

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10533 - L2 Version 2
Chandra X-Ray Center

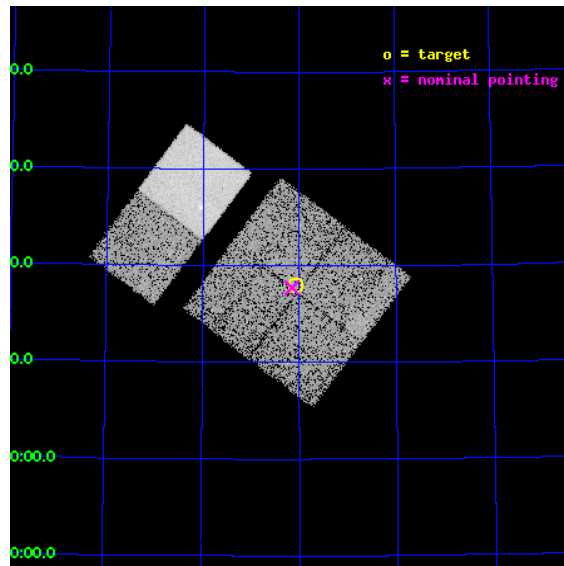
L2 Processing Date : Jun 6 2012

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1 Front

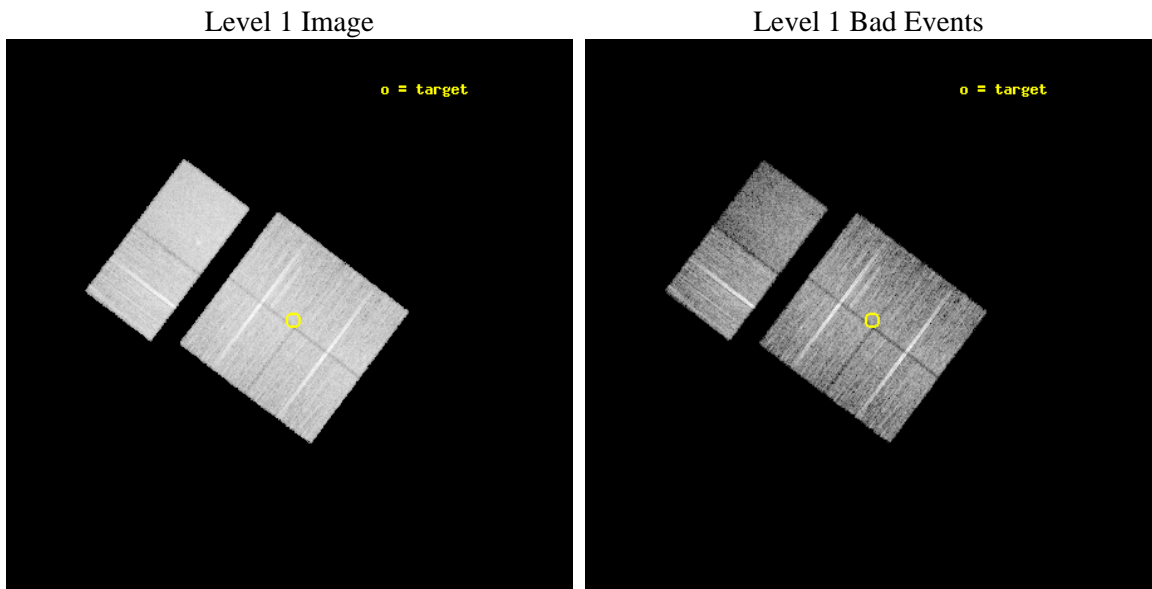
seq_num	600726	Sequence number
obs_id	10533	Observation id
title	The Baryons Content of the Most Massive Spiral Galaxy	Proposal tit
observer	Dr. Joel Bregman	Principal investigator
object	NGC 1961	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	85.519128	Observer's specified target RA [deg]
dec_targ	70.3	Observer's specified target Dec [deg]
ra_nom	85.538602299003	Nominal RA [deg]
dec_nom	70.295275644028	Nominal Dec [deg]
roll_nom	307.01424985805	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10021.787996233	Sum of GTIs [s]
livetime	9894.886082228	Livetime [s]
ontime0	10021.664925992	Sum of GTIs [s]
ontime1	10021.70592618	Sum of GTIs [s]
ontime2	10021.746956229	Sum of GTIs [s]
ontime3	10021.787996233	Sum of GTIs [s]
ontime6	10021.870096147	Sum of GTIs [s]
ontime7	10025.070036411	Sum of GTIs [s]
l2events	81762	Number of level 2 events



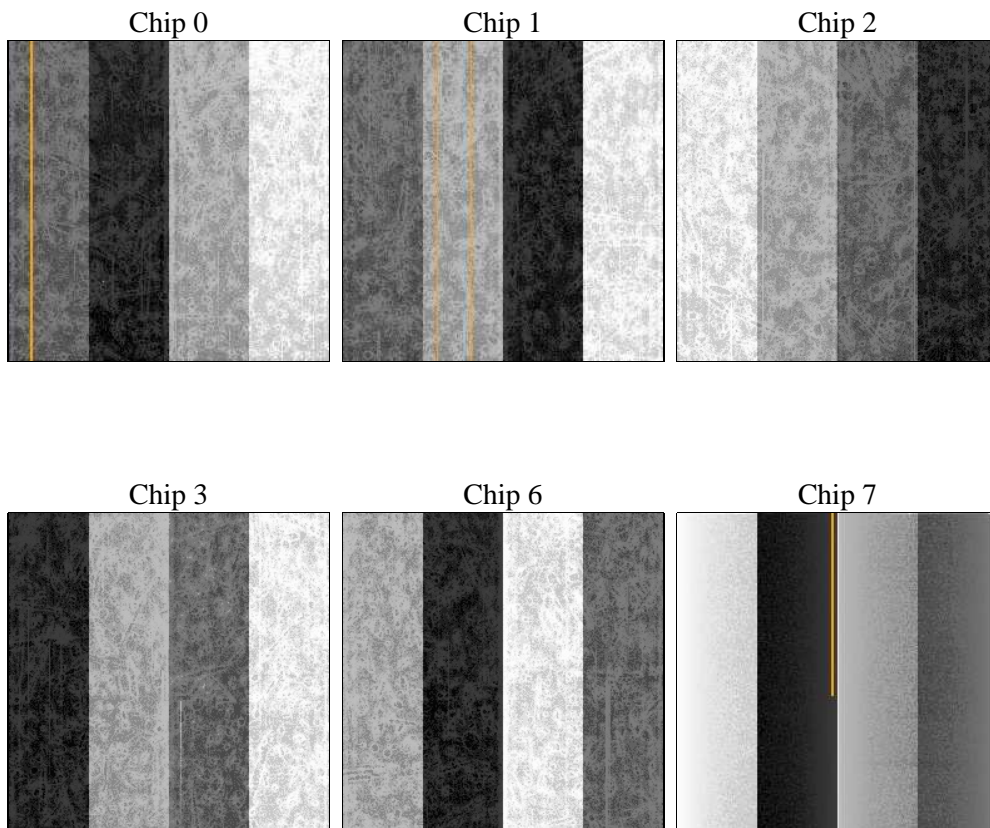
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9983.682000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10021.787996233	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	10021.664925992	Sum of GTIs [s]
date	2012-06-06T04:49:05	Date and time of file creation	ontime1	10021.70592618	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10021.746956229	Sum of GTIs [s]
			ontime3	10021.787996233	Sum of GTIs [s]
			ontime6	10021.870096147	Sum of GTIs [s]
			ontime7	10025.070036411	Sum of GTIs [s]
			l1events	521986	Number of level 1 events

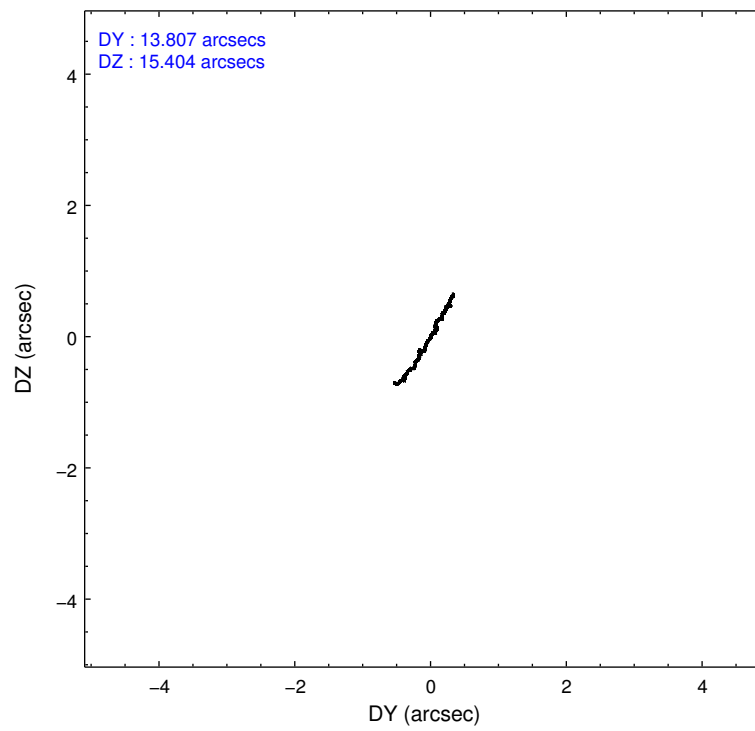
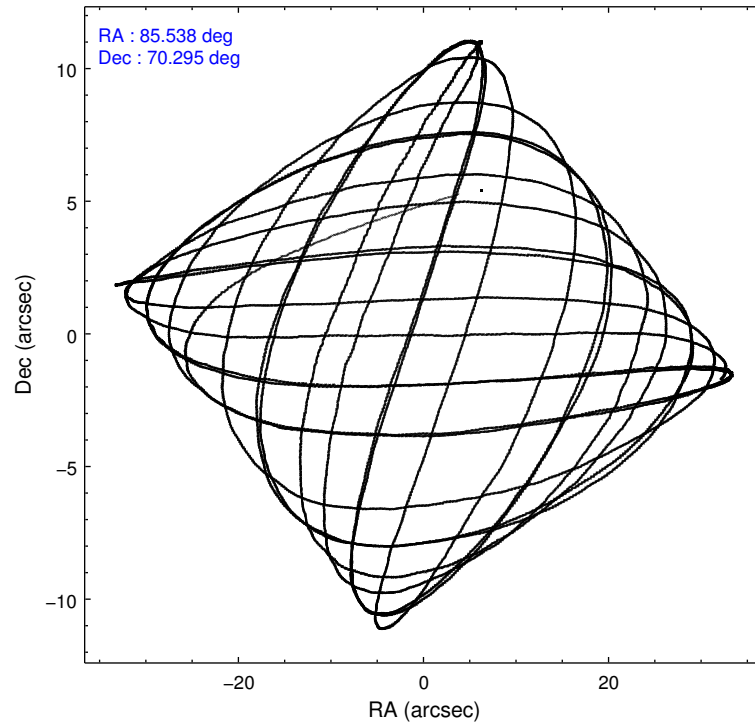
2.1.4 Events

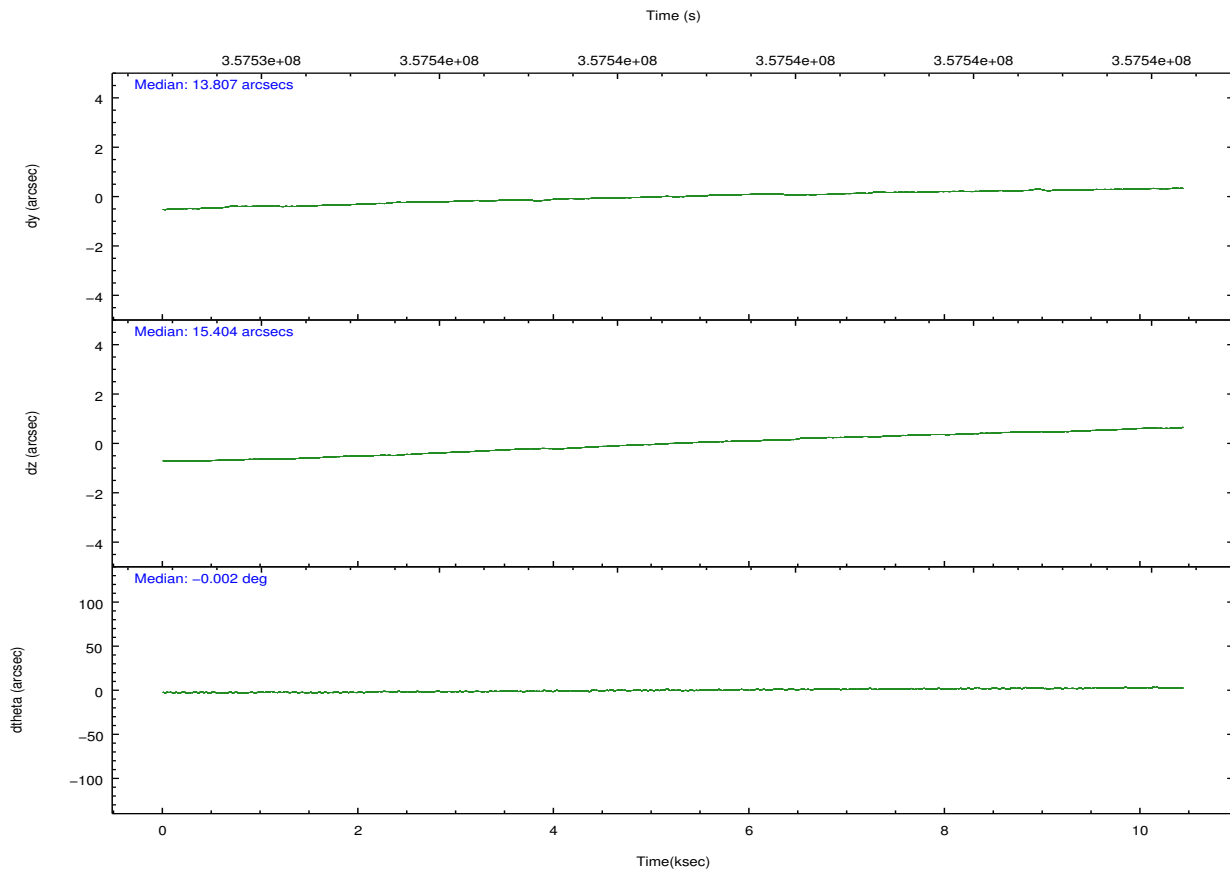
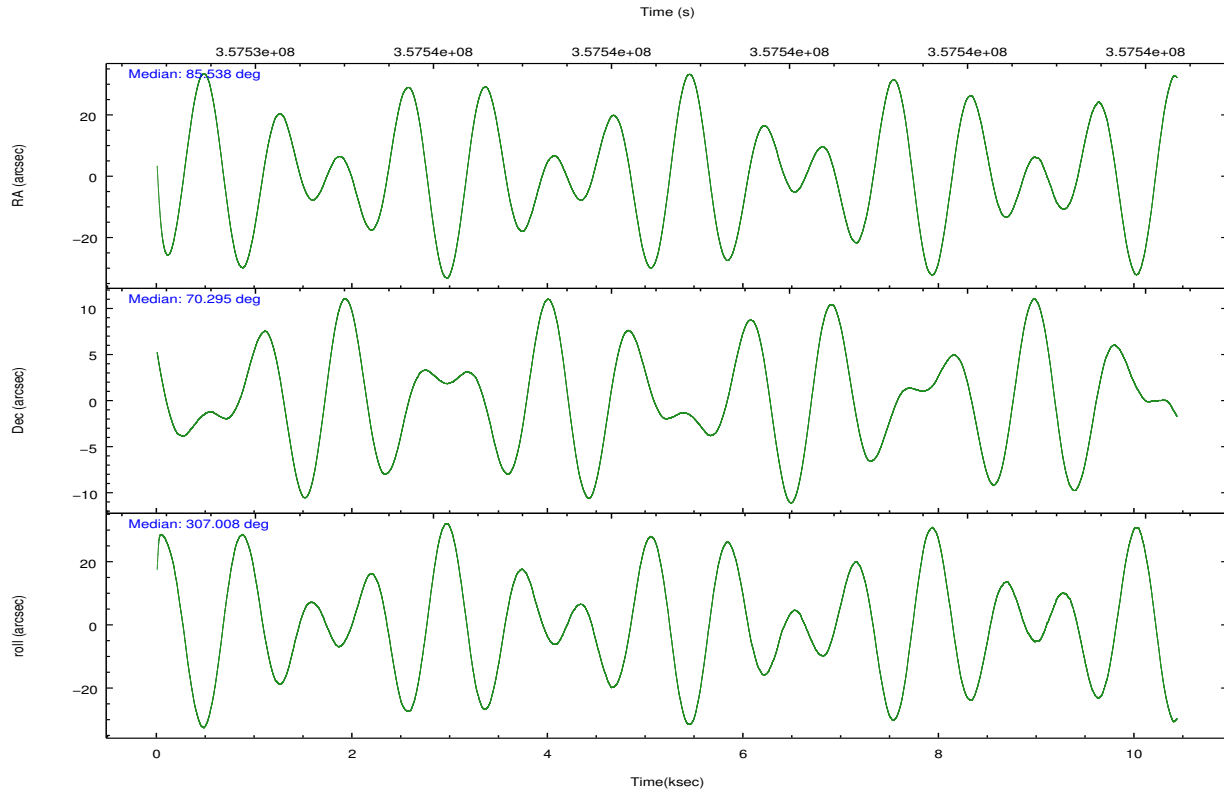
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	79494	79723	87974	84310	91260	99225	grade 0 events	3097	3596	3025	2821	3258	4359
rejected events	70707	69781	79279	76033	82018	53526		3%	4%	3%	3%	3%	4%
rejected %	88%	87%	90%	90%	89%	53%	grade 1 events	60	50	62	50	41	132
								0%	0%	0%	0%	0%	0%
							grade 2 events	2178	2186	2134	1907	2126	9564
								2%	2%	2%	2%	2%	9%
							grade 3 events	979	1042	969	974	963	4232
								1%	1%	1%	1%	1%	4%
							grade 4 events	877	1062	871	898	933	4141
								1%	1%	0%	1%	1%	4%
							grade 5 events	3113	3429	2982	3620	3786	10504
								3%	4%	3%	4%	4%	10%
							grade 6 events	1660	2061	1701	1682	1966	23438
								2%	2%	1%	1%	2%	23%
							grade 7 events	67530	66297	76230	72358	78187	42855
								84%	83%	86%	85%	85%	43%

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	85.463353	85.53860229900302	CCD I2 on	Y	Y
[deg] Pointing Dec	70.305915	70.2952756440278	CCD I3 on	Y	Y
[deg] Pointing Roll	306.876388	307.0142498580514	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	-233.5874344608287	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	357533865.184000	357532724.30031	CCD S5 on	N	N
Observation start date	2009-05-01T02:56:39	2009-05-01T02:38:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	357543849.184000	357544085.40087	On-chip summing requested	N	N
Observation end date	2009-05-01T05:43:03	2009-05-01T05:48:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



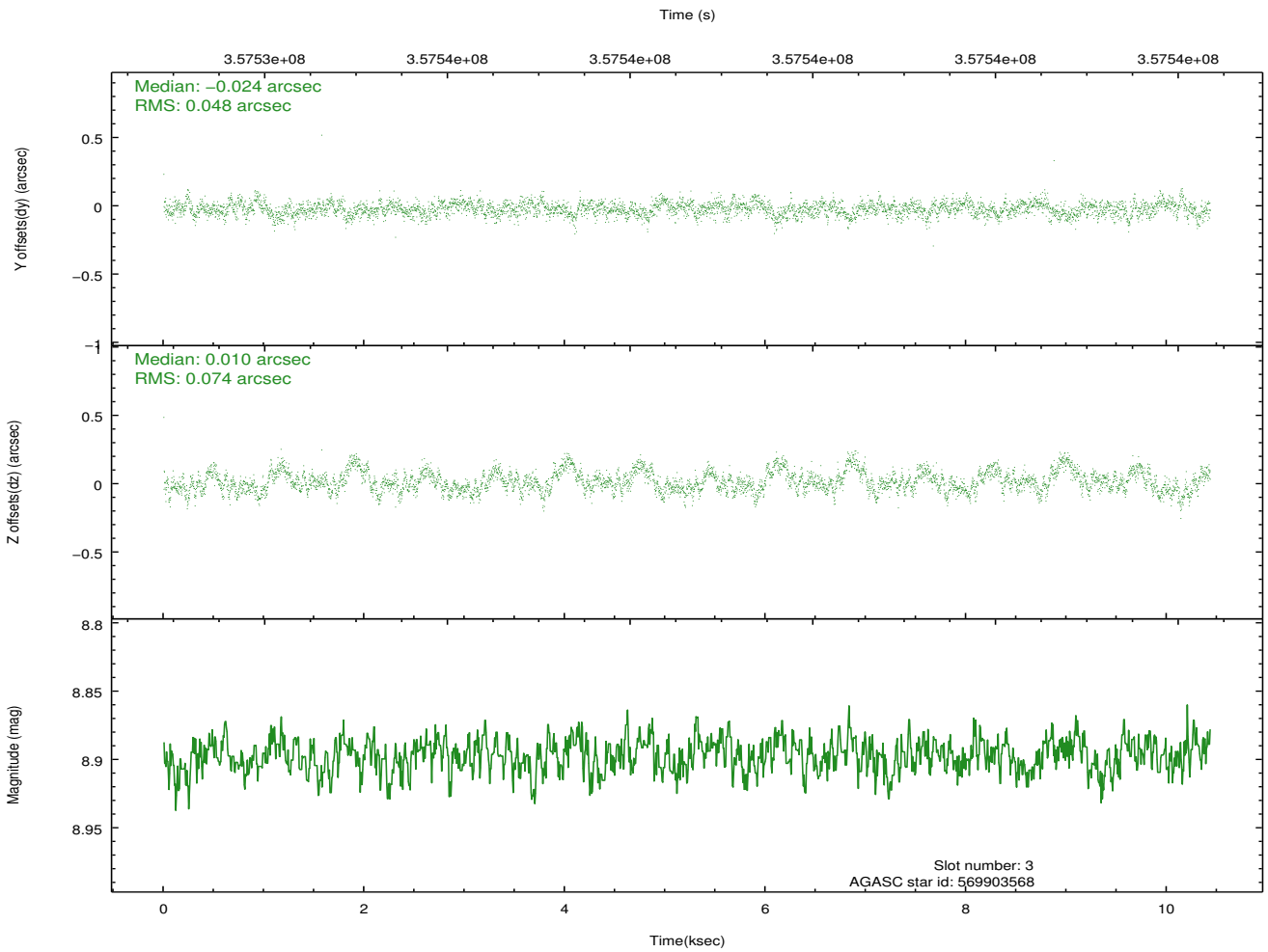
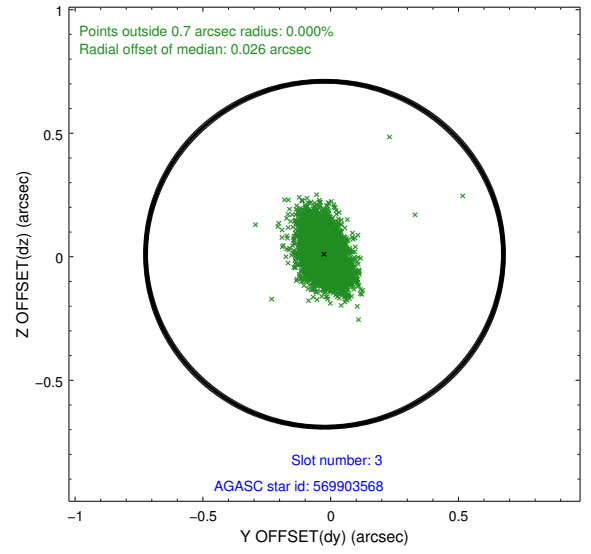
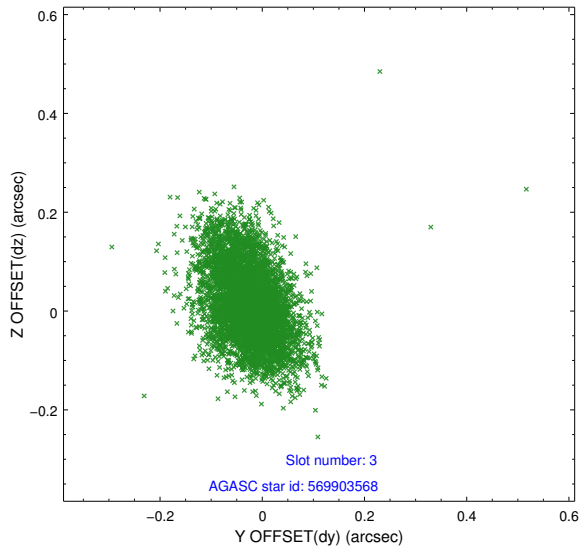


Slot Statistics

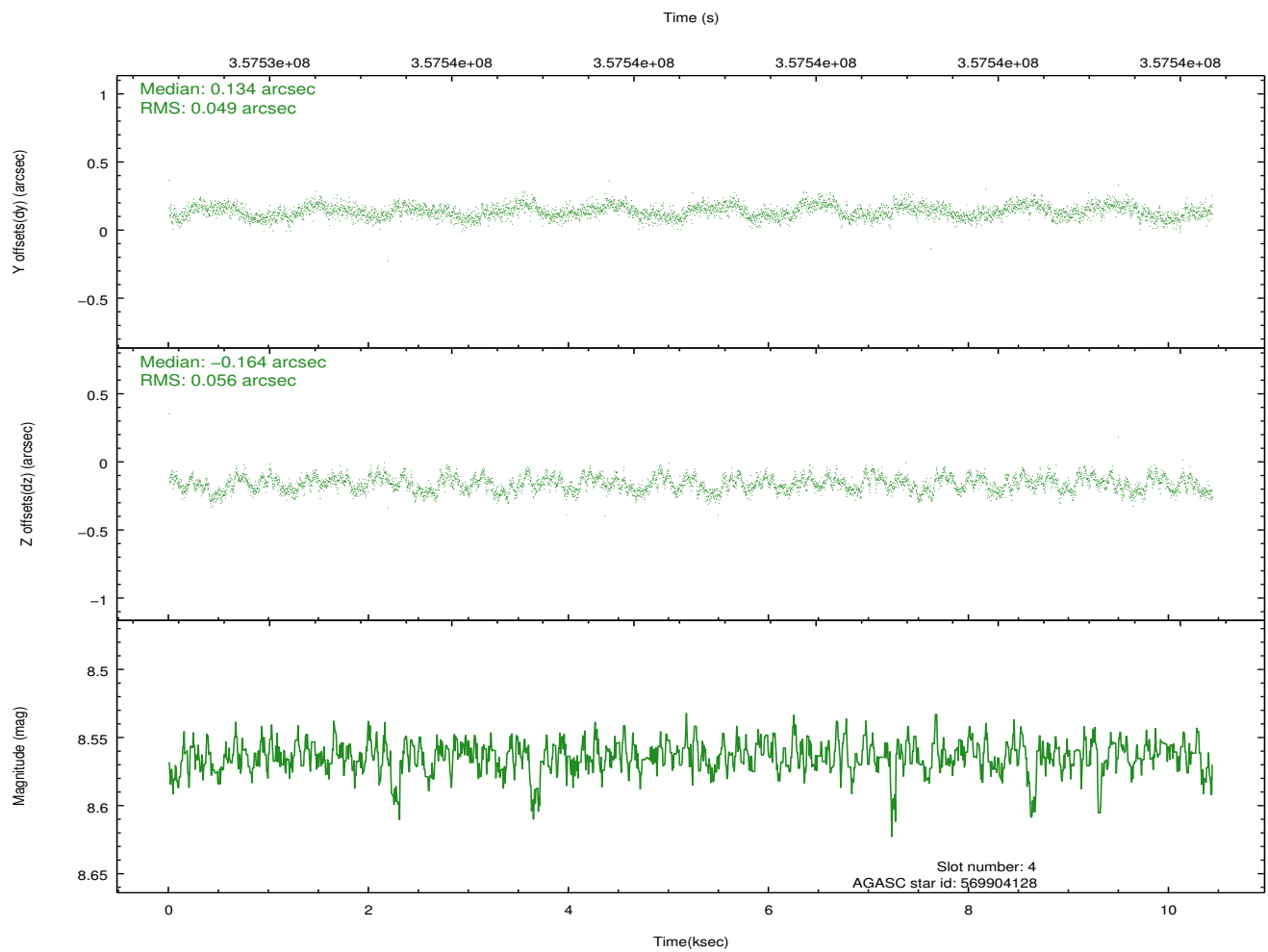
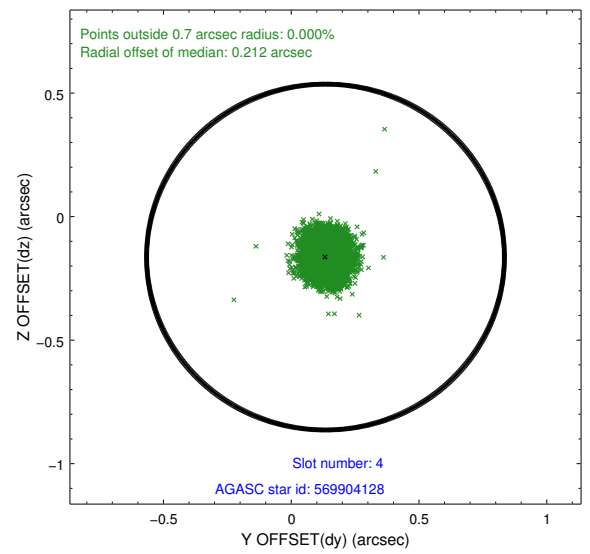
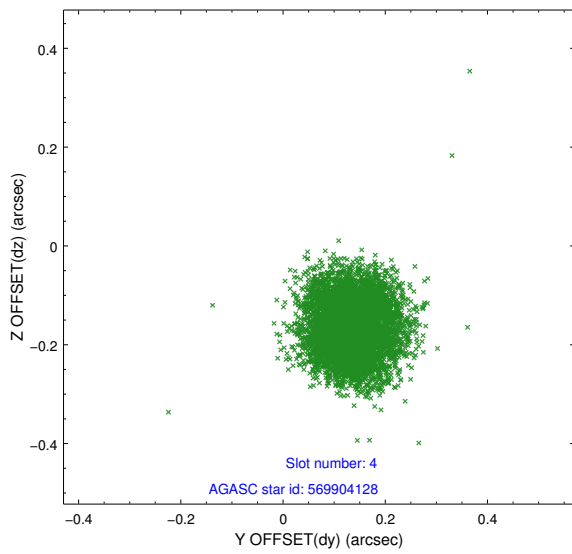
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	2545	0.048	-0.025	0.027	0.042	0.000000	0.000000	925.77	-838.99
1	FID	ACIS-I-5	7.03	2545	-0.216	0.048	0.014	0.022	0.000000	0.000000	-1822.33	1058.30
2	FID	ACIS-I-6	7.04	2545	0.078	0.045	0.015	0.024	0.000000	0.000000	390.78	1703.38
3	GUIDE	569903568	8.90	5082	-0.024	0.010	0.091	0.158	86.606959	70.710476	-358.90	1969.72
4	GUIDE	569904128	8.56	5085	0.134	-0.164	0.080	0.122	86.252443	70.010654	1428.23	143.32
5	GUIDE	569906408	8.02	5089	-0.117	-0.065	0.057	0.093	84.762928	70.742506	-1759.82	280.83
6	GUIDE	569907016	6.84	5090	0.029	0.147	0.073	0.115	85.055781	69.981849	630.50	-1100.35
7	GUIDE	569915272	7.46	5089	-0.033	0.068	0.070	0.120	84.685191	70.364459	-737.65	-623.01

2.4 Star Slots

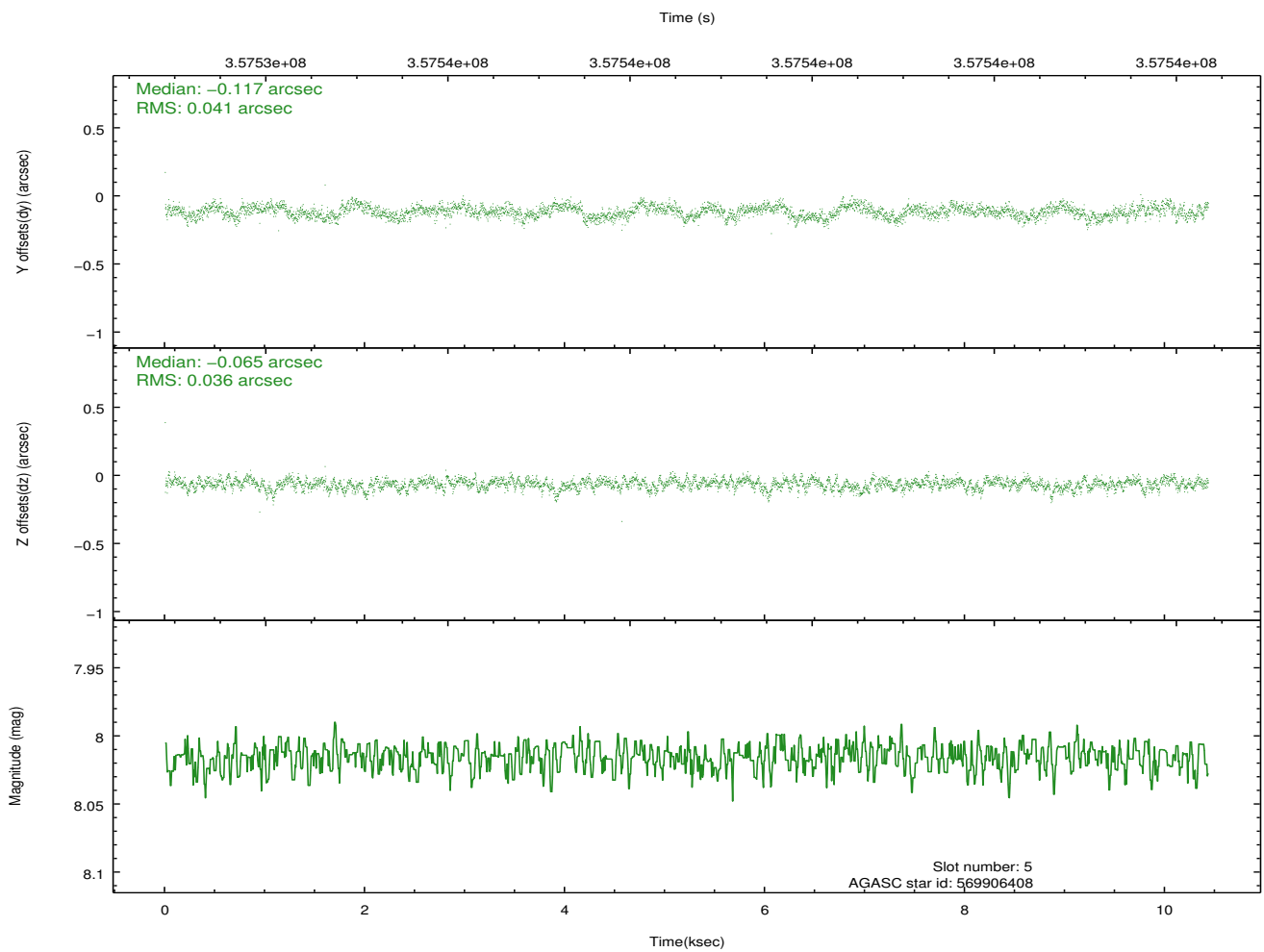
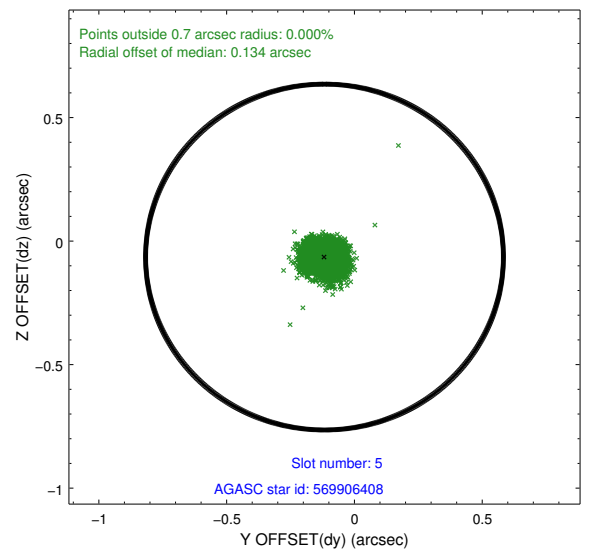
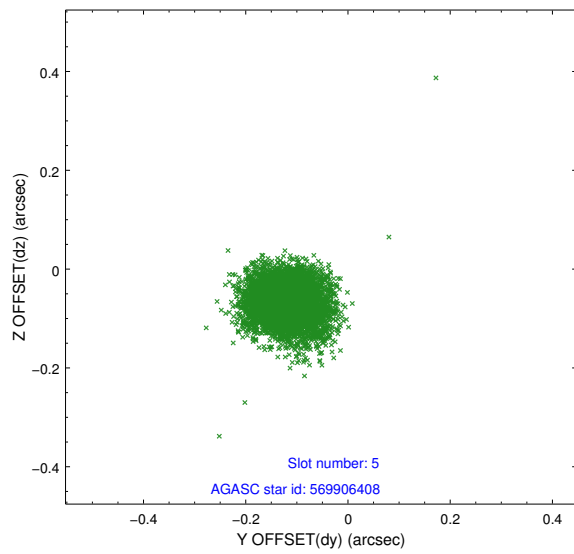
2.4.1 Slot 3



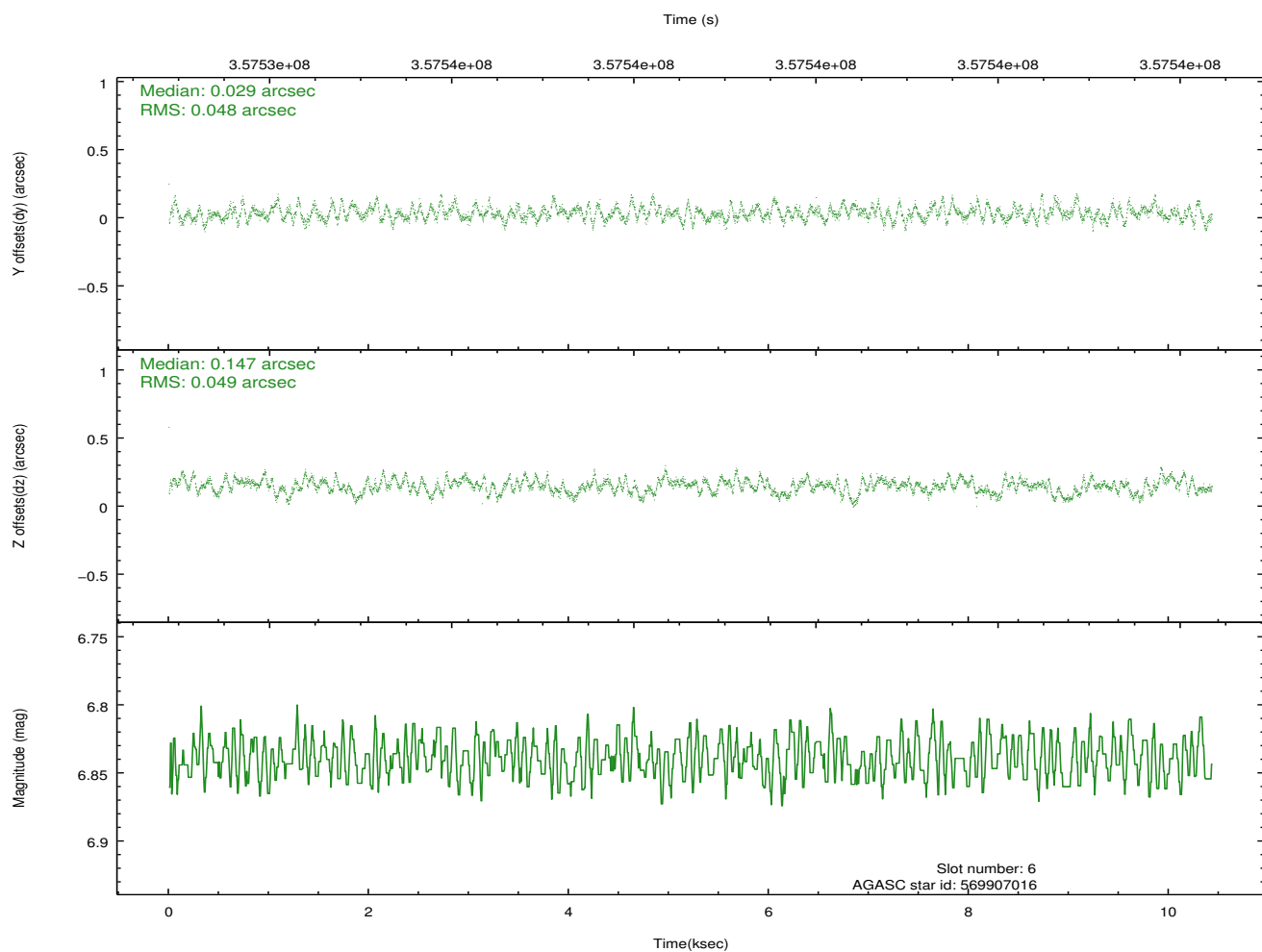
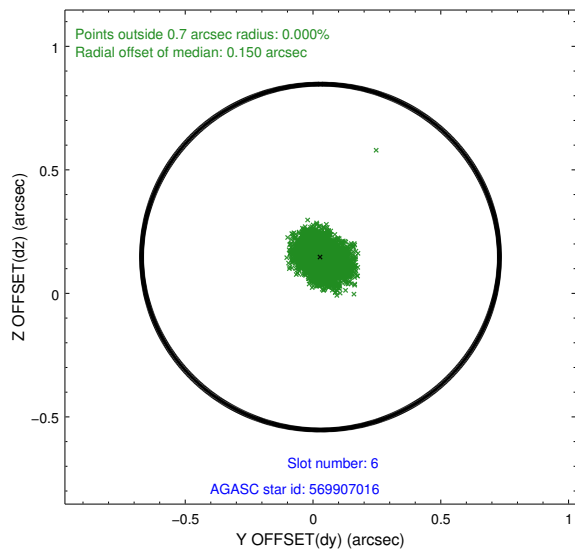
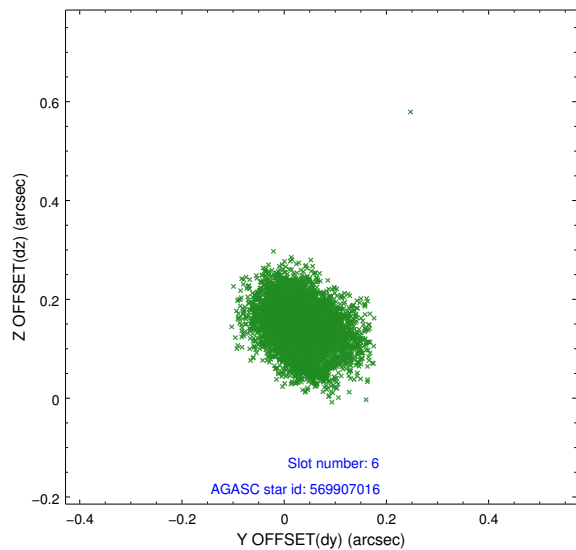
2.4.2 Slot 4



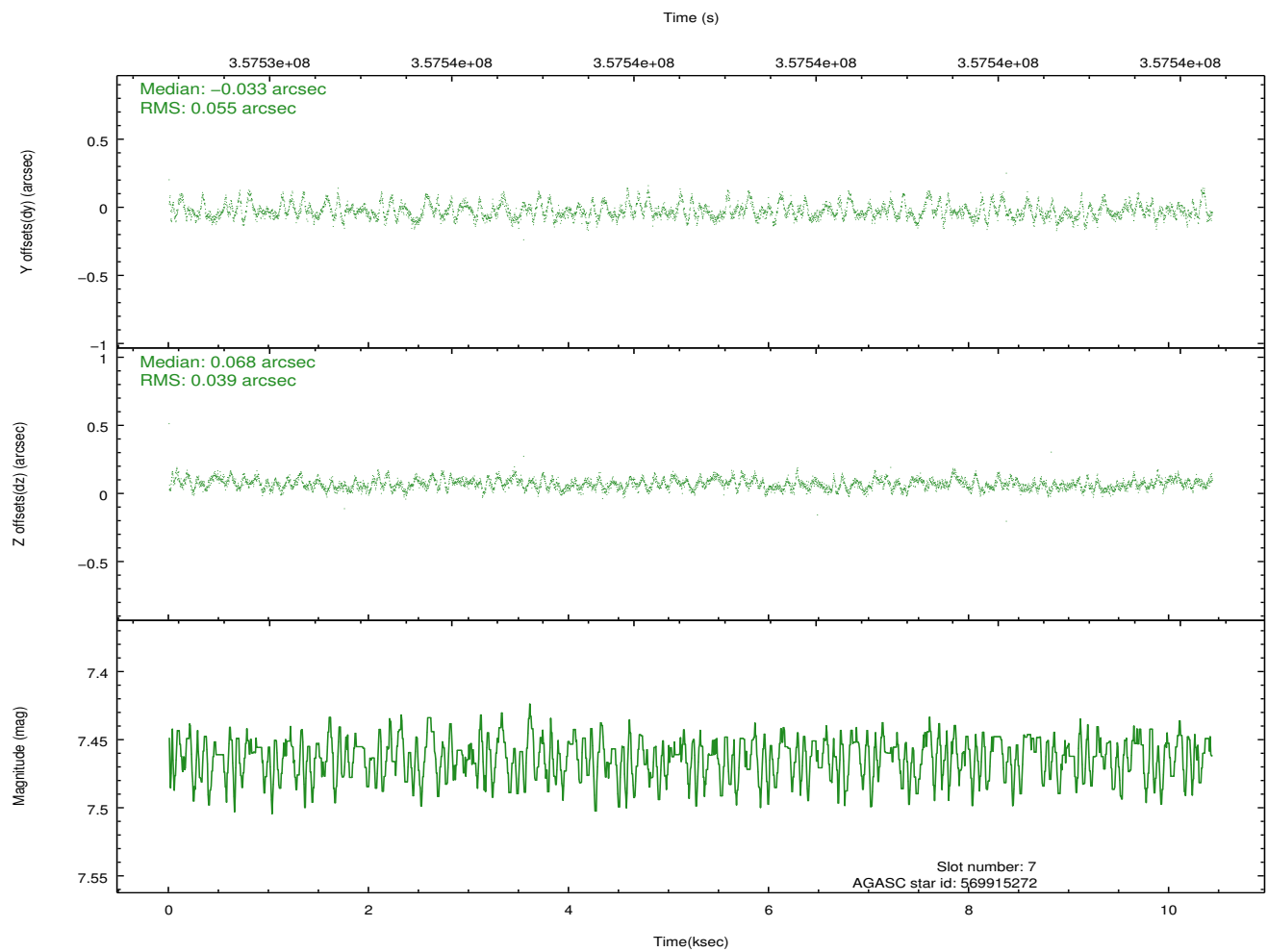
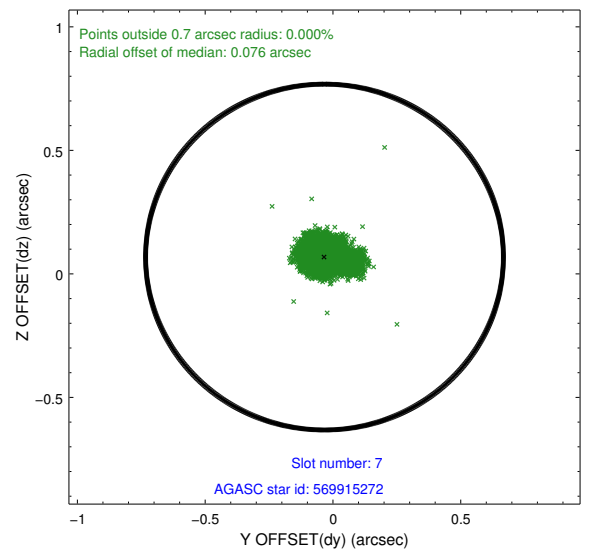
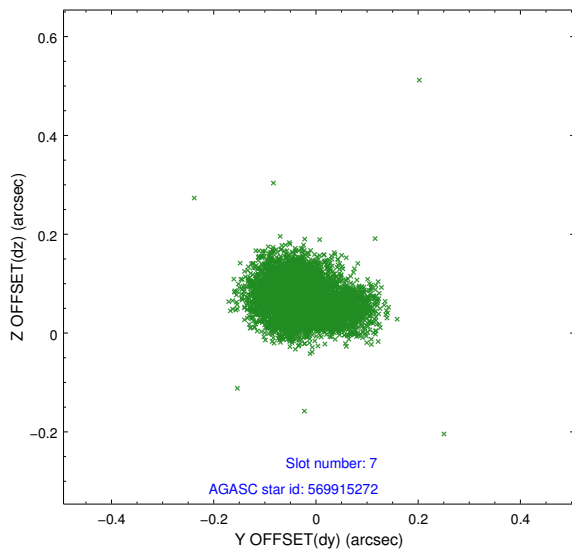
2.4.3 Slot 5



2.4.4 Slot 6

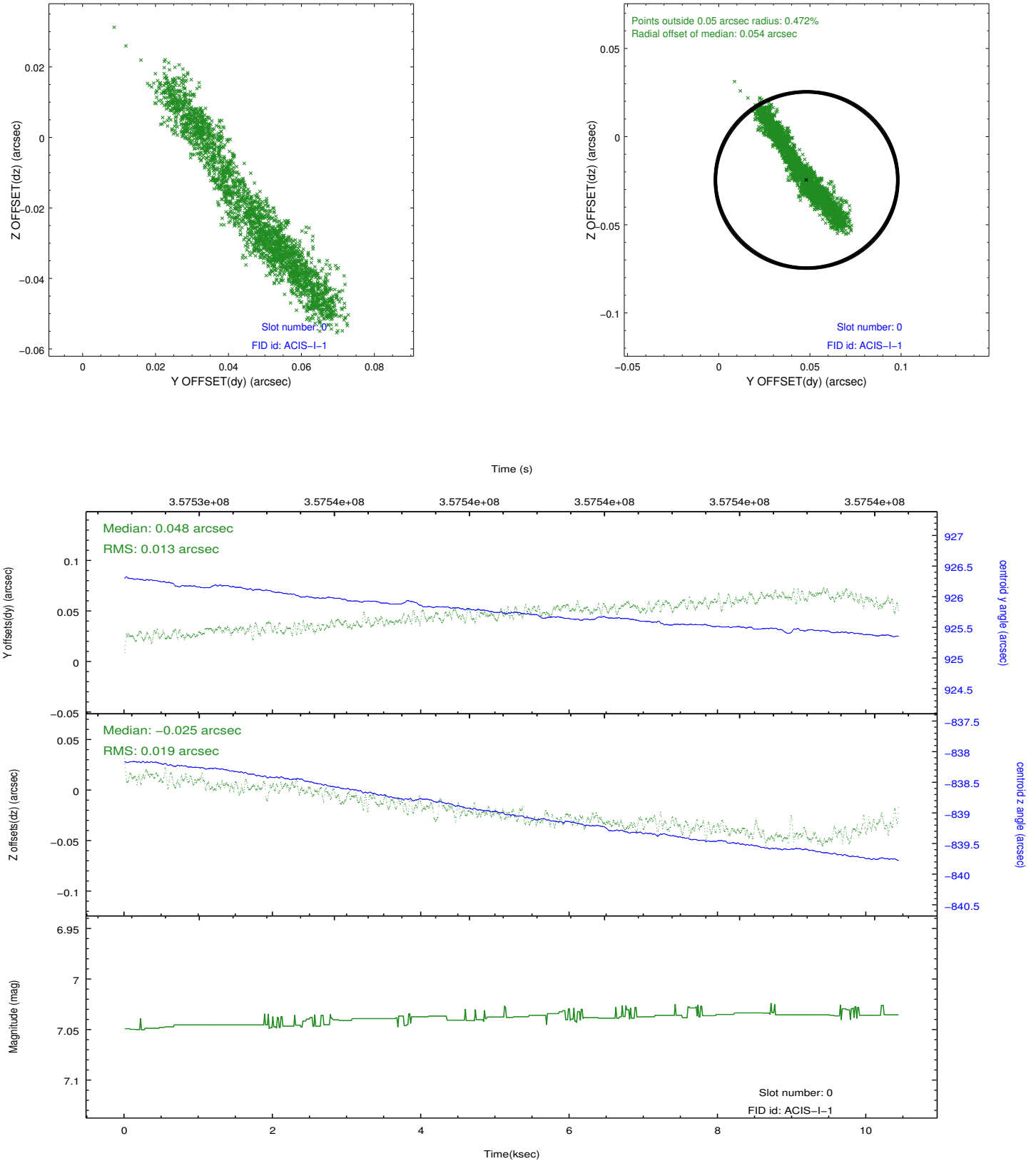


2.4.5 Slot 7

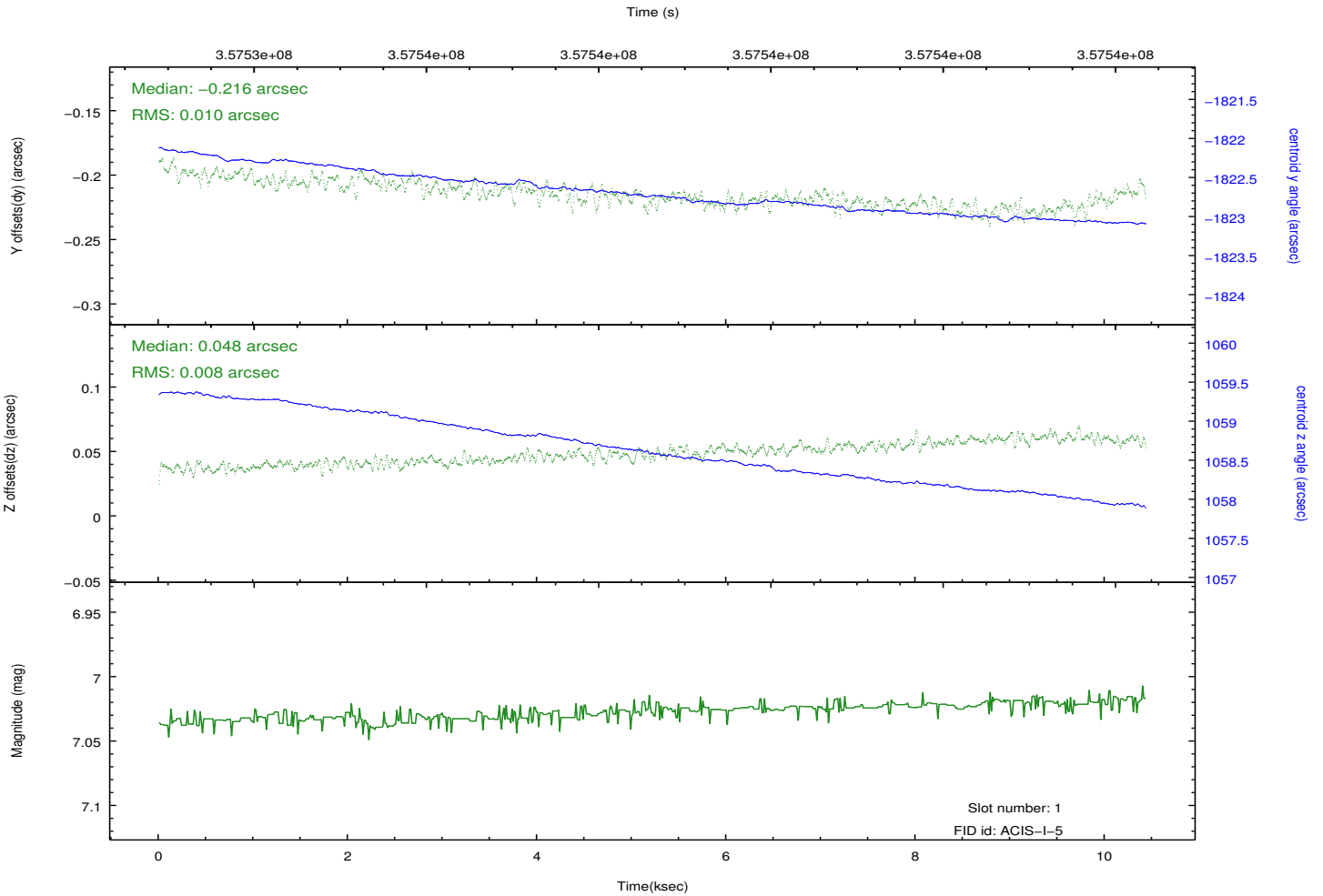
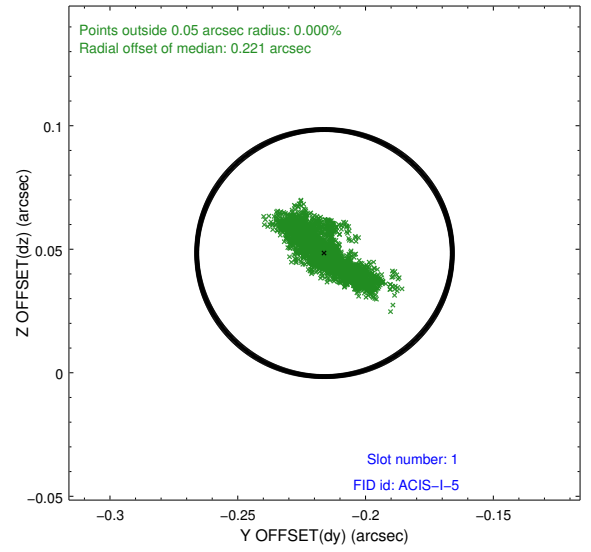
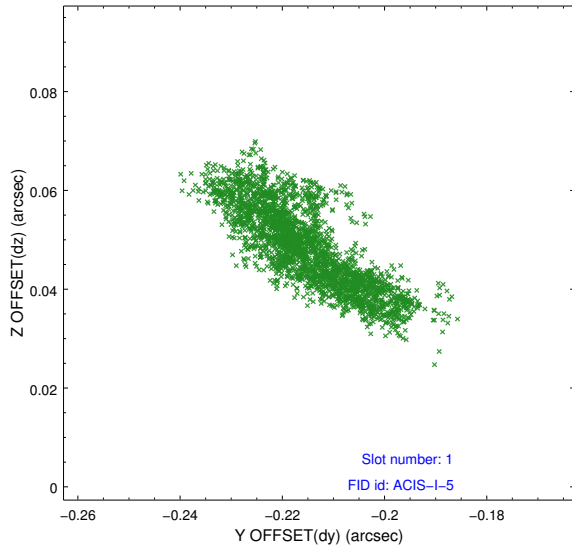


2.5 FID Slots

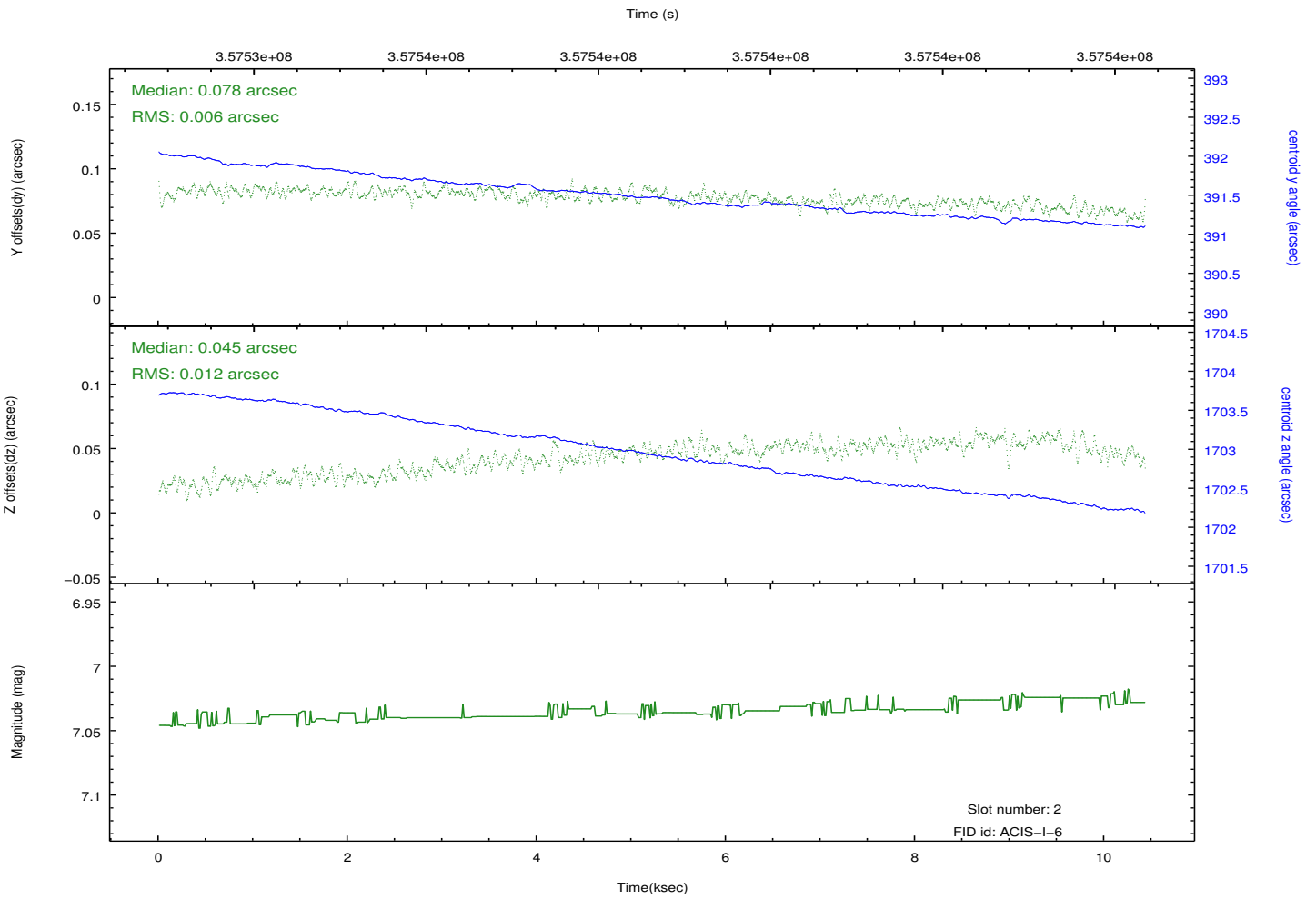
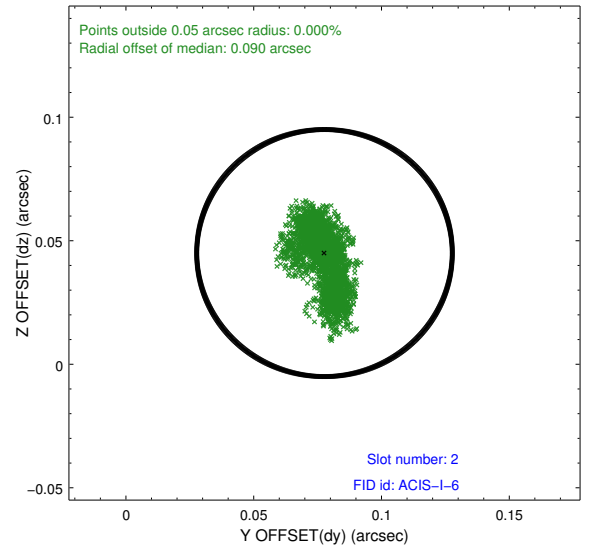
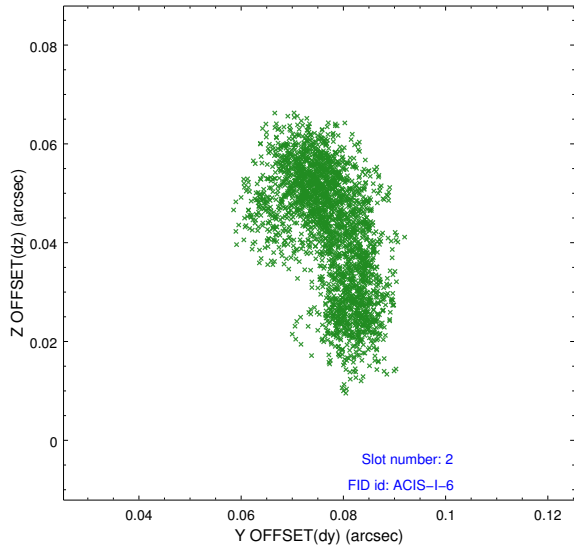
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0223589

A.2 Comments