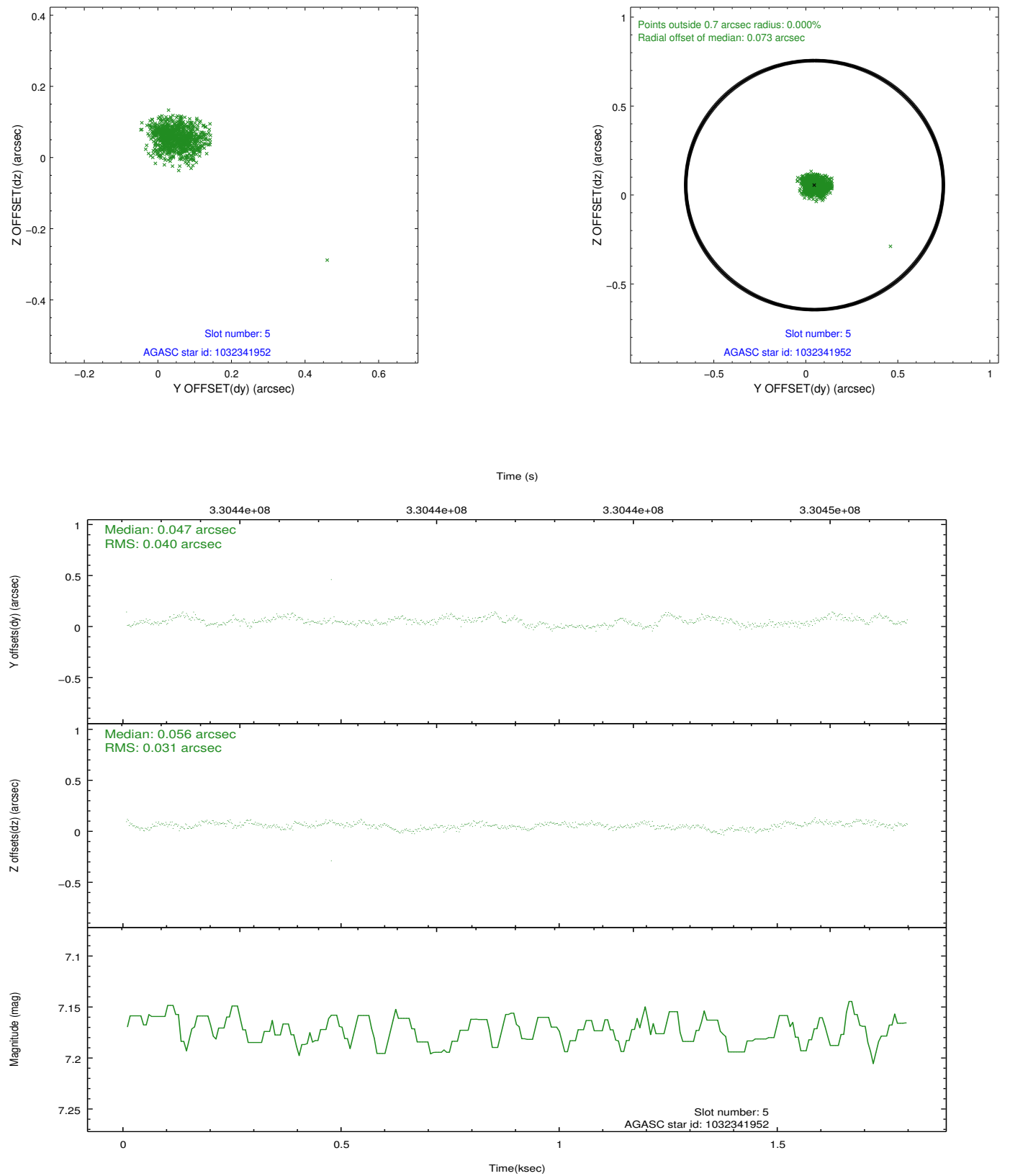
2.4.1 Slot 3



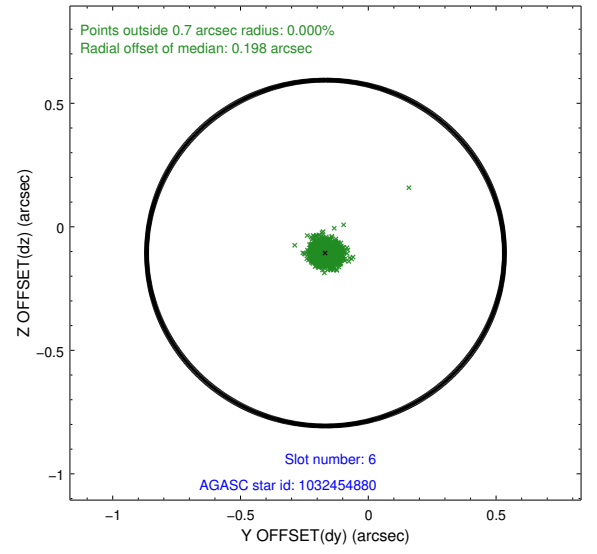
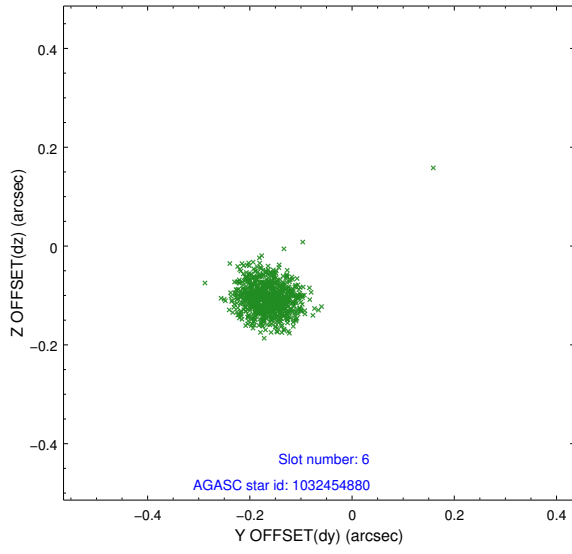
2.4.2 Slot 4



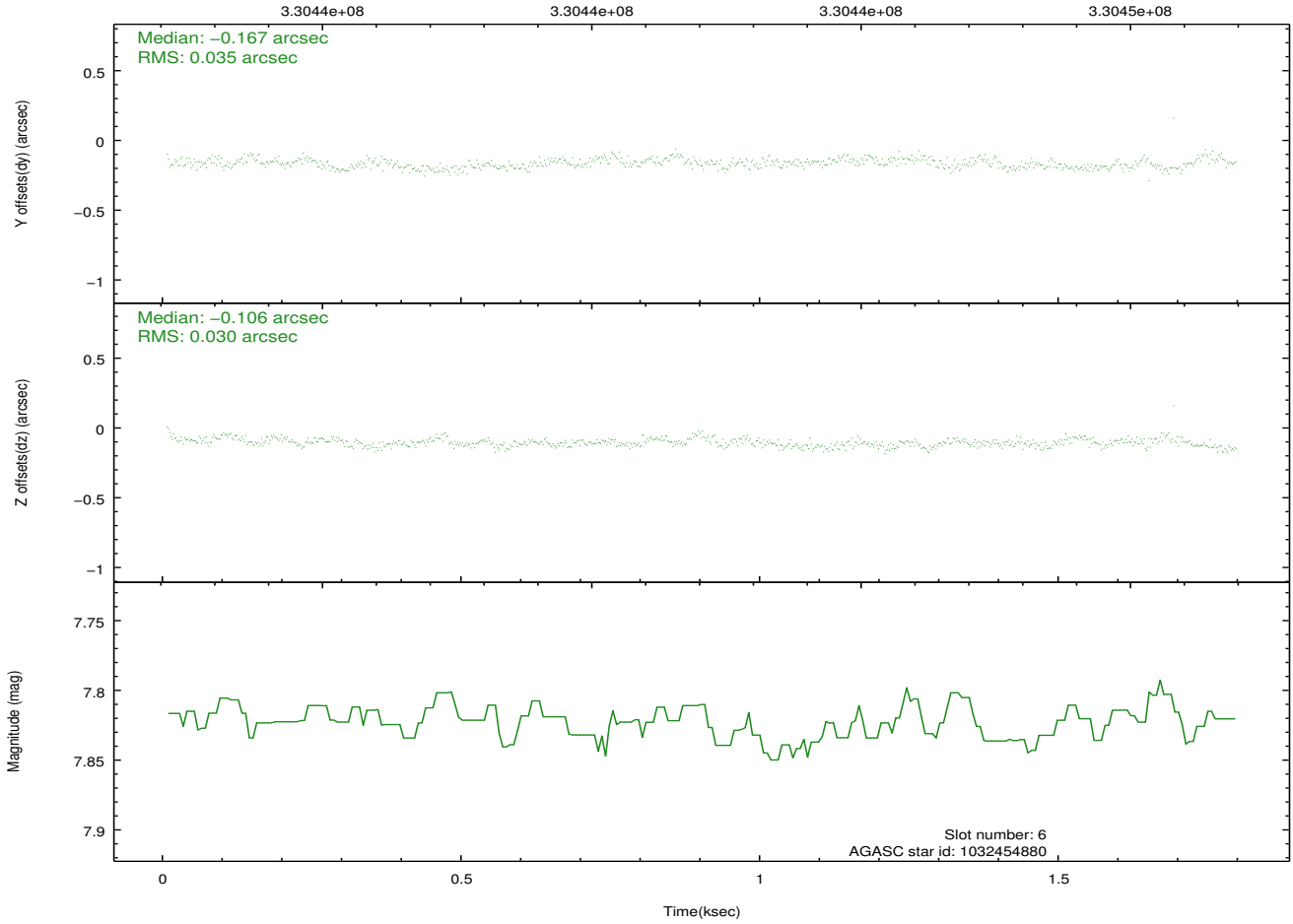
2.4.3 Slot 5



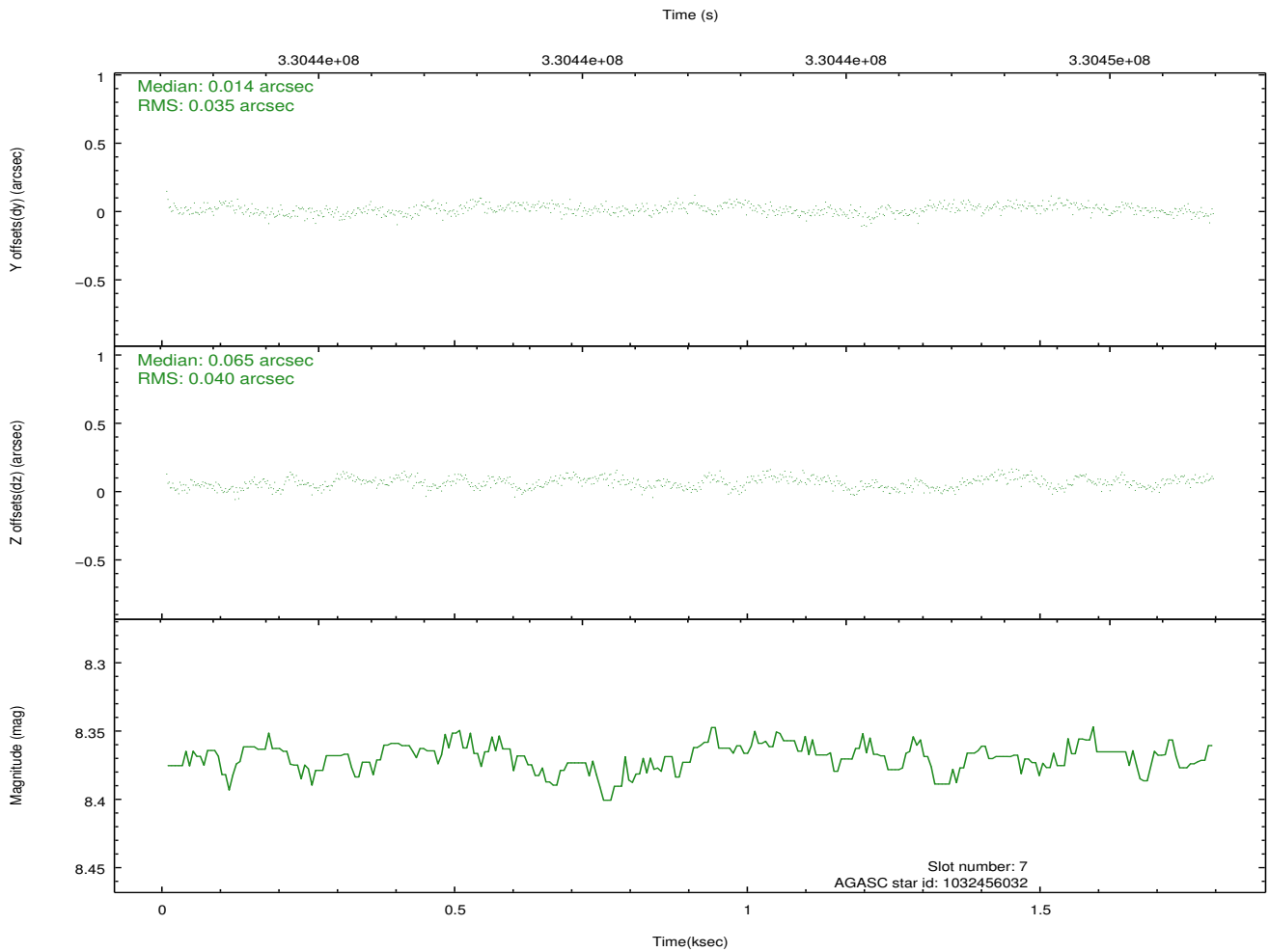
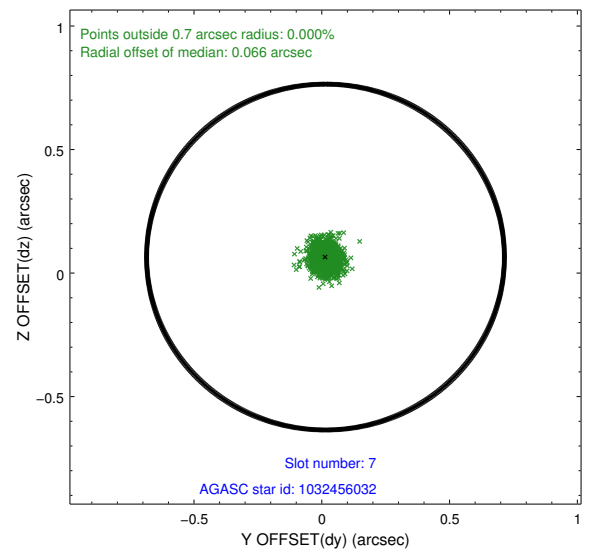
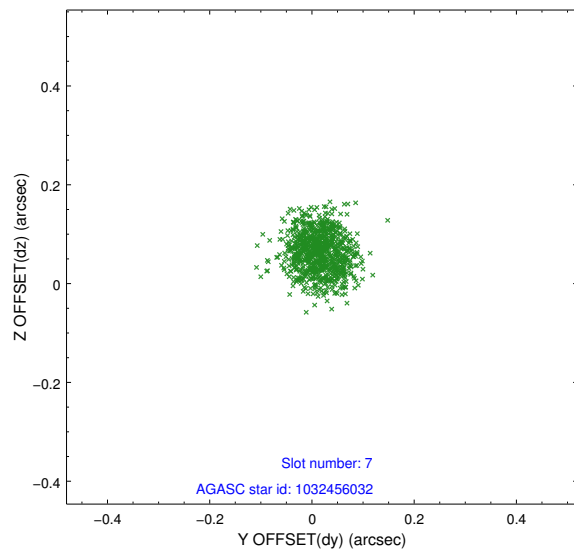
2.4.4 Slot 6



Time (s)

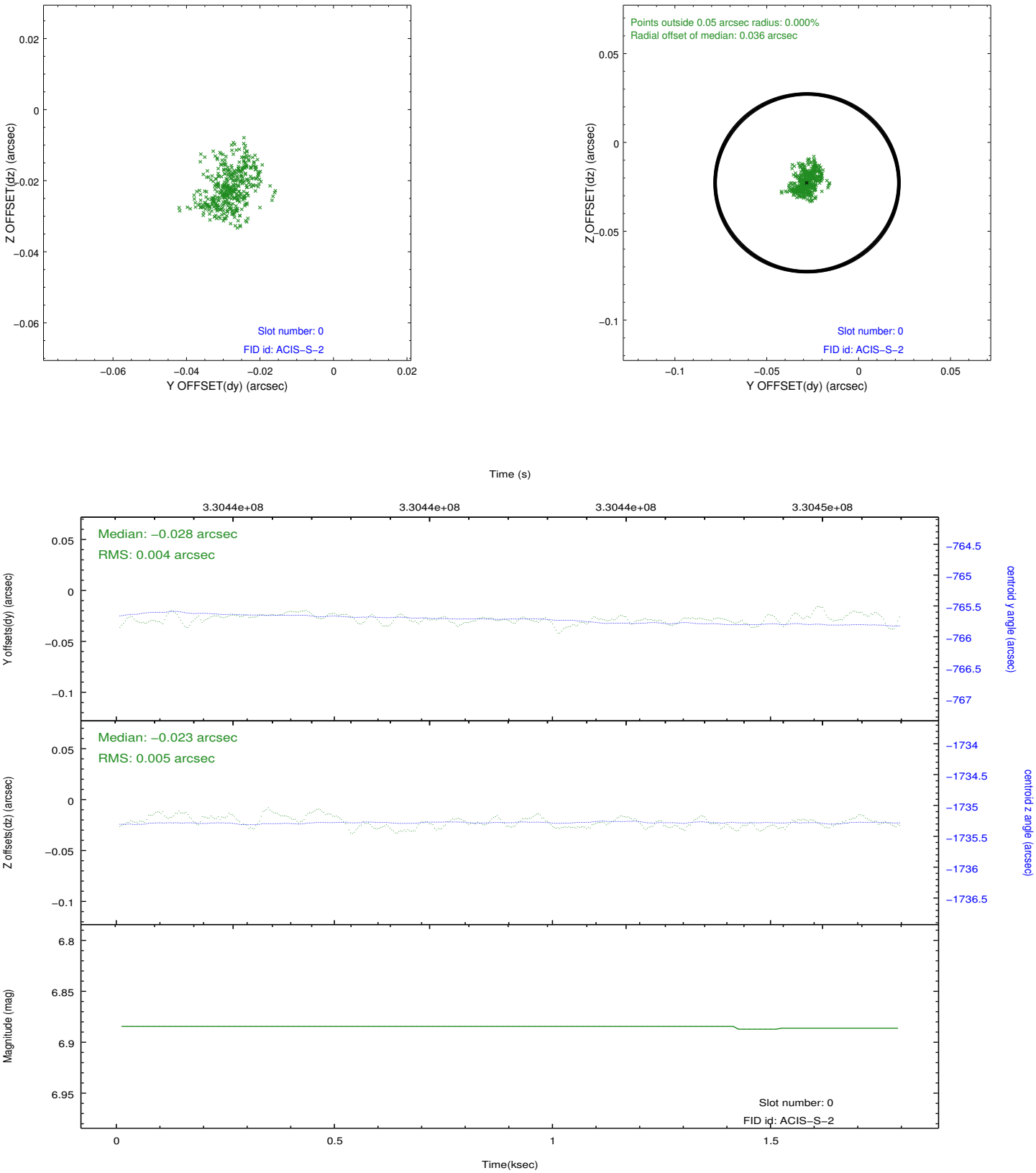


2.4.5 Slot 7

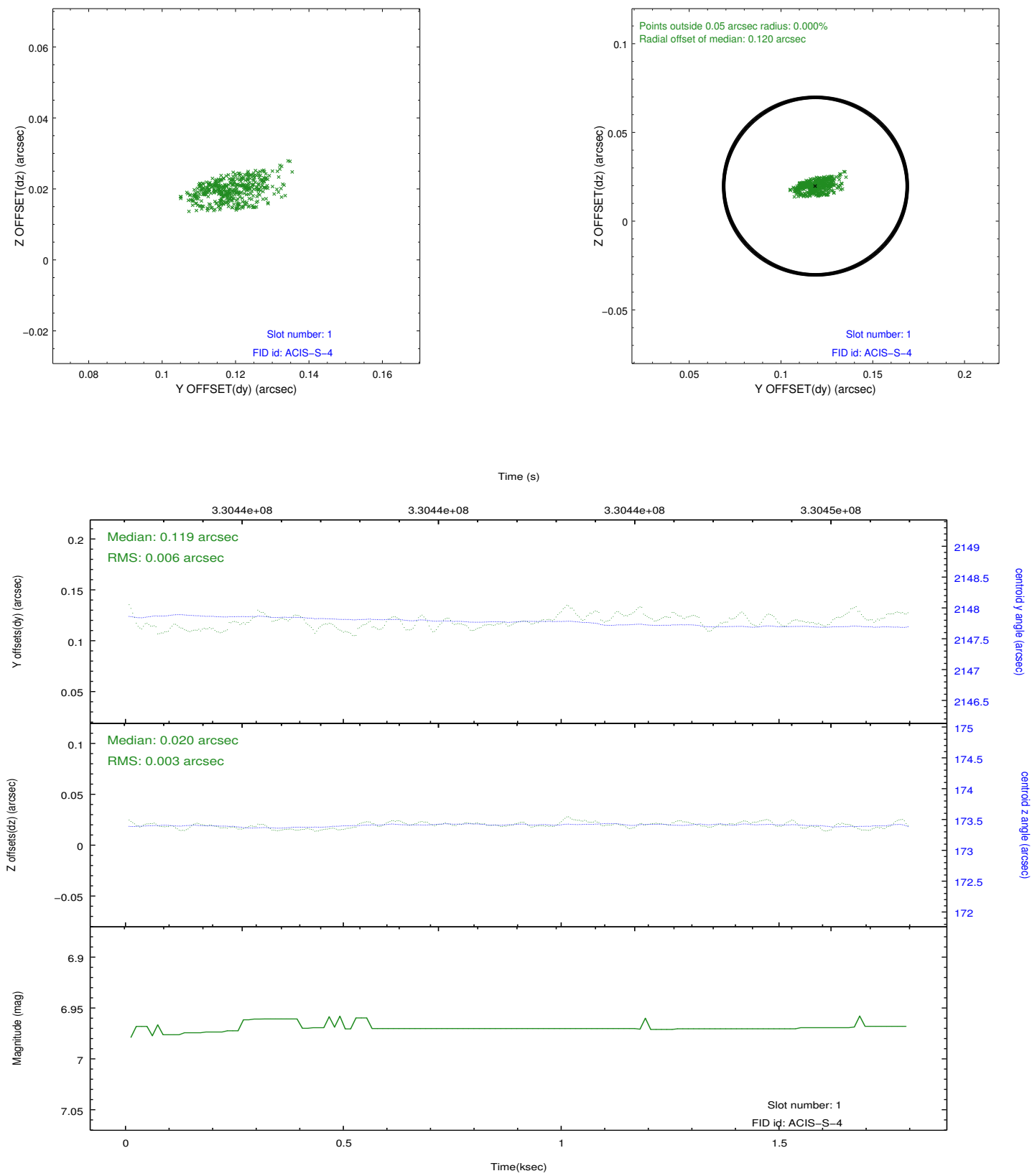


2.5 FID Slots

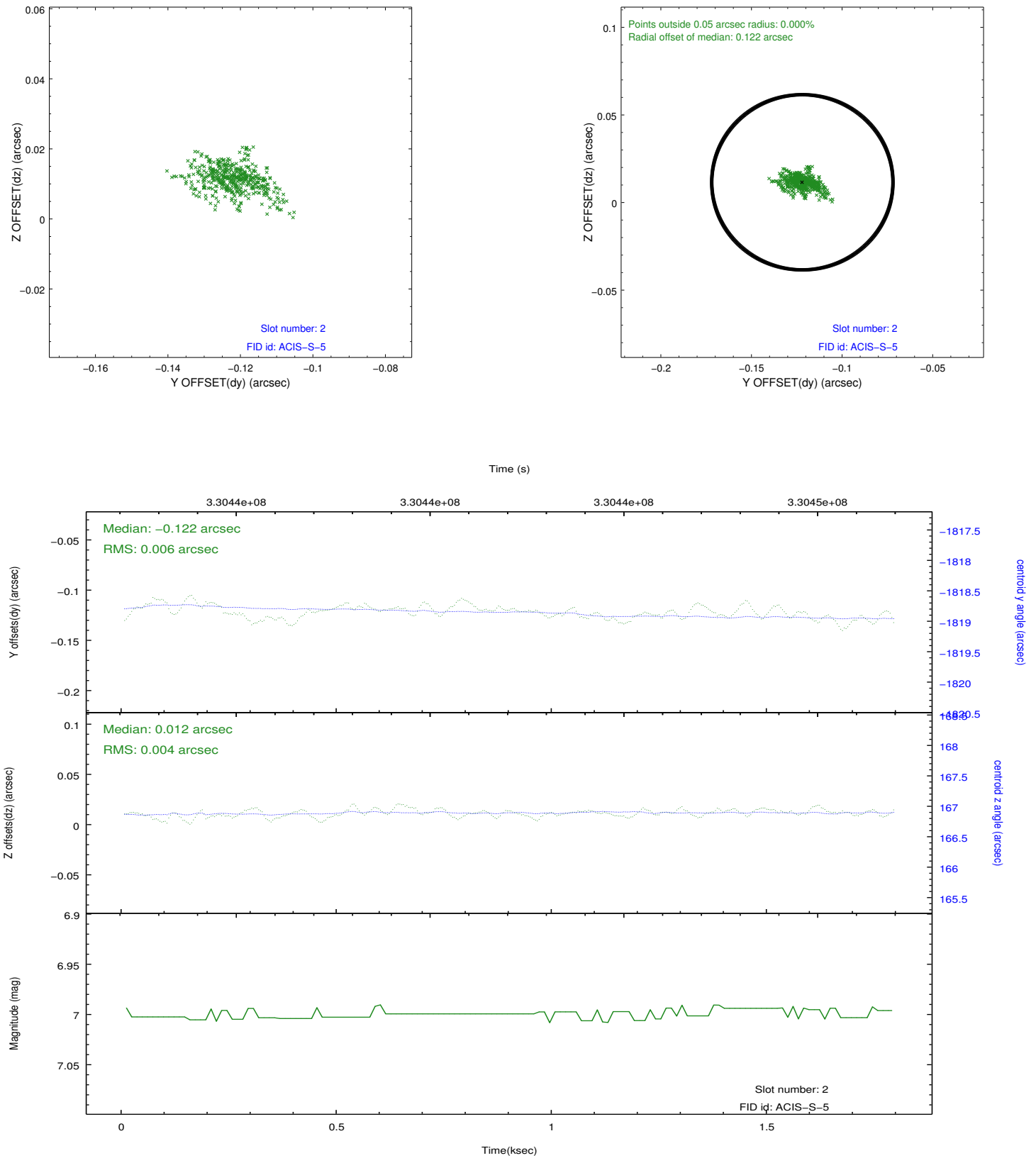
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.55519999

A.2 Comments