

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9169 - L2 Version 2
Chandra X-Ray Center

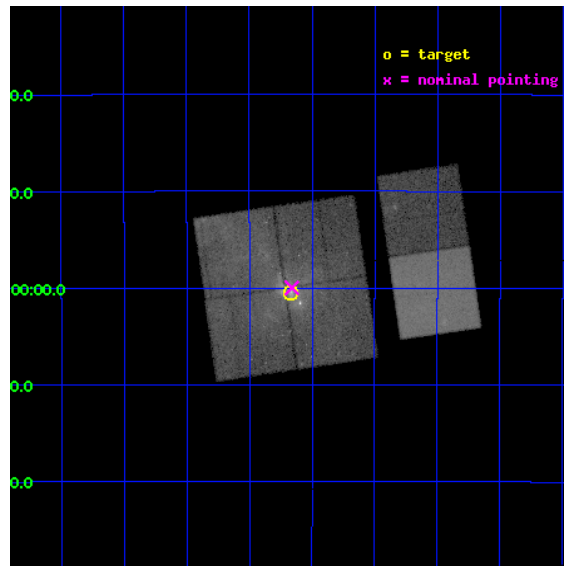
L2 Processing Date : May 14 2012

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1 Front

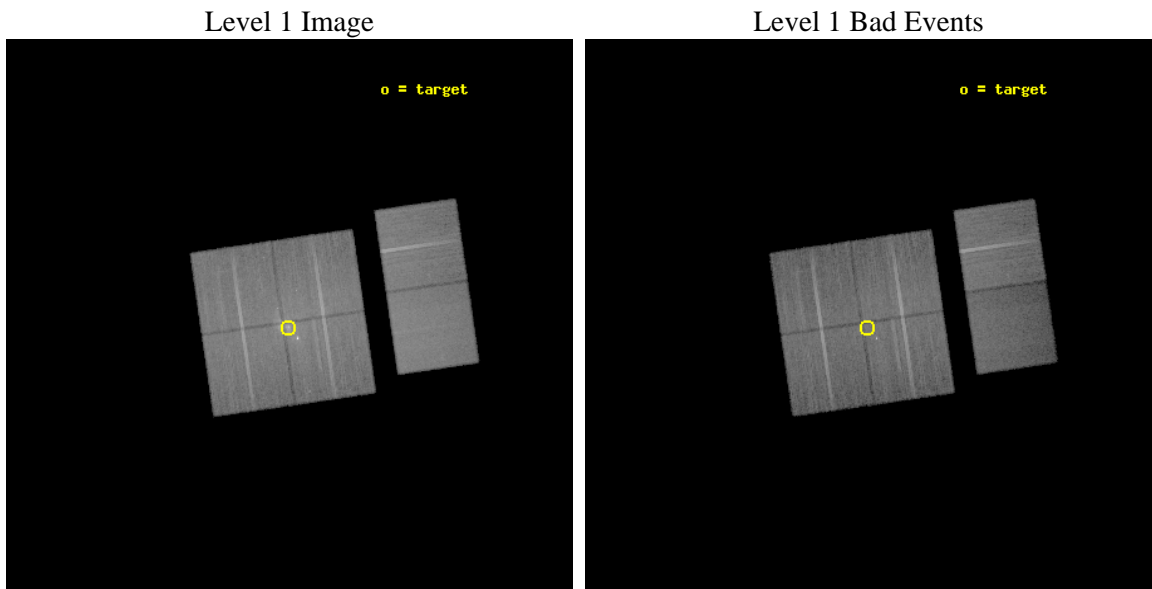
seq_num	701611	Sequence number
obs_id	9169	Observation id
title	Simultaneous Chandra, VLT, and APEX Observations of Sgr A*	Proposa
observer	Prof Farhad Yusef-Zadeh	Principal investigator
object	Sgr A*	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007806	Observer's specified target Dec [deg]
ra_nom	266.4152188321	Nominal RA [deg]
dec_nom	-28.999812097069	Nominal Dec [deg]
roll_nom	81.707987539544	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27955.158885658	Sum of GTIs [s]
livetime	27601.173831272	Livetime [s]
ontime0	27958.399895906	Sum of GTIs [s]
ontime1	27958.399895906	Sum of GTIs [s]
ontime2	27958.399895906	Sum of GTIs [s]
ontime3	27955.158885658	Sum of GTIs [s]
ontime6	27955.158875704	Sum of GTIs [s]
ontime7	27958.399895906	Sum of GTIs [s]
l2events	332005	Number of level 2 events



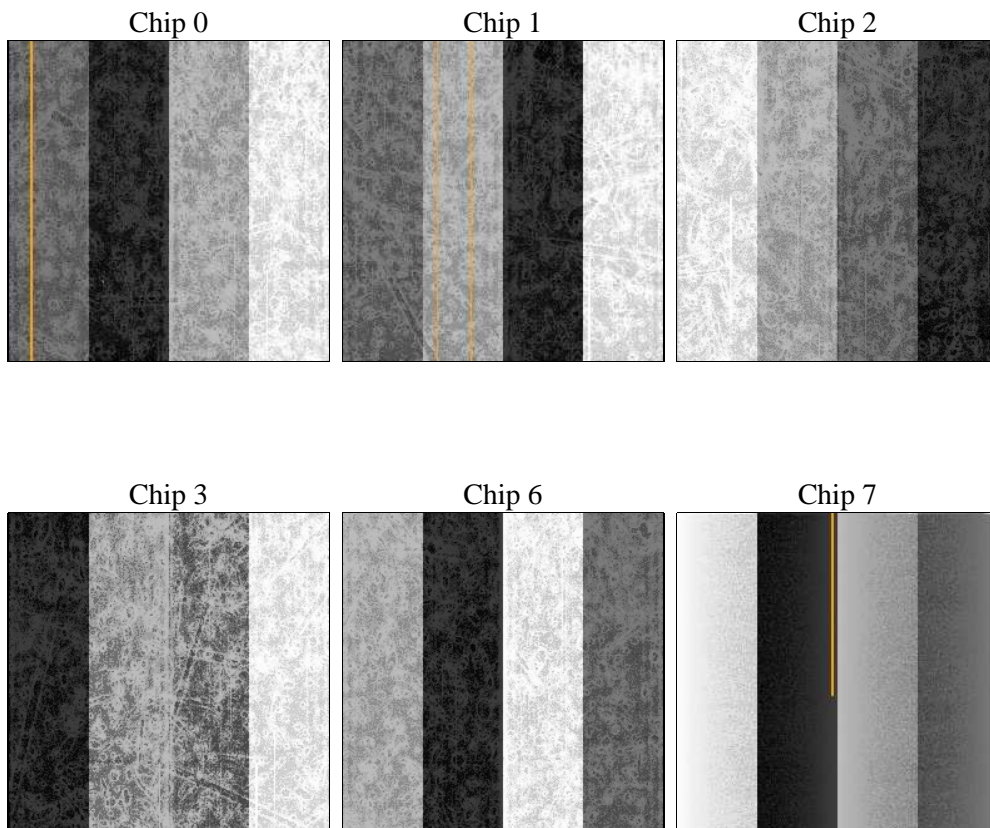
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27912.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	27955.158885658	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	27958.399895906	Sum of GTIs [s]
date	2012-05-14T01:59:07	Date and time of file creation	ontime1	27958.399895906	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	27958.399895906	Sum of GTIs [s]
			ontime3	27955.158885658	Sum of GTIs [s]
			ontime6	27955.158875704	Sum of GTIs [s]
			ontime7	27958.399895906	Sum of GTIs [s]
			l1events	1461554	Number of level 1 events

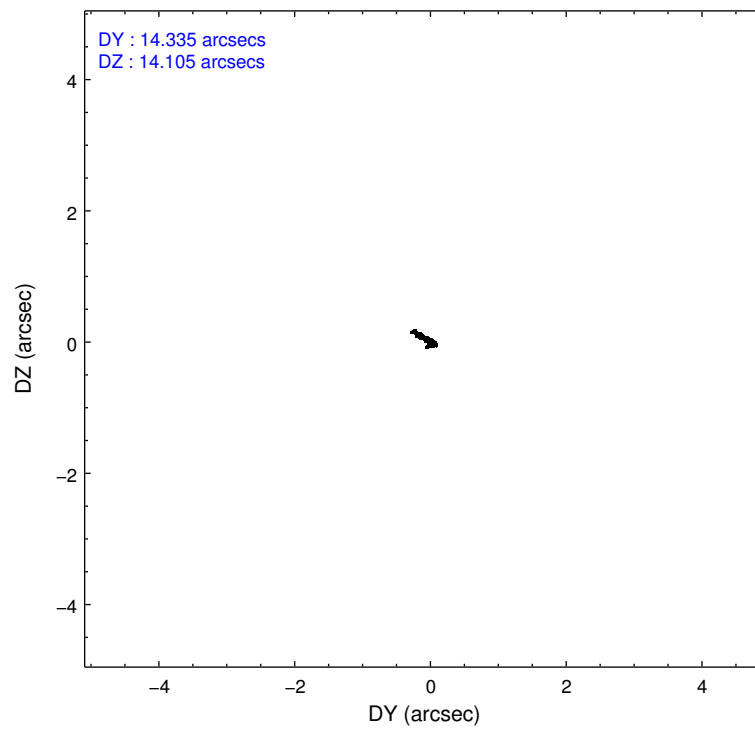
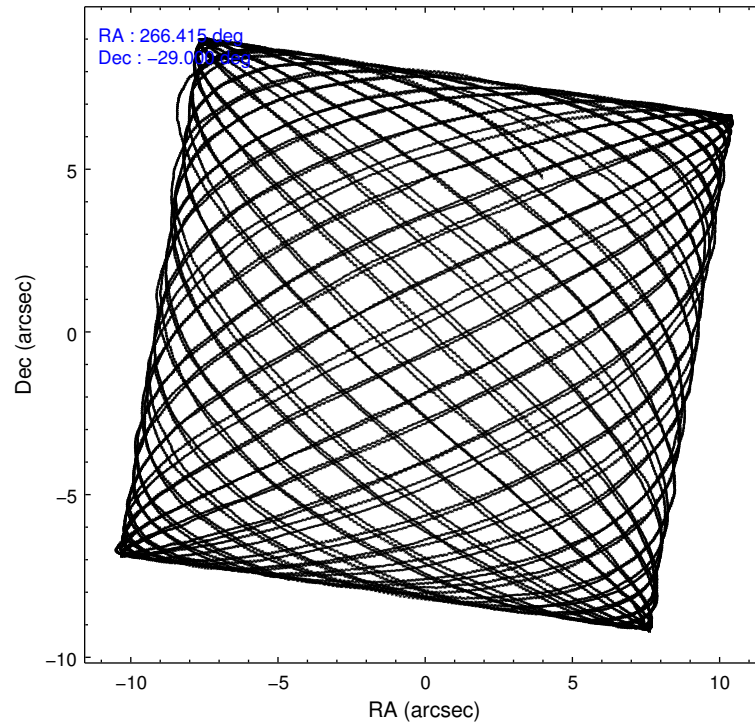
2.1.4 Events

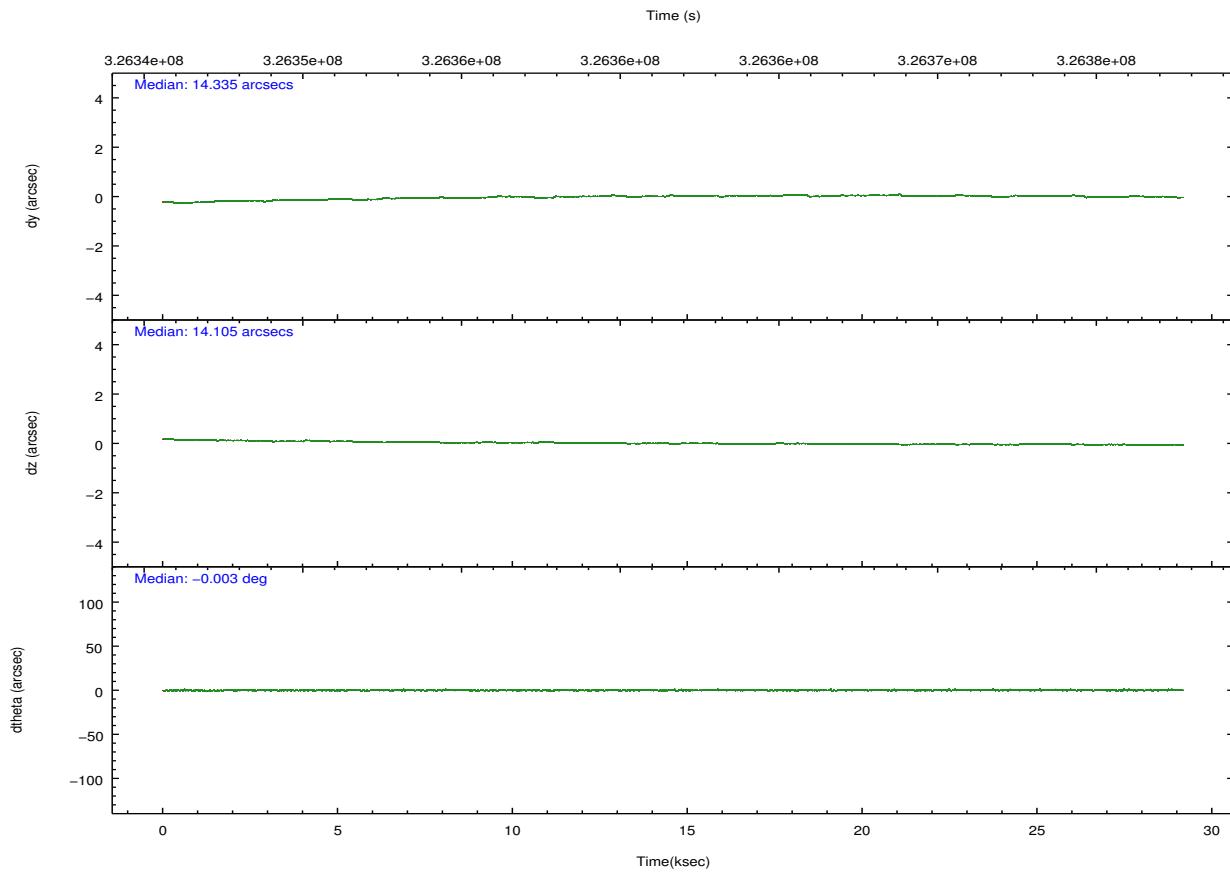
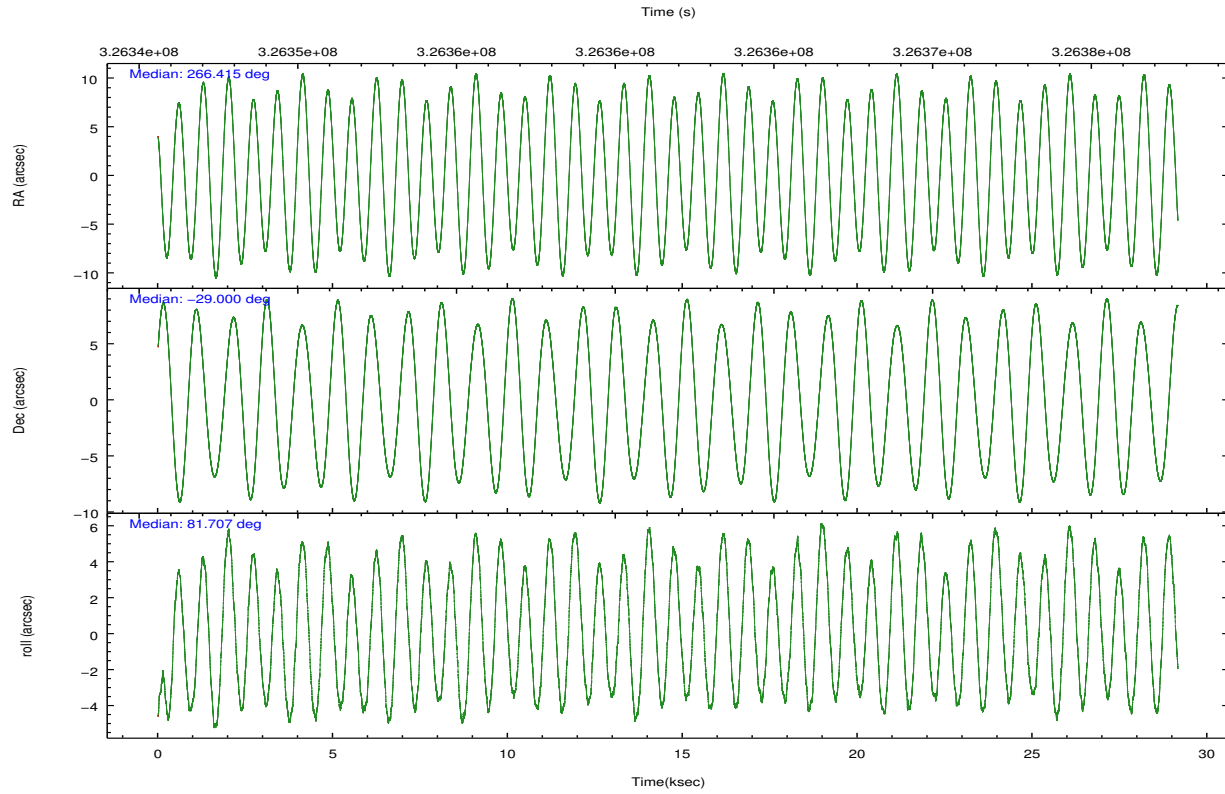
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	244194	226237	250578	256844	230453	253248	grade 0 events	35738	26212	22331	32562	11666	11598
rejected events	182121	176434	207986	197992	202249	134028		14%	11%	8%	12%	5%	4%
rejected %	74%	77%	83%	77%	87%	52%	grade 1 events	299	228	252	701	135	316
								0%	0%	0%	0%	0%	0%
							grade 2 events	10659	9321	7957	9924	5773	24609
								4%	4%	3%	3%	2%	9%
							grade 3 events	4410	3840	3356	4310	2730	11171
								1%	1%	1%	1%	1%	4%
							grade 4 events	4221	3701	3306	4294	2583	10975
								1%	1%	1%	1%	1%	4%
							grade 5 events	7901	8769	7530	9837	9027	25949
								3%	3%	3%	3%	3%	10%
							grade 6 events	7053	6734	5644	7766	5452	60878
								2%	2%	2%	3%	2%	24%
							grade 7 events	173913	167432	200202	187450	193087	107752
								71%	74%	79%	72%	83%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.426972	266.415218832102	CCD I2 on	Y	Y
[deg] Pointing Dec	-29.025324	-28.99981209706949	CCD I3 on	Y	Y
[deg] Pointing Roll	81.504999	81.70798753954439	CCD S0 on	N	N
[s] Window start time (MET)	325987265.184000	325987265.184000	CCD S1 on	N	N
[s] Window stop time (MET)	327628865.184000	327628865.184000	CCD S2 on	O2	Y
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S3 on	O1	Y
[mm] SIM defocus	0	0.001439871863259334	CCD S4 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S5 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	Number of optional ACIS chips dropped	0	0
Phase constraints	Y	Y	On-chip summing requested	N	N
[d] Phase period	0.997270	0.997270	Subarray requested	NONE	NONE
[d] Phase epoch (MJD)	54587.160000	54587.160000	Alternating exposures requested	N	N
Phase start	0.000000	0.000000	[s] Primary exposure time	0.000000	3.2
Phase end	0.334000	0.334000			
Phase start error	0.020000	0.020000			
Phase end error	0.020000	0.020000			
[s] Observation start time (MET)	326348335.184000	326346796.6408			
Observation start date	2008-05-05T04:17:50	2008-05-05T03:53:16			

2.3 Aspect



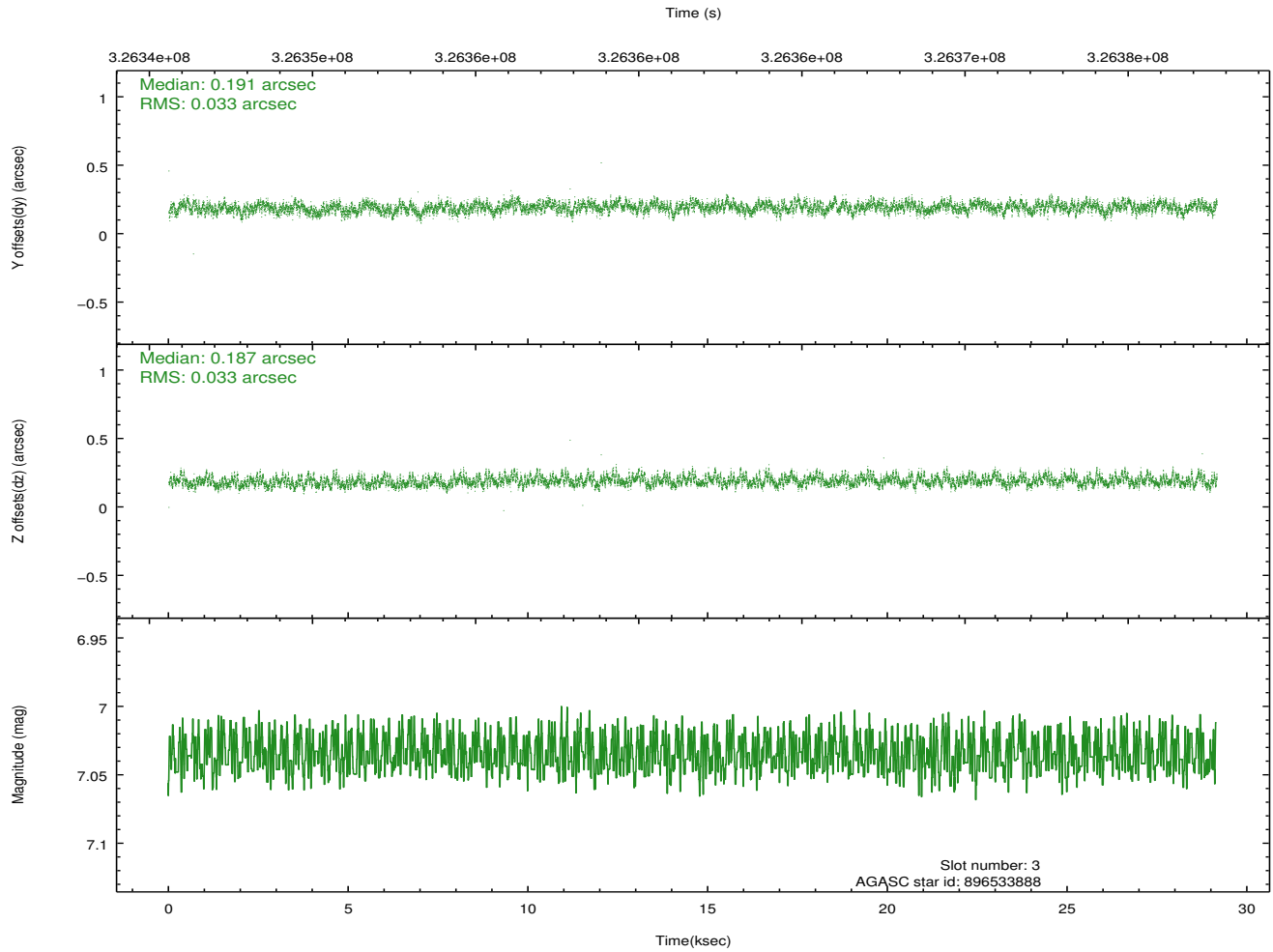
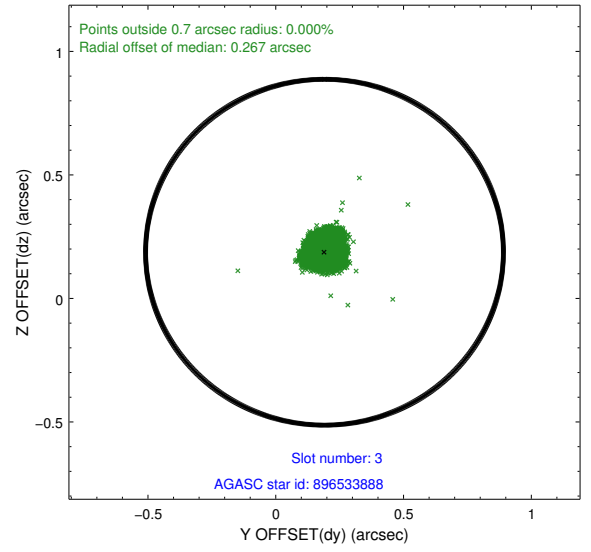
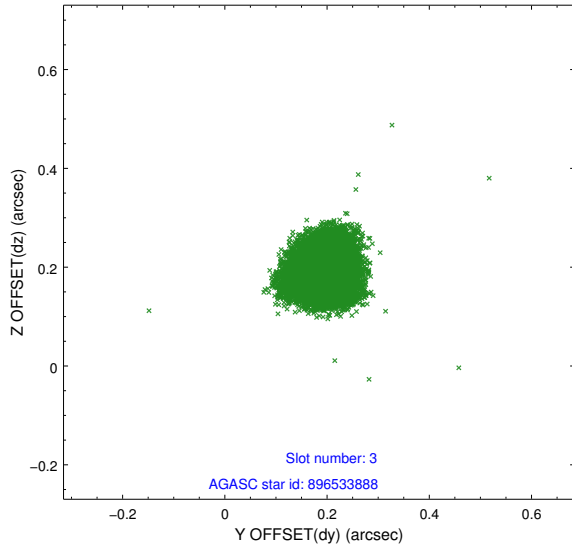


Slot Statistics

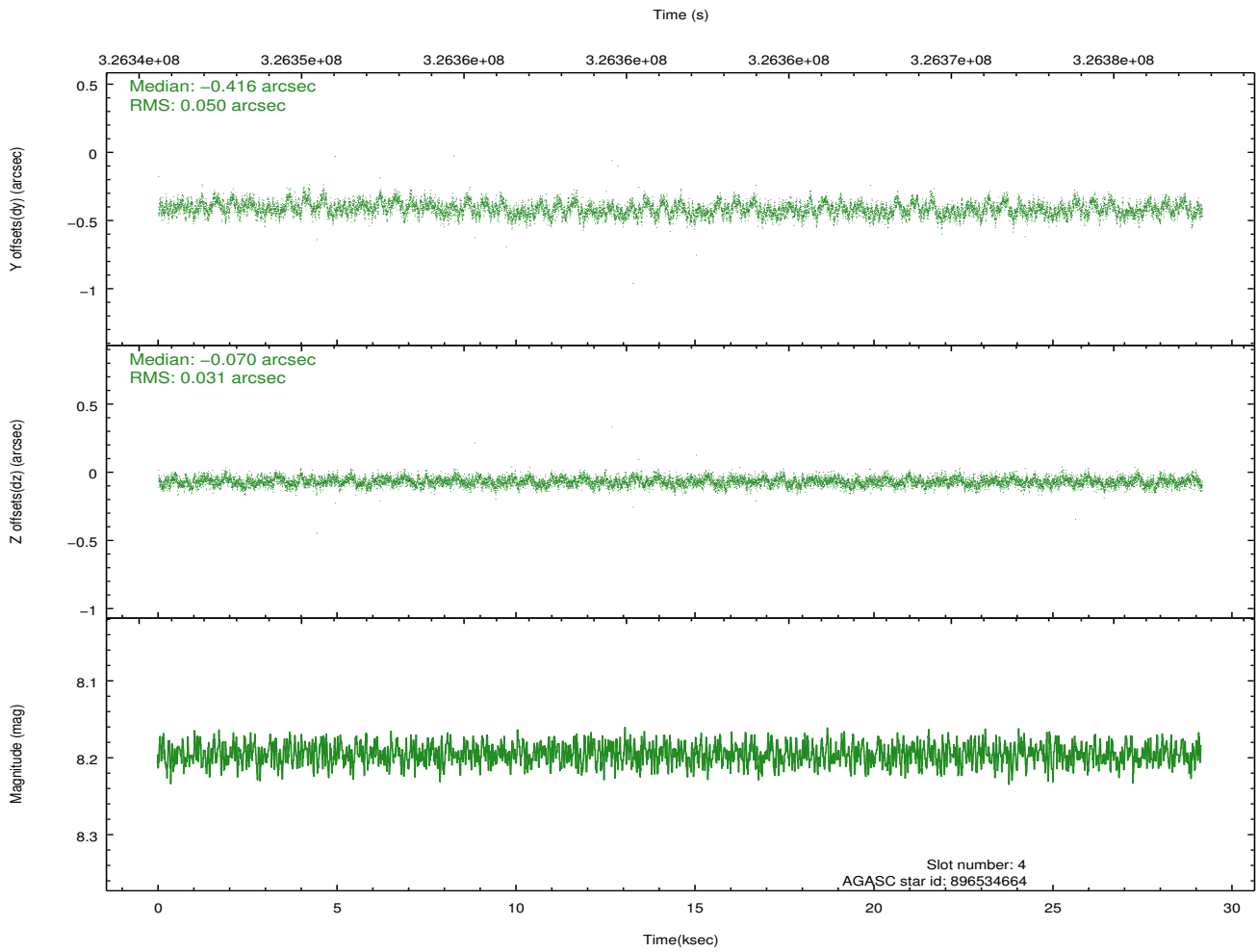
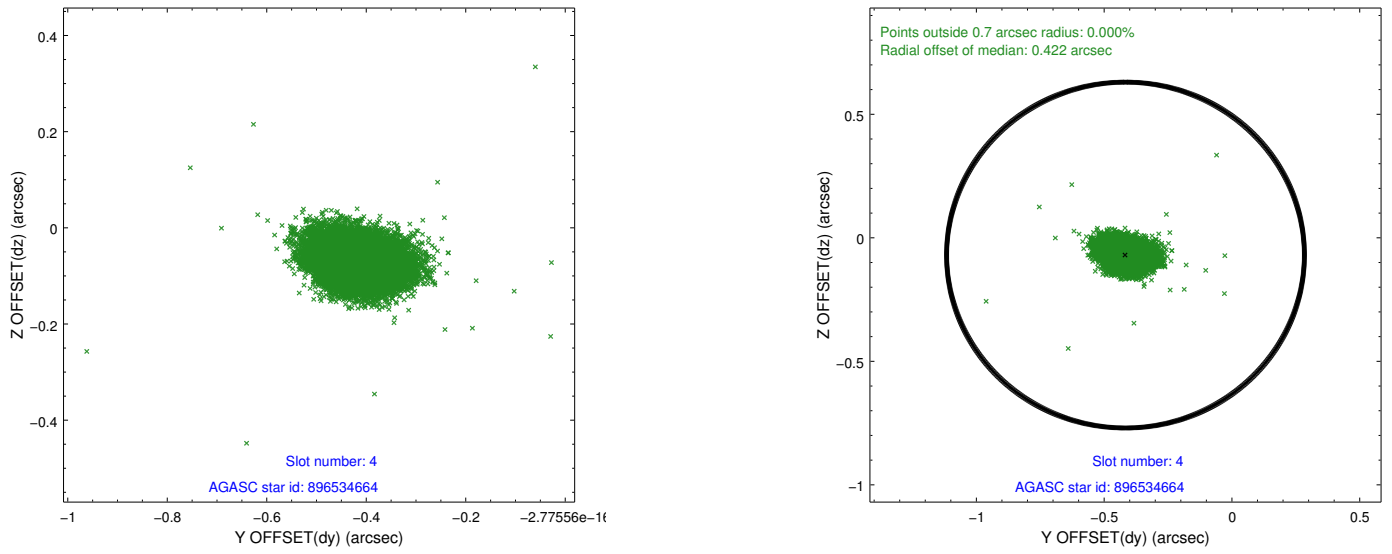
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	7112	0.014	0.040	0.012	0.024	0.000000	0.000000	925.20	-837.65
1	FID	ACIS-I-5	7.02	7113	-0.198	0.030	0.009	0.019	0.000000	0.000000	-1823.10	1059.76
2	FID	ACIS-I-6	7.03	7113	0.094	0.002	0.010	0.019	0.000000	0.000000	390.70	1704.36
3	GUIDE	896533888	7.04	14224	0.191	0.187	0.049	0.079	266.666434	-29.392757	-1197.88	-938.13
4	GUIDE	896534664	8.20	14223	-0.416	-0.070	0.061	0.101	266.405570	-28.407461	2189.35	395.61
5	GUIDE	896537776	7.53	14221	0.361	0.205	0.052	0.081	266.655684	-29.665673	-2174.48	-1048.01
6	GUIDE	896403224	8.30	14221	0.223	-0.267	0.073	0.116	265.612825	-29.438915	-1858.64	2302.92
7	GUIDE	896538696	6.88	14222	-0.363	-0.060	0.045	0.072	266.298470	-28.325572	2430.57	775.12

2.4 Star Slots

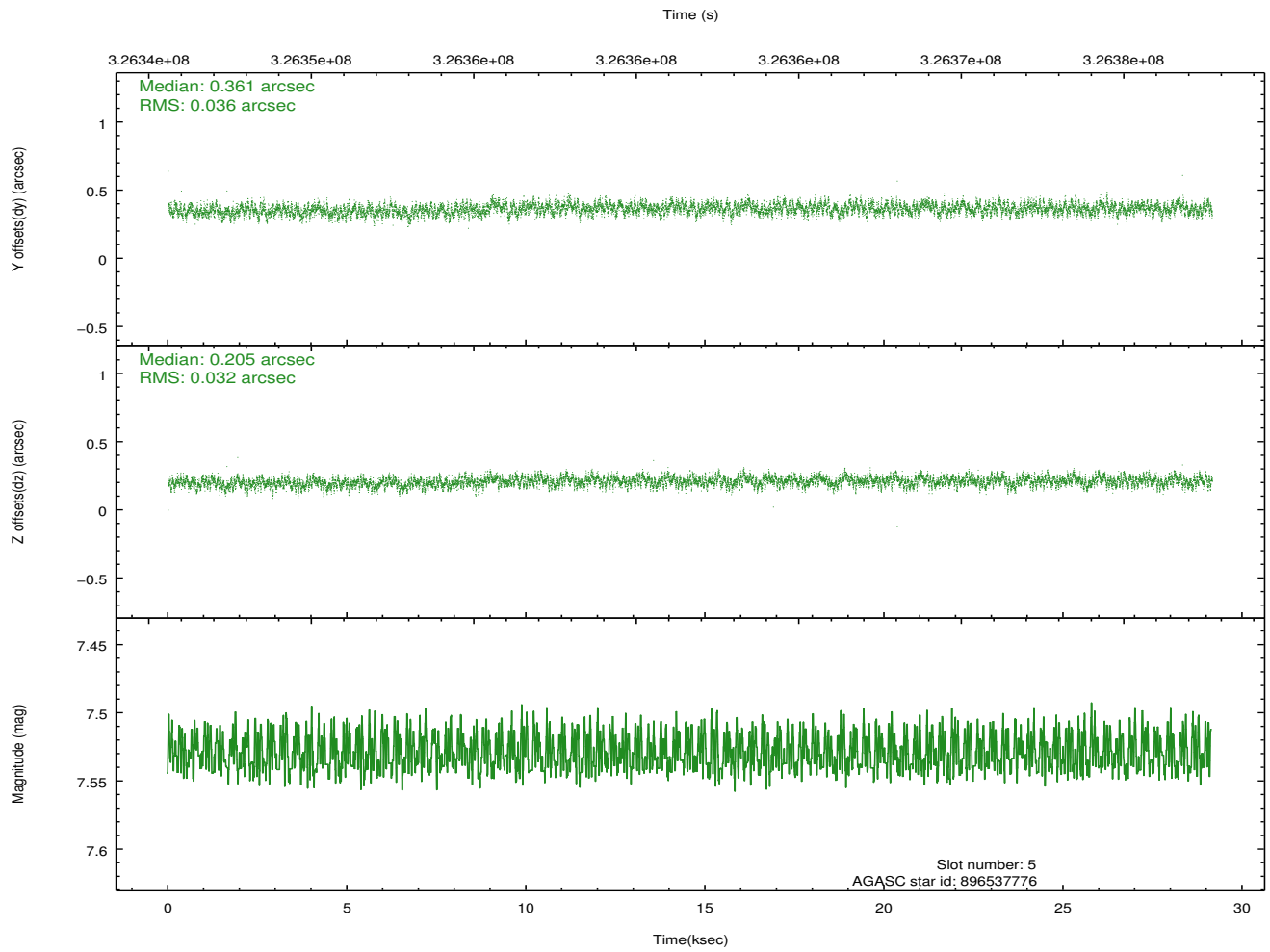
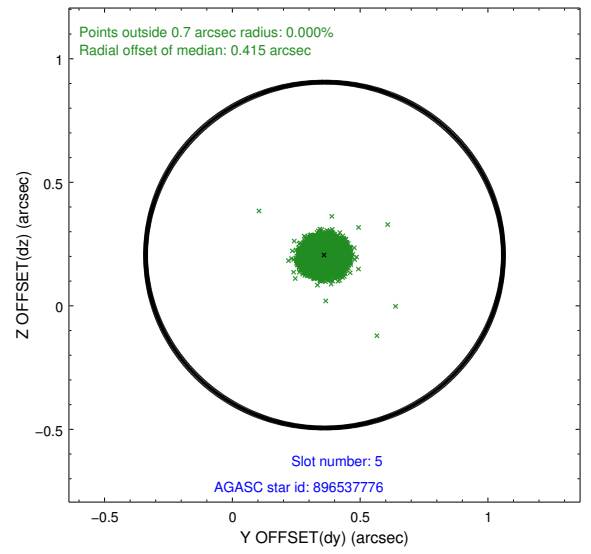
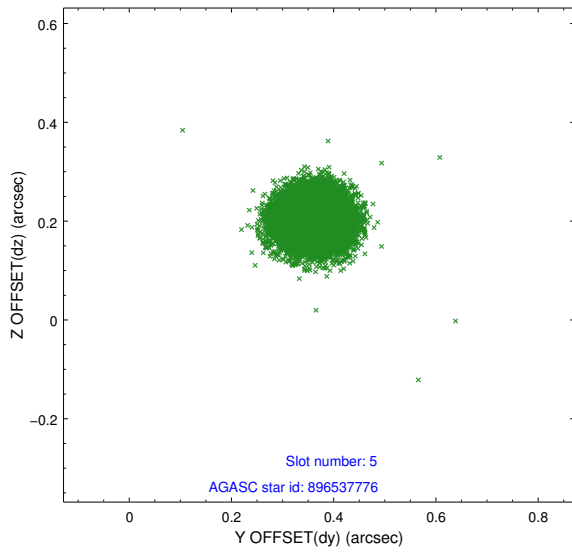
2.4.1 Slot 3



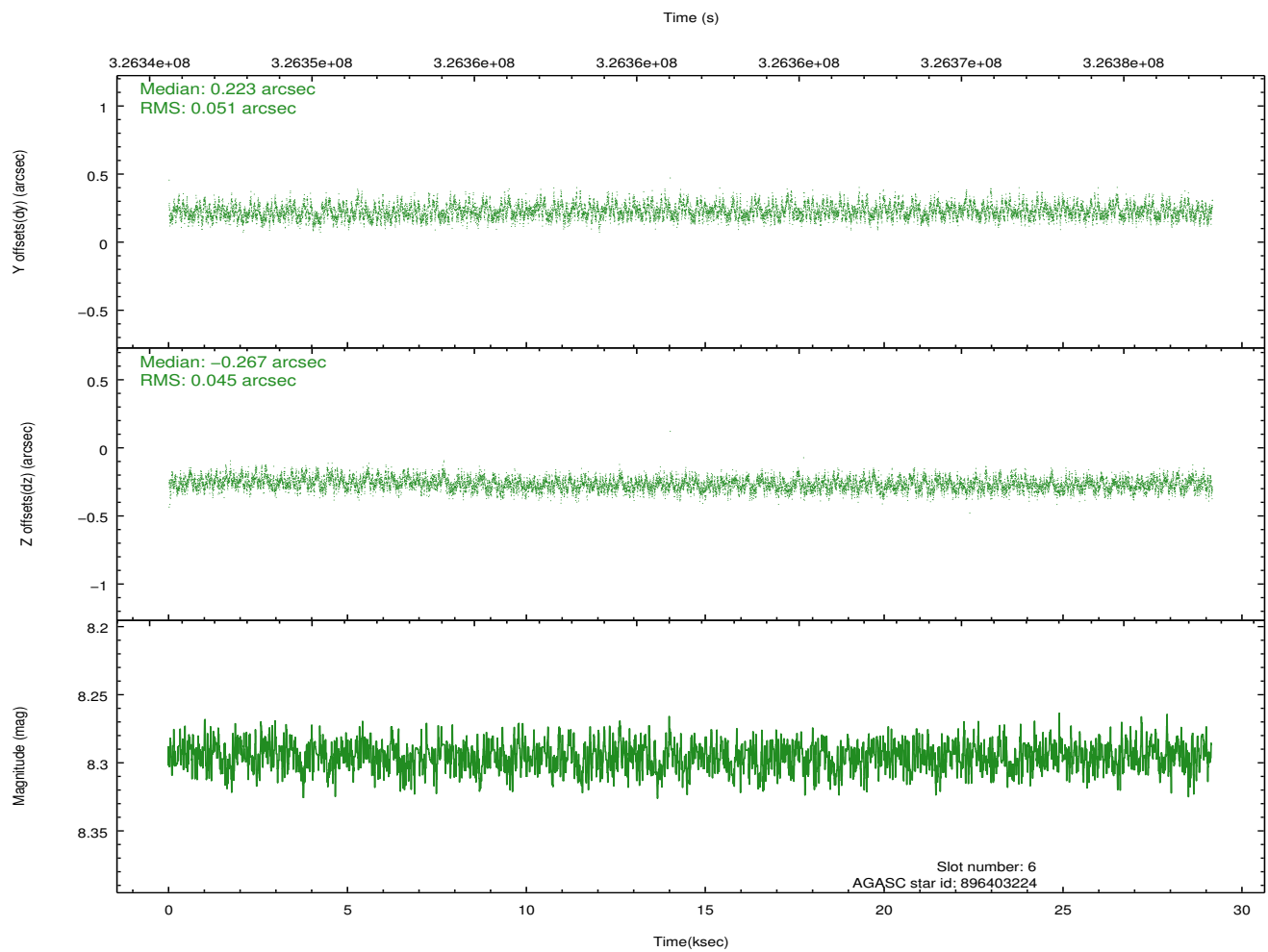
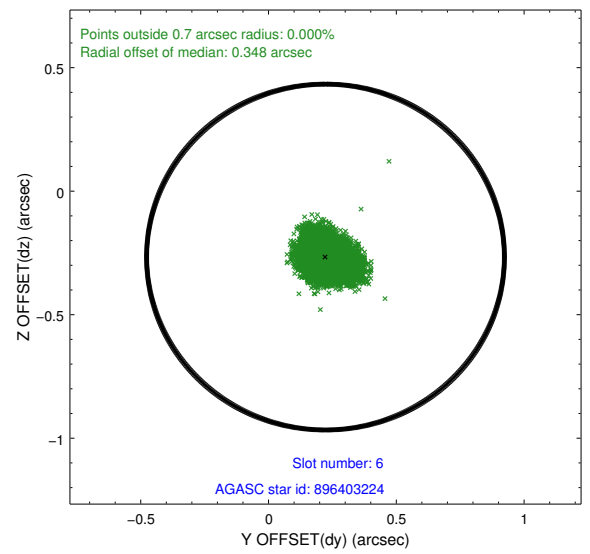
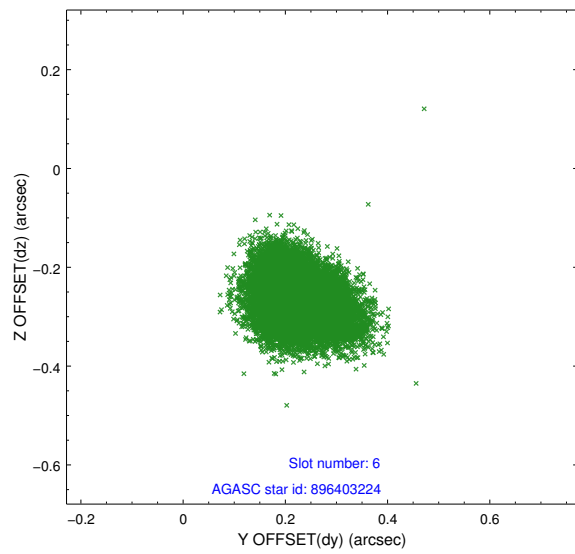
2.4.2 Slot 4



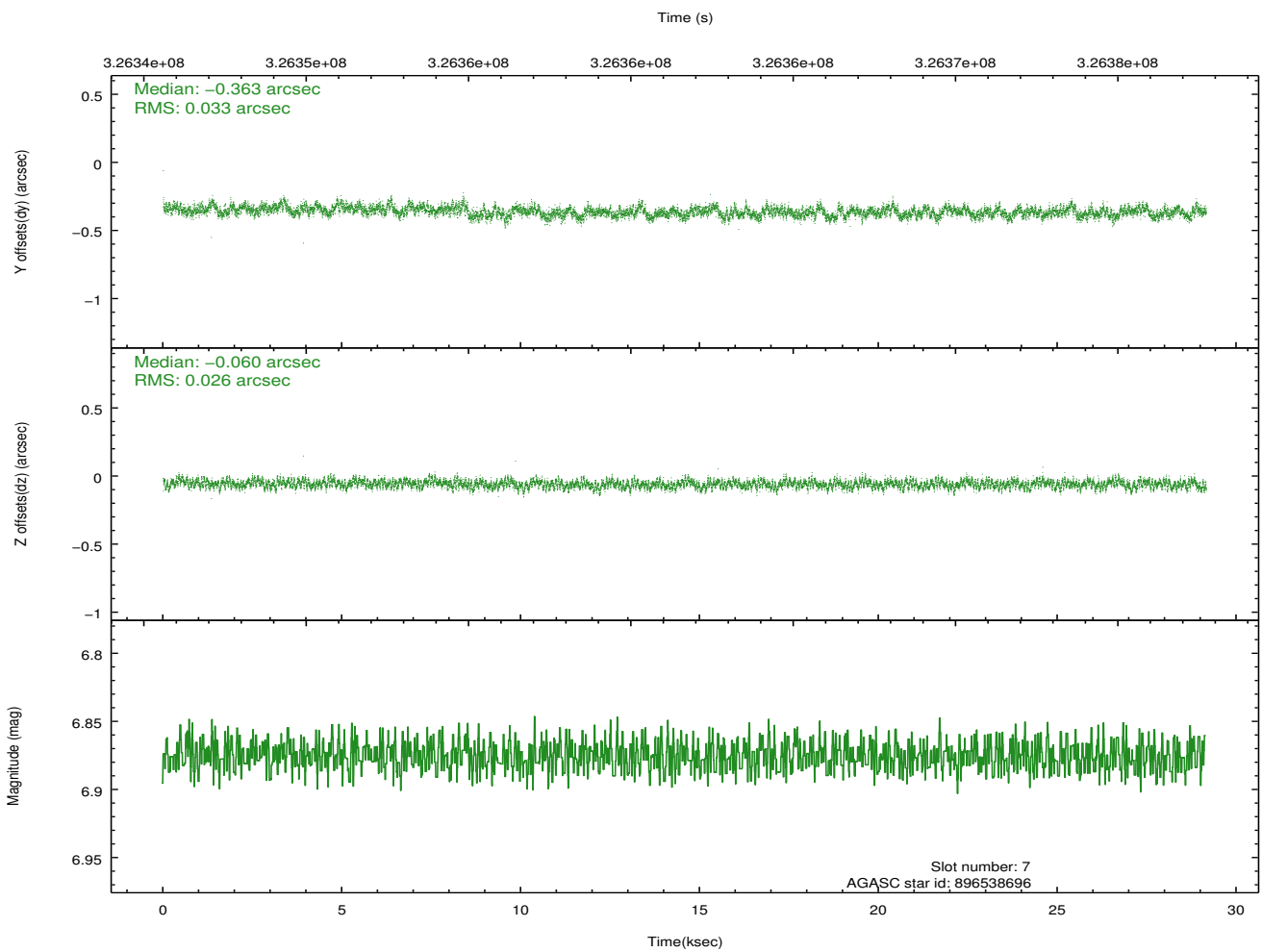
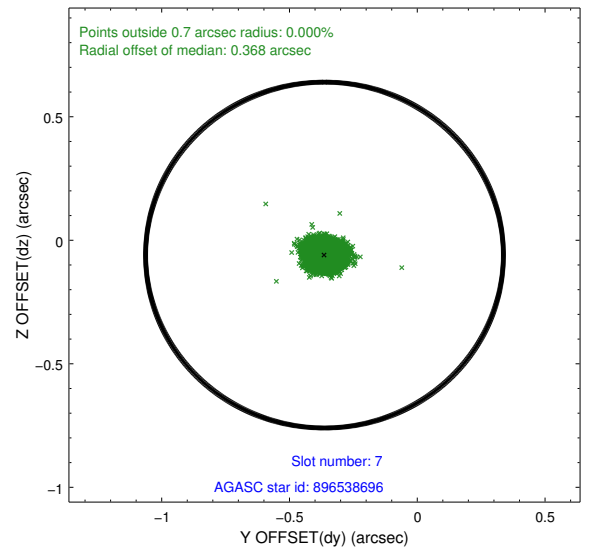
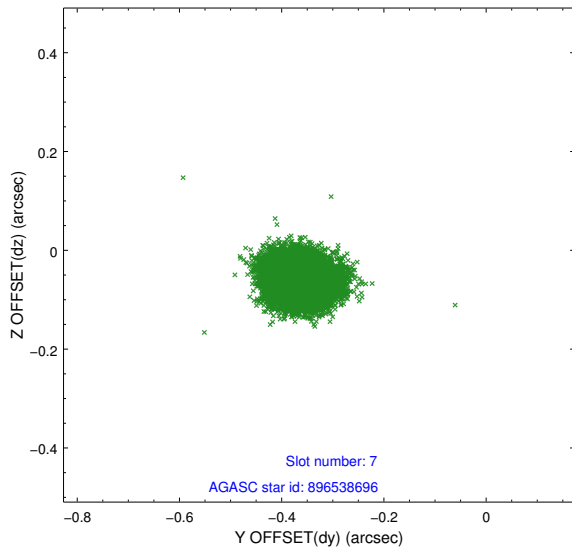
2.4.3 Slot 5



2.4.4 Slot 6

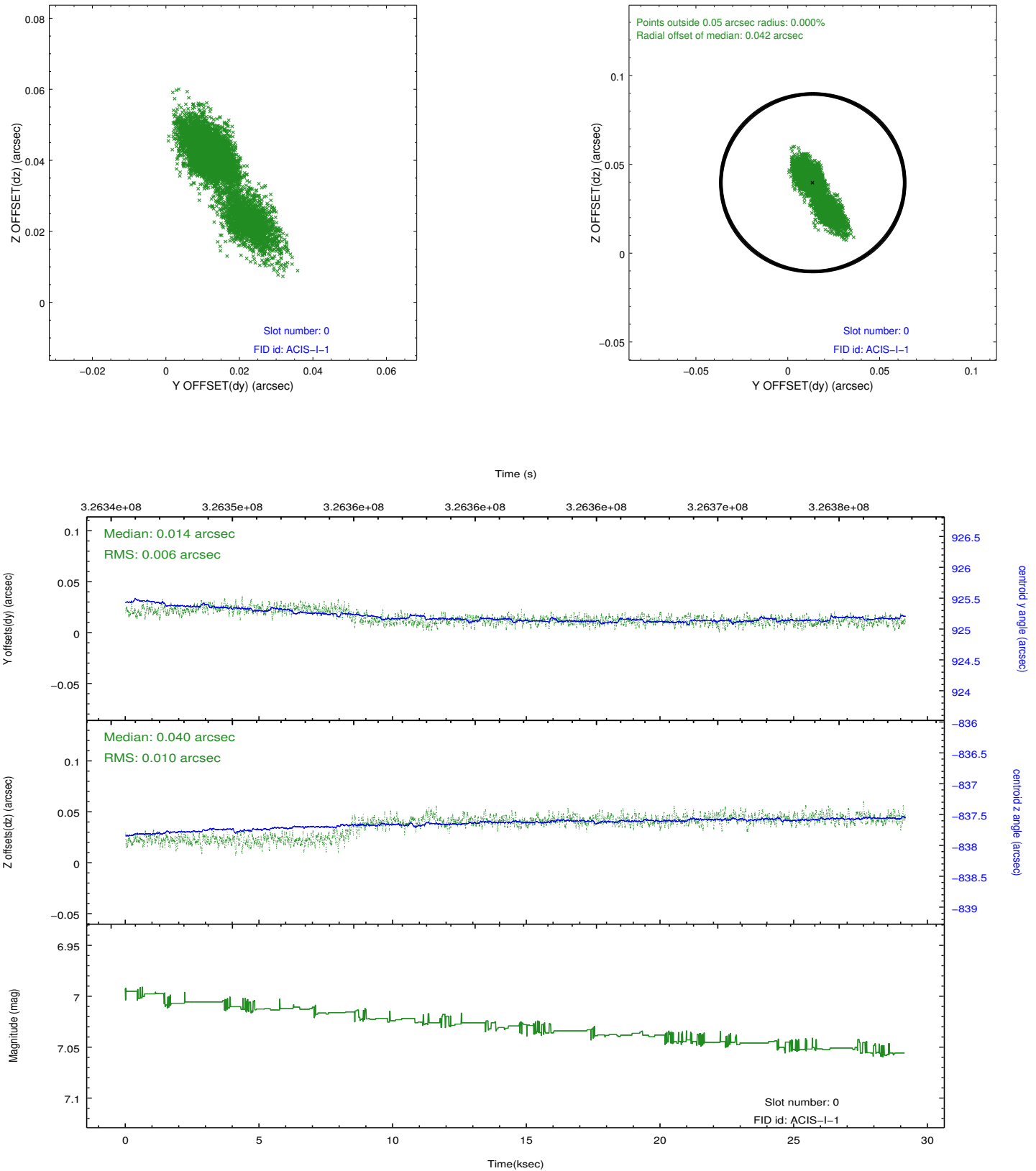


2.4.5 Slot 7

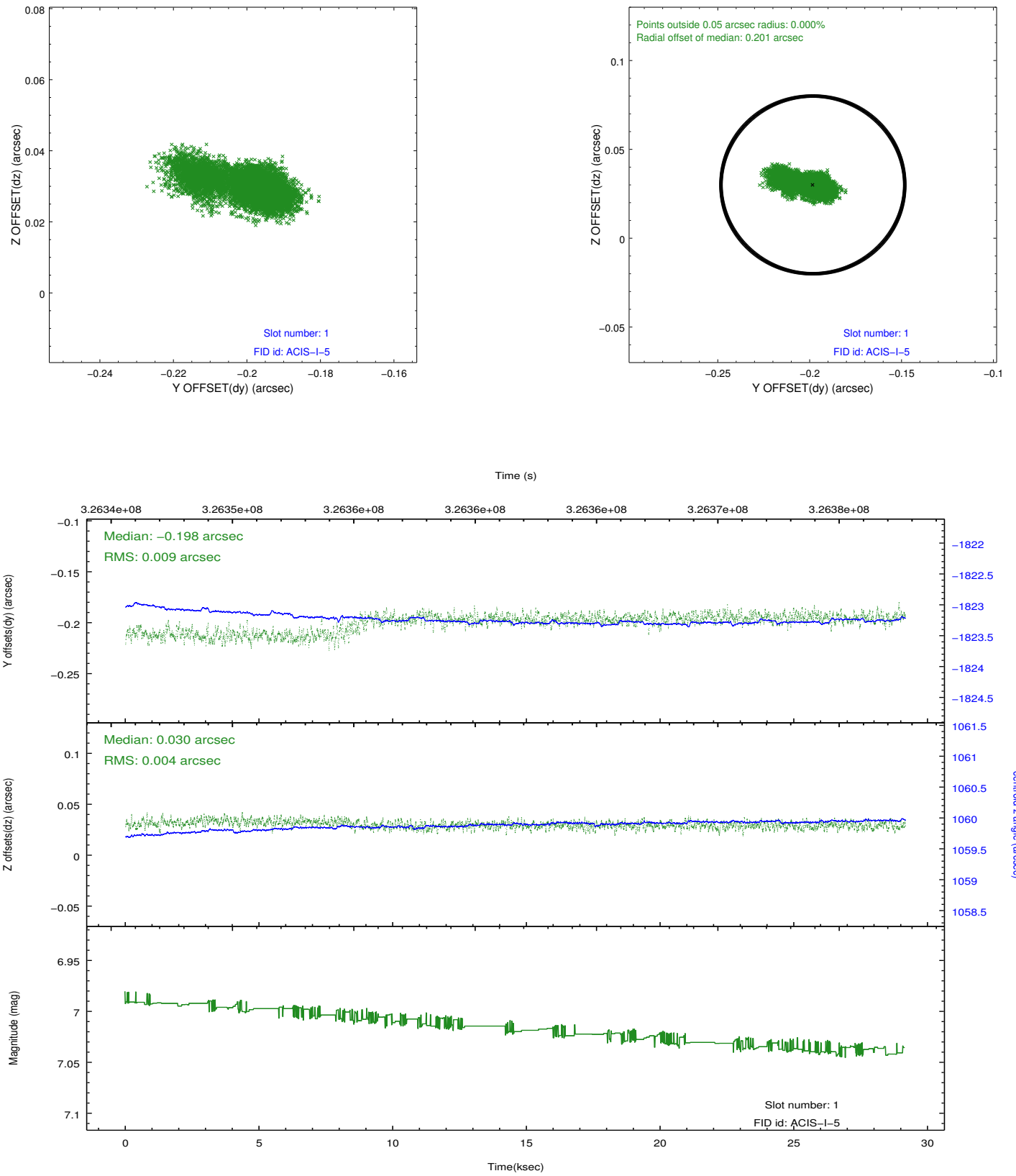


2.5 FID Slots

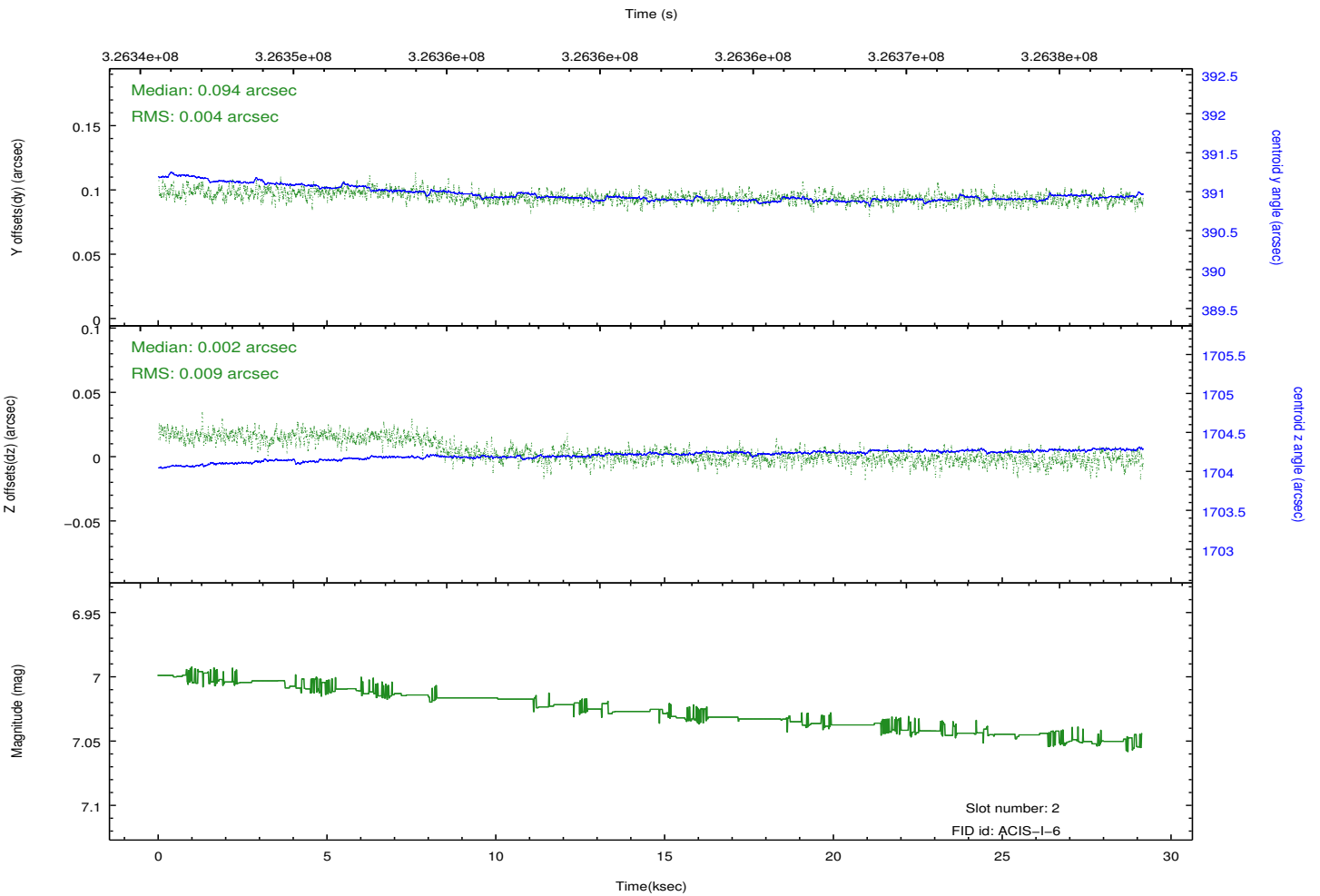
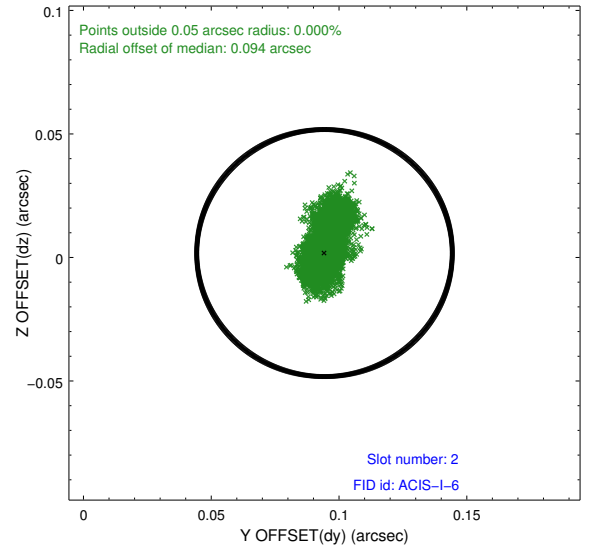
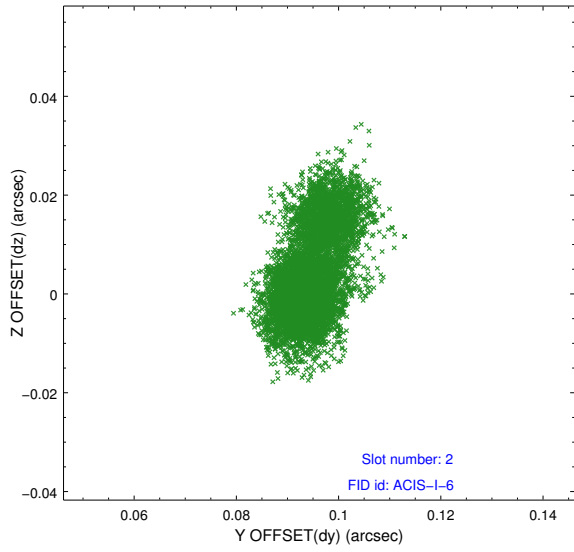
2.5.1 Slot 0



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)	2012.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.9551588

A.2 Comments

Coordinated with VLA. Time constraint met.