

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 17863 - L2 Version 1
Chandra X-Ray Center

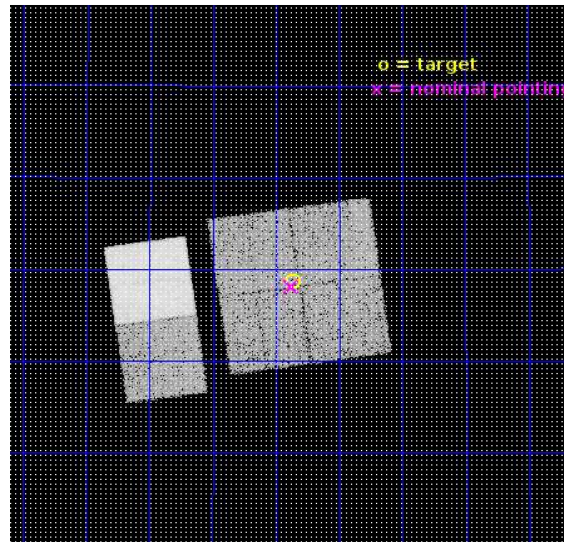
L2 Processing Date : Jun 4 2017

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1 Front

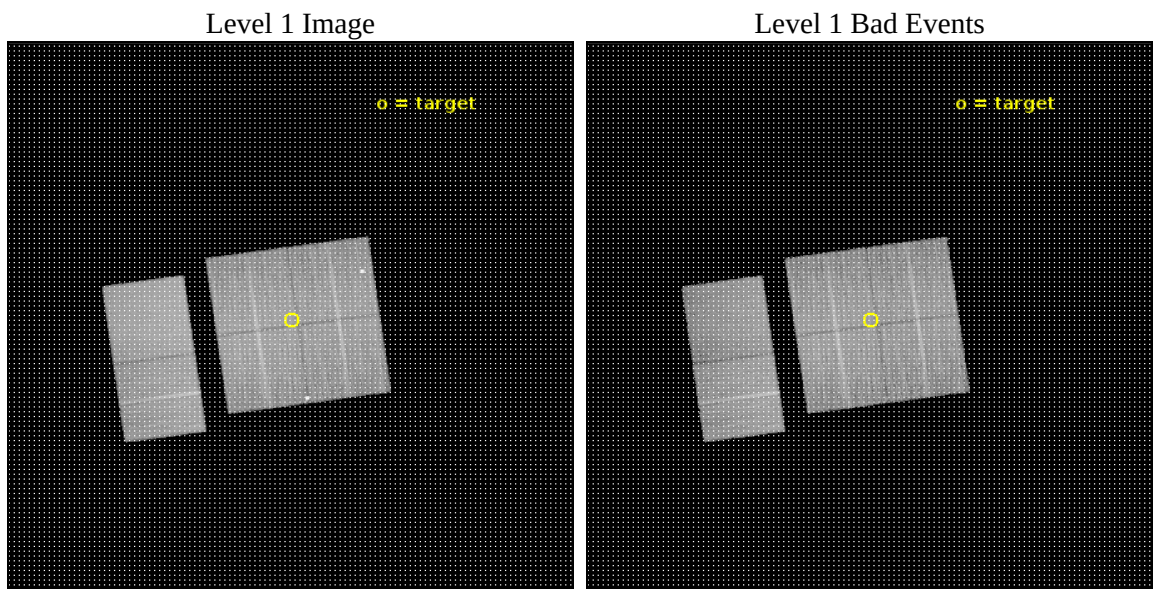
seq_num	401795	Sequence number
obs_id	17863	Observation id
title	X-ray Observations of New Gamma-Ray Bright Galactic Compact Binaries	
observer	Jay Strader	Principal investigator
object	2FGL J0846.0+2820	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	131.59125	Observer's specified target RA [deg]
dec_targ	28.144722	Observer's specified target Dec [deg]
ra_nom	131.59432986894	Nominal RA [deg]
dec_nom	28.135048806763	Nominal Dec [deg]
roll_nom	262.01762532291	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19954.837097645	Sum of GTIs [s]
livetime	19702.156934954	Livetime [s]
ontime0	19954.713977695	Sum of GTIs [s]
ontime1	19954.755017638	Sum of GTIs [s]
ontime2	19954.796057701	Sum of GTIs [s]
ontime3	19954.837097645	Sum of GTIs [s]
ontime6	19951.678197384	Sum of GTIs [s]
ontime7	19954.878137708	Sum of GTIs [s]
l2events	140308	Number of level 2 events



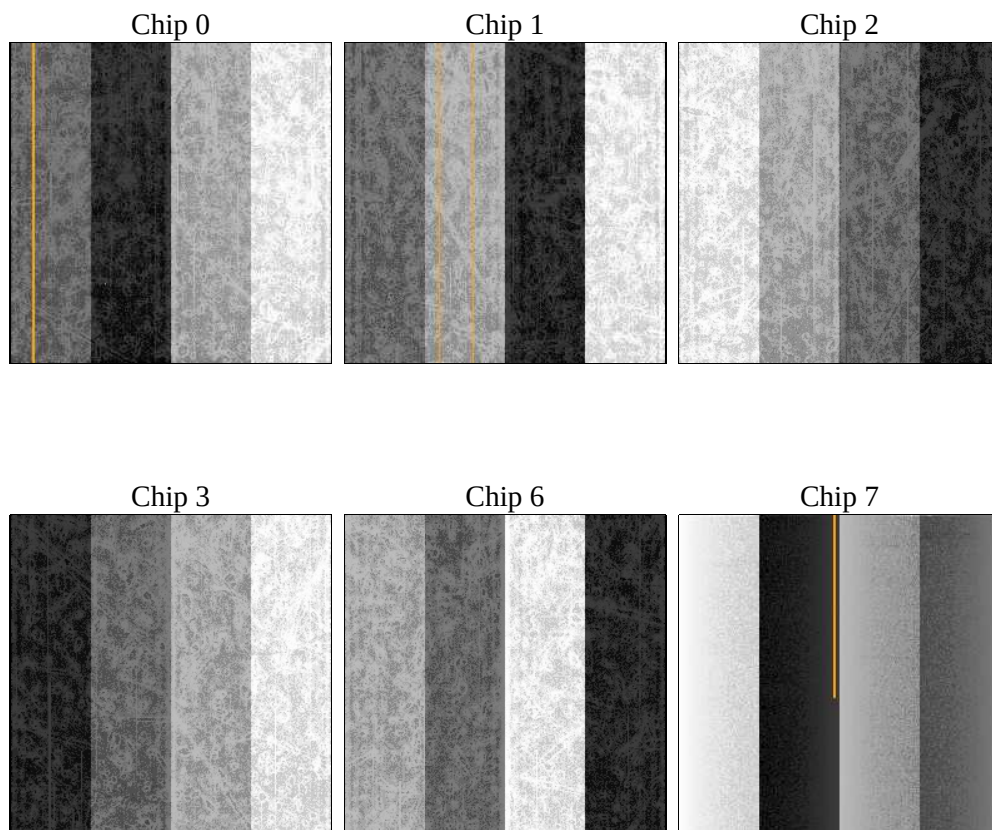
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	19954.837097645	Sum of GTIs [s]
caldsver	4.7.4	 	ontime0	19954.713977695	Sum of GTIs [s]
date	2017-06-04T13:40:28	Date and time of file creation	ontime1	19954.755017638	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	19954.796057701	Sum of GTIs [s]
			ontime3	19954.837097645	Sum of GTIs [s]
			ontime6	19951.678197384	Sum of GTIs [s]
			ontime7	19954.878137708	Sum of GTIs [s]
			l1events	890743	Number of level 1 events

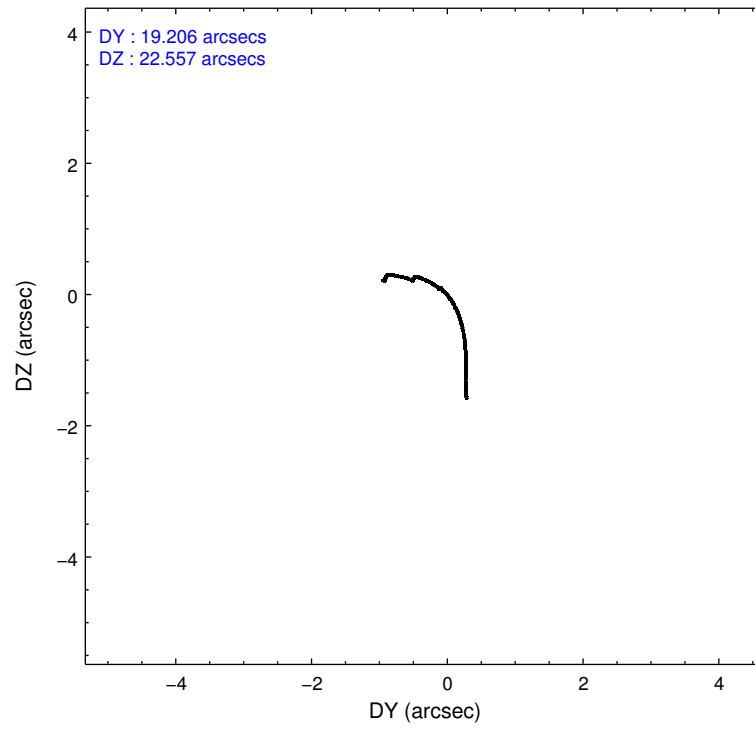
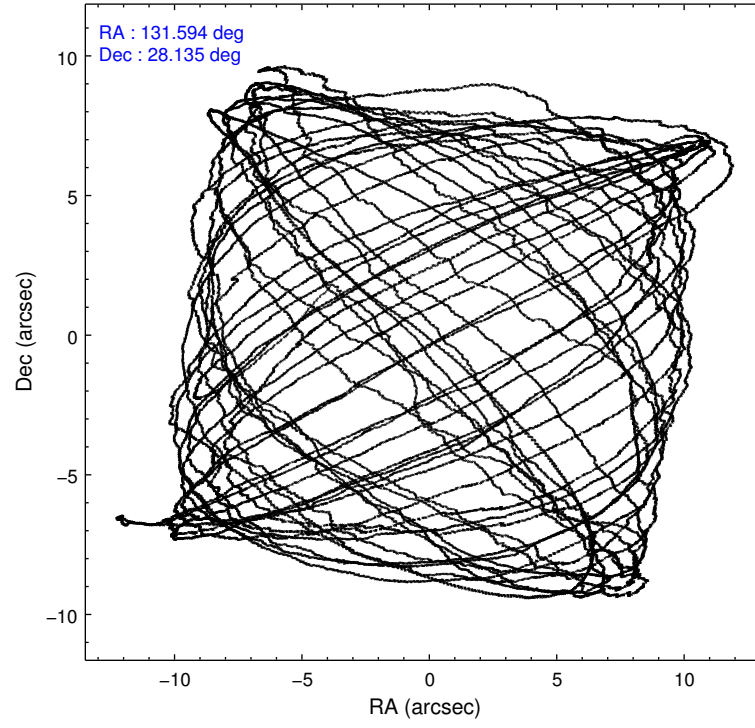
2.1.4 Events

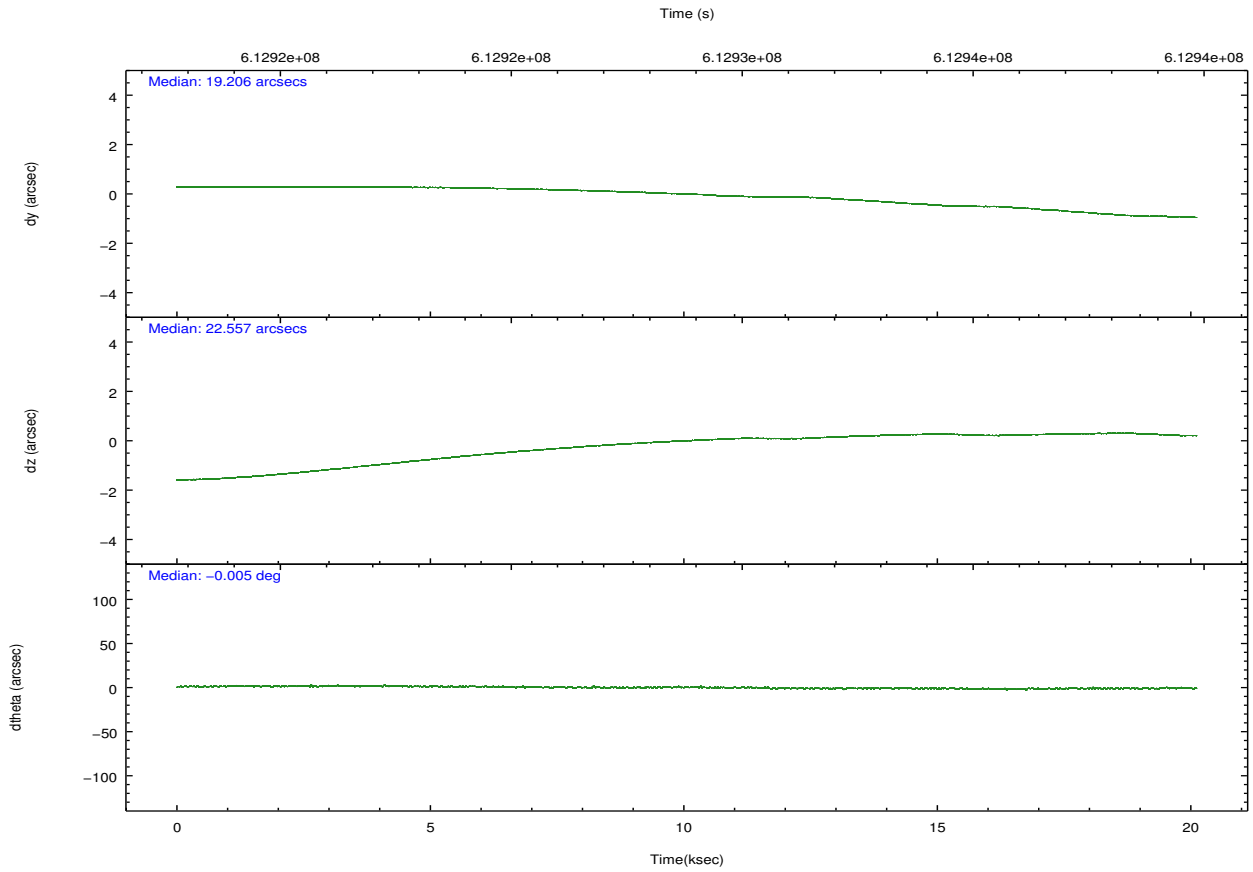
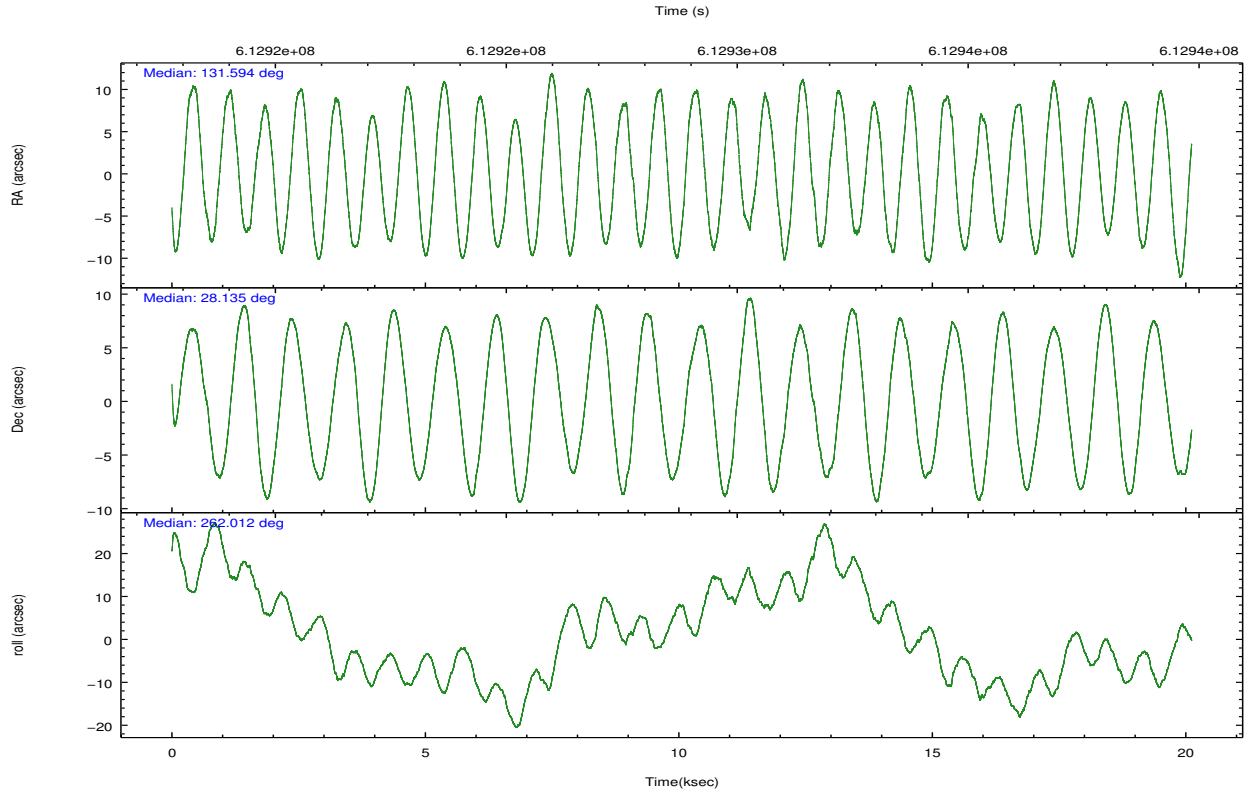
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	132287	135347	152559	138492	150828	181230	grade 0 events	5090	10374	5291	5068	4983	6152
rejected events	117294	113512	131898	124091	134908	103874		3%	7%	3%	3%	3%	3%
rejected %	88%	83%	86%	89%	89%	57%	grade 1 events	78	81	62	59	65	278
								0%	0%	0%	0%	0%	0%
							grade 2 events	3820	4445	9523	3100	3923	16731
								2%	3%	6%	2%	2%	9%
							grade 3 events	1519	1556	1472	1531	1473	5708
								1%	1%	0%	1%	0%	3%
							grade 4 events	1390	1582	1487	1532	1522	5685
								1%	1%	0%	1%	1%	3%
							grade 5 events	5536	5932	5270	6625	6396	17077
								4%	4%	3%	4%	4%	9%
							grade 6 events	3178	3879	2892	3170	4022	43090
								2%	2%	1%	2%	2%	23%
							grade 7 events	111676	107498	126562	117407	128444	86509
								84%	79%	82%	84%	85%	47%

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	131.582521	131.594329868943	CCD I2 on	Y	Y
[deg] Pointing Dec	28.160605	28.13504880676262	CCD I3 on	Y	Y
[deg] Pointing Roll	261.814520	262.0176253229143	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)	612918861.184000	612917619.29767	CCD S5 on	N	N
Observation start date	2017-06-03T23:13:12	2017-06-03T22:53:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	612938861.184000	612939860.77397	On-chip summing requested	N	N
Observation end date	2017-06-04T04:46:32	2017-06-04T05:04:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



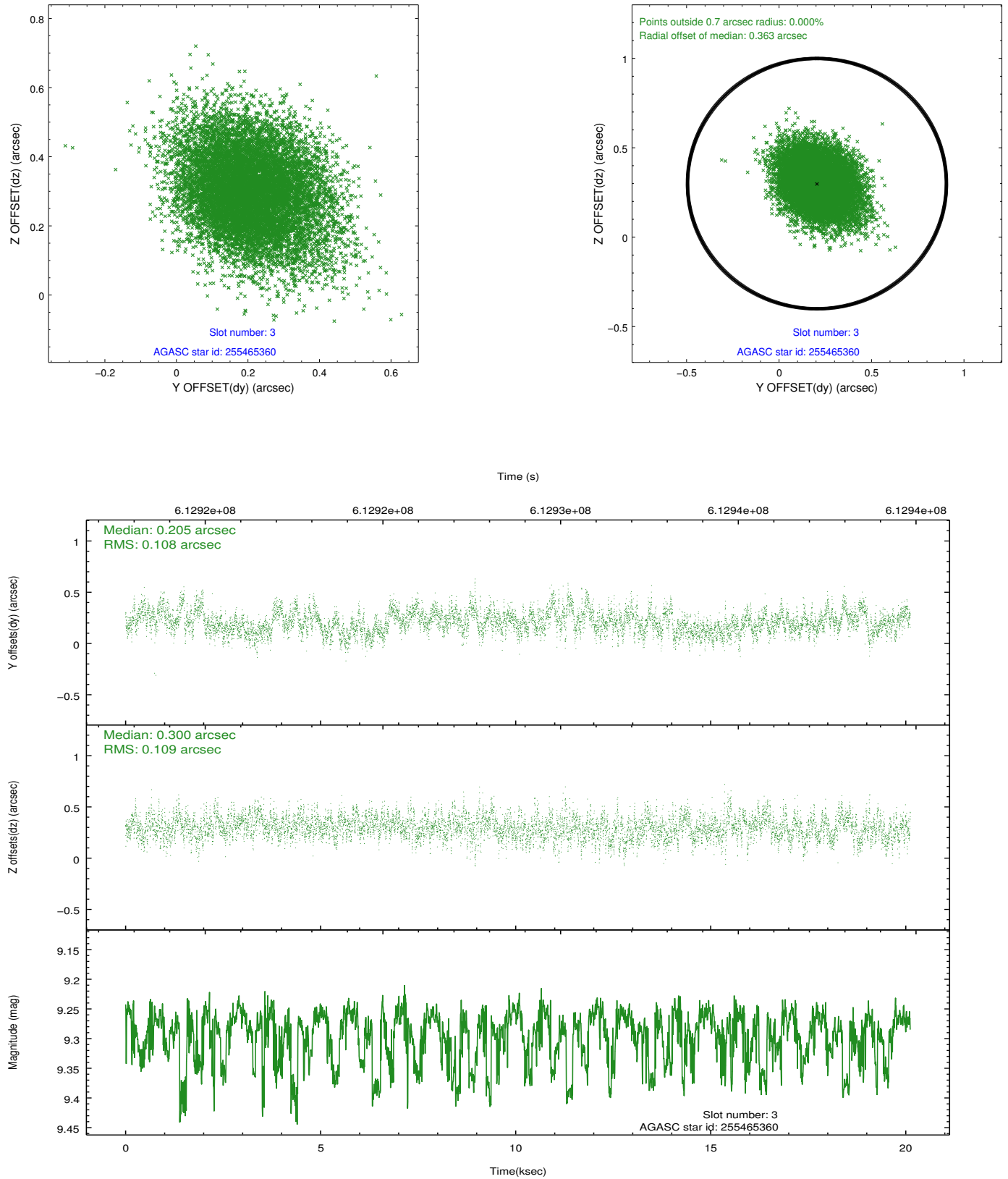


Slot Statistics

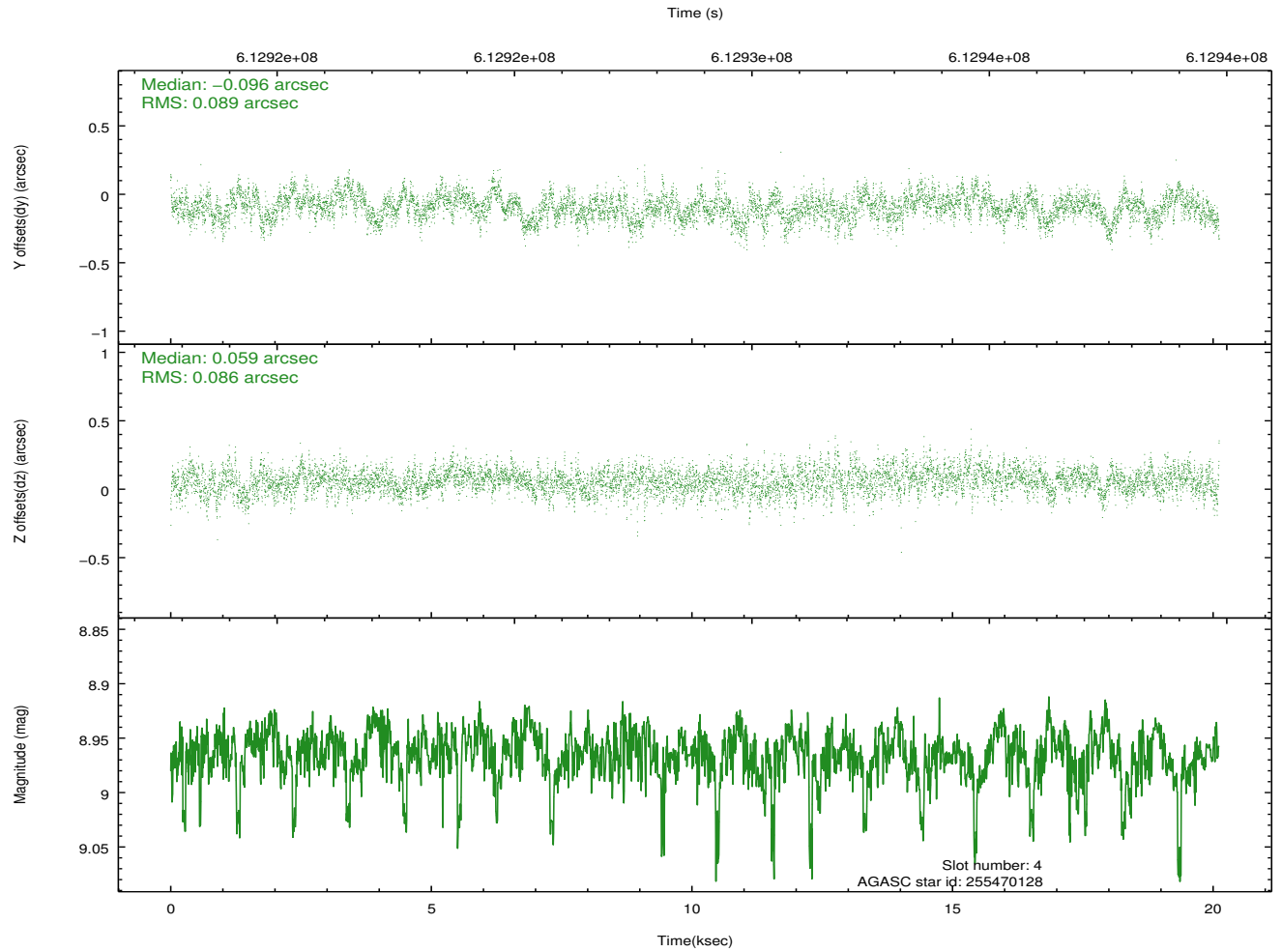
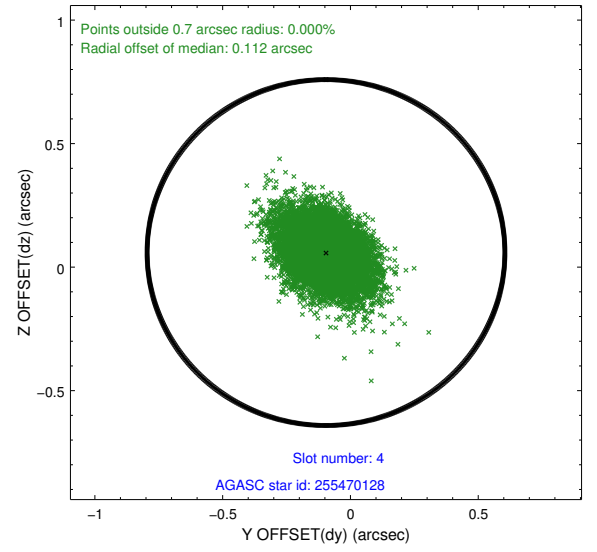
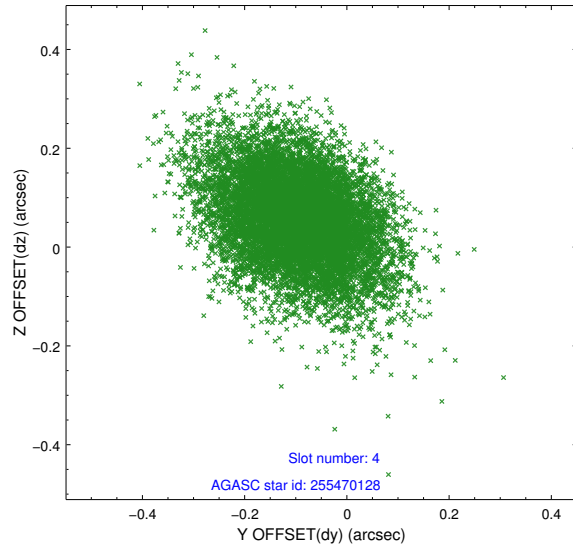
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	4907	0.073	-0.020	0.034	0.067	0.000000	0.000000	920.38	-846.04
1	FID		ACIS-I-5	7.23	4906	-0.383	0.027	0.018	0.028	0.000000	0.000000	-1828.19	1051.27
2	FID		ACIS-I-6	7.25	4907	0.219	0.061	0.028	0.076	0.000000	0.000000	385.73	1696.14
3	GUIDE	used	255465360	9.29	9801	0.205	0.300	0.162	0.269	131.272656	28.616462	-1484.88	-1203.32
4	GUIDE	used	255470128	8.97	9803	-0.096	0.059	0.129	0.218	132.159707	28.612428	-1874.33	1573.25
5	GUIDE	used	255474872	8.86	9802	0.143	-0.091	0.148	0.259	131.975861	27.980633	461.37	1330.38
6	GUIDE	used	255475328	6.70	9814	-0.171	-0.193	0.133	0.236	131.780360	28.161800	-92.98	620.81
7	GUIDE	used	255468096	8.30	9804	-0.090	-0.070	0.119	0.202	132.016255	28.745400	-2281.10	1055.36

2.4 Star Slots

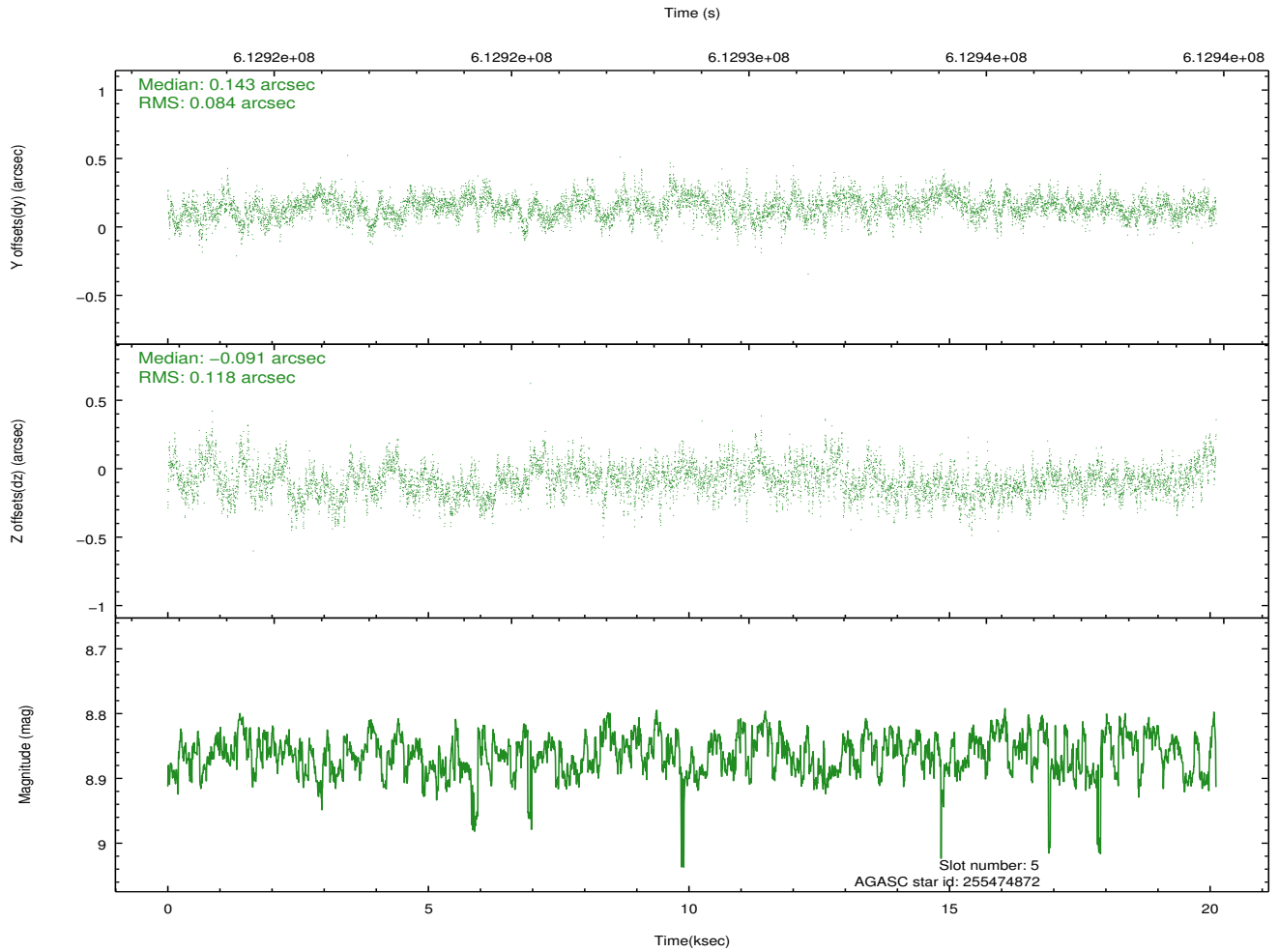
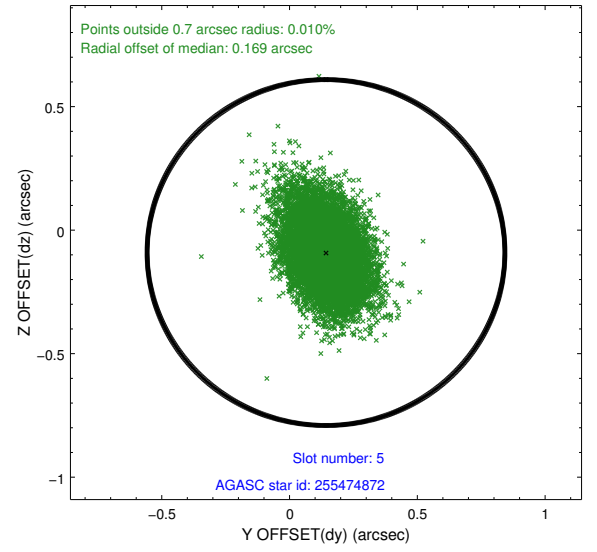
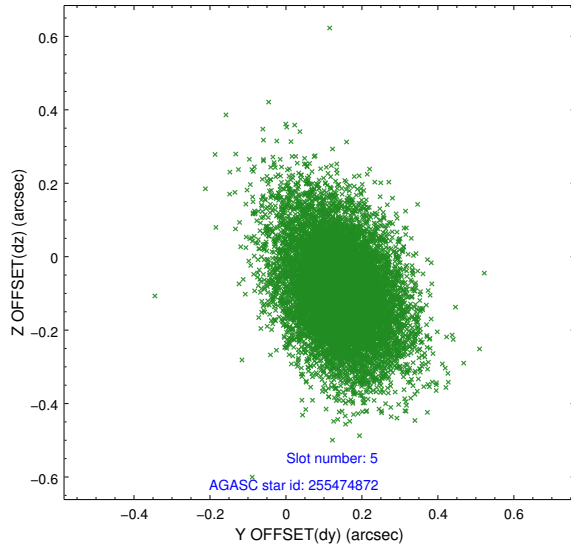
2.4.1 Slot 3



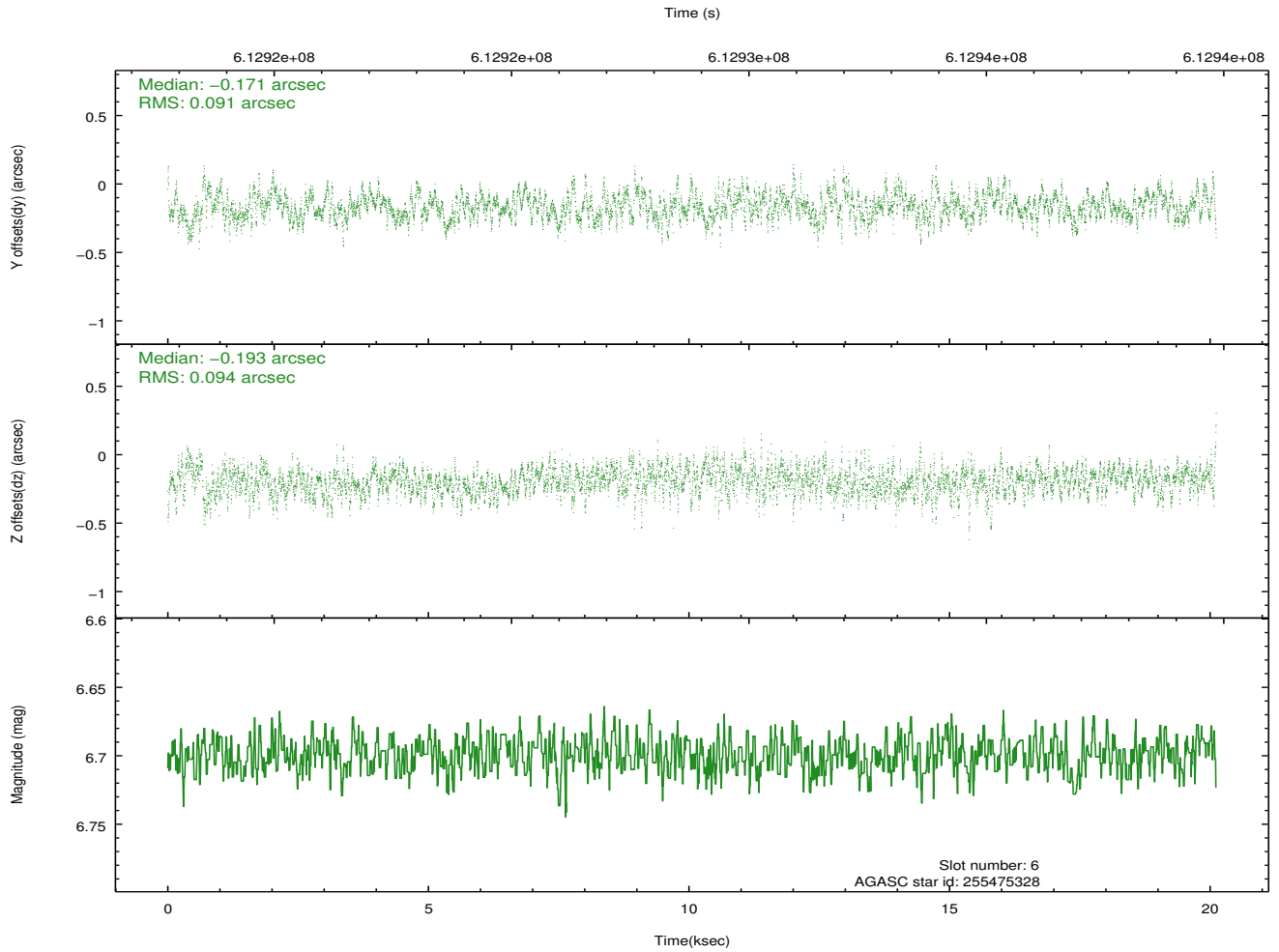
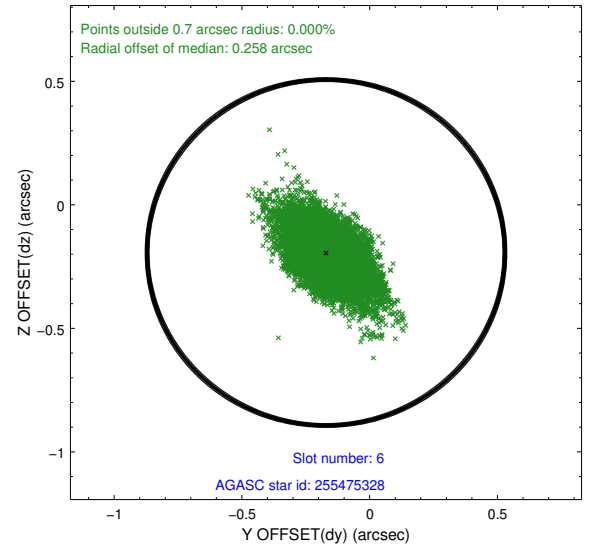
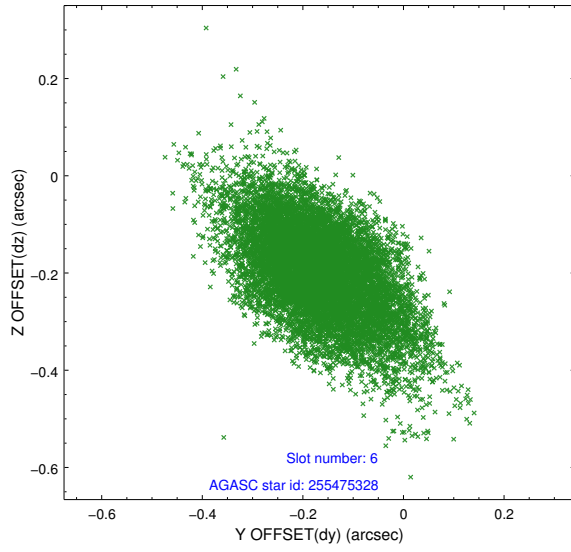
2.4.2 Slot 4



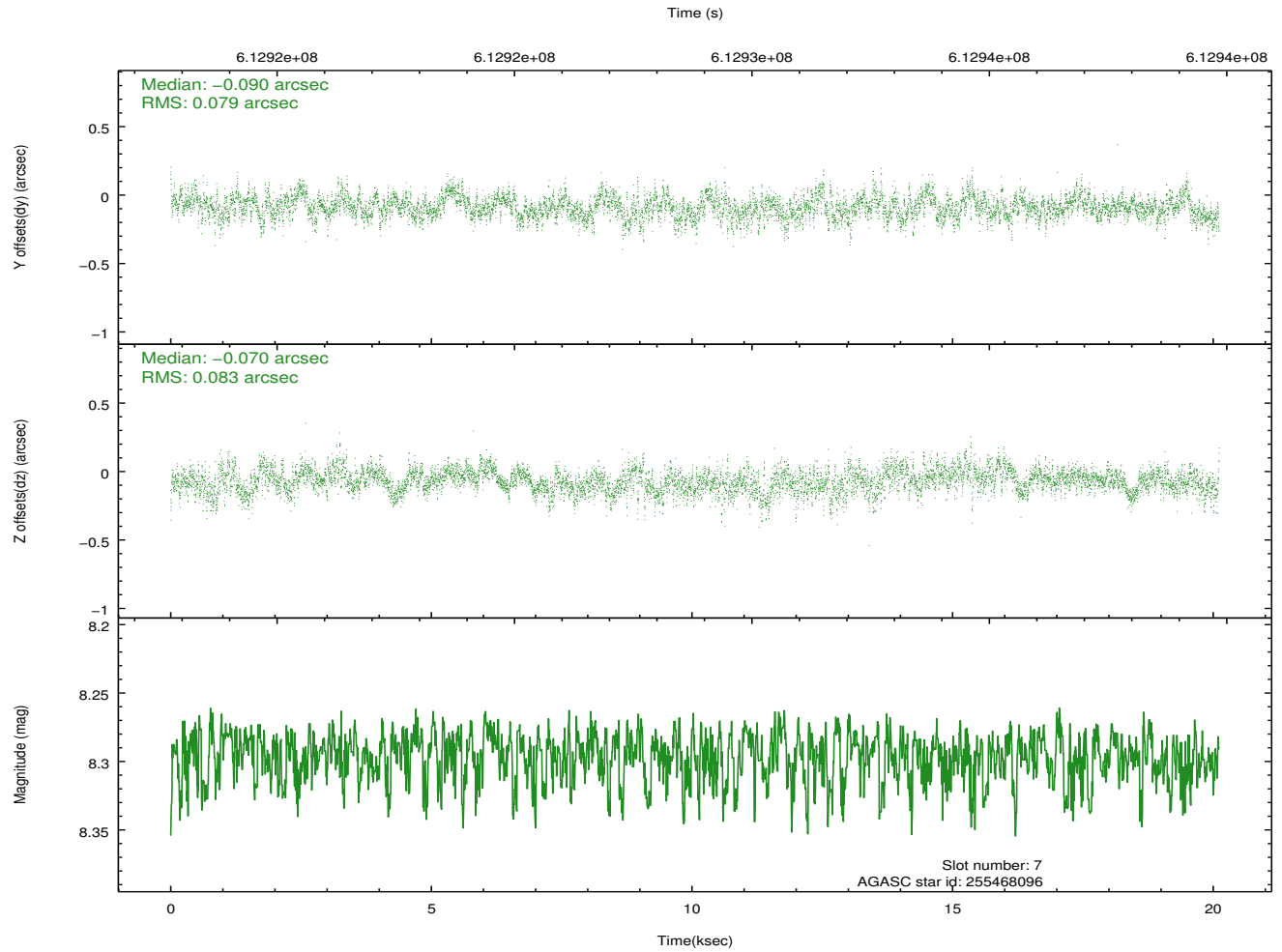
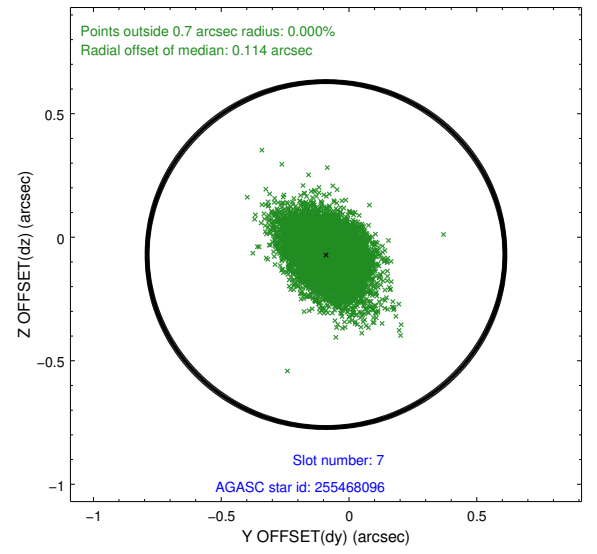
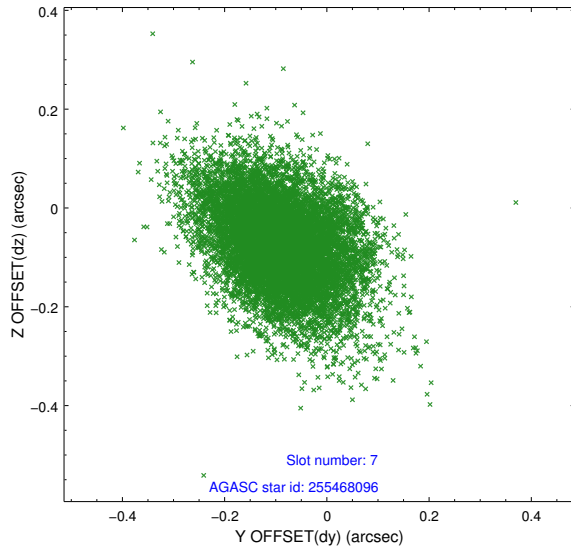
2.4.3 Slot 5



2.4.4 Slot 6

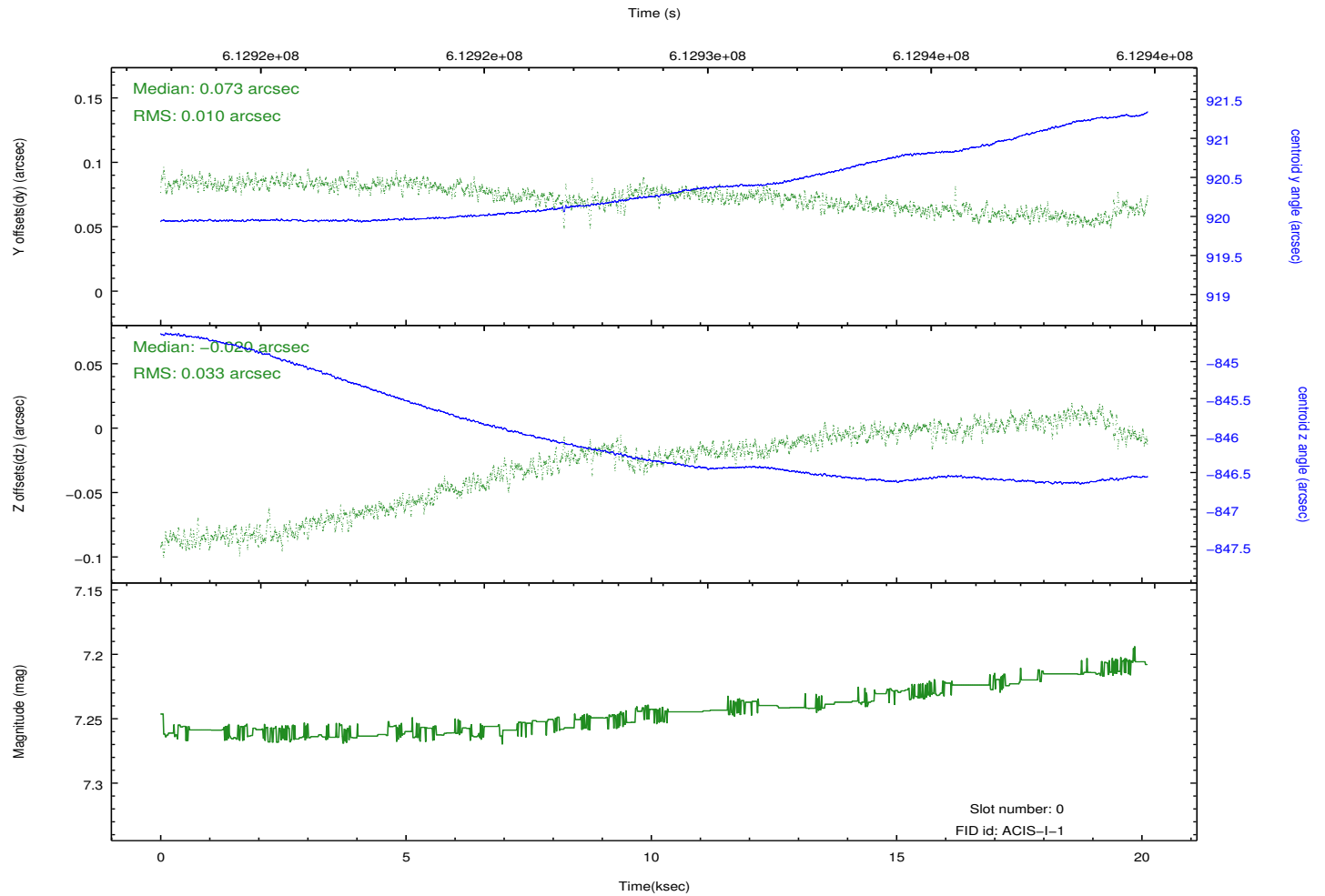
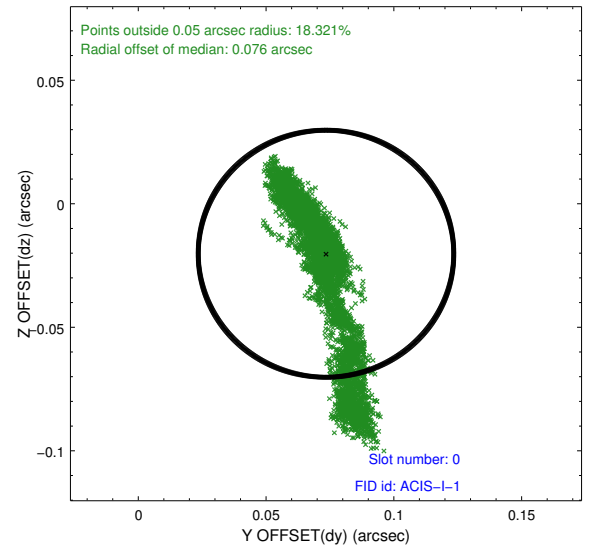
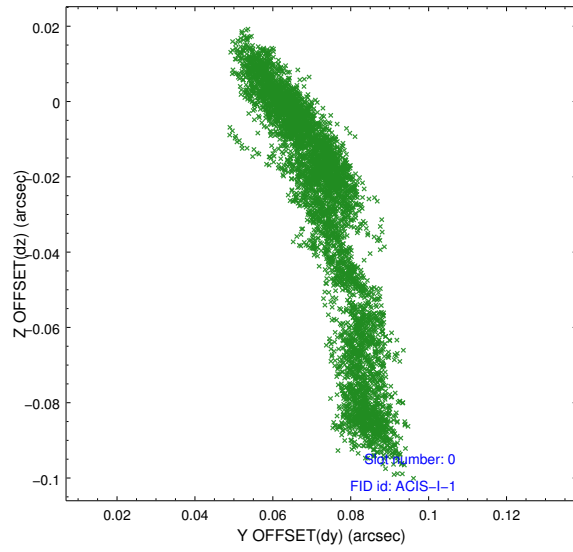


2.4.5 Slot 7

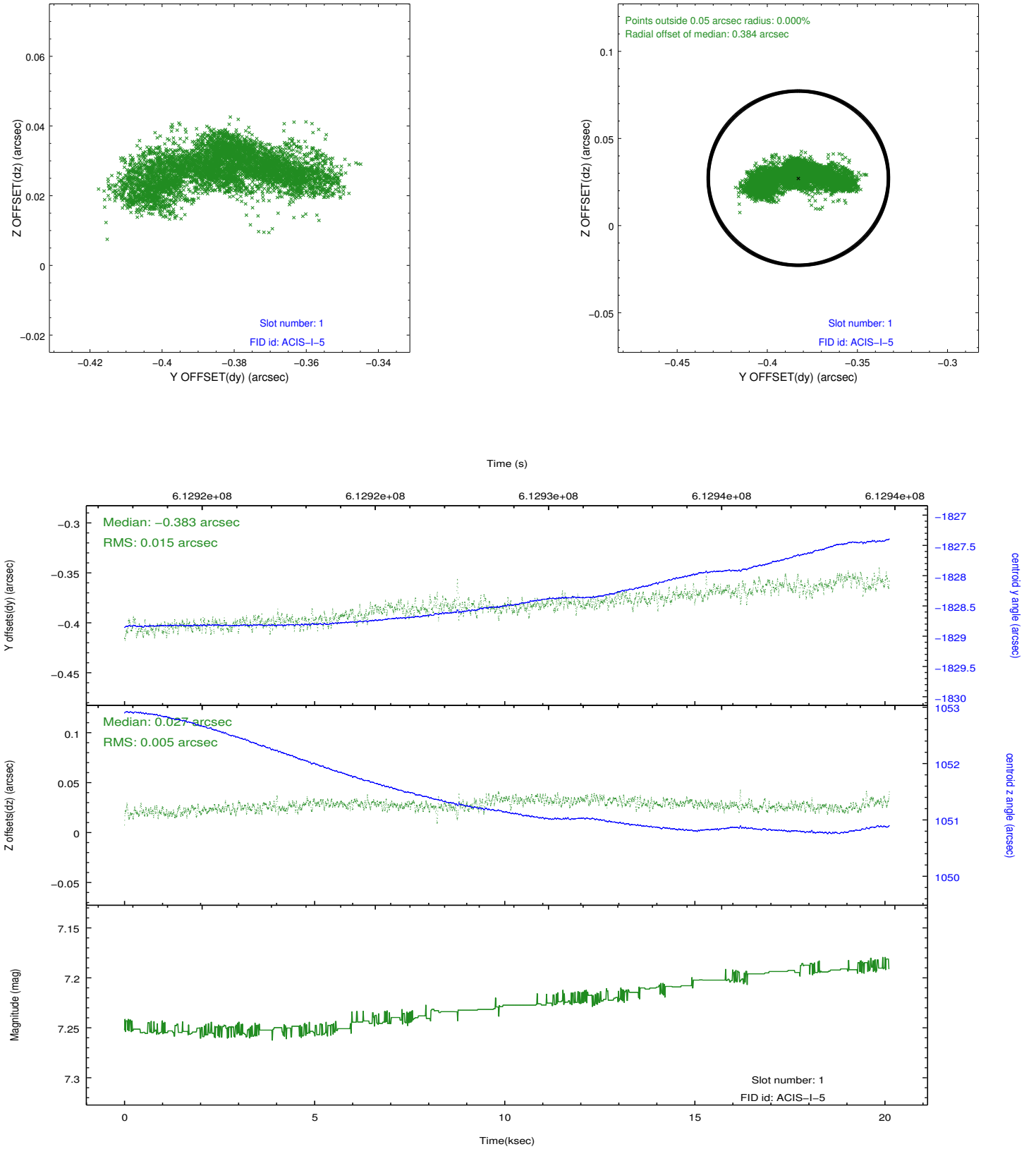


2.5 FID Slots

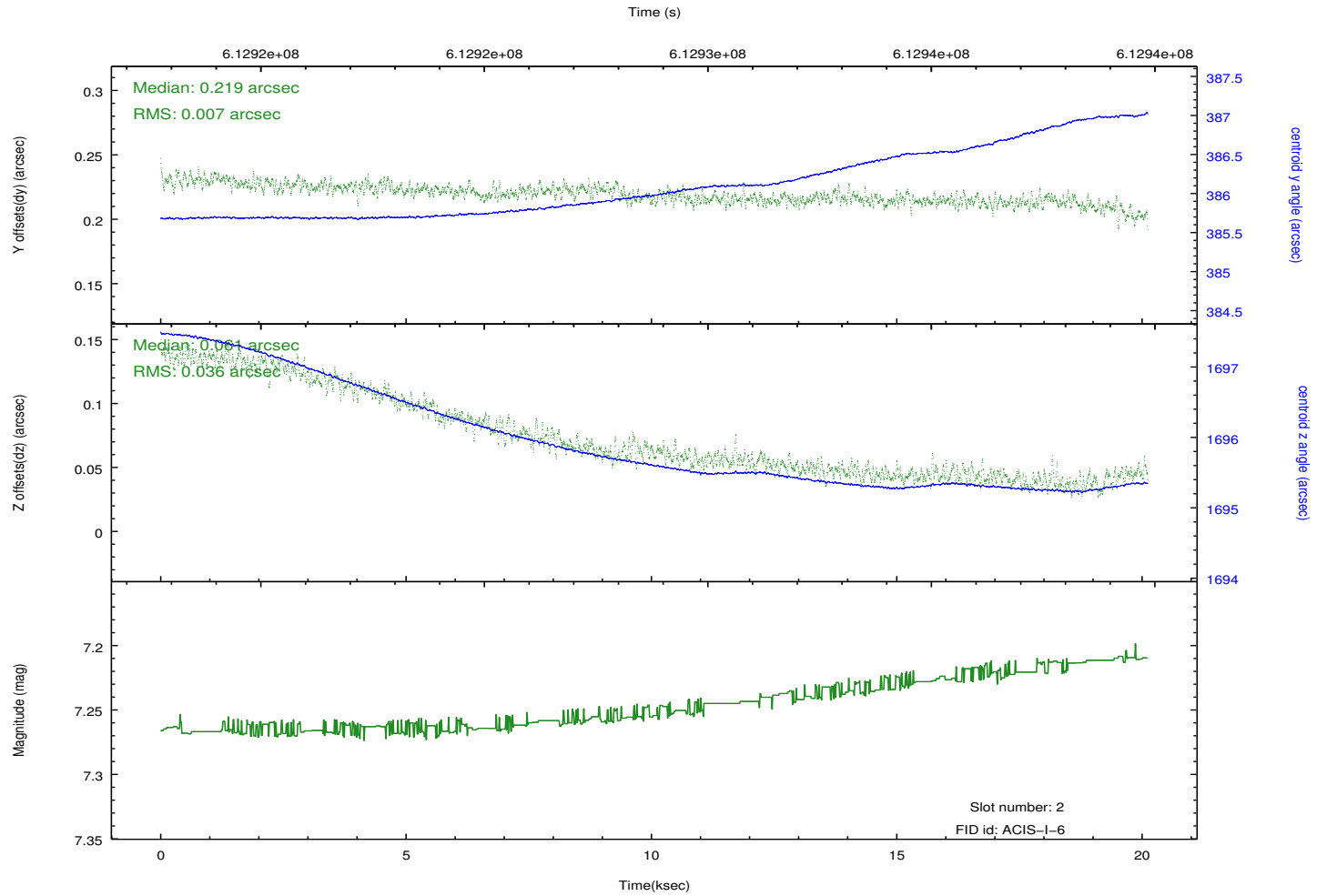
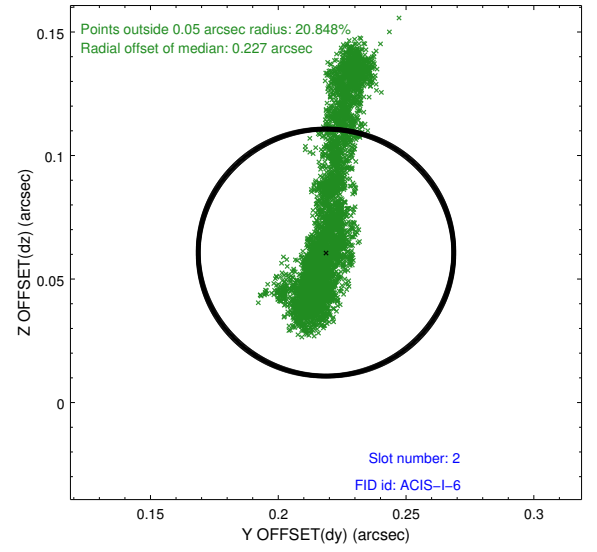
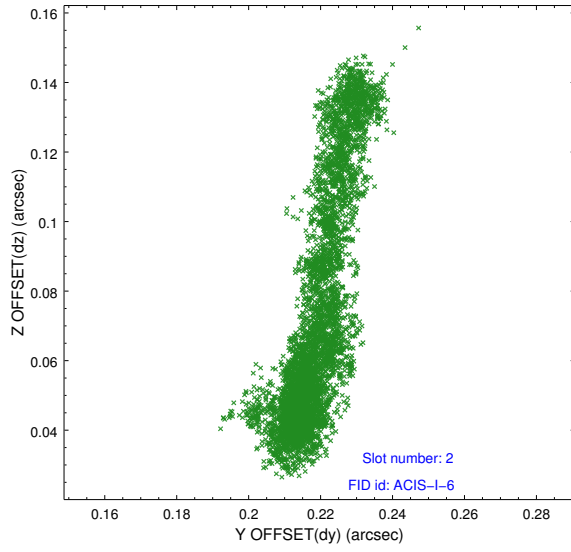
2.5.1 Slot 0



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)	2017.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.954837097645

A.2 Comments