

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11833 - L2 Version 2
Chandra X-Ray Center

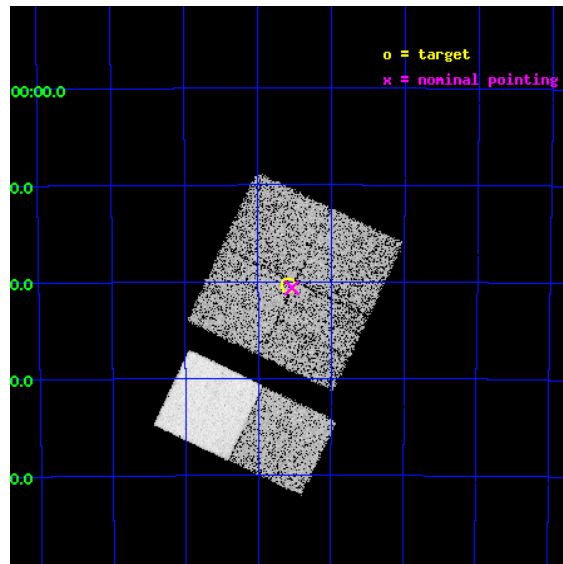
L2 Processing Date : Jun 15 2012

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1 Front

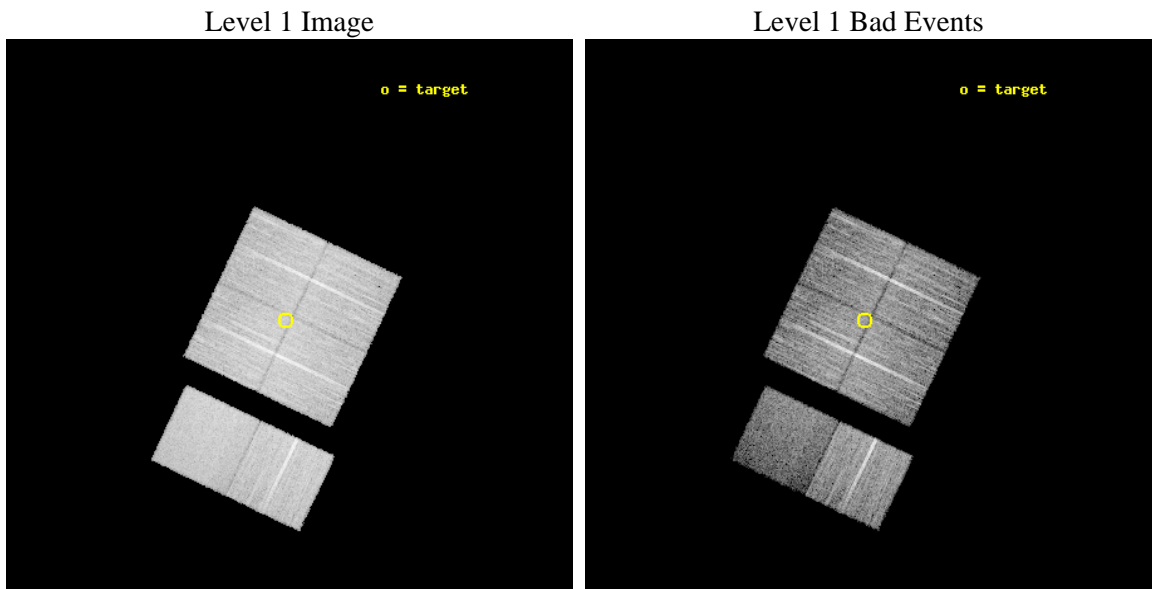
seq_num	501350	Sequence number
obs_id	11833	Observation id
title	Snap-shot survey of unidentified galactic GeV sources	Proposal tit
observer	Professor Gordon Garmire	Principal investigator
object	0FGL J1430.5-5918	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.645833	Observer's specified target RA [deg]
dec_targ	-59.338583	Observer's specified target Dec [deg]
ra_nom	217.63428394578	Nominal RA [deg]
dec_nom	-59.344088297349	Nominal Dec [deg]
roll_nom	205.42773884408	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10182.399962127	Sum of GTIs [s]
livetime	10053.464282702	Livetime [s]
ontime0	10179.158941805	Sum of GTIs [s]
ontime1	10179.158931792	Sum of GTIs [s]
ontime2	10175.917941391	Sum of GTIs [s]
ontime3	10182.399962127	Sum of GTIs [s]
ontime6	10182.399962127	Sum of GTIs [s]
ontime7	10182.399962127	Sum of GTIs [s]
l2events	73393	Number of level 2 events



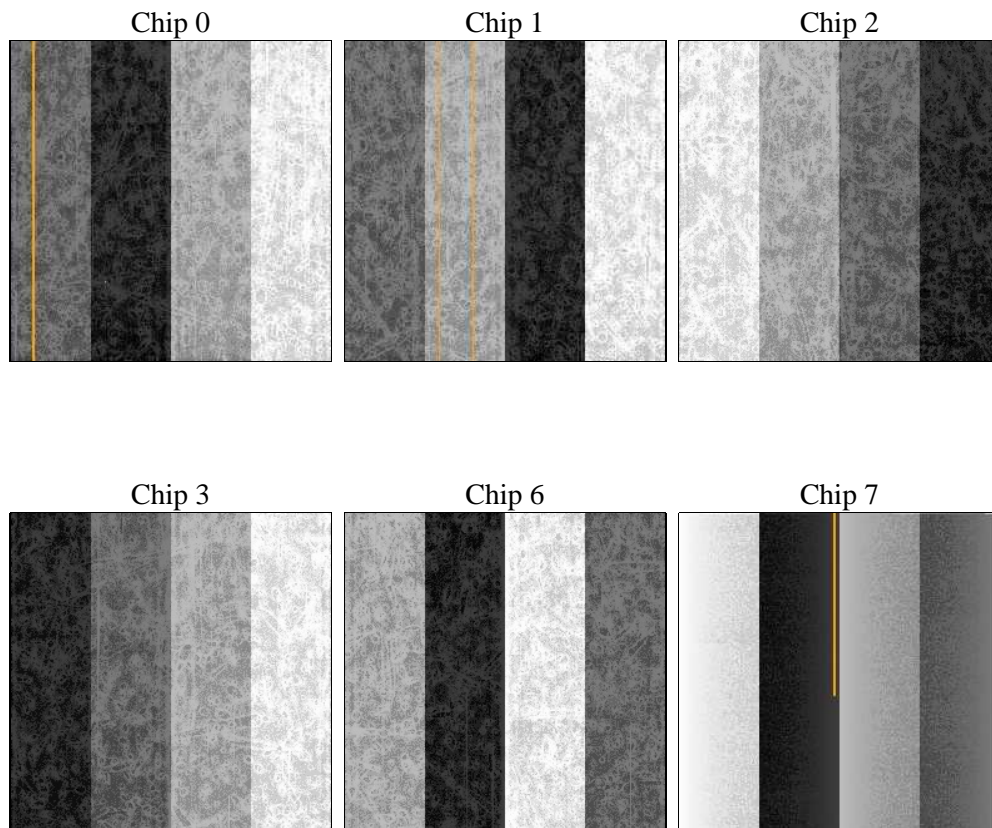
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.623000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10182.399962127	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	10179.158941805	Sum of GTIs [s]
date	2012-06-15T12:01:34	Date and time of file creation	ontime1	10179.158931792	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10175.917941391	Sum of GTIs [s]
			ontime3	10182.399962127	Sum of GTIs [s]
			ontime6	10182.399962127	Sum of GTIs [s]
			ontime7	10182.399962127	Sum of GTIs [s]
			l1events	503100	Number of level 1 events

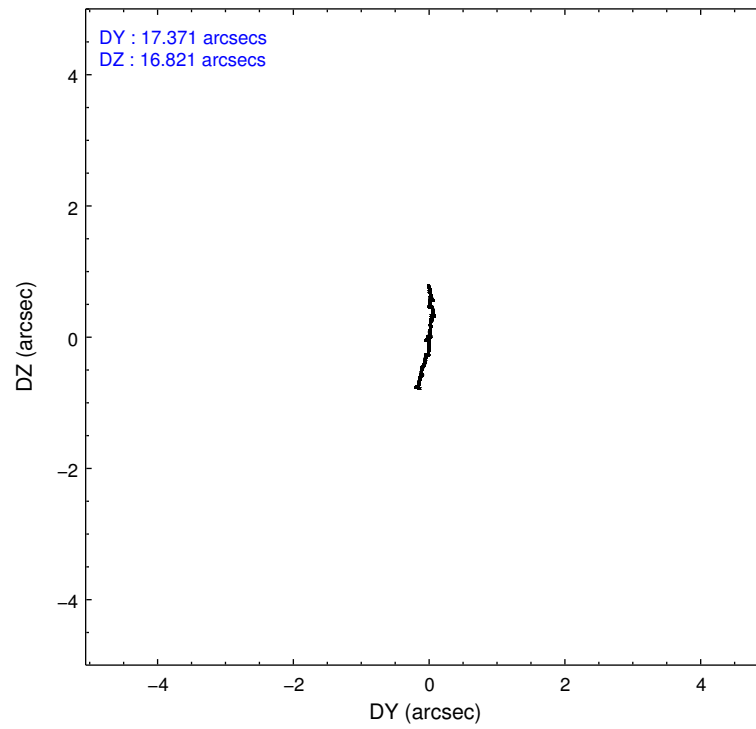
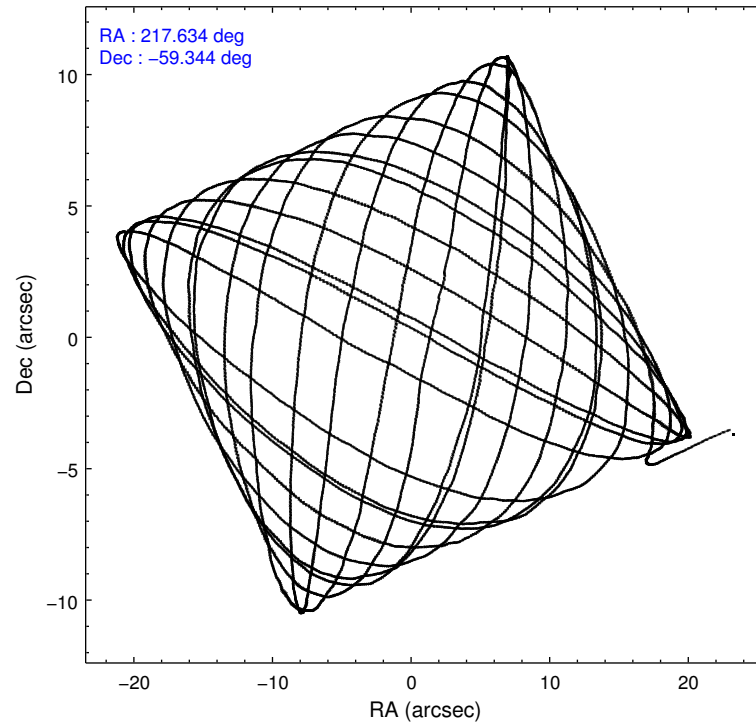
2.1.4 Events

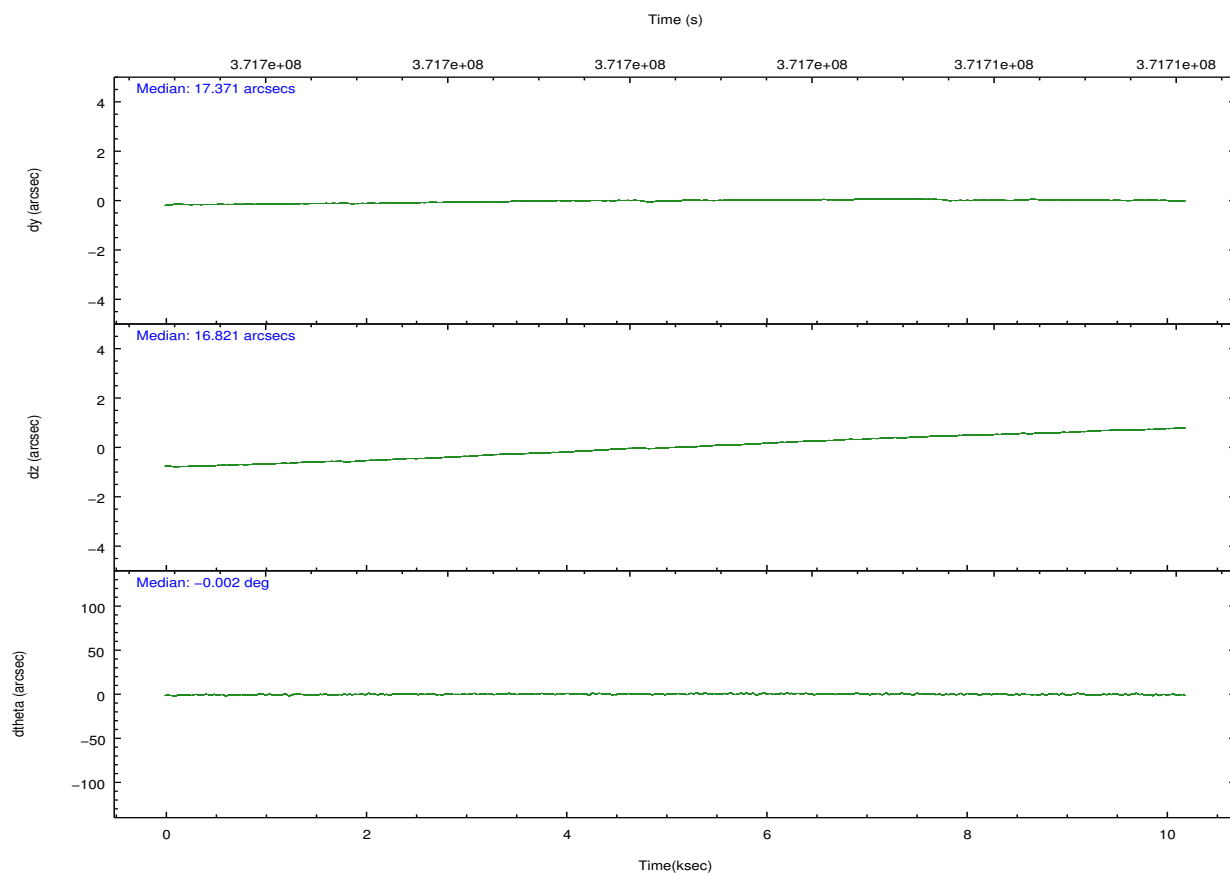
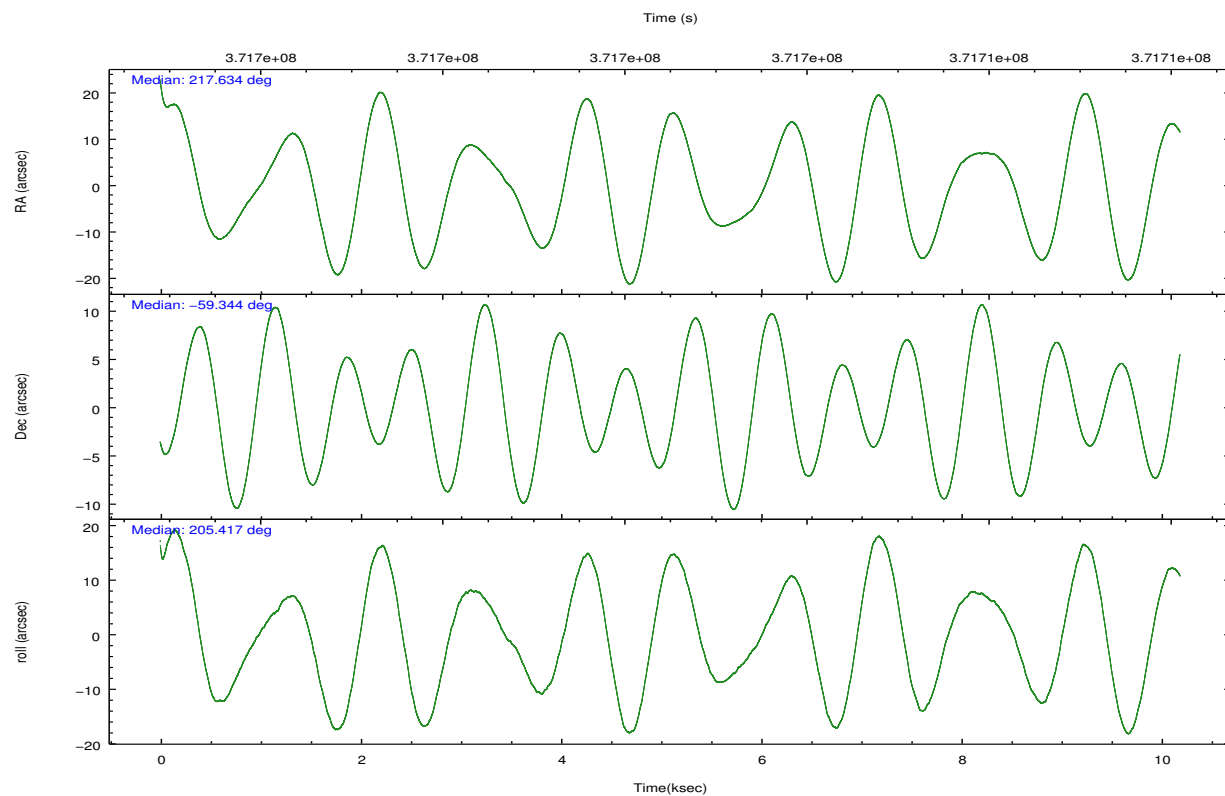
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	79505	78734	86807	86037	88310	83707	grade 0 events	3317	3142	3327	3092	3384	4269
rejected events	70976	70105	78726	78083	79287	43977		4%	3%	3%	3%	3%	5%
rejected %	89%	89%	90%	90%	89%	52%	grade 1 events	45	41	64	50	54	124
								0%	0%	0%	0%	0%	0%
							grade 2 events	2119	2031	1934	1774	2096	8770
								2%	2%	2%	2%	2%	10%
							grade 3 events	916	1016	841	900	984	3769
								1%	1%	0%	1%	1%	4%
							grade 4 events	897	982	878	878	988	3796
								1%	1%	1%	1%	1%	4%
							grade 5 events	2591	3002	2316	3064	3026	9021
								3%	3%	2%	3%	3%	10%
							grade 6 events	1576	1794	1391	1596	1884	20612
								1%	2%	1%	1%	2%	24%
							grade 7 events	68044	66726	76056	74683	75894	33346
								85%	84%	87%	86%	85%	39%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	217.664588	217.6342839457806	CCD I2 on	Y	Y
[deg] Pointing Dec	-59.321355	-59.3440882973488	CCD I3 on	Y	Y
[deg] Pointing Roll	205.245129	205.4277388440785	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	371697582.184000	371696322.60893	CCD S5 on	N	N
Observation start date	2009-10-12T01:18:36	2009-10-12T00:58:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	371707583.184000	371707820.03451	On-chip summing requested	N	N
Observation end date	2009-10-12T04:05:17	2009-10-12T04:10:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



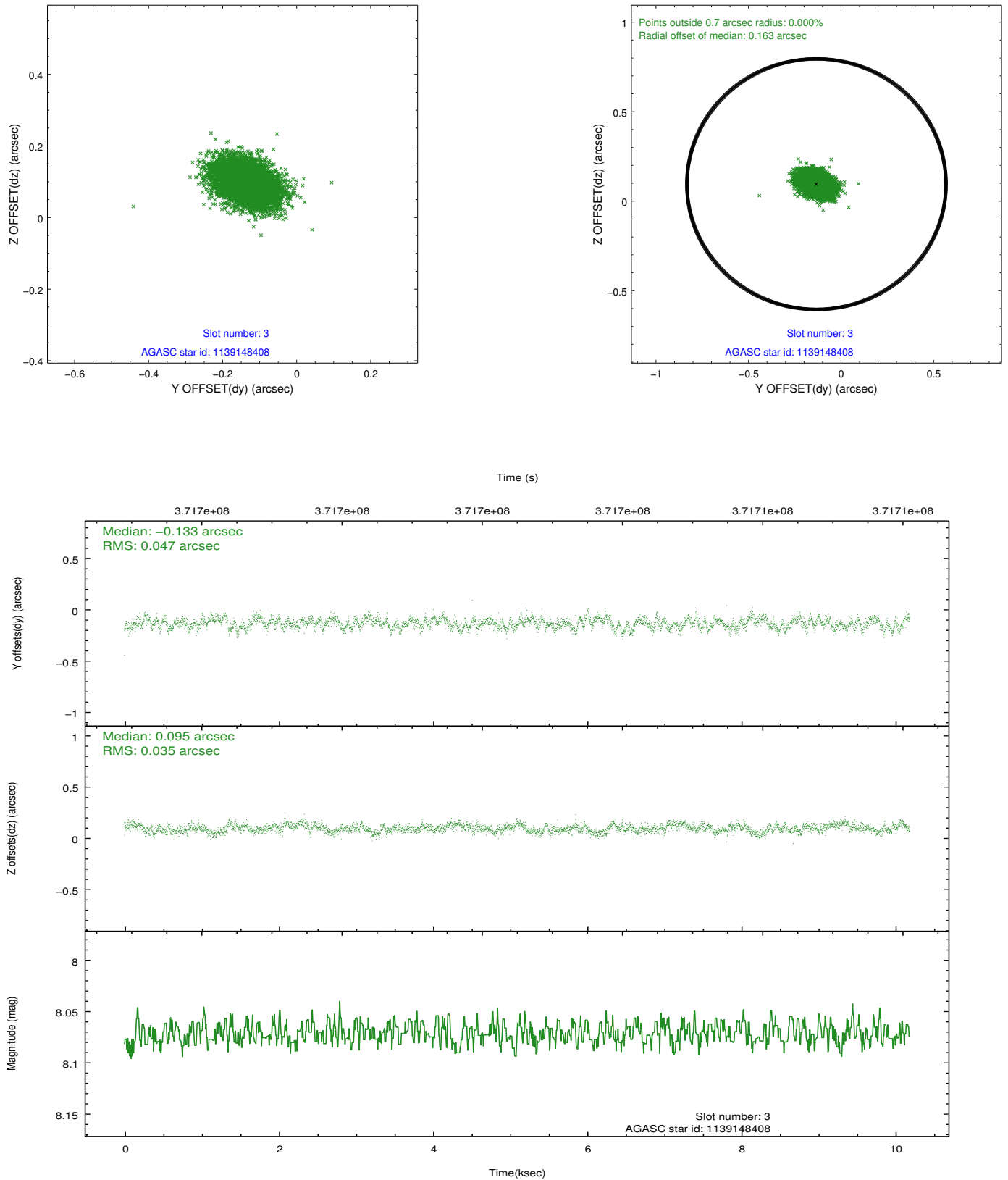


Slot Statistics

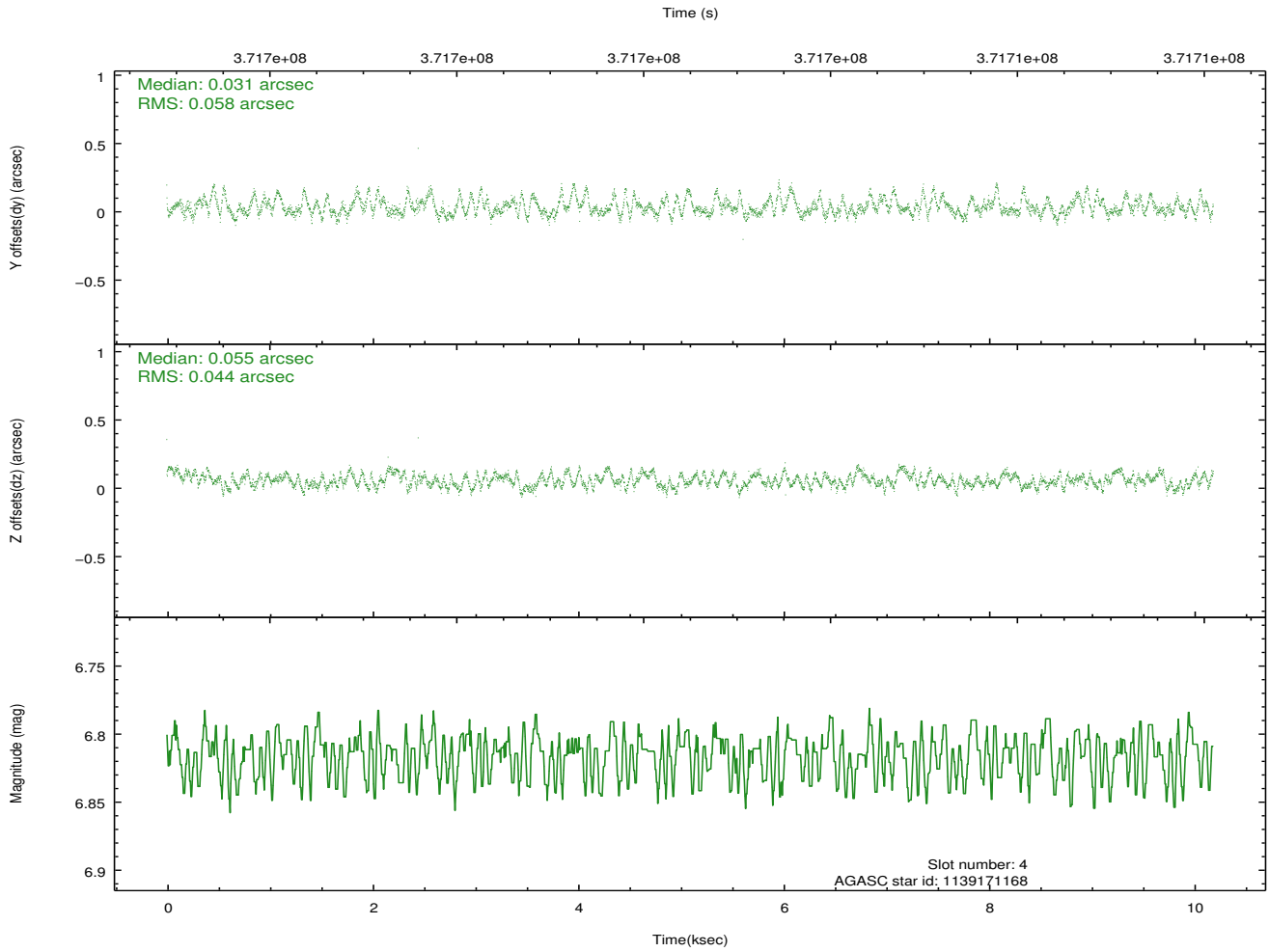
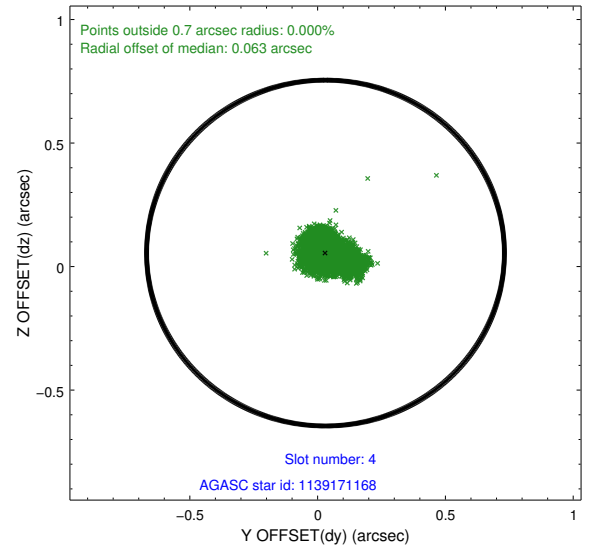
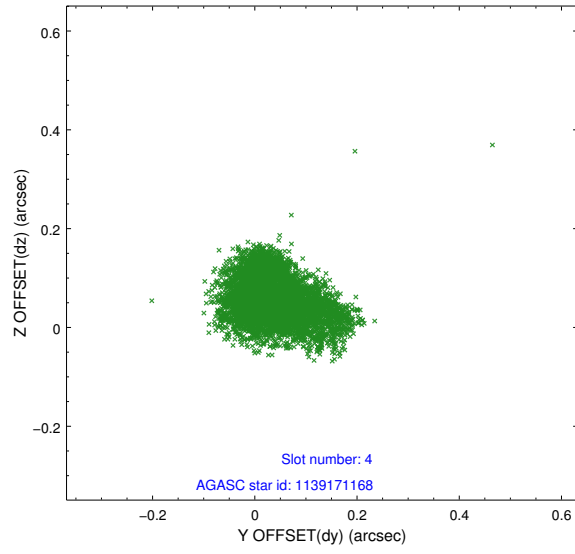
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	2485	0.055	-0.024	0.013	0.027	0.000000	0.000000	922.10	-840.49
1	FID	ACIS-I-5	7.03	2486	-0.219	0.057	0.008	0.013	0.000000	0.000000	-1825.98	1056.83
2	FID	ACIS-I-6	7.06	2485	0.073	0.038	0.017	0.028	0.000000	0.000000	387.11	1701.89
3	GUIDE	1139148408	8.07	4971	-0.133	0.095	0.062	0.102	218.989020	-59.468333	-1954.89	1533.17
4	GUIDE	1139171168	6.81	4971	0.031	0.055	0.076	0.129	217.181237	-59.197549	617.44	-779.69
5	GUIDE	1139171368	9.24	4962	0.064	-0.078	0.113	0.181	218.581220	-59.799114	-762.89	2273.61
6	GUIDE	1139031104	8.82	4966	0.059	-0.081	0.101	0.163	216.112946	-59.031956	2170.16	-2137.12
7	GUIDE	1139171184	7.85	4962	-0.027	0.005	0.061	0.100	218.666375	-59.784558	-924.26	2294.13

2.4 Star Slots

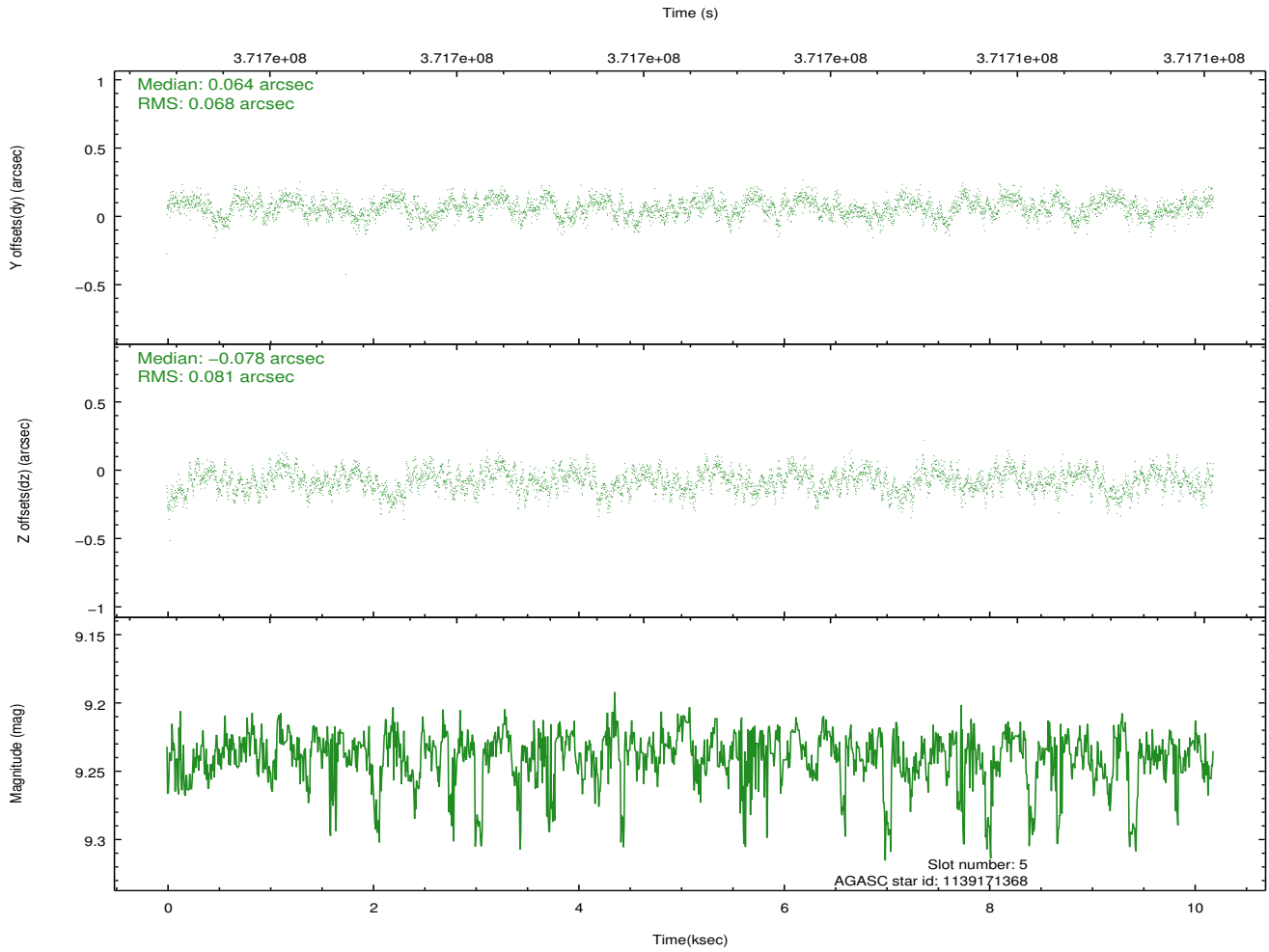
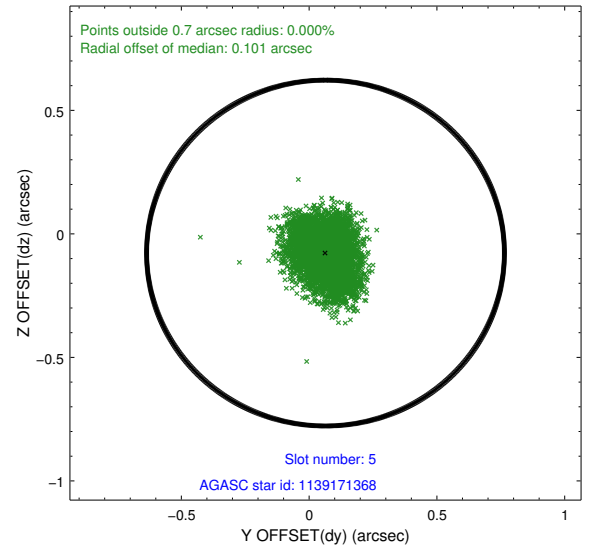
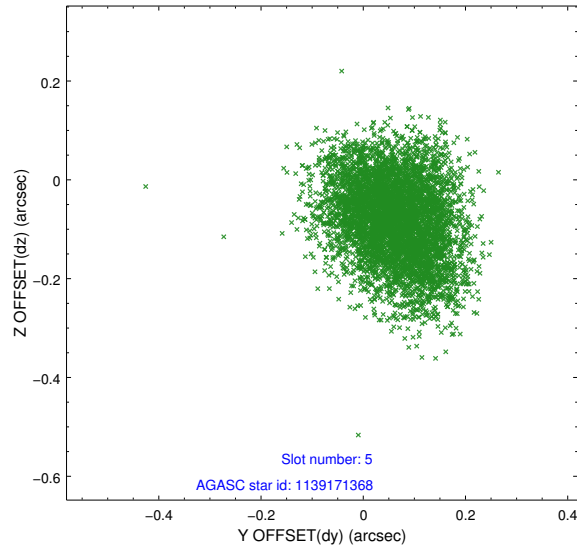
2.4.1 Slot 3



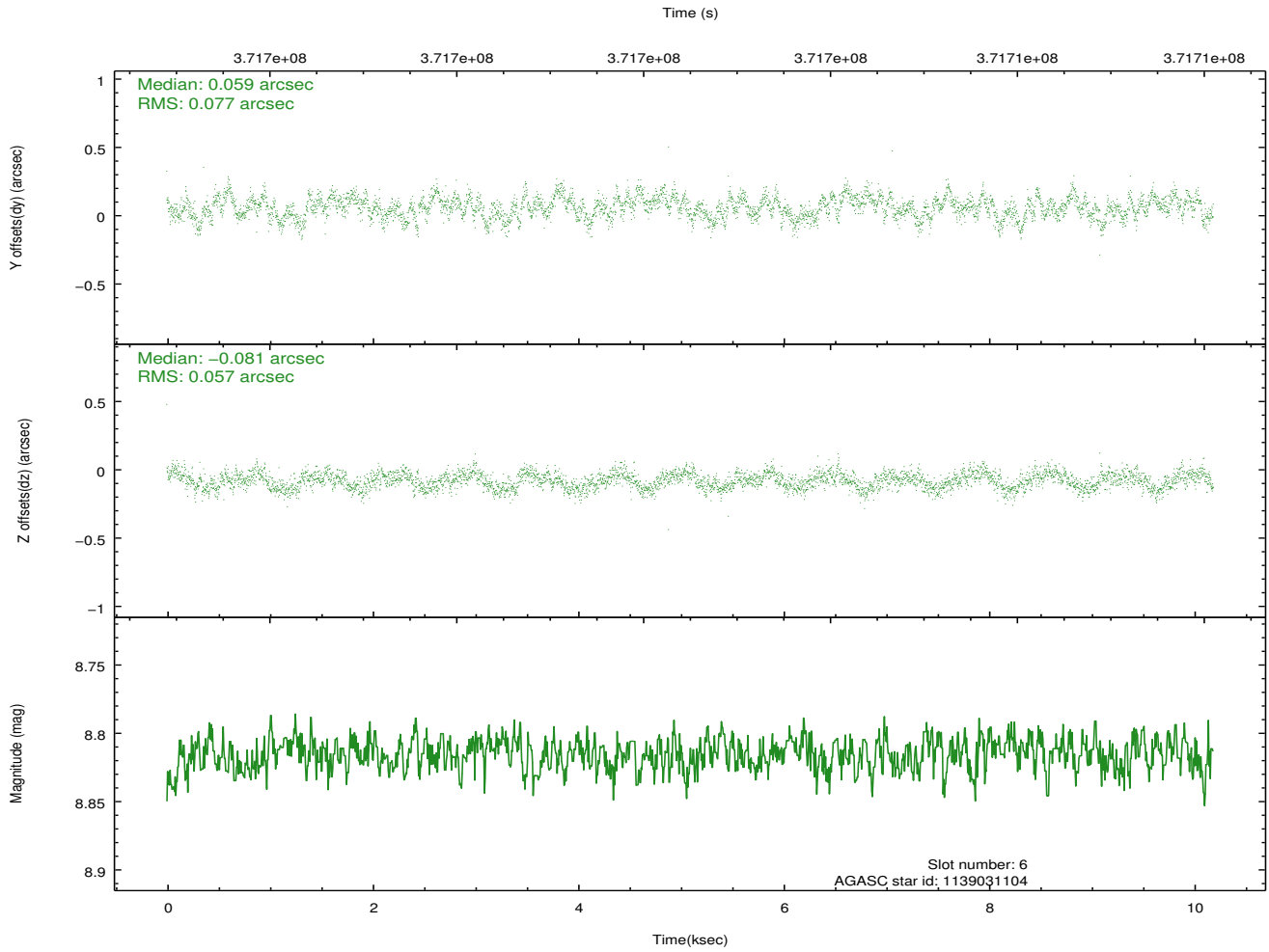
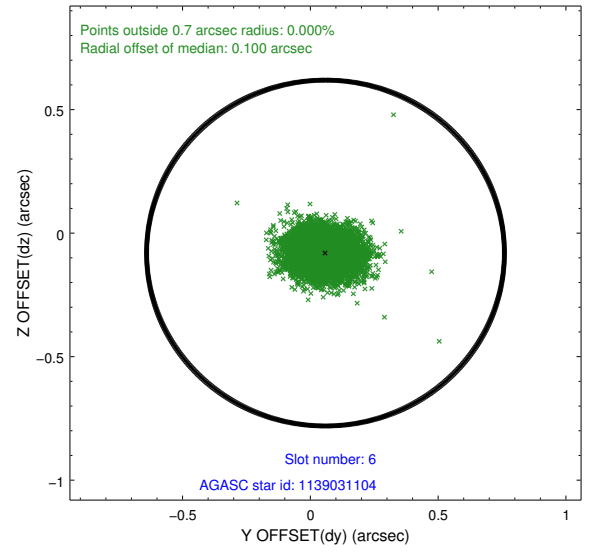
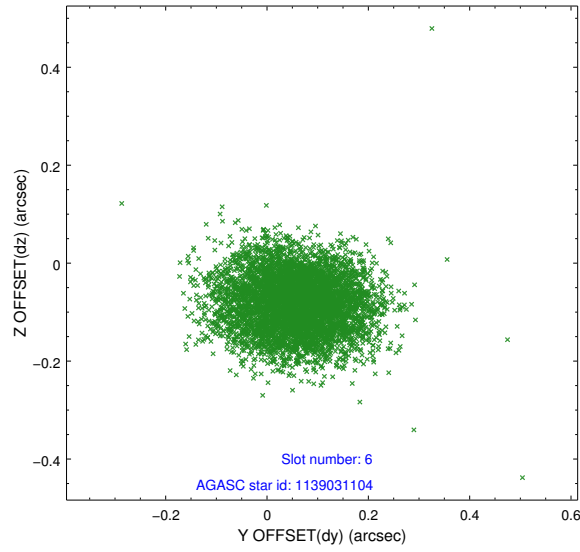
2.4.2 Slot 4



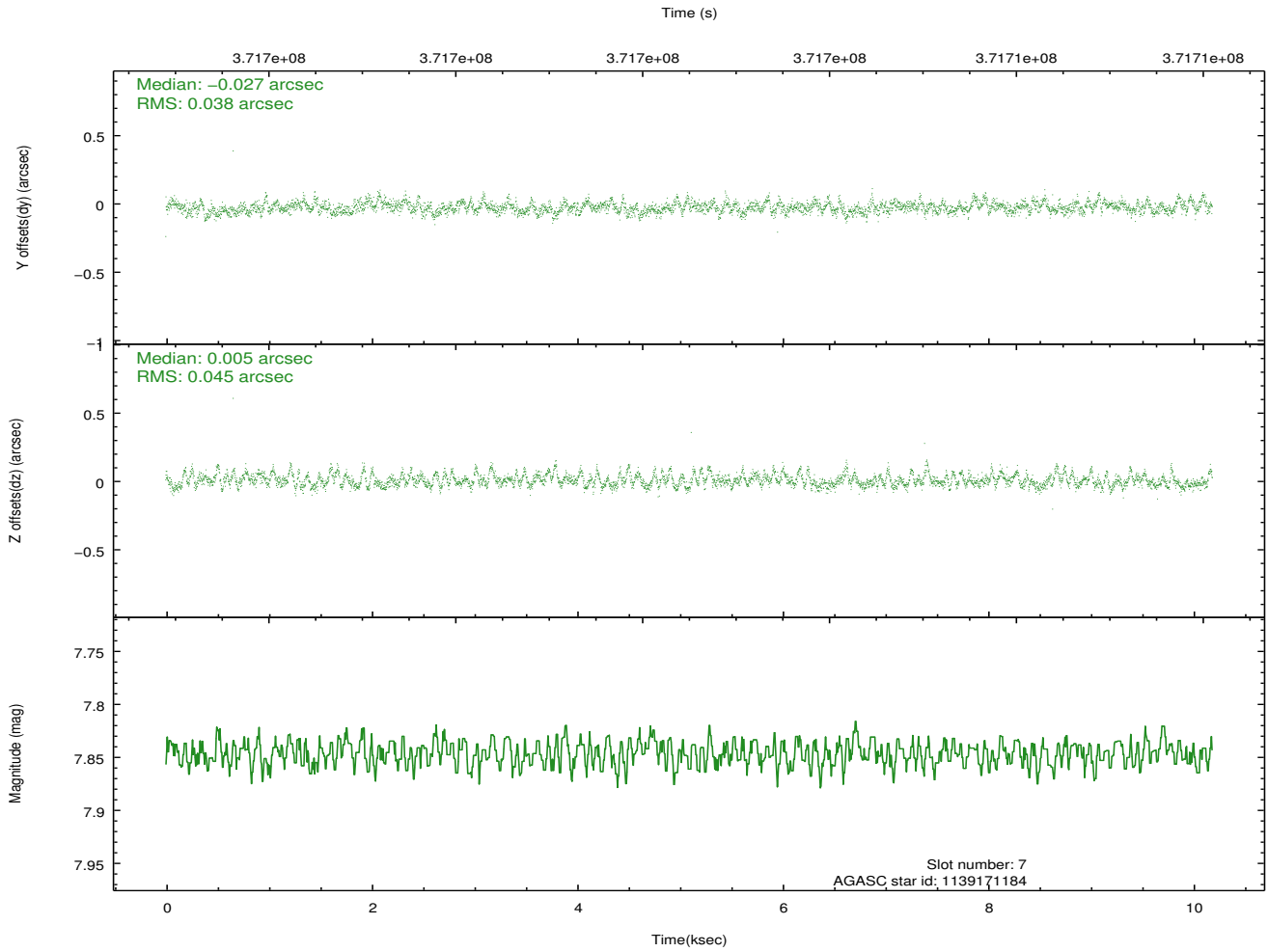
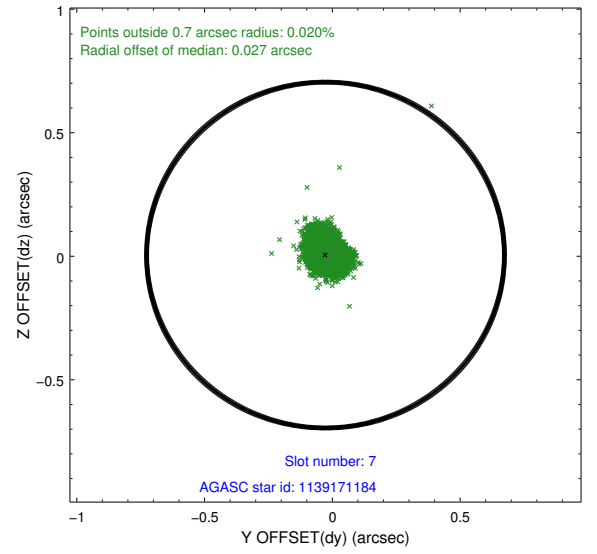
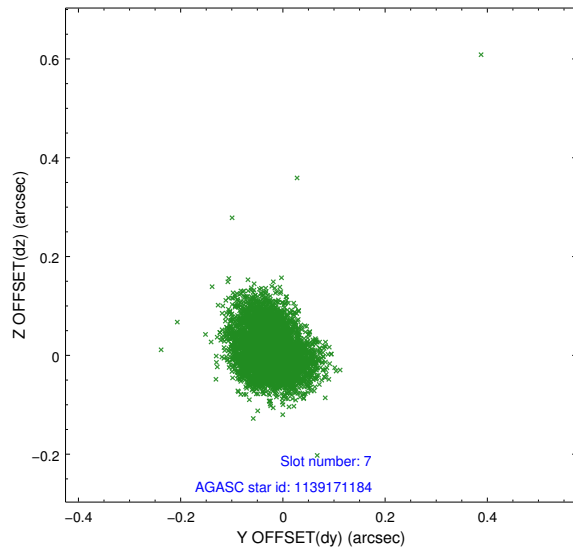
2.4.3 Slot 5



2.4.4 Slot 6

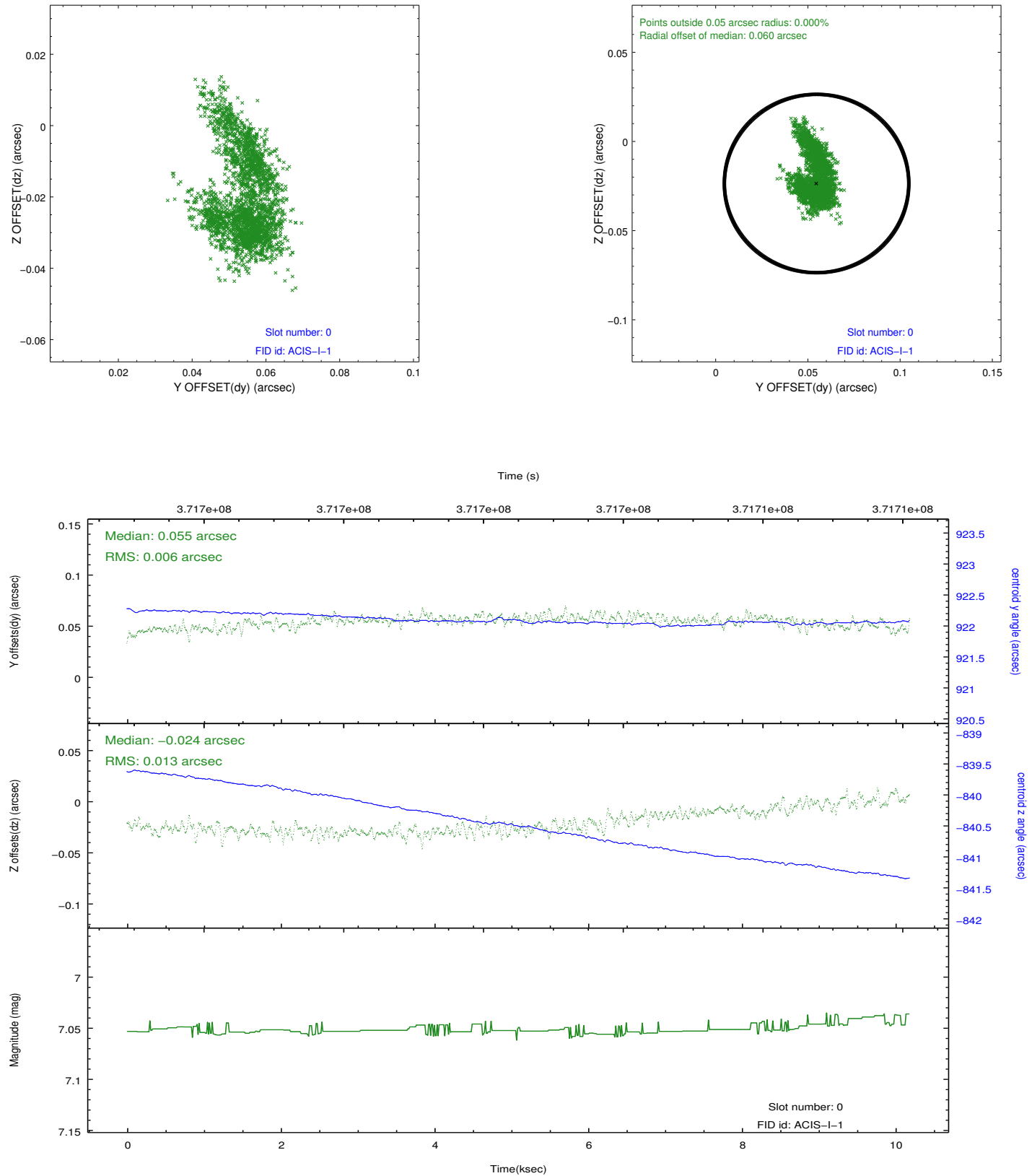


2.4.5 Slot 7

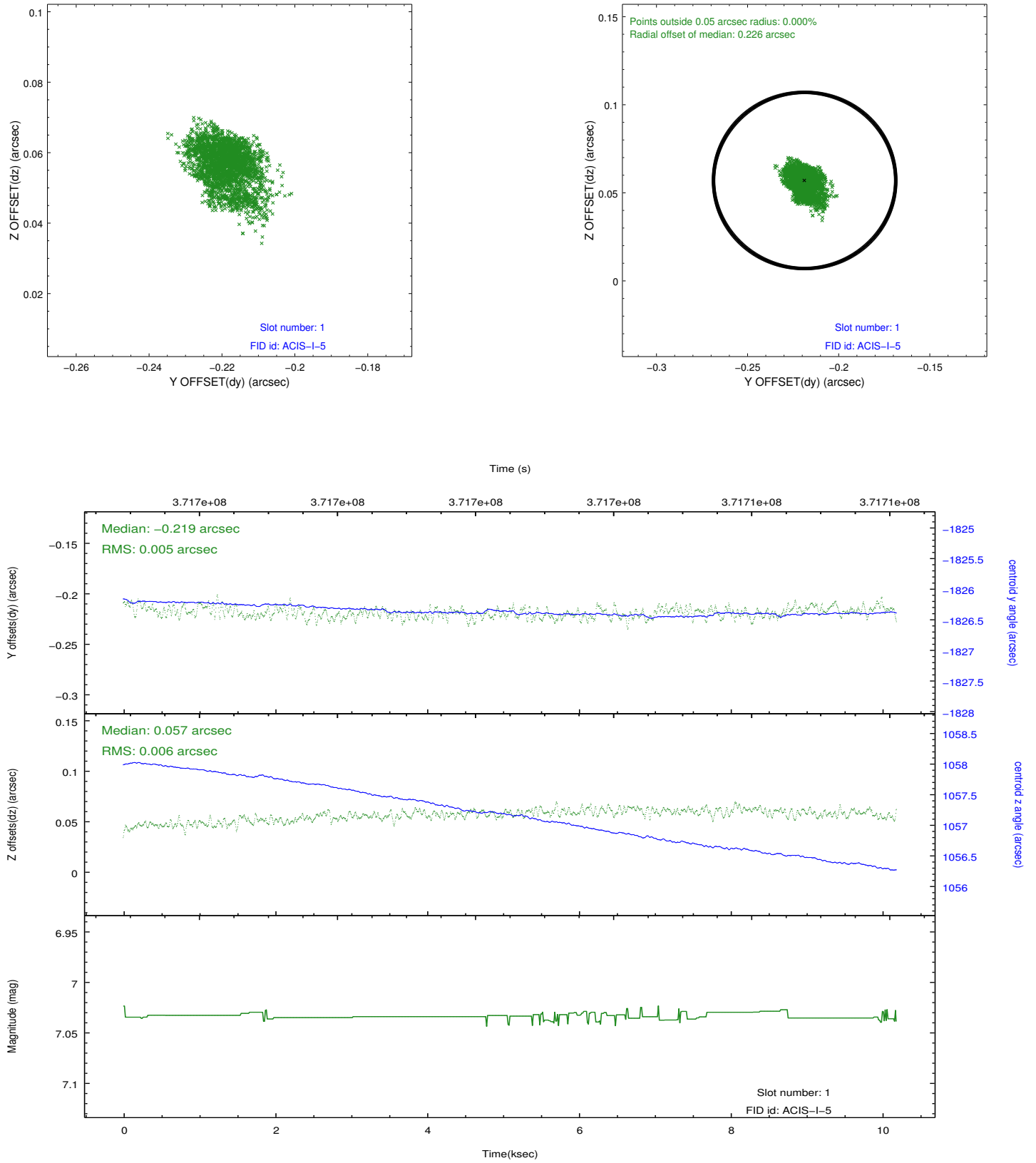


2.5 FID Slots

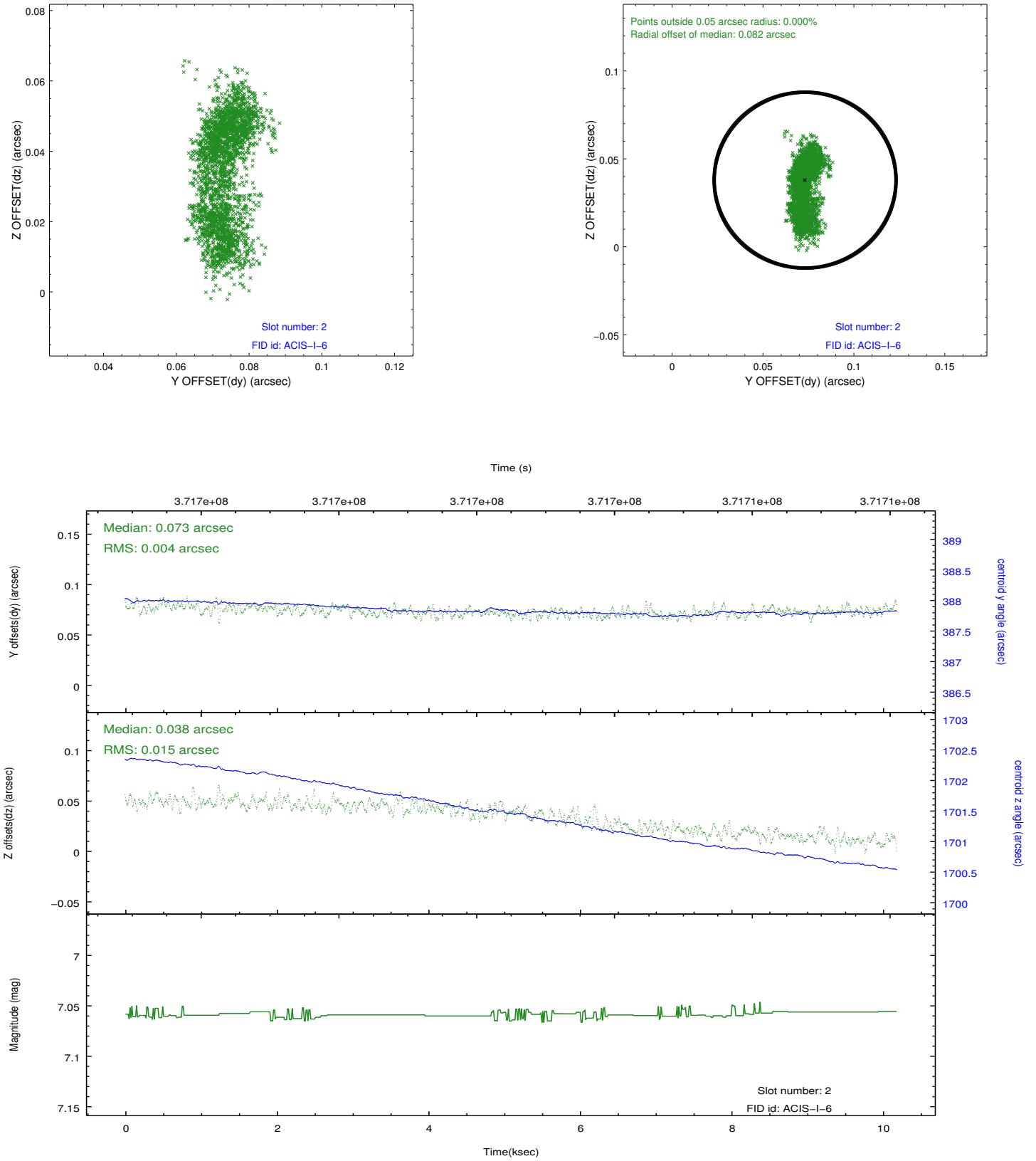
2.5.1 Slot 0



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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.182399962127

A.2 Comments