

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12388 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 7 2012

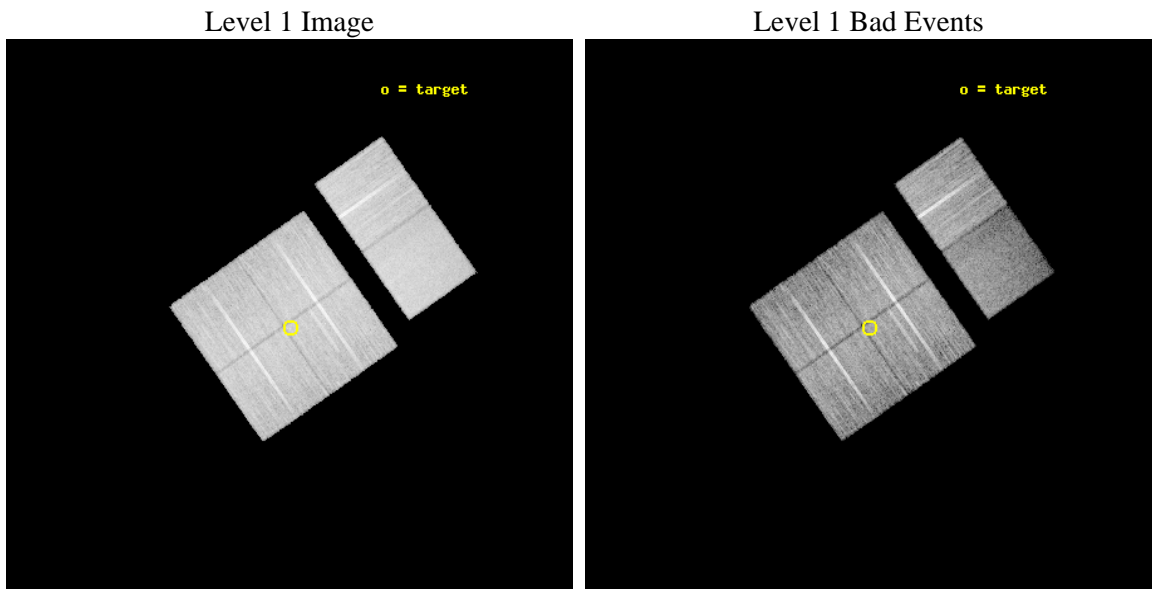
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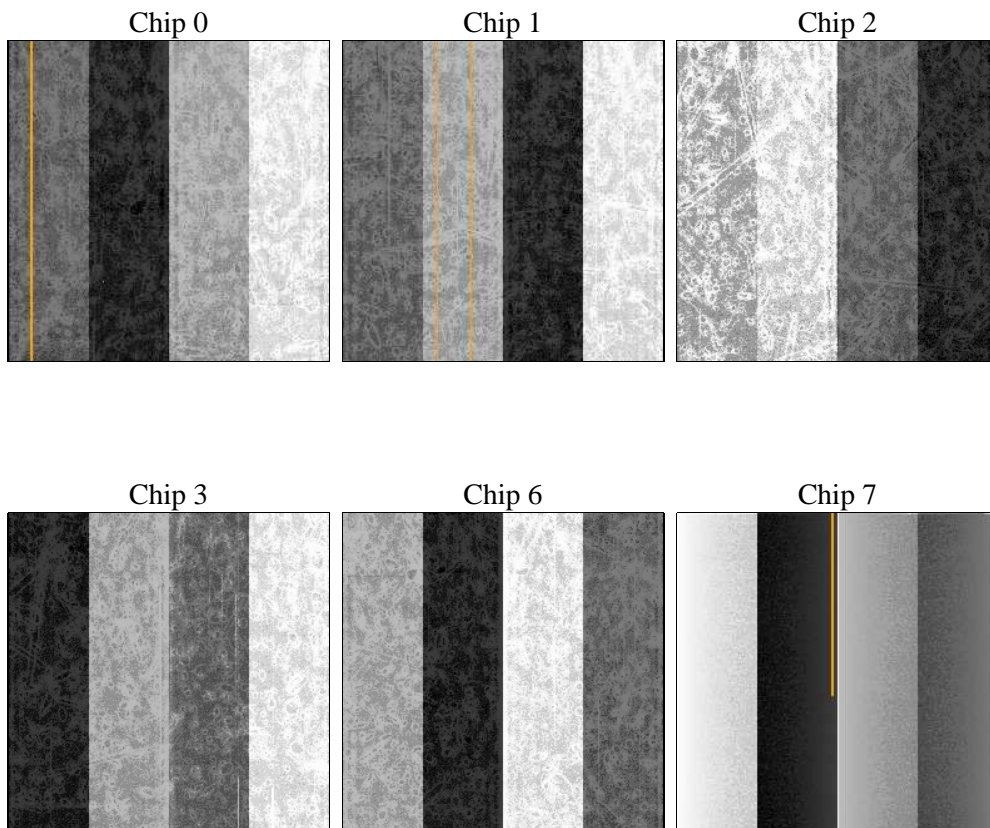
2 OBI

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	8.4.5	Processing system revision	ontime	20054.399925351	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	20051.158905149	Sum of GTIs [s]
date	2012-07-07T17:21:55	Date and time of file creation	ontime1	20054.399925351	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20051.158905089	Sum of GTIs [s]
			ontime3	20054.399925351	Sum of GTIs [s]
			ontime6	20047.917964101	Sum of GTIs [s]
			ontime7	20054.399925351	Sum of GTIs [s]
			l1events	782517	Number of level 1 events

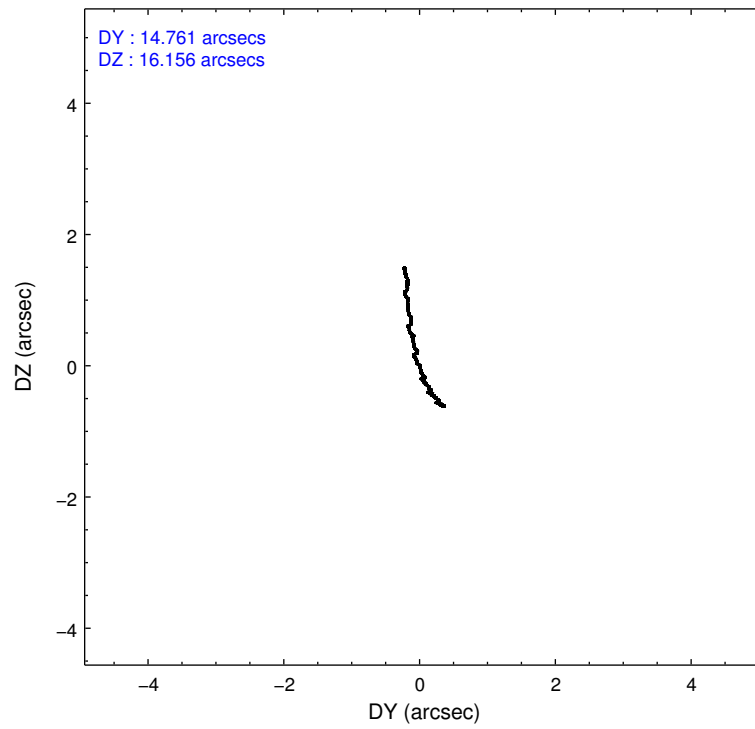
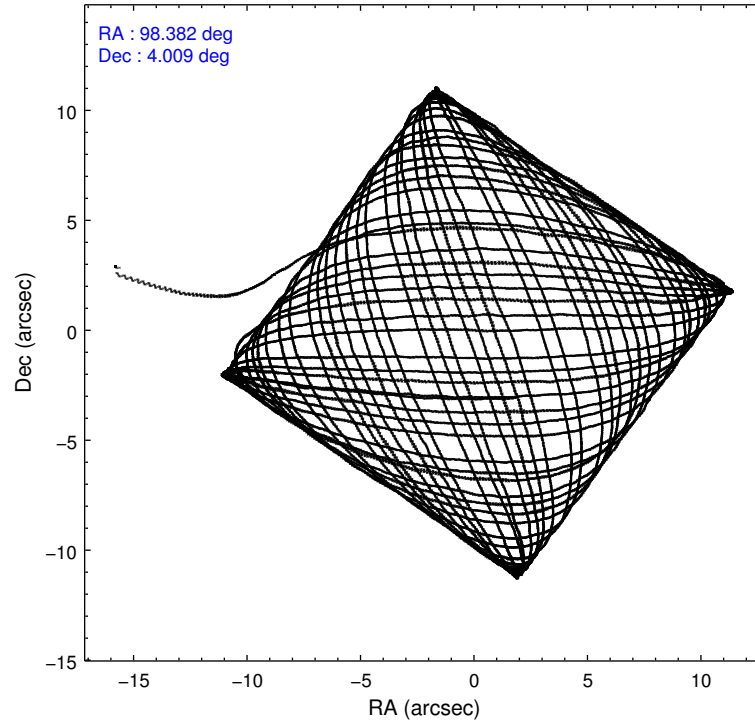
2.1.4 Events

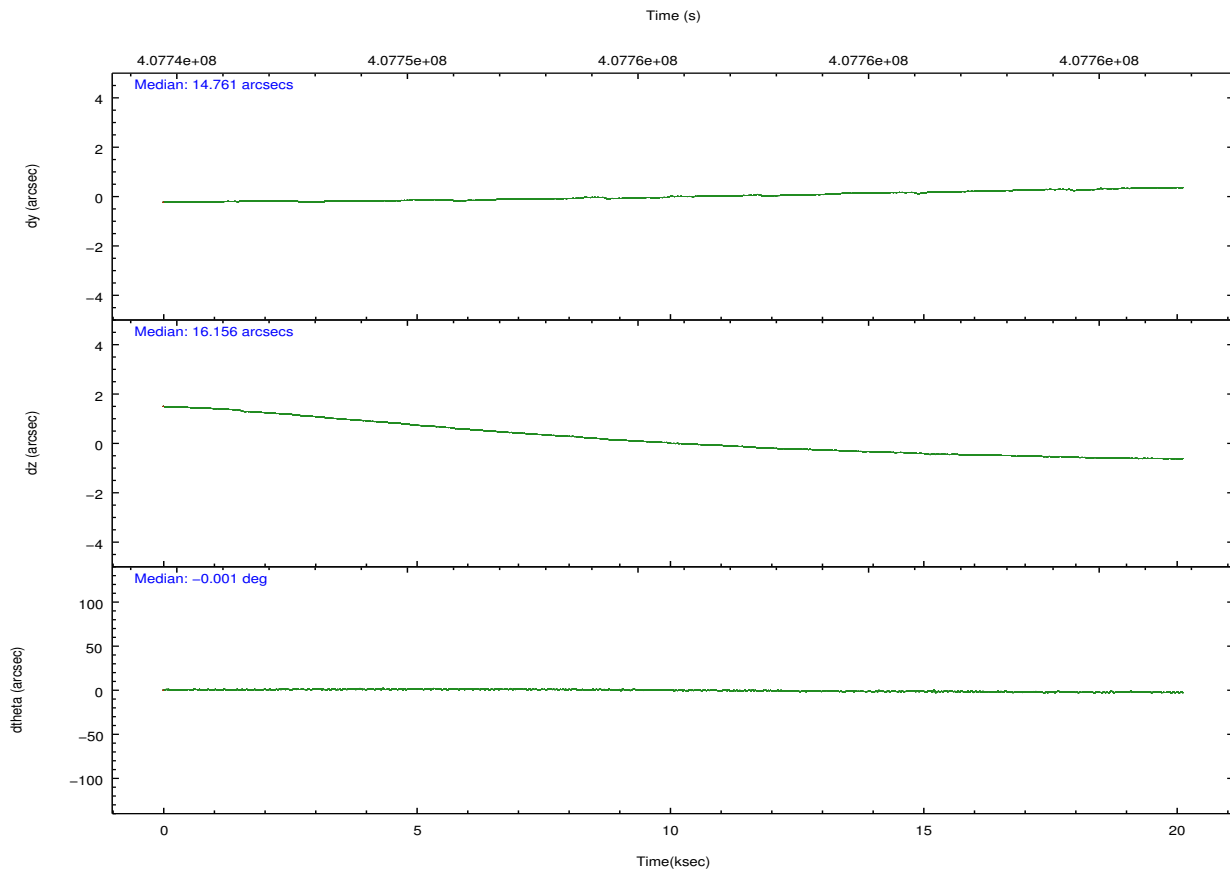
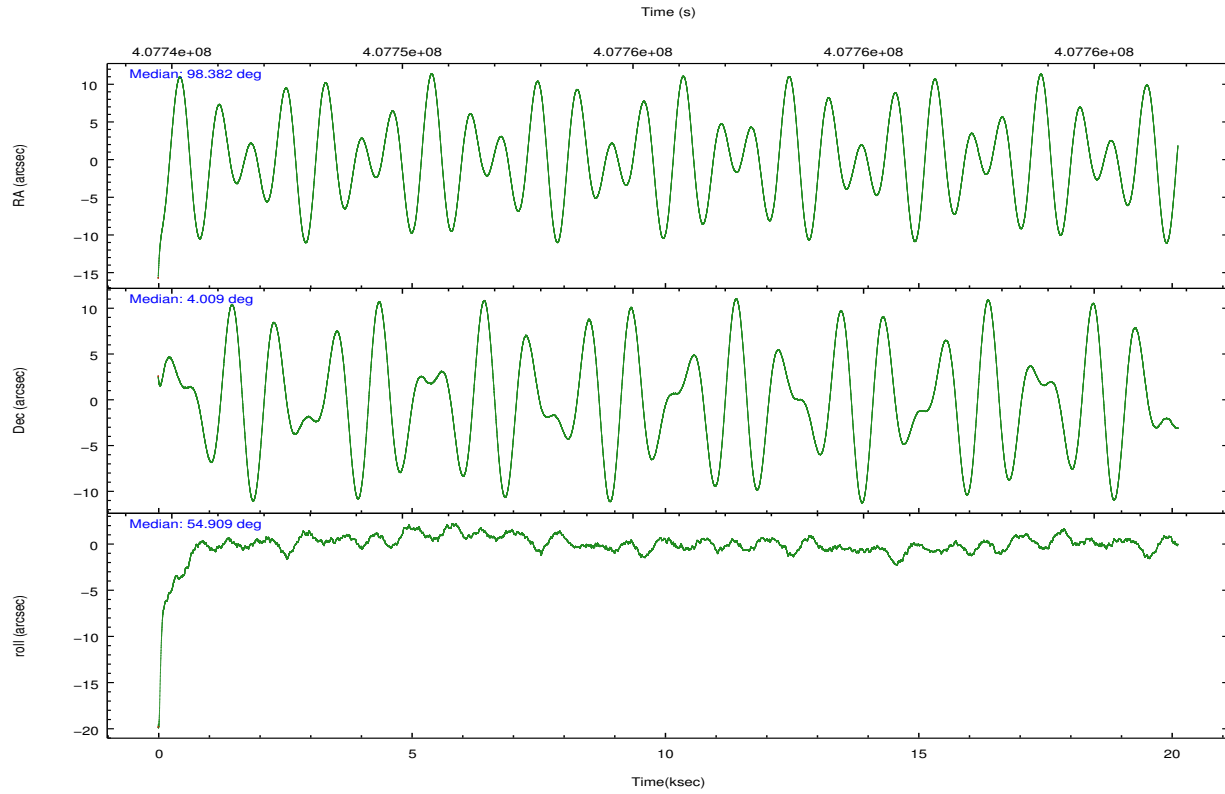
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	120645	120693	132595	127526	140058	141000	grade 0 events	5242	5001	5265	4940	5258	6715
rejected events	106092	106108	118236	114012	124970	72784		4%	4%	3%	3%	3%	4%
rejected %	87%	87%	89%	89%	89%	51%	grade 1 events	69	81	77	99	79	211
								0%	0%	0%	0%	0%	0%
							grade 2 events	3504	3324	3548	3105	3551	14575
								2%	2%	2%	2%	2%	10%
							grade 3 events	1544	1601	1481	1445	1541	6381
								1%	1%	1%	1%	1%	4%
							grade 4 events	1470	1595	1427	1488	1559	6209
								1%	1%	1%	1%	1%	4%
							grade 5 events	4773	4893	4657	5302	5221	15083
								3%	4%	3%	4%	3%	10%
							grade 6 events	2794	3067	2639	2538	3186	34348
								2%	2%	1%	1%	2%	24%
							grade 7 events	101249	101131	113501	108609	119663	57478
								83%	83%	85%	85%	85%	40%

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	98.379725	98.38203047593436	CCD I2 on	Y	Y
[deg] Pointing Dec	3.982160	4.009567734494548	CCD I3 on	Y	Y
[deg] Pointing Roll	54.701090	54.90961164085017	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)	407745809.184000	407744603.25698	CCD S5 on	N	N
Observation start date	2010-12-03T06:42:23	2010-12-03T06:23:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	407765809.184000	407766759.14562	On-chip summing requested	N	N
Observation end date	2010-12-03T12:15:43	2010-12-03T12:32:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



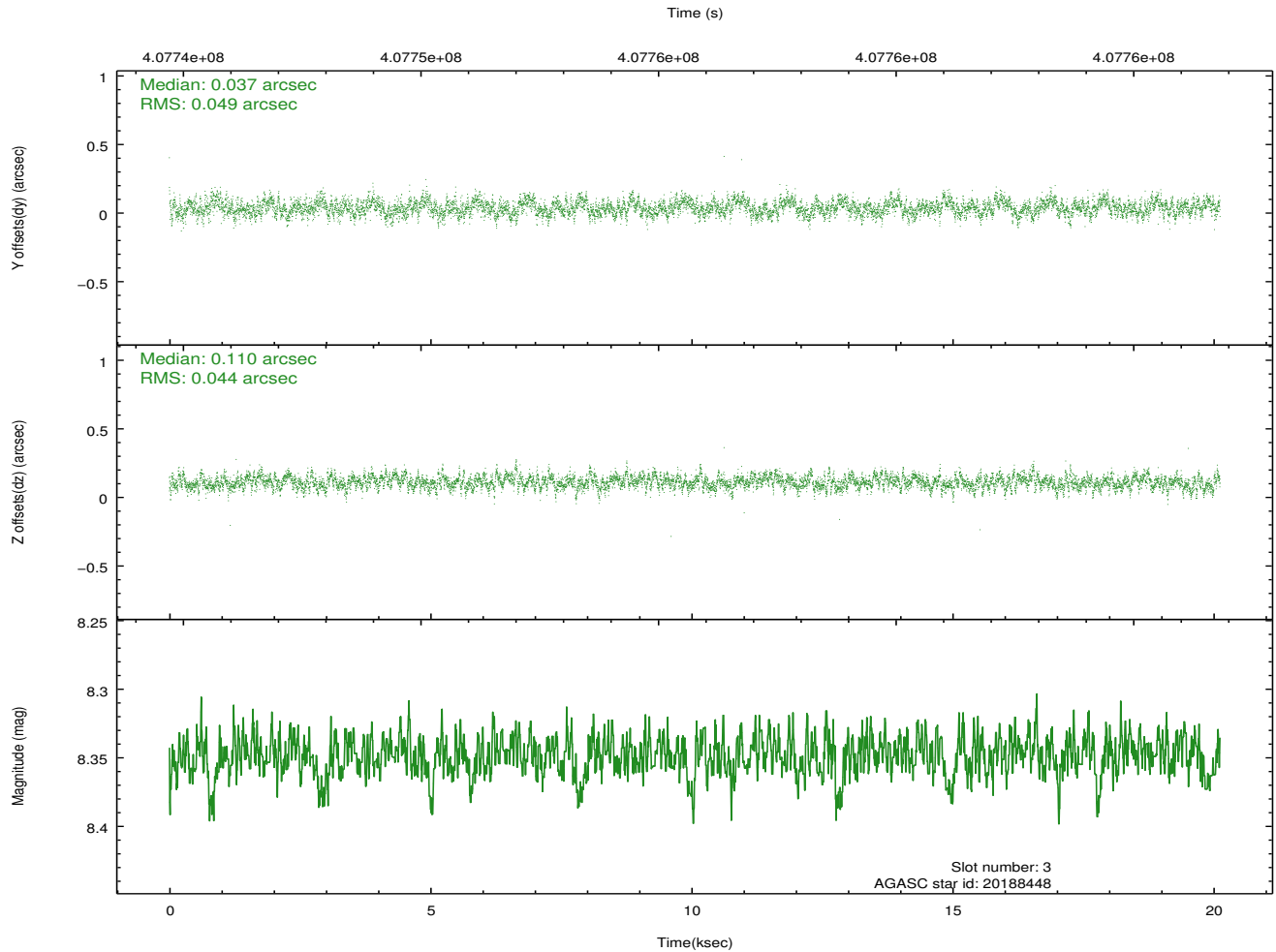
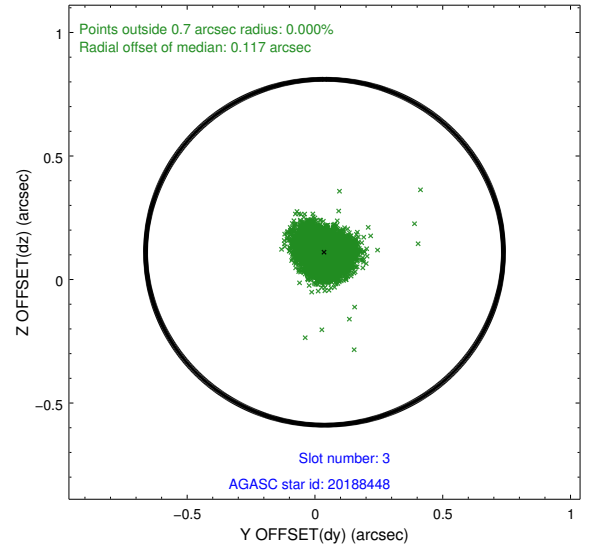
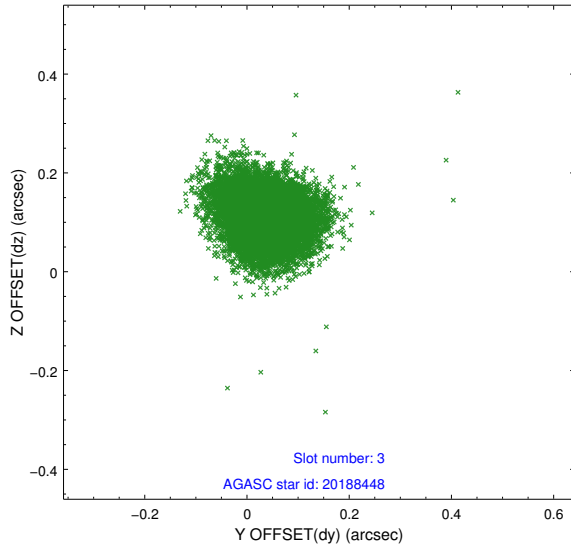


Slot Statistics

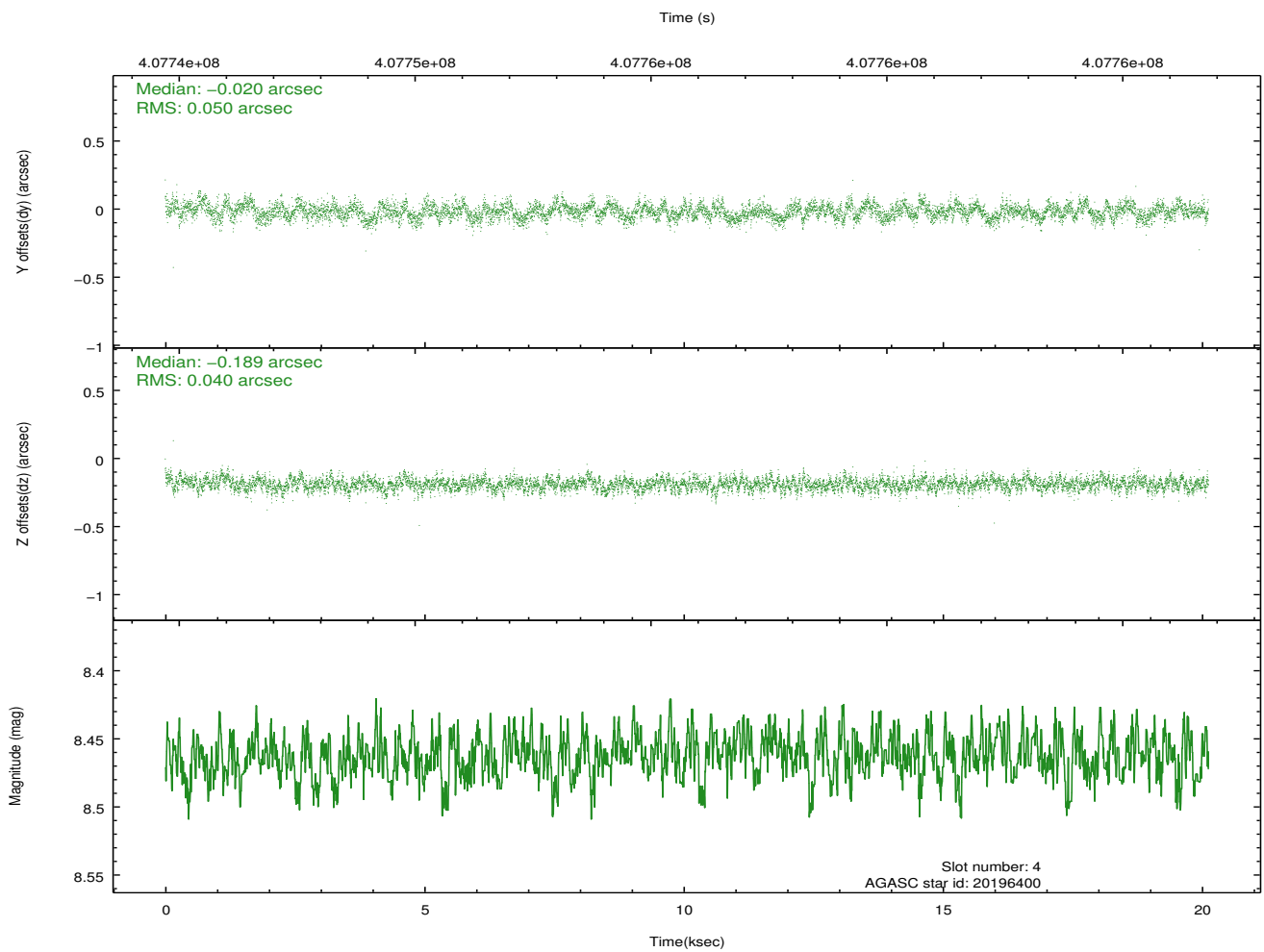
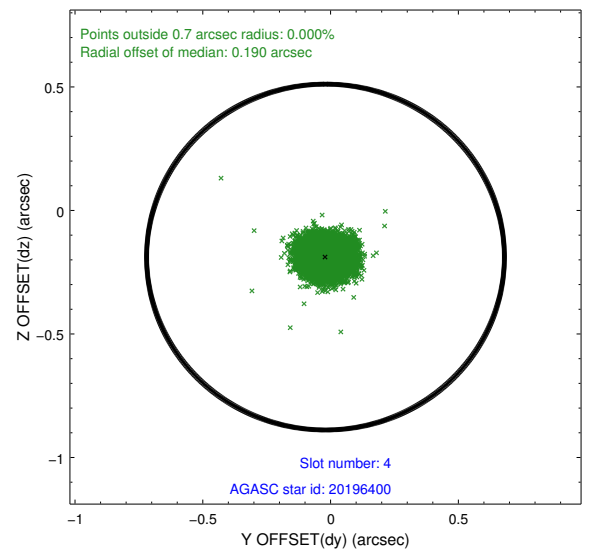
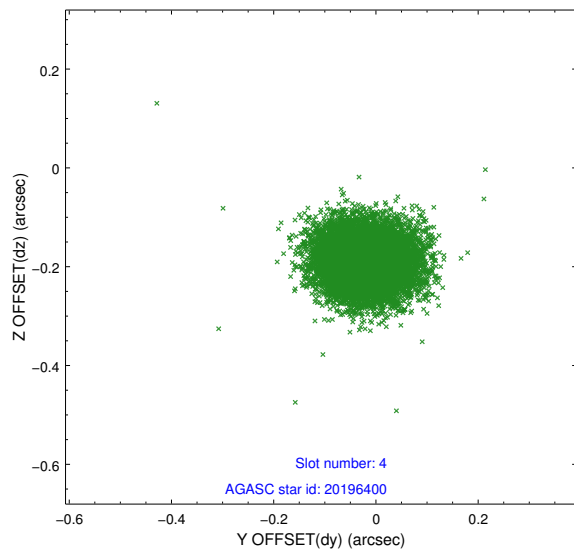
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	4909	0.060	-0.032	0.017	0.025	0.000000	0.000000	924.73	-840.02
1	FID	ACIS-I-5	7.01	4909	-0.218	0.058	0.017	0.024	0.000000	0.000000	-1823.53	1057.49
2	FID	ACIS-I-6	7.02	4909	0.068	0.048	0.014	0.028	0.000000	0.000000	390.11	1702.17
3	GUIDE	20188448	8.35	9813	0.037	0.110	0.070	0.114	98.813908	3.968896	862.85	-1299.93
4	GUIDE	20196400	8.46	9817	-0.020	-0.189	0.068	0.109	98.462322	4.525449	1768.01	887.91
5	GUIDE	19661784	8.74	9815	0.139	0.225	0.080	0.127	98.339573	3.383390	-1841.94	-1127.61
6	GUIDE	20202848	7.46	9815	0.020	-0.259	0.071	0.120	98.177906	3.814518	-911.16	242.53
7	GUIDE	20193744	8.57	9813	-0.180	0.113	0.064	0.108	98.861283	4.468345	2427.75	-398.83

2.4 Star Slots

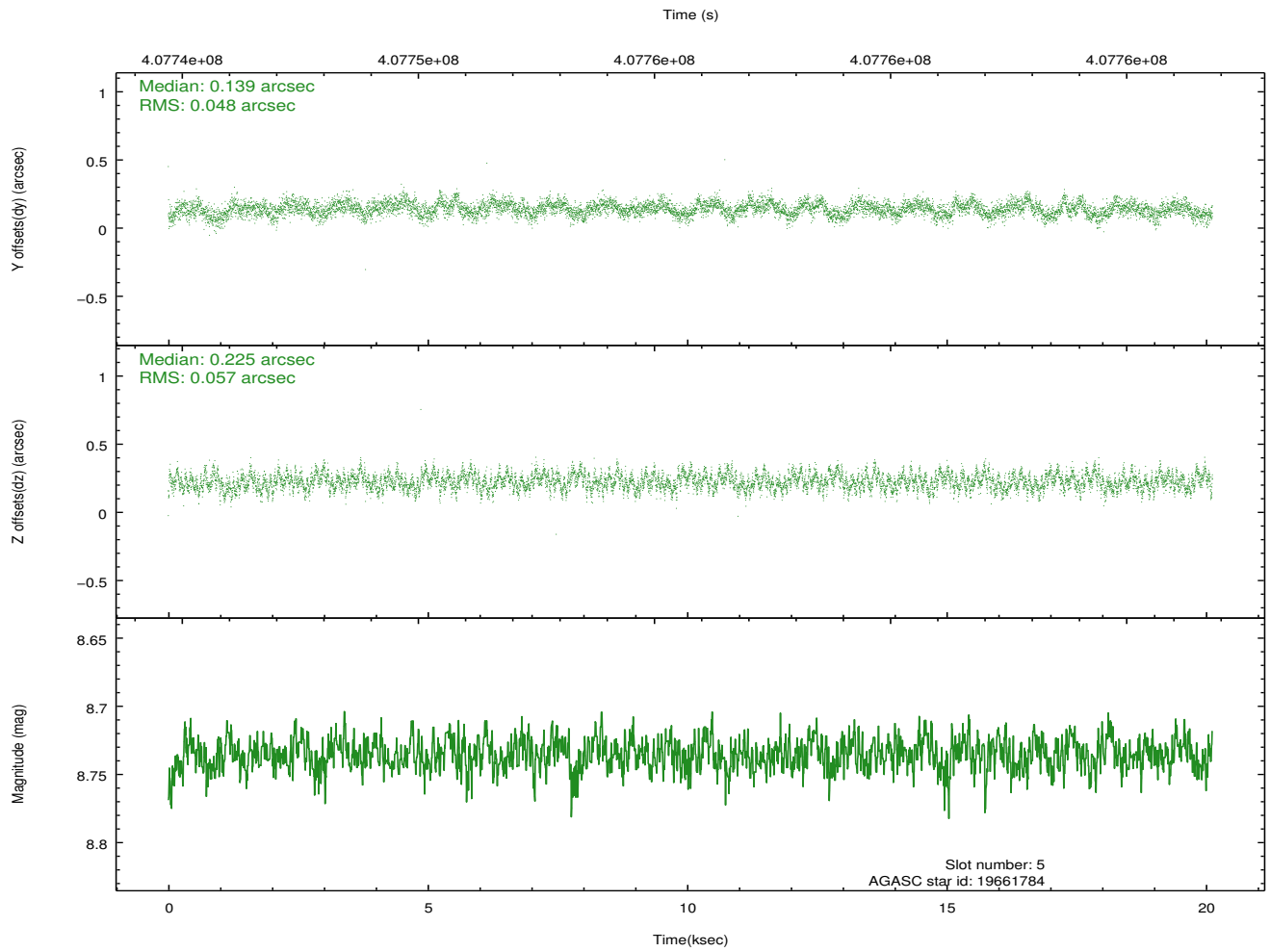
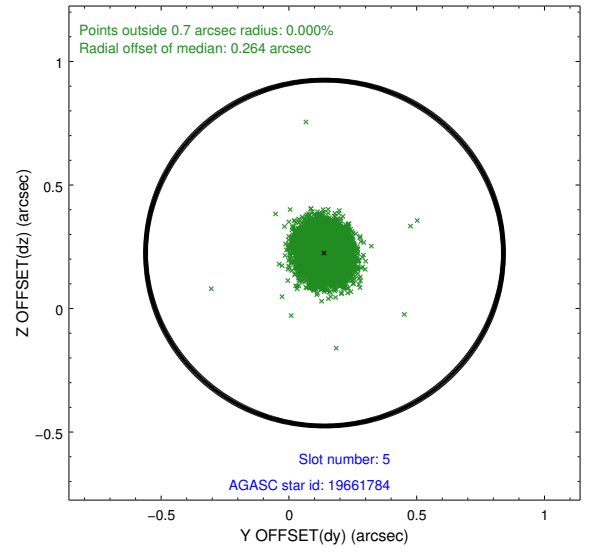
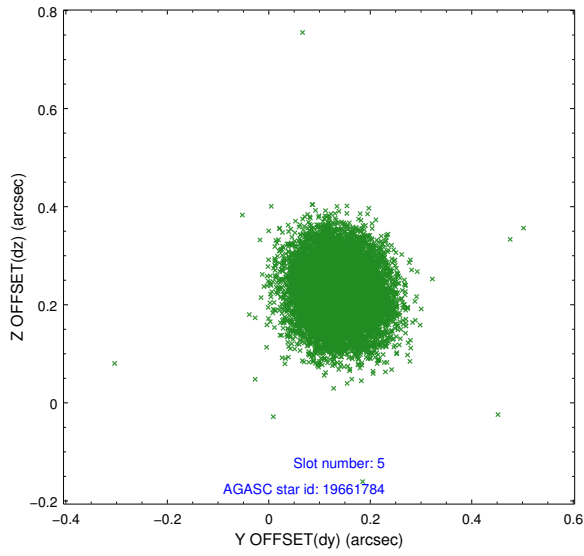
2.4.1 Slot 3



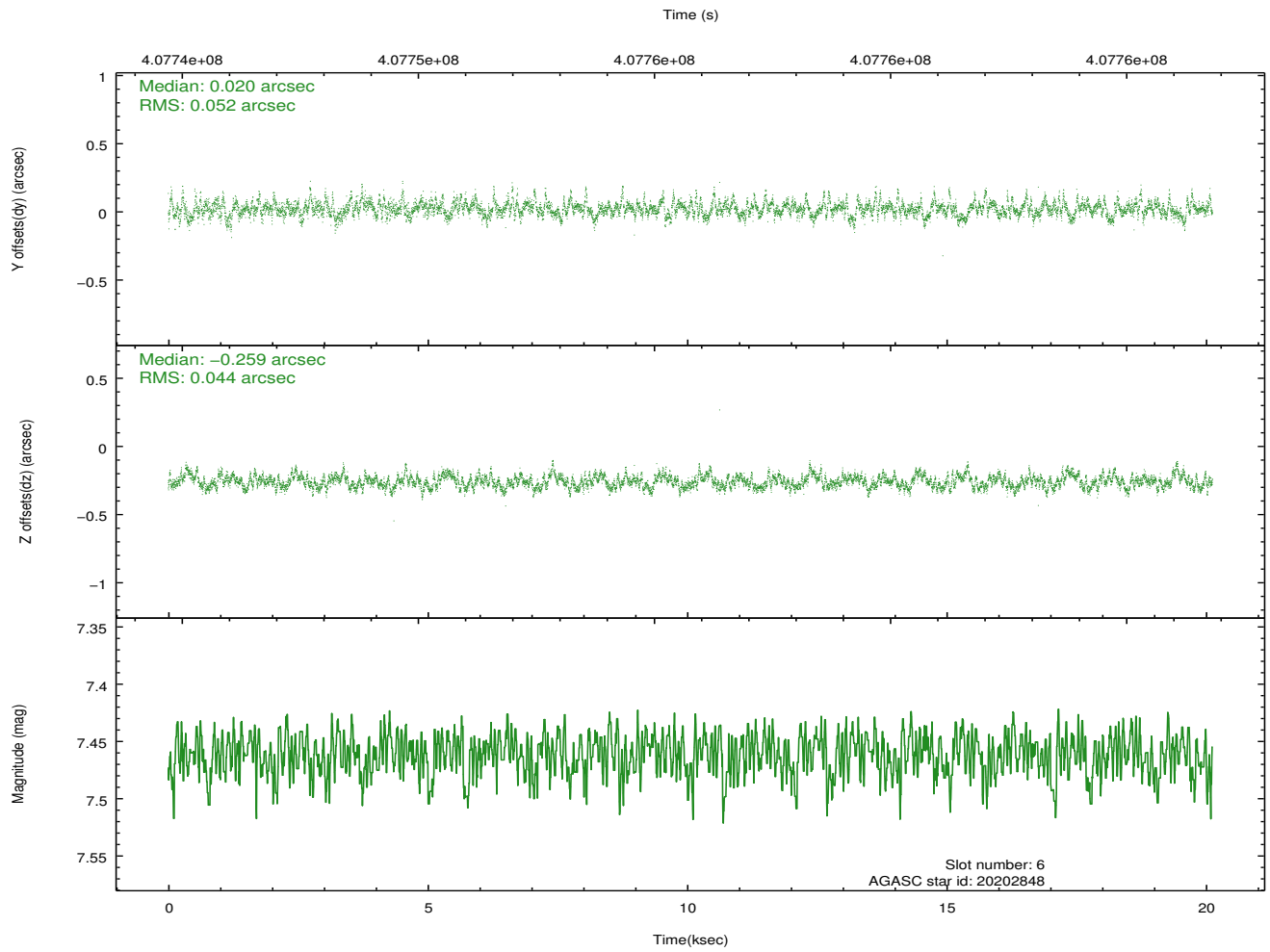
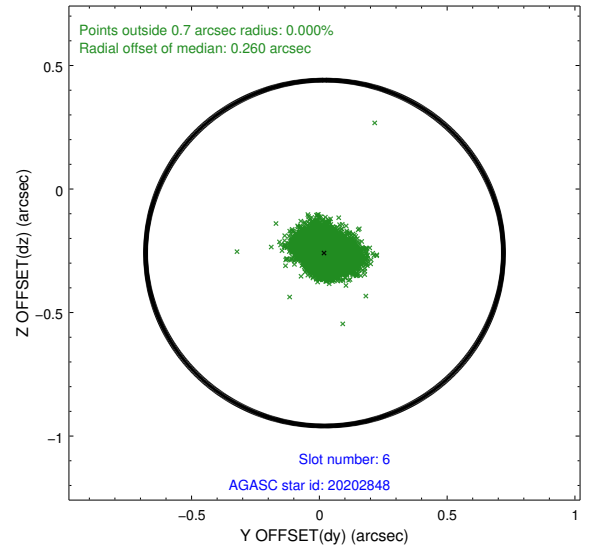
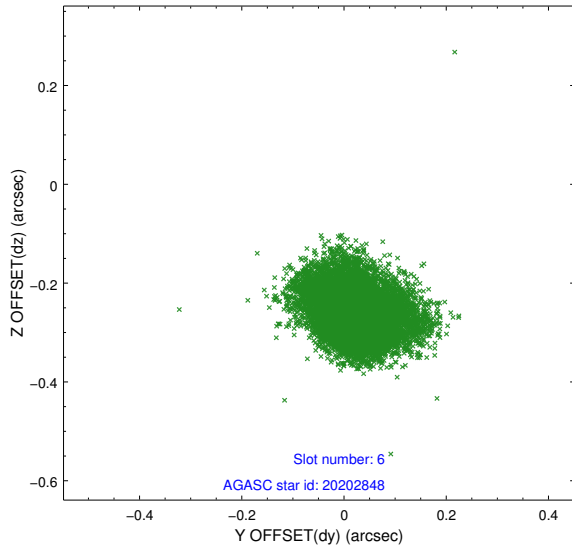
2.4.2 Slot 4



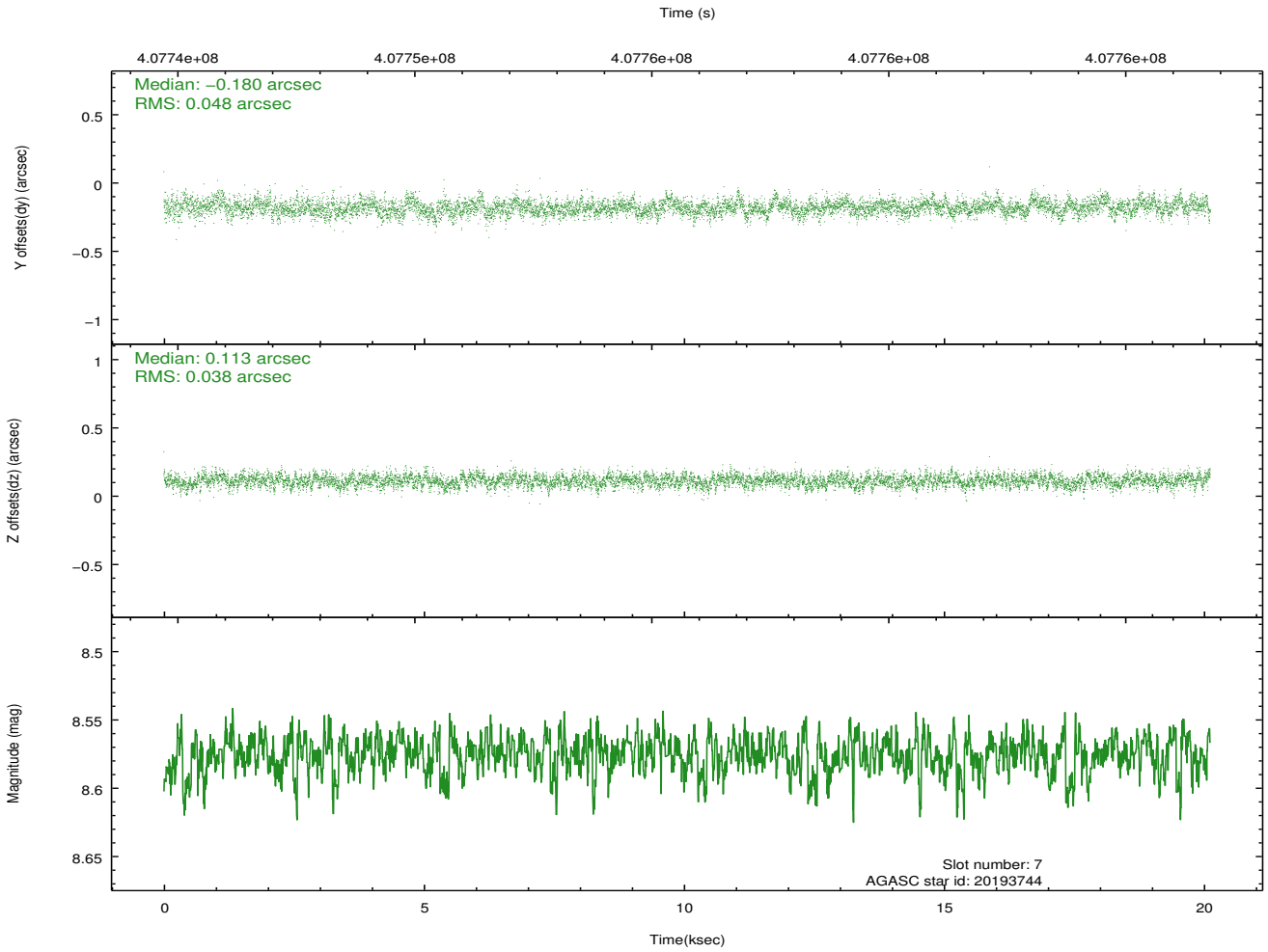
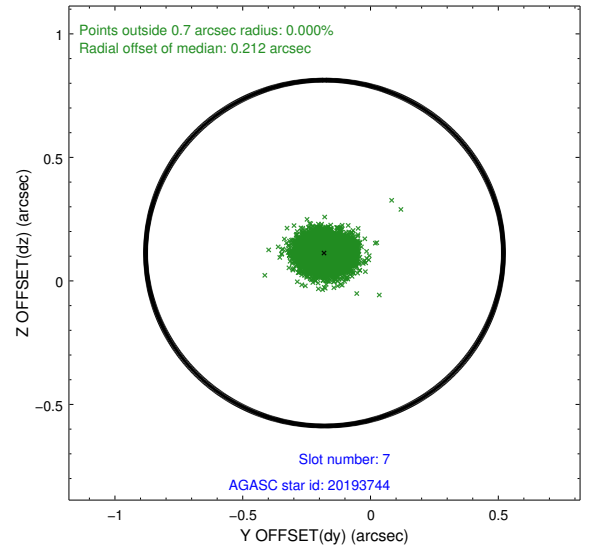
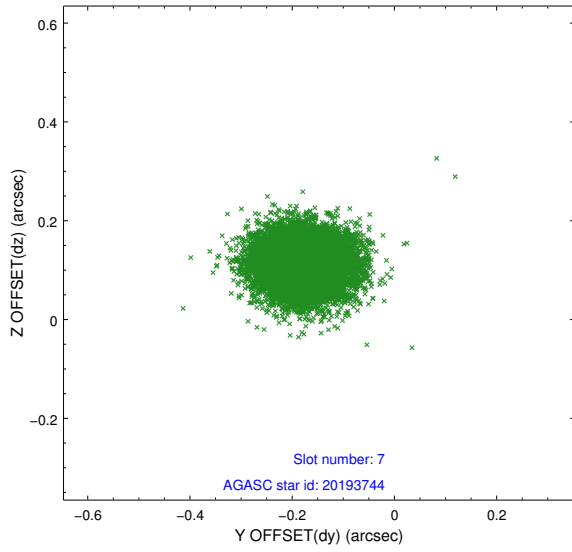
2.4.3 Slot 5



2.4.4 Slot 6

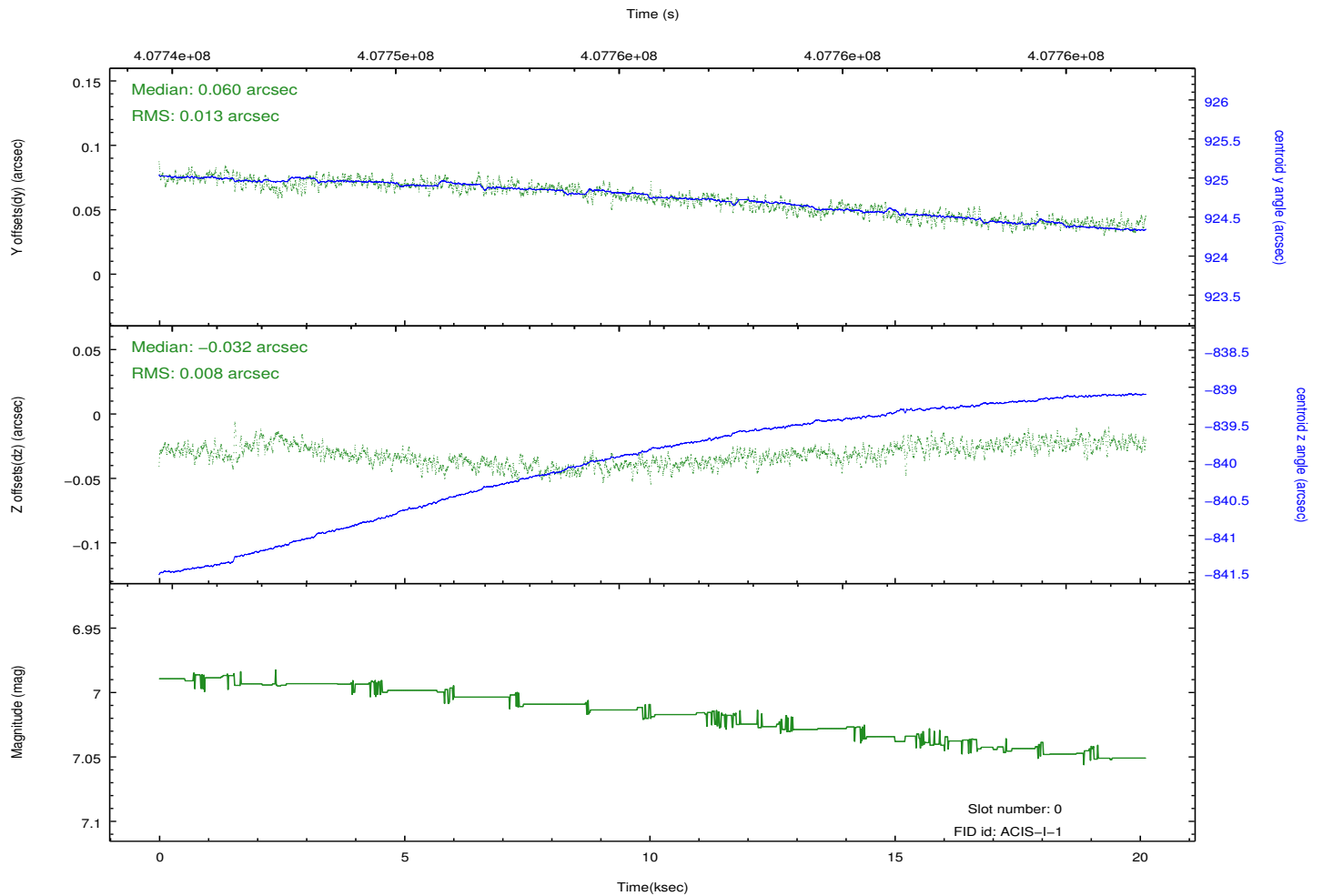
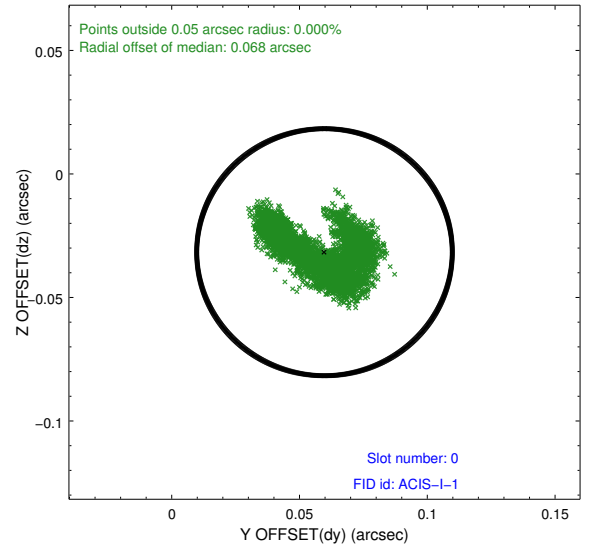
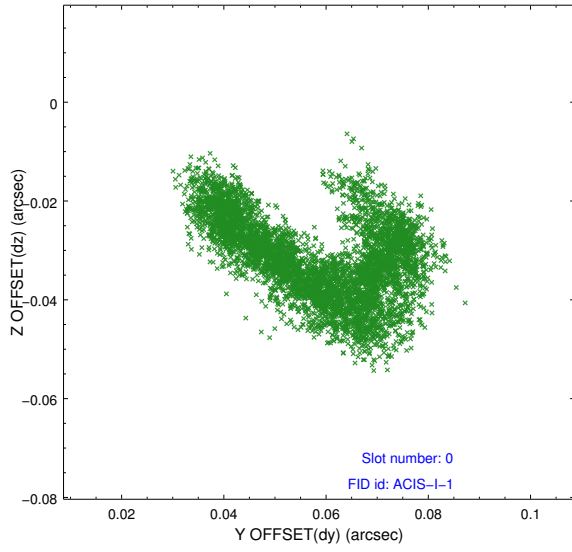


2.4.5 Slot 7

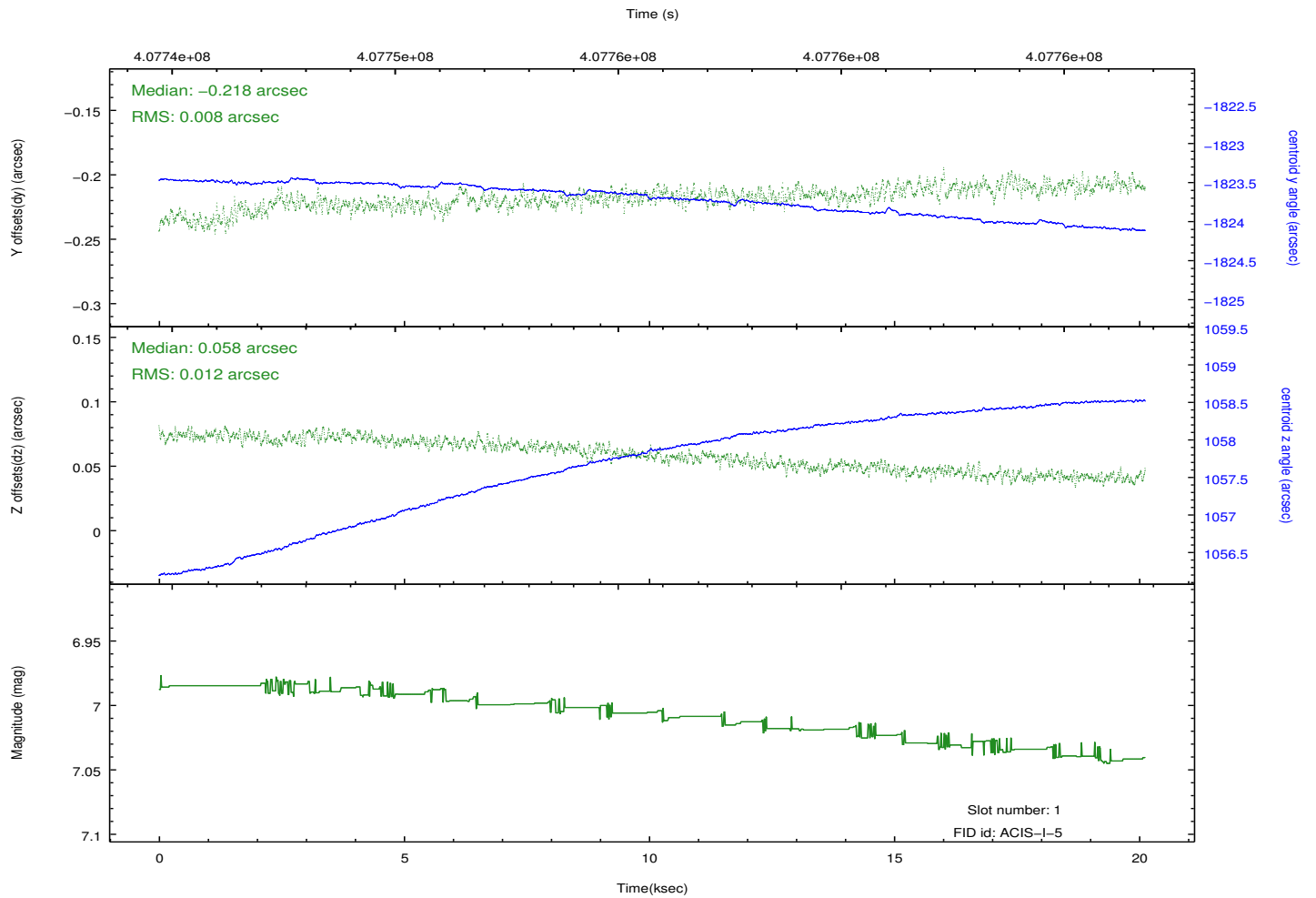
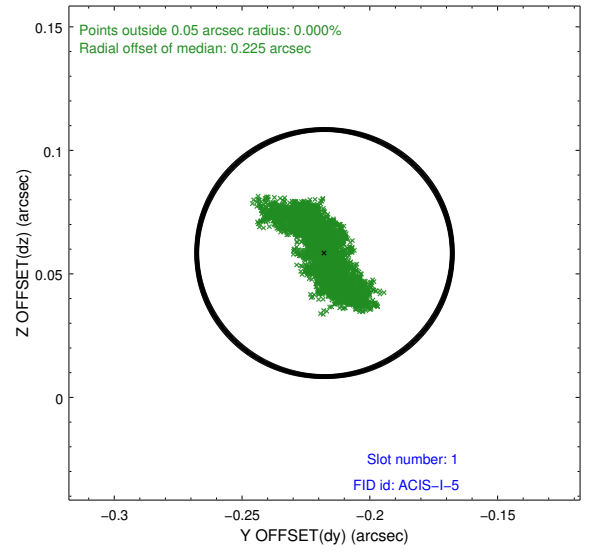
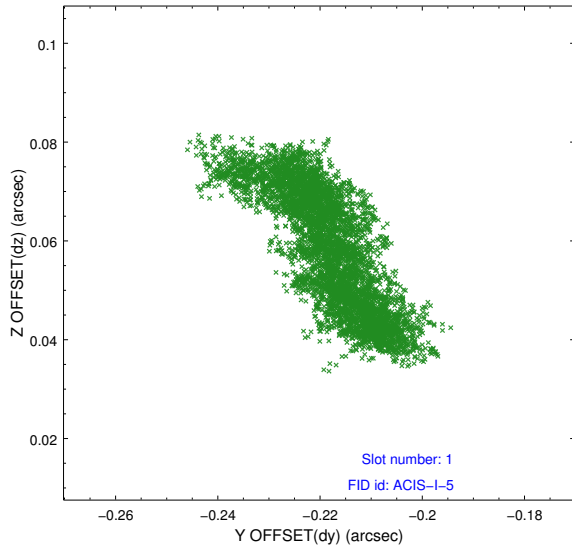


2.5 FID Slots

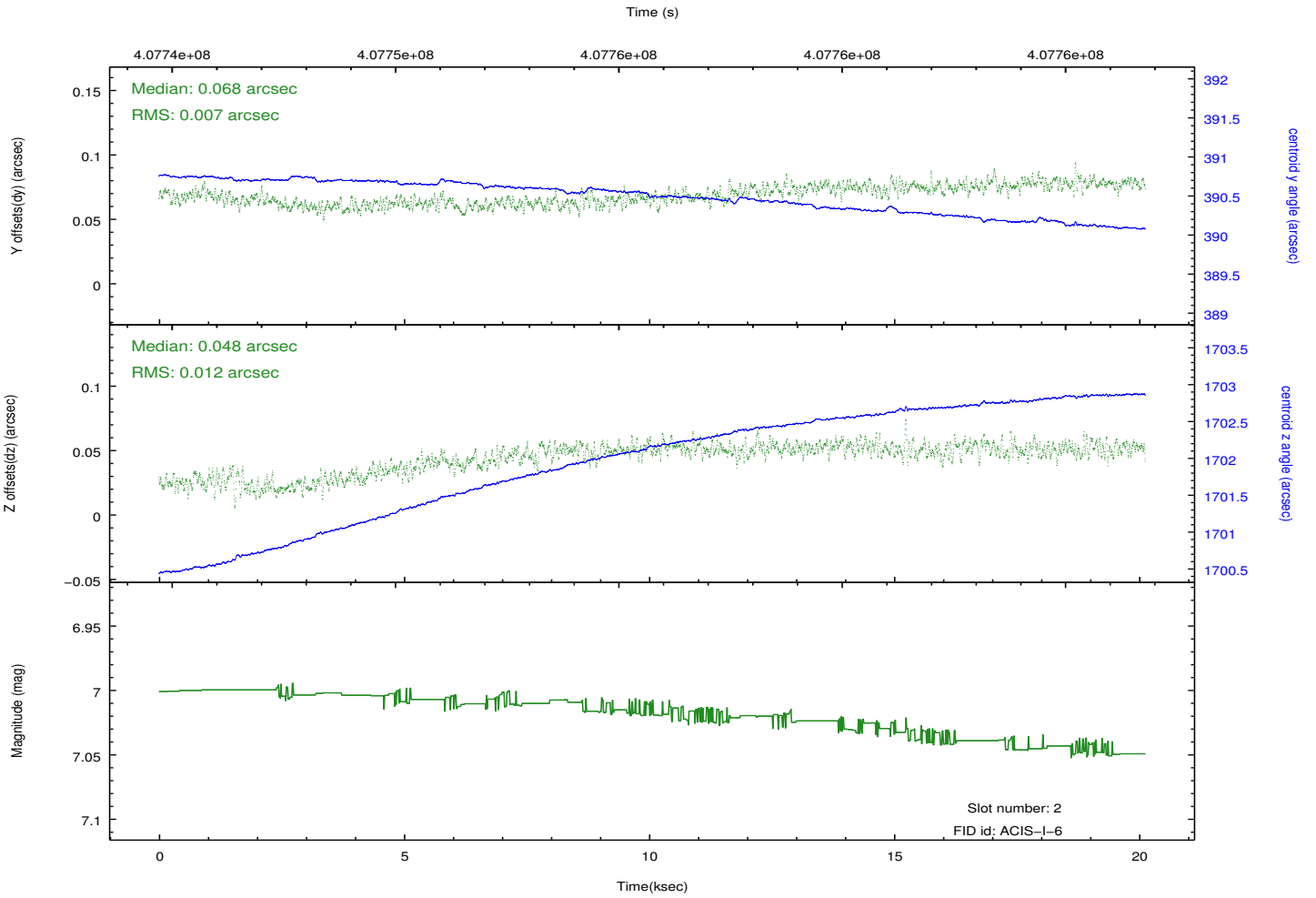
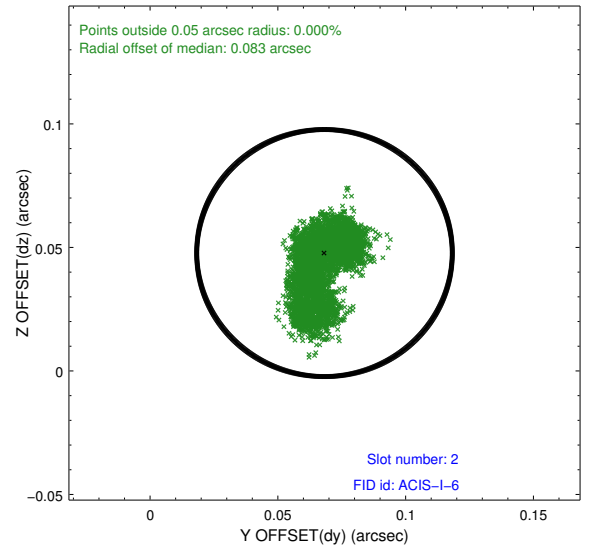
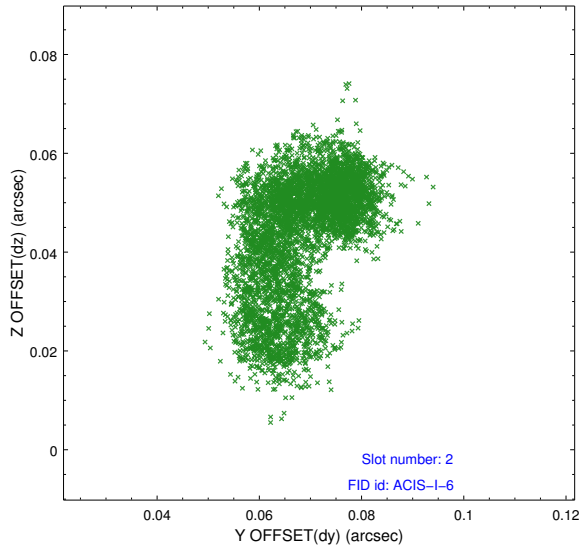
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.054399925351

A.2 Comments