

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7561 - L2 Version 2
Chandra X-Ray Center

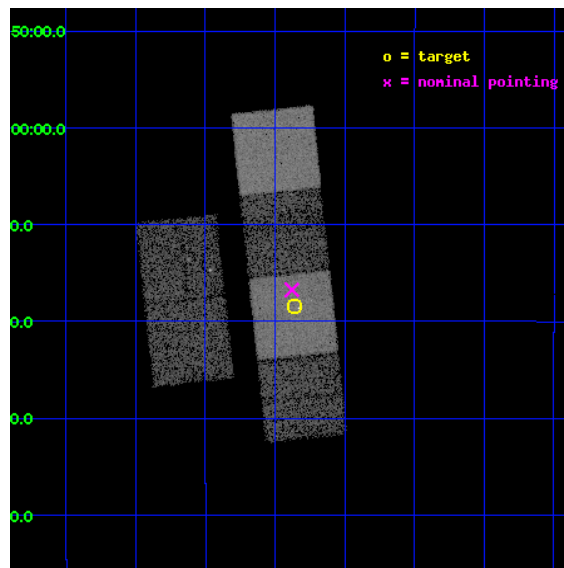
L2 Processing Date : May 9 2012

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1 Front

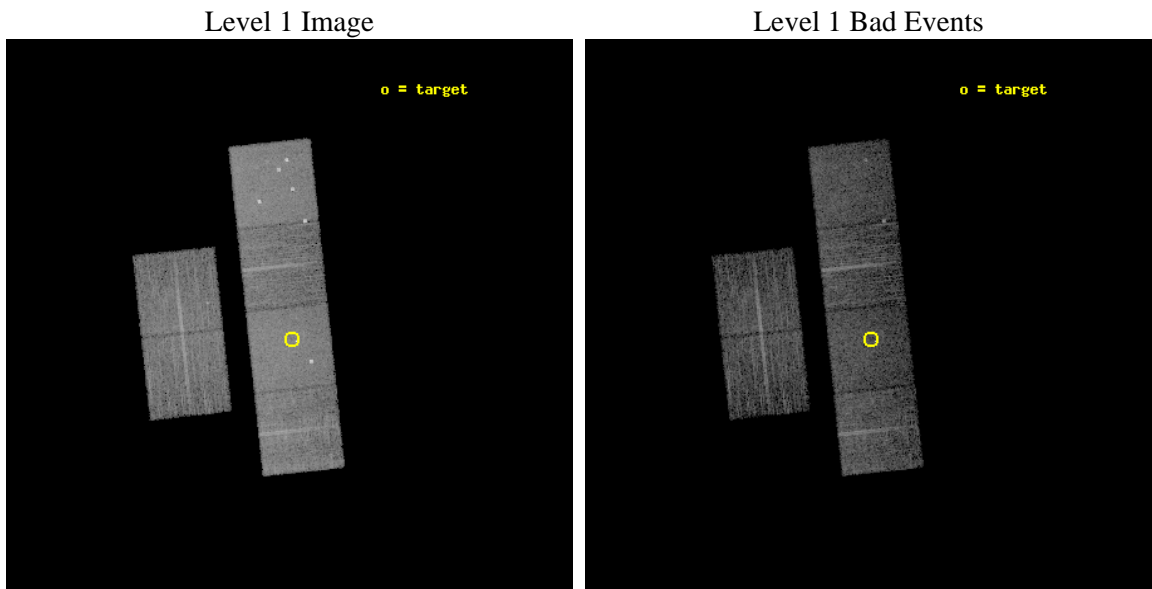
seq_num	400671	Sequence number
obs_id	7561	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J18214-1318	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	275.34	Observer's specified target RA [deg]
dec_targ	-13.308	Observer's specified target Dec [deg]
ra_nom	275.34483182296	Nominal RA [deg]
dec_nom	-13.279158425257	Nominal Dec [deg]
roll_nom	83.914148132785	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.999982357	Sum of GTIs [s]
livetime	4691.8272972696	Livetime [s]
ontime2	4751.999982357	Sum of GTIs [s]
ontime3	4751.999982357	Sum of GTIs [s]
ontime5	4751.999982357	Sum of GTIs [s]
ontime6	4751.999982357	Sum of GTIs [s]
ontime7	4751.999982357	Sum of GTIs [s]
ontime8	4748.7590121031	Sum of GTIs [s]
l2events	86096	Number of level 2 events



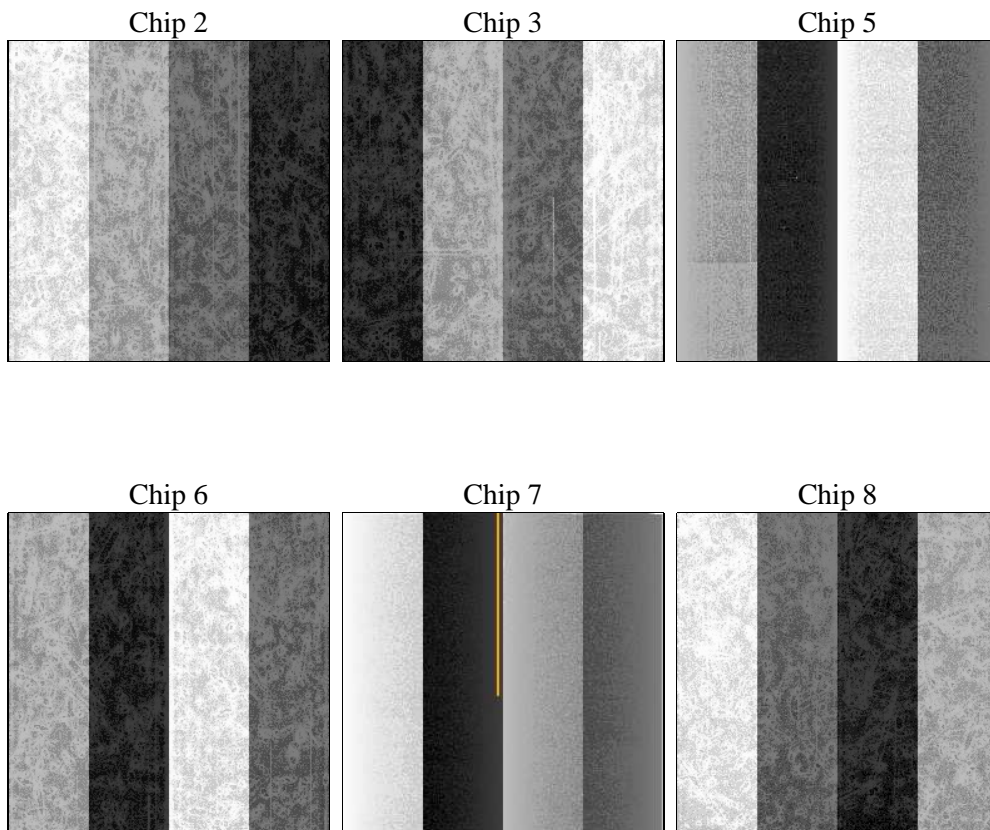
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4993.549000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4751.999982357	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	4751.999982357	Sum of GTIs [s]
date	2012-05-09T18:37:58	Date and time of file creation	ontime3	4751.999982357	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4751.999982357	Sum of GTIs [s]
			ontime6	4751.999982357	Sum of GTIs [s]
			ontime7	4751.999982357	Sum of GTIs [s]
			ontime8	4748.7590121031	Sum of GTIs [s]
			l1events	348281	Number of level 1 events

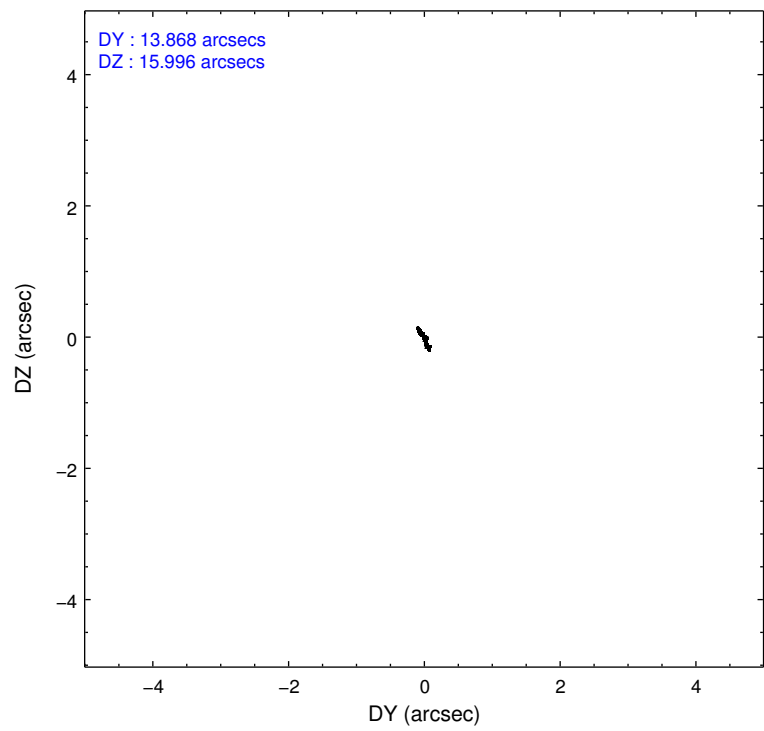
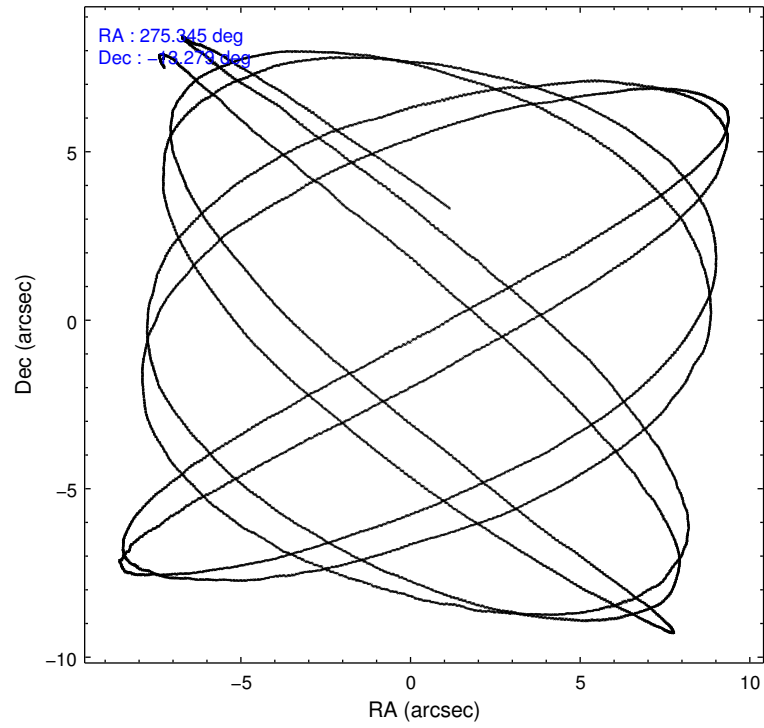
2.1.4 Events

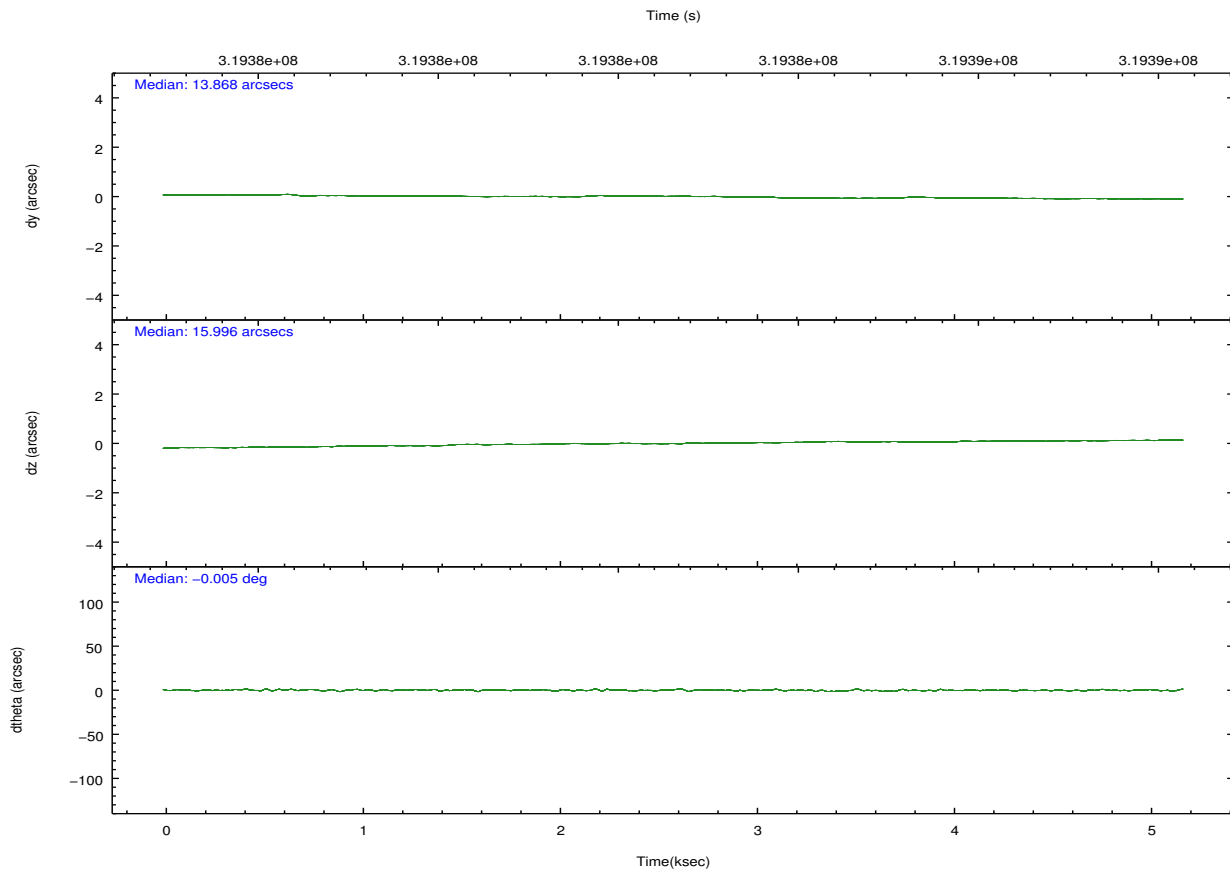
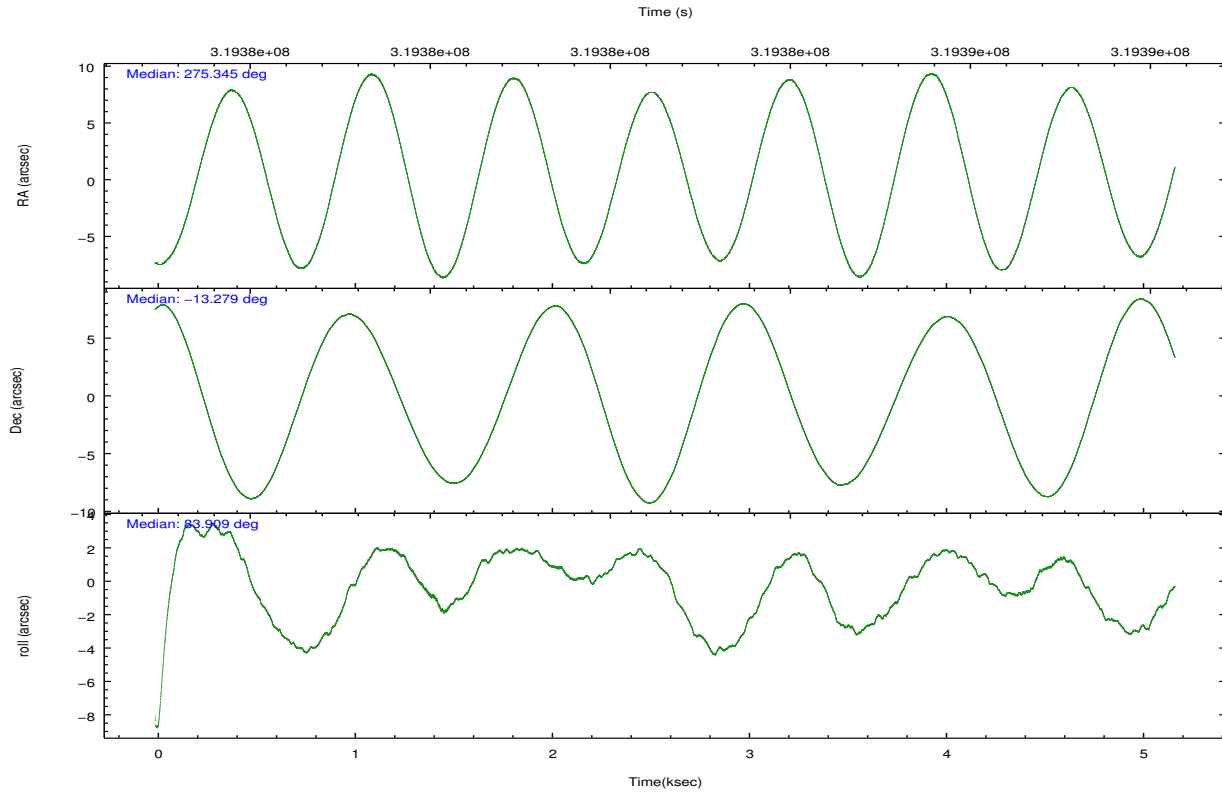
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47846	46943	76486	47927	67886	61193	grade 0 events	3545	3438	6592	3257	4202	4932
rejected events	40834	40051	38233	40818	36850	46840		7%	7%	8%	6%	6%	8%
rejected %	85%	85%	49%	85%	54%	76%	grade 1 events	37	43	273	27	110	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	1373	1210	10474	1490	6154	3086
								2%	2%	13%	3%	9%	5%
							grade 3 events	586	604	1233	550	2431	1340
								1%	1%	1%	1%	3%	2%
							grade 4 events	540	549	1150	607	2436	1314
								1%	1%	1%	1%	3%	2%
							grade 5 events	1871	2030	5002	2102	5914	2783
								3%	4%	6%	4%	8%	4%
							grade 6 events	980	1104	18859	1217	15853	3703
								2%	2%	24%	2%	23%	6%
							grade 7 events	38914	37965	32903	38677	30786	43980
								81%	80%	43%	80%	45%	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	275.356641	275.3448318229601	CCD I2 on	O2	Y
[deg] Pointing Dec	-13.304066	-13.27915842525663	CCD I3 on	Y	Y
[deg] Pointing Roll	83.760251	83.91414813278479	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)	319381893.184000	319381430.83948	CCD S5 on	N	N
Observation start date	2008-02-14T13:10:28	2008-02-14T13:03:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319386887.184000	319387113.43975	On-chip summing requested	N	N
Observation end date	2008-02-14T14:33:42	2008-02-14T14:38:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



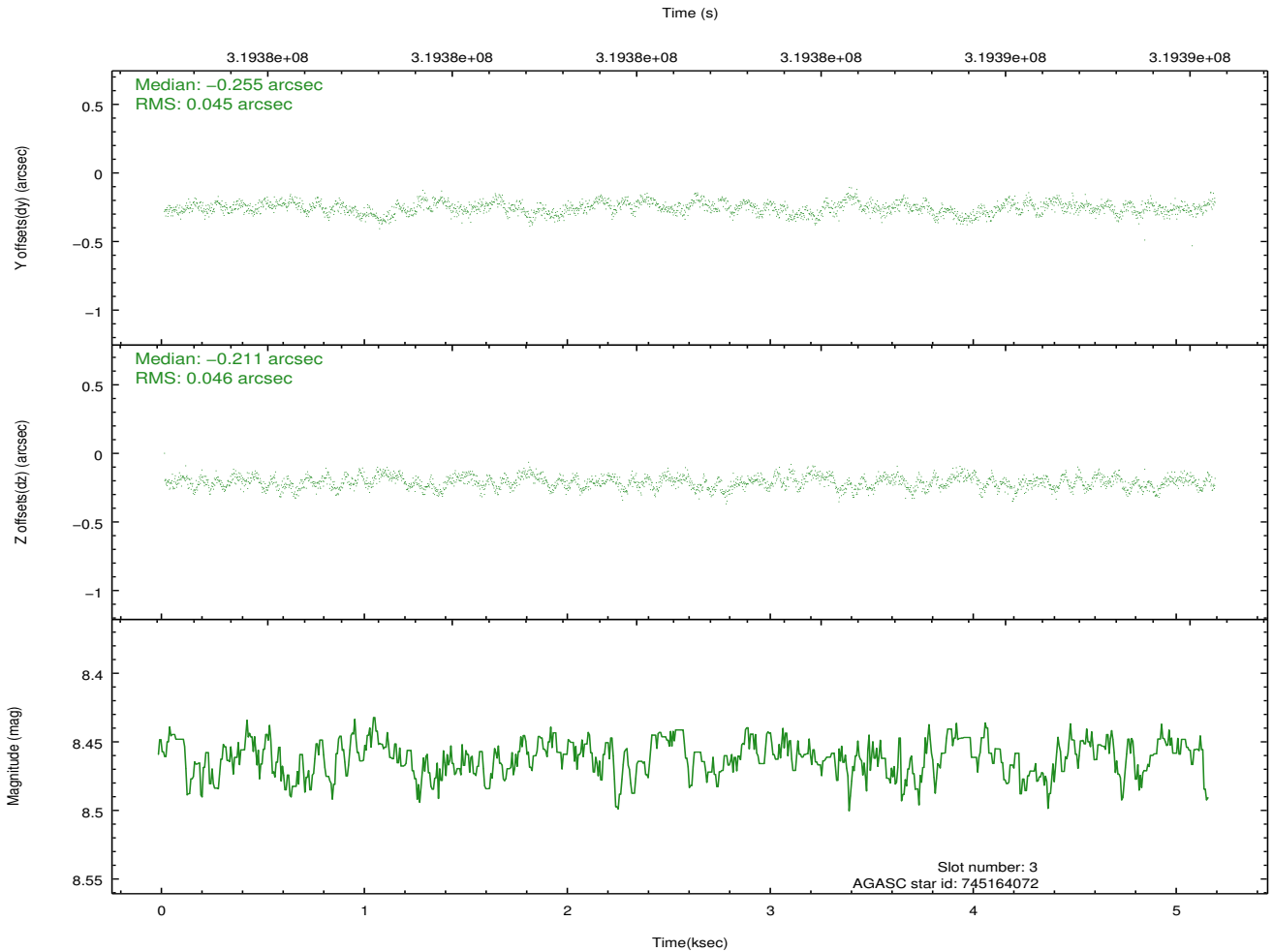
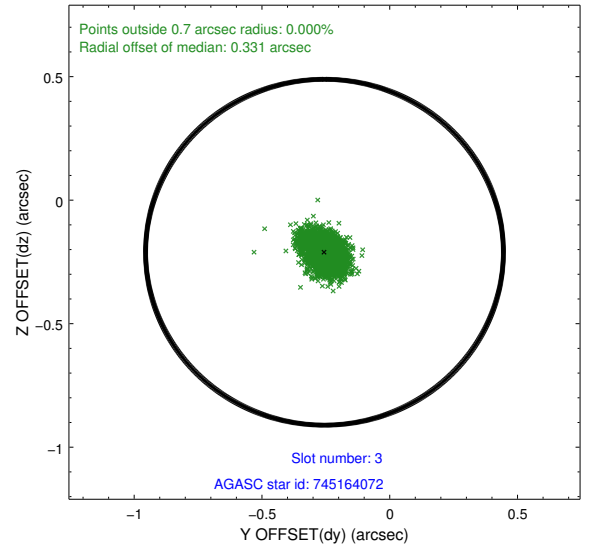
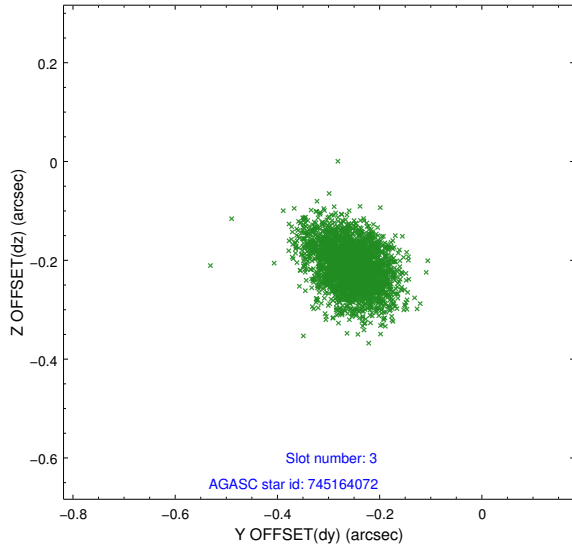


Slot Statistics

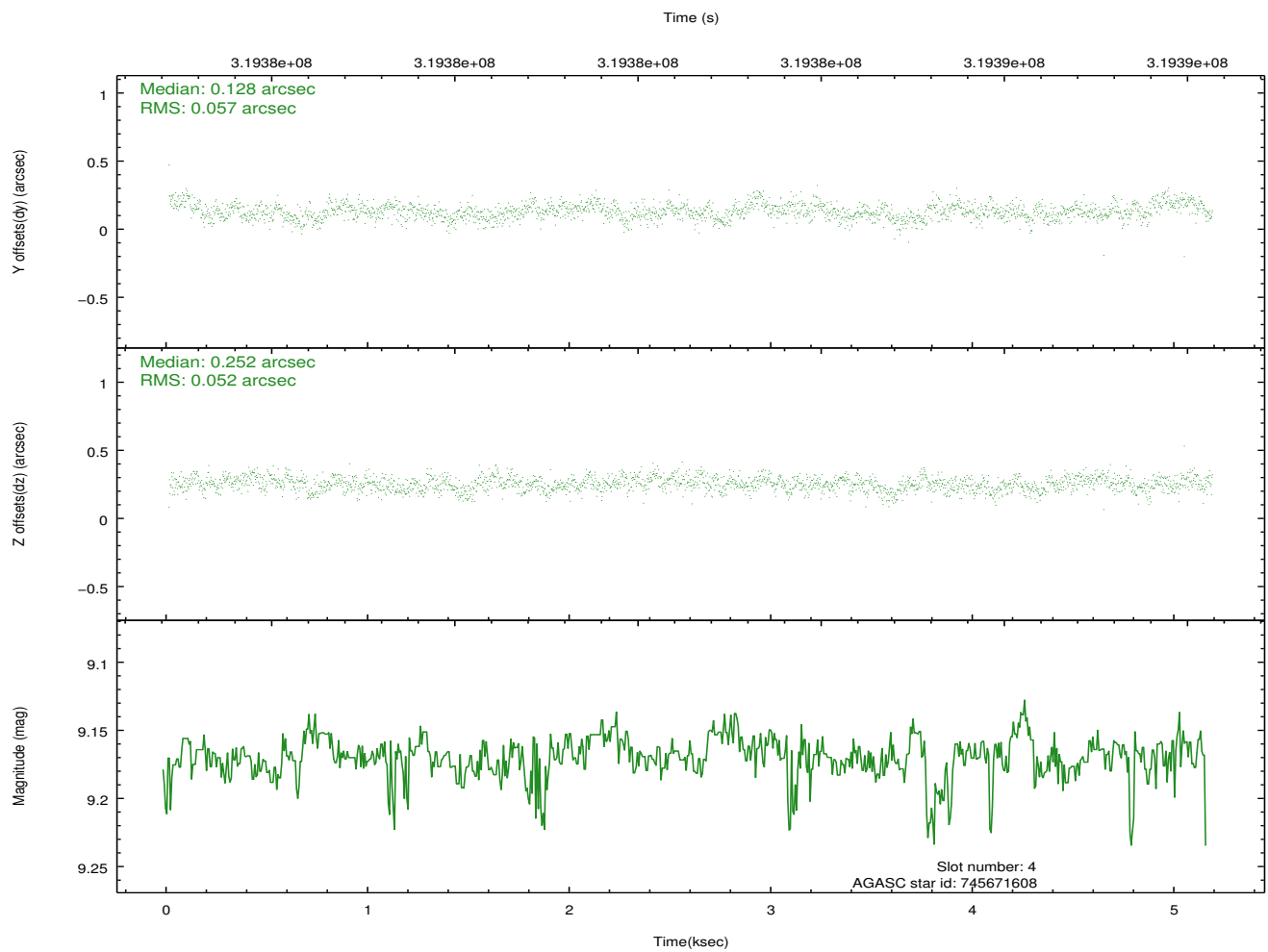
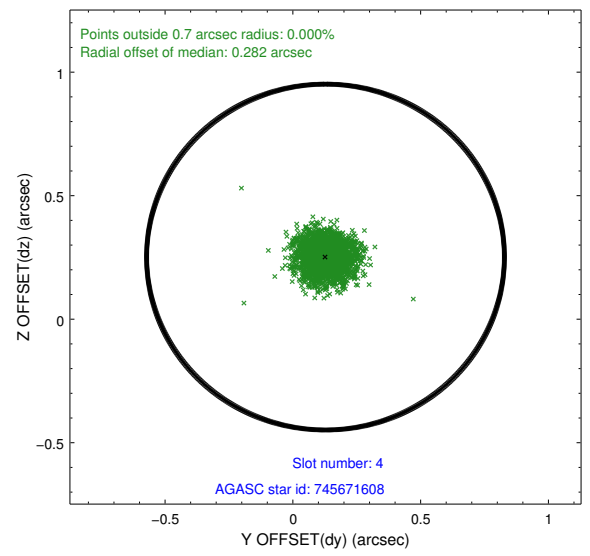
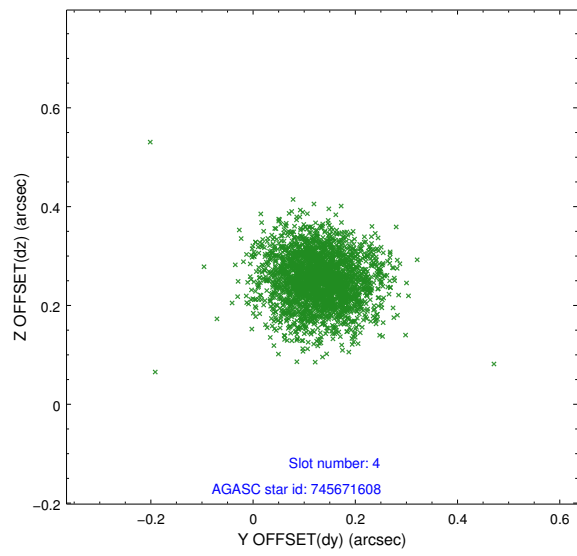
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1263	-0.021	-0.084	0.006	0.011	0.000000	0.000000	929.21	-1733.06
1	FID	ACIS-S-4	7.19	1263	0.062	0.027	0.006	0.010	0.000000	0.000000	2147.35	170.00
2	FID	ACIS-S-6	7.32	1263	-0.065	0.068	0.006	0.012	0.000000	0.000000	396.61	808.73
3	GUIDE	745164072	8.46	2524	-0.255	-0.211	0.067	0.111	274.766958	-12.776111	1661.45	2264.25
4	GUIDE	745671608	9.17	2520	0.128	0.252	0.081	0.134	275.327786	-13.786724	-1737.55	-87.73
5	GUIDE	745673880	8.79	2526	0.139	-0.013	0.063	0.103	275.113470	-13.694820	-1491.95	692.24
6	GUIDE	745674432	7.17	2526	-0.055	-0.321	0.056	0.088	274.729377	-13.541343	-1091.49	2088.96
7	GUIDE	747384584	7.48	2525	0.040	0.297	0.047	0.078	275.823210	-13.594301	-863.06	-1735.77

2.4 Star Slots

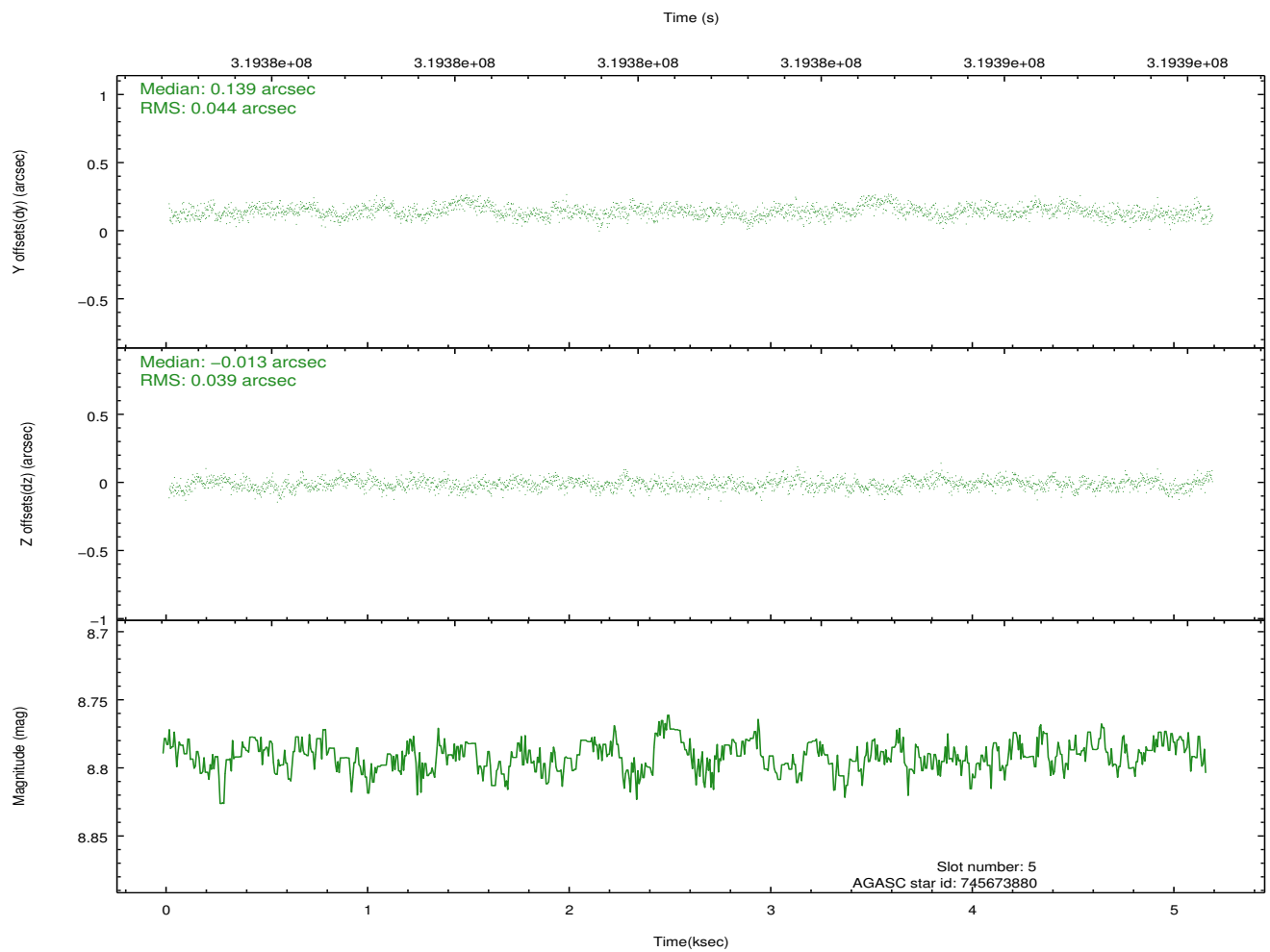
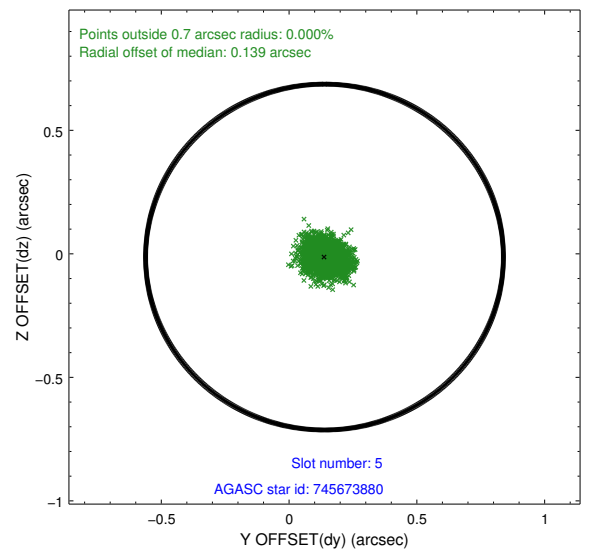
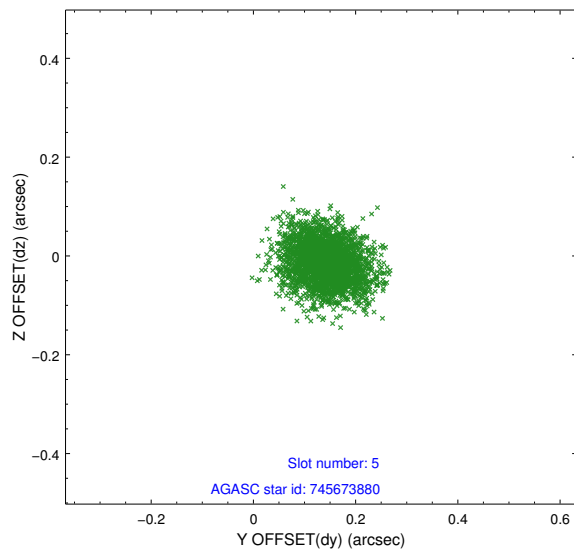
2.4.1 Slot 3



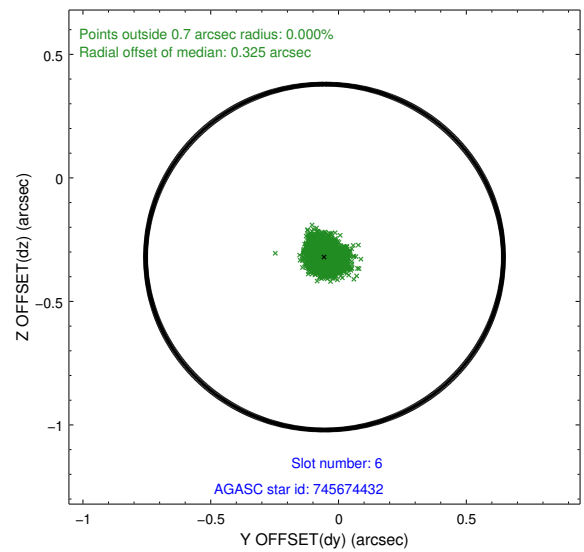
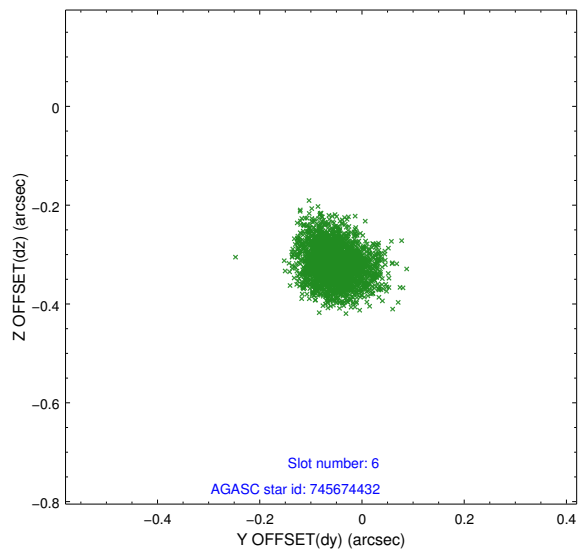
2.4.2 Slot 4



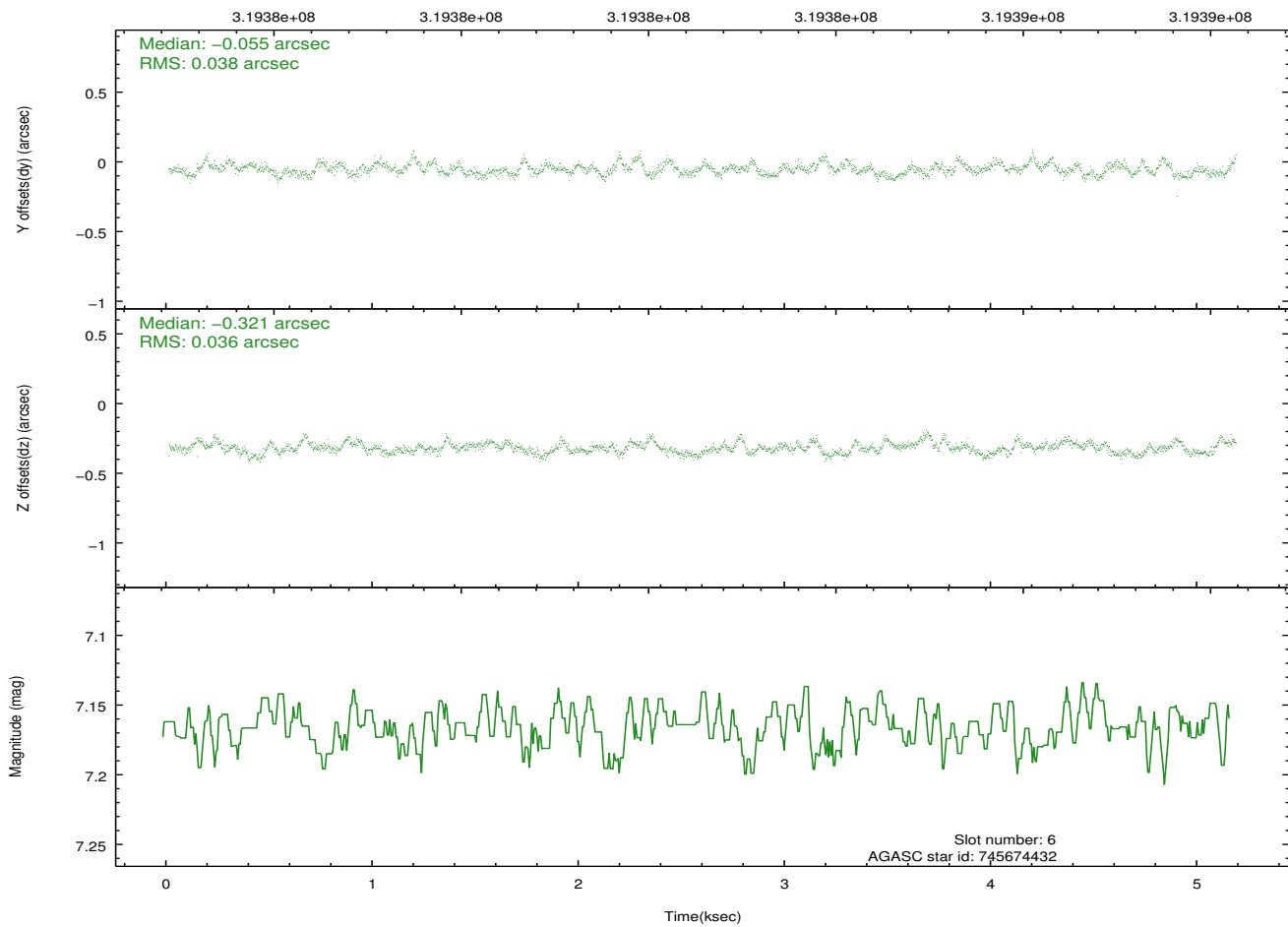
2.4.3 Slot 5



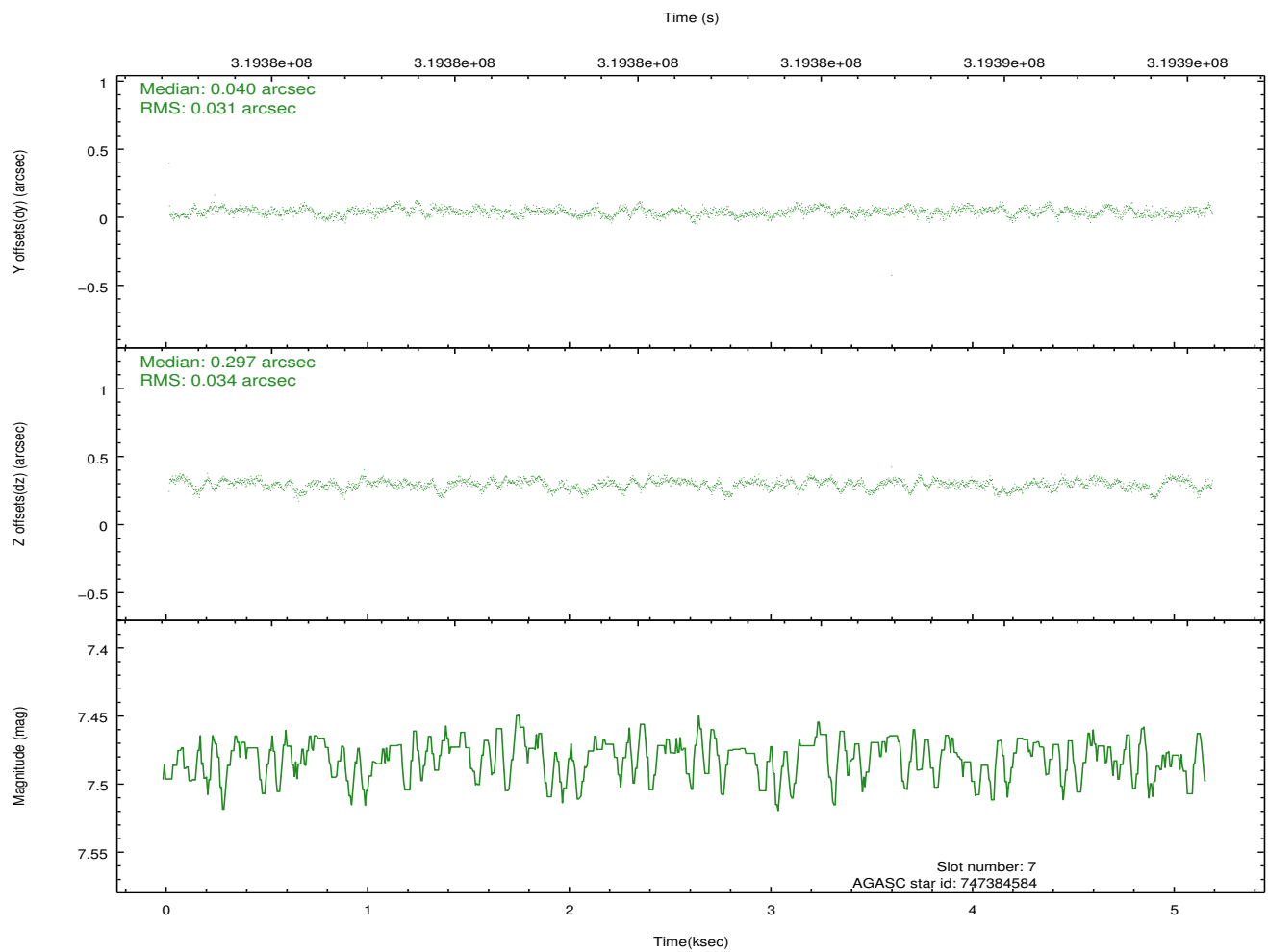
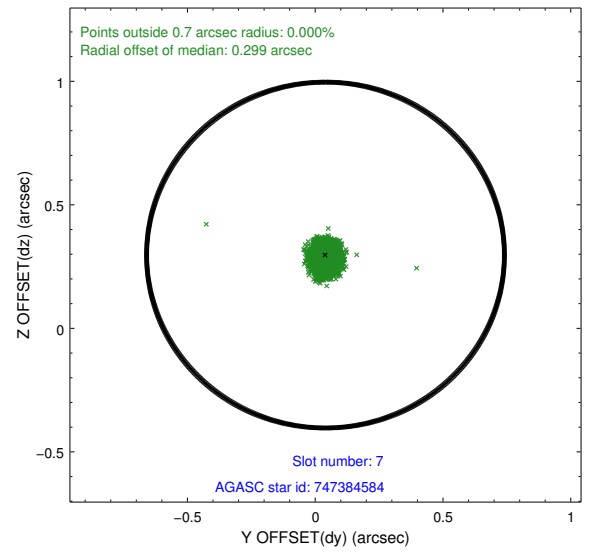
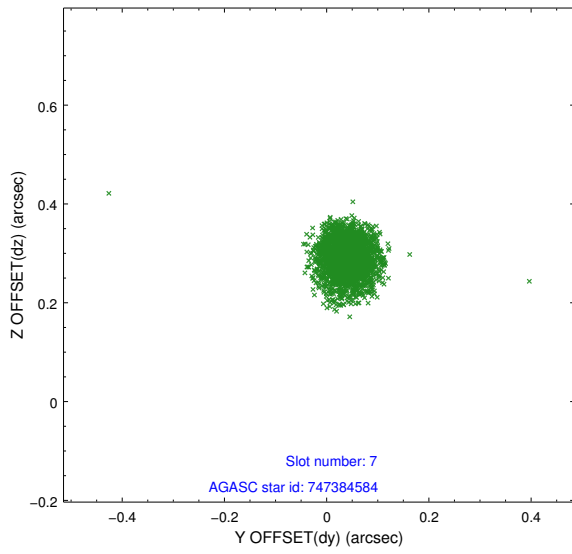
2.4.4 Slot 6



Time (s)

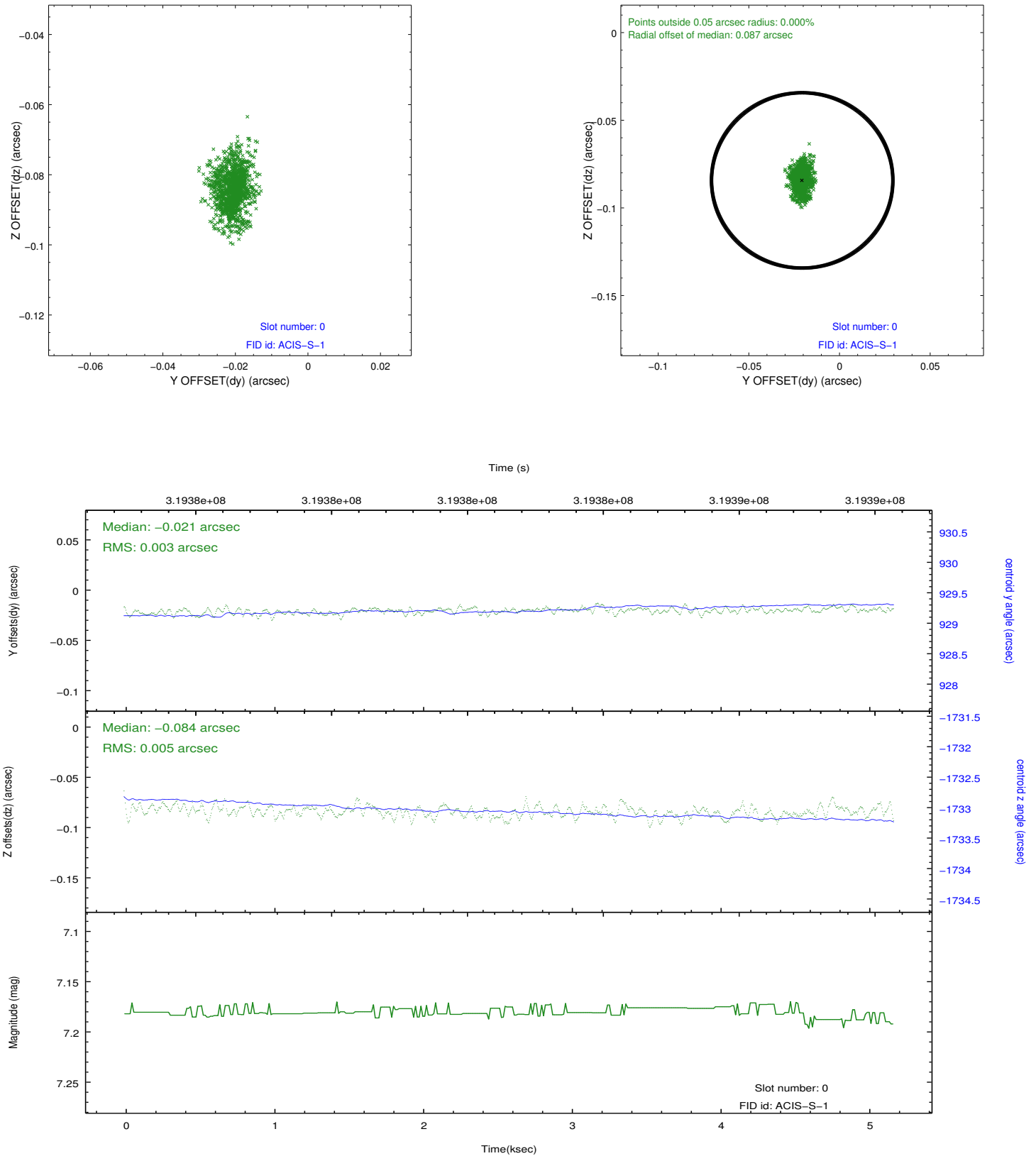


2.4.5 Slot 7

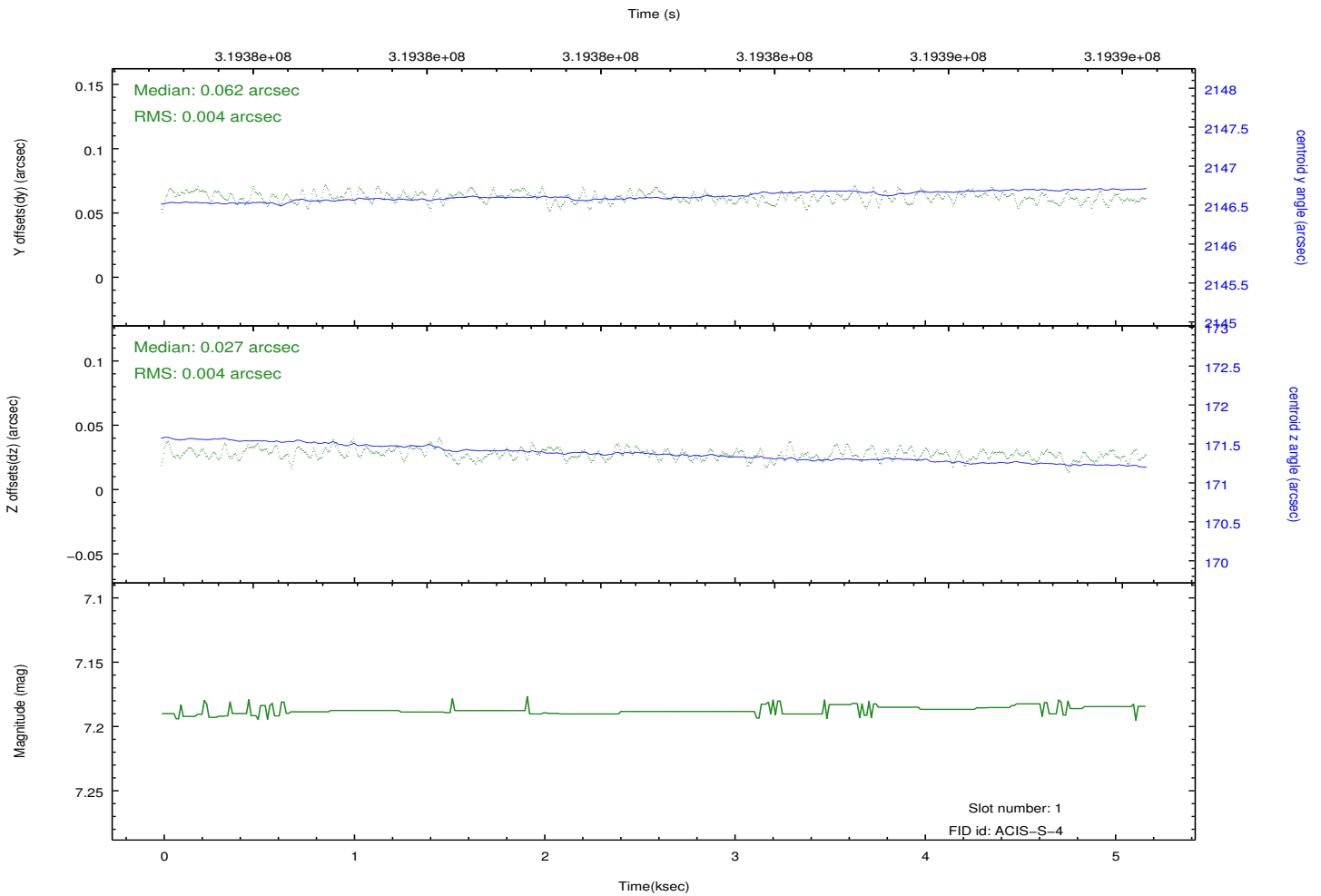
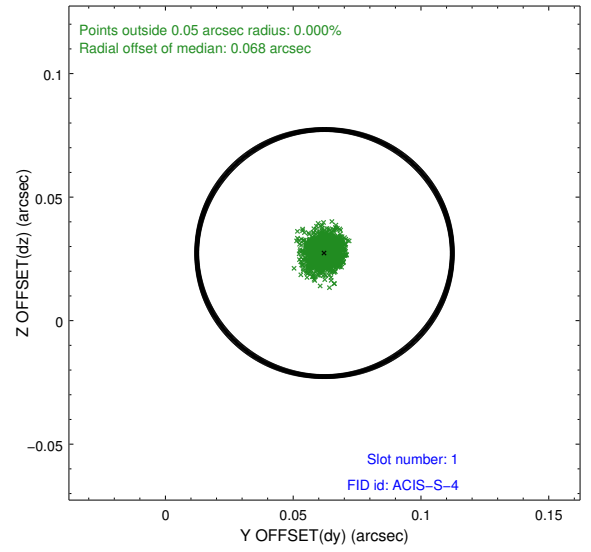
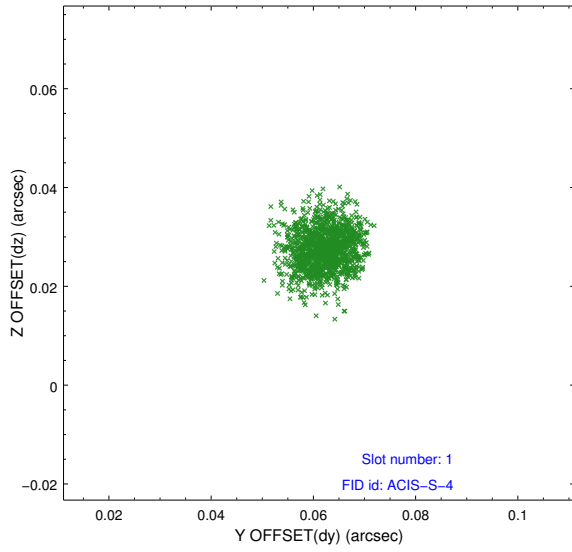


2.5 FID Slots

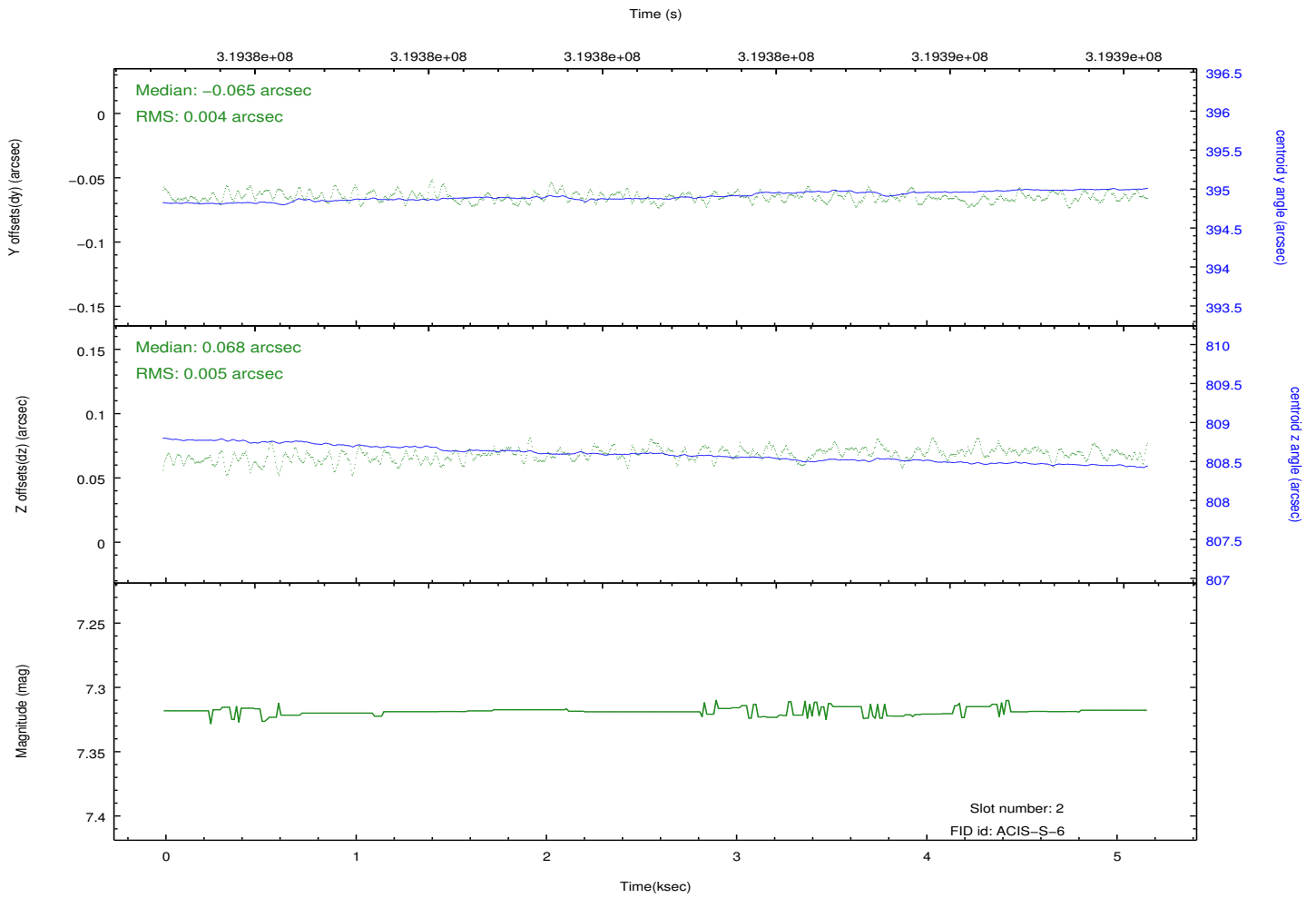
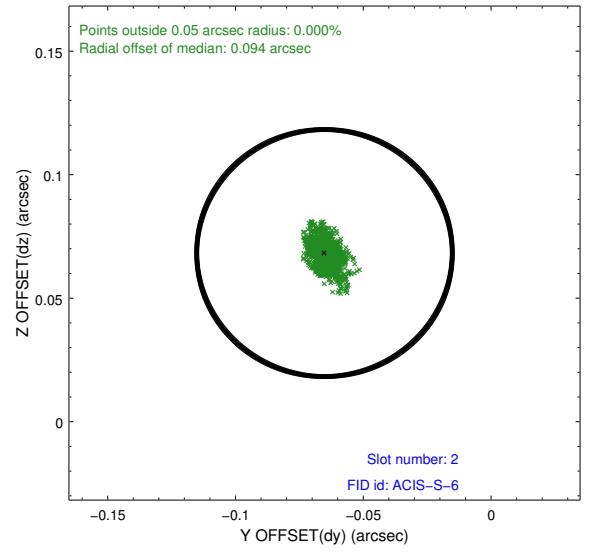
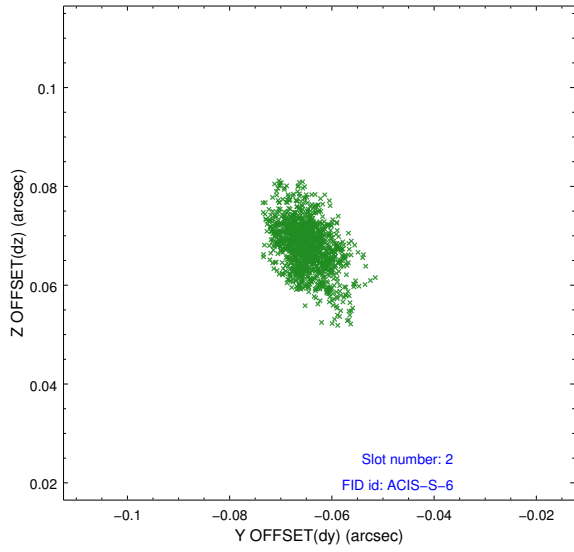
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75199998

A.2 Comments