

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10713 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 1 2012

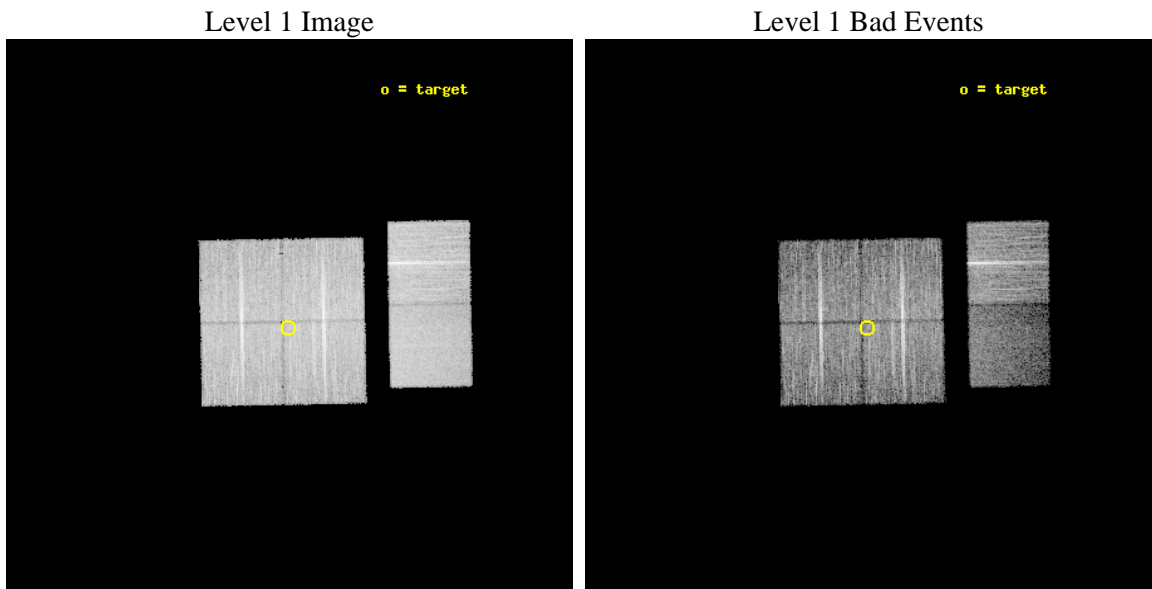
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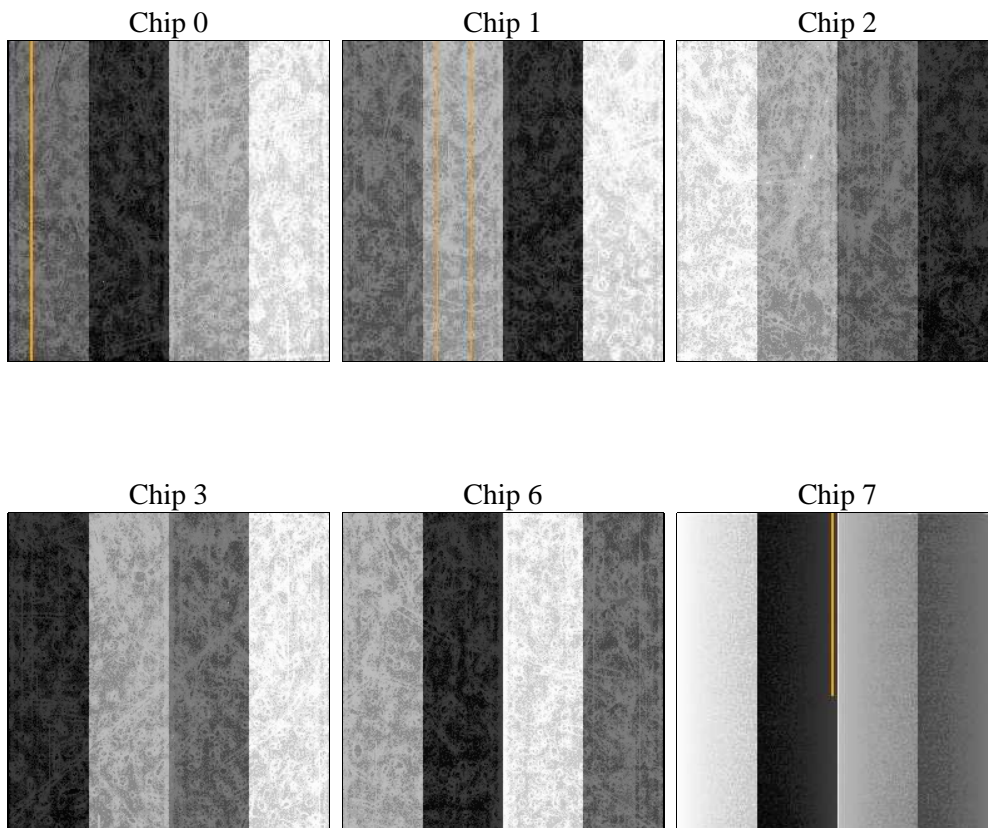
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10041.599962652	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	10038.357729256	Sum of GTIs [s]
date	2012-06-01T10:27:37	Date and time of file creation	ontime1	10038.35897243	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10041.599962652	Sum of GTIs [s]
			ontime3	10041.599962652	Sum of GTIs [s]
			ontime6	10041.599962652	Sum of GTIs [s]
			ontime7	10041.599962652	Sum of GTIs [s]
			l1events	479953	Number of level 1 events

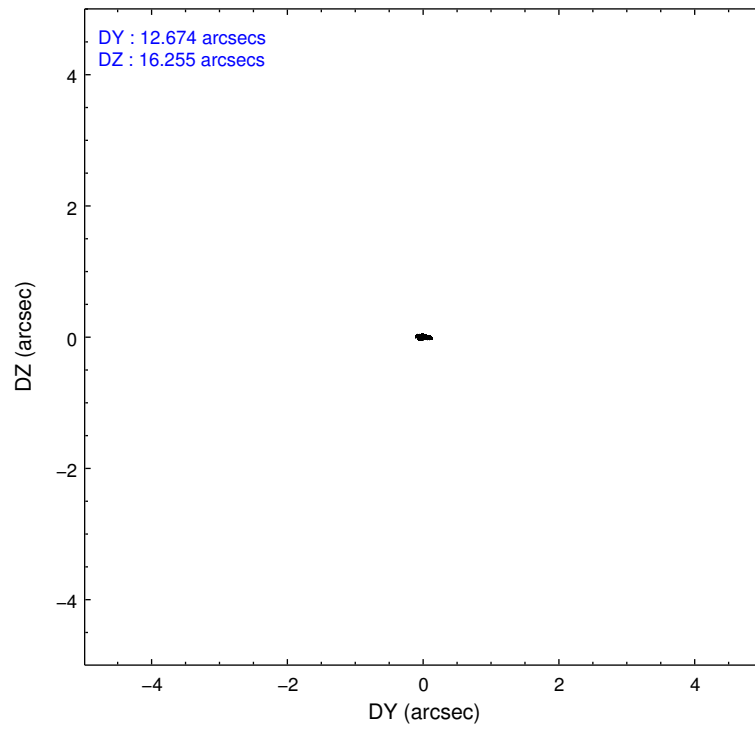
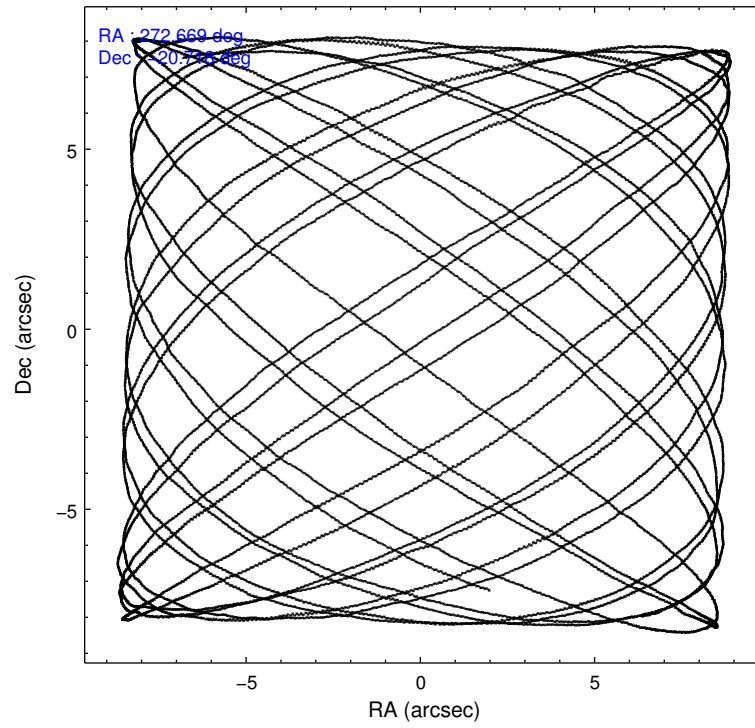
2.1.4 Events

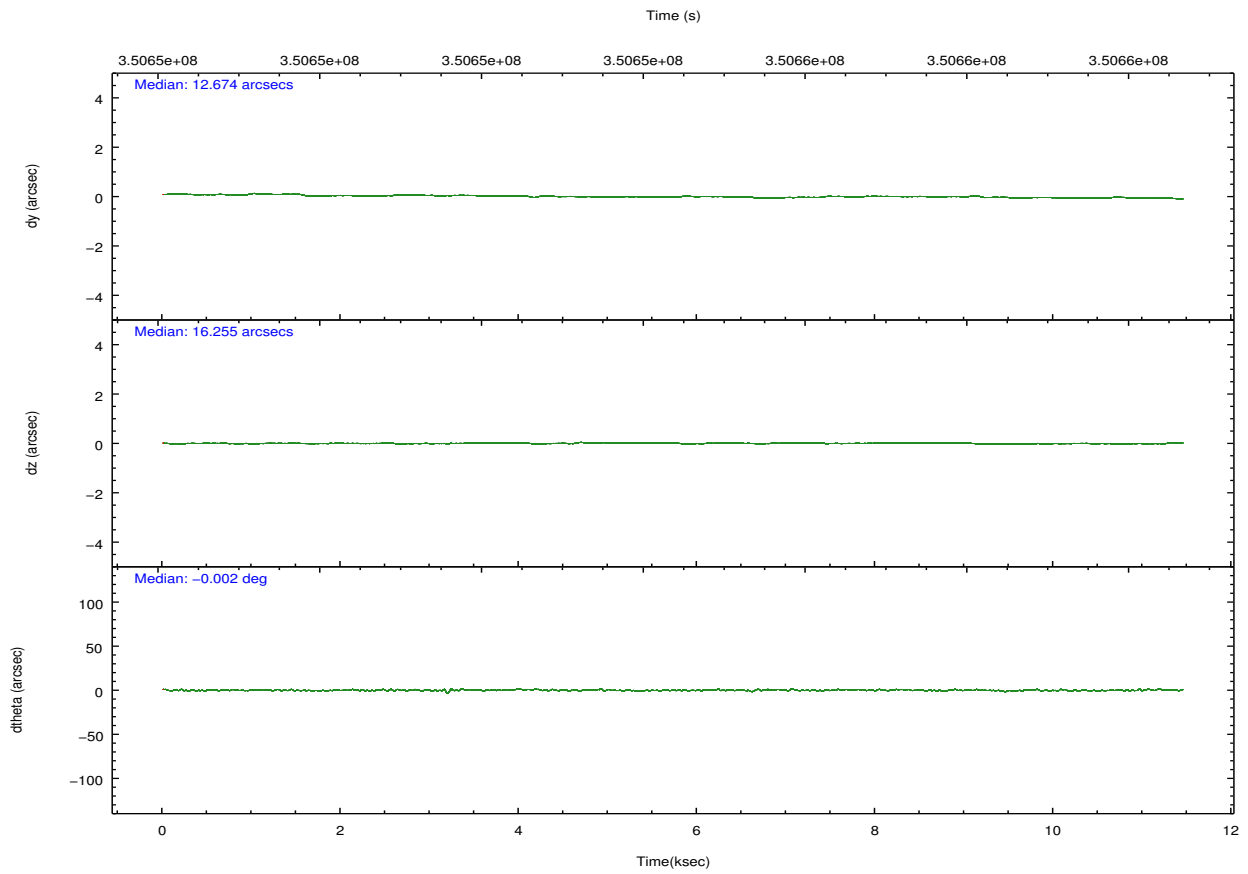
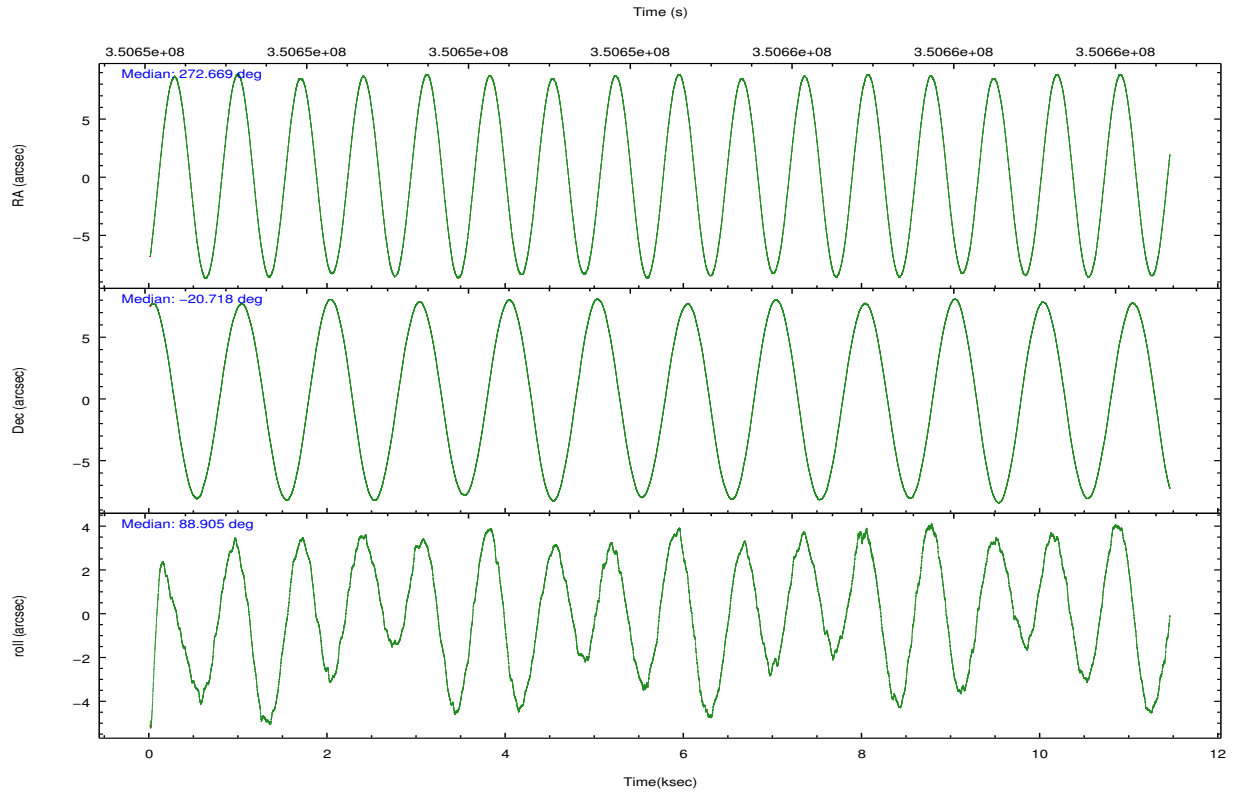
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	74568	75563	84035	80746	87214	77827	grade 0 events	3545	3546	3713	3456	3574	4077
rejected events	65703	66423	75306	72434	78151	38947		4%	4%	4%	4%	4%	5%
rejected %	88%	87%	89%	89%	89%	50%	grade 1 events	49	35	64	55	45	122
								0%	0%	0%	0%	0%	0%
							grade 2 events	2092	1981	1902	1656	1888	8430
								2%	2%	2%	2%	2%	10%
							grade 3 events	905	952	862	889	897	3718
								1%	1%	1%	1%	1%	4%
							grade 4 events	856	962	840	829	893	3712
								1%	1%	0%	1%	1%	4%
							grade 5 events	2421	2687	2235	2787	2782	8284
								3%	3%	2%	3%	3%	10%
							grade 6 events	1471	1702	1414	1489	1819	18961
								1%	2%	1%	1%	2%	24%
							grade 7 events	63229	63698	73005	69585	75316	30523
								84%	84%	86%	86%	86%	39%

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	272.683153	272.6688319552829	CCD I2 on	Y	Y
[deg] Pointing Dec	-20.742222	-20.71819223284085	CCD I3 on	Y	Y
[deg] Pointing Roll	88.707041	88.91065326094962	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)	350650103.184000	350648468.28315	CCD S5 on	N	N
Observation start date	2009-02-10T10:47:17	2009-02-10T10:21:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350660103.184000	350661196.73378	On-chip summing requested	N	N
Observation end date	2009-02-10T13:33:57	2009-02-10T13:53:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



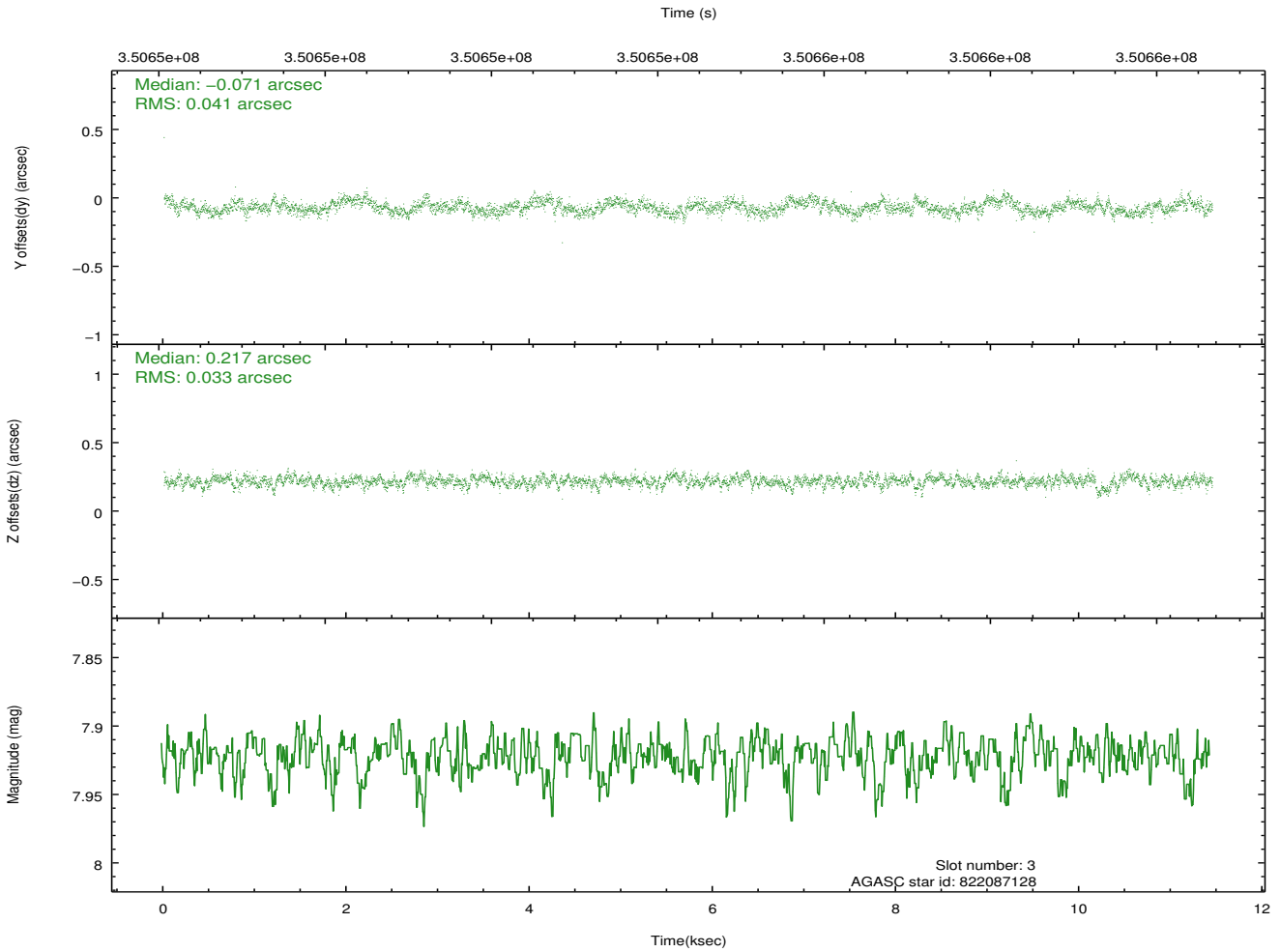
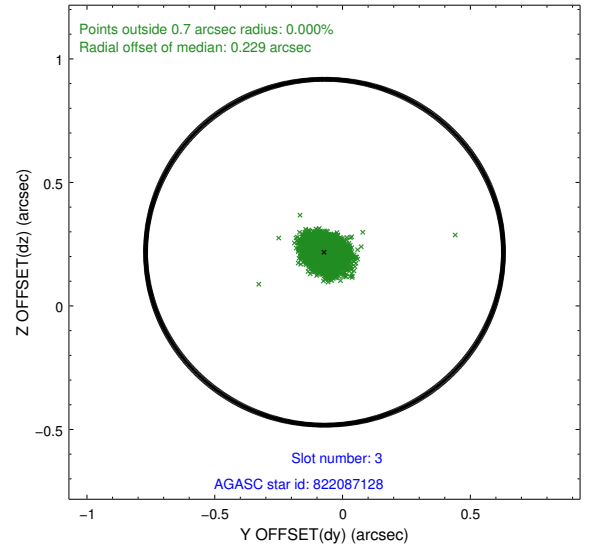
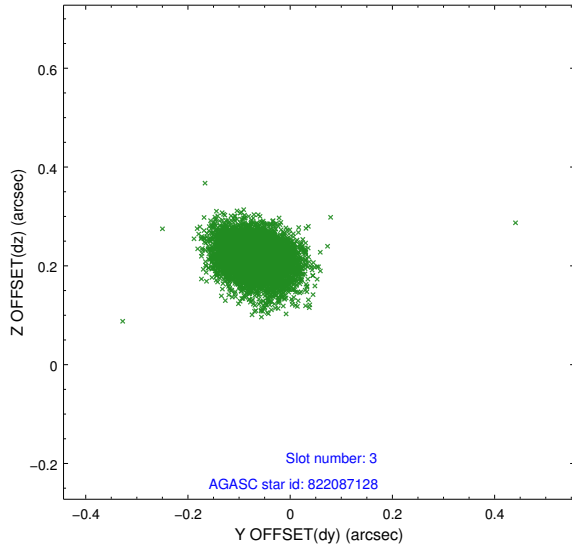


Slot Statistics

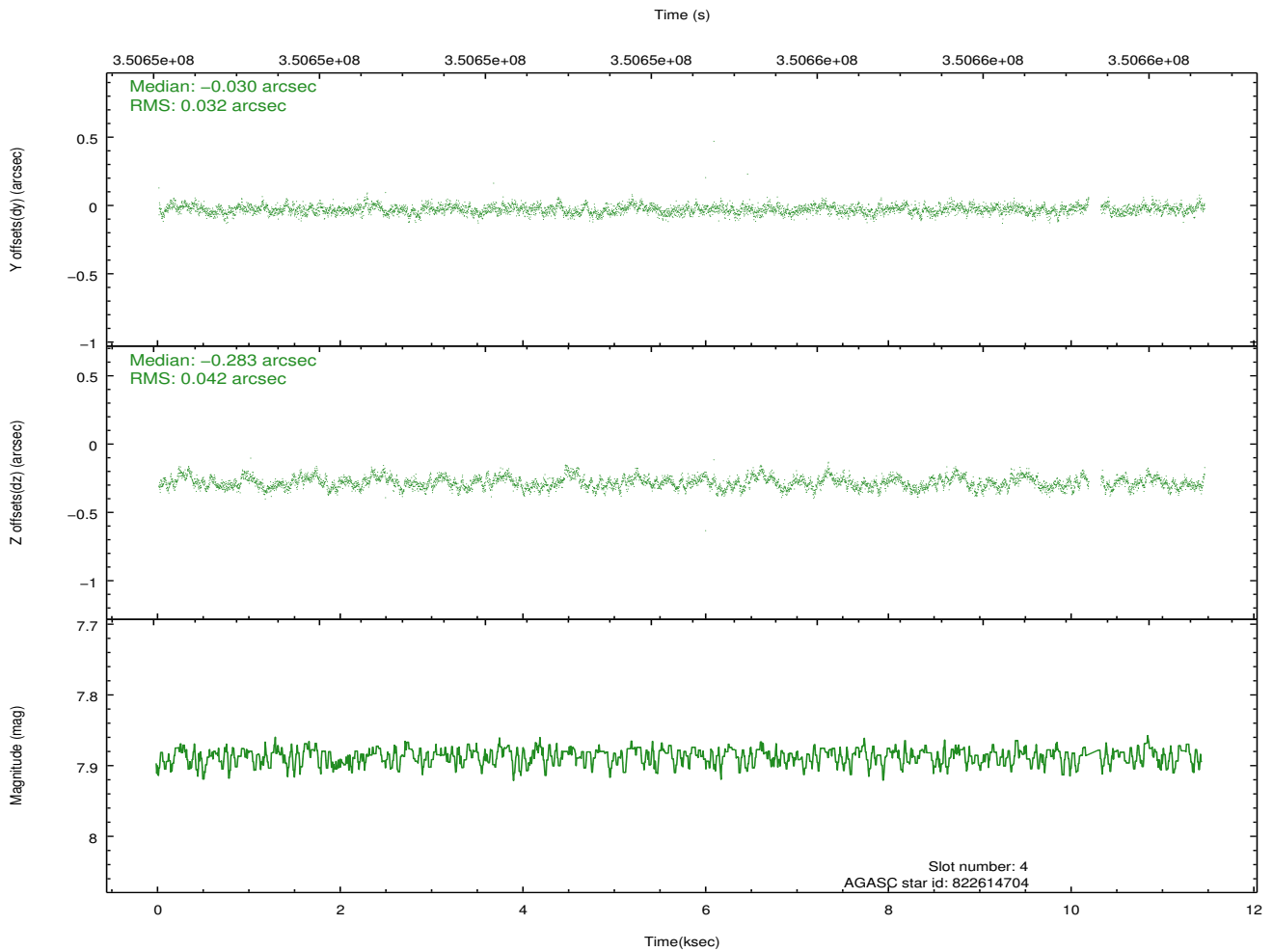
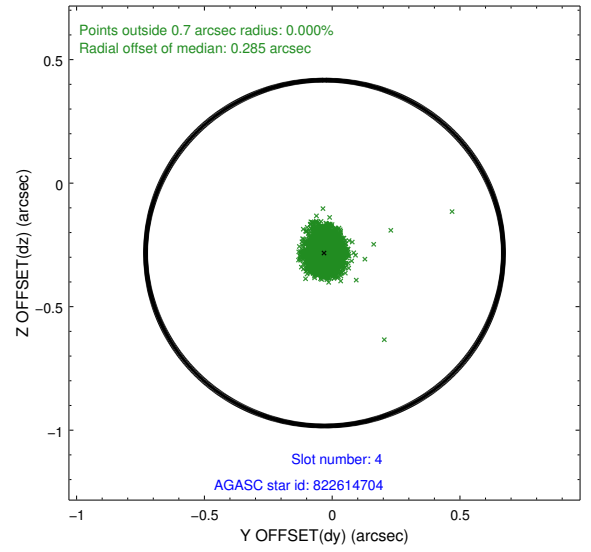
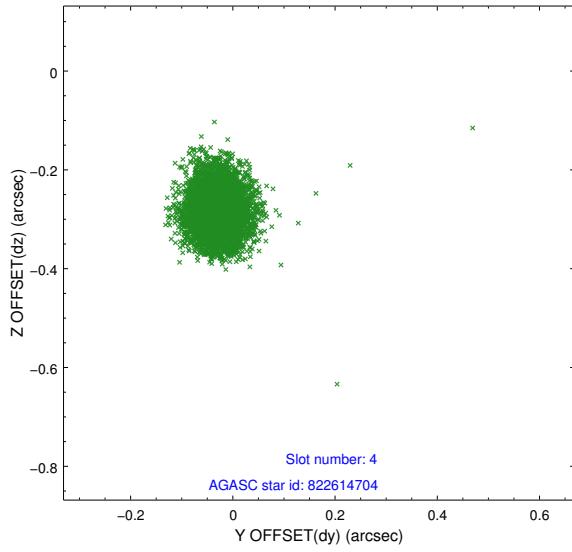
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	2793	-0.012	-0.076	0.008	0.014	0.000000	0.000000	926.83	-839.97
1	FID	ACIS-I-4	6.93	2792	0.151	0.082	0.007	0.013	0.000000	0.000000	2147.29	1059.77
2	FID	ACIS-I-5	7.00	2792	-0.237	0.065	0.008	0.015	0.000000	0.000000	-1820.82	1058.13
3	GUIDE	822087128	7.92	5584	-0.071	0.217	0.054	0.090	272.956072	-20.371006	1356.15	-890.28
4	GUIDE	822614704	7.89	5520	-0.030	-0.283	0.055	0.089	272.076243	-20.843493	-414.29	2032.58
5	GUIDE	822623848	8.71	5582	0.111	0.295	0.079	0.127	273.308240	-21.262400	-1828.67	-2138.46
6	GUIDE	822624480	7.95	5584	0.216	-0.097	0.082	0.136	272.118625	-21.253107	-1885.05	1851.52
7	GUIDE	822102416	7.48	5584	-0.223	-0.133	0.055	0.089	272.173216	-20.087156	2315.45	1777.43

2.4 Star Slots

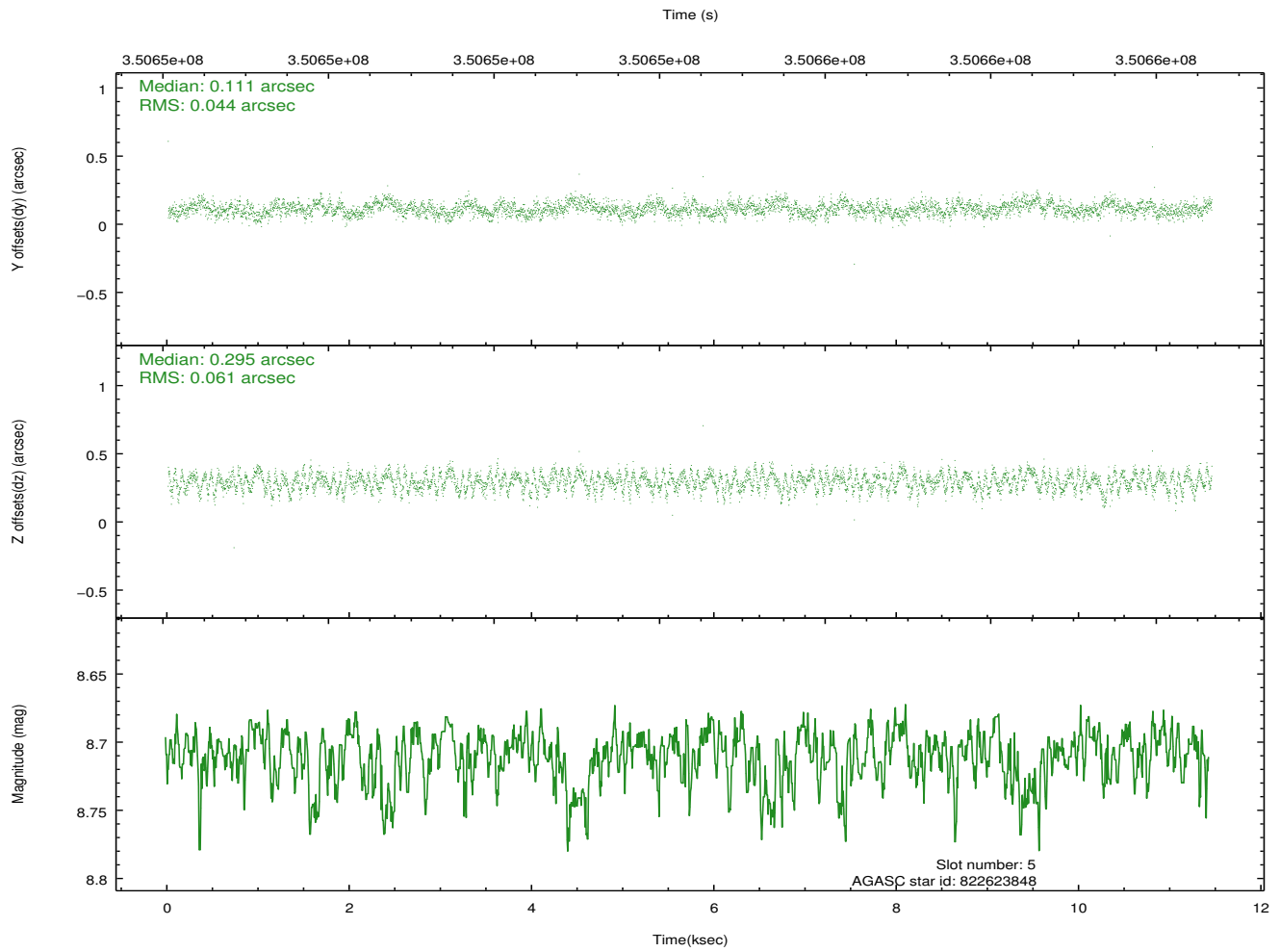
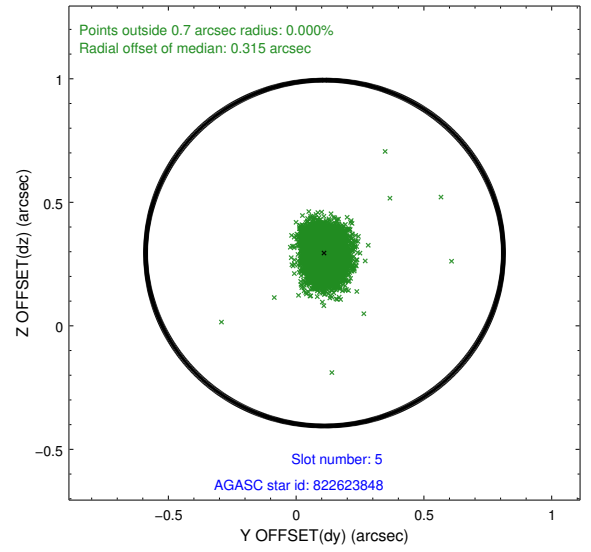
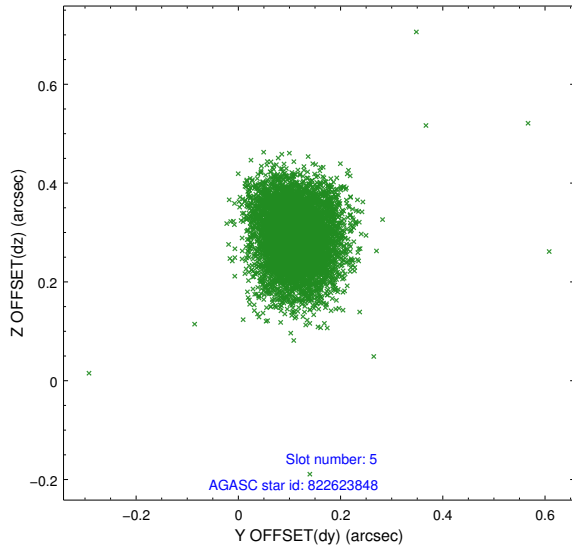
2.4.1 Slot 3



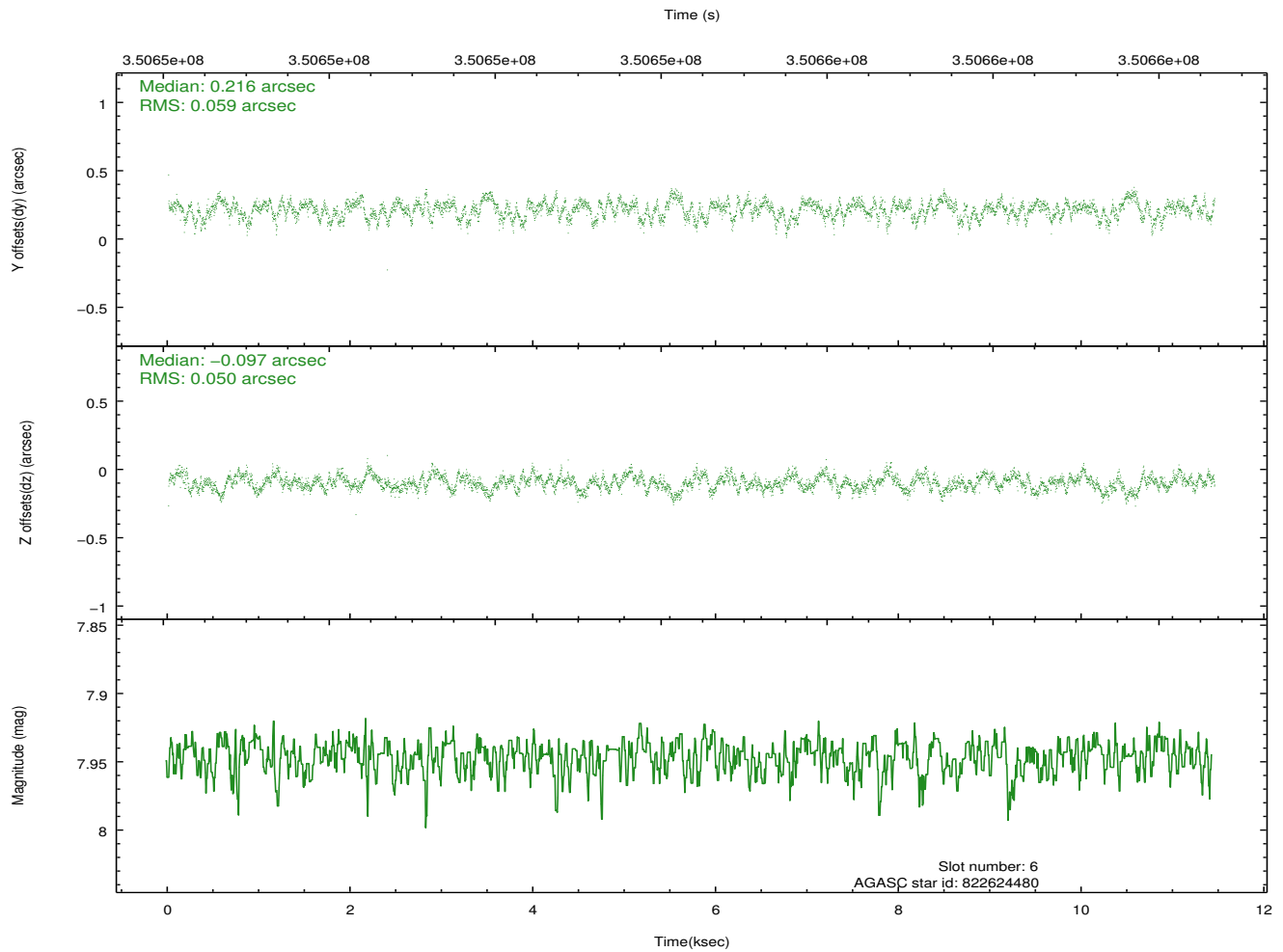
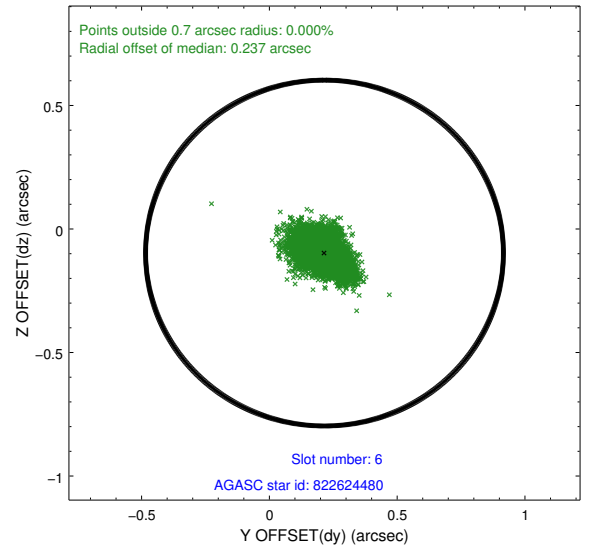
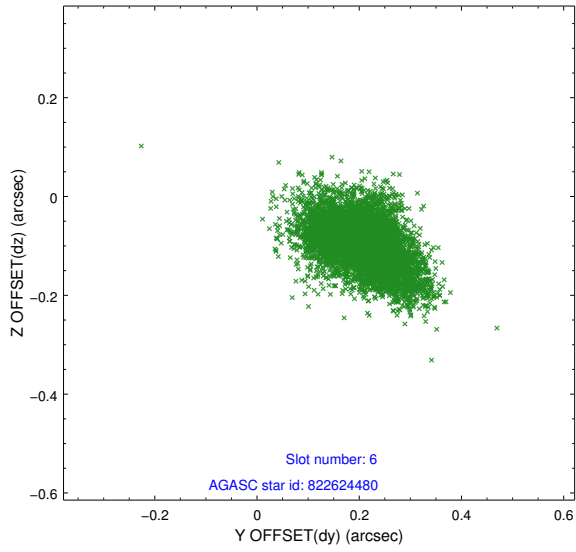
2.4.2 Slot 4



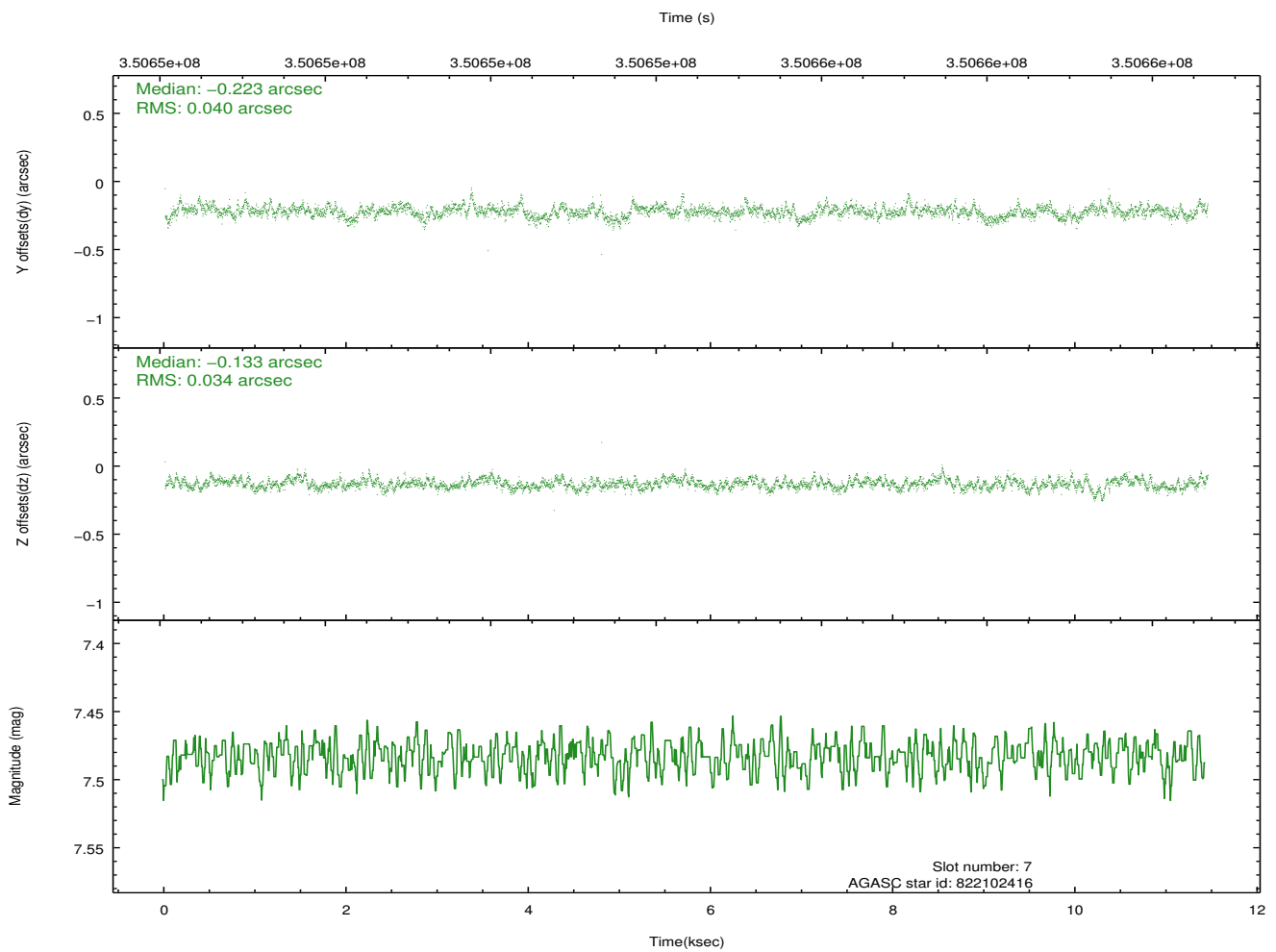
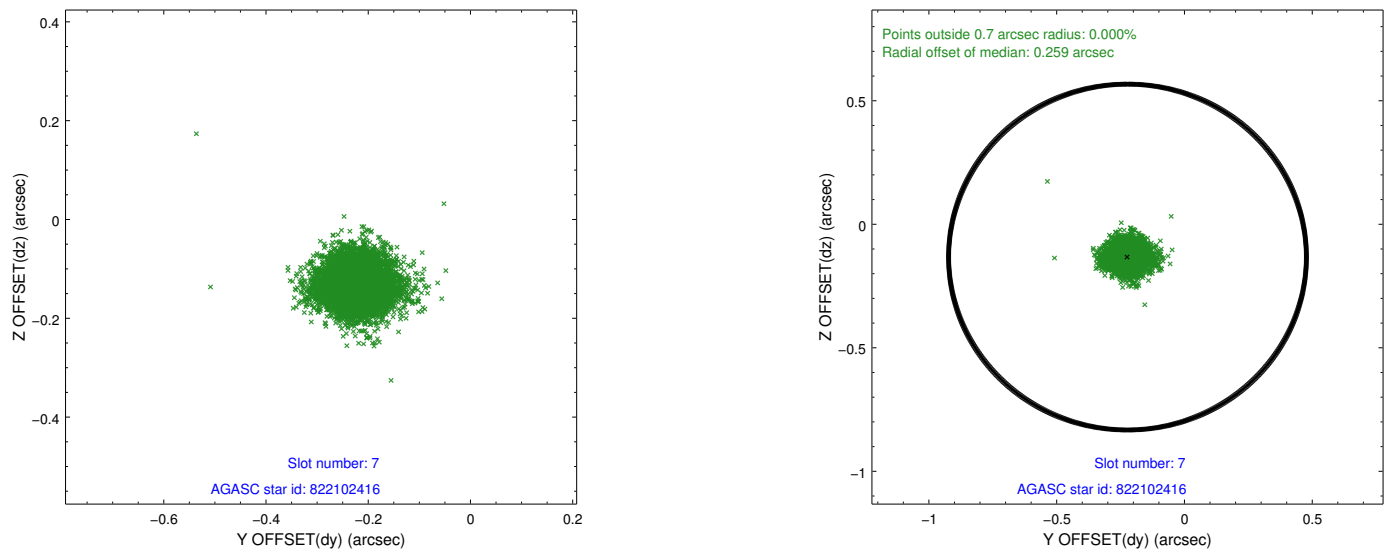
2.4.3 Slot 5



2.4.4 Slot 6

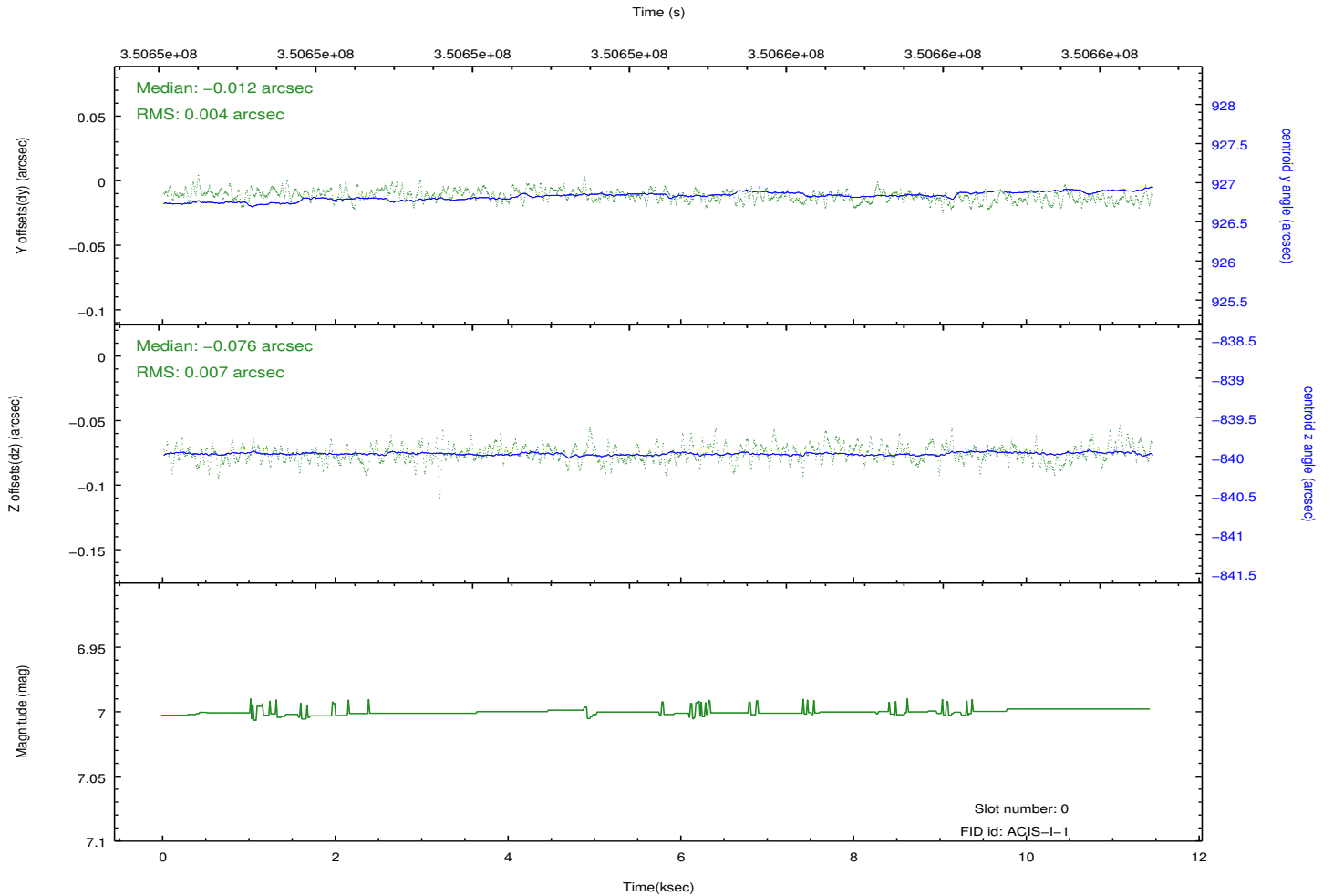
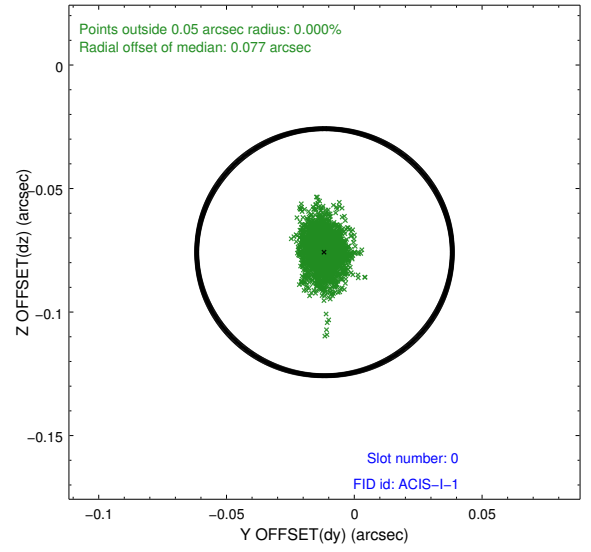
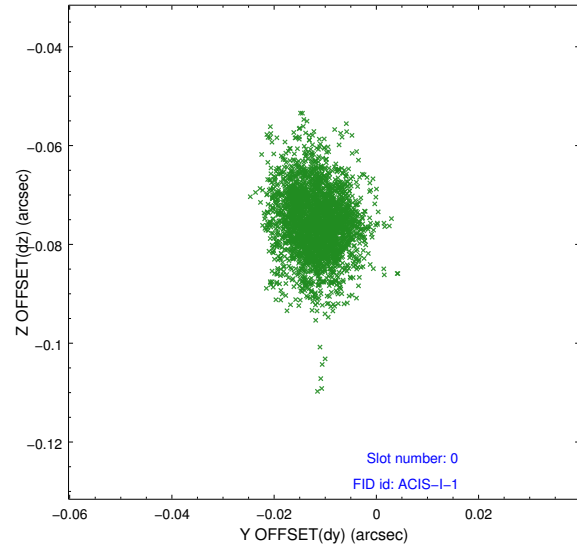


2.4.5 Slot 7

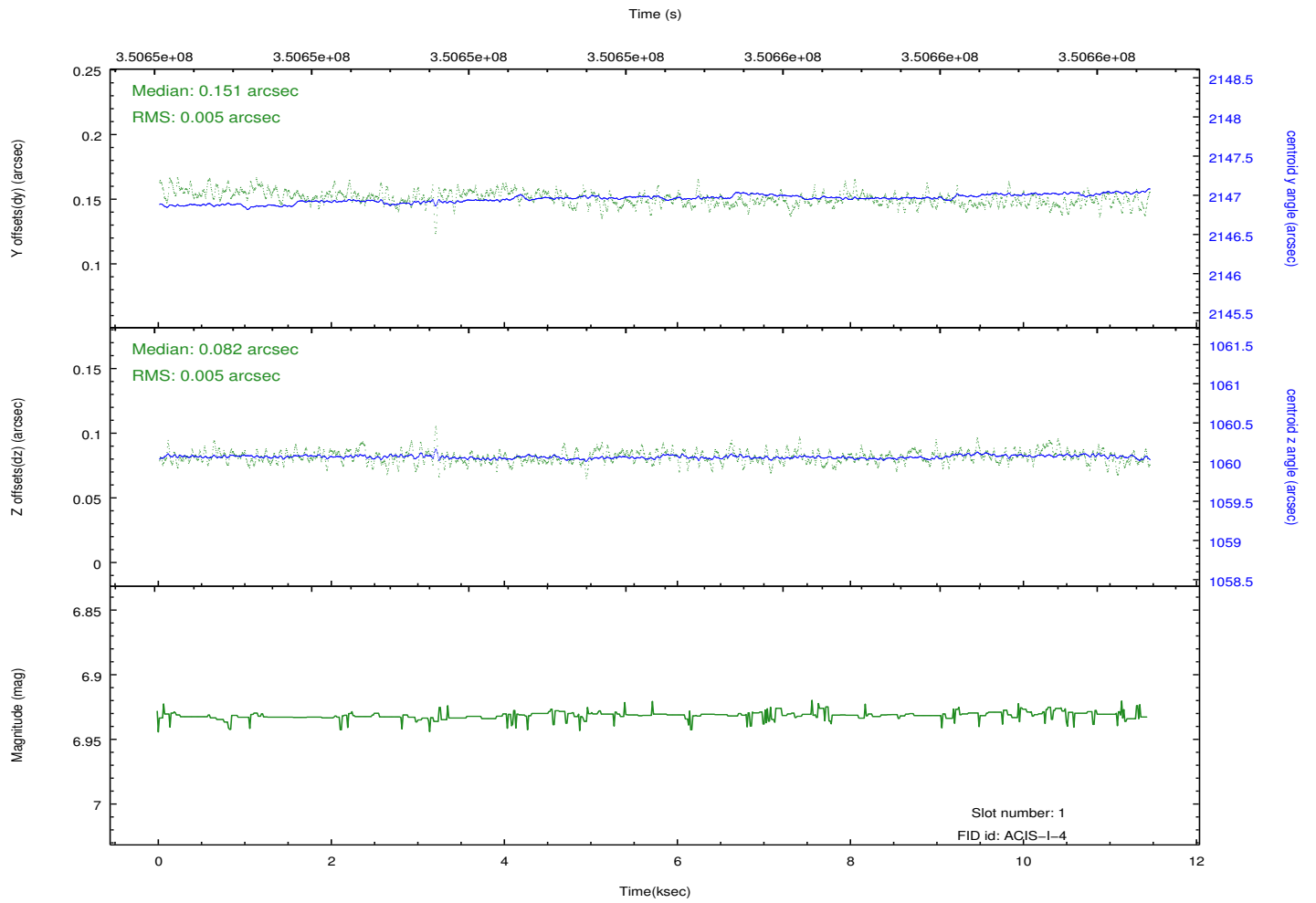
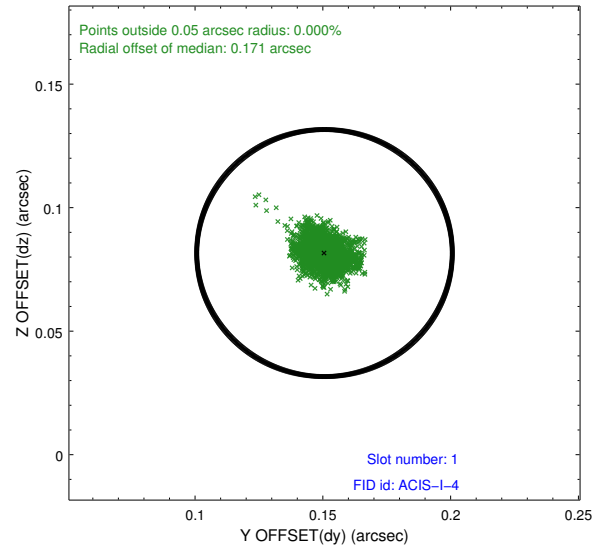
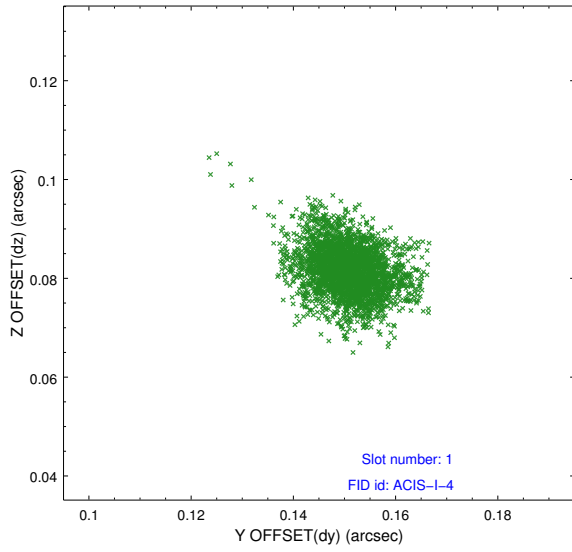


2.5 FID Slots

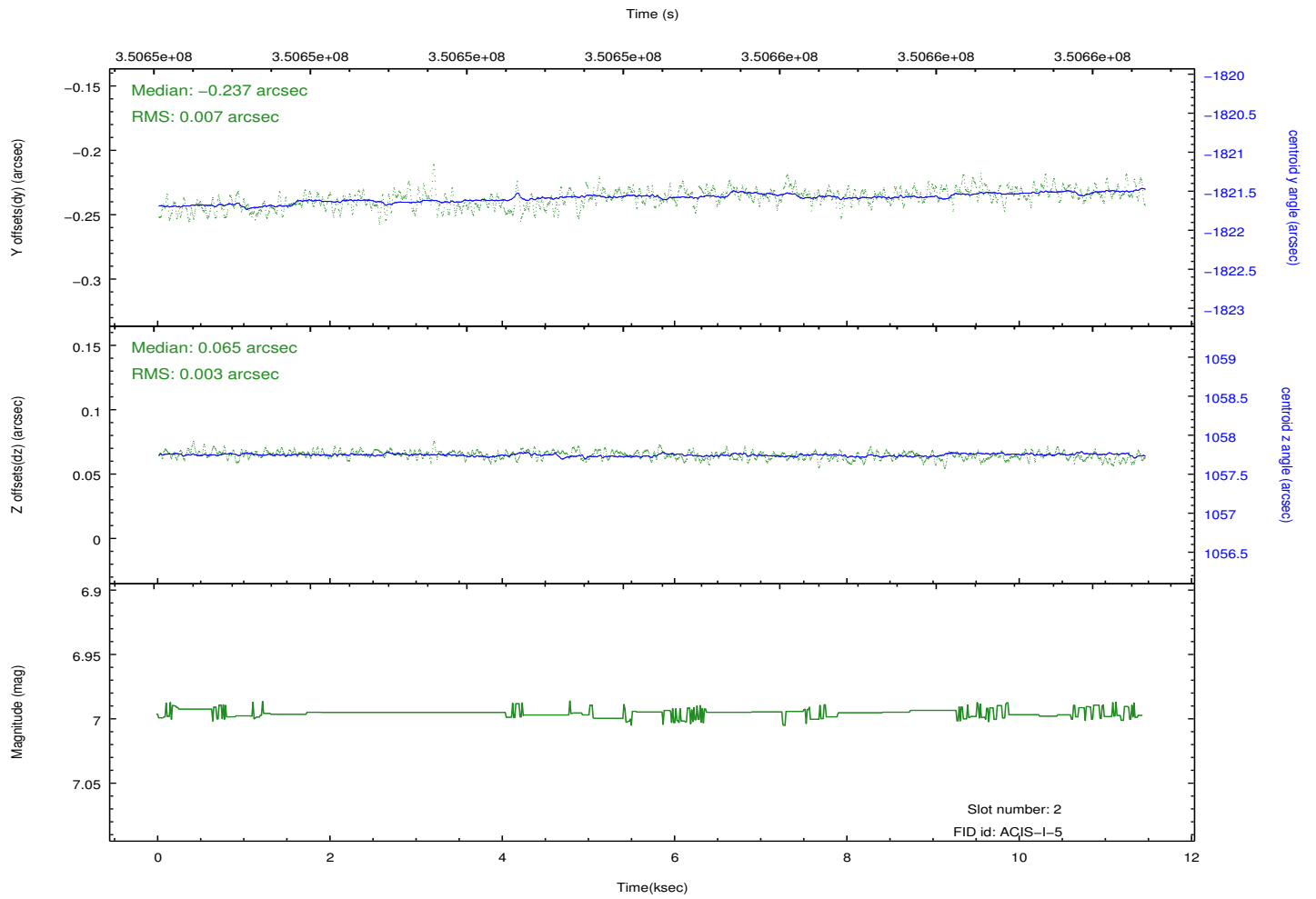
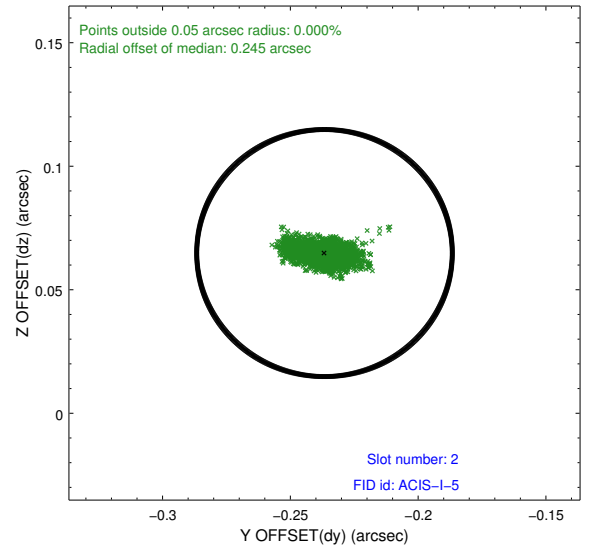
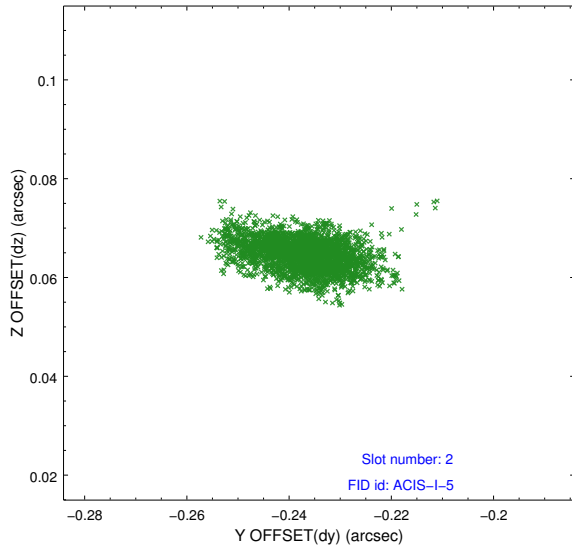
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0415999

A.2 Comments