

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10687 - L2 Version 2
Chandra X-Ray Center

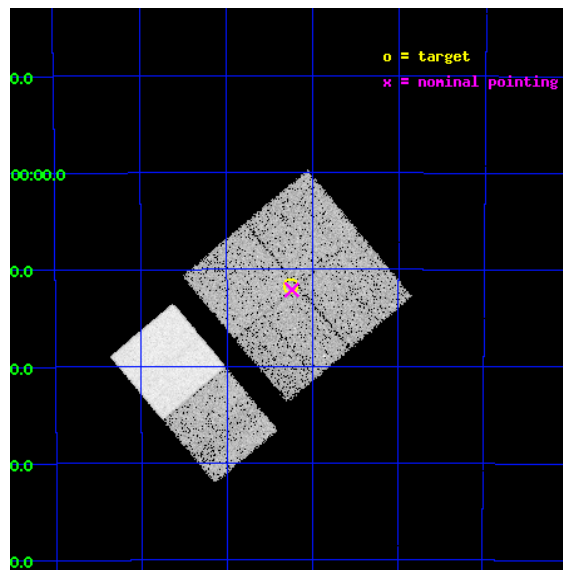
L2 Processing Date : Jun 10 2012

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1 Front

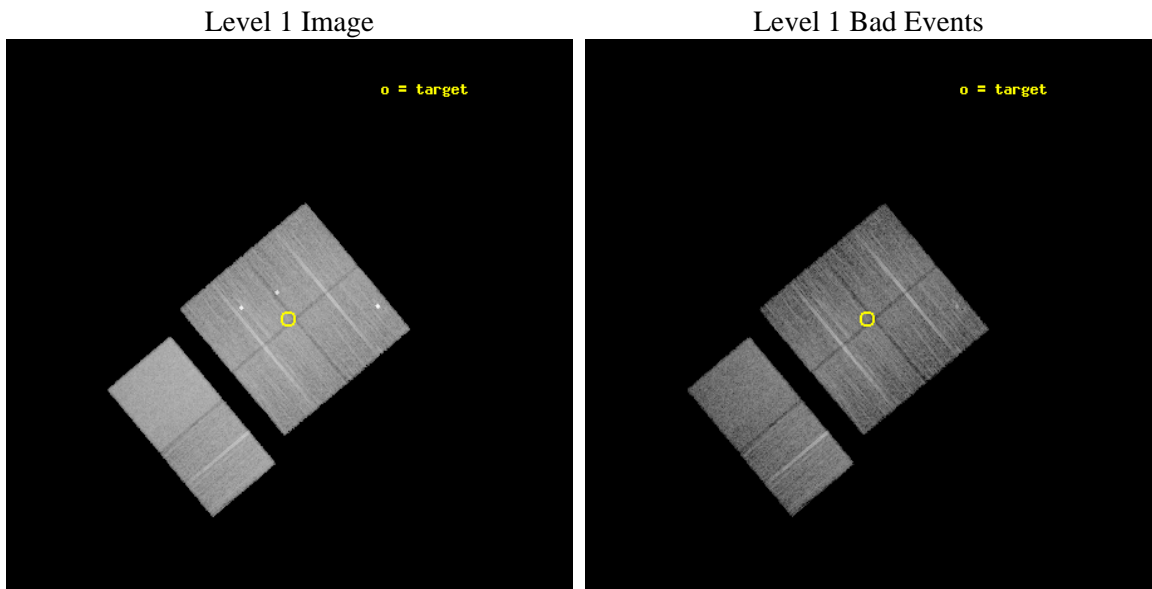
seq_num	401054	Sequence number
obs_id	10687	Observation id
title	Chandra follow-up of weak persistent sources	Proposal title
observer	Dr Jelle Kaastra	Principal investigator
object	IGR J11321-5311	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.065417	Observer's specified target RA [deg]
dec_targ	-53.194722	Observer's specified target Dec [deg]
ra_nom	173.06020929834	Nominal RA [deg]
dec_nom	-53.202199543683	Nominal Dec [deg]
roll_nom	230.0112832422	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10163.199962199	Sum of GTIs [s]
livetime	10034.507404733	Livetime [s]
ontime0	10163.199962199	Sum of GTIs [s]
ontime1	10163.199962199	Sum of GTIs [s]
ontime2	10163.199962199	Sum of GTIs [s]
ontime3	10163.199962199	Sum of GTIs [s]
ontime6	10163.199962199	Sum of GTIs [s]
ontime7	10163.199962199	Sum of GTIs [s]
l2events	119100	Number of level 2 events



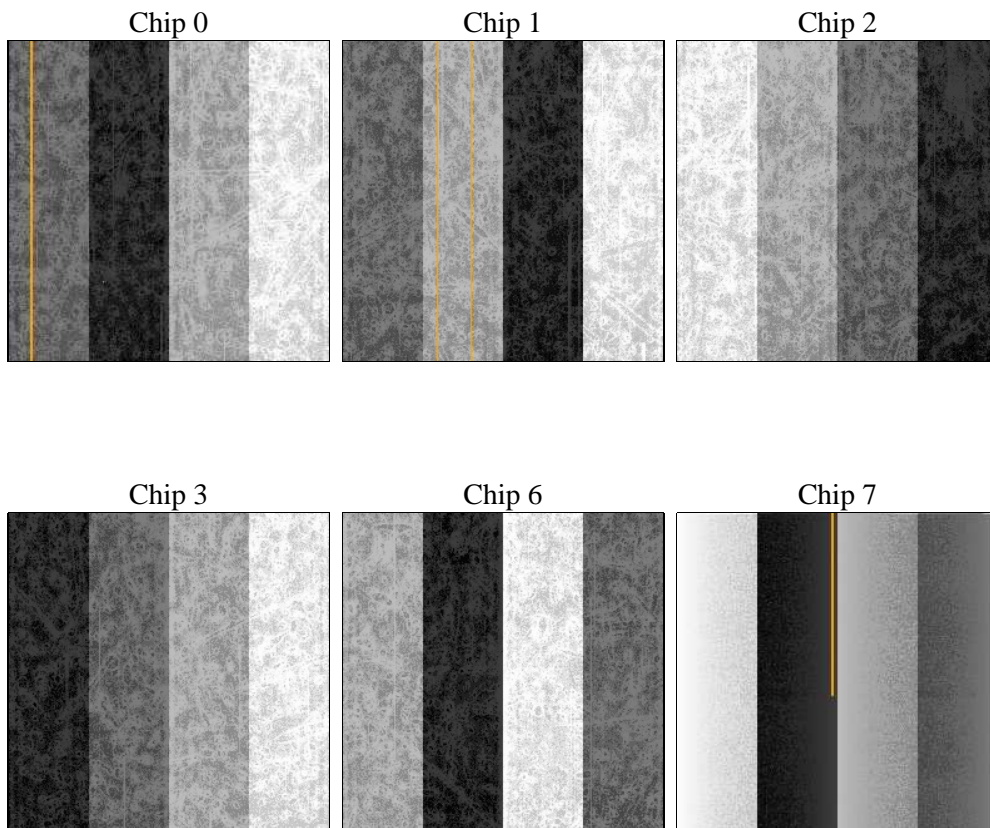
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10163.199962199	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	10163.199962199	Sum of GTIs [s]
date	2012-06-10T12:08:16	Date and time of file creation	ontime1	10163.199962199	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10163.199962199	Sum of GTIs [s]
			ontime3	10163.199962199	Sum of GTIs [s]
			ontime6	10163.199962199	Sum of GTIs [s]
			ontime7	10163.199962199	Sum of GTIs [s]
			l1events	690211	Number of level 1 events

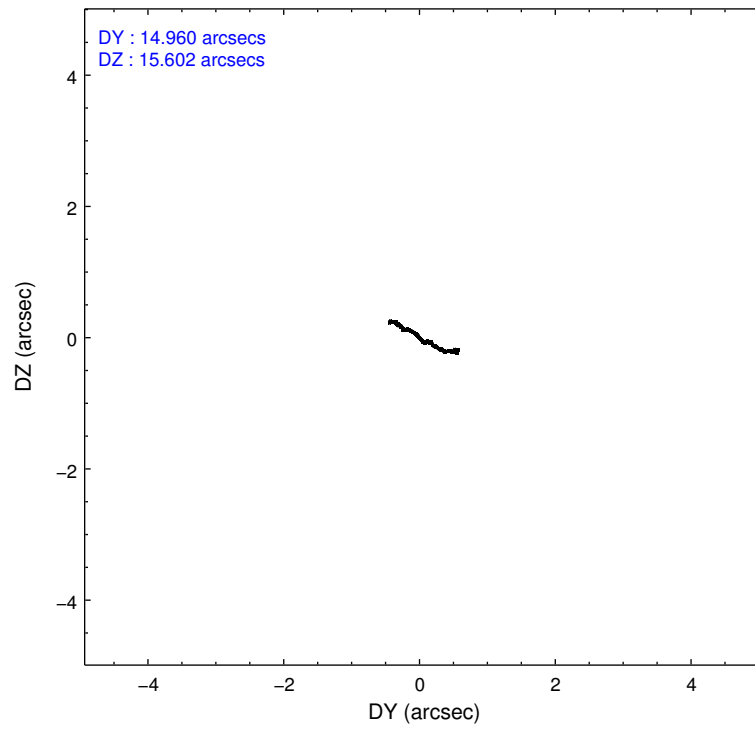
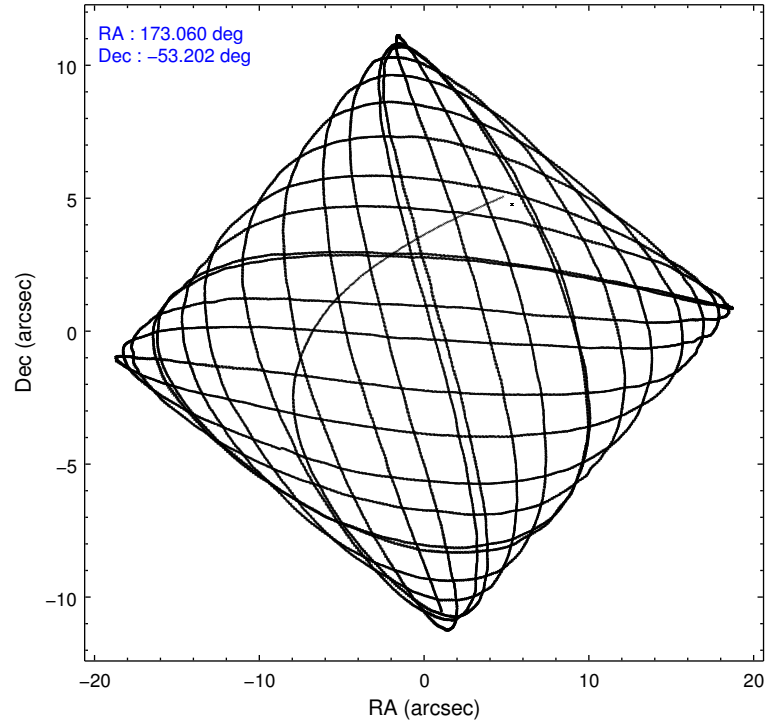
2.1.4 Events

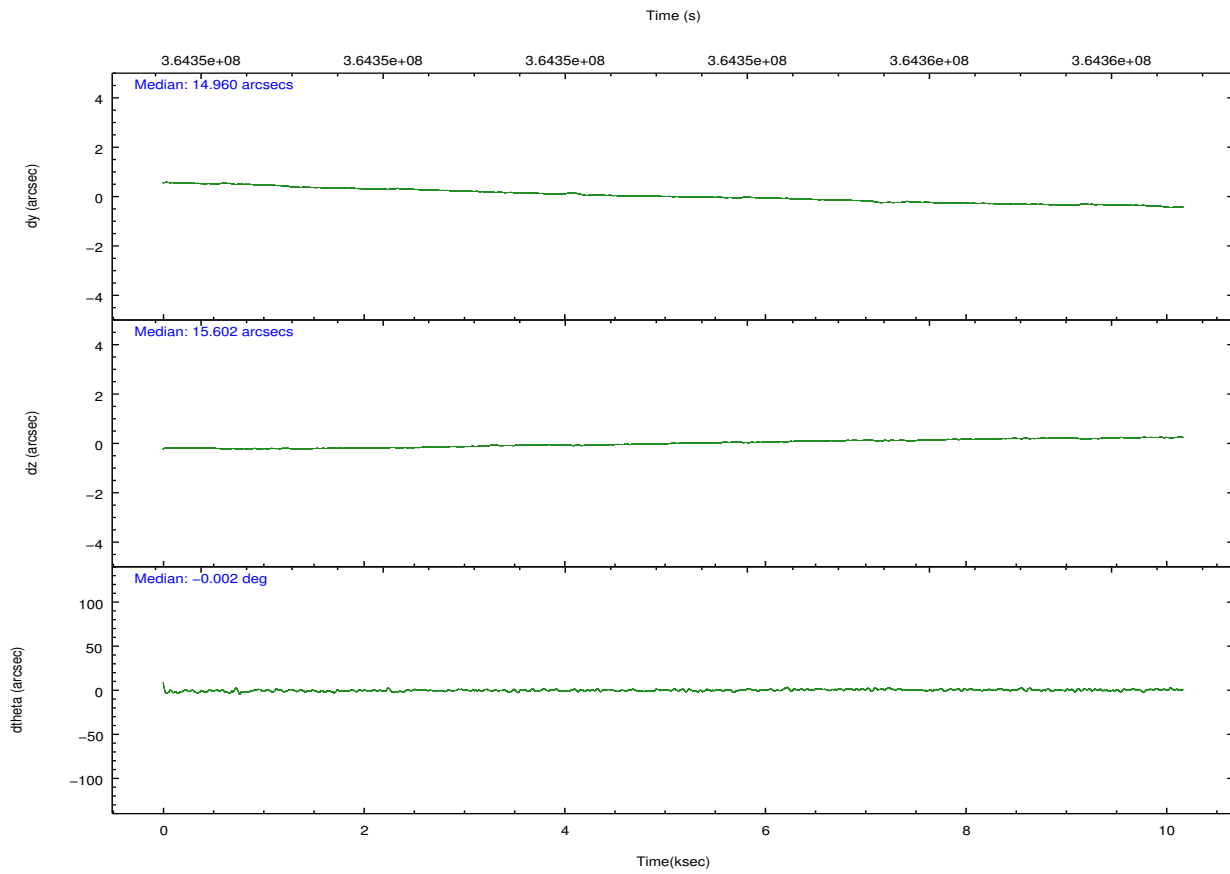
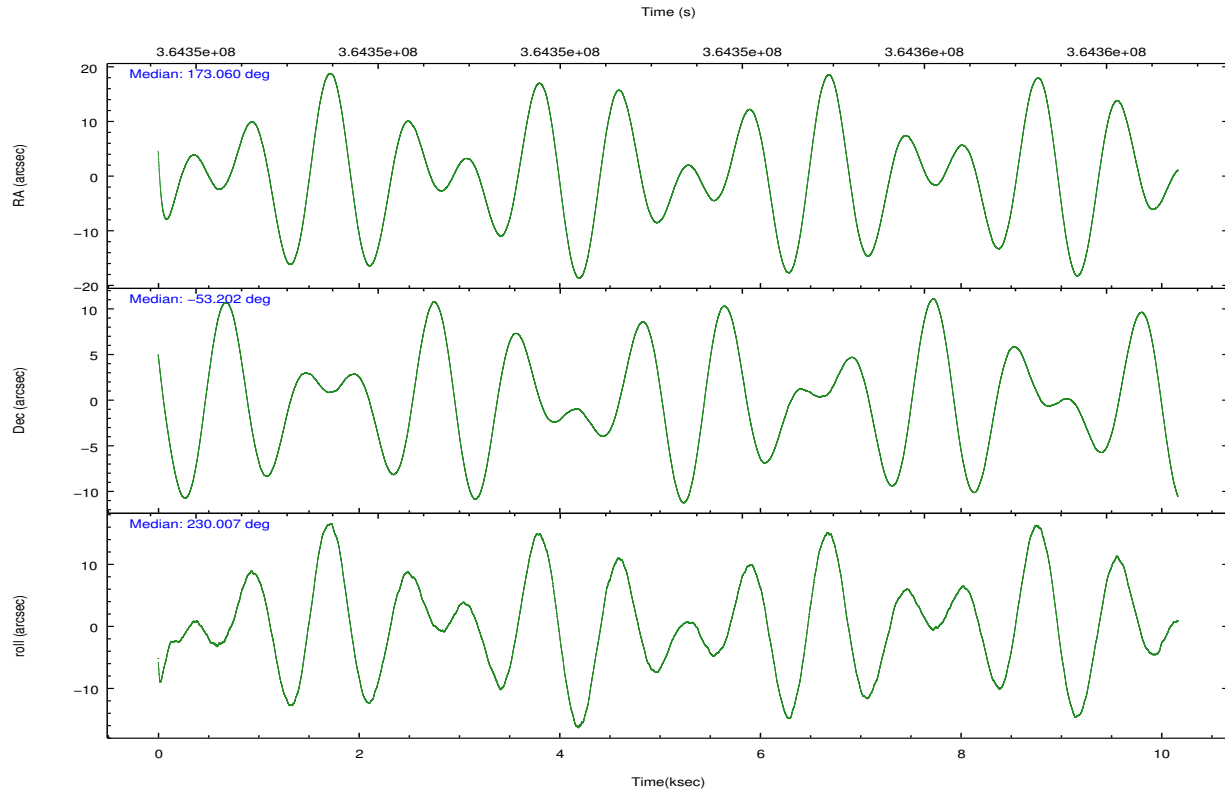
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	105850	101231	109490	110741	111887	151012	grade 0 events	5779	7262	5272	5694	5032	5378
rejected events	87379	85302	96927	93675	98642	87999		5%	7%	4%	5%	4%	3%
rejected %	82%	84%	88%	84%	88%	58%	grade 1 events	54	76	70	67	68	169
								0%	0%	0%	0%	0%	0%
							grade 2 events	7945	3412	2703	6667	3020	13093
								7%	3%	2%	6%	2%	8%
							grade 3 events	1259	1258	1202	1176	1191	5116
								1%	1%	1%	1%	1%	3%
							grade 4 events	1210	1266	1186	1171	1272	5334
								1%	1%	1%	1%	1%	3%
							grade 5 events	4625	4833	4390	5108	5353	14102
								4%	4%	4%	4%	4%	9%
							grade 6 events	2293	2748	2206	2372	2741	34145
								2%	2%	2%	2%	2%	22%
							grade 7 events	82685	80376	92461	88486	93210	73675
								78%	79%	84%	79%	83%	48%

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	173.067987	173.0602092983402	CCD I2 on	Y	Y
[deg] Pointing Dec	-53.175076	-53.20219954368294	CCD I3 on	Y	Y
[deg] Pointing Roll	229.808834	230.0112832422034	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)	364348258.184000	364347187.55289	CCD S5 on	N	N
Observation start date	2009-07-18T23:49:52	2009-07-18T23:33:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	364358258.184000	364358547.11596	On-chip summing requested	N	N
Observation end date	2009-07-19T02:36:32	2009-07-19T02:42:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



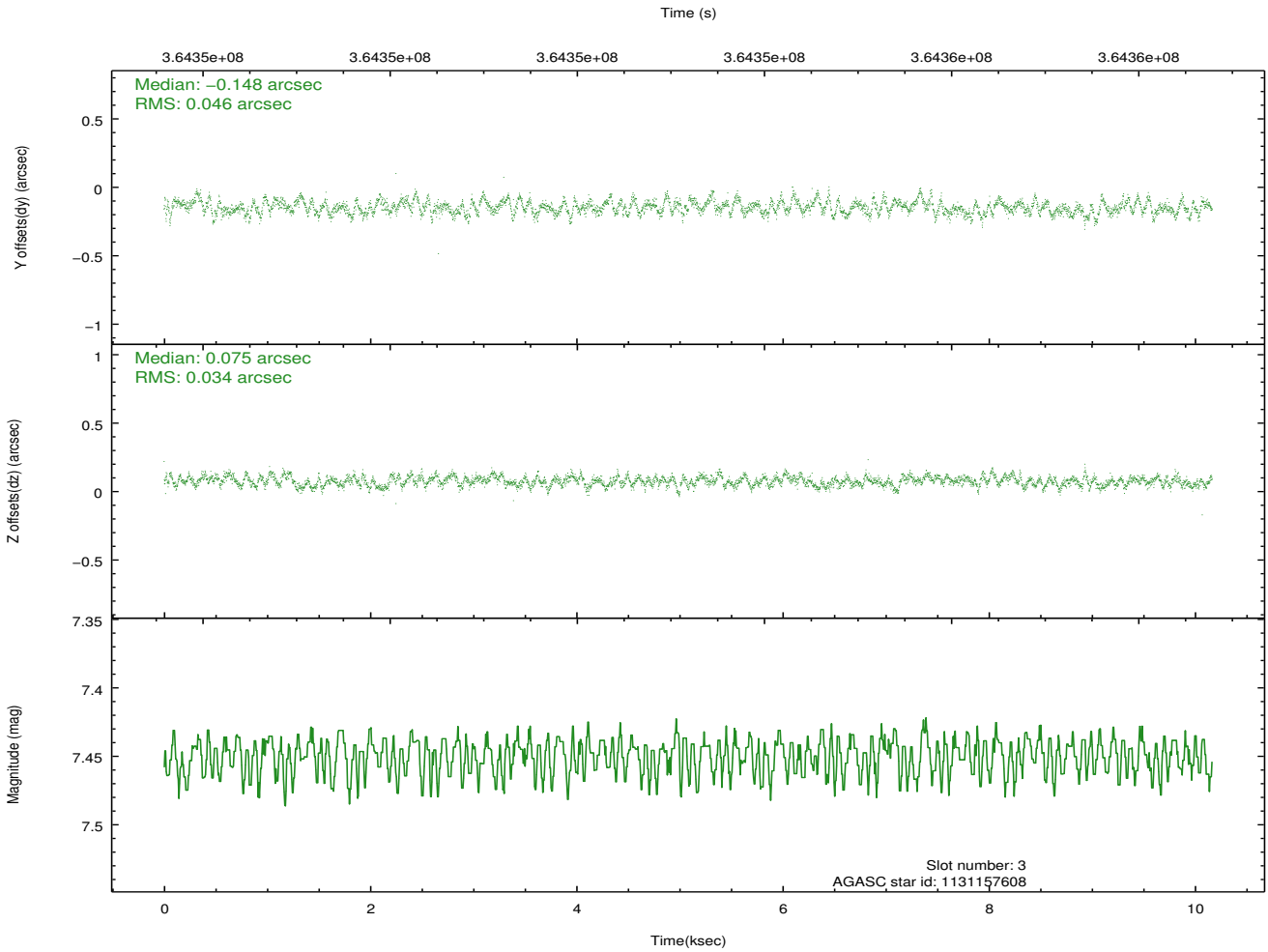
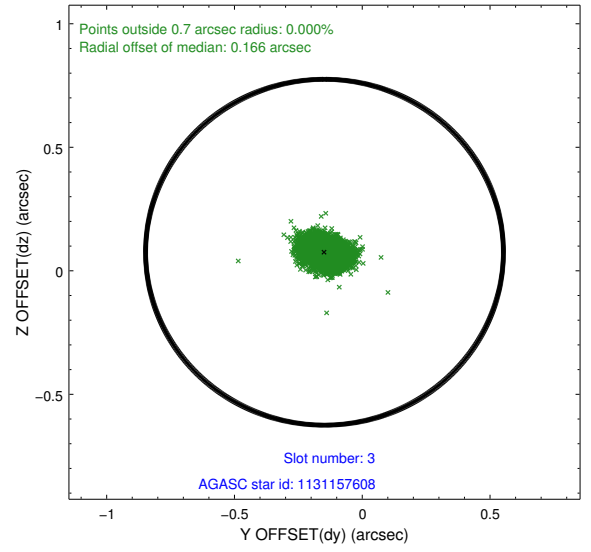
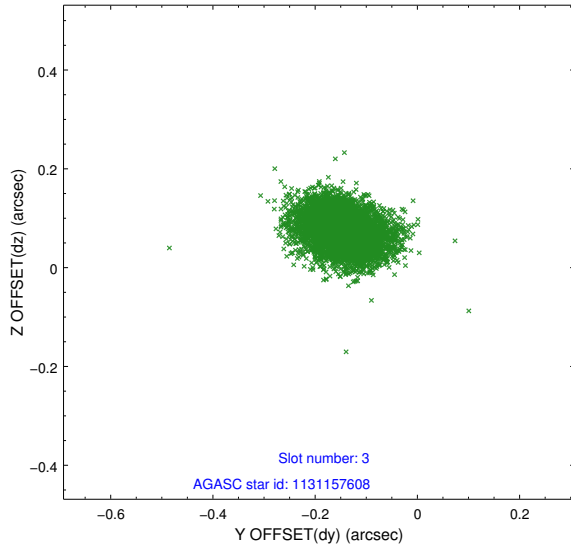


Slot Statistics

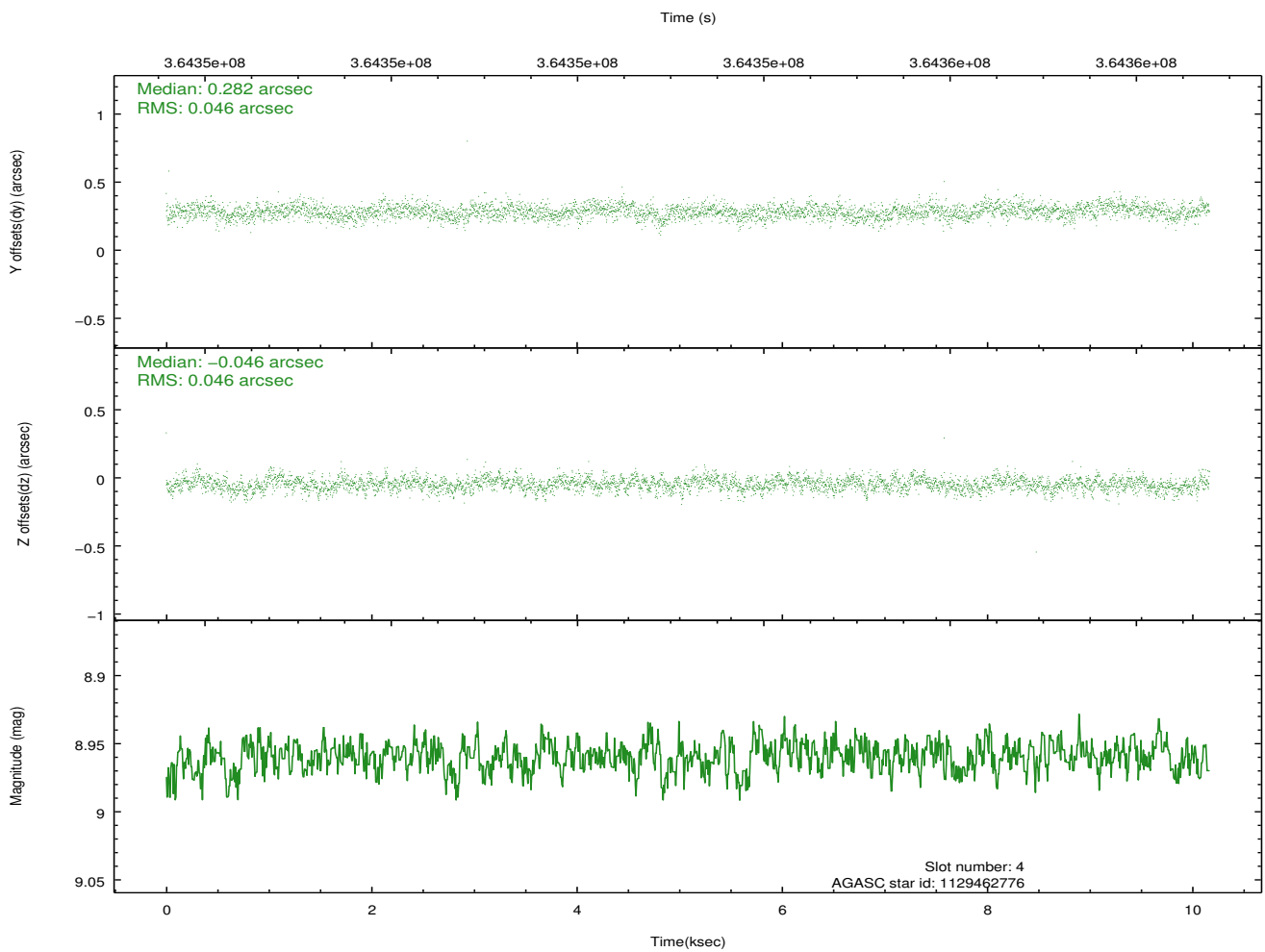
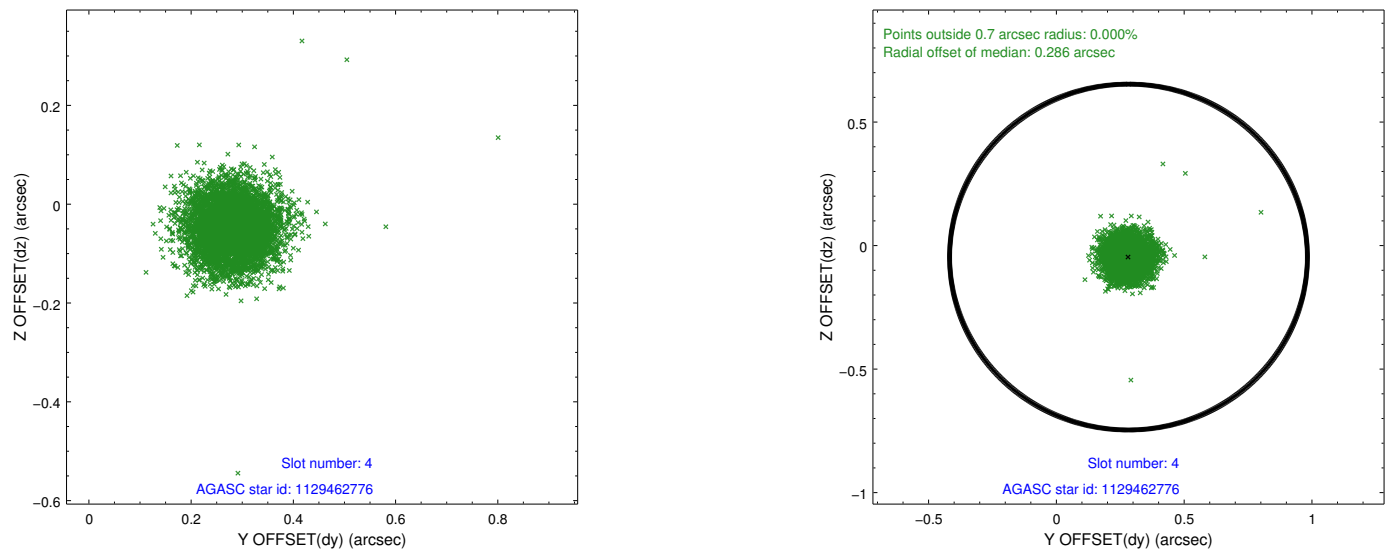
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.10	2480	-0.033	-0.002	0.015	0.027	0.000000	0.000000	924.44	-839.21
1	FID	ACIS-I-2	7.00	2480	-0.175	-0.065	0.014	0.025	0.000000	0.000000	-769.50	-845.99
2	FID	ACIS-I-4	7.02	2480	0.111	0.131	0.014	0.031	0.000000	0.000000	2144.23	1060.47
3	GUIDE	1131157608	7.45	4959	-0.148	0.075	0.061	0.100	173.948771	-52.964595	-1802.47	977.29
4	GUIDE	1129462776	8.96	4951	0.282	-0.046	0.068	0.112	172.537834	-53.505817	1645.27	-95.71
5	GUIDE	1129455480	7.77	4960	-0.123	-0.017	0.062	0.097	172.657983	-52.623896	-935.19	-1963.42
6	GUIDE	1129464496	9.04	4934	0.084	0.101	0.091	0.147	173.288590	-53.857033	1573.54	1942.50
7	GUIDE	1131161320	8.02	4958	-0.097	-0.108	0.096	0.143	174.062245	-53.503861	-458.22	2399.87

2.4 Star Slots

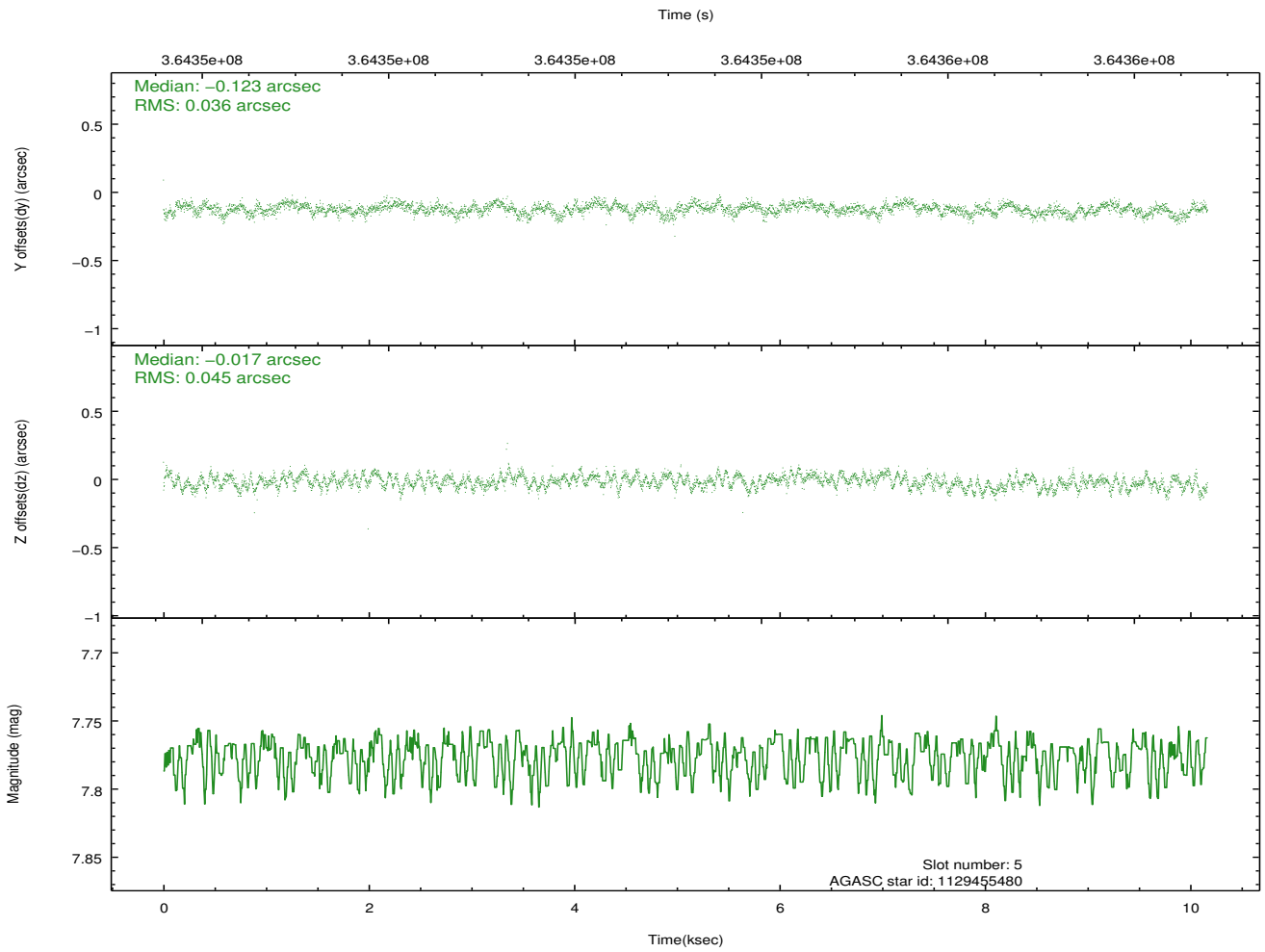
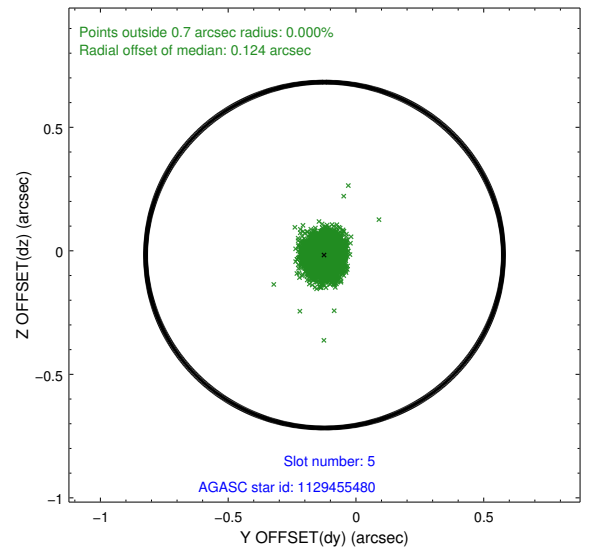
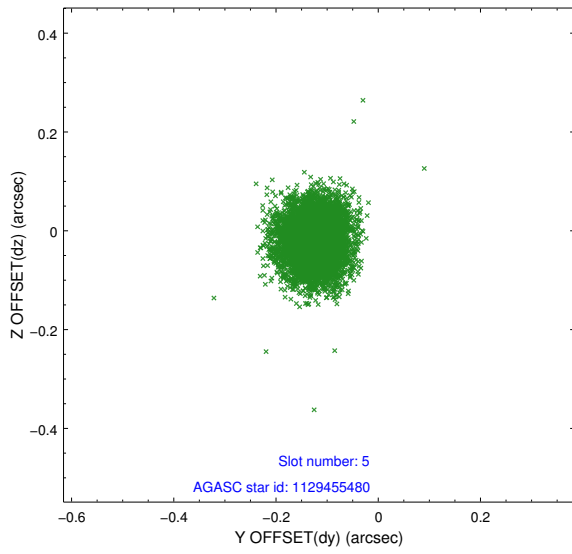
2.4.1 Slot 3



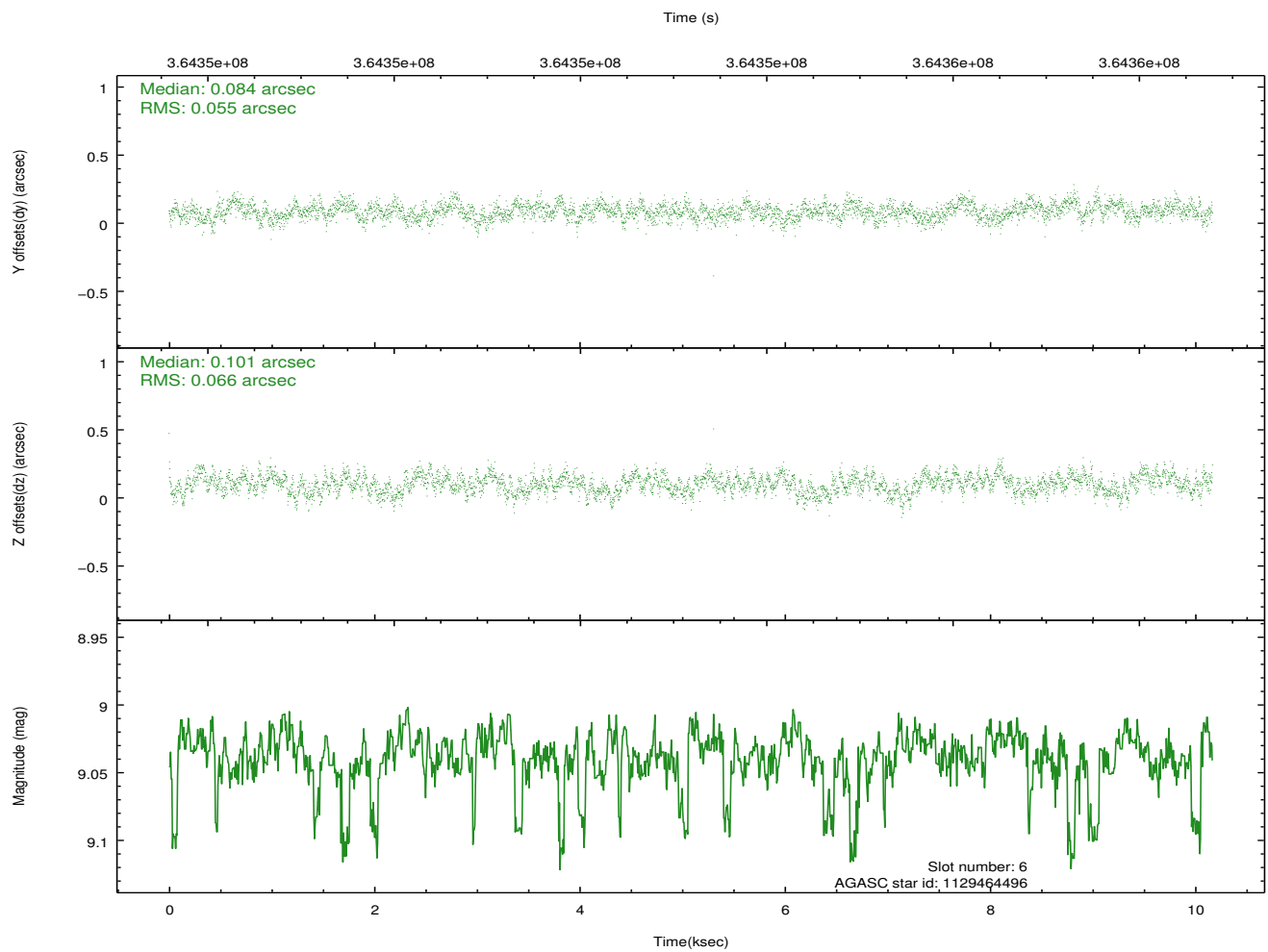
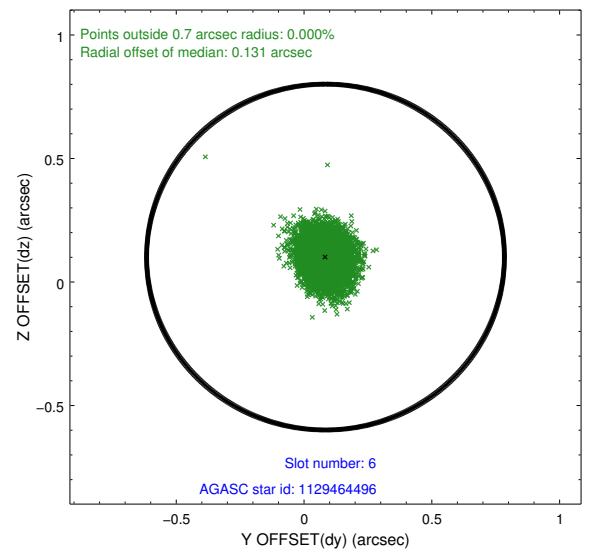
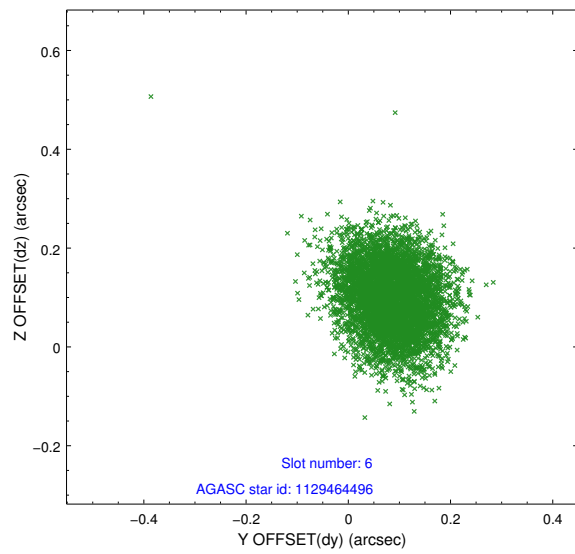
2.4.2 Slot 4



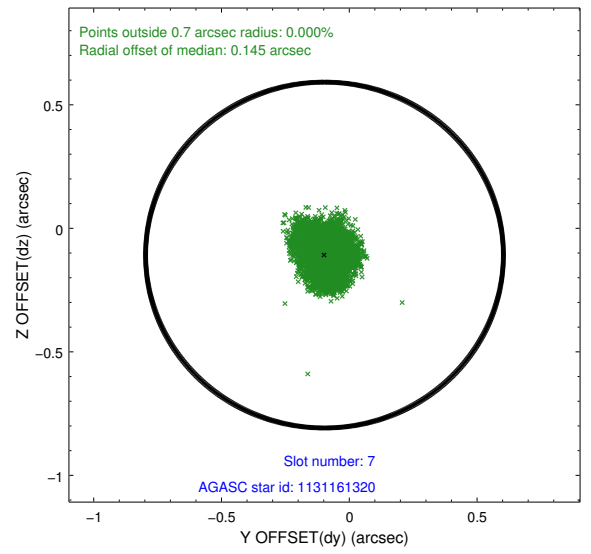
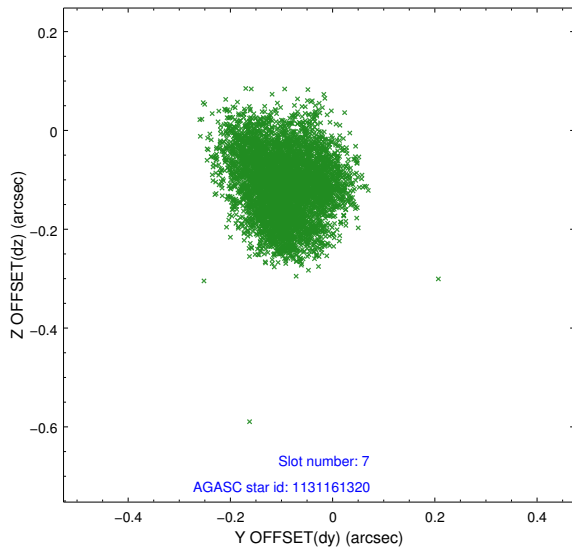
2.4.3 Slot 5



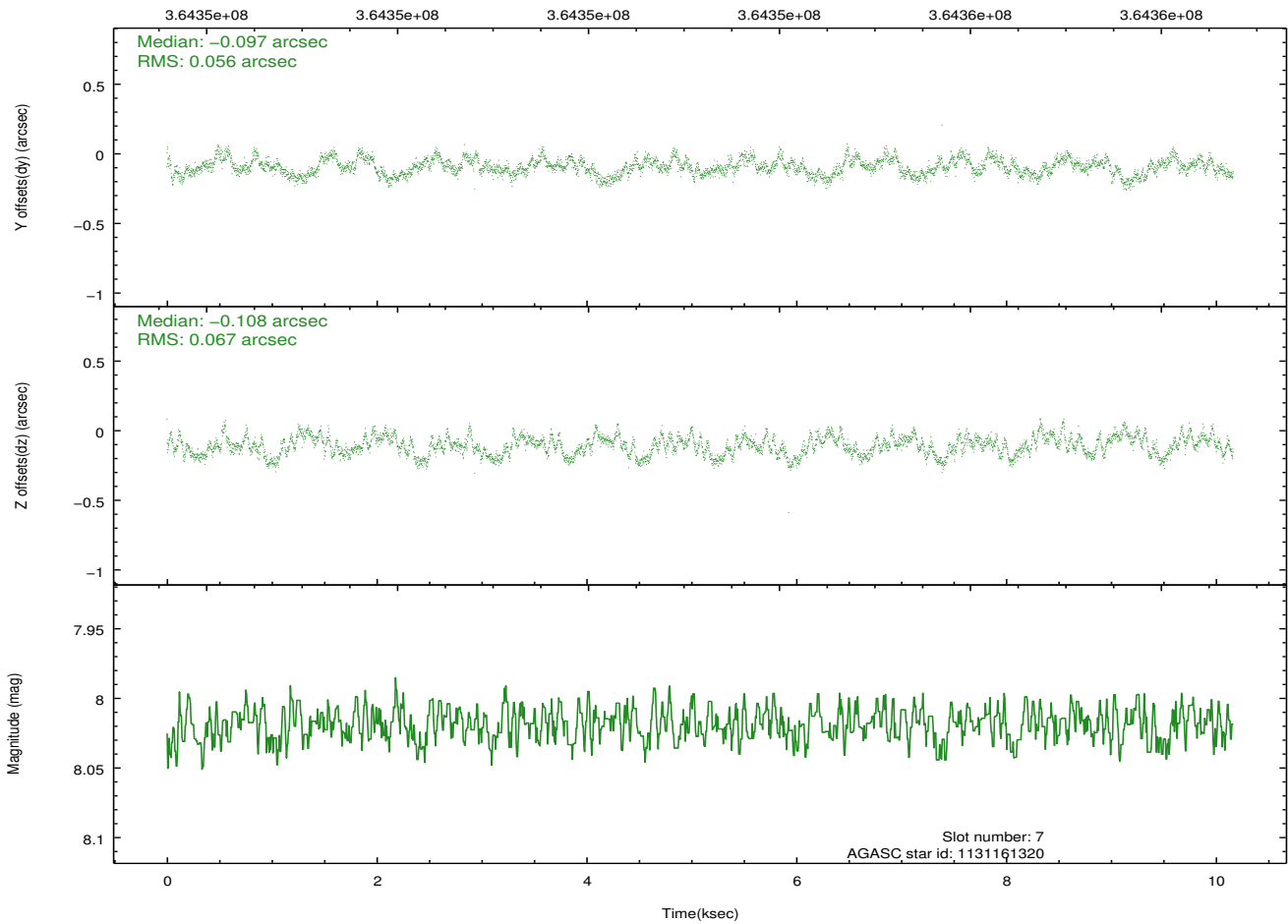
2.4.4 Slot 6



2.4.5 Slot 7

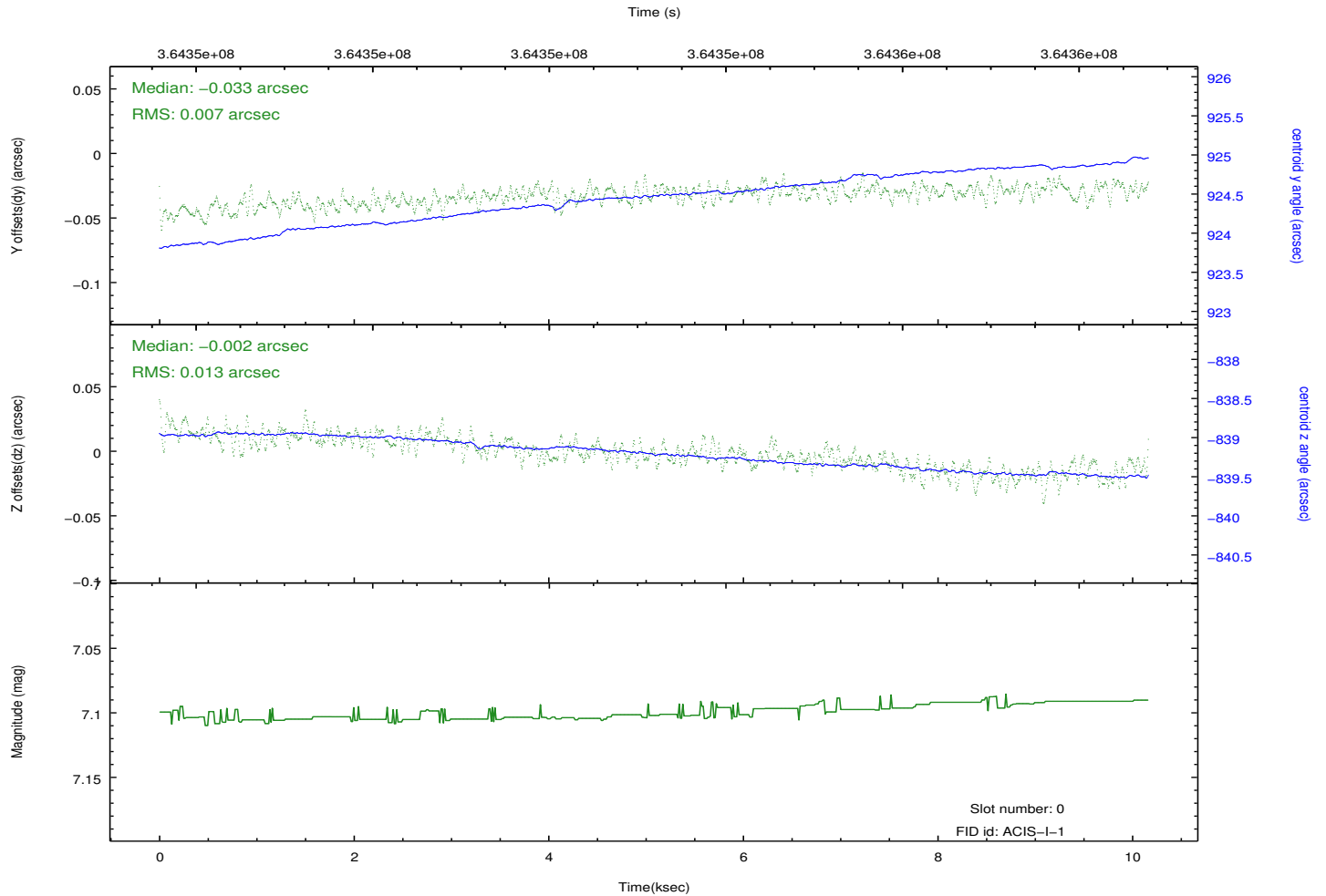
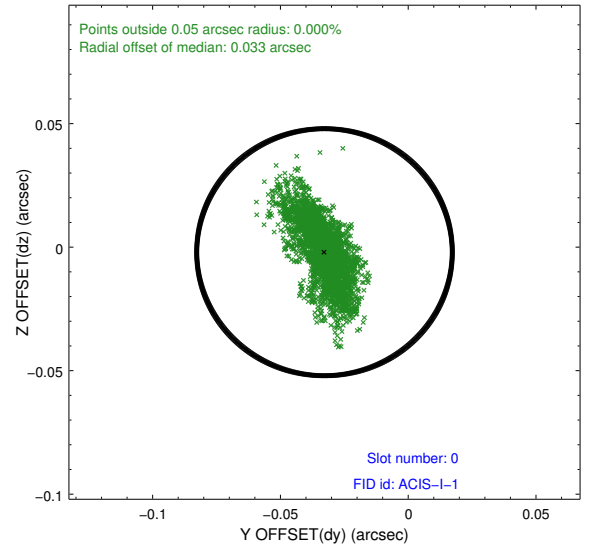
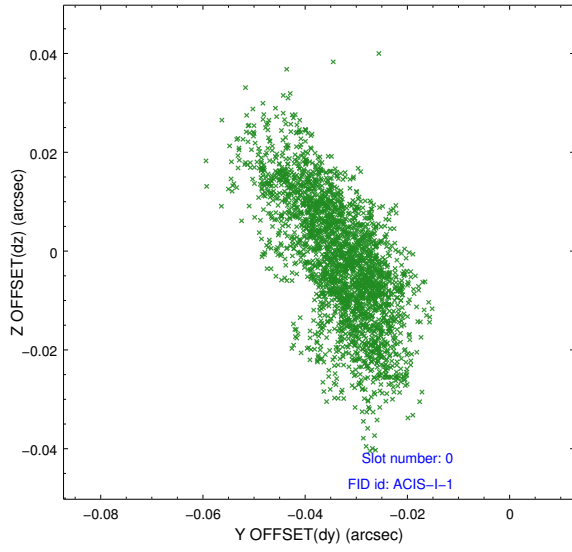


Time (s)

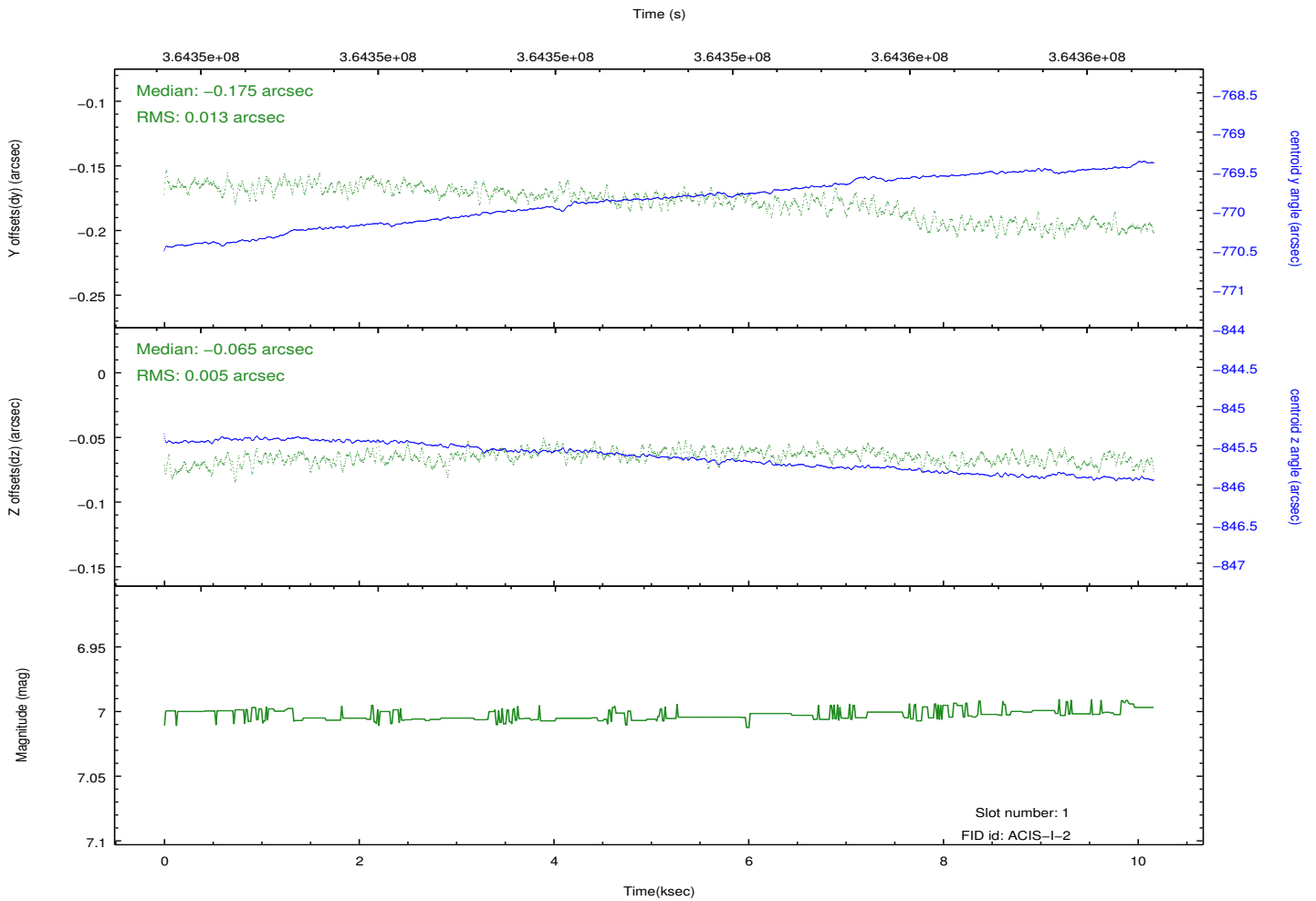
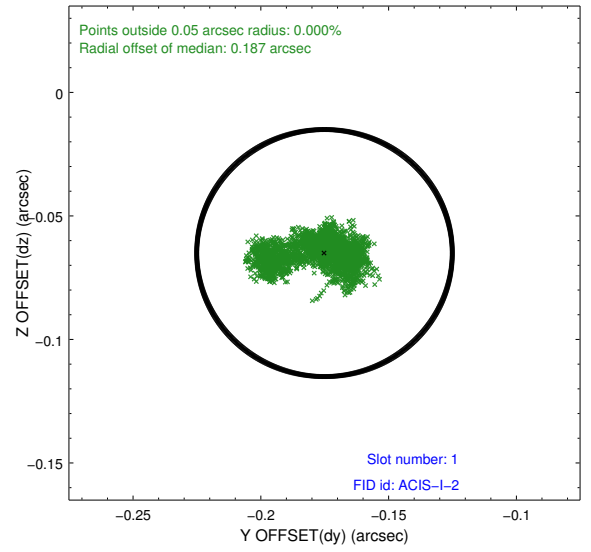
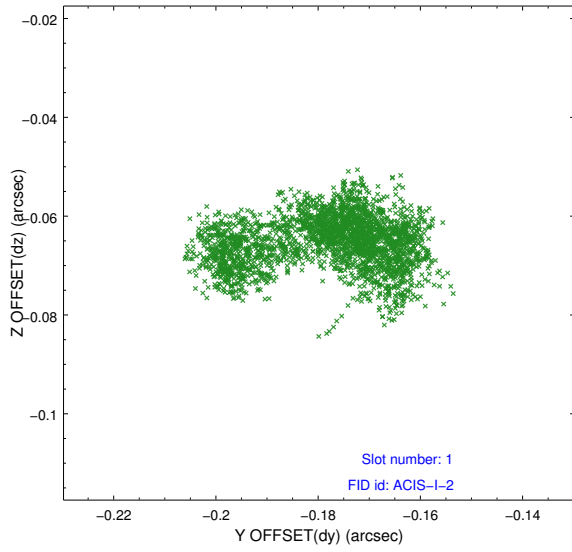


2.5 FID Slots

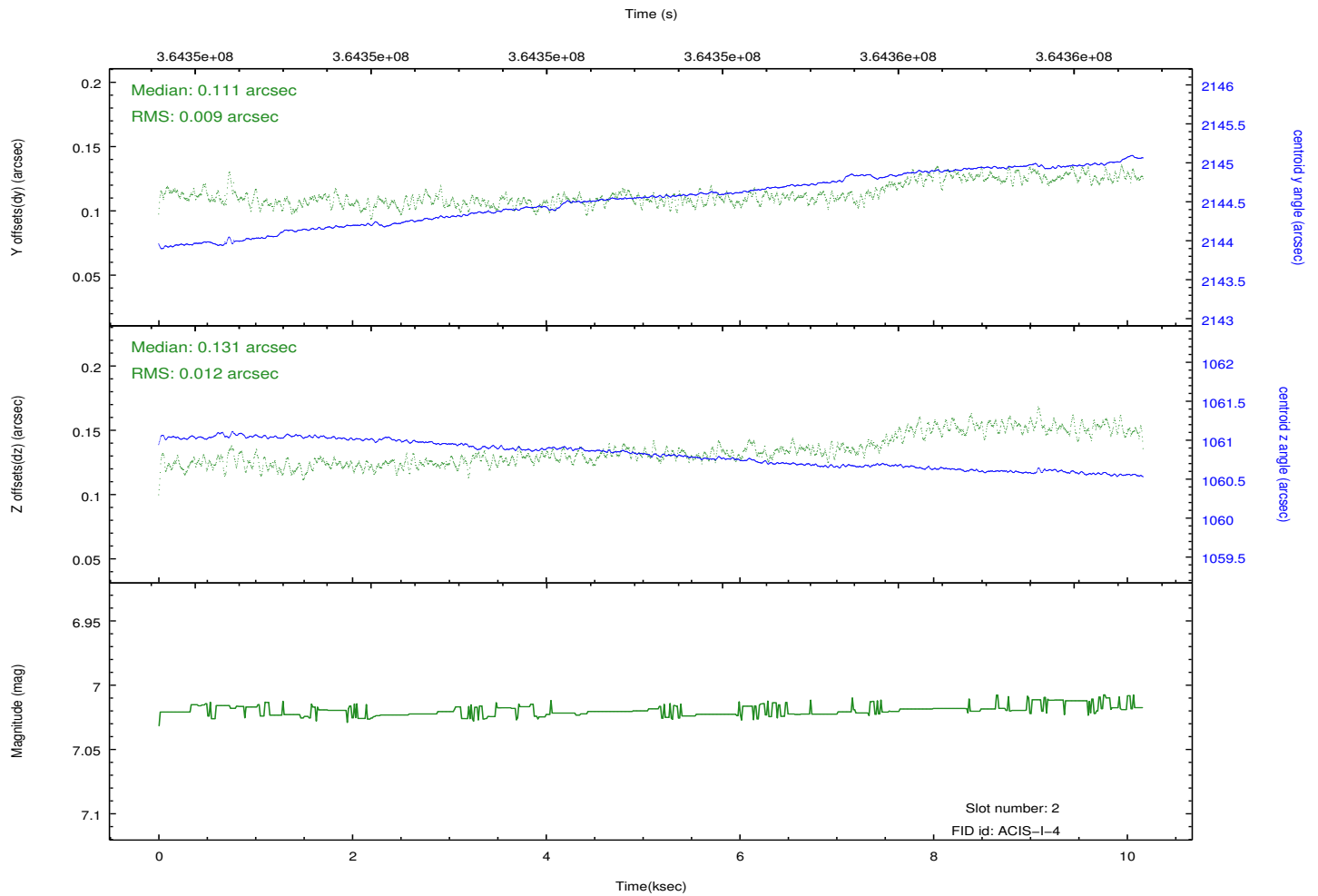
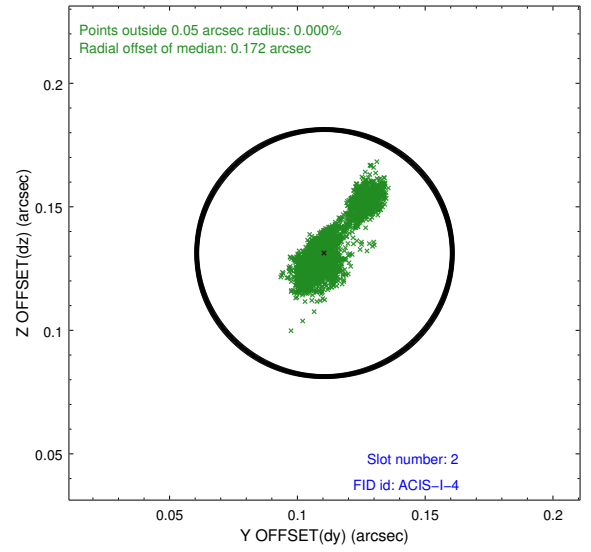
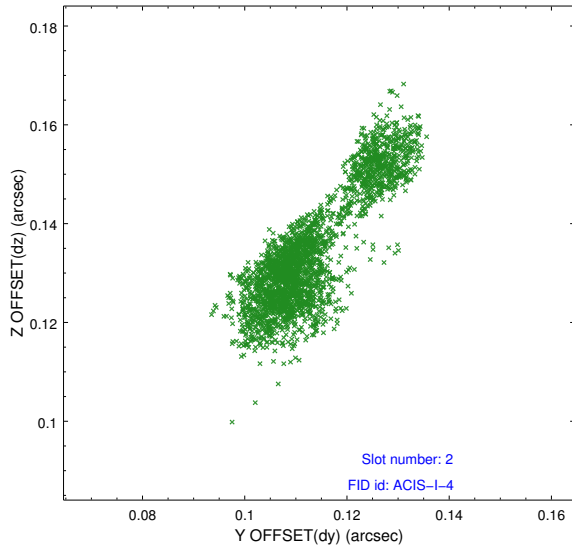
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.163199962199

A.2 Comments