

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 18982 - L2 Version 1
Chandra X-Ray Center

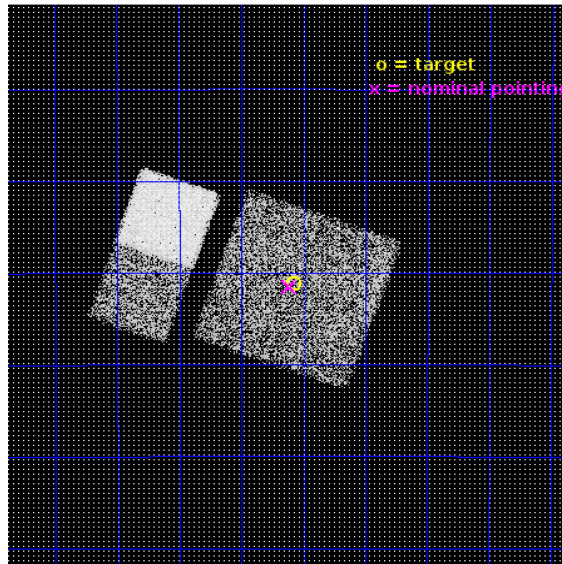
L2 Processing Date : Jun 20 2017

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1 Front

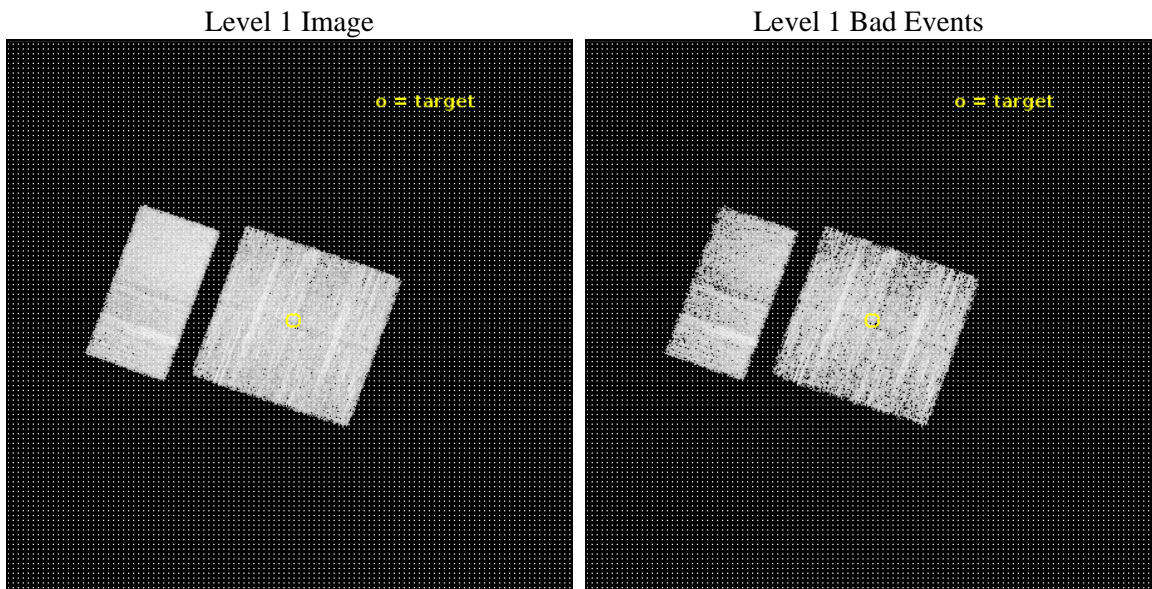
seq_num	401850	Sequence number
obs_id	18982	Observation id
title	The Nature of INTEGRAL Sources in the Galactic Plane	Proposal titl
observer	John Tomsick	Principal investigator
object	IGR J16482-2959	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	252.145	Observer's specified target RA [deg]
dec_targ	-30.019	Observer's specified target Dec [deg]
ra_nom	252.15299851138	Nominal RA [deg]
dec_nom	-30.025358851638	Nominal Dec [deg]
roll_nom	289.5684924297	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5040.0000751019	Sum of GTIs [s]
livetime	4976.1805594272	Livetime [s]
ontime0	5040.0000751019	Sum of GTIs [s]
ontime1	5040.0000751019	Sum of GTIs [s]
ontime2	5040.0000751019	Sum of GTIs [s]
ontime3	5040.0000751019	Sum of GTIs [s]
ontime6	5040.0000751019	Sum of GTIs [s]
ontime7	5040.0000751019	Sum of GTIs [s]
l2events	38208	Number of level 2 events



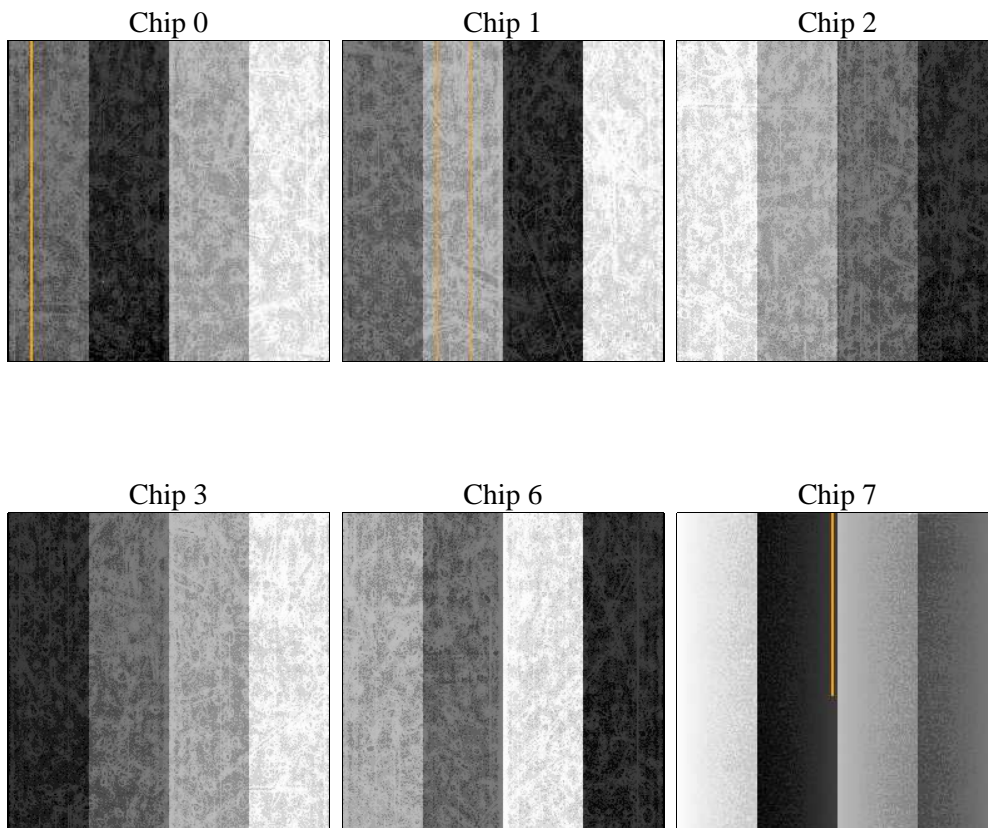
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5082.612000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	5040.0000751019	Sum of GTIs [s]
caldbver	4.7.5	 	ontime0	5040.0000751019	Sum of GTIs [s]
date	2017-06-20T23:04:31	Date and time of file creation	ontime1	5040.0000751019	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5040.0000751019	Sum of GTIs [s]
			ontime3	5040.0000751019	Sum of GTIs [s]
			ontime6	5040.0000751019	Sum of GTIs [s]
			ontime7	5040.0000751019	Sum of GTIs [s]
			l1events	221923	Number of level 1 events

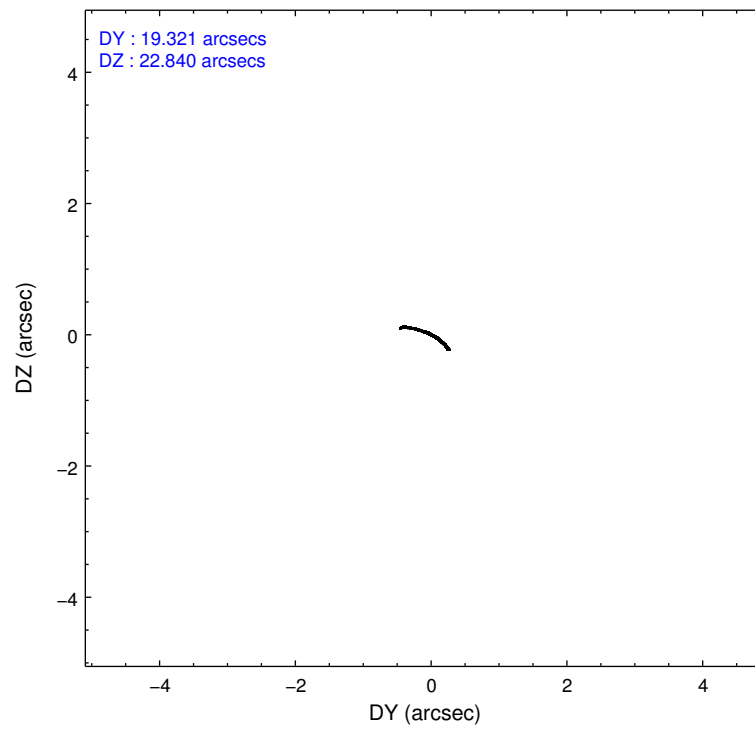
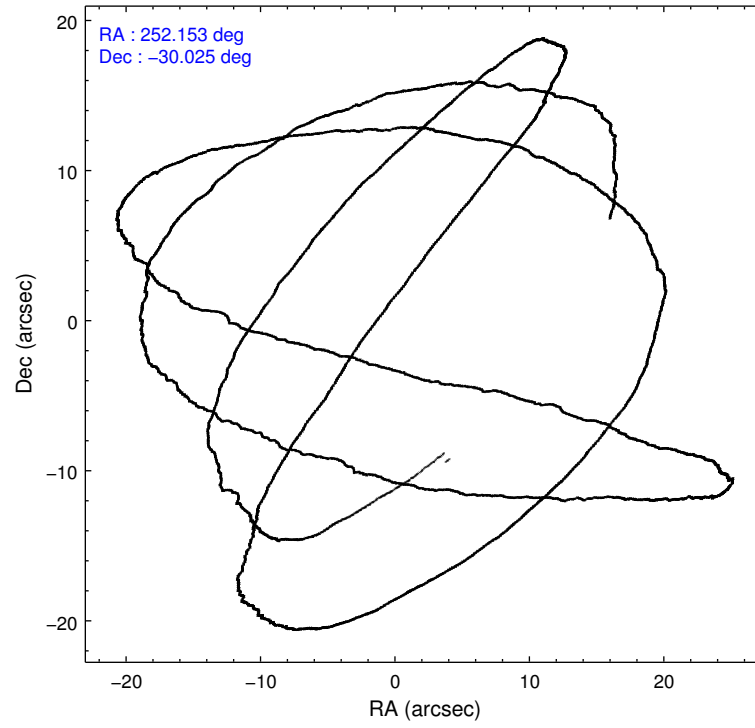
2.1.4 Events

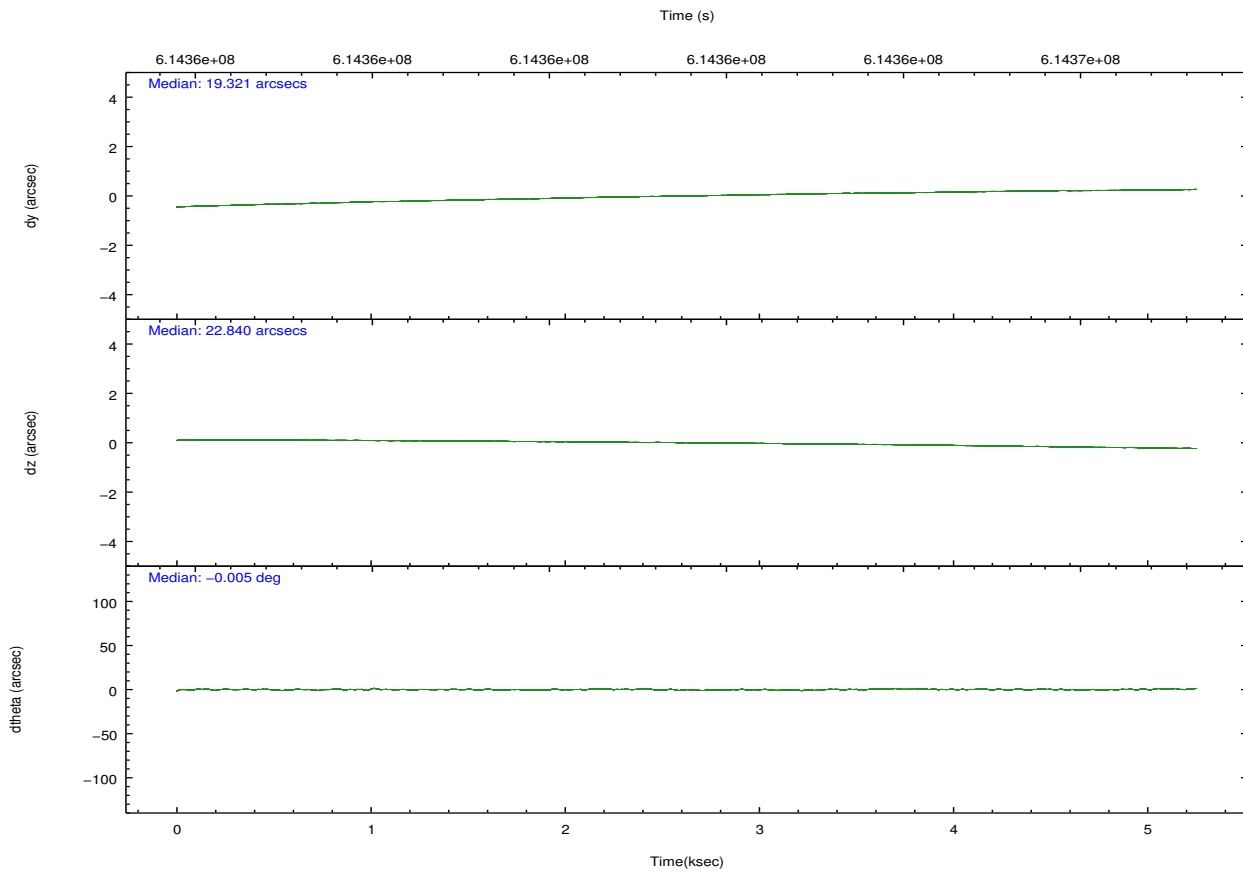
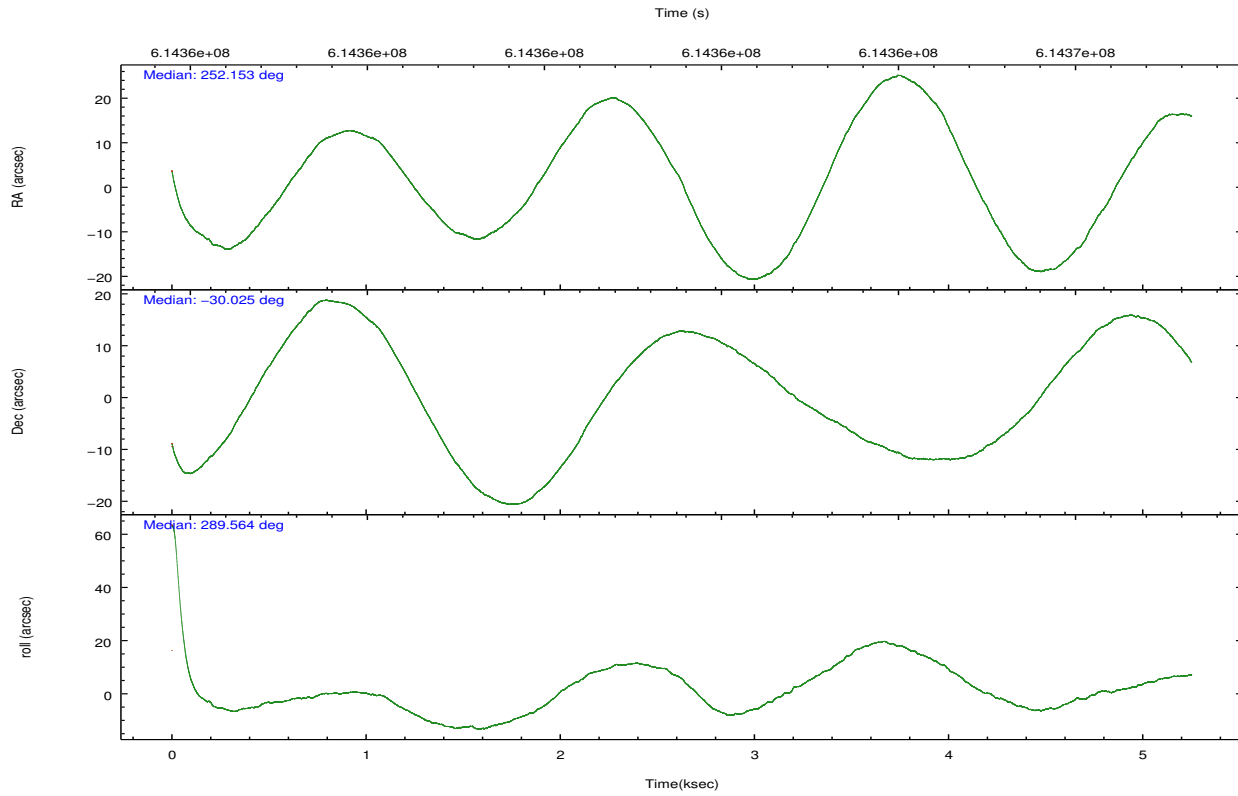
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33590	33909	35289	34902	37461	46772	grade 0 events	1347	1625	1474	1548	1505	1791
rejected events	29634	29318	31137	30796	33173	26113		4%	4%	4%	4%	4%	3%
rejected %	88%	86%	88%	88%	88%	55%	grade 1 events	18	18	21	19	19	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	1023	1136	1035	892	981	4288
								3%	3%	2%	2%	2%	9%
							grade 3 events	407	433	452	401	408	1709
								1%	1%	1%	1%	1%	3%
							grade 4 events	379	431	434	403	423	1754
								1%	1%	1%	1%	1%	3%
							grade 5 events	1569	1666	1522	1791	1779	4781
								4%	4%	4%	5%	4%	10%
							grade 6 events	806	969	764	865	972	11131
								2%	2%	2%	2%	2%	23%
							grade 7 events	28041	27631	29587	28983	31374	21247
								83%	81%	83%	83%	83%	45%

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	252.128835	252.1529985113793	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.007934	-30.02535885163847	CCD I3 on	Y	Y
[deg] Pointing Roll	289.347543	289.5684924297043	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	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	614361332.184000	614360145.44417	CCD S5 on	N	N
Observation start date	2017-06-20T15:54:23	2017-06-20T15:35:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	614366415.184000	614366650.6070499	On-chip summing requested	N	N
Observation end date	2017-06-20T17:19:06	2017-06-20T17:24:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





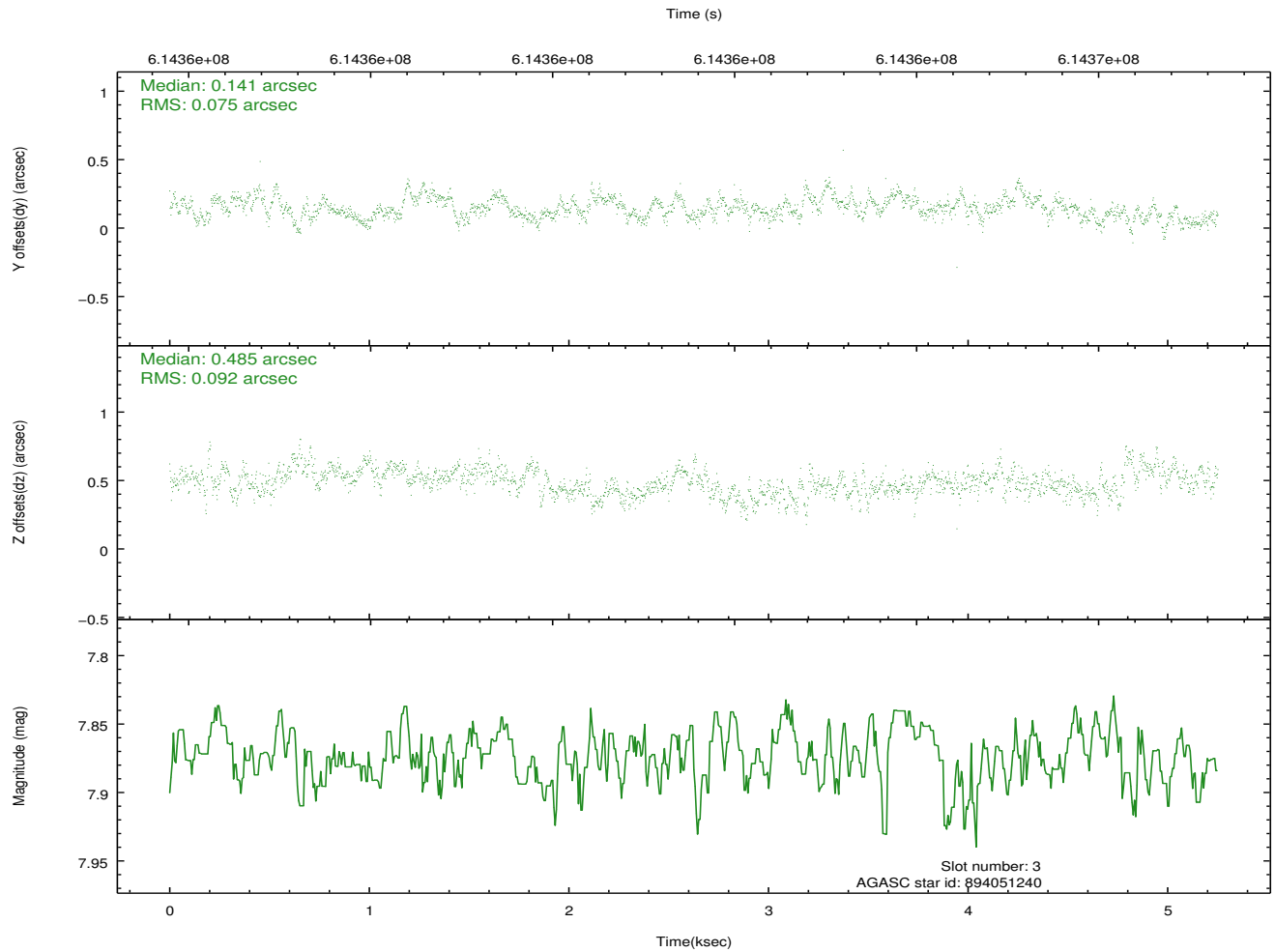
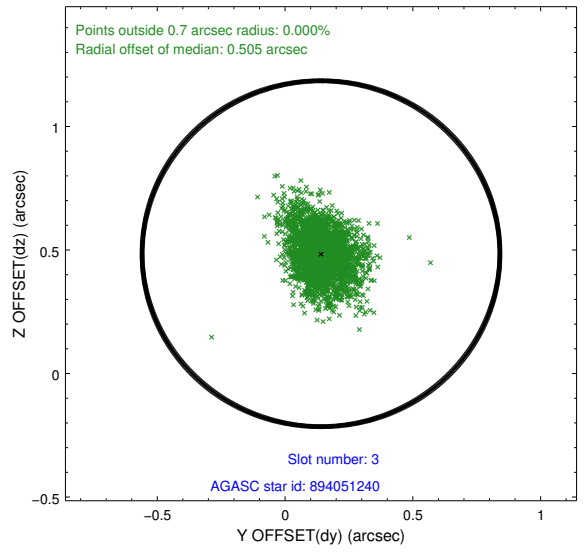
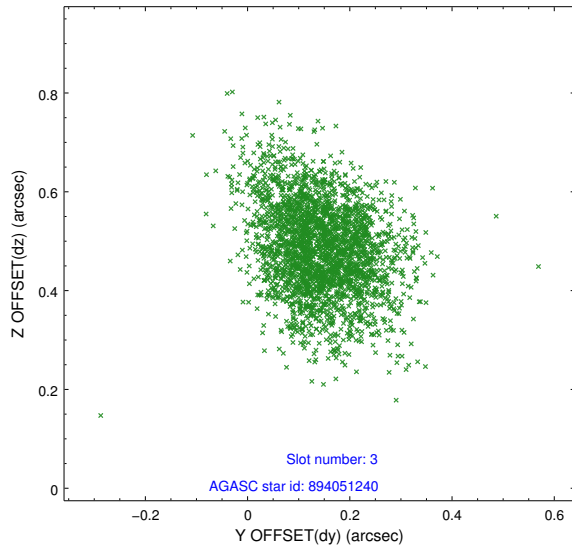
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.12	1282	0.062	-0.000	0.009	0.017	0.000000	0.000000	920.16	-846.58
1	FID		ACIS-I-5	7.10	1282	-0.367	0.027	0.008	0.014	0.000000	0.000000	-1827.86	1050.20
2	FID		ACIS-I-6	7.12	1282	0.214	0.045	0.008	0.015	0.000000	0.000000	384.45	1696.15
3	GUIDE	used	894051240	7.87	2559	0.141	0.485	0.121	0.208	251.769273	-29.593647	-1775.98	-567.65
4	GUIDE	used	894060312	8.18	2561	0.232	-0.078	0.101	0.171	252.197234	-29.977664	-30.66	237.15
5	GUIDE	used	962855576	8.08	2563	0.187	0.314	0.118	0.202	251.656291	-30.621206	1603.24	-2113.14
6	GUIDE	used	964563624	8.49	2563	-0.370	-0.306	0.127	0.207	252.835225	-30.080837	985.40	1985.67
7	GUIDE	used	964565496	8.68	2558	-0.188	-0.409	0.126	0.215	252.950504	-30.373336	2097.34	1969.73

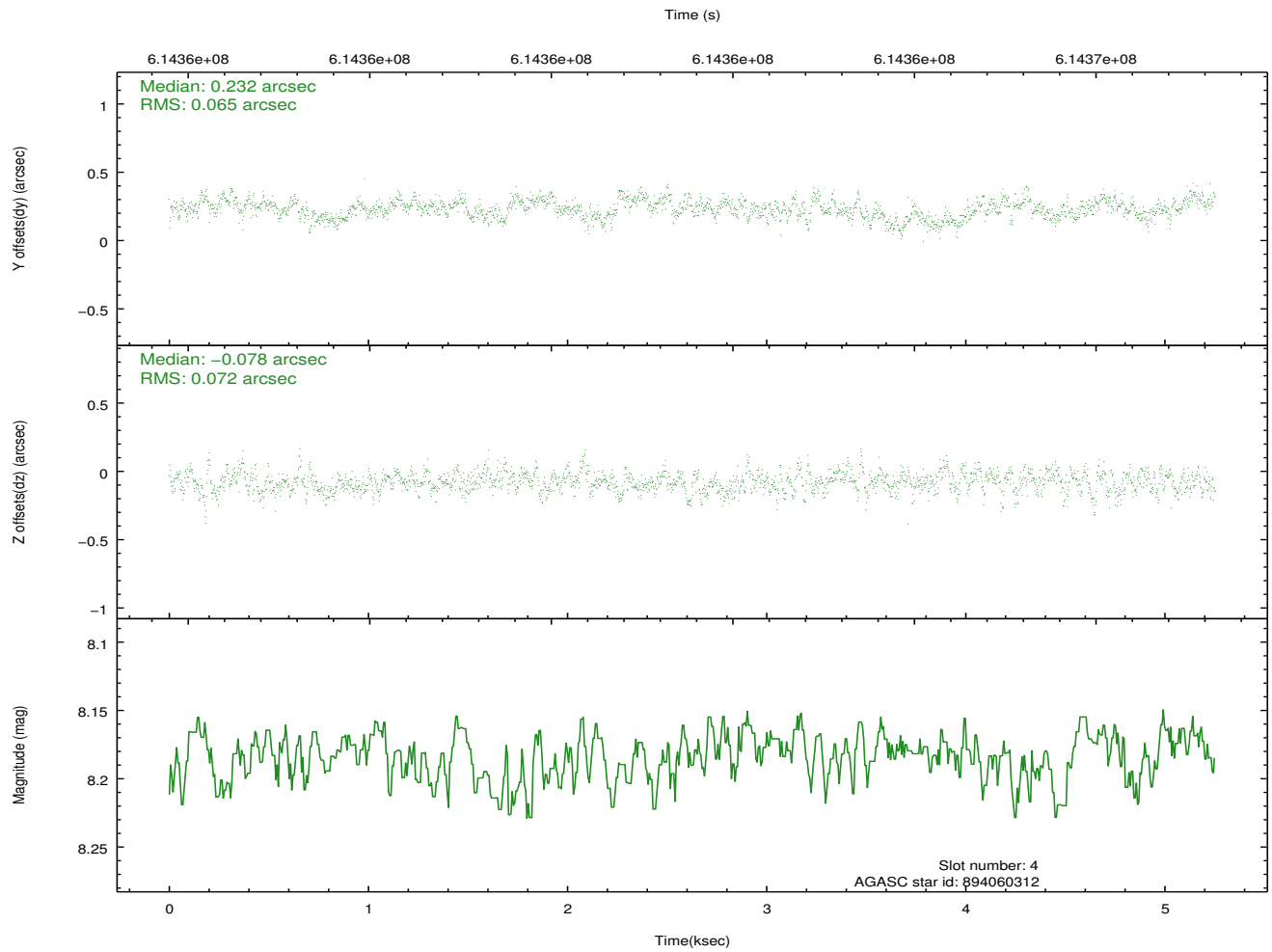
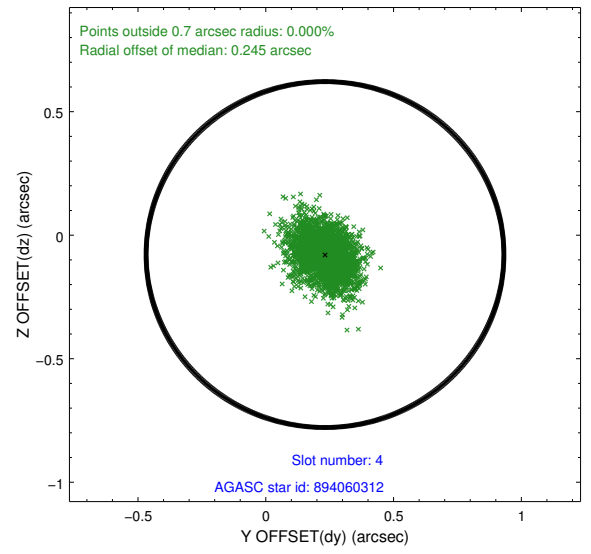
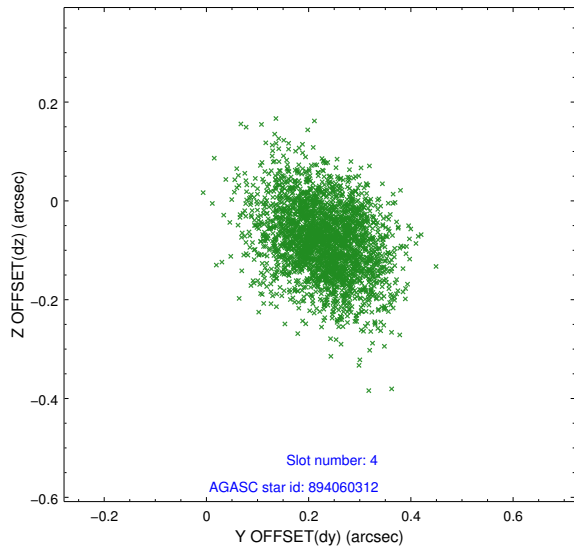
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2.4 Star Slots

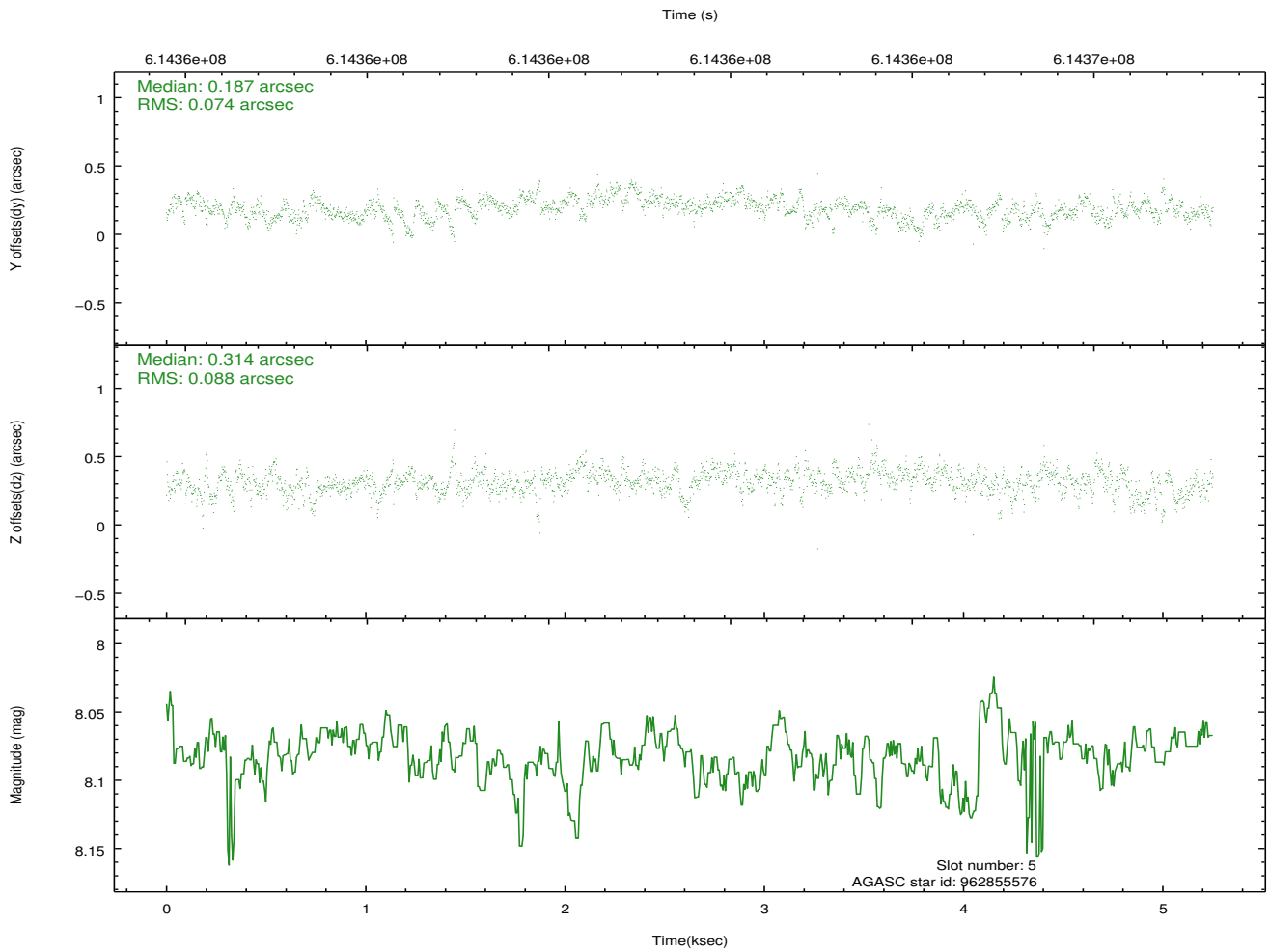
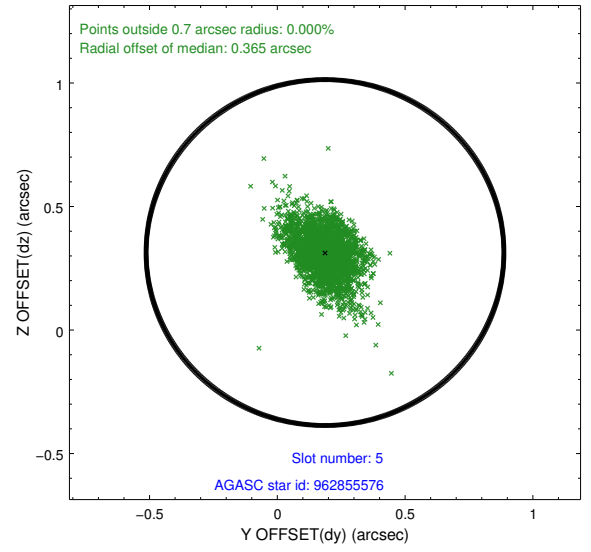
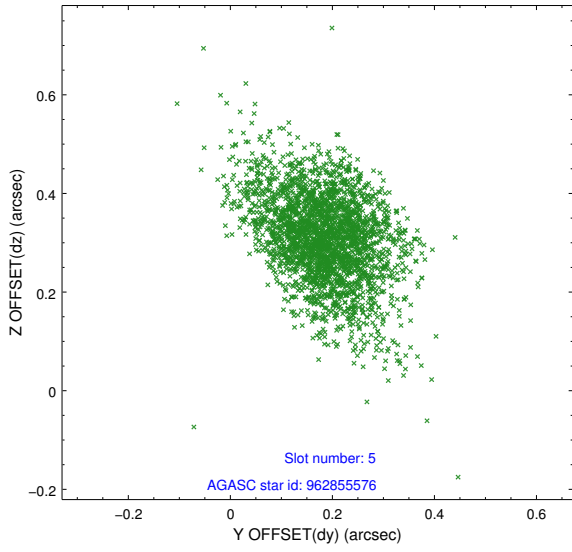
2.4.1 Slot 3



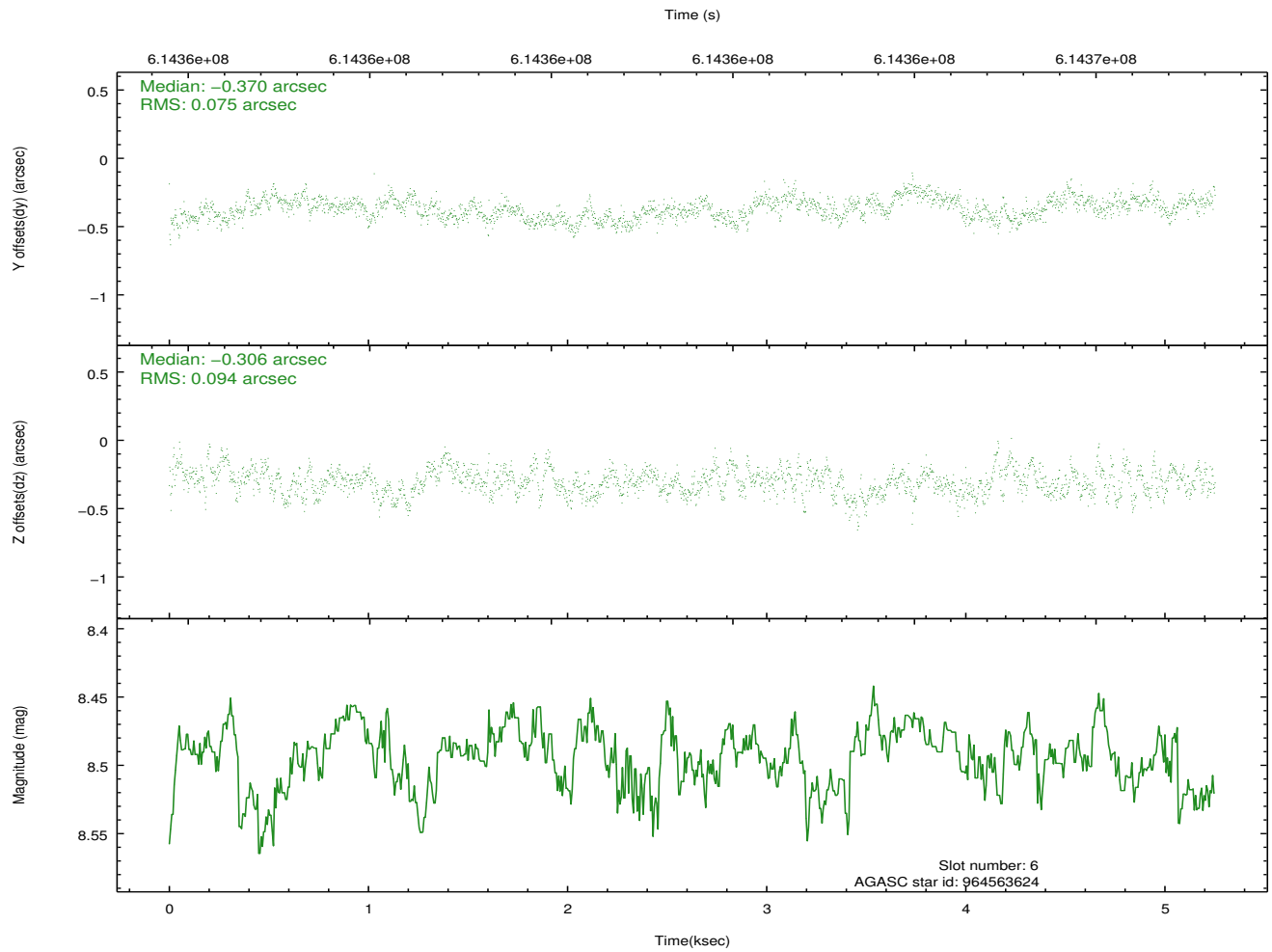
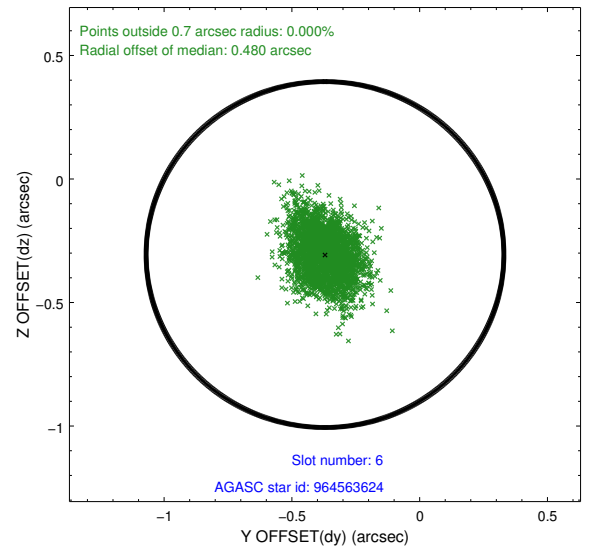
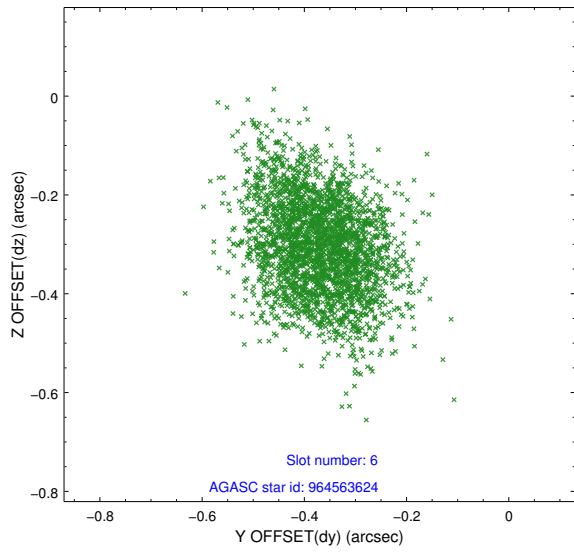
2.4.2 Slot 4



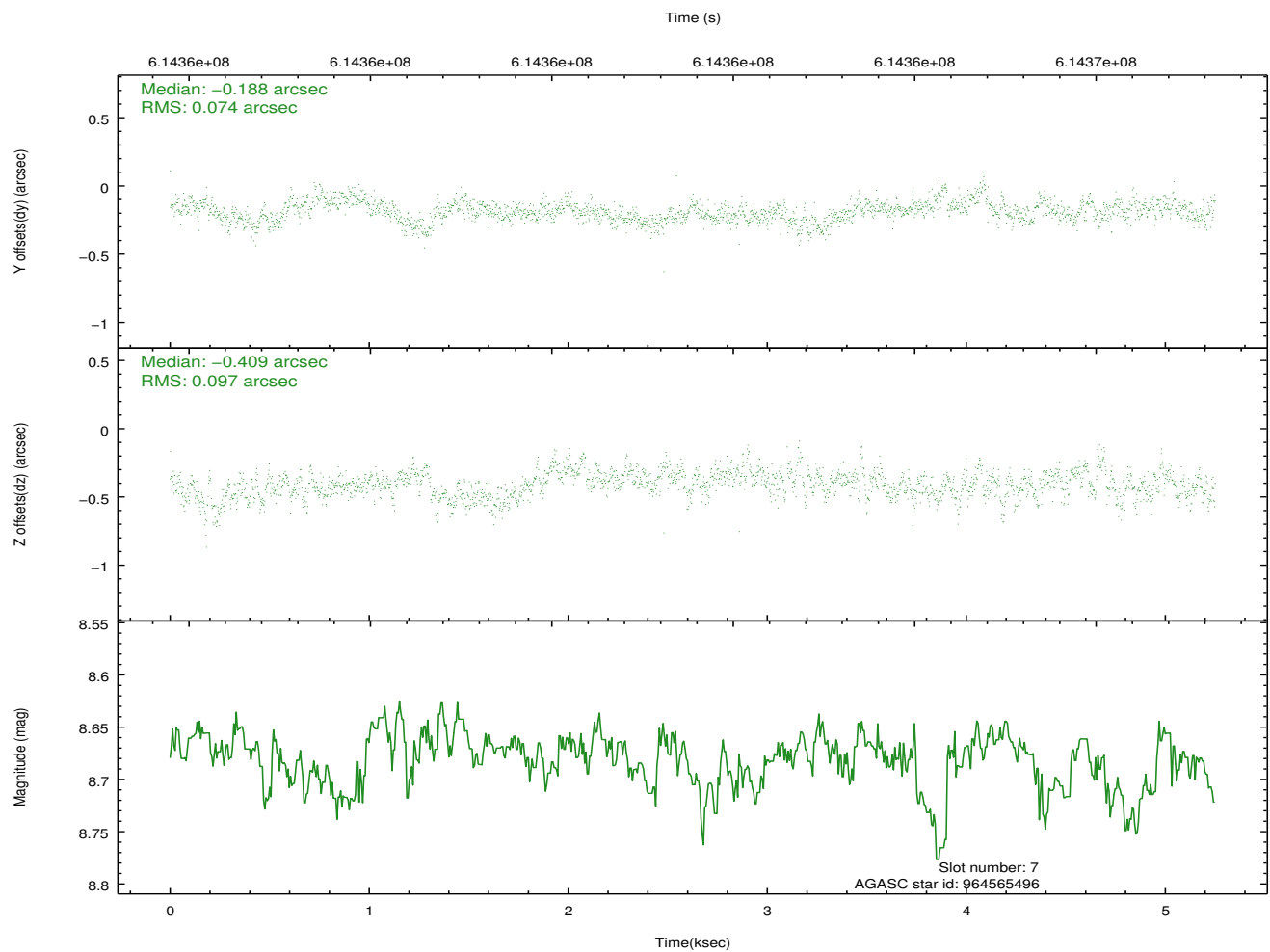
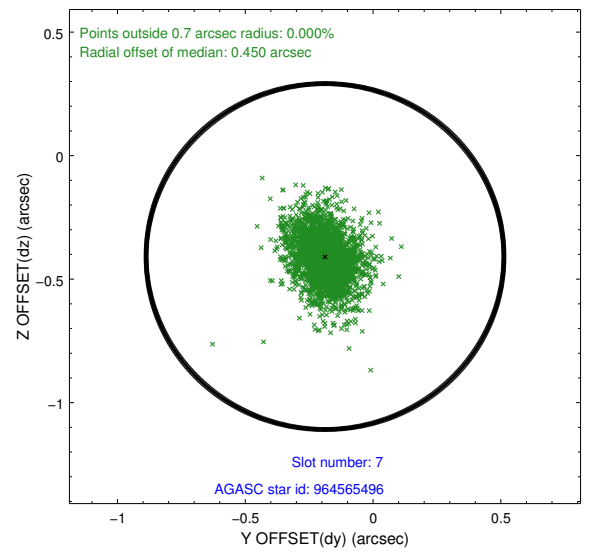
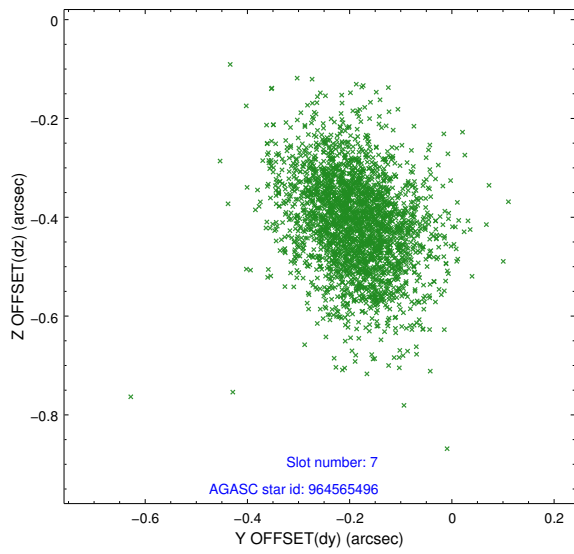
2.4.3 Slot 5



2.4.4 Slot 6

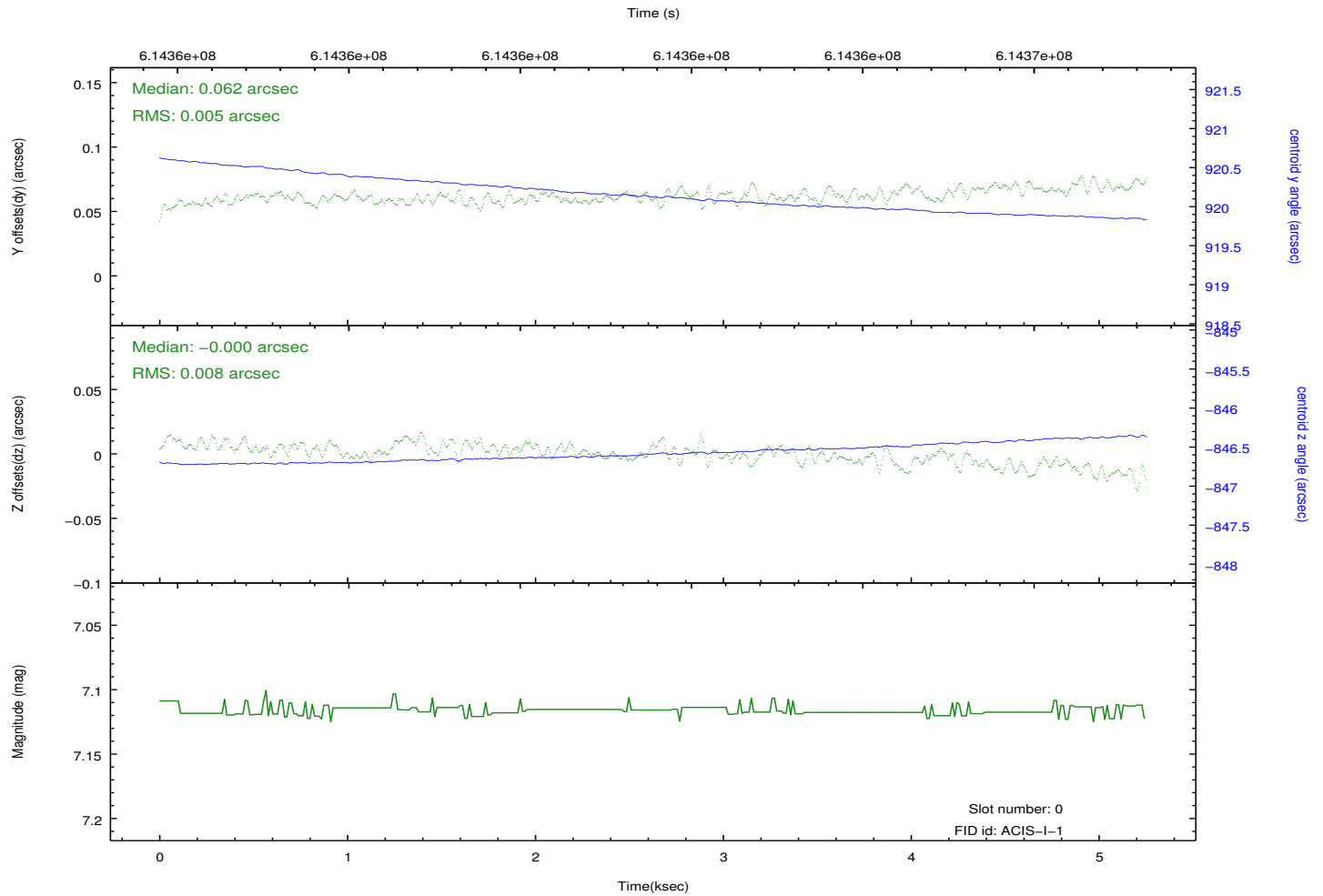
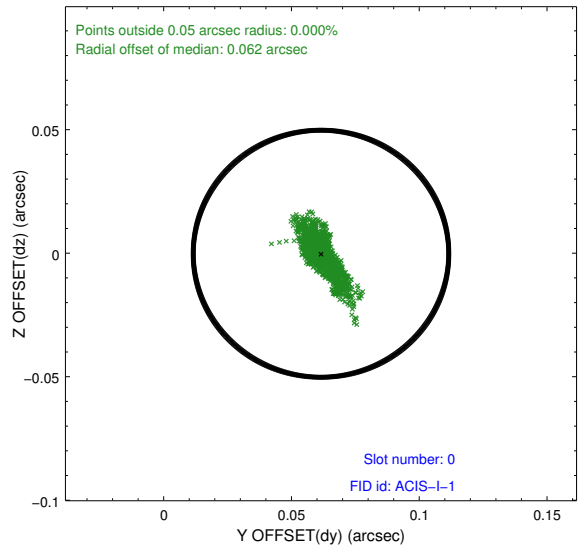
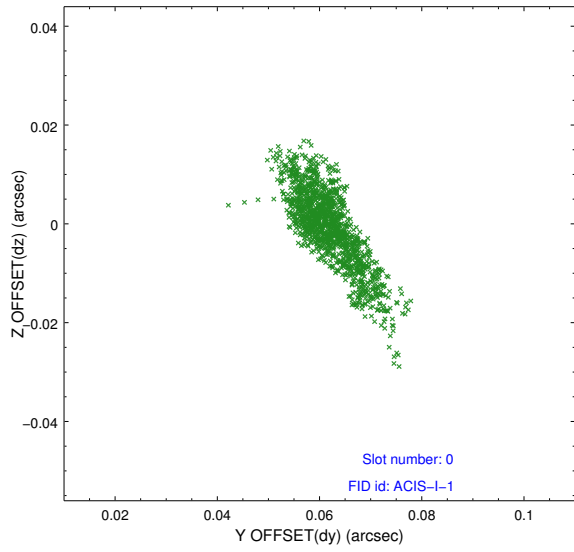


2.4.5 Slot 7

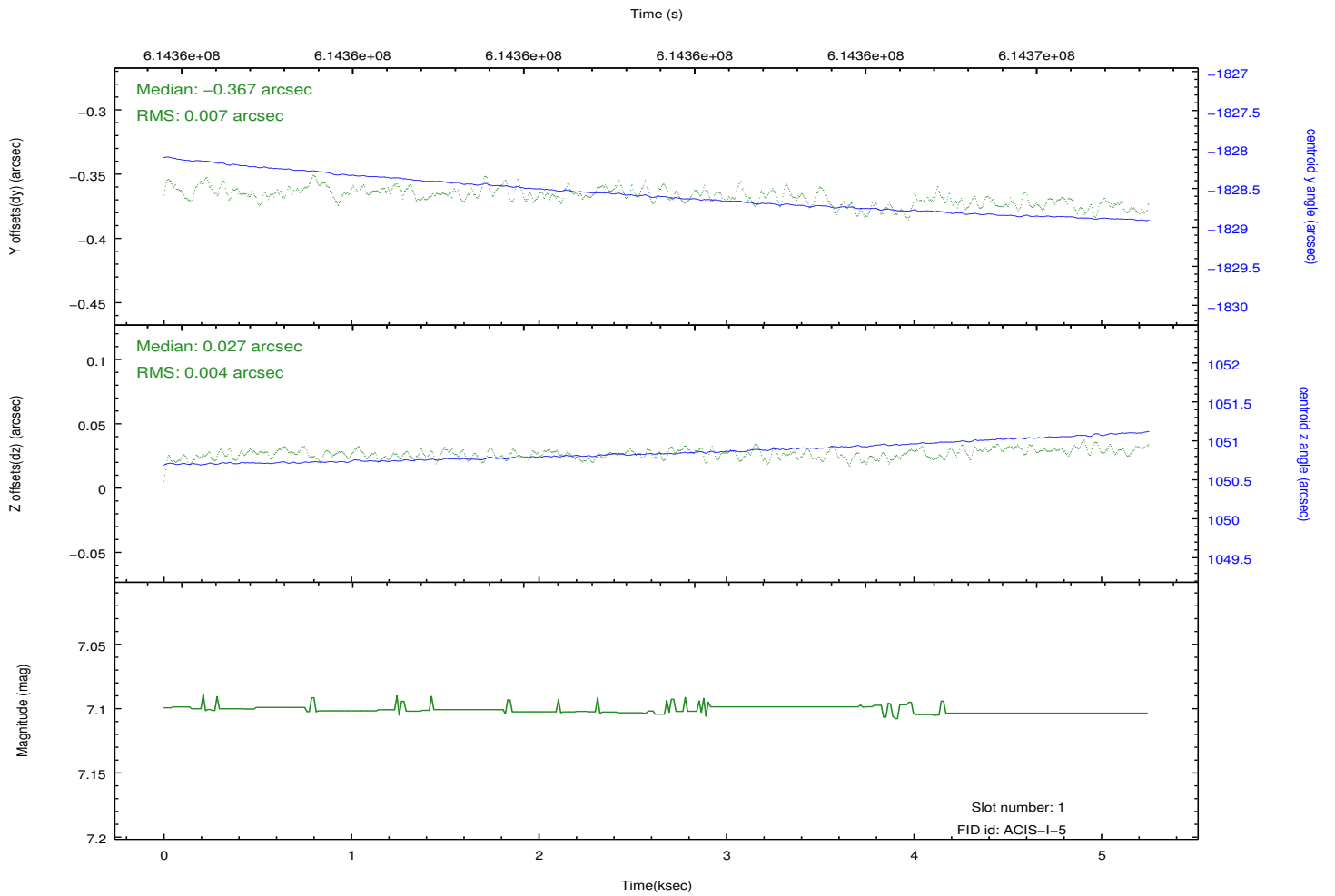
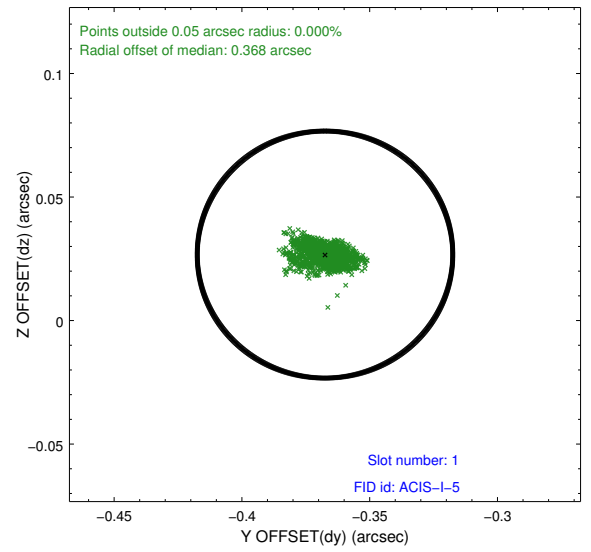
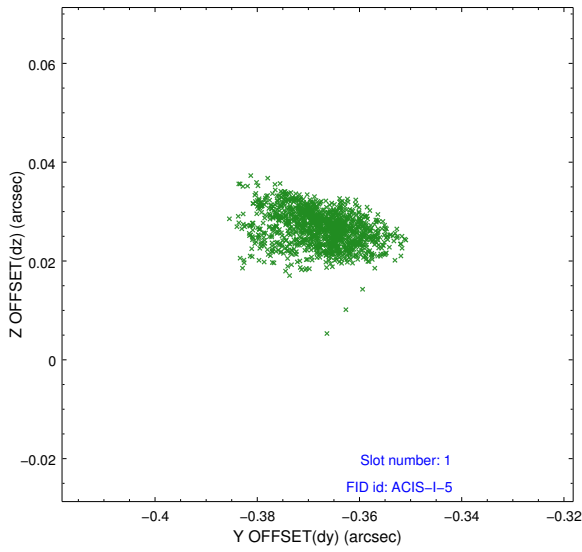


2.5 FID Slots

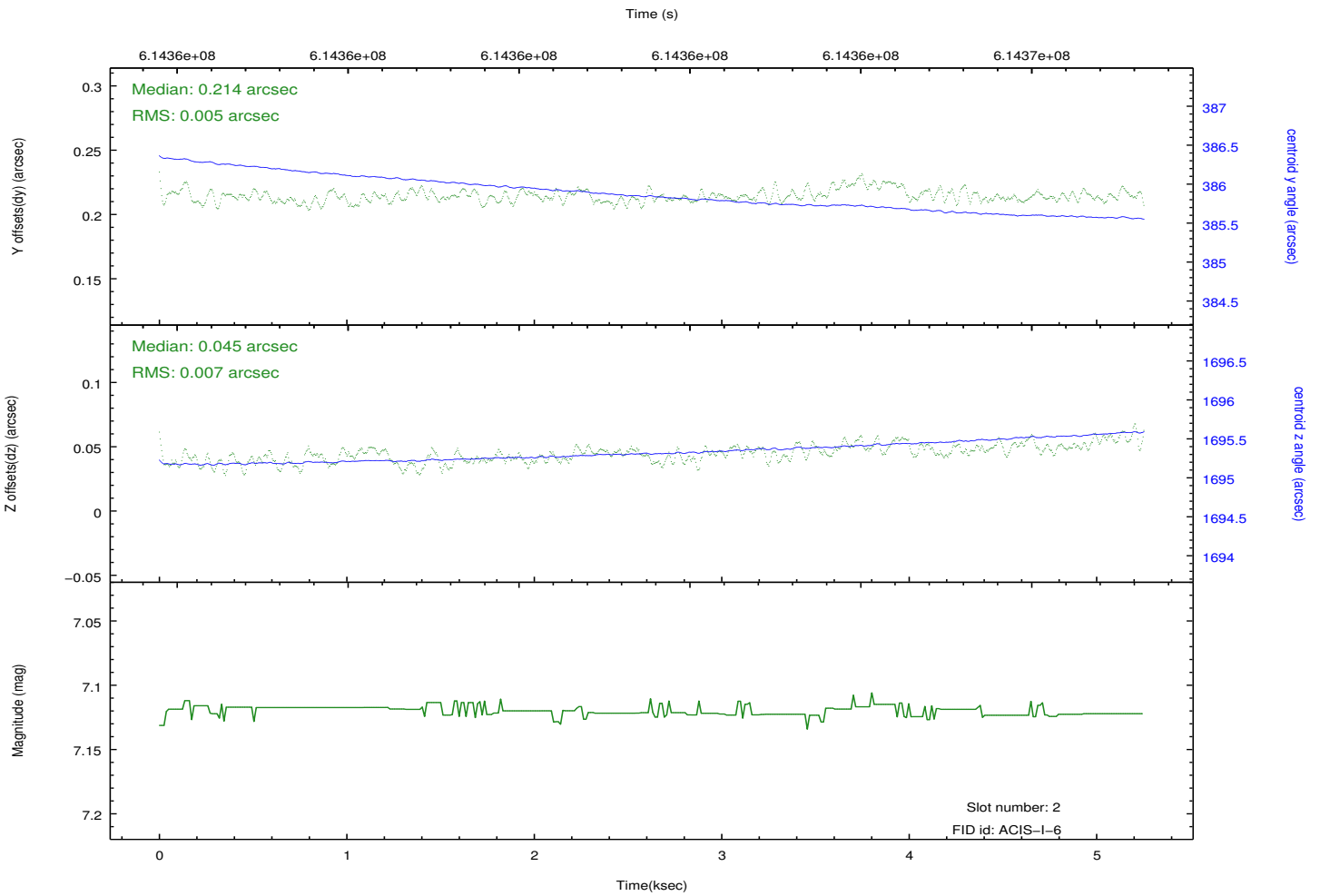
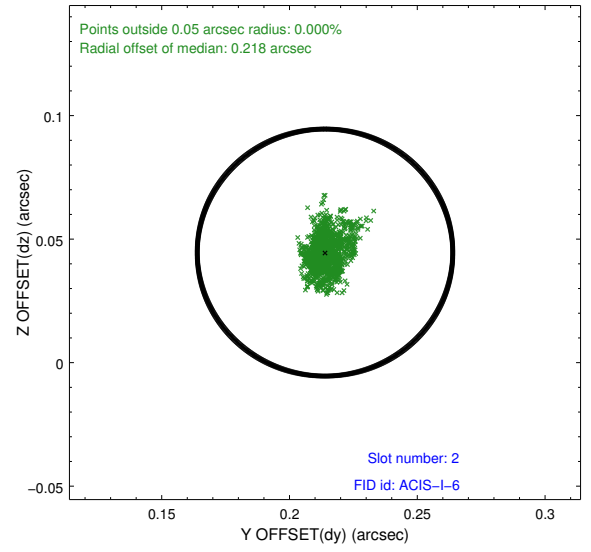
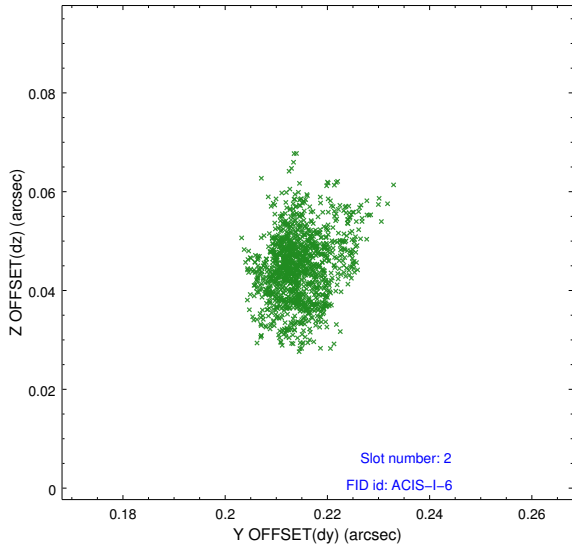
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0400000751019

A.2 Comments