

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12416 - L2 Version 2
Chandra X-Ray Center

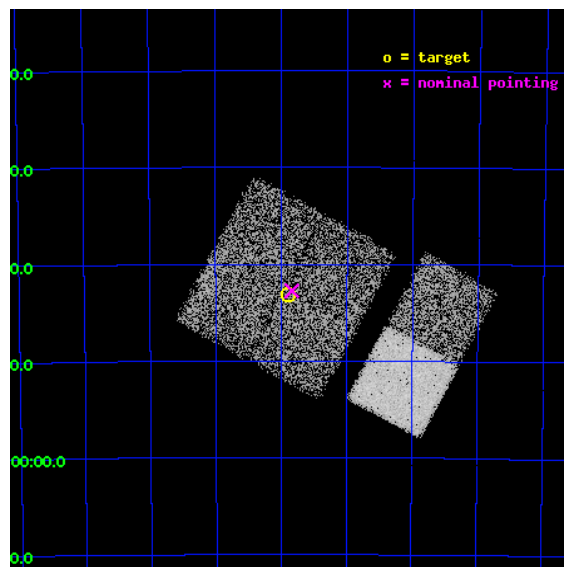
L2 Processing Date : Jul 7 2012

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1 Front

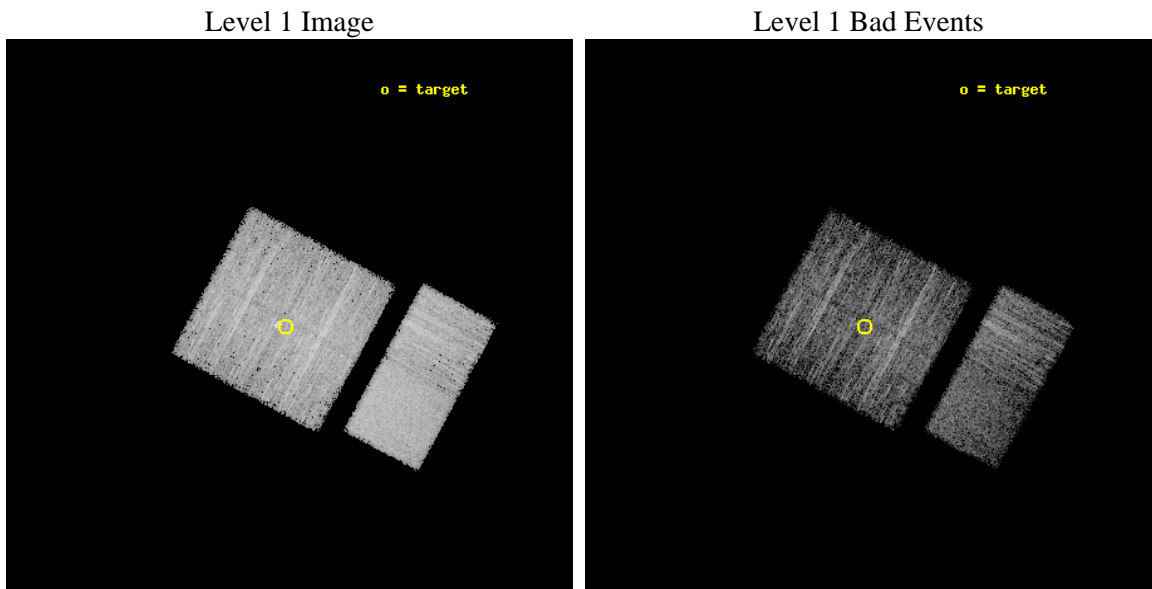
seq_num	401157	Sequence number
obs_id	12416	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	Dr. John Tomsick	Principal investigator
object	IGR J12489-6243	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.222917	Observer's specified target RA [deg]
dec_targ	-62.718	Observer's specified target Dec [deg]
ra_nom	192.20984616802	Nominal RA [deg]
dec_nom	-62.712495546297	Nominal Dec [deg]
roll_nom	118.47900817865	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5049.5999812484	Sum of GTIs [s]
livetime	4985.6589057817	Livetime [s]
ontime0	5049.5999812484	Sum of GTIs [s]
ontime1	5049.5999812484	Sum of GTIs [s]
ontime2	5049.5999812484	Sum of GTIs [s]
ontime3	5049.5999812484	Sum of GTIs [s]
ontime6	5049.5999812484	Sum of GTIs [s]
ontime7	5049.5999812484	Sum of GTIs [s]
l2events	36722	Number of level 2 events



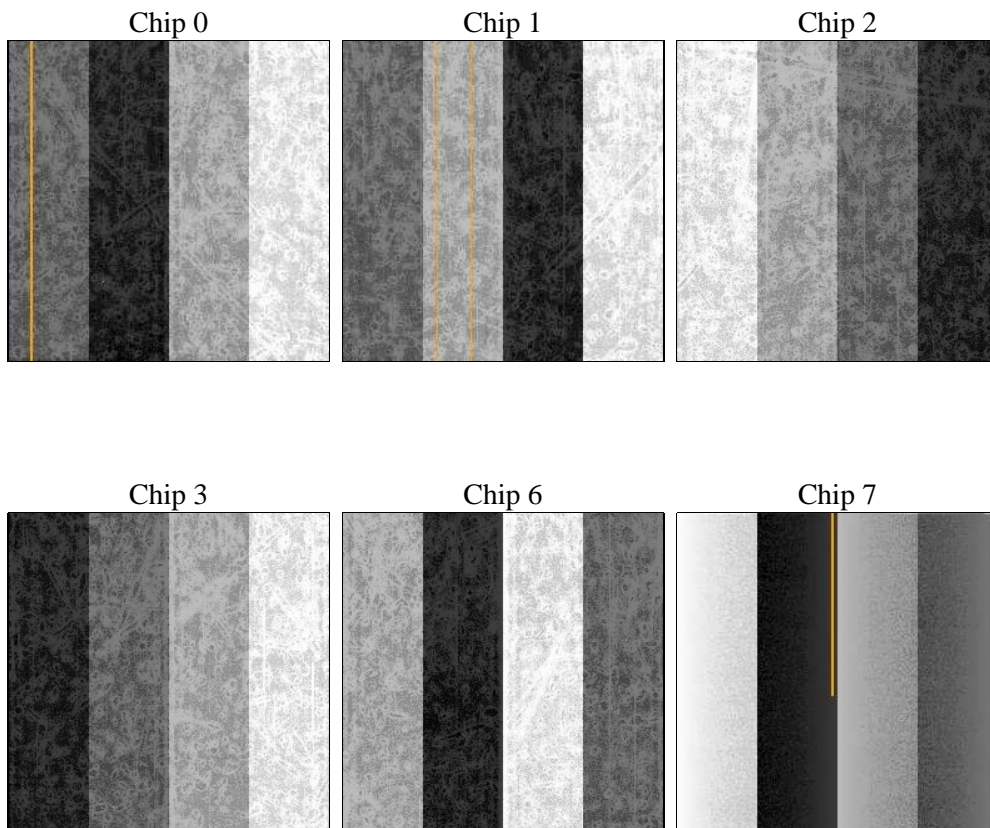
2 OBI

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	8.4.5	Processing system revision	ontime	5049.5999812484	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	5049.5999812484	Sum of GTIs [s]
date	2012-07-07T04:32:28	Date and time of file creation	ontime1	5049.5999812484	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5049.5999812484	Sum of GTIs [s]
			ontime3	5049.5999812484	Sum of GTIs [s]
			ontime6	5049.5999812484	Sum of GTIs [s]
			ontime7	5049.5999812484	Sum of GTIs [s]
			l1events	219875	Number of level 1 events

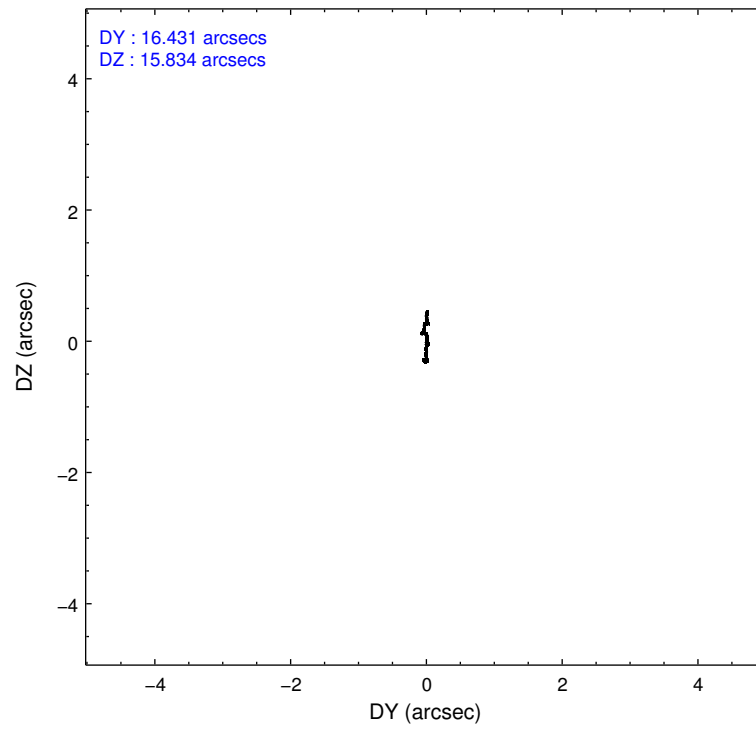
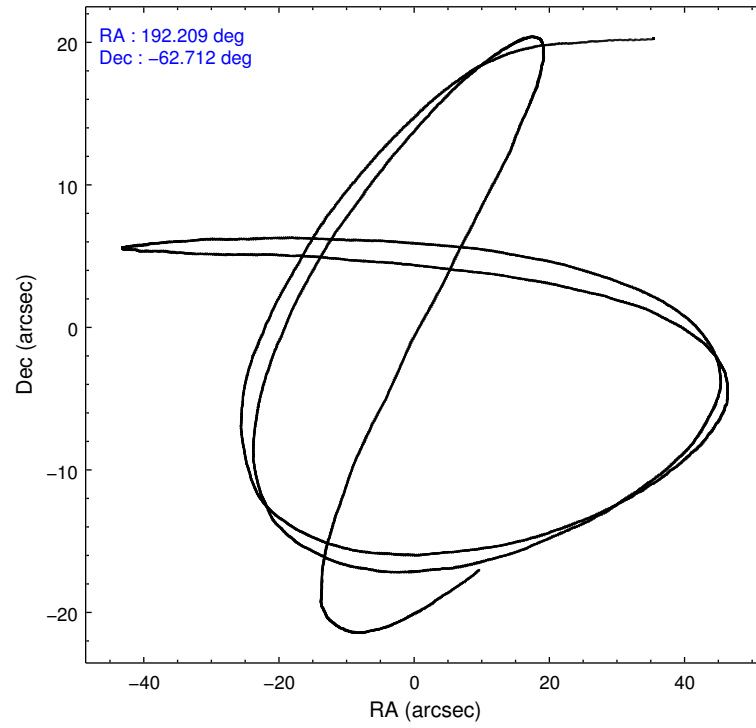
2.1.4 Events

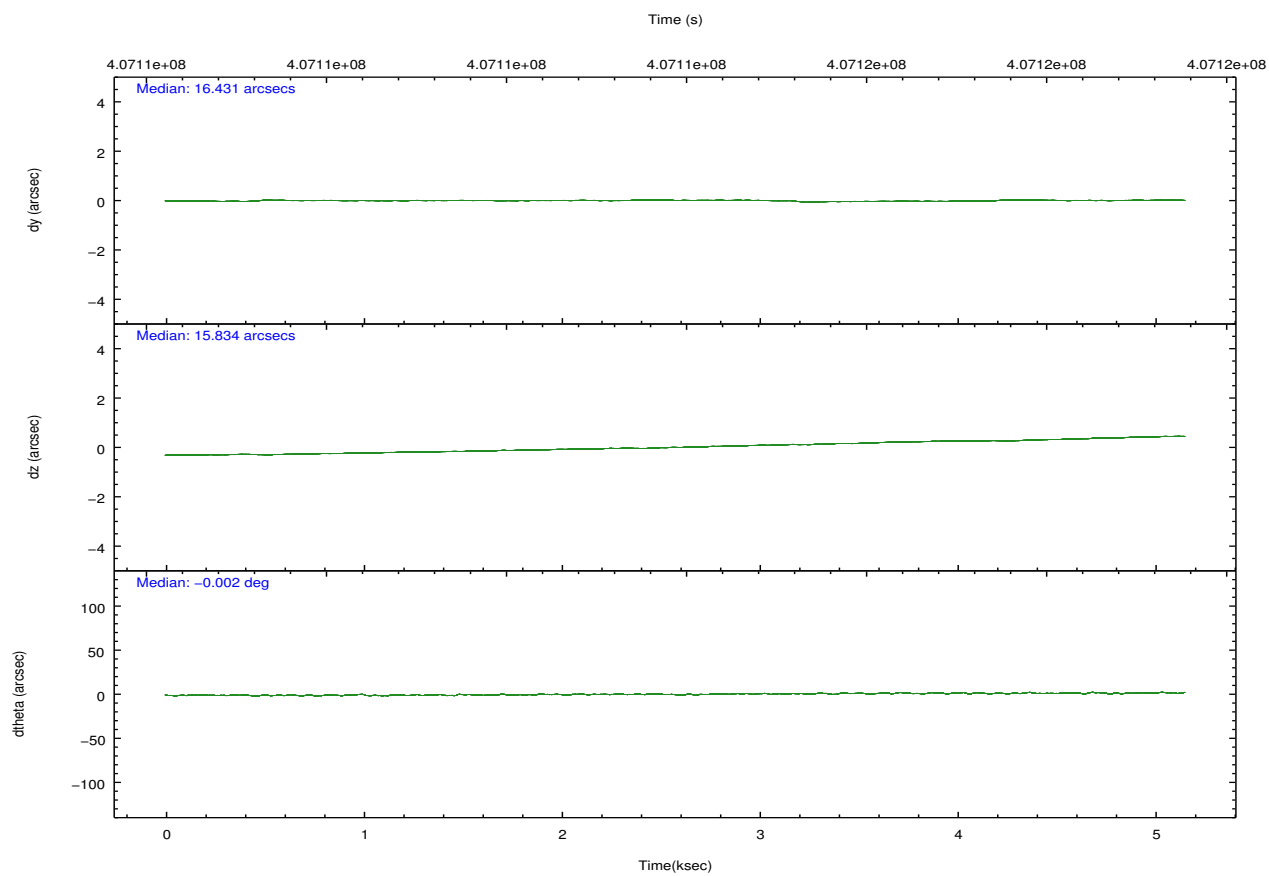
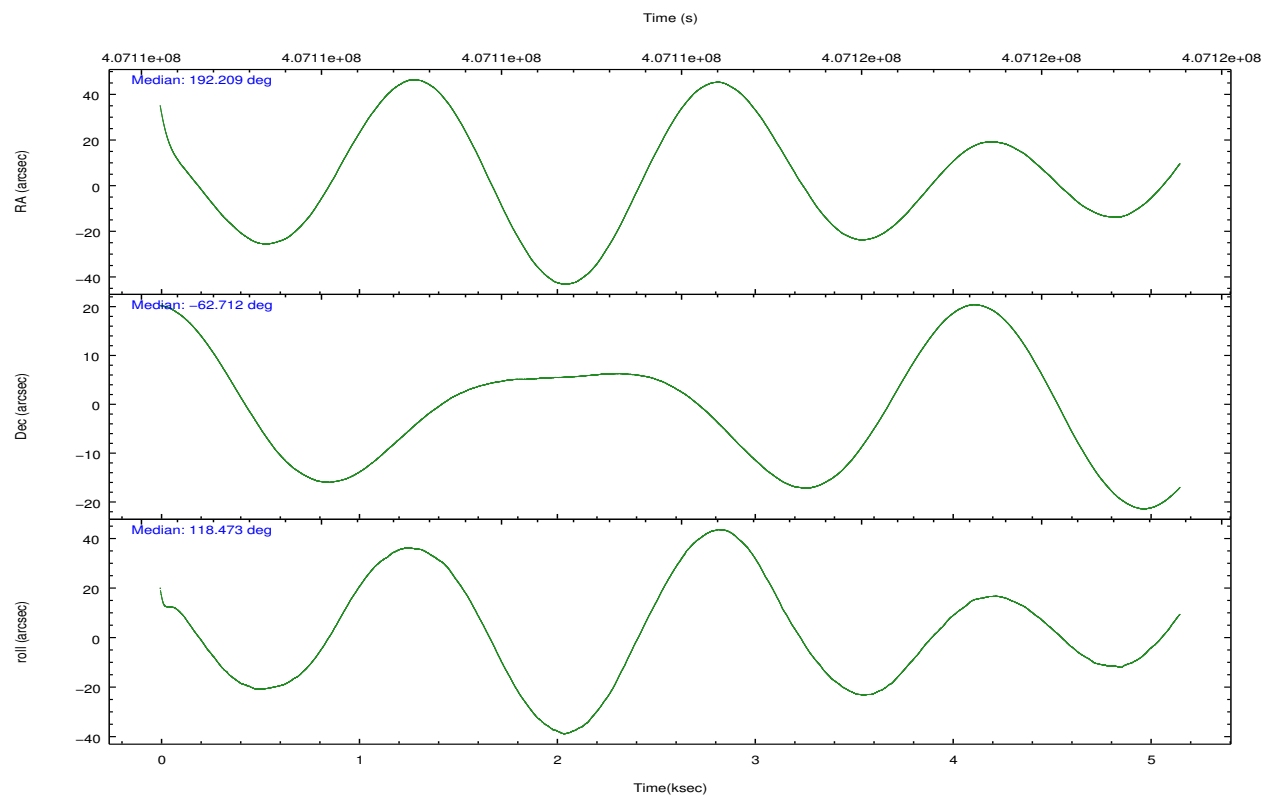
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	31522	34952	35551	35371	38231	44248	grade 0 events	1536	1709	1491	1399	1509	1823
rejected events	27429	29002	31591	31520	33978	24430		4%	4%	4%	3%	3%	4%
rejected %	87%	82%	88%	89%	88%	55%	grade 1 events	13	18	36	24	23	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	975	2530	907	842	949	4101
								3%	7%	2%	2%	2%	9%
							grade 3 events	438	423	448	424	446	1741
								1%	1%	1%	1%	1%	3%
							grade 4 events	366	426	396	394	425	1714
								1%	1%	1%	1%	1%	3%
							grade 5 events	1473	1510	1426	1641	1677	4505
								4%	4%	4%	4%	4%	10%
							grade 6 events	791	872	723	802	935	10462
								2%	2%	2%	2%	2%	23%
							grade 7 events	25930	27464	30124	29845	32267	19857
								82%	78%	84%	84%	84%	44%

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	192.261554	192.2098461680228	CCD I2 on	Y	Y
[deg] Pointing Dec	-62.726643	-62.71249554629698	CCD I3 on	Y	Y
[deg] Pointing Roll	118.316318	118.4790081786533	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5899487761303	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.002504226799430853	CCD S4 on	N	N
[s] Observation start time (MET)	407111507.184000	407110298.88678	CCD S5 on	N	N
Observation start date	2010-11-25T22:30:41	2010-11-25T22:11:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	407116507.184000	407117659.92466	On-chip summing requested	N	N
Observation end date	2010-11-25T23:54:01	2010-11-26T00:14:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



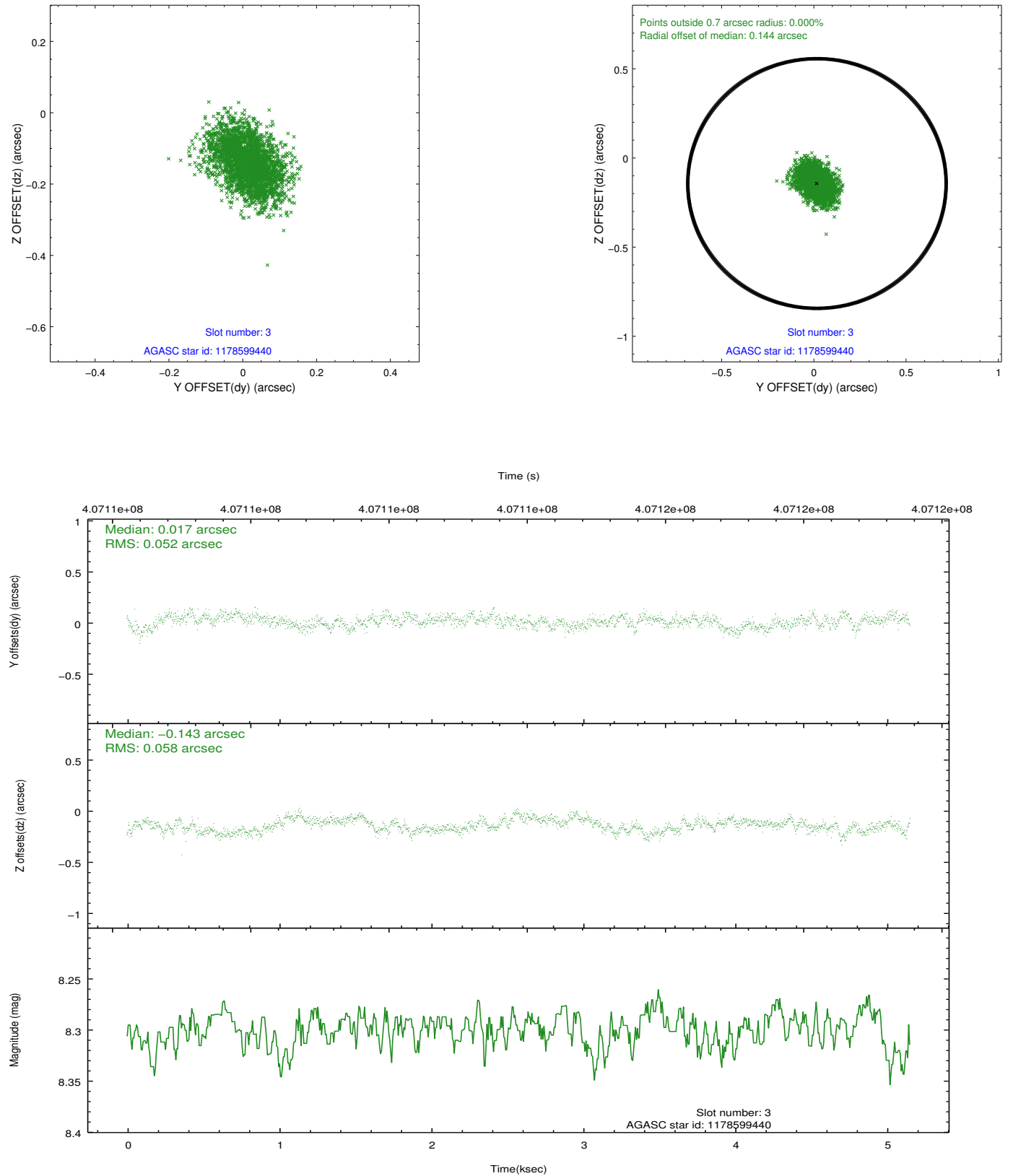


Slot Statistics

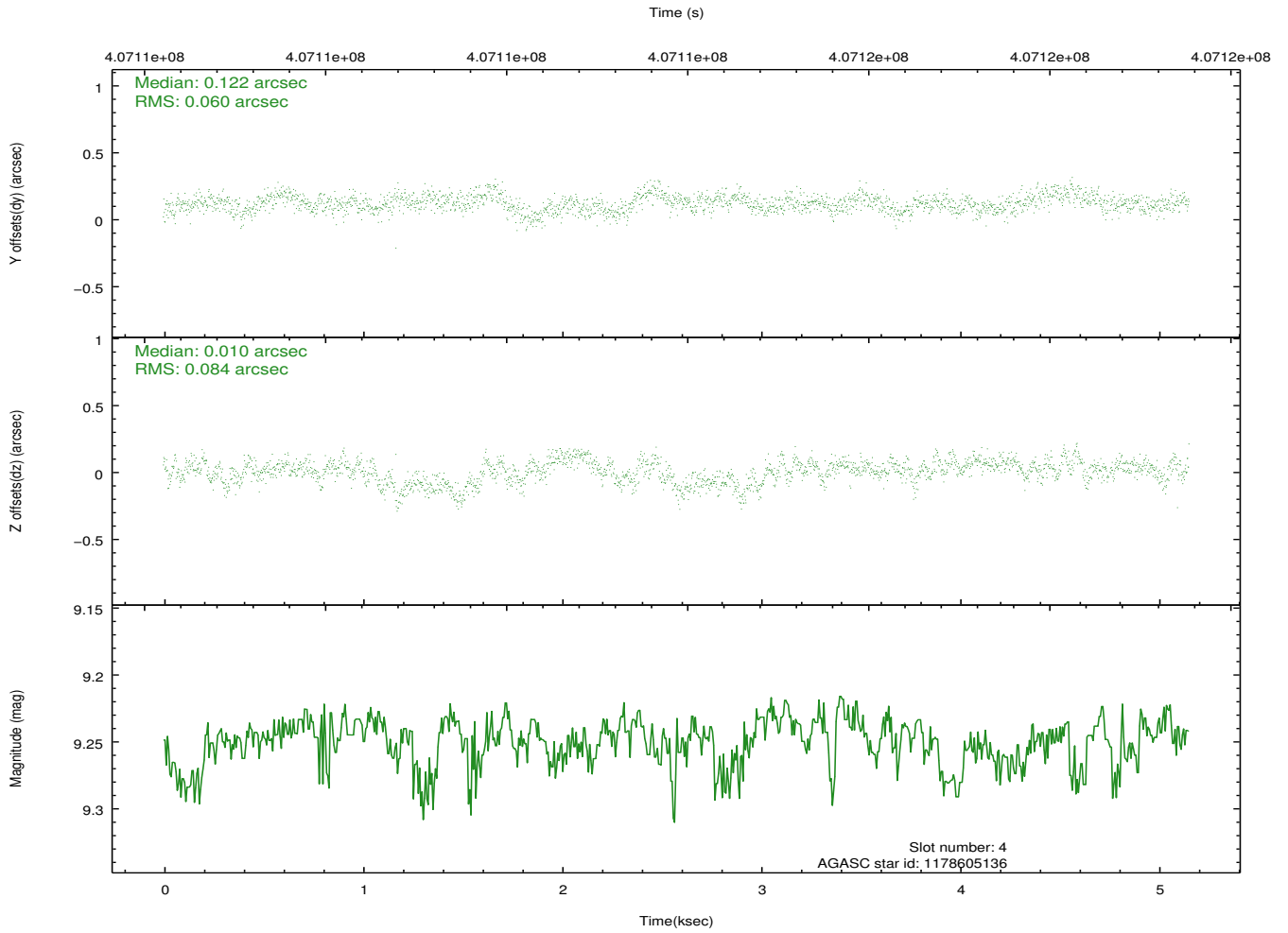
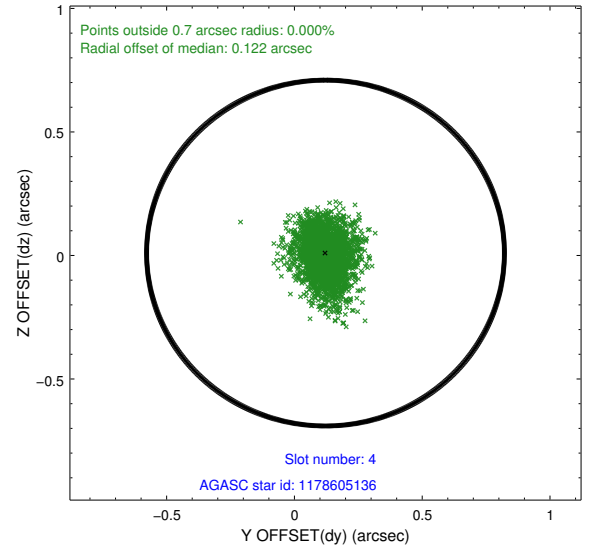
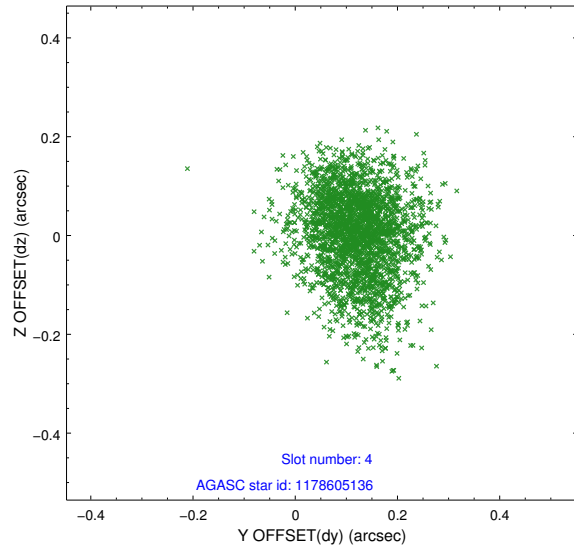
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.12	1257	0.041	-0.029	0.023	0.031	0.000000	0.000000	923.04	-839.45
1	FID	ACIS-I-5	7.12	1258	-0.211	0.042	0.014	0.020	0.000000	0.000000	-1824.68	1057.51
2	FID	ACIS-I-6	7.13	1257	0.078	0.057	0.011	0.017	0.000000	0.000000	387.33	1703.36
3	GUIDE	1178599440	8.30	2514	0.017	-0.143	0.083	0.133	192.040747	-63.038689	-818.21	849.86
4	GUIDE	1178605136	9.25	2511	0.122	0.010	0.109	0.179	191.777733	-63.085602	-766.23	1308.14
5	GUIDE	1178737232	7.83	2513	-0.021	0.030	0.064	0.106	193.277205	-62.682335	-666.82	-1546.77
6	GUIDE	1178605464	8.61	2514	-0.118	0.025	0.083	0.136	191.235246	-62.214248	2428.74	646.84
7	GUIDE	1178735296	8.14	2513	0.010	0.083	0.075	0.116	193.760696	-62.558868	-671.67	-2462.07

2.4 Star Slots

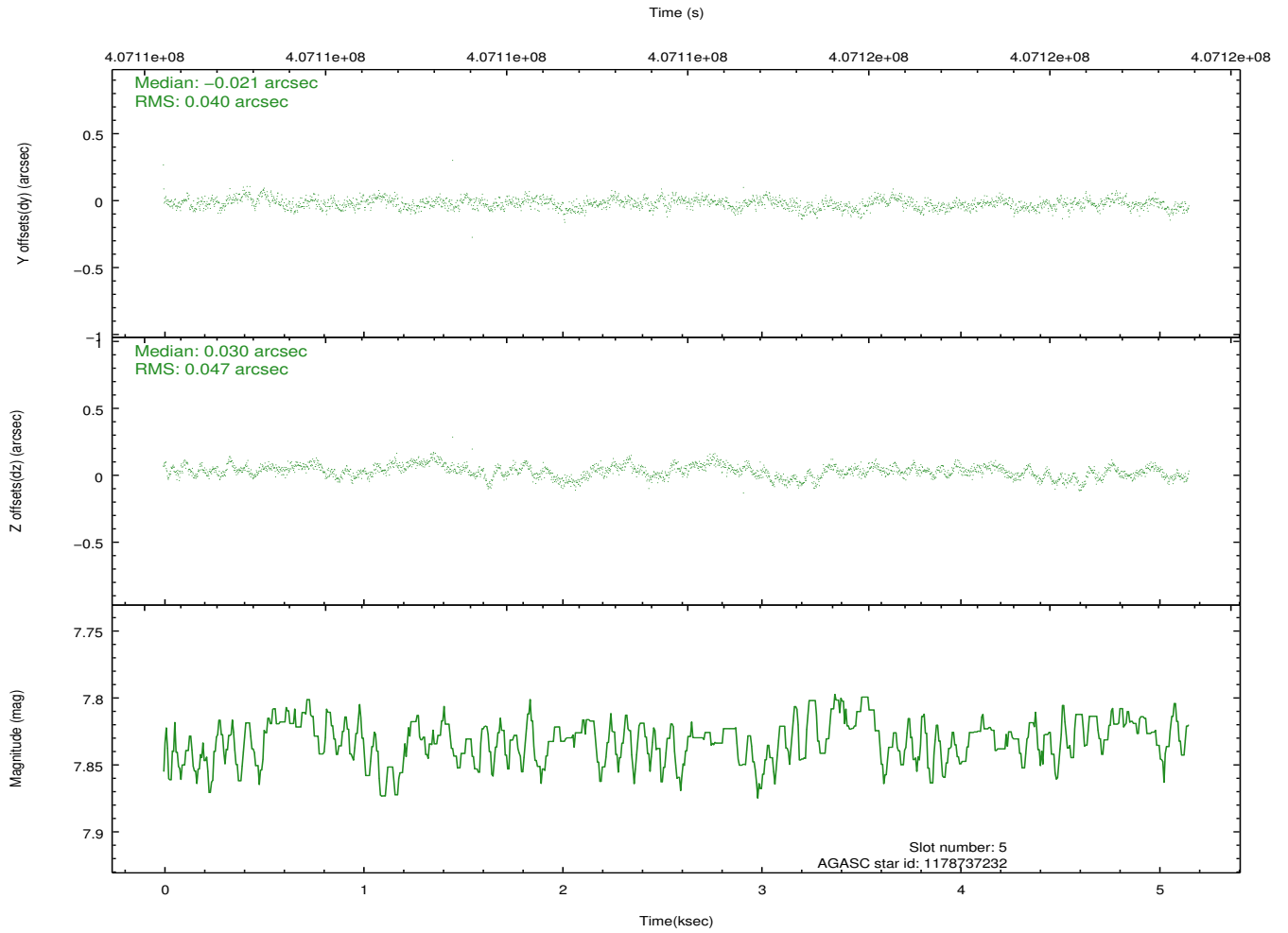
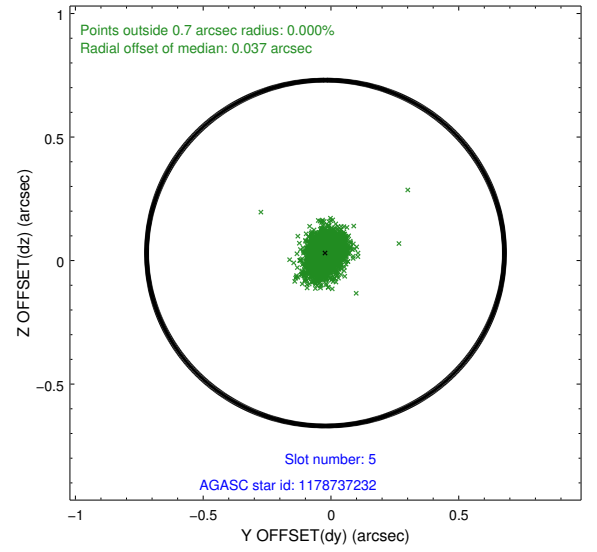
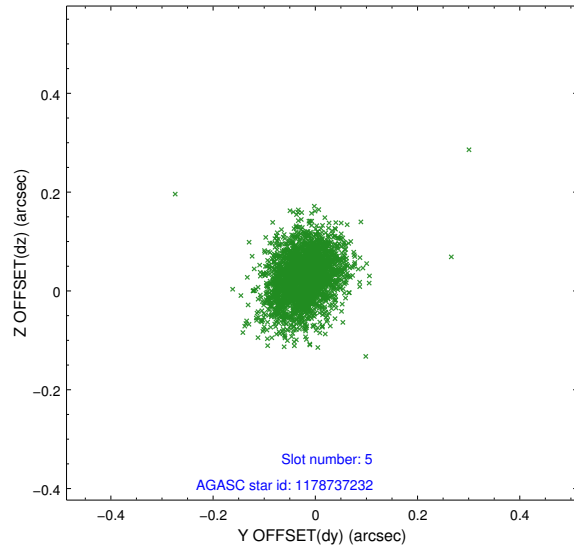
2.4.1 Slot 3



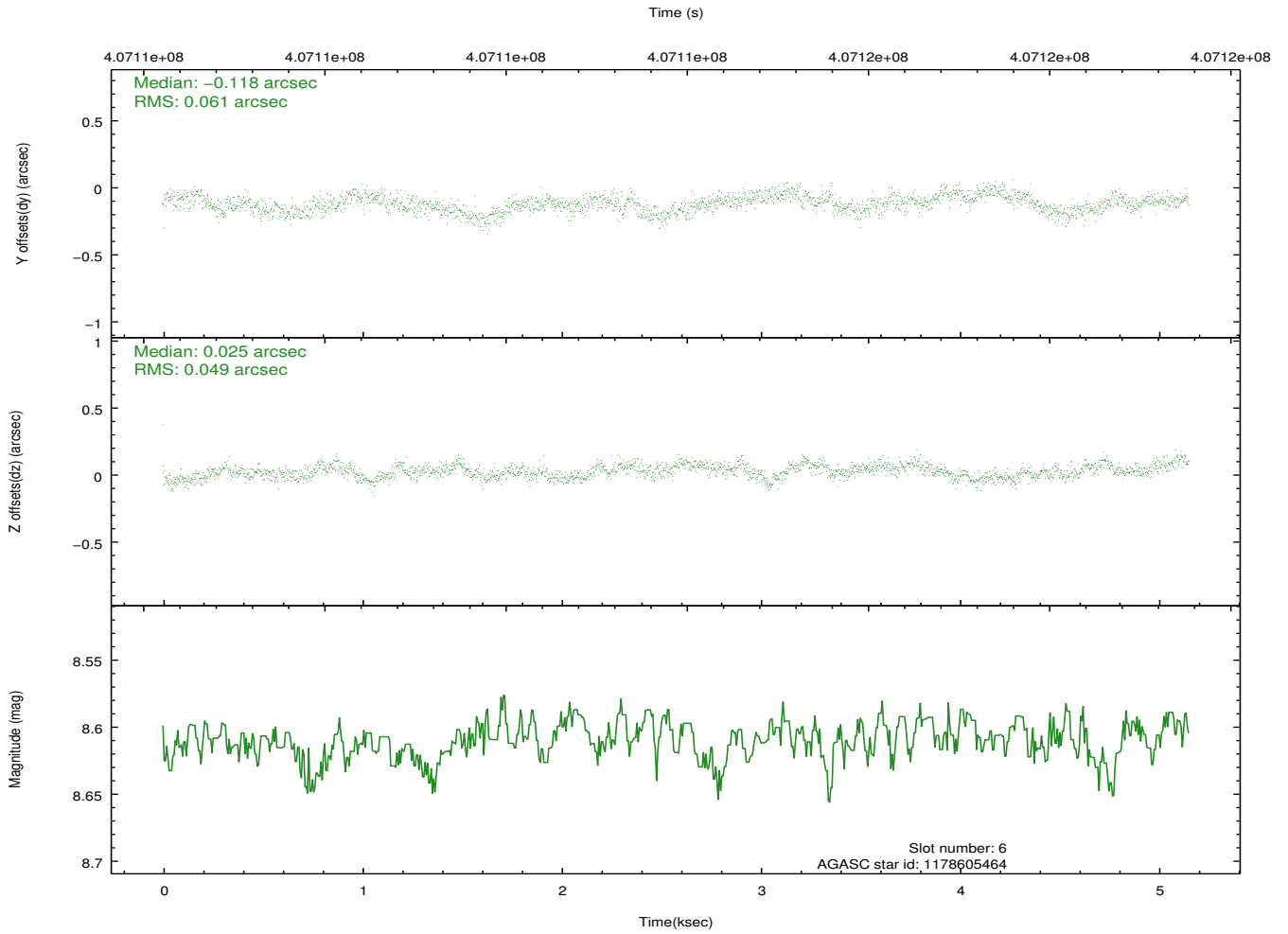
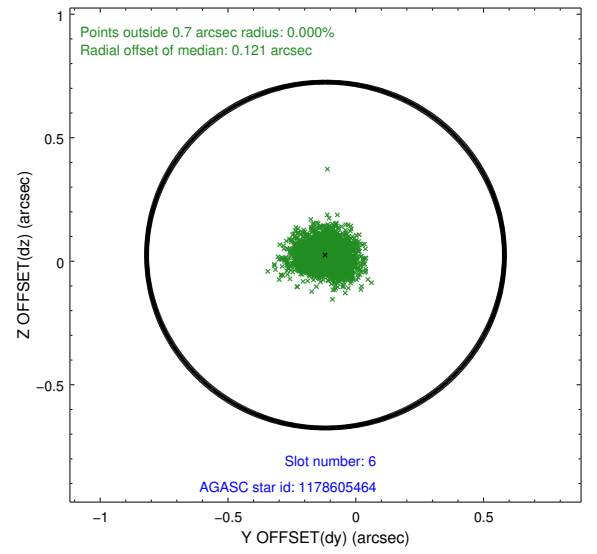
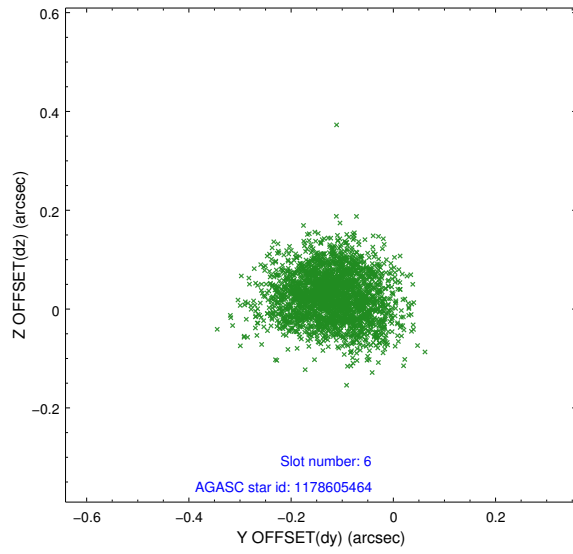
2.4.2 Slot 4



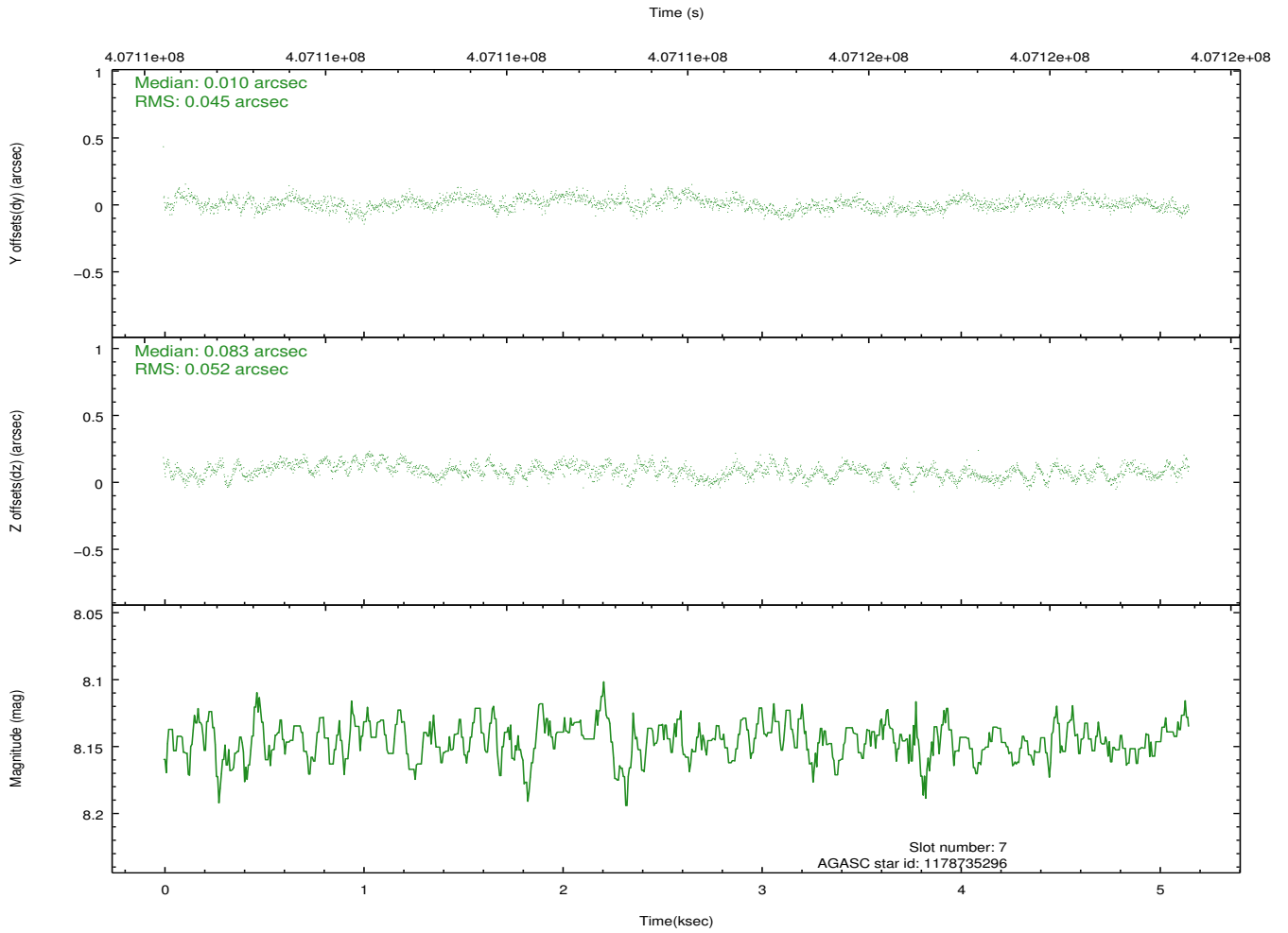
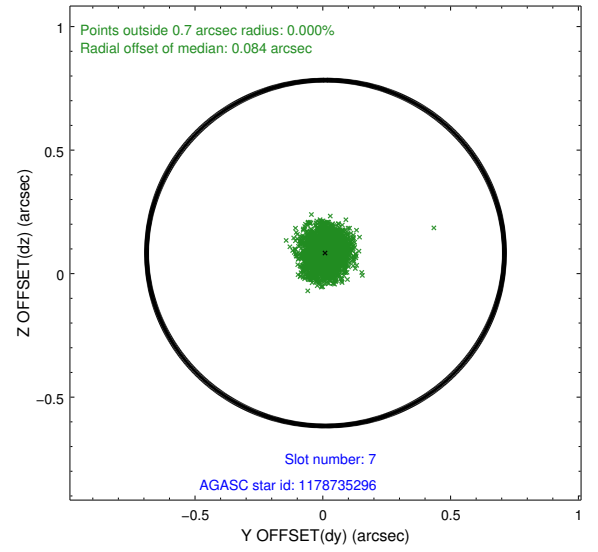
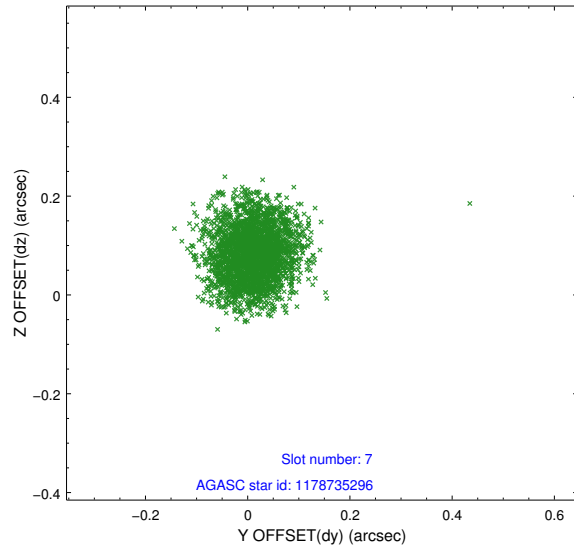
2.4.3 Slot 5



2.4.4 Slot 6

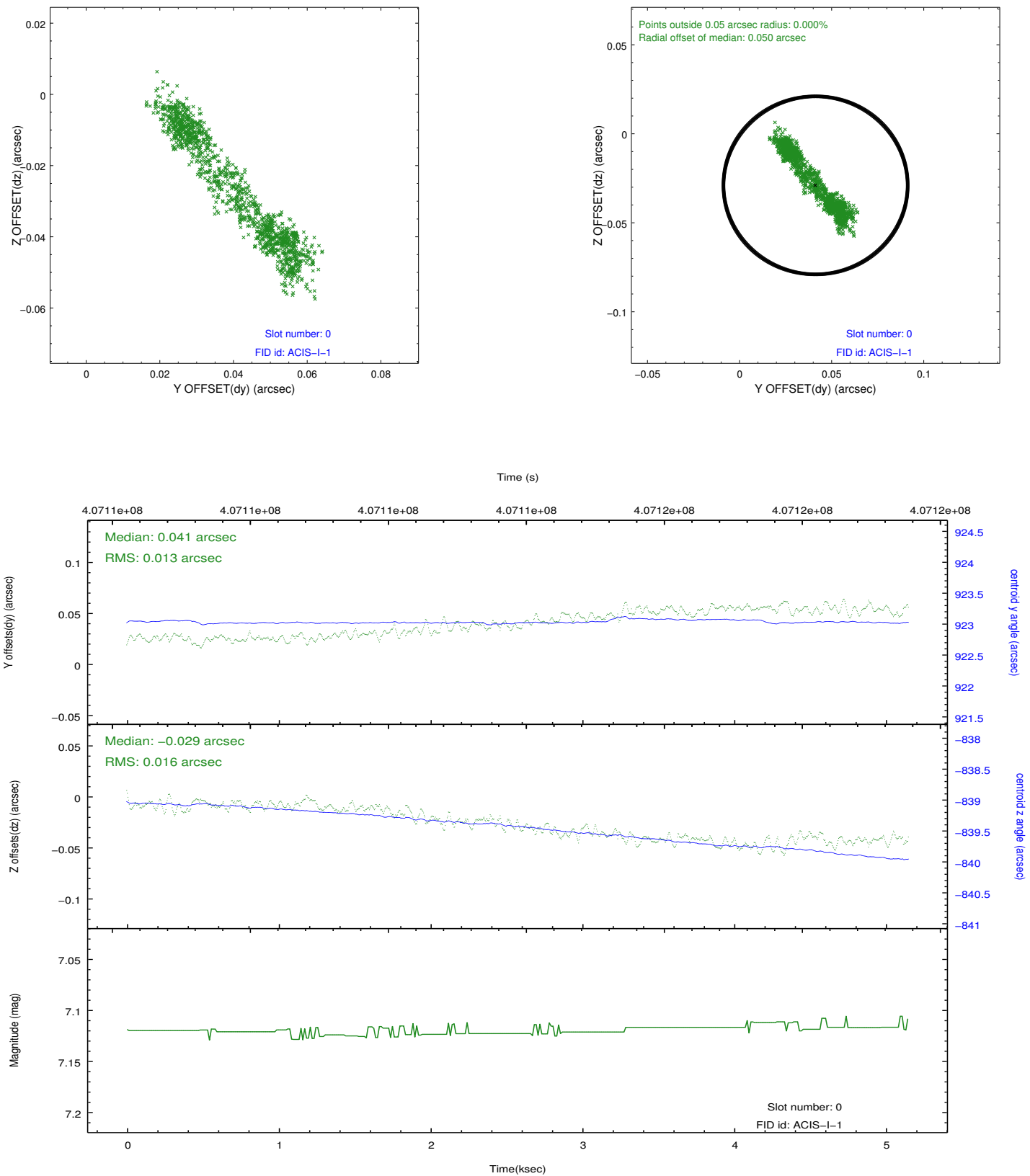


2.4.5 Slot 7

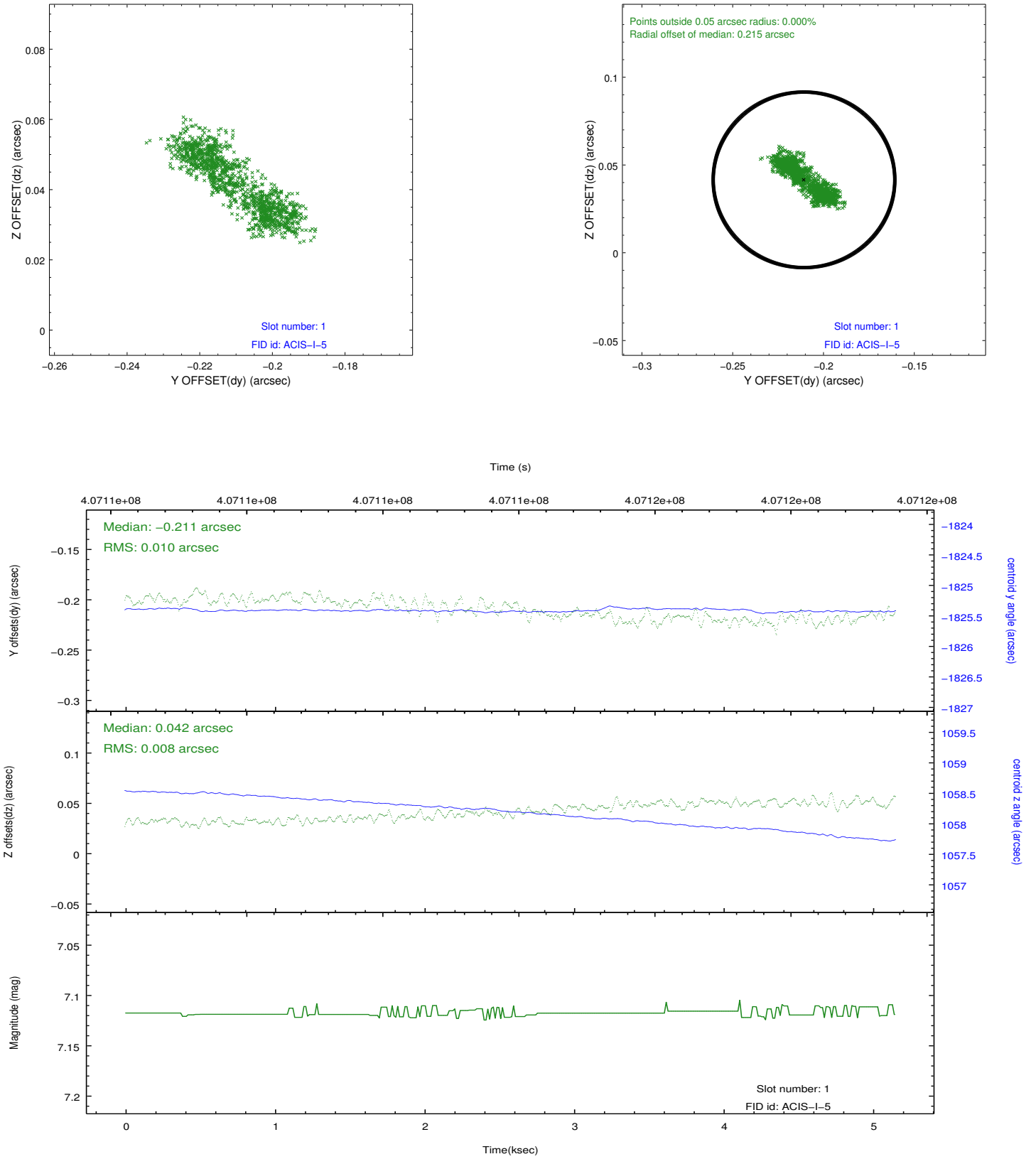


2.5 FID Slots

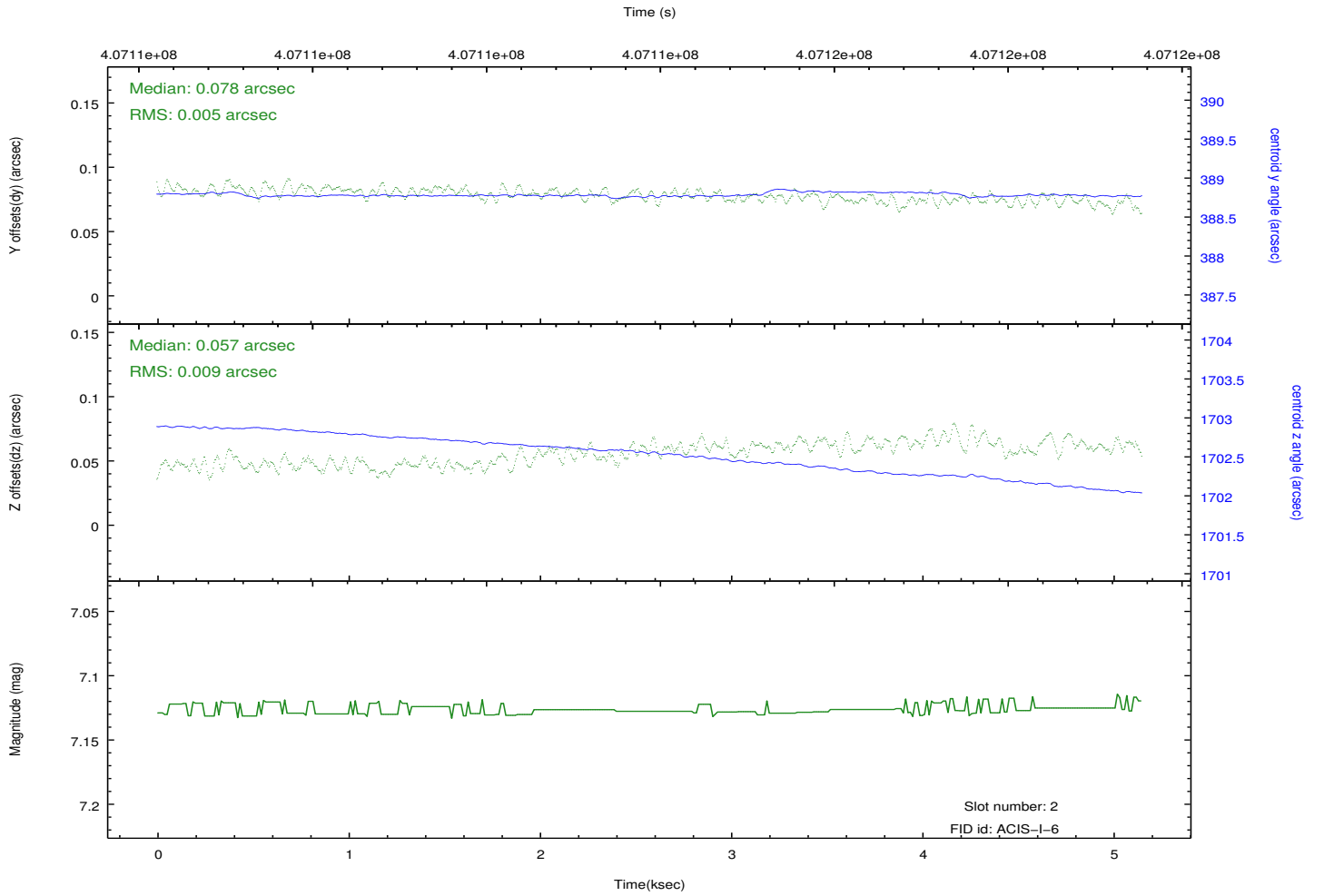
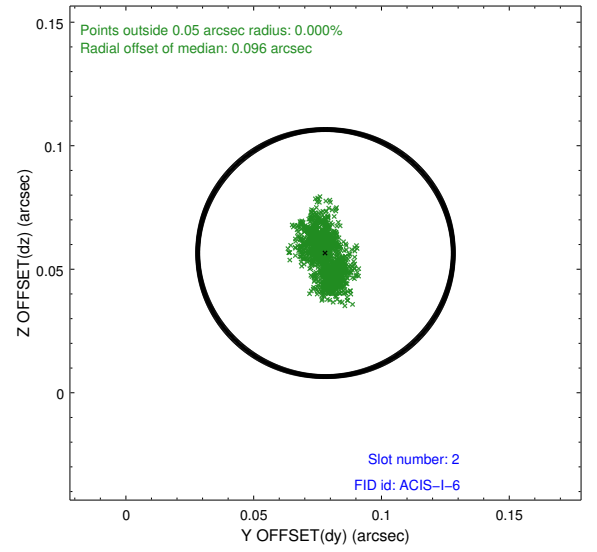
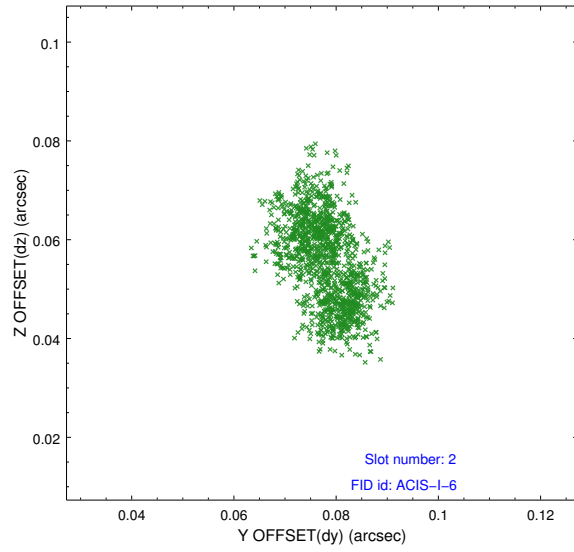
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0495999812484

A.2 Comments