

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7525 - L2 Version 3
Chandra X-Ray Center

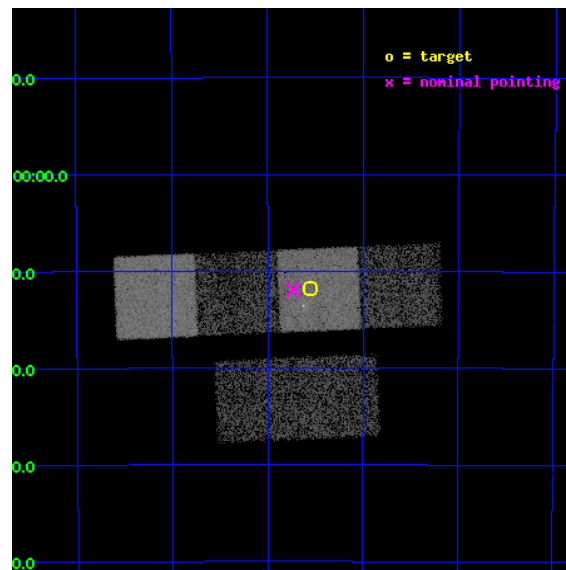
L2 Processing Date : Apr 19 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

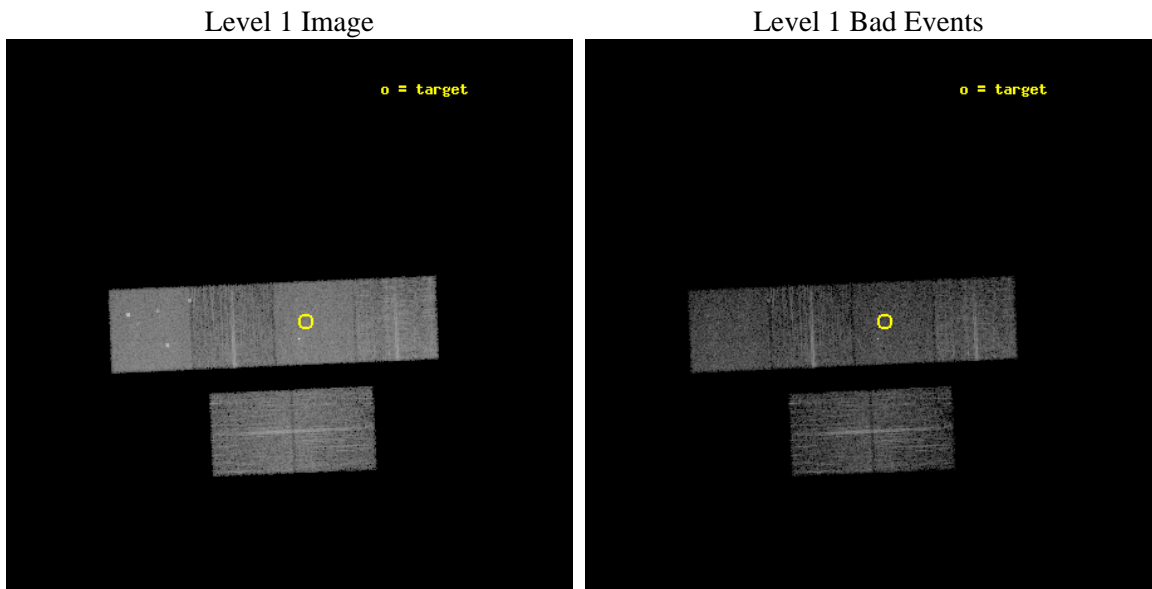
seq_num	400635	Sequence number
obs_id	7525	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J09026-4812	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.637917	Observer's specified target RA [deg]
dec_targ	-48.196	Observer's specified target Dec [deg]
ra_nom	135.68136043745	Nominal RA [deg]
dec_nom	-48.198980273717	Nominal Dec [deg]
roll_nom	357.51181129084	Nominal Roll [deg]
revision	3	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	72061	Number of level 2 events



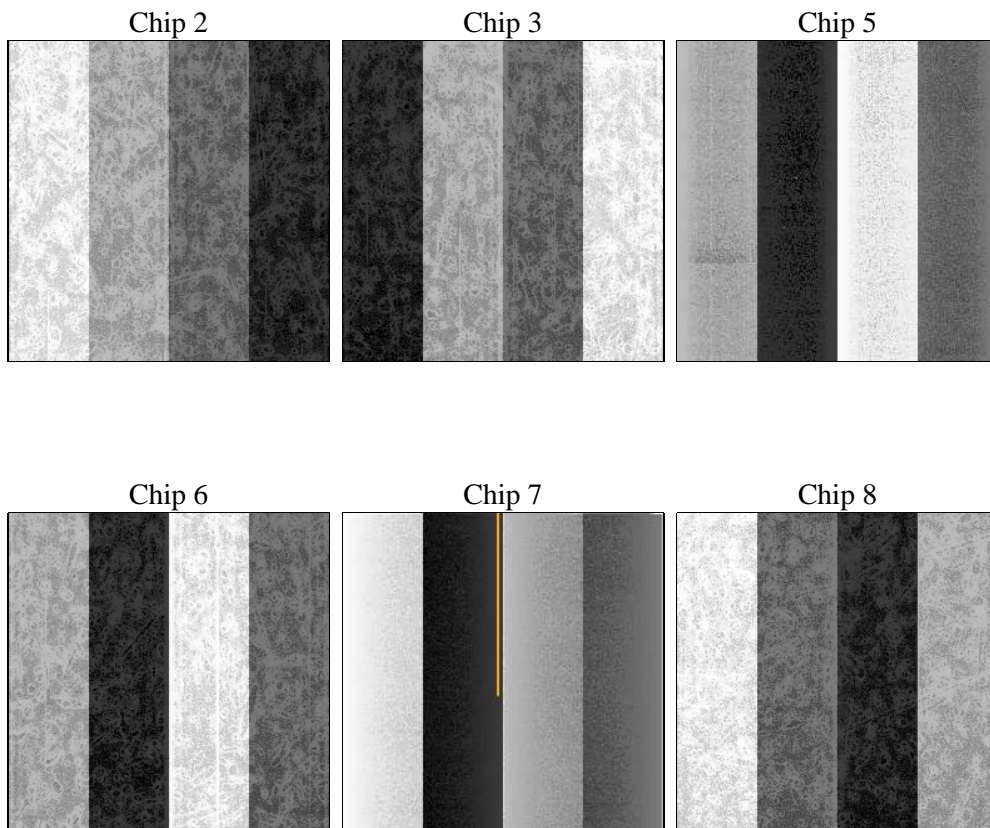
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4751.999982357	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4751.999982357	Sum of GTIs [s]
date	2012-04-19T14:08:21	Date and time of file creation	ontime3	4751.999982357	Sum of GTIs [s]
revision	3	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	314103	Number of level 1 events

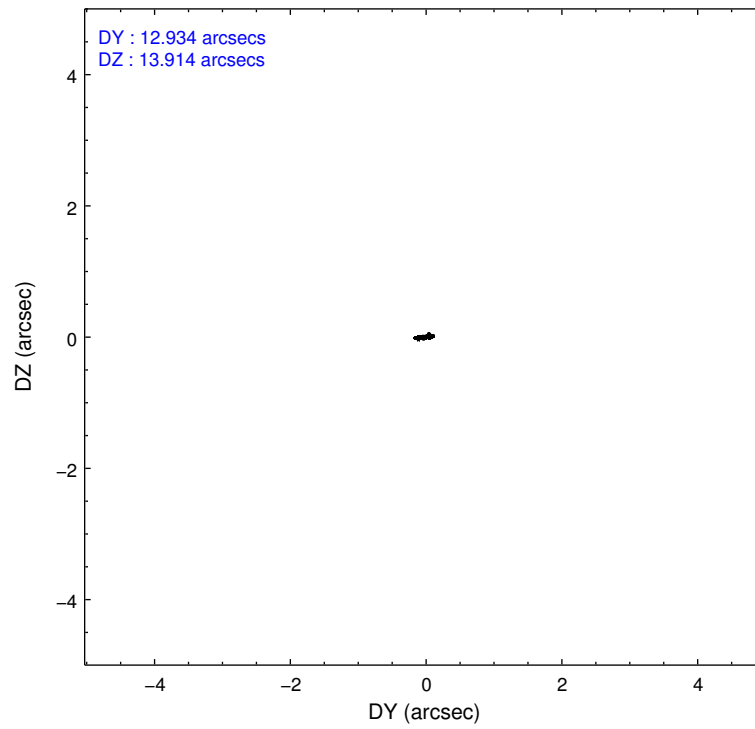
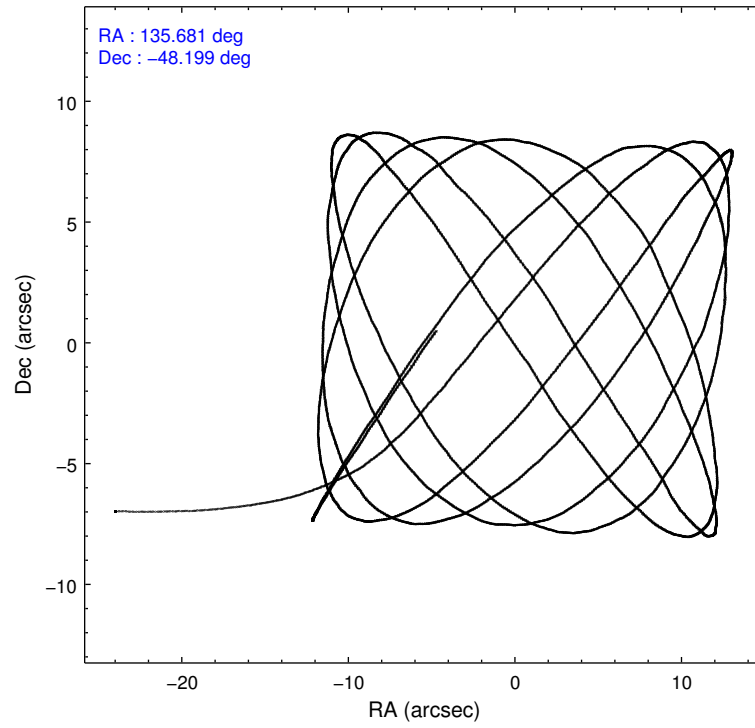
2.1.4 Events

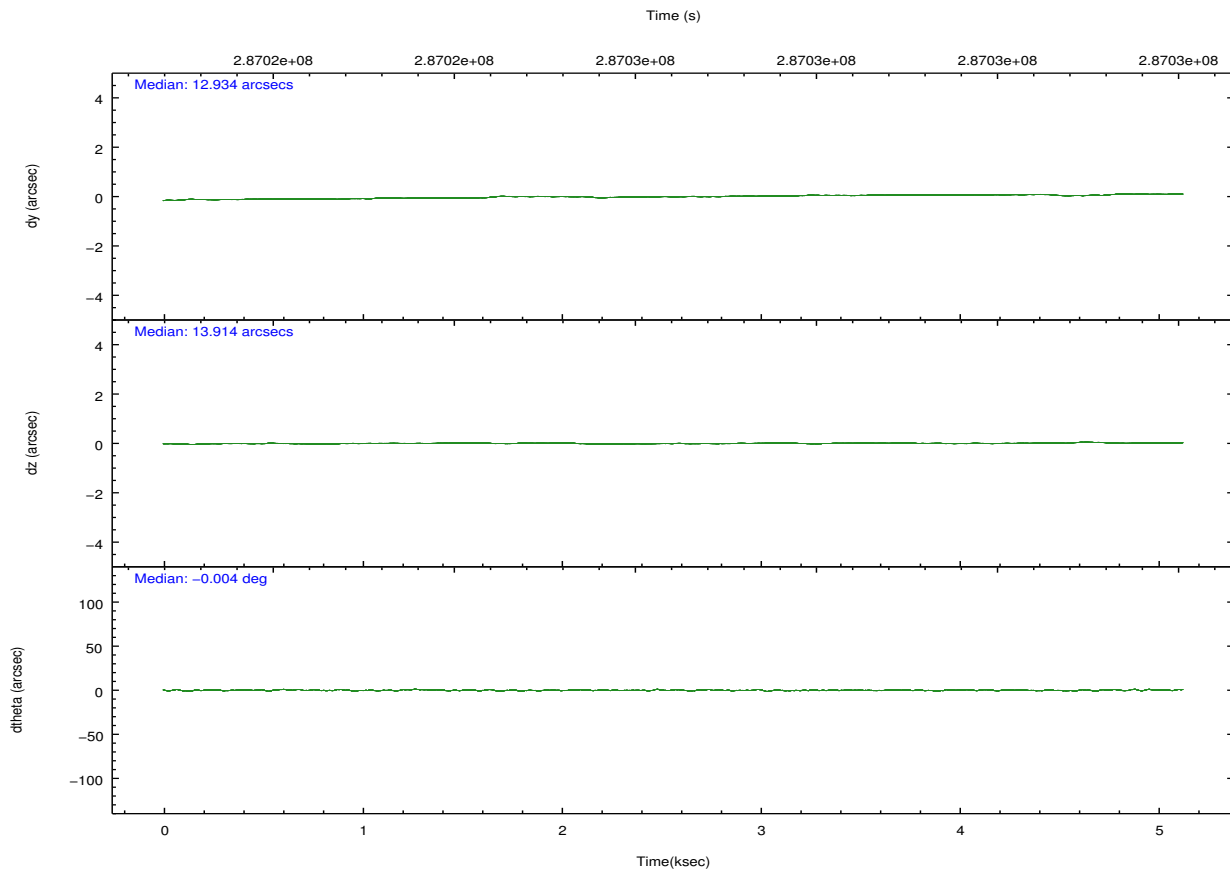
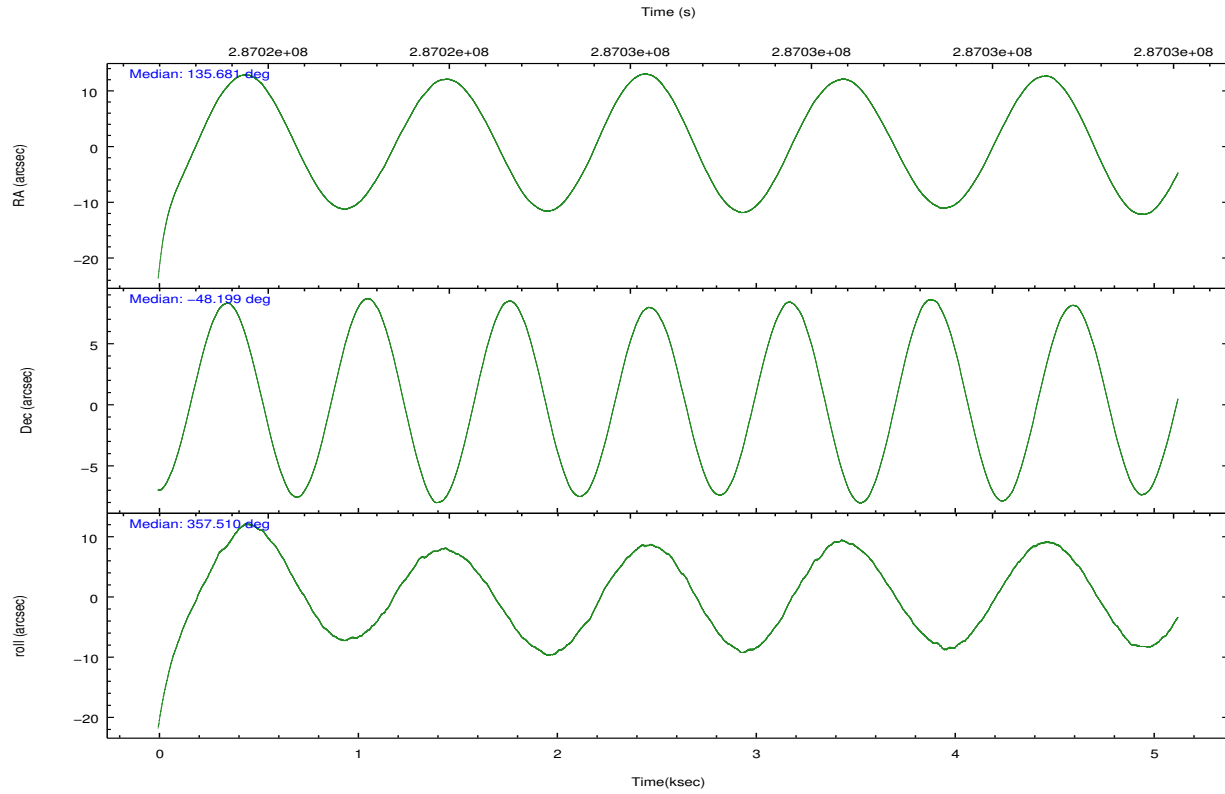
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	42558	41322	67499	43545	61575	57604	grade 0 events	2319	2171	3266	1968	2365	3842
rejected events	37377	36327	35716	38411	35648	45544		5%	5%	4%	4%	3%	6%
rejected %	87%	87%	52%	88%	57%	79%	grade 1 events	22	28	192	21	95	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	1080	959	10054	1139	5325	2632
								2%	2%	14%	2%	8%	4%
							grade 3 events	436	510	1157	498	2221	1363
								1%	1%	1%	1%	3%	2%
							grade 4 events	486	487	1089	503	2271	1267
								1%	1%	1%	1%	3%	2%
							grade 5 events	1712	1894	4753	2055	5758	2635
								4%	4%	7%	4%	9%	4%
							grade 6 events	870	874	16256	1038	13788	2995
								2%	2%	24%	2%	22%	5%
							grade 7 events	35633	34399	30732	36323	29752	42810
								83%	83%	45%	83%	48%	74%

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	135.645320	135.6813604374509	CCD I2 on	O2	Y
[deg] Pointing Dec	-48.211914	-48.19898027371711	CCD I3 on	Y	Y
[deg] Pointing Roll	357.328315	357.5118112908396	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	287023767.184000	287022098.82349	CCD S5 on	N	N
Observation start date	2007-02-05T00:48:22	2007-02-05T00:21:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	287028767.184000	287029461.91134	On-chip summing requested	N	N
Observation end date	2007-02-05T02:11:42	2007-02-05T02:24:21	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



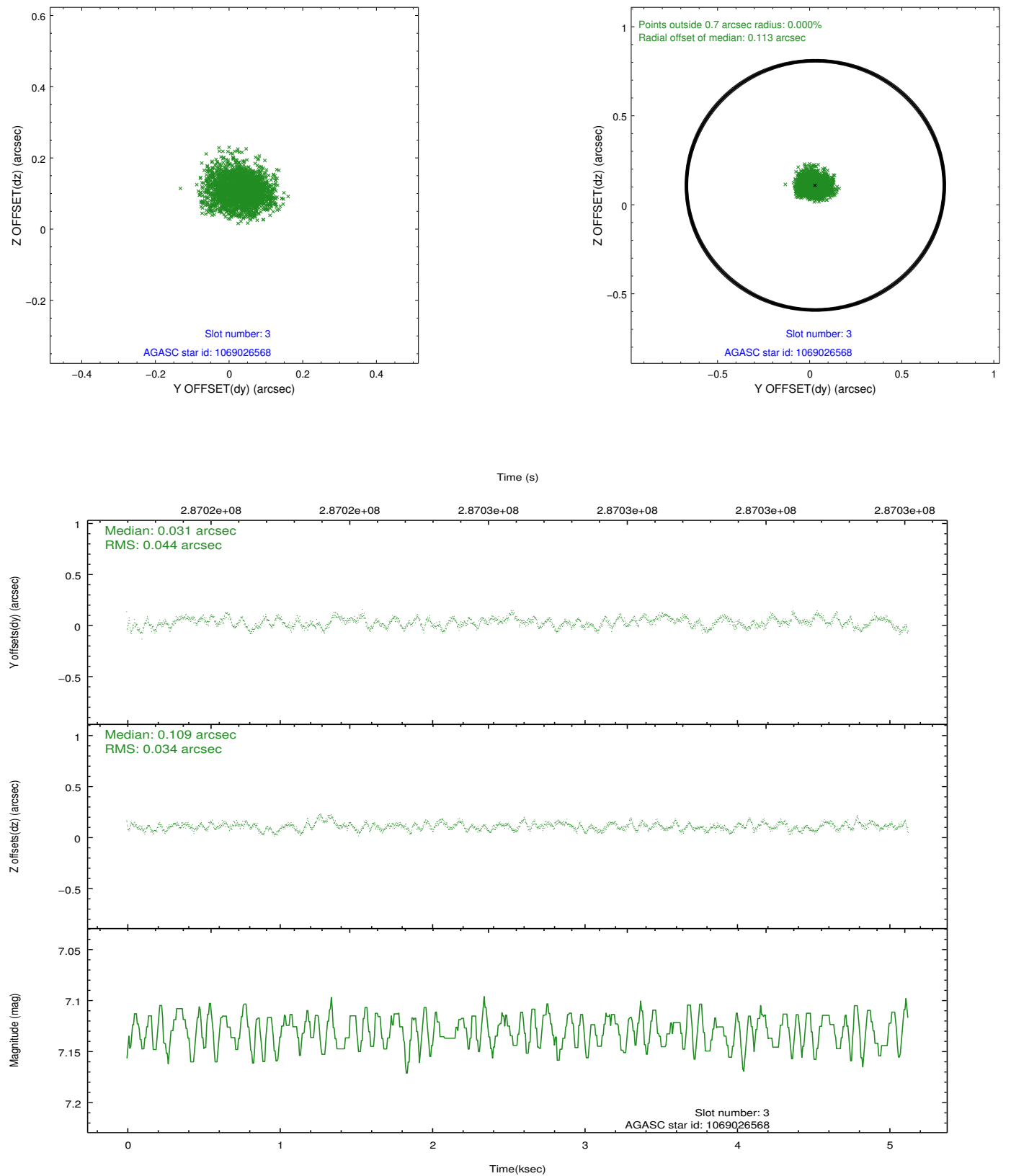


Slot Statistics

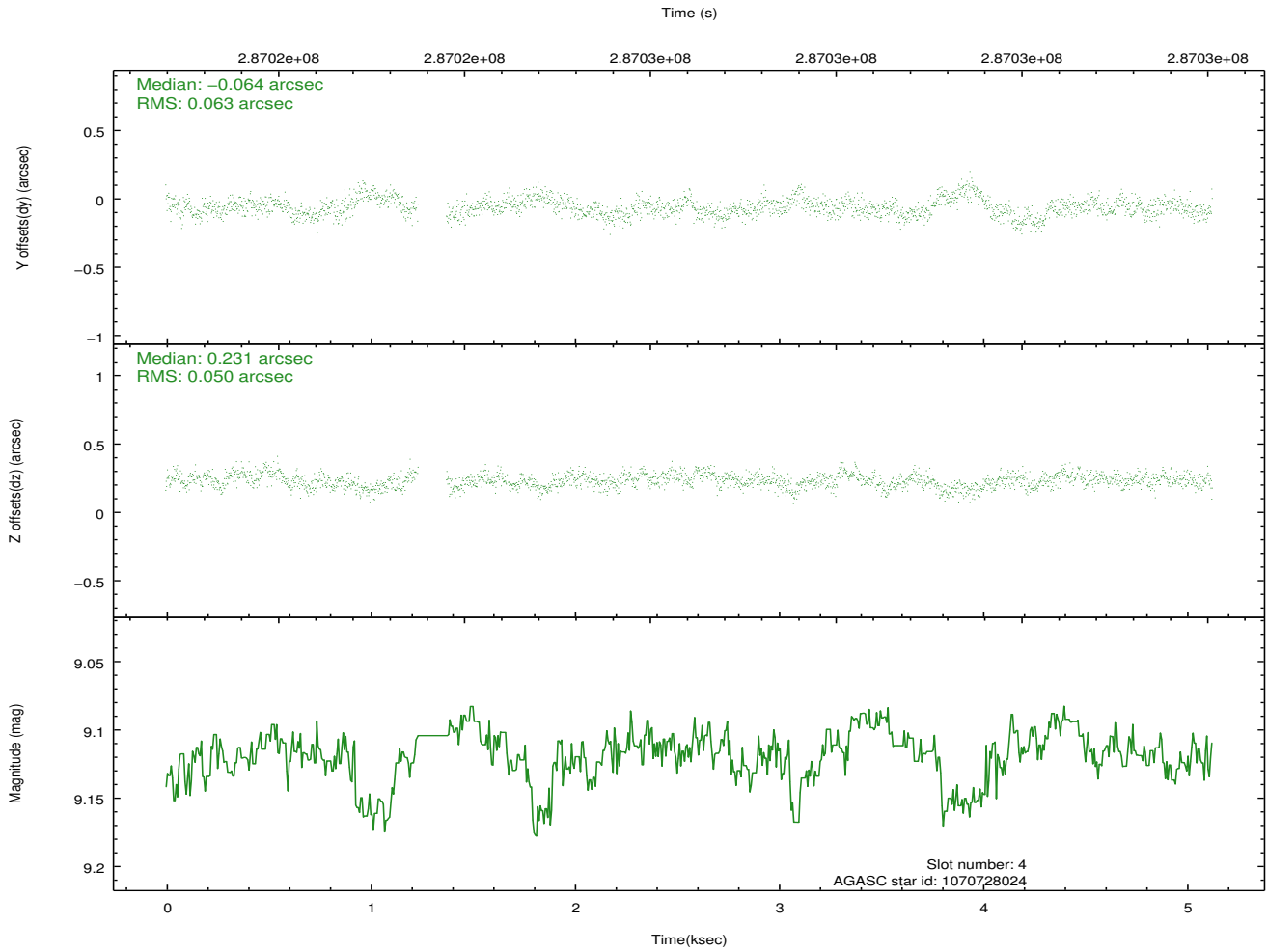
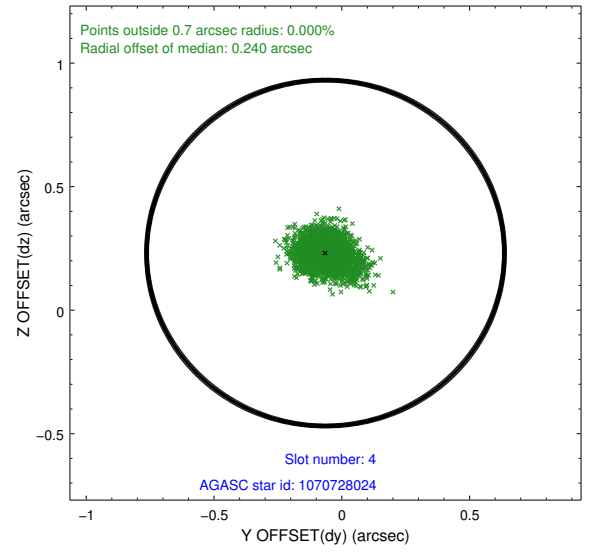
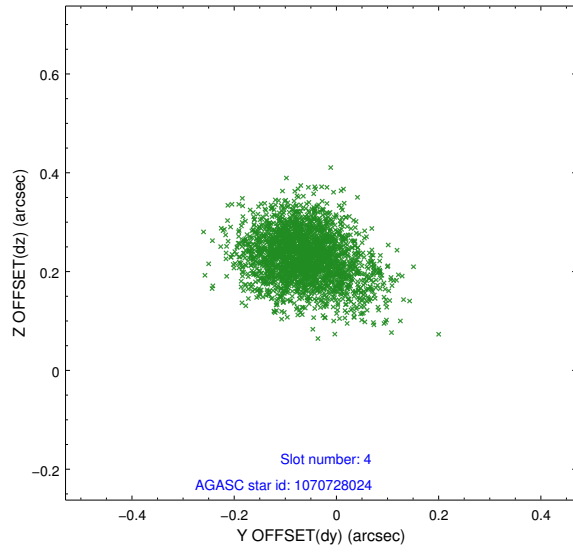
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1251	0.038	0.016	0.007	0.011	0.000000	0.000000	930.18	-1730.90
1	FID	ACIS-S-2	7.09	1251	-0.129	-0.057	0.006	0.009	0.000000	0.000000	-765.23	-1736.70
2	FID	ACIS-S-4	7.19	1251	0.064	0.047	0.006	0.010	0.000000	0.000000	2146.96	172.03
3	GUIDE	1069026568	7.13	2502	0.031	0.109	0.059	0.096	134.843519	-48.291320	-1903.86	-384.89
4	GUIDE	1070728024	9.12	2427	-0.064	0.231	0.084	0.143	136.493249	-48.314577	2045.47	-285.50
5	GUIDE	1070735416	7.80	2501	0.061	0.062	0.056	0.090	135.093827	-48.714427	-1222.70	-1872.65
6	GUIDE	1070728952	9.04	2501	0.149	-0.279	0.089	0.148	136.192749	-48.216524	1312.82	39.31
7	GUIDE	1070731224	8.56	2501	-0.180	-0.115	0.062	0.101	136.463878	-47.768563	1905.49	1676.38

2.4 Star Slots

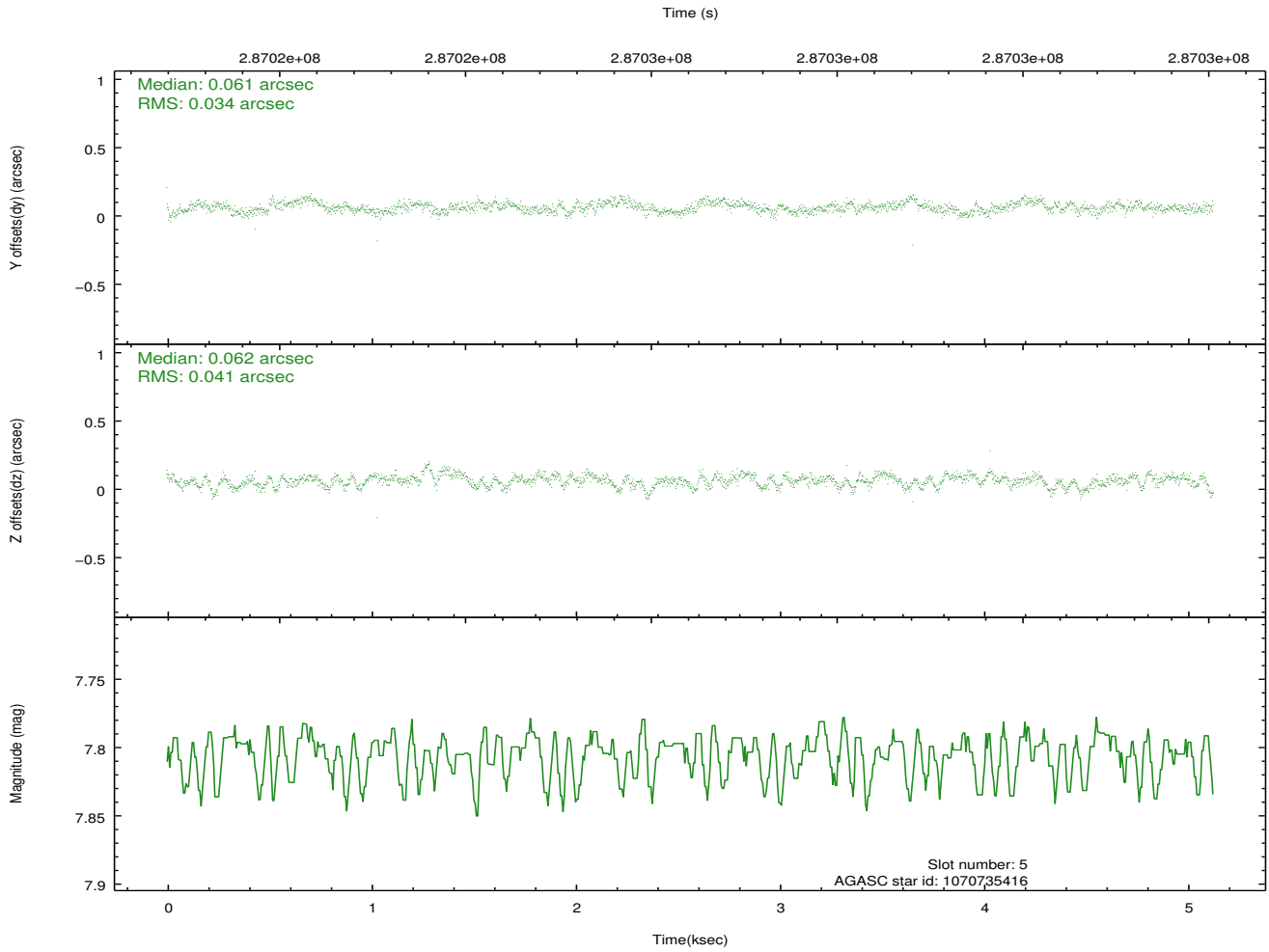
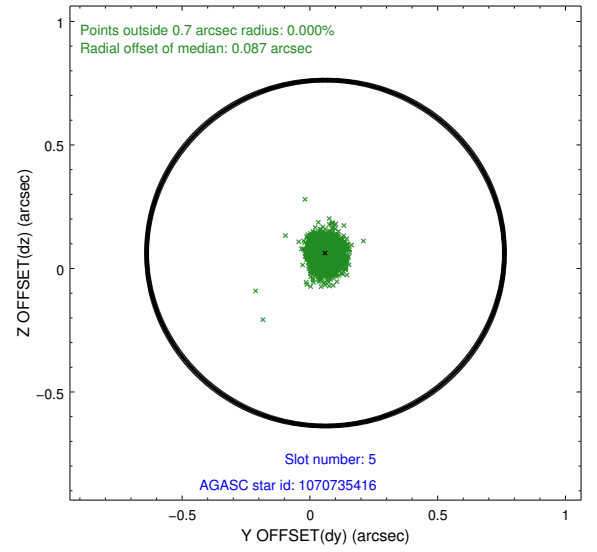
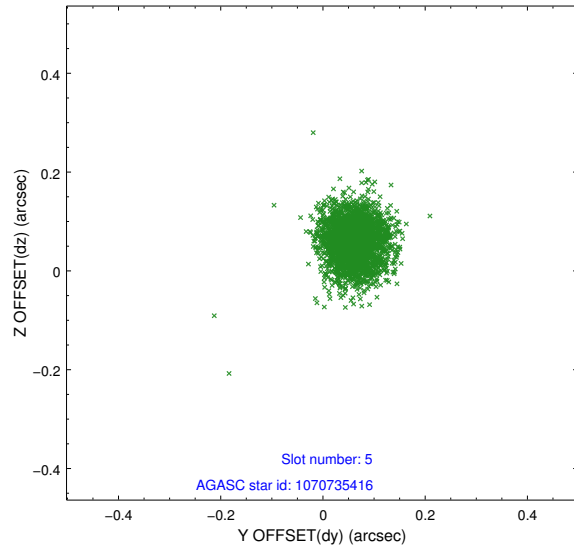
2.4.1 Slot 3



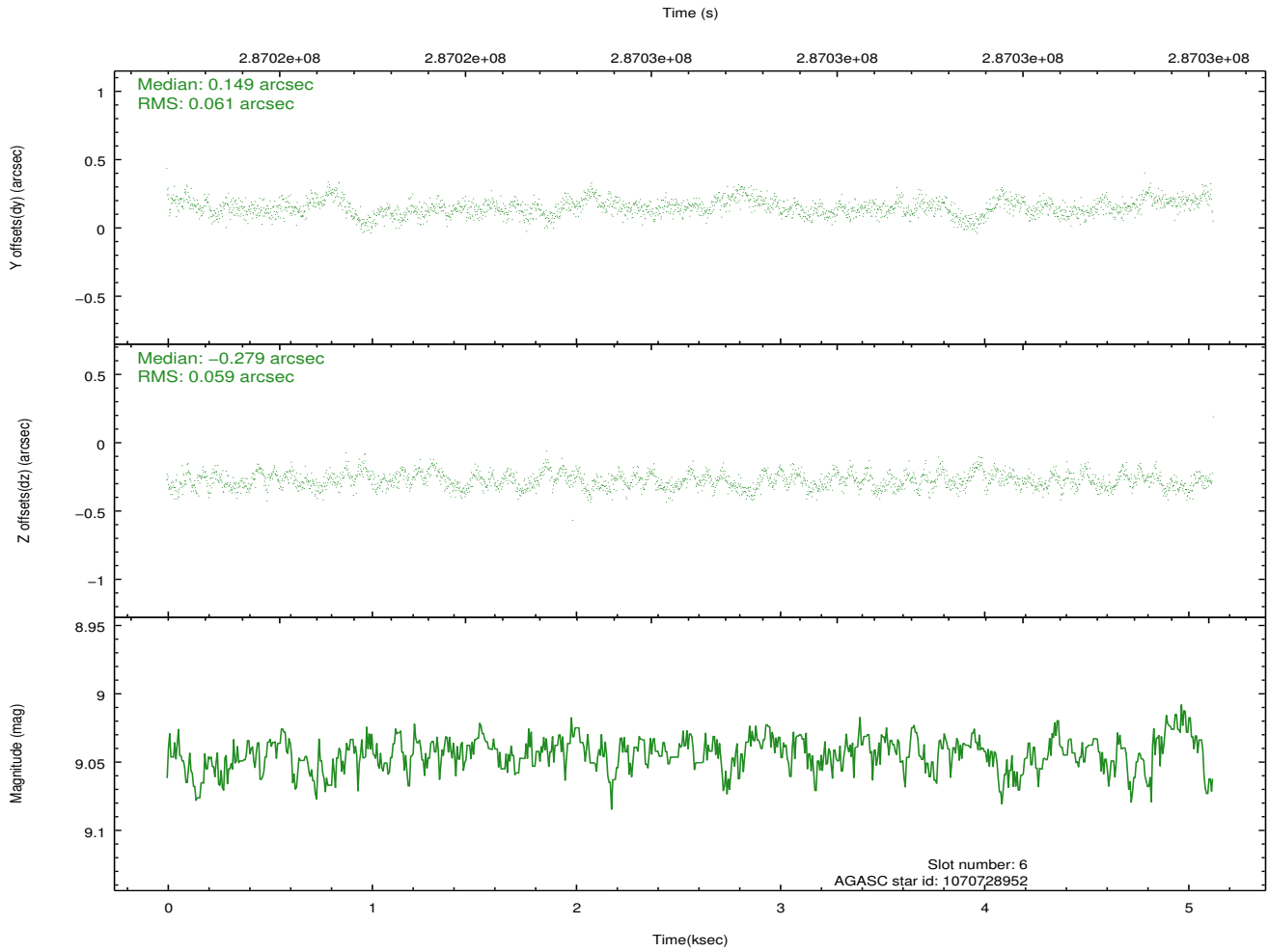
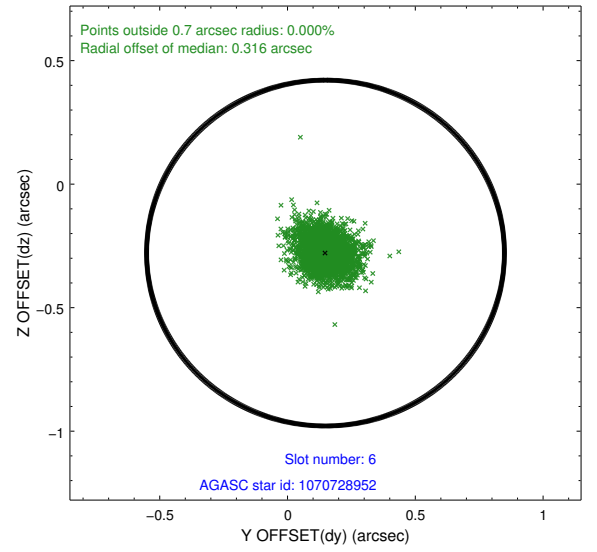
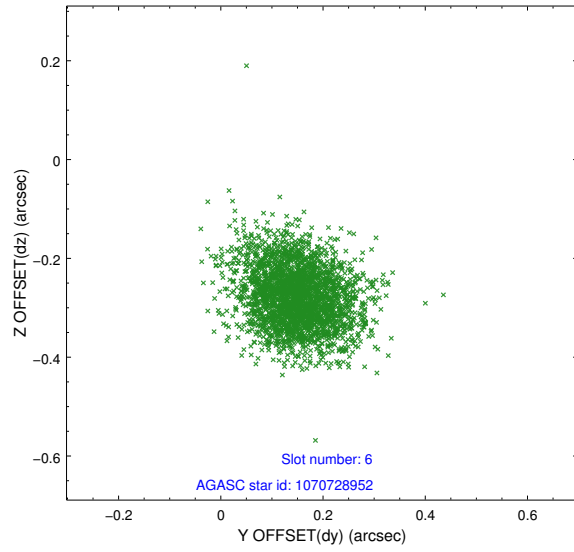
2.4.2 Slot 4



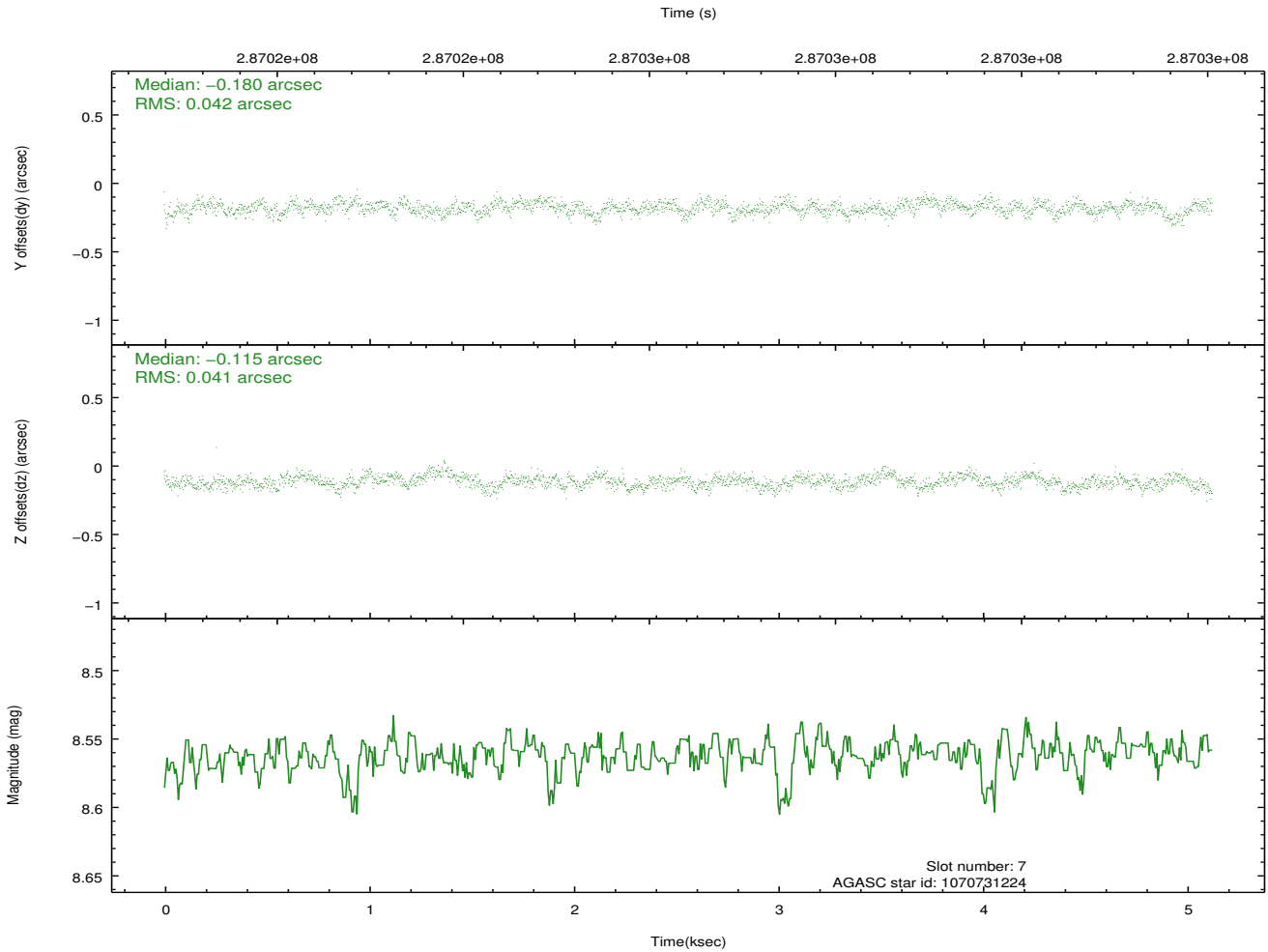
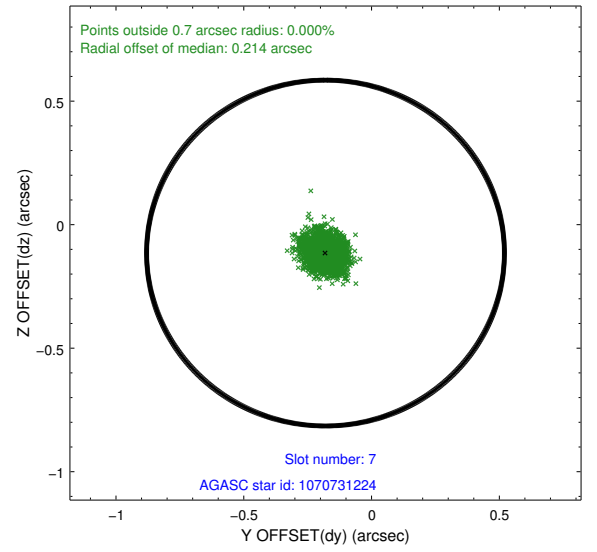
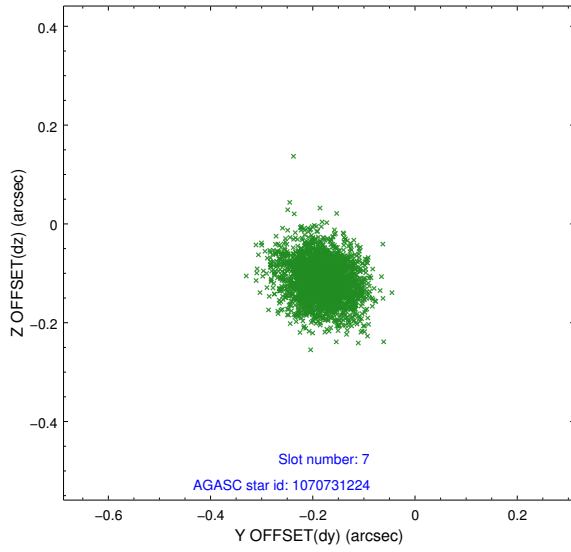
2.4.3 Slot 5



2.4.4 Slot 6

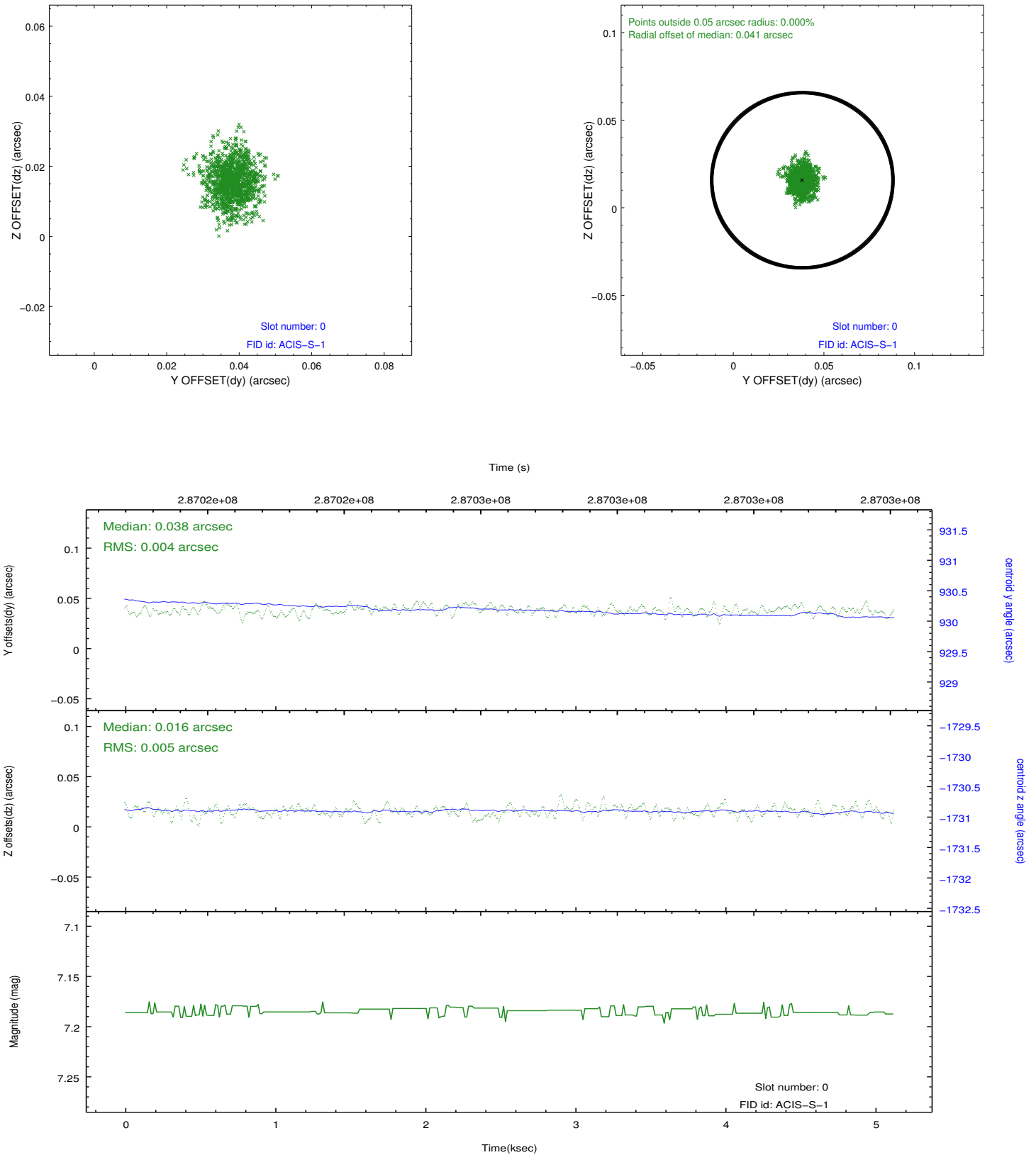


2.4.5 Slot 7

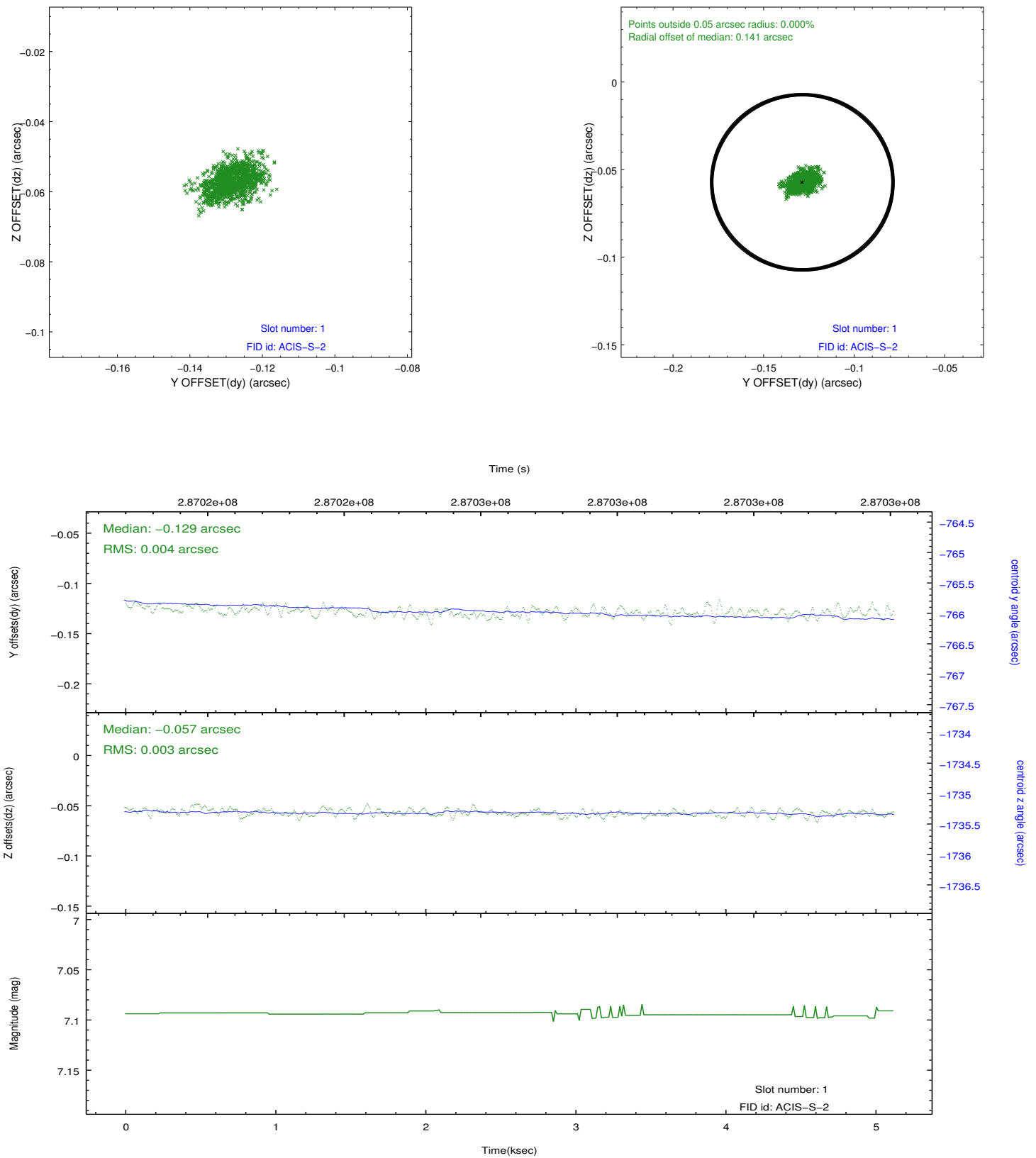


2.5 FID Slots

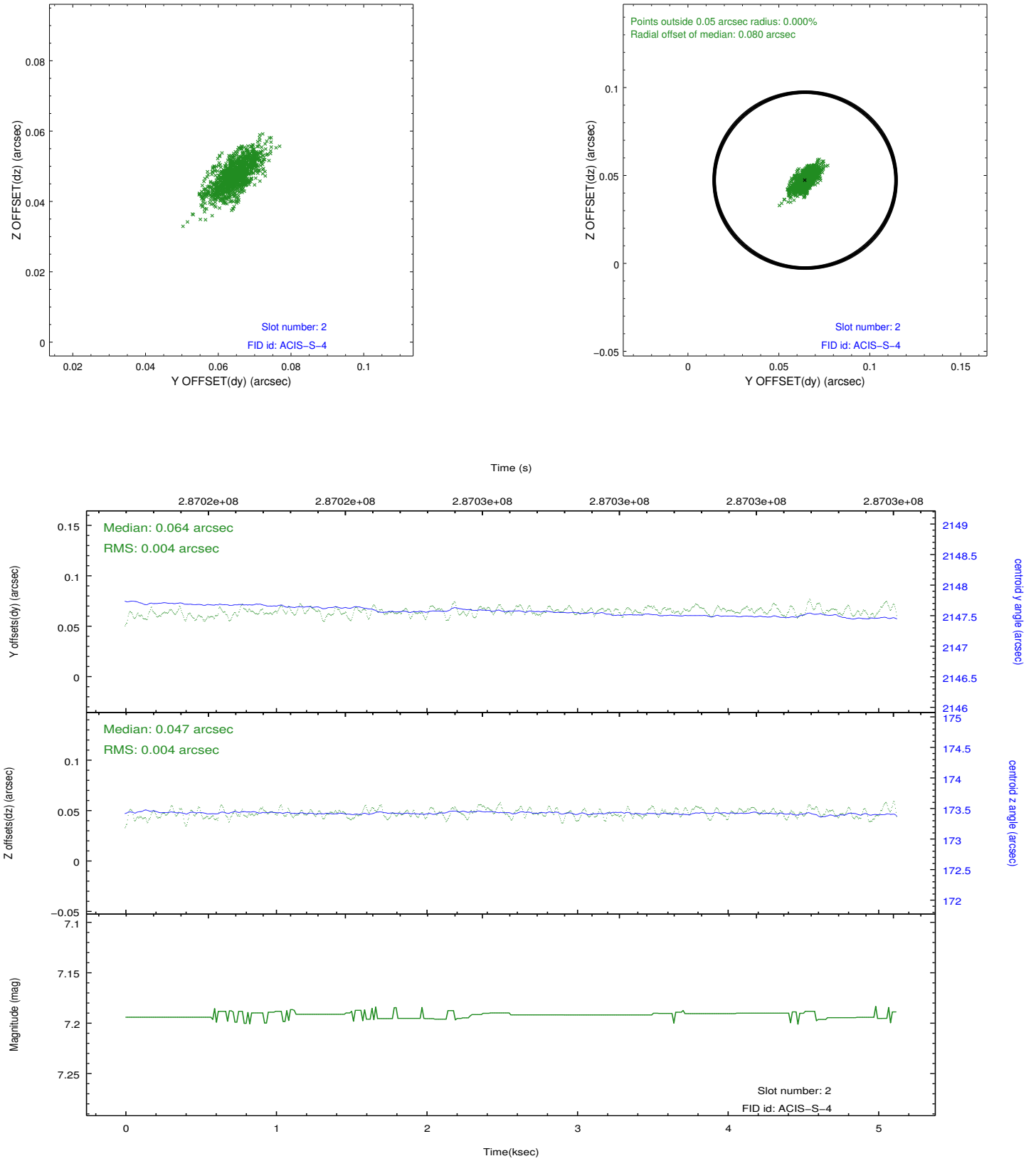
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75199998

A.2 Comments