

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9225 - L2 Version 2
Chandra X-Ray Center

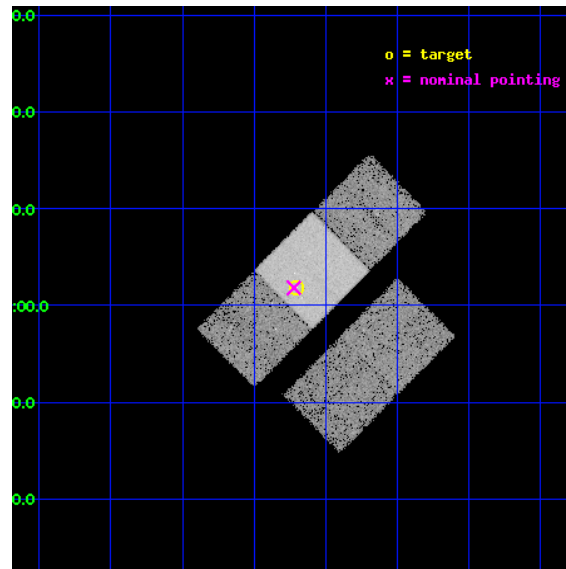
L2 Processing Date : May 23 2012

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1 Front

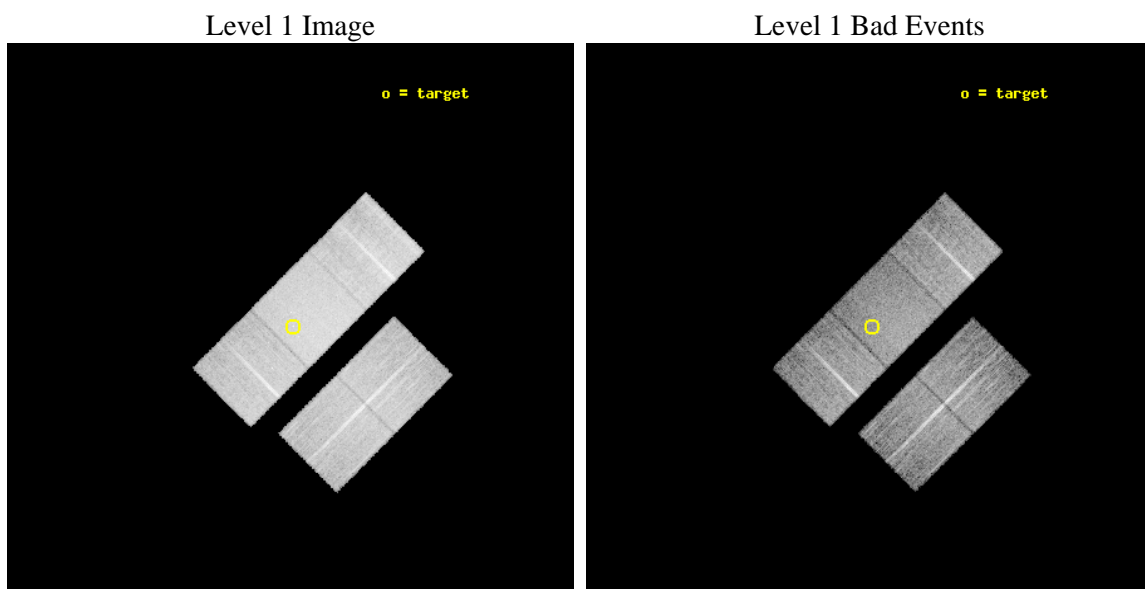
seq_num	701666	Sequence number
obs_id	9225	Observation id
title	Deconstructing the Accretion Disk Wind in Quasars	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J0148+0001	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	27.050833	Observer's specified target RA [deg]
dec_targ	0.031444	Observer's specified target Dec [deg]
ra_nom	27.055521608231	Nominal RA [deg]
dec_nom	0.030368293657779	Nominal Dec [deg]
roll_nom	314.96813280086	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10676.400082111	Sum of GTIs [s]
livetime	10536.905055187	Livetime [s]
ontime2	10676.400082111	Sum of GTIs [s]
ontime3	10676.400082111	Sum of GTIs [s]
ontime6	10676.400082111	Sum of GTIs [s]
ontime7	10676.400082111	Sum of GTIs [s]
ontime8	10676.400082111	Sum of GTIs [s]
l2events	106731	Number of level 2 events



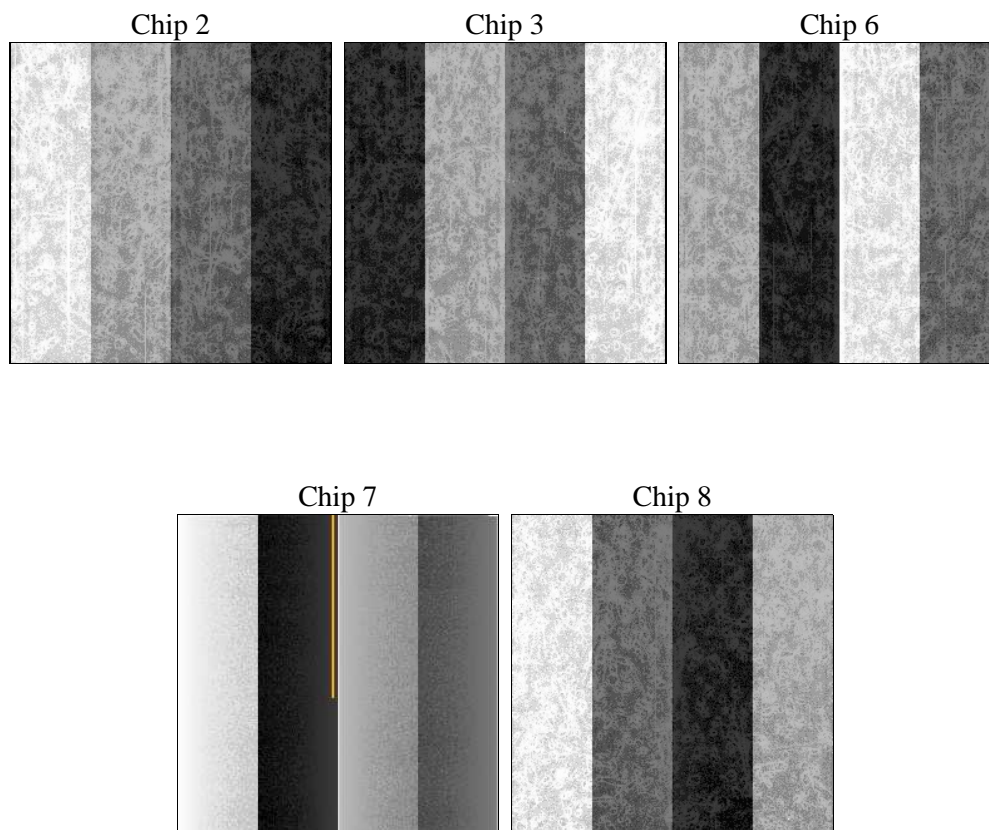
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10676.400082111	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10676.400082111	Sum of GTIs [s]
date	2012-05-23T13:40:01	Date and time of file creation	ontime3	10676.400082111	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10676.400082111	Sum of GTIs [s]
			ontime7	10676.400082111	Sum of GTIs [s]
			ontime8	10676.400082111	Sum of GTIs [s]
			l1events	678250	Number of level 1 events

2.1.4 Events

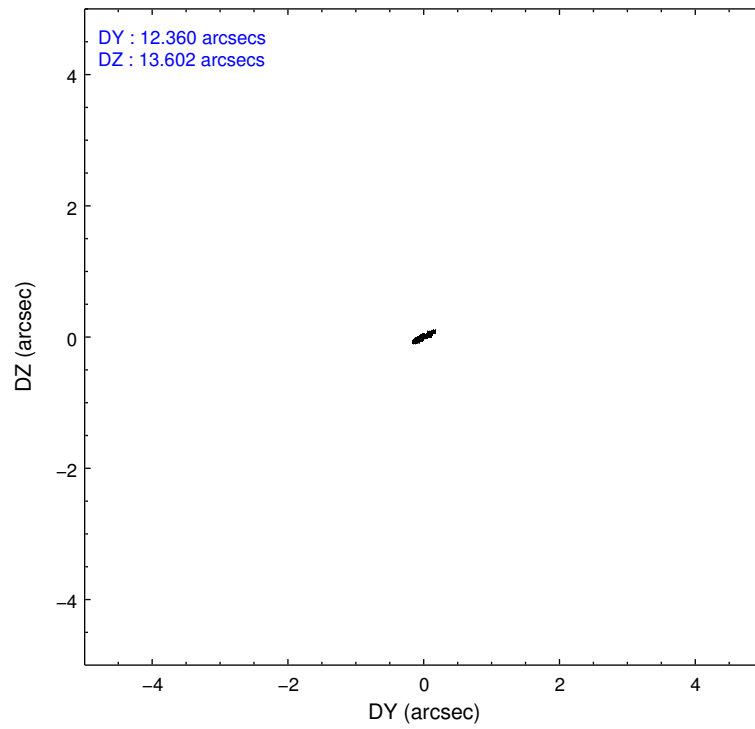
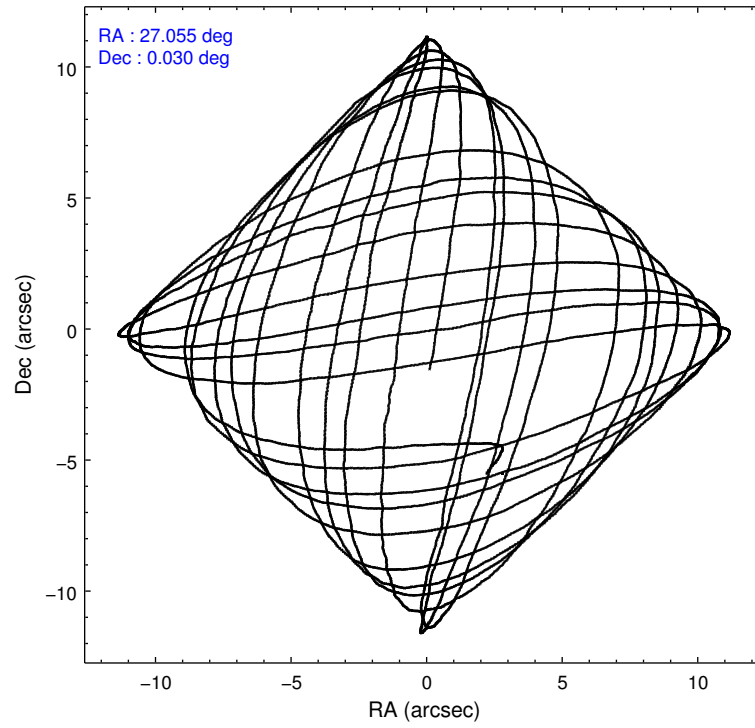
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	114769	114787	120625	170572	157497
rejected events	102347	102065	107461	108400	125306
rejected %	89%	88%	89%	63%	79%

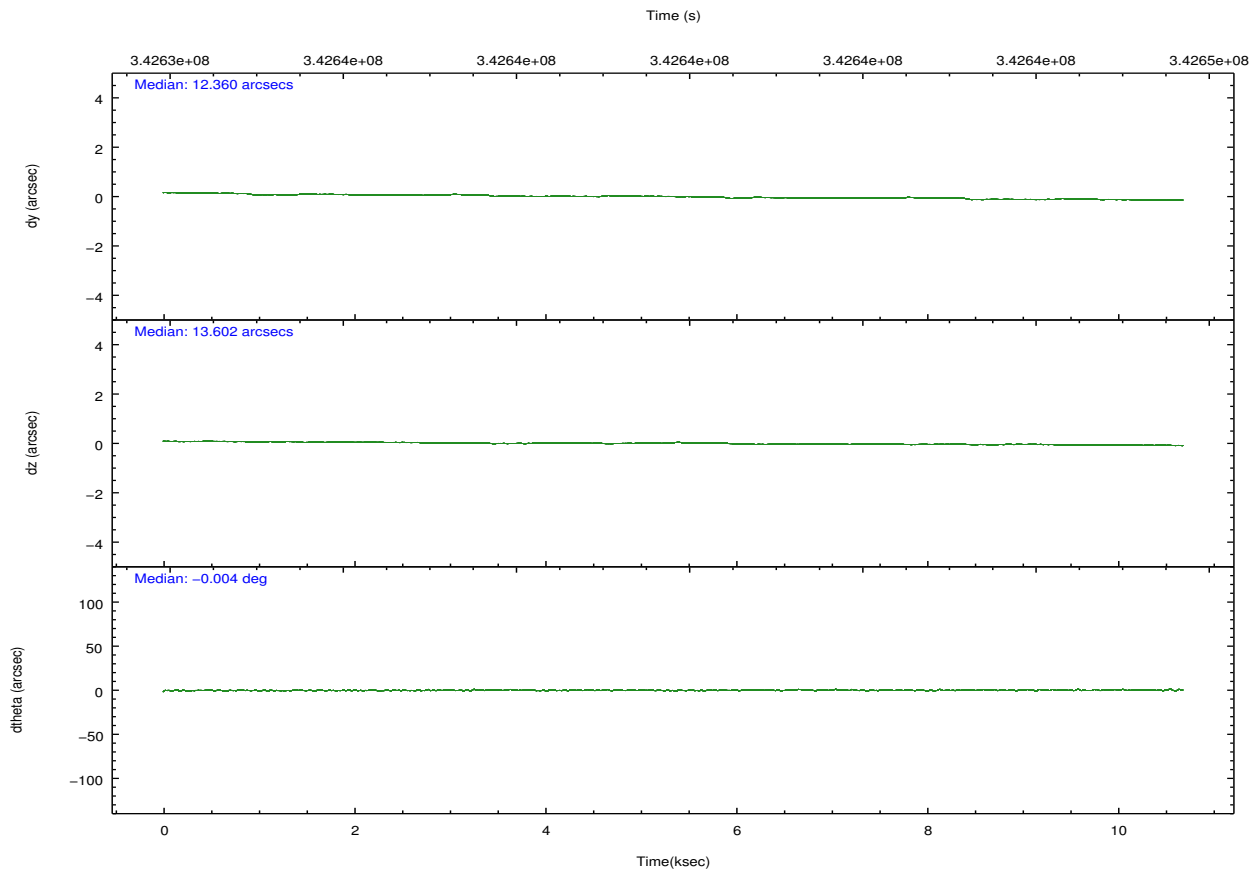
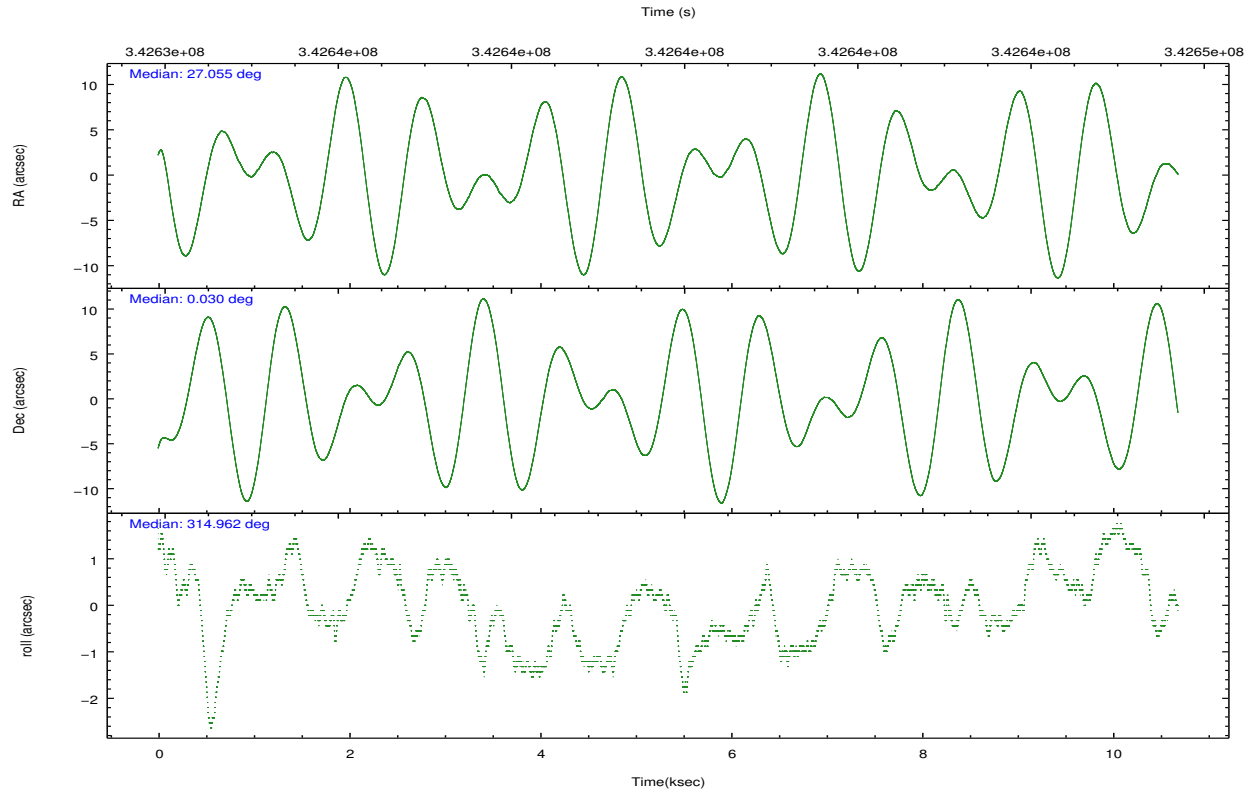
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6106	6125	5767	6002	11387
	5%	5%	4%	3%	7%
grade 1 events	74	81	83	213	127
	0%	0%	0%	0%	0%
grade 2 events	3096	2909	3324	14247	8244
	2%	2%	2%	8%	5%
grade 3 events	1297	1403	1403	5925	3801
	1%	1%	1%	3%	2%
grade 4 events	1267	1386	1333	5857	3541
	1%	1%	1%	3%	2%
grade 5 events	4715	5742	5882	16260	7881
	4%	5%	4%	9%	5%
grade 6 events	2379	2622	3065	38478	9584
	2%	2%	2%	22%	6%
grade 7 events	95835	94519	99768	83590	112932
	83%	82%	82%	49%	71%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	27.029048	27.05552160823083	CCD I2 on	O1	Y
[deg] Pointing Dec	0.037057	0.03036829365777889	CCD I3 on	Y	Y
[deg] Pointing Roll	314.811510	314.9681328008642	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	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)	342634637.184000	342632918.17427	CCD S5 on	N	N
Observation start date	2008-11-09T16:16:12	2008-11-09T15:48:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	342645137.184000	342646524.53744	On-chip summing requested	N	N
Observation end date	2008-11-09T19:11:12	2008-11-09T19:35:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



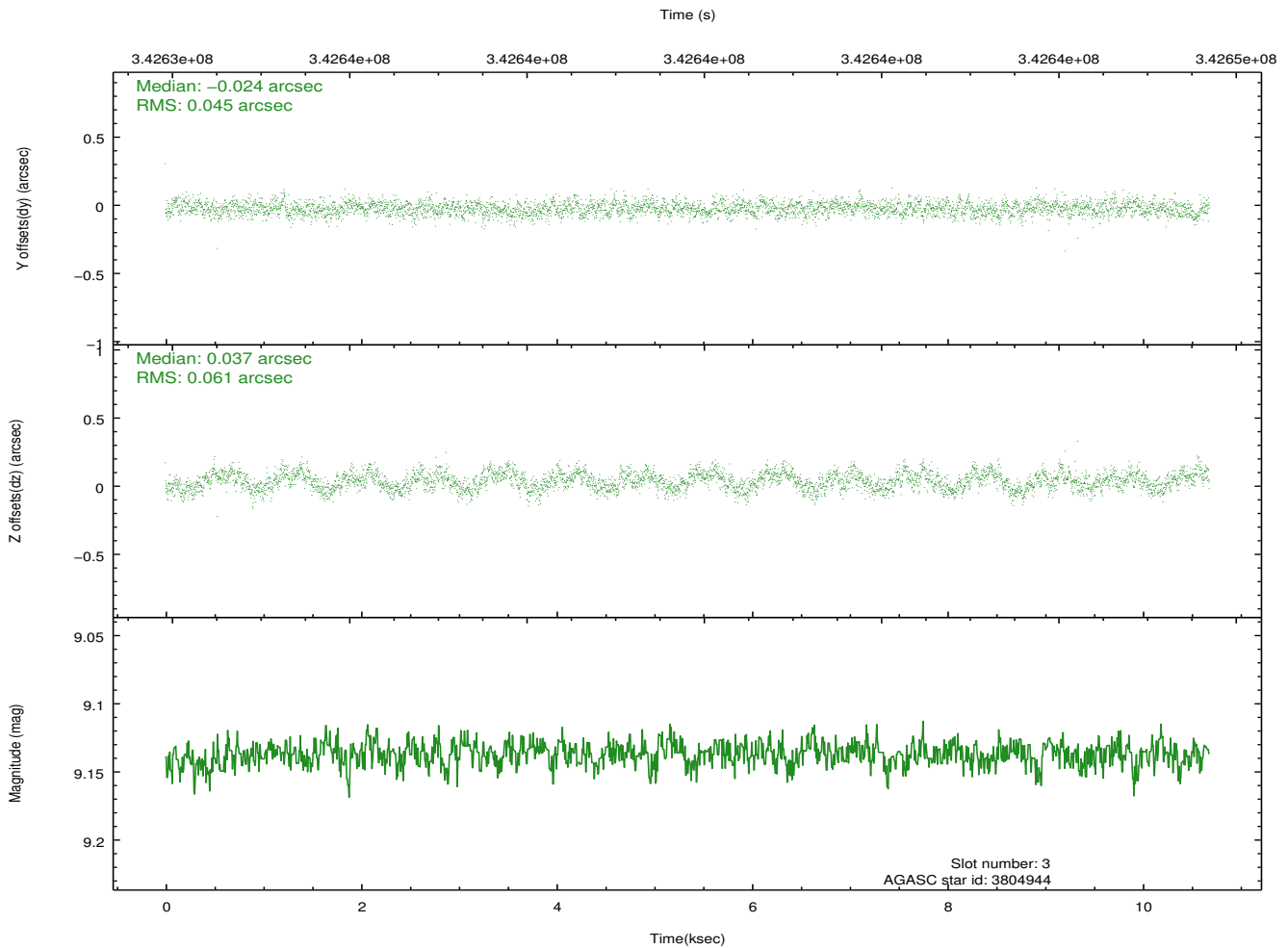
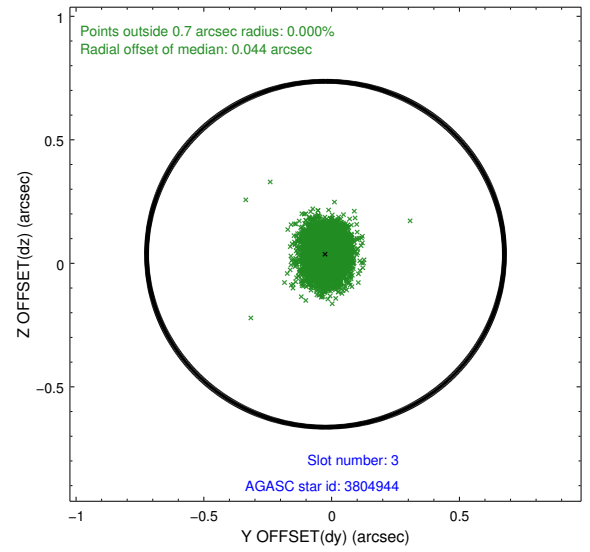
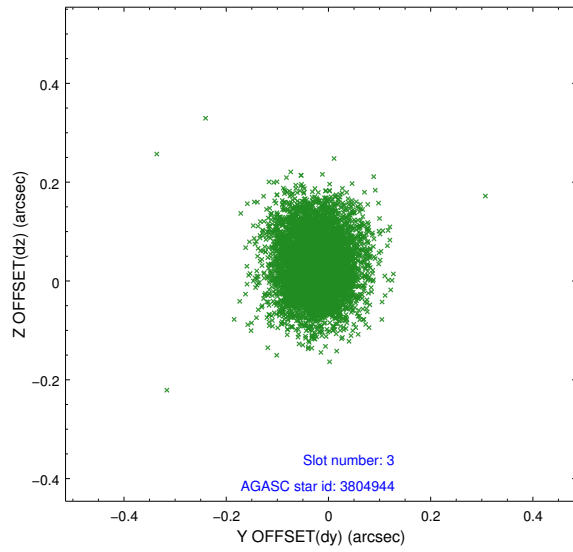


Slot Statistics

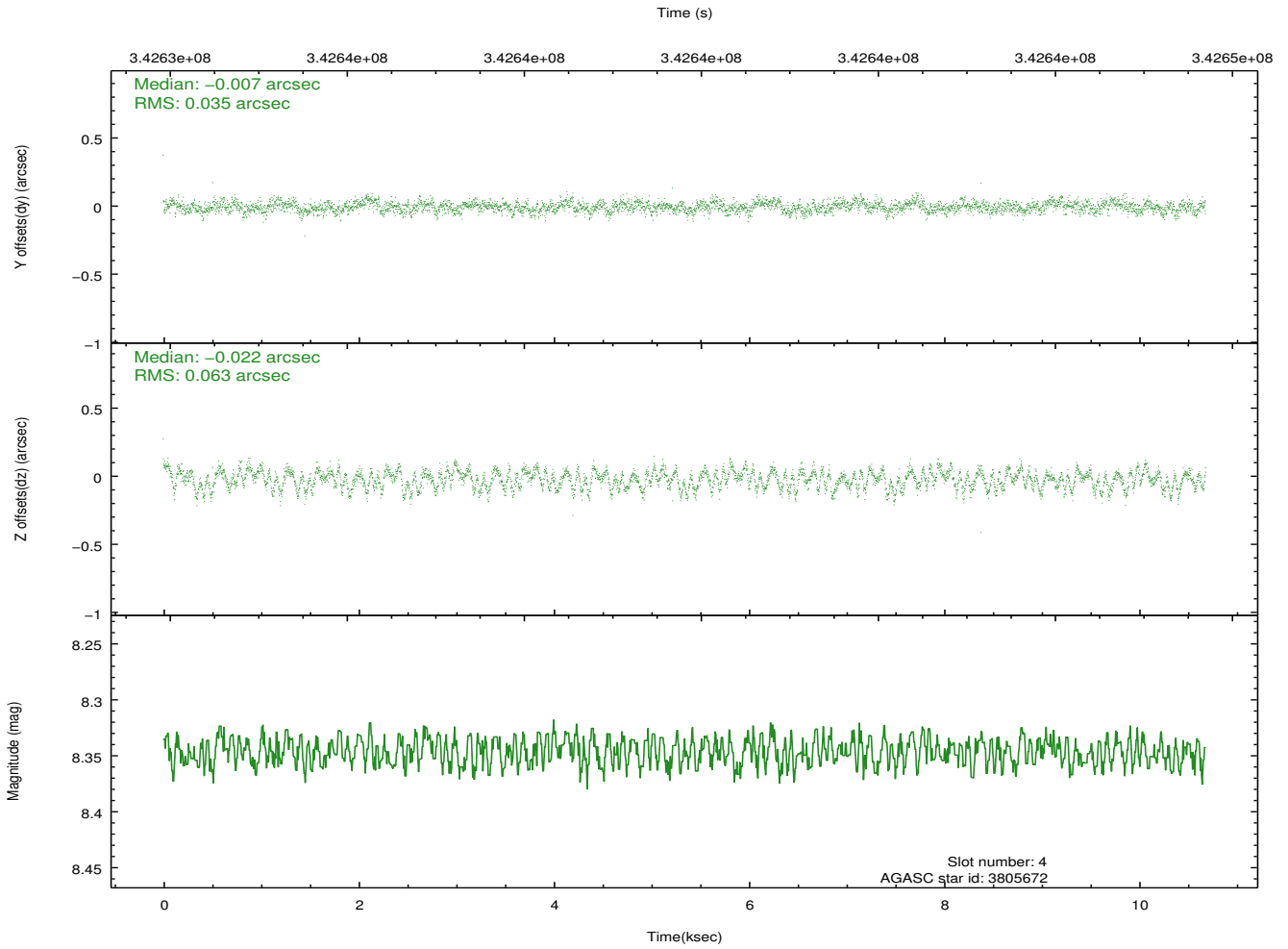
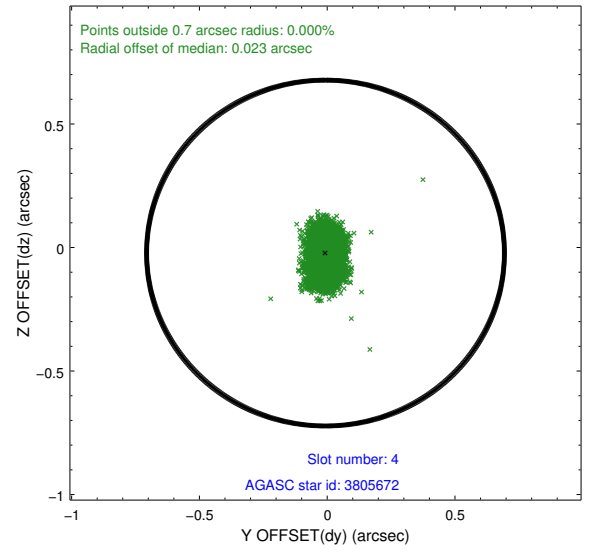
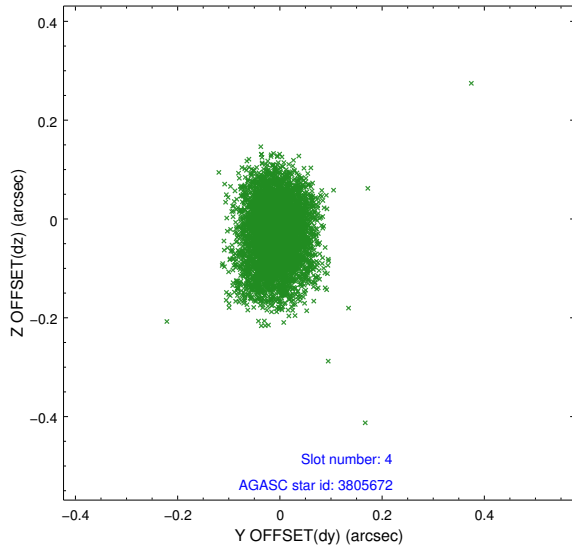
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2606	-0.017	-0.022	0.007	0.011	0.000000	0.000000	-765.27	-1734.96
1	FID	ACIS-S-4	7.01	2606	0.103	0.014	0.007	0.013	0.000000	0.000000	2147.91	173.04
2	FID	ACIS-S-5	7.04	2606	-0.118	0.017	0.007	0.013	0.000000	0.000000	-1817.58	167.28
3	GUIDE	3804944	9.14	5209	-0.024	0.037	0.081	0.130	26.479606	0.233641	-1895.52	-904.43
4	GUIDE	3805672	8.35	5209	-0.007	-0.022	0.076	0.126	26.586457	0.073060	-1214.55	-1039.15
5	GUIDE	3808216	7.89	5211	-0.076	-0.010	0.107	0.153	27.071052	0.452147	-953.53	1160.49
6	GUIDE	3809008	8.93	5211	-0.035	0.039	0.074	0.119	26.677080	0.194836	-1295.08	-497.92
7	GUIDE	614213736	9.16	5210	0.132	-0.035	0.099	0.153	27.170208	-0.361551	1376.59	-650.60

2.4 Star Slots

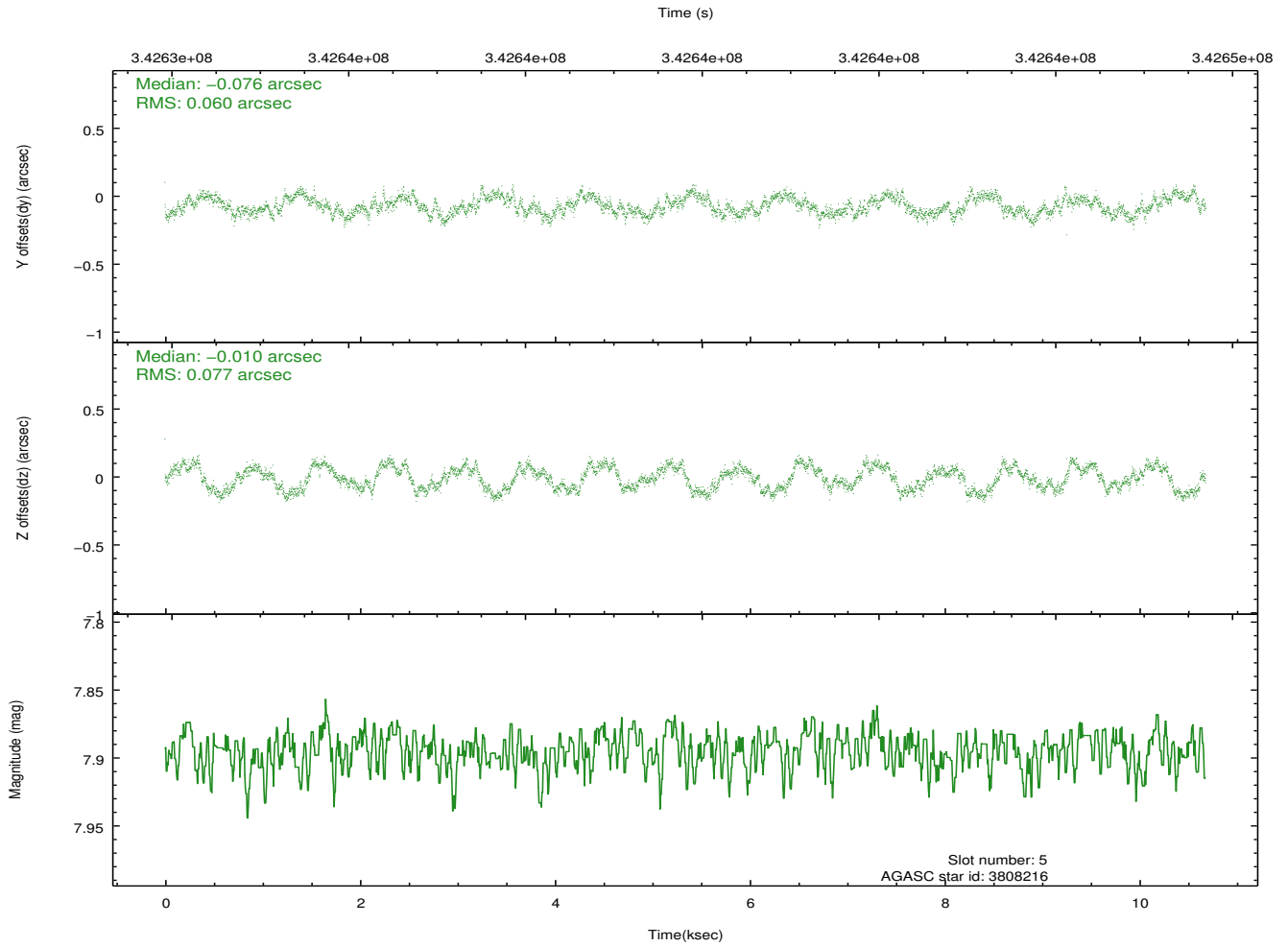
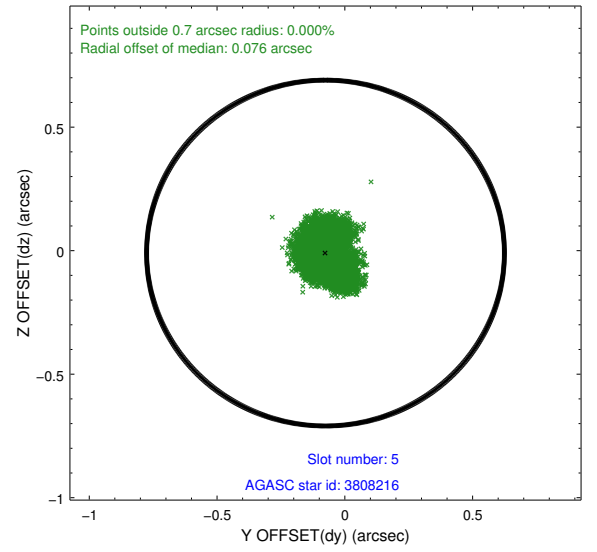
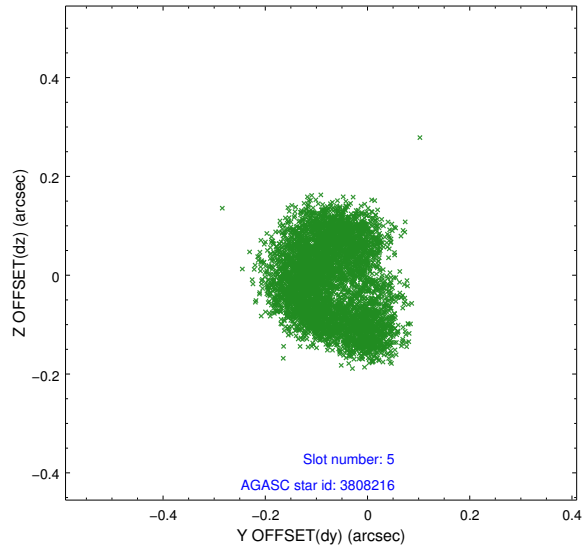
2.4.1 Slot 3



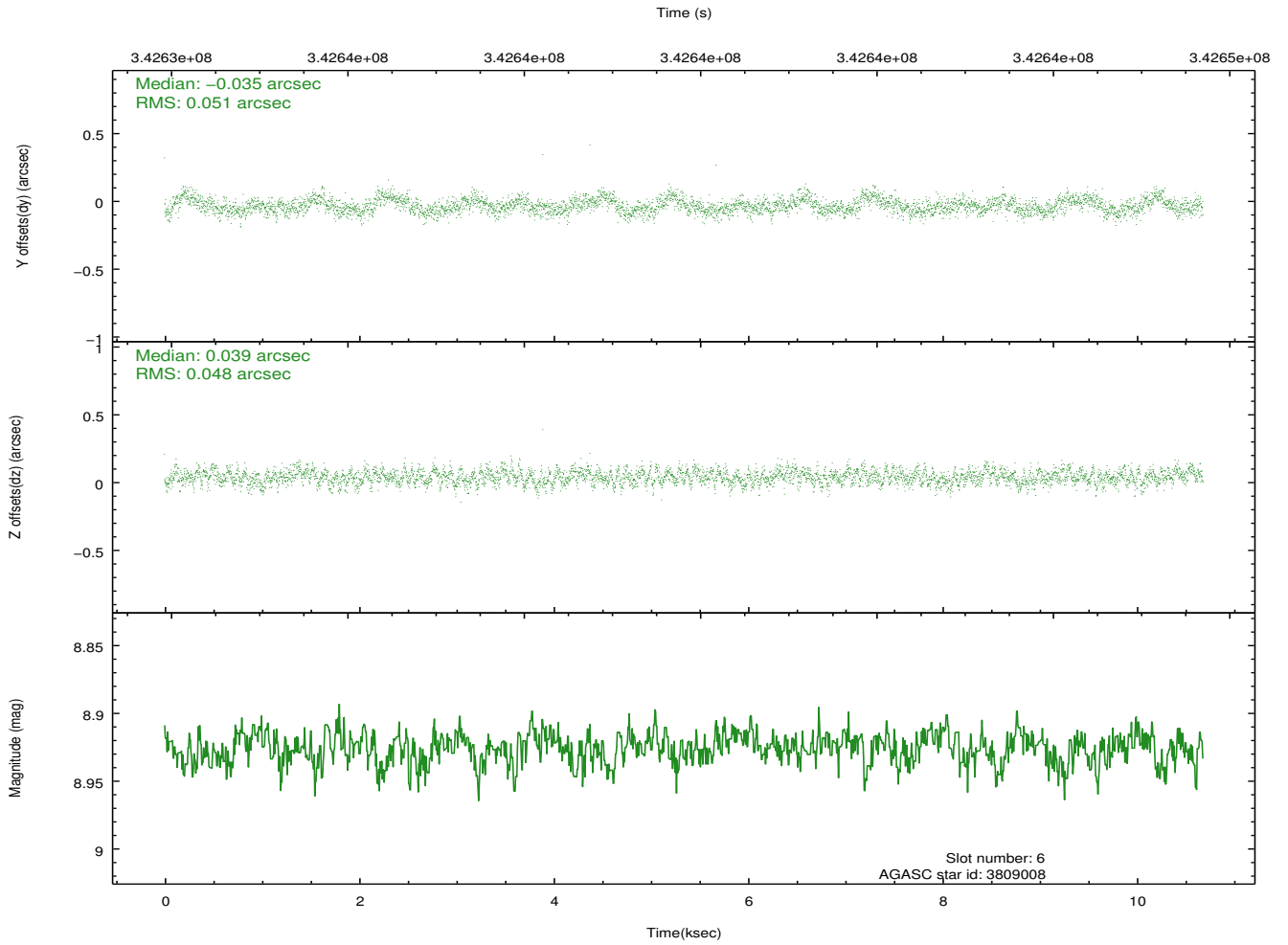
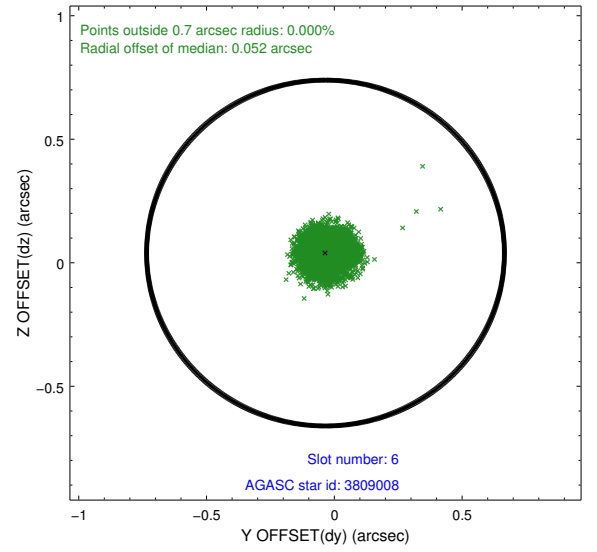
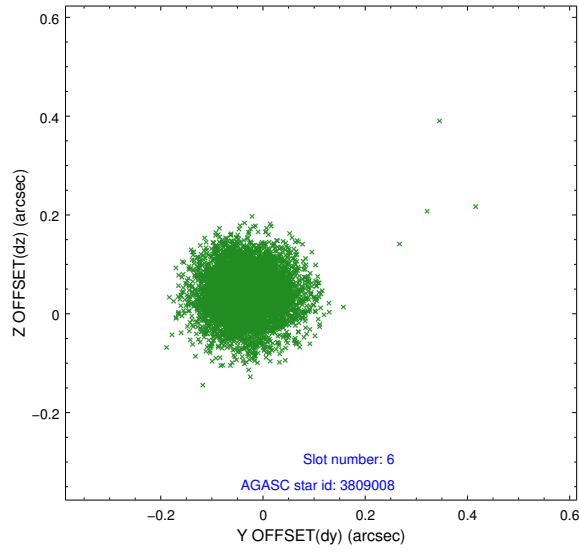
2.4.2 Slot 4



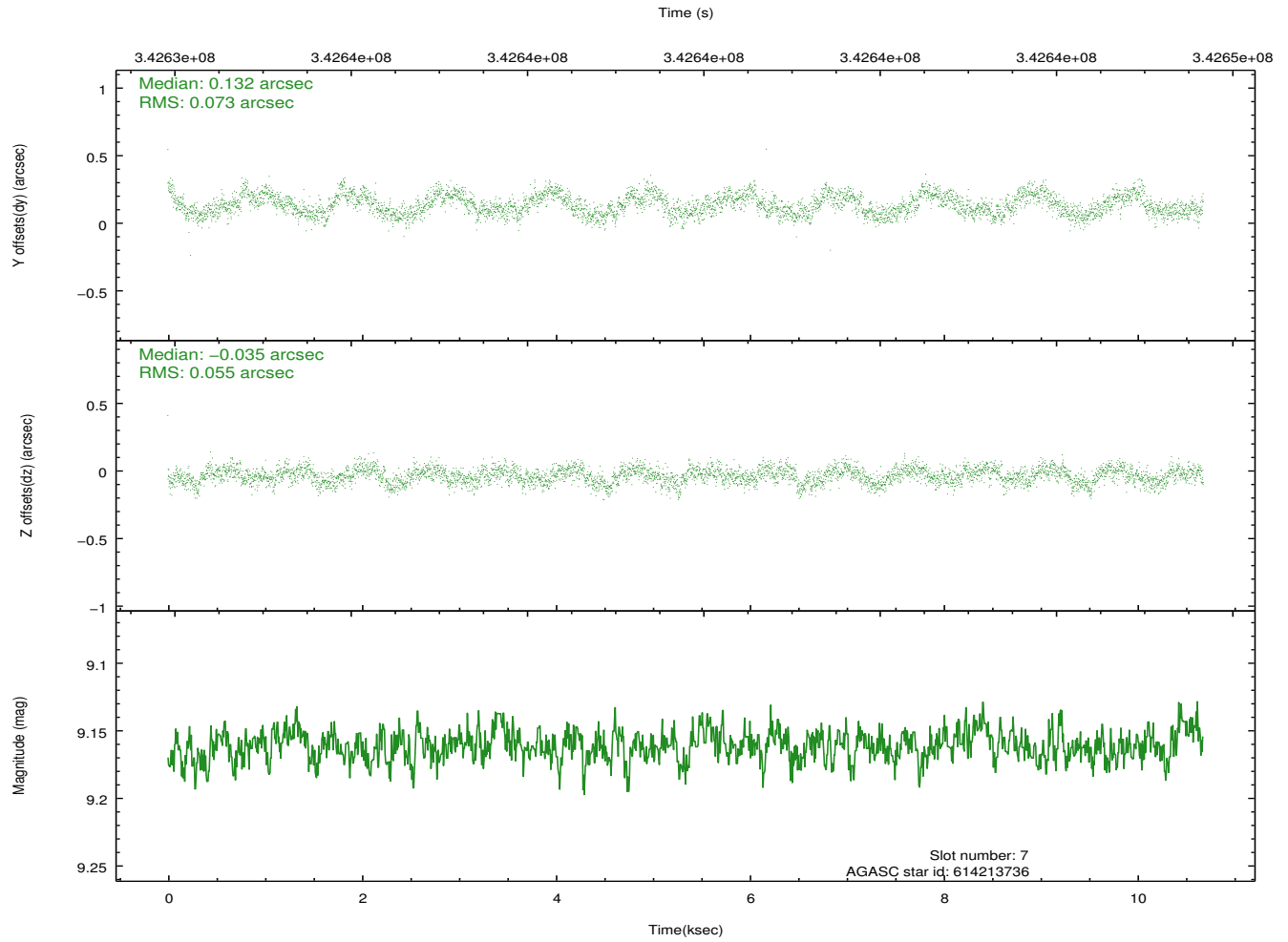
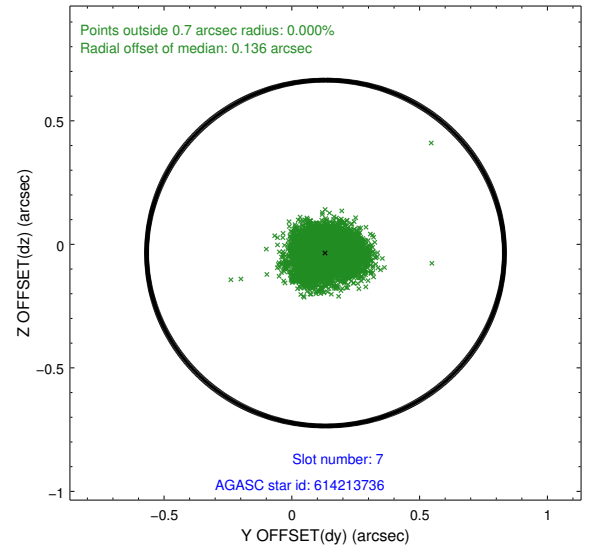
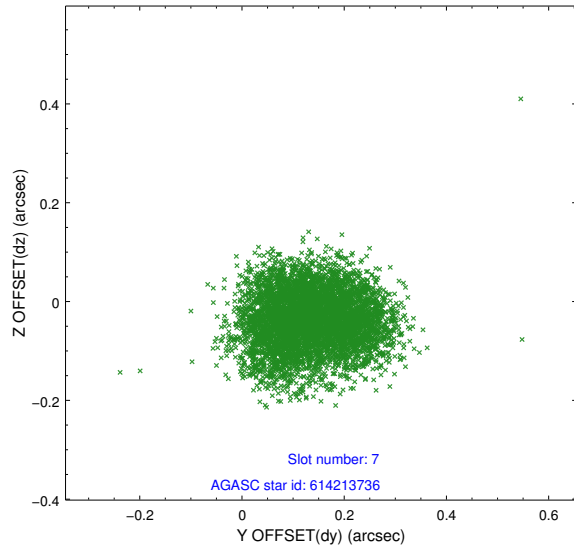
2.4.3 Slot 5



2.4.4 Slot 6

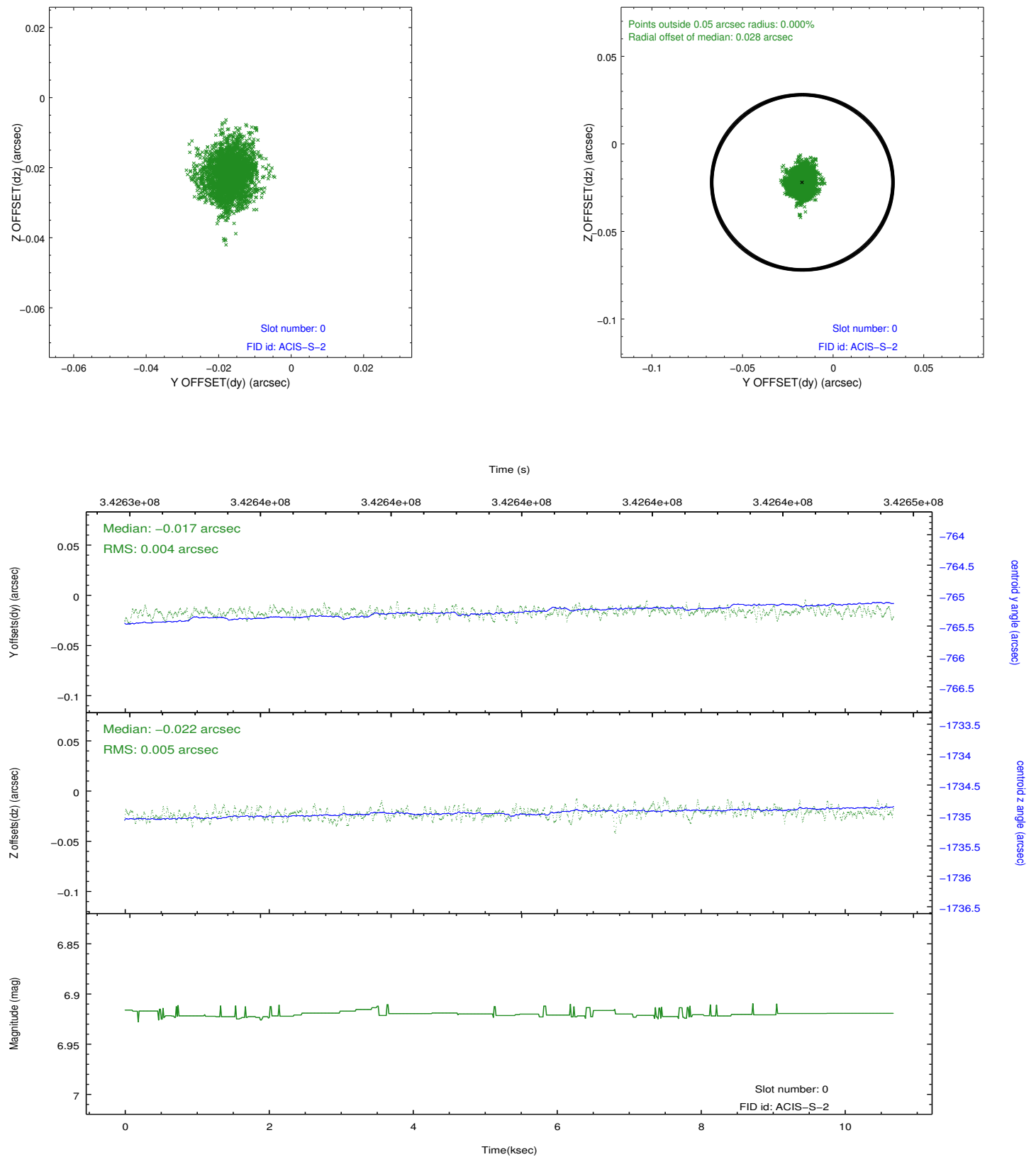


2.4.5 Slot 7

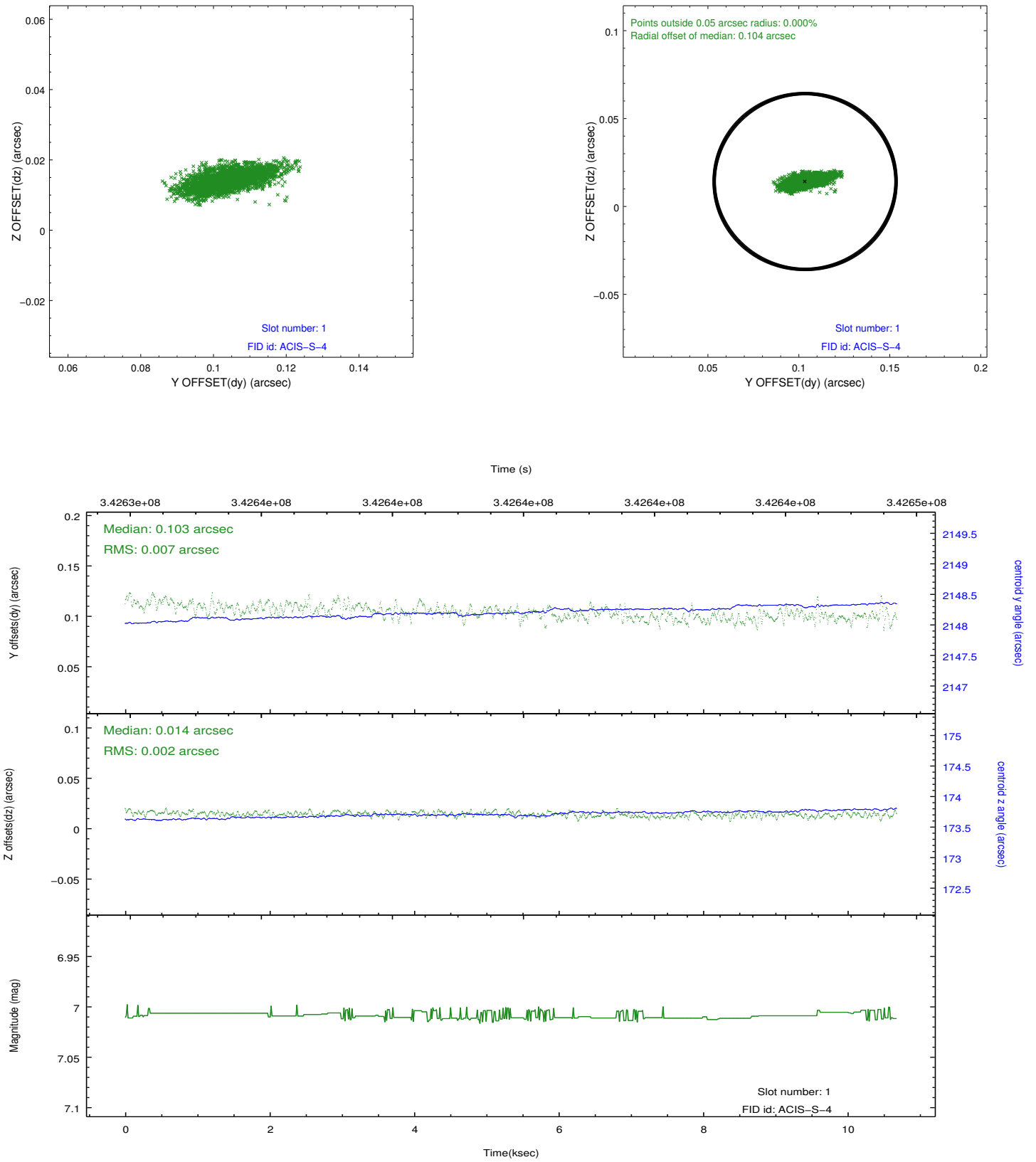


2.5 FID Slots

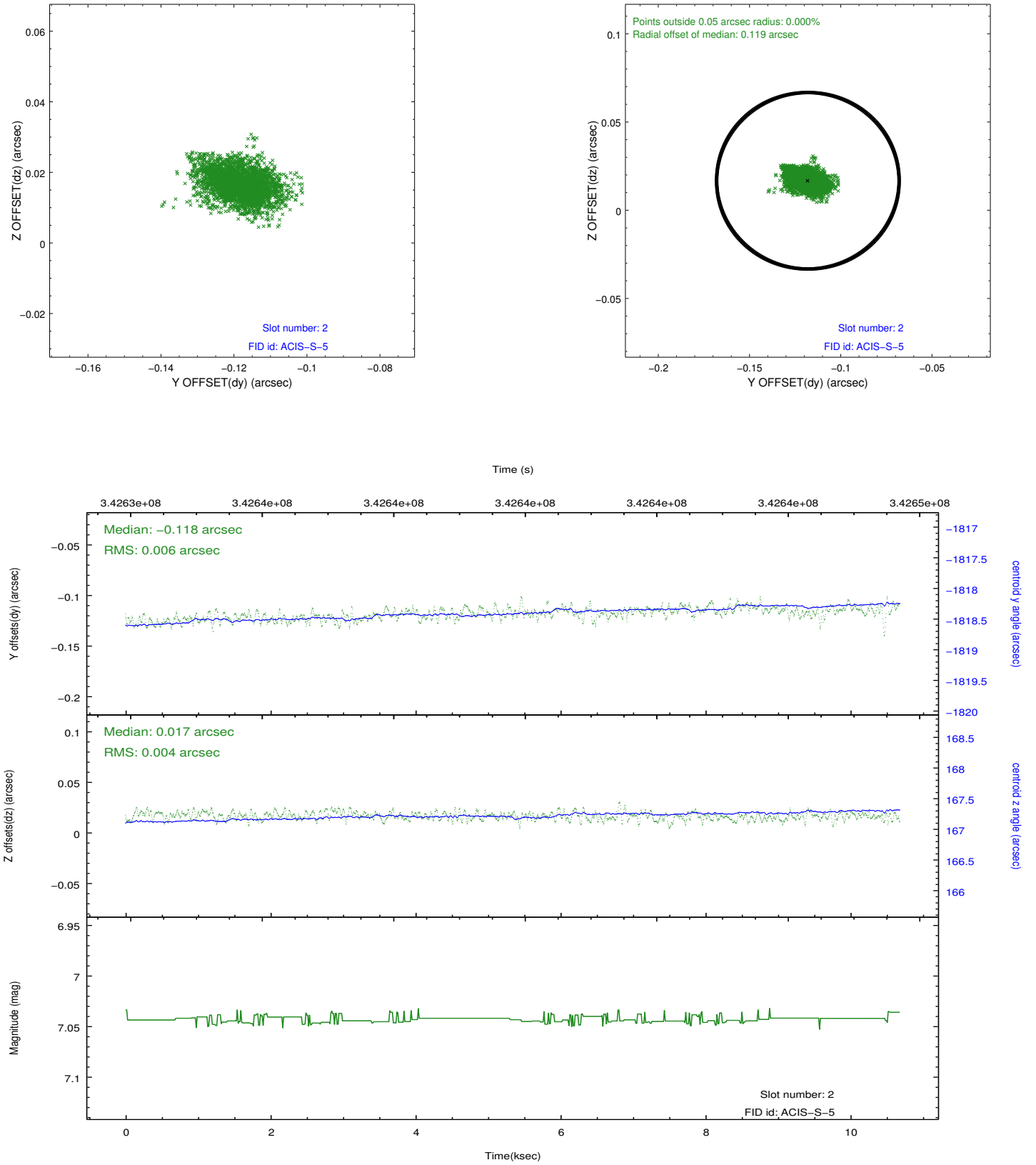
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.6764

A.2 Comments