

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7529 - L2 Version 3
Chandra X-Ray Center

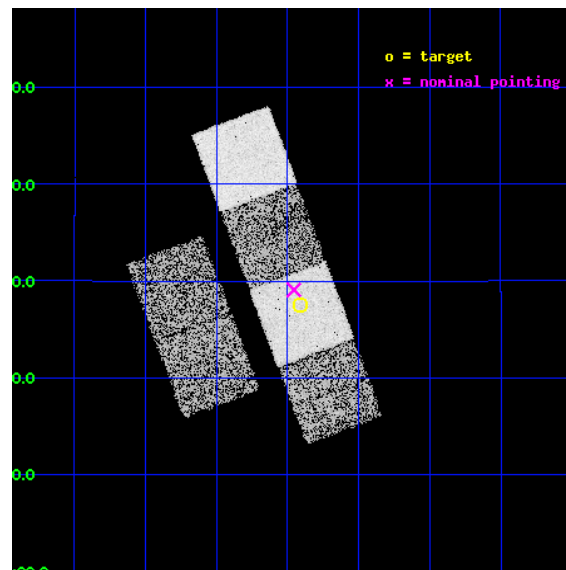
L2 Processing Date : Apr 20 2012

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1 Front

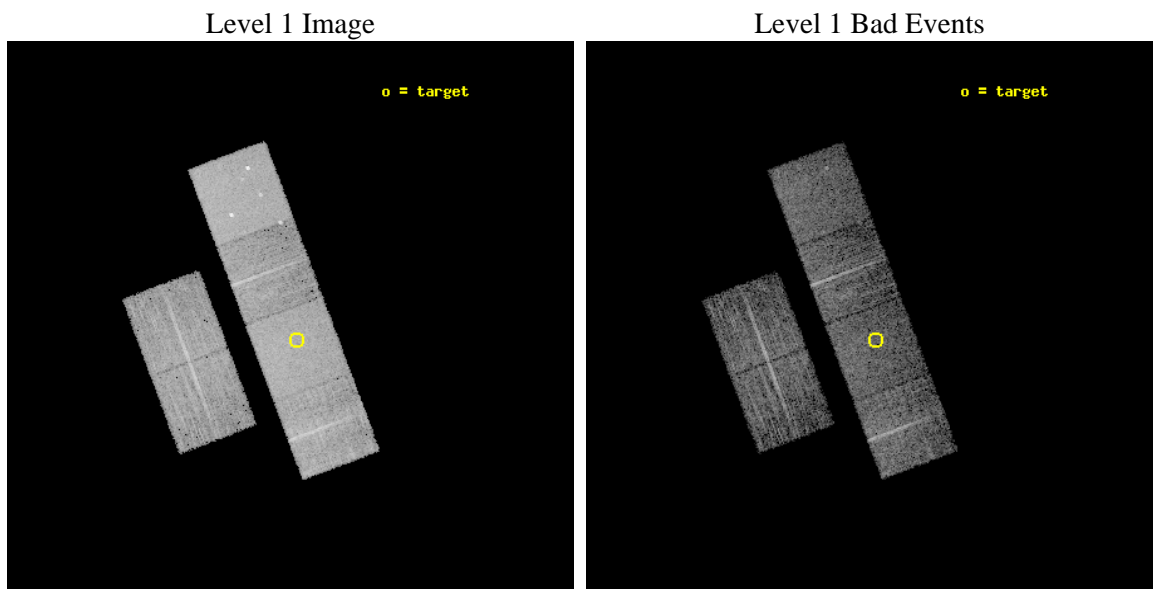
seq_num	400639	Sequence number
obs_id	7529	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J18539+0727	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	283.477083	Observer's specified target RA [deg]
dec_targ	7.458	Observer's specified target Dec [deg]
ra_nom	283.48898163223	Nominal RA [deg]
dec_nom	7.4847324185391	Nominal Dec [deg]
roll_nom	69.451619295572	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4655.4492330551	Sum of GTIs [s]
livetime	4596.4991316912	Livetime [s]
ontime2	4655.4902730584	Sum of GTIs [s]
ontime3	4655.3261130452	Sum of GTIs [s]
ontime5	4655.4081930518	Sum of GTIs [s]
ontime6	4655.3671530485	Sum of GTIs [s]
ontime7	4655.4492330551	Sum of GTIs [s]
ontime8	4655.2850730419	Sum of GTIs [s]
l2events	70330	Number of level 2 events



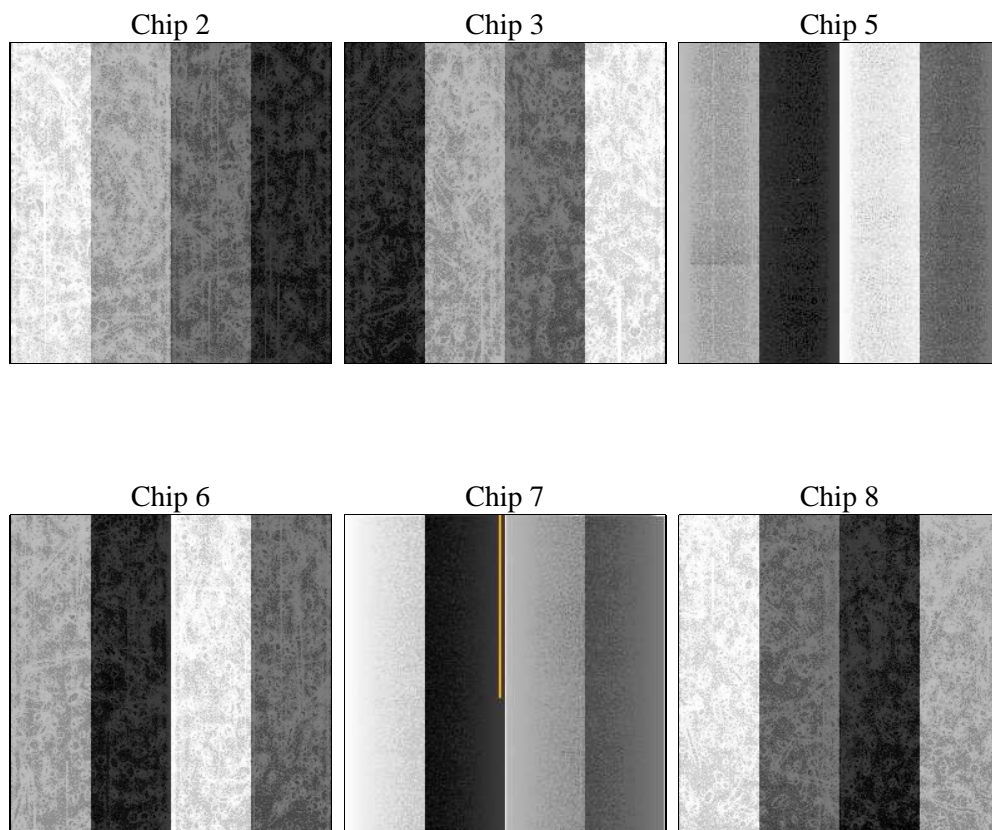
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4655.4492330551	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4655.4902730584	Sum of GTIs [s]
date	2012-04-20T04:48:26	Date and time of file creation	ontime3	4655.3261130452	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4655.4081930518	Sum of GTIs [s]
			ontime6	4655.3671530485	Sum of GTIs [s]
			ontime7	4655.4492330551	Sum of GTIs [s]
			ontime8	4655.2850730419	Sum of GTIs [s]
			l1events	306057	Number of level 1 events

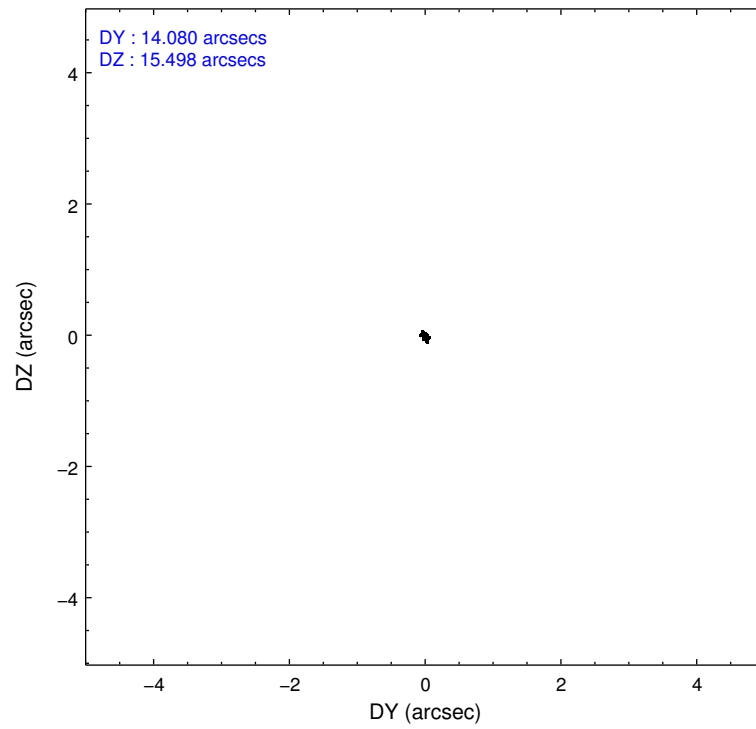
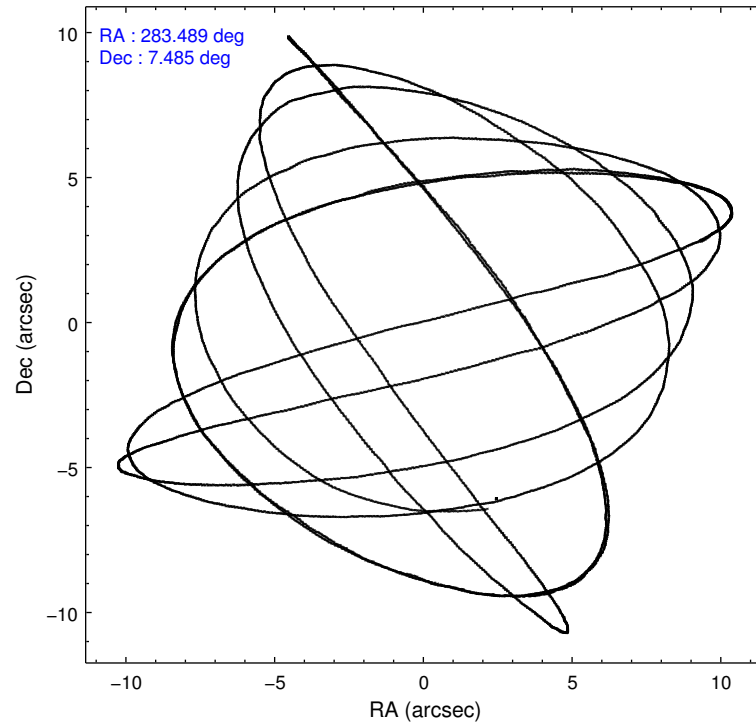
2.1.4 Events

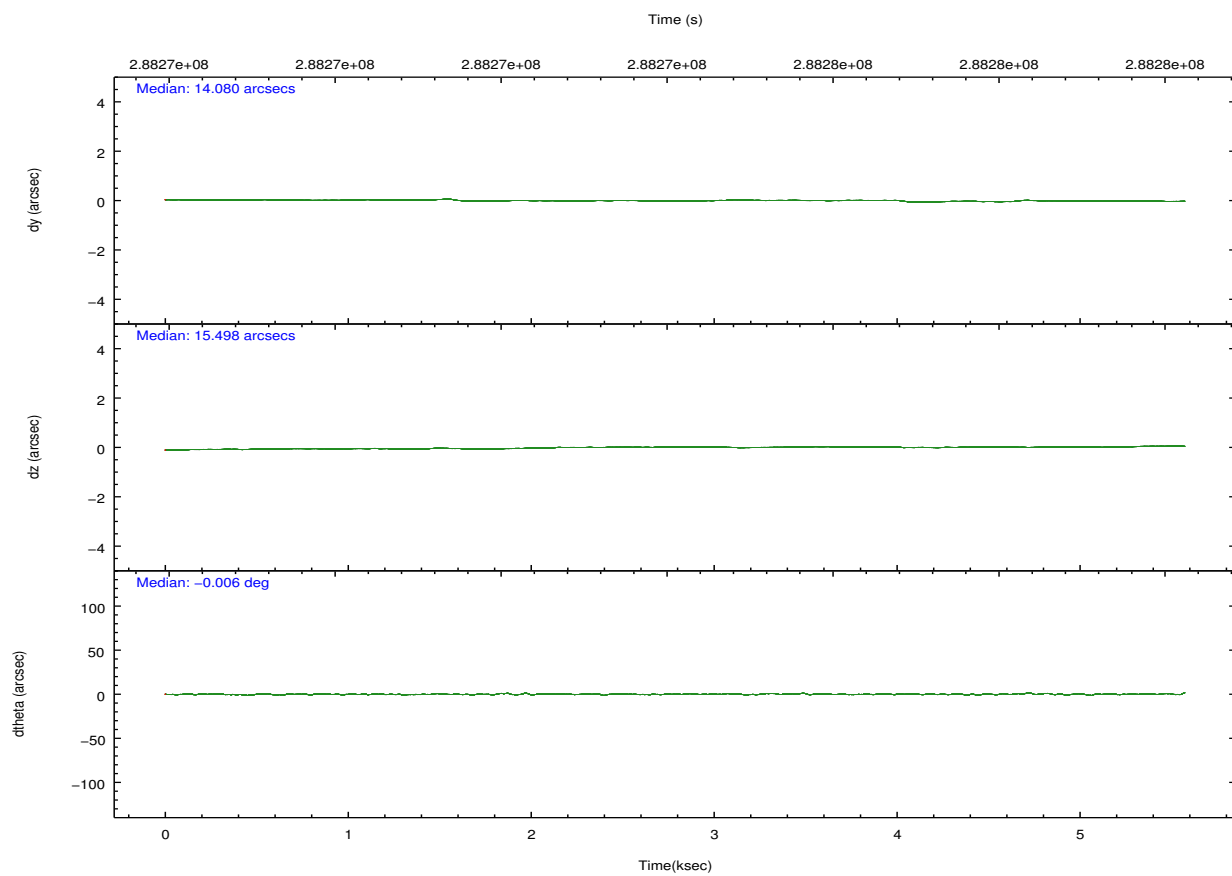
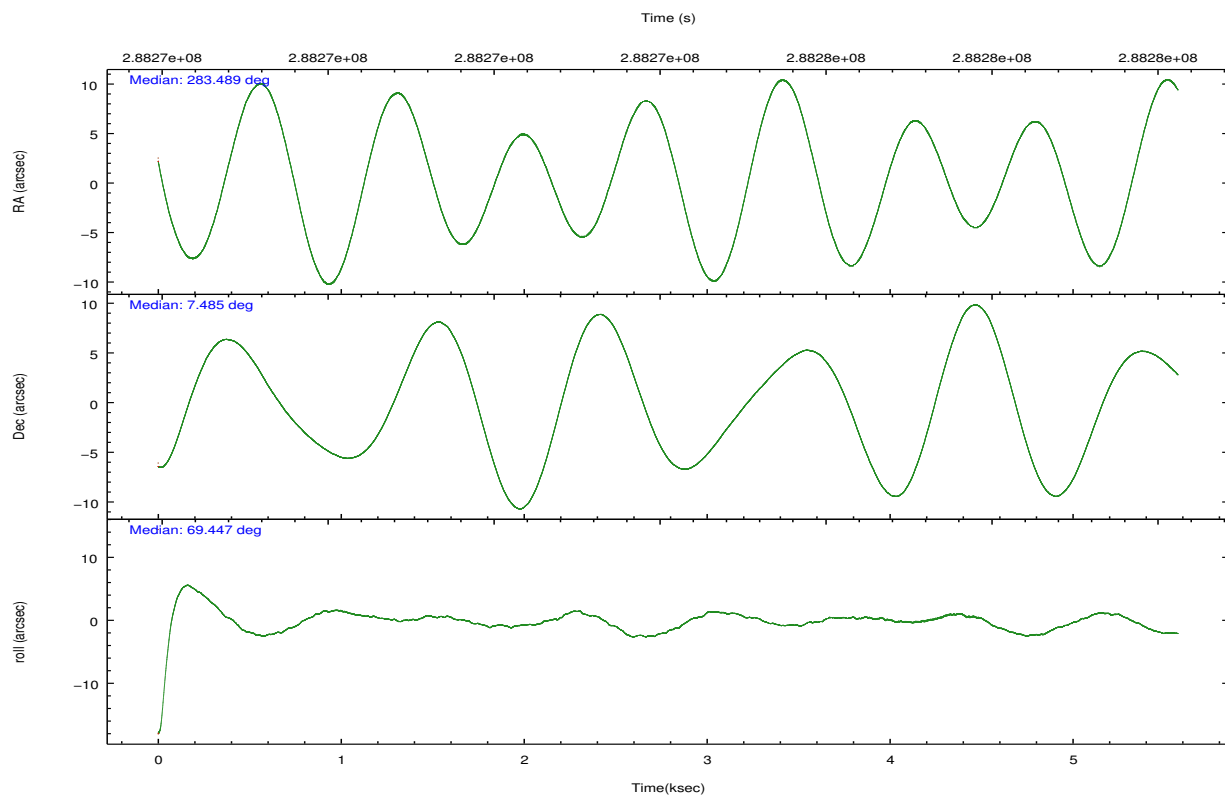
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	42801	41229	67716	41907	58371	54033	grade 0 events	2292	2116	4130	2076	2079	3716
rejected events	37708	36283	36010	36662	34137	41612		5%	5%	6%	4%	3%	6%
rejected %	88%	88%	53%	87%	58%	77%	grade 1 events	24	22	246	22	63	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	1052	1012	9494	1122	4854	2857
								2%	2%	14%	2%	8%	5%
							grade 3 events	453	474	1100	462	2014	1207
								1%	1%	1%	1%	3%	2%
							grade 4 events	459	487	1102	484	2052	1204
								1%	1%	1%	1%	3%	2%
							grade 5 events	1716	1922	4811	2007	5593	2690
								4%	4%	7%	4%	9%	4%
							grade 6 events	844	863	15921	1105	13286	3446
								1%	2%	23%	2%	22%	6%
							grade 7 events	35961	34333	30912	34629	28430	38875
								84%	83%	45%	82%	48%	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	283.493884	283.4889816322313	CCD I2 on	O2	Y
[deg] Pointing Dec	7.457755	7.484732418539061	CCD I3 on	Y	Y
[deg] Pointing Roll	69.294405	69.45161929557203	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	Y	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	Y	Y
[s] Observation start time (MET)	288272138.184000	288270831.7828	CCD S5 on	N	N
Observation start date	2007-02-19T11:34:33	2007-02-19T11:13:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	288276838.184000	288277717.73313	On-chip summing requested	N	N
Observation end date	2007-02-19T12:52:53	2007-02-19T13:08:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



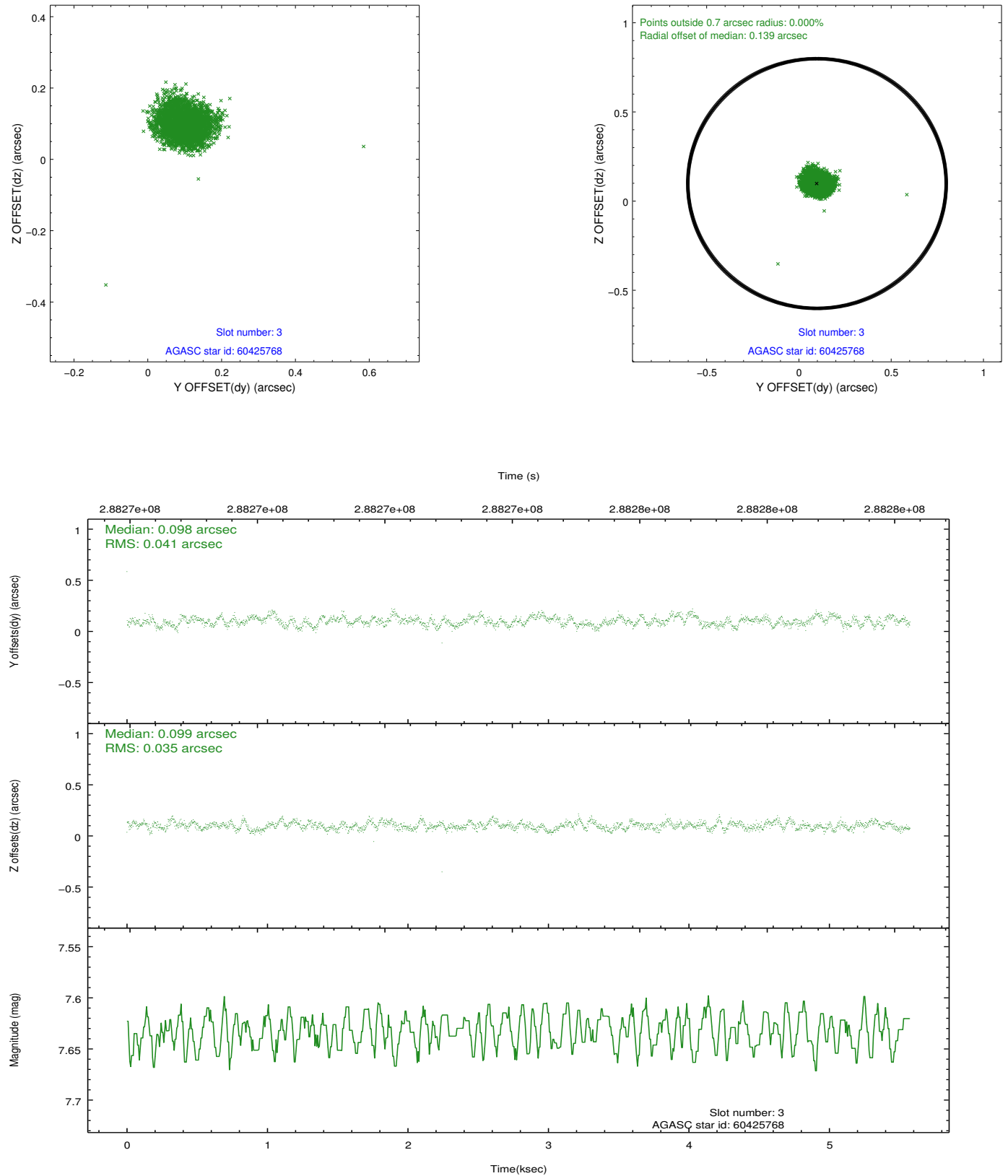


Slot Statistics

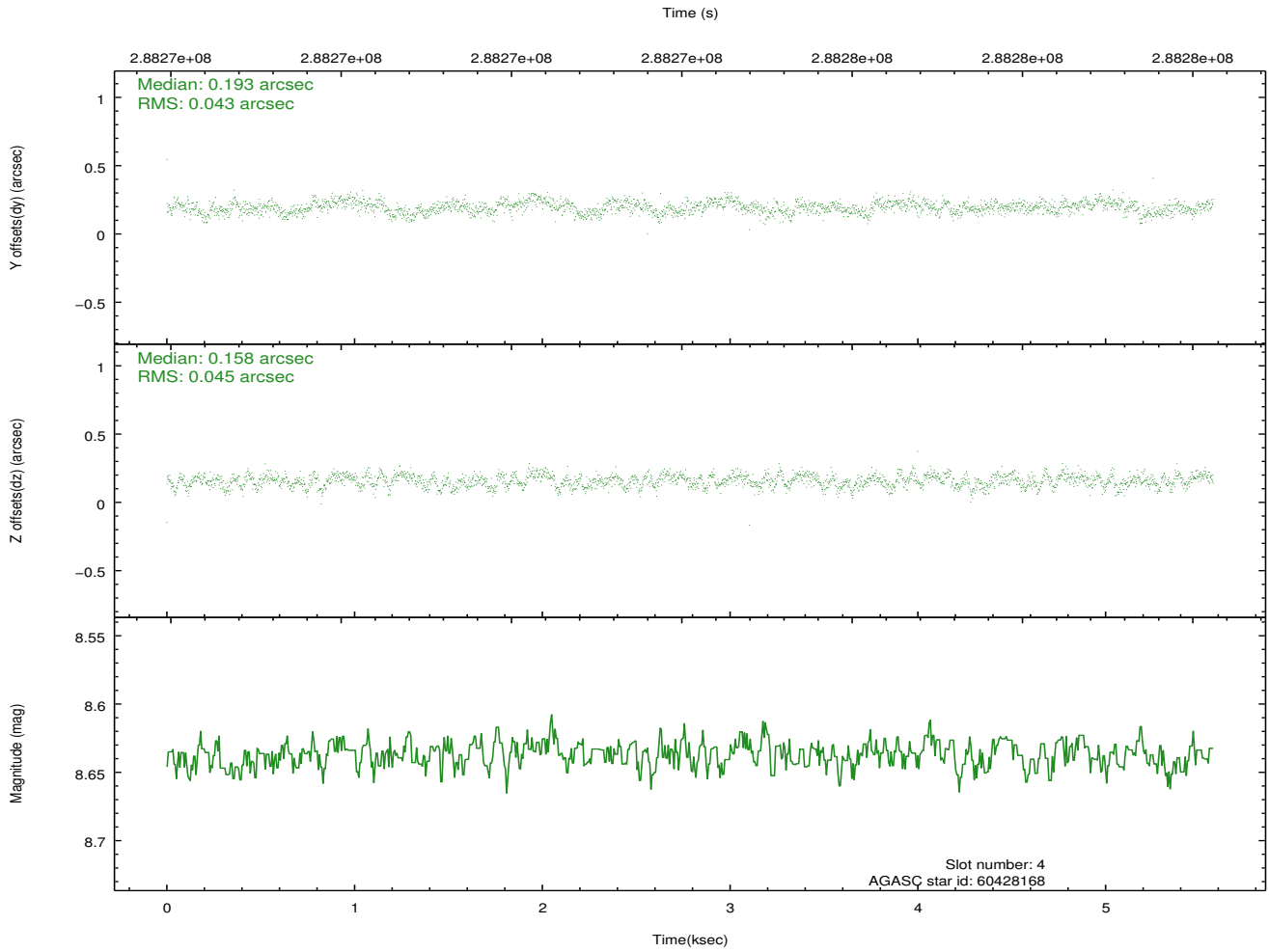
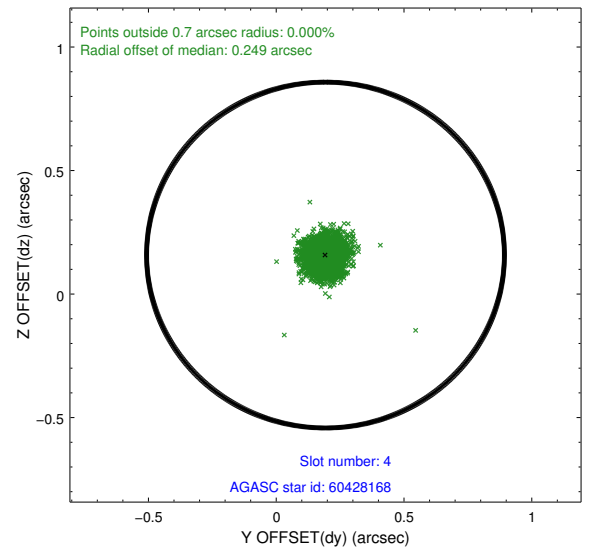
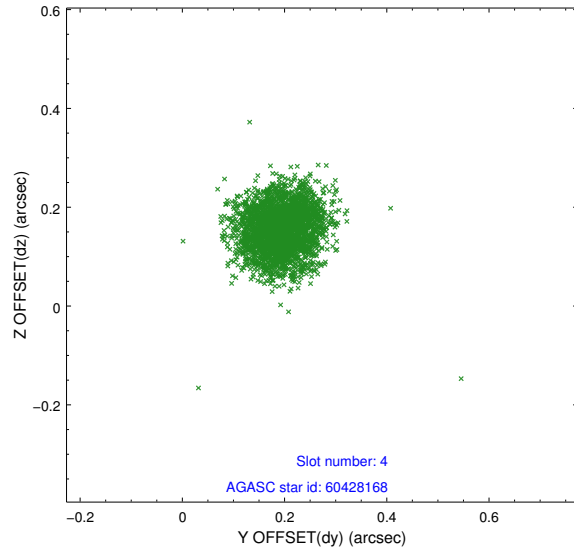
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1360	0.086	-0.091	0.006	0.011	0.000000	0.000000	929.10	-1732.54
1	FID	ACIS-S-5	7.23	1360	-0.172	0.039	0.006	0.010	0.000000	0.000000	-1819.56	164.03
2	FID	ACIS-S-6	7.33	1360	0.066	0.063	0.007	0.011	0.000000	0.000000	393.47	809.23
3	GUIDE	60425768	7.63	2718	0.098	0.099	0.056	0.087	284.002035	7.126251	-473.34	-2119.46
4	GUIDE	60428168	8.64	2718	0.193	0.158	0.066	0.103	283.477634	6.850554	-2065.21	-719.30
5	GUIDE	134493624	8.16	2720	-0.052	-0.156	0.063	0.102	283.273598	7.885674	1162.54	1279.27
6	GUIDE	136194264	8.44	2720	-0.038	0.082	0.077	0.126	284.041260	7.935617	2300.90	-1216.24
7	GUIDE	134485608	8.83	2715	-0.207	-0.183	0.066	0.107	283.267966	8.078955	1807.89	1543.60

2.4 Star Slots

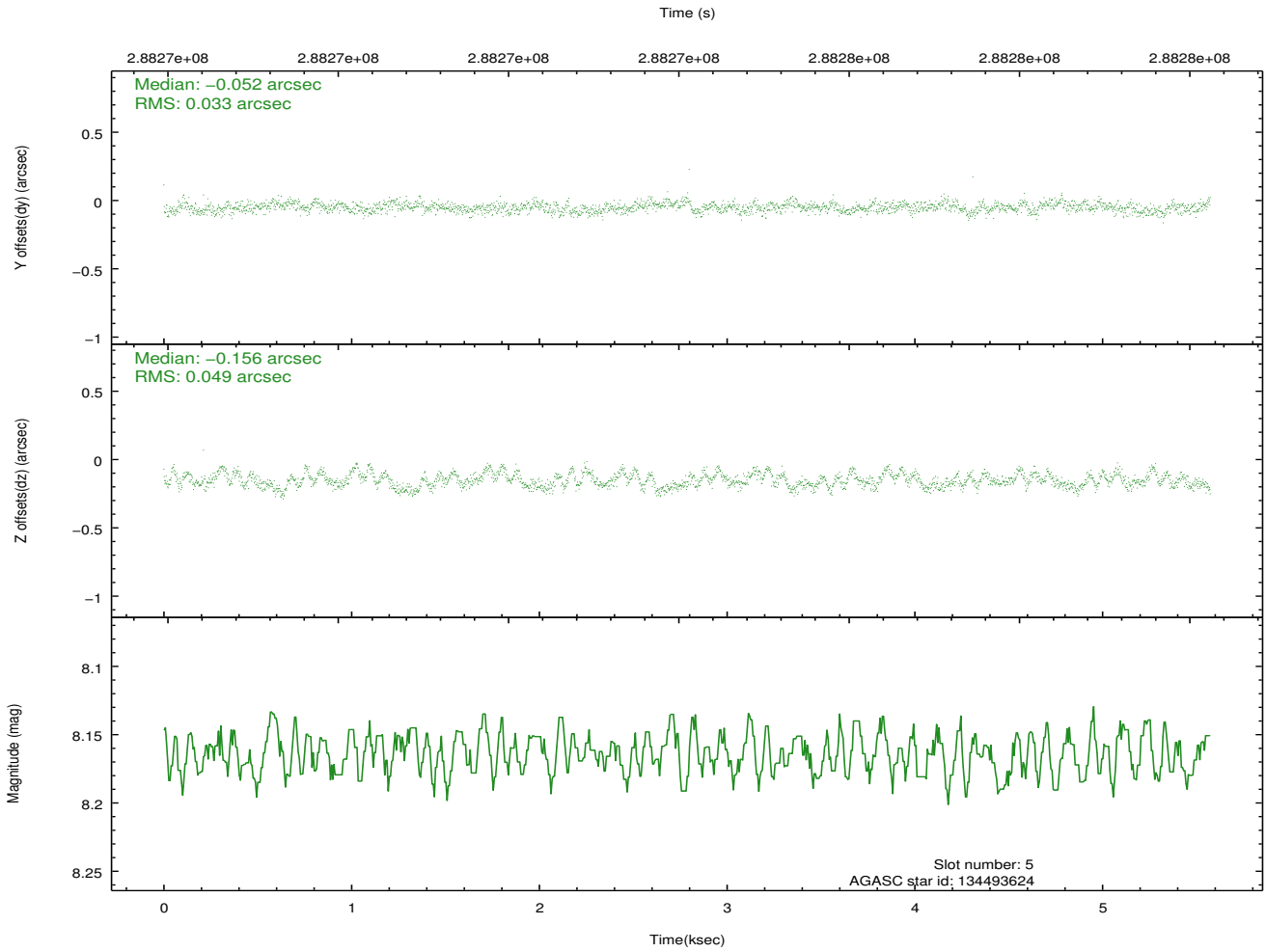
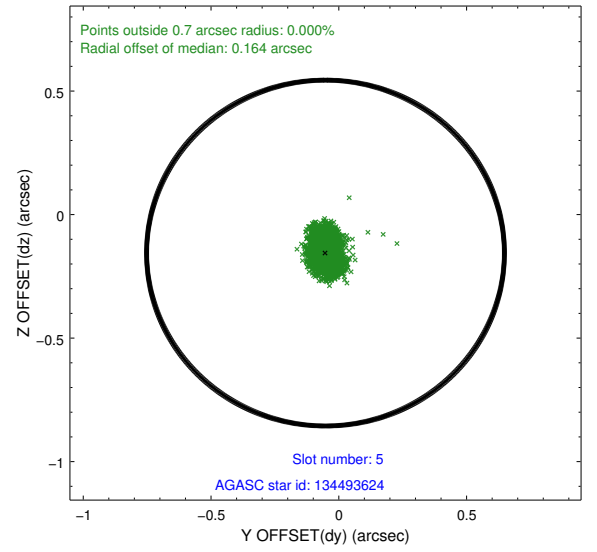
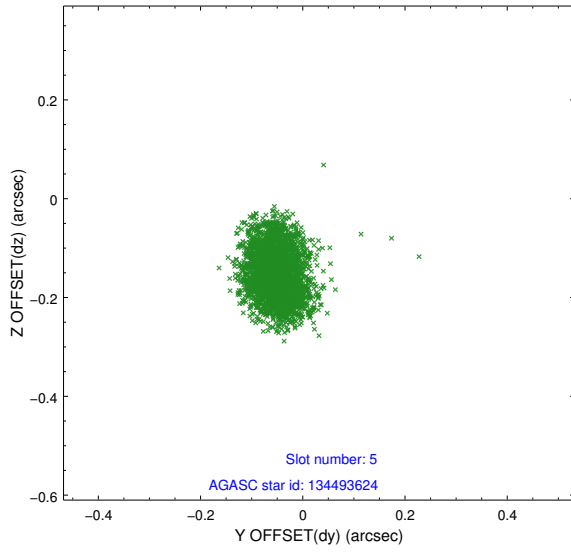
2.4.1 Slot 3



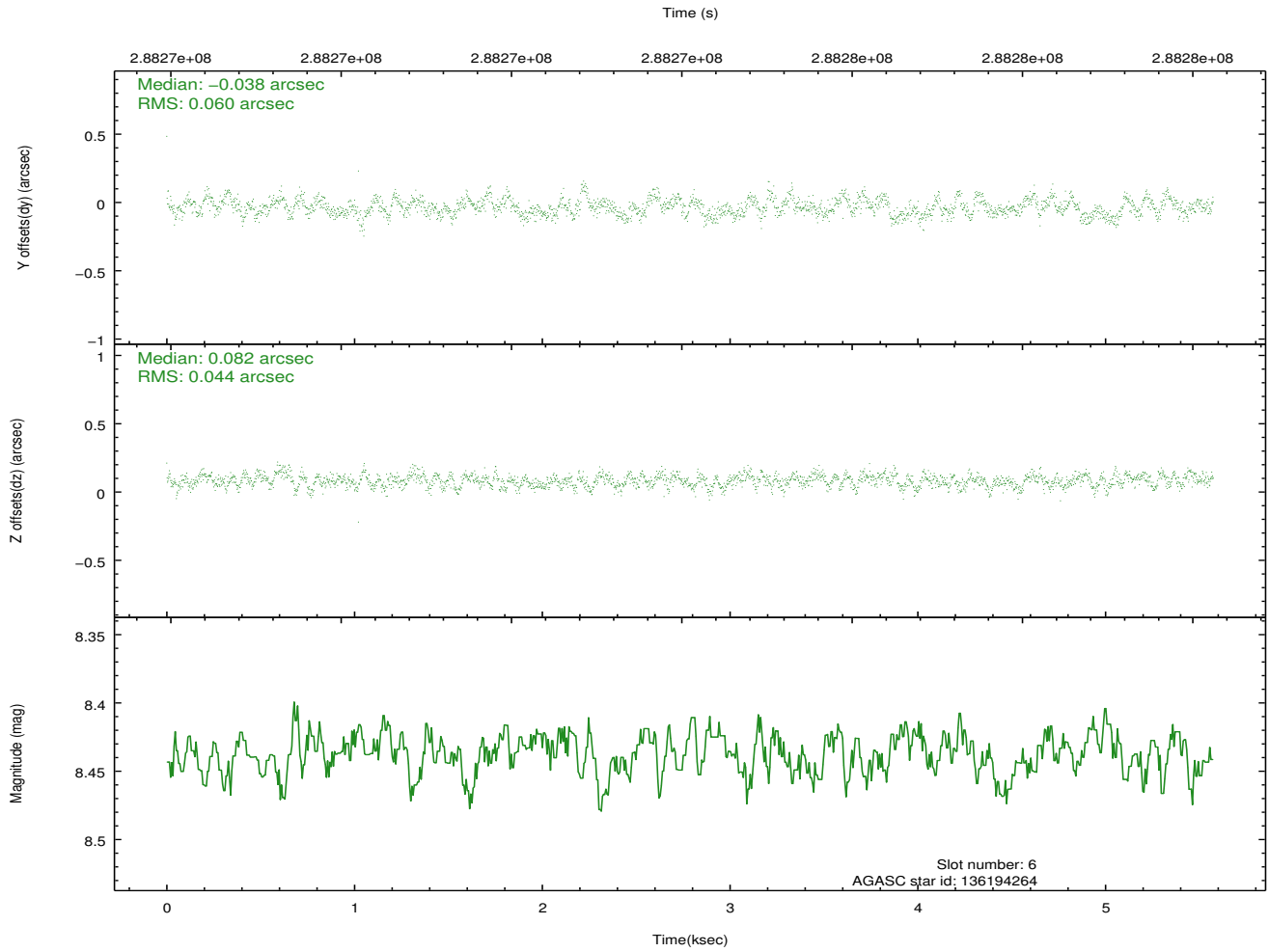
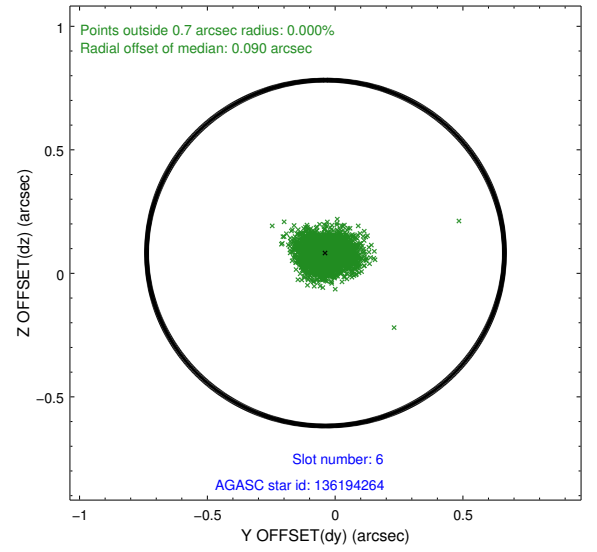
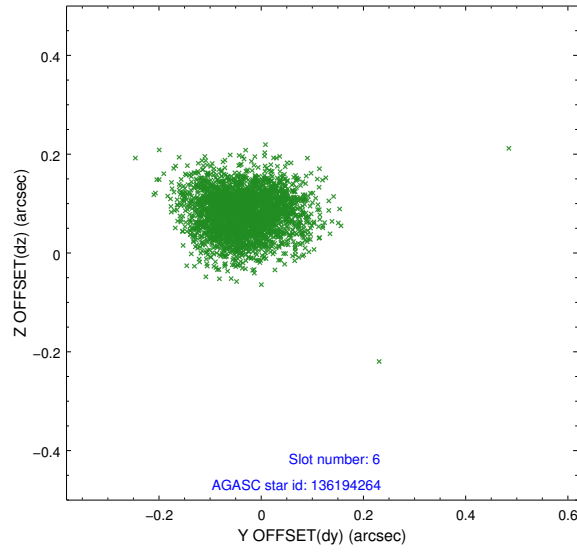
2.4.2 Slot 4



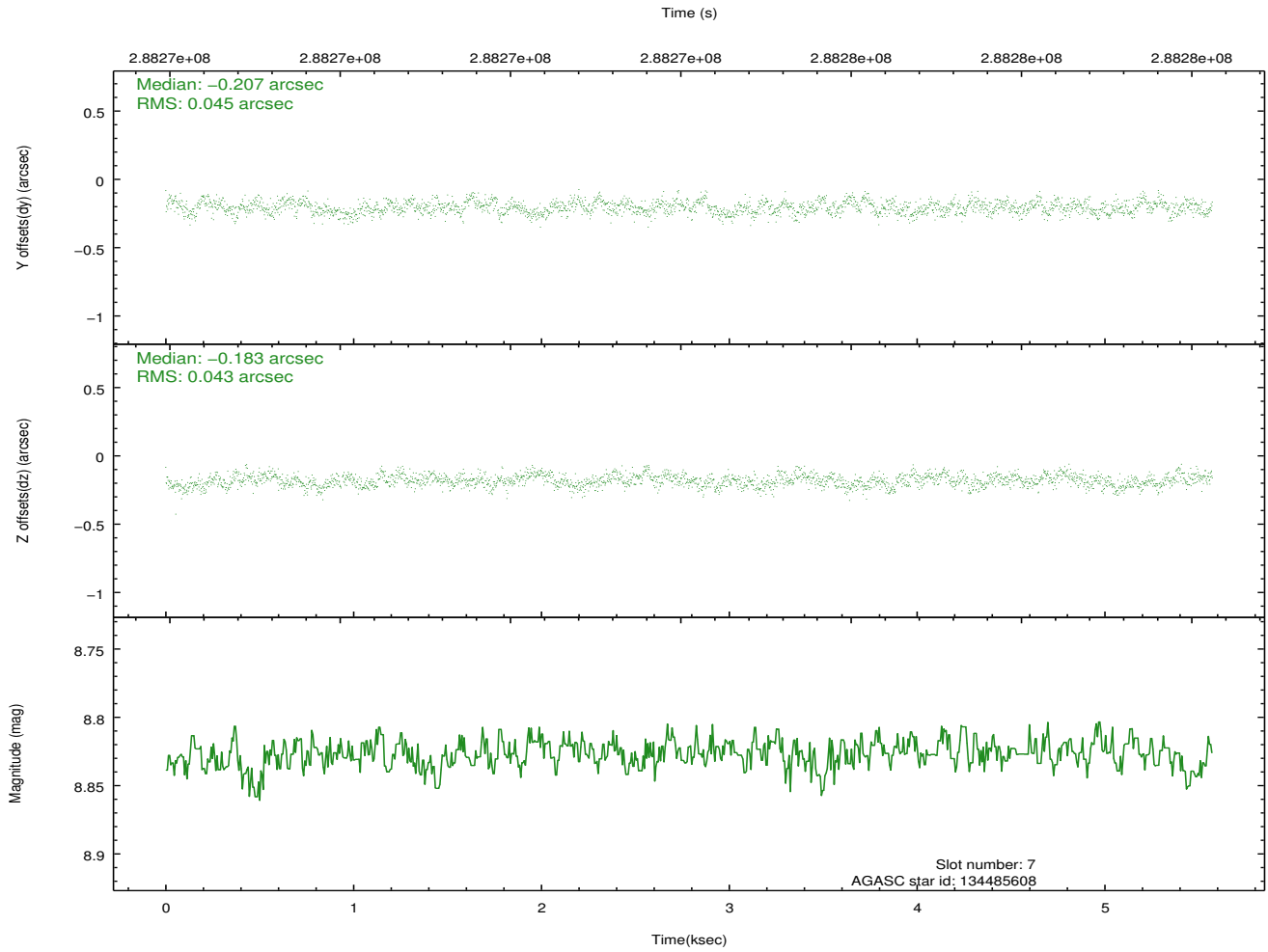
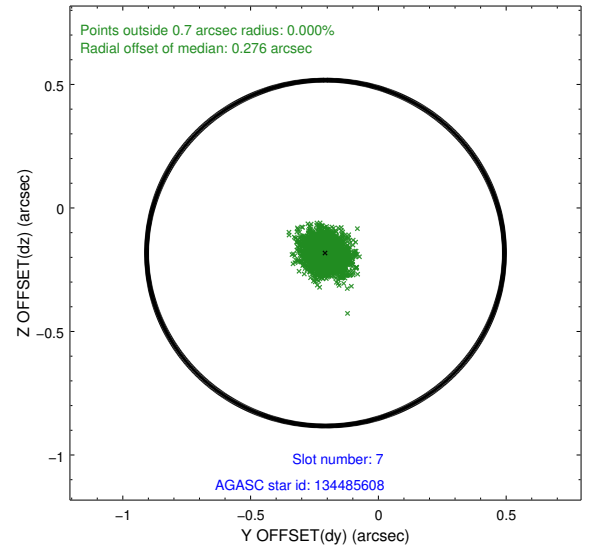
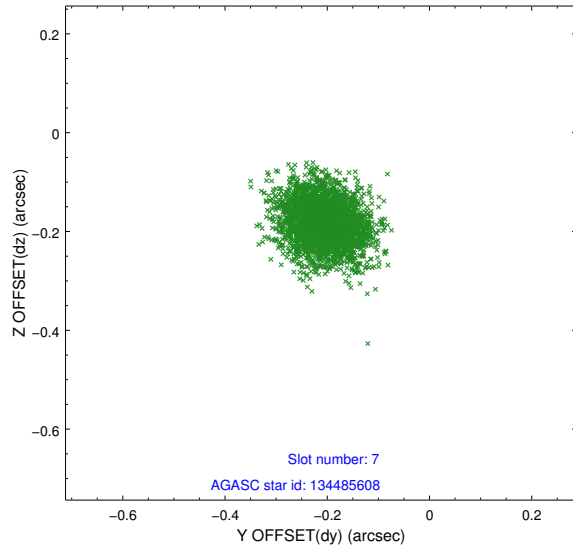
2.4.3 Slot 5



2.4.4 Slot 6

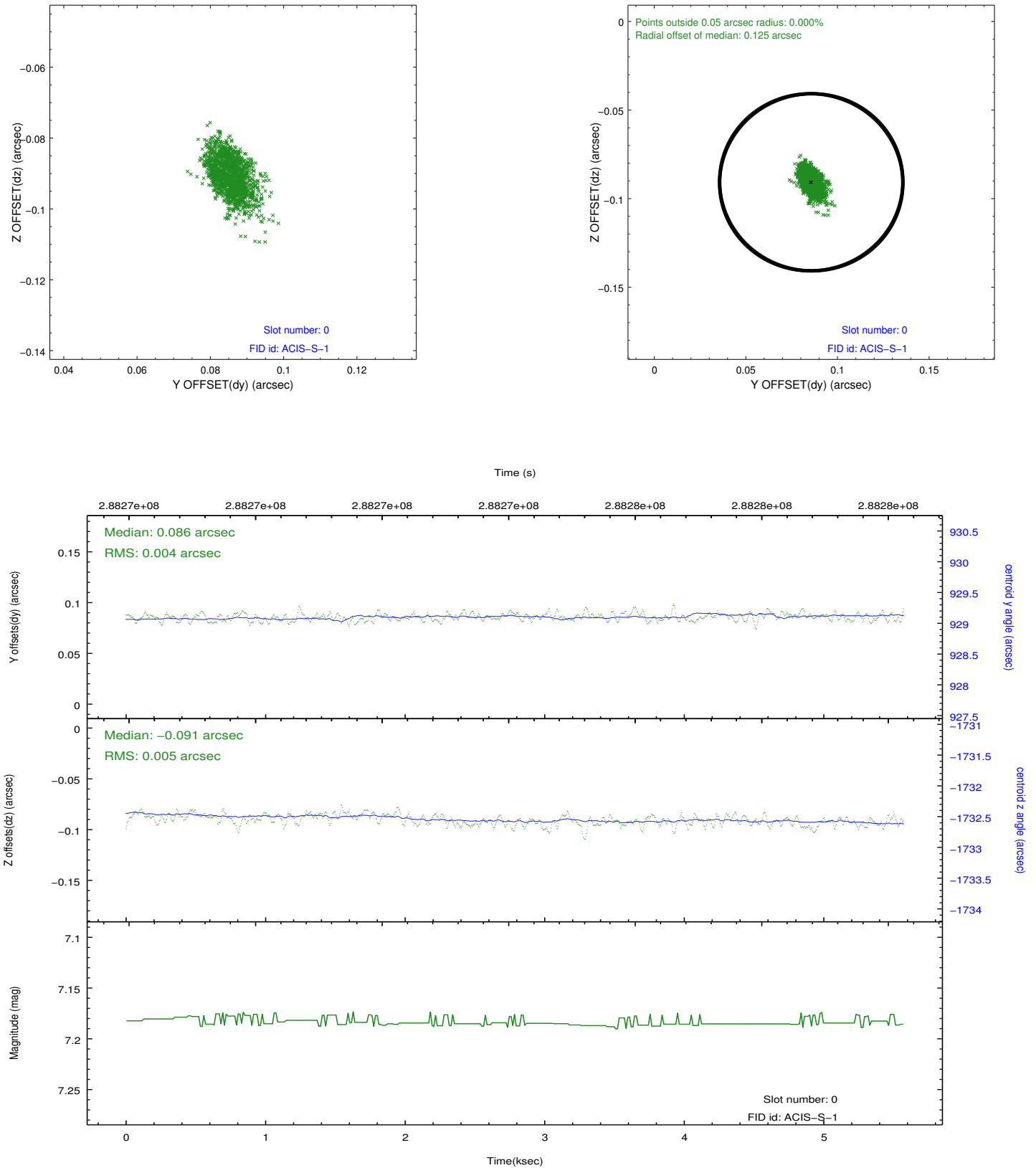


2.4.5 Slot 7

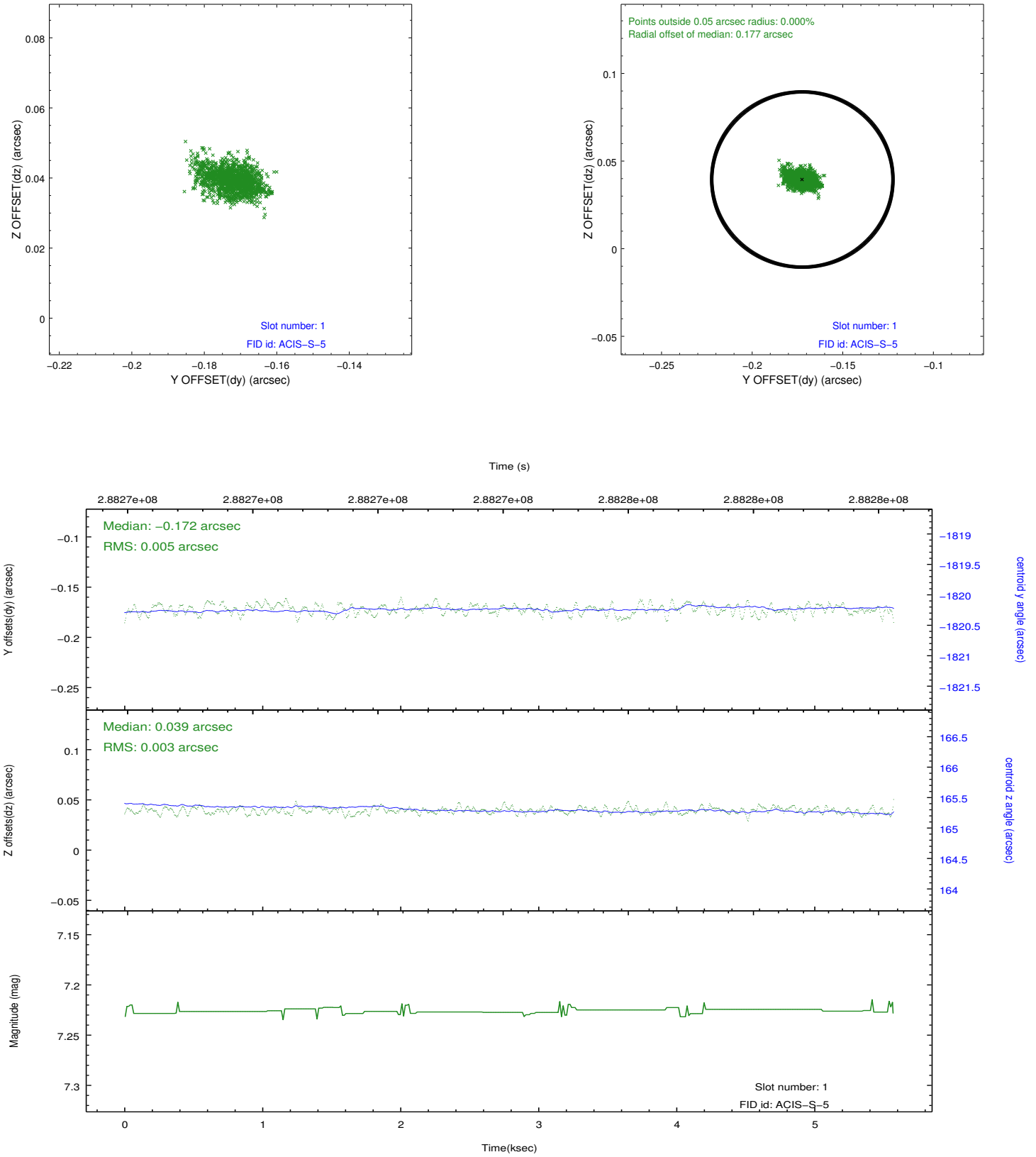


2.5 FID Slots

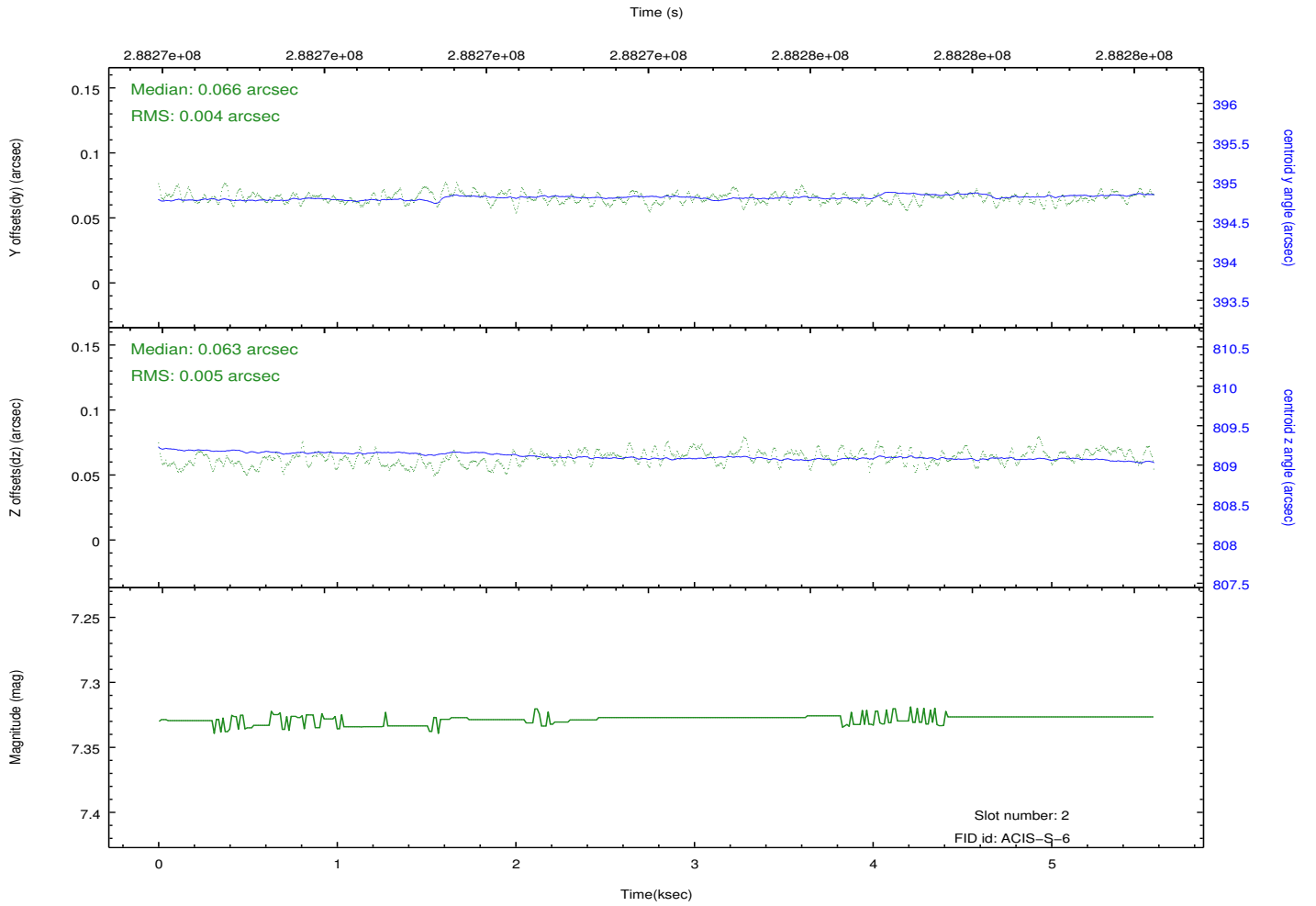
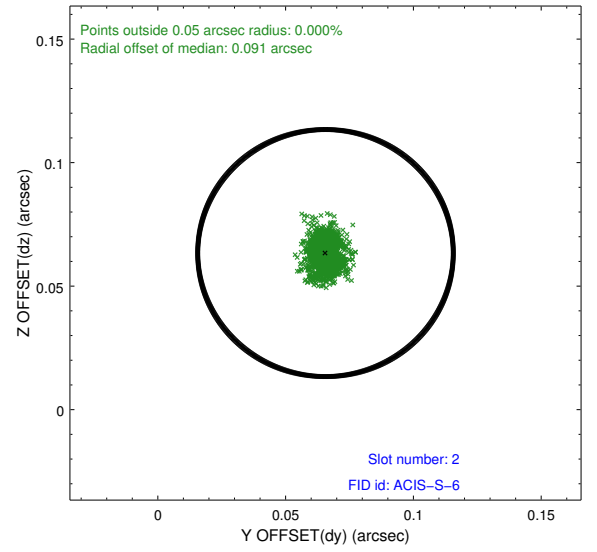
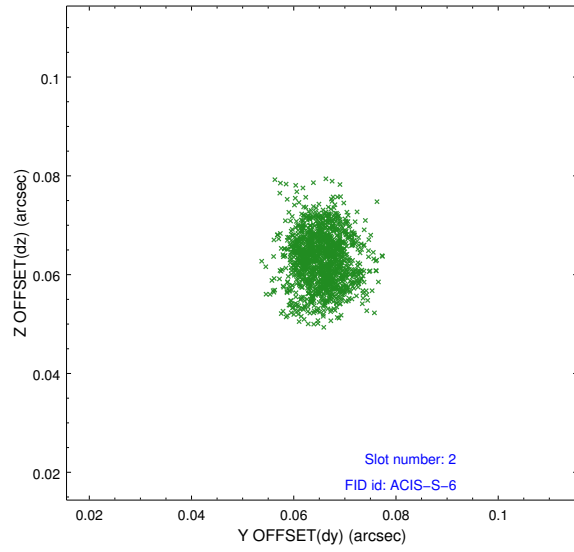
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.65599998

A.2 Comments