

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11500 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jun 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

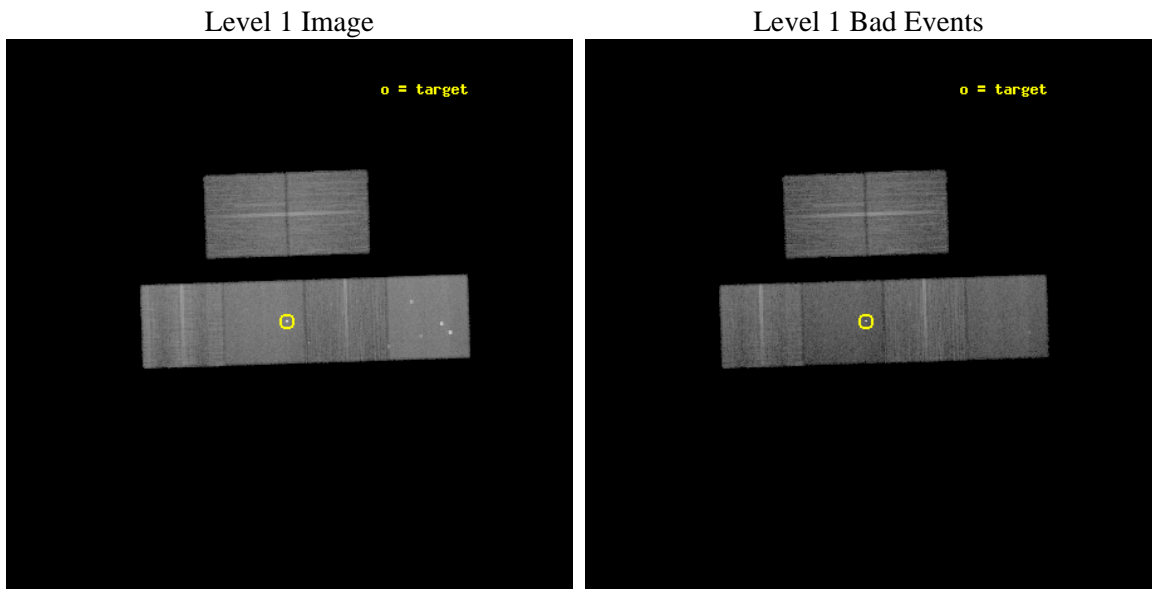
seq_num	702086	Sequence number
obs_id	11500	Observation id
title	The nature of active nuclei in radio galaxies: observations of the 2Jy sample	Proposal title
observer	Dr Martin Hardcastle	Principal investigator
object	PKS 0625-35	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	96.777917	Observer's specified target RA [deg]
dec_targ	-35.487861	Observer's specified target Dec [deg]
ra_nom	96.772772211595	Nominal RA [deg]
dec_nom	-35.490277228106	Nominal Dec [deg]
roll_nom	178.10617878859	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20047.999925375	Sum of GTIs [s]
livetime	19794.140078864	Livetime [s]
ontime2	20047.999925375	Sum of GTIs [s]
ontime3	20047.999925375	Sum of GTIs [s]
ontime5	20047.999925375	Sum of GTIs [s]
ontime6	20047.999925375	Sum of GTIs [s]
ontime7	20047.999925375	Sum of GTIs [s]
ontime8	20047.999925375	Sum of GTIs [s]
l2events	249143	Number of level 2 events



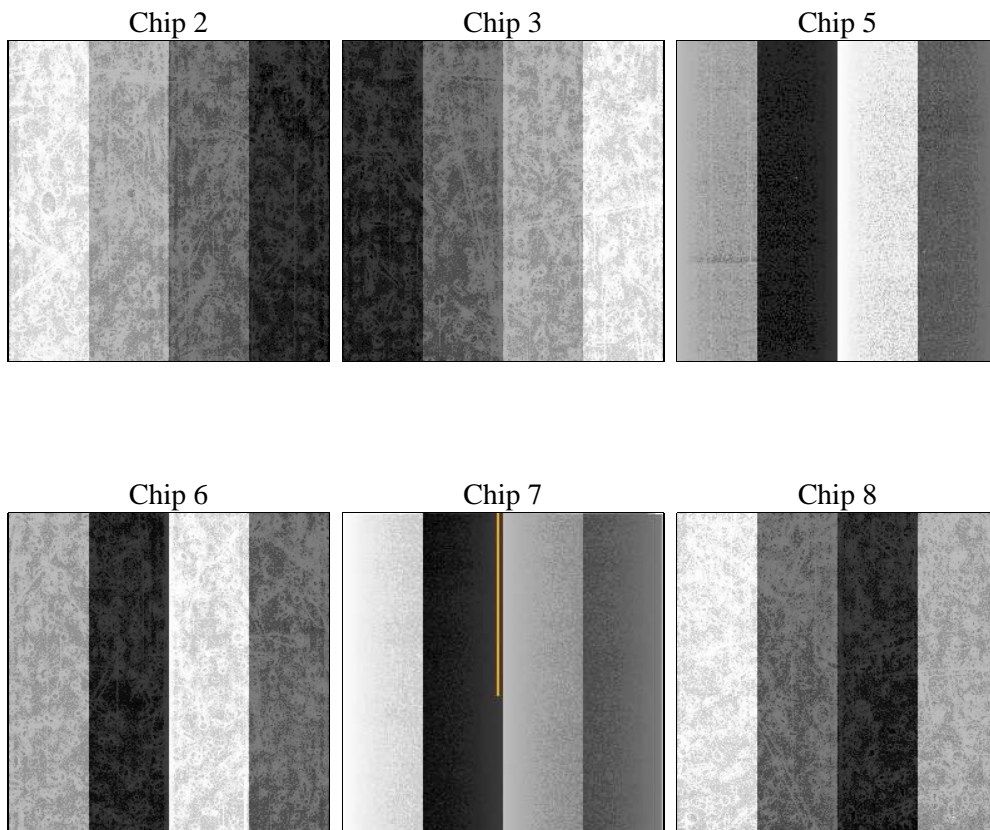
2 OBI

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	8.4.5	Processing system revision	ontime	20047.999925375	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	20047.999925375	Sum of GTIs [s]
date	2012-06-29T10:06:55	Date and time of file creation	ontime3	20047.999925375	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20047.999925375	Sum of GTIs [s]
			ontime6	20047.999925375	Sum of GTIs [s]
			ontime7	20047.999925375	Sum of GTIs [s]
			ontime8	20047.999925375	Sum of GTIs [s]
			l1events	1044333	Number of level 1 events

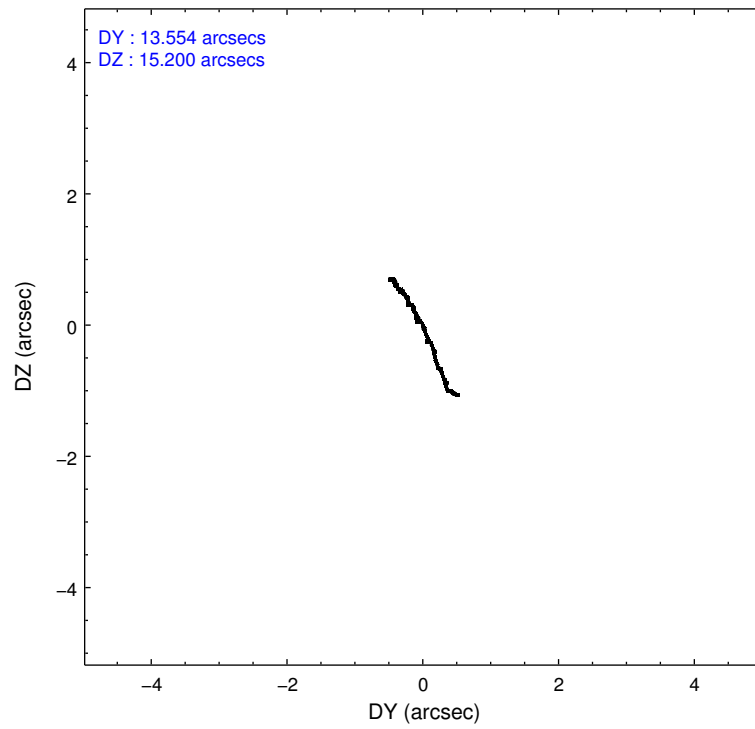
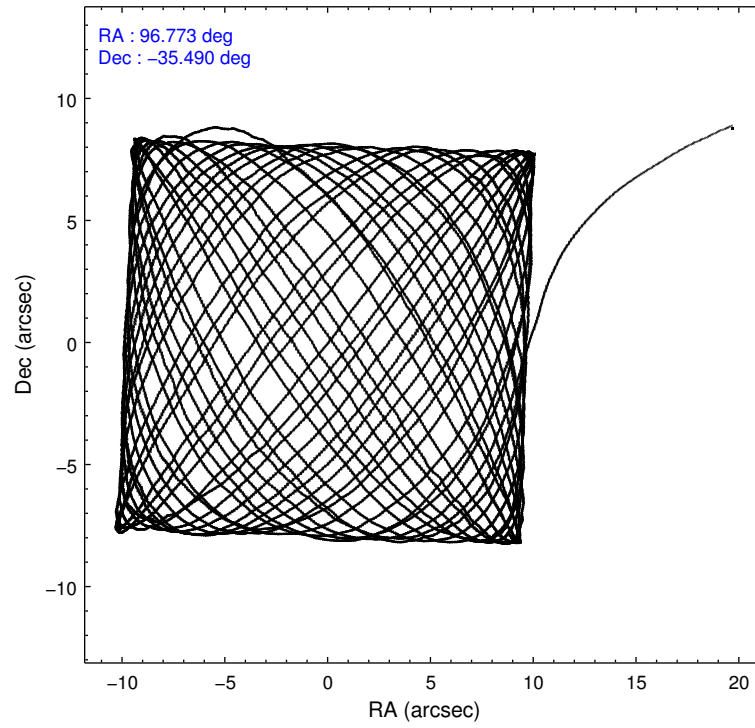
2.1.4 Events

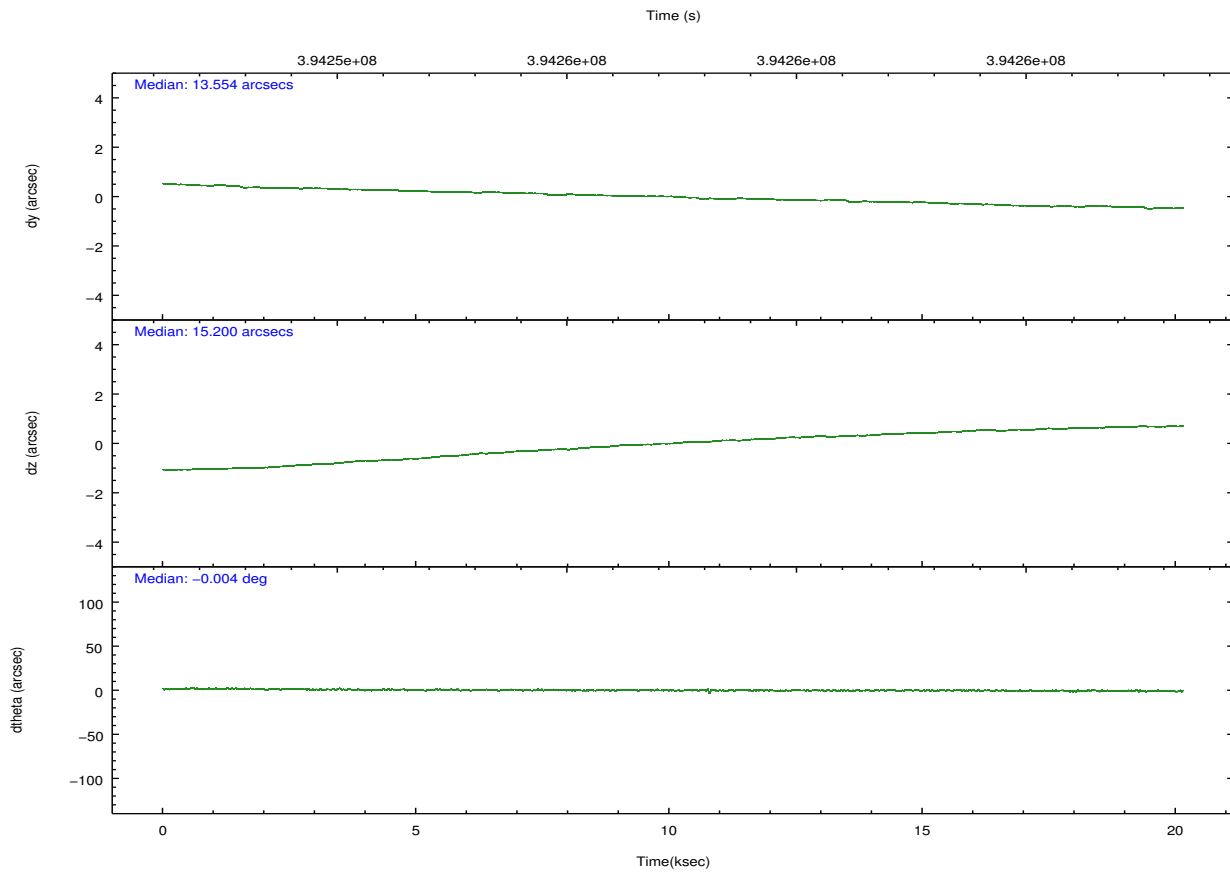
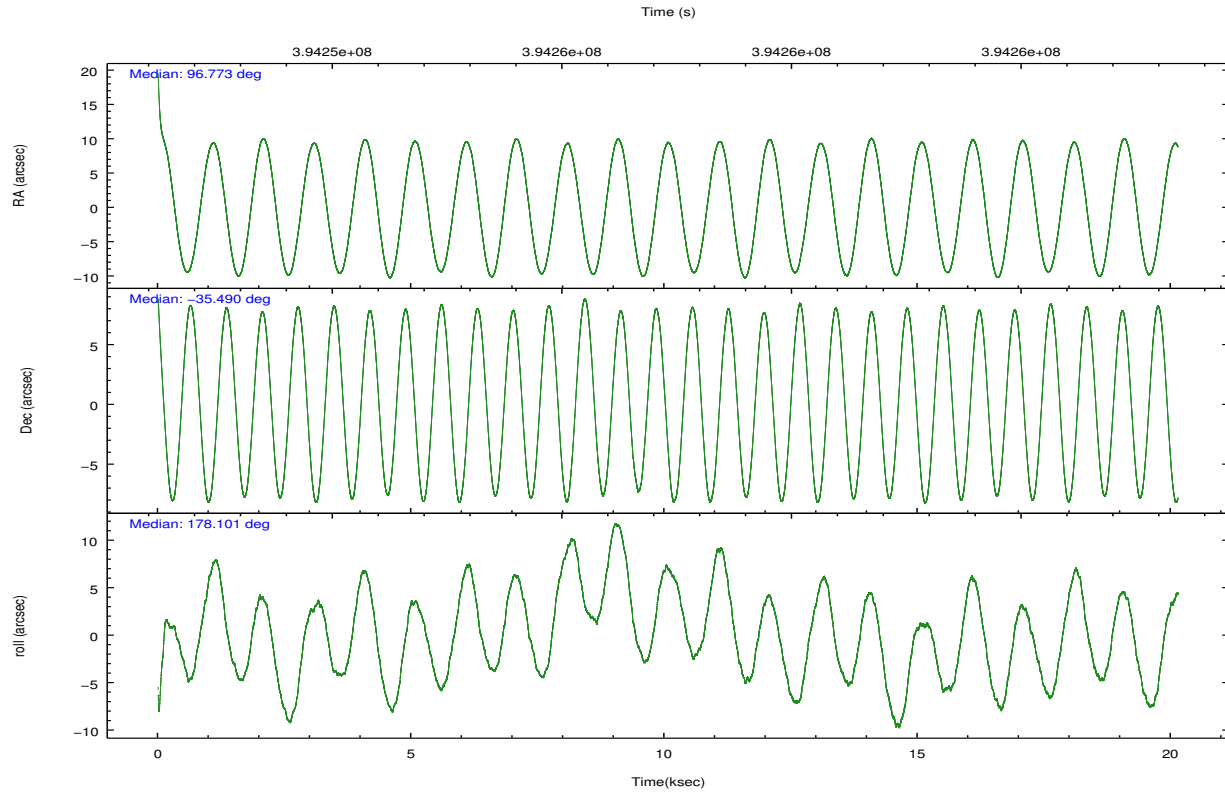
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	150847	140892	225541	148193	190686	188174	grade 0 events	6062	5417	15514	6645	9723	14487
rejected events	134862	126161	110172	130633	100132	138565		4%	3%	6%	4%	5%	7%
rejected %	89%	89%	48%	88%	52%	73%	grade 1 events	107	72	568	84	361	132
								0%	0%	0%	0%	0%	0%
							grade 2 events	3812	3186	34377	3860	18991	11675
								2%	2%	15%	2%	9%	6%
							grade 3 events	1605	1643	4328	1804	8255	5277
								1%	1%	1%	1%	4%	2%
							grade 4 events	1607	1563	4183	1666	8284	4962
								1%	1%	1%	1%	4%	2%
							grade 5 events	5397	6417	17201	6614	19500	9518
								3%	4%	7%	4%	10%	5%
							grade 6 events	2901	2925	56991	3590	45314	13212
								1%	2%	25%	2%	23%	7%
							grade 7 events	129356	119669	92379	123930	80258	128911
								85%	84%	40%	83%	42%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	96.802138	96.77277221159545	CCD I2 on	O1	Y
[deg] Pointing Dec	-35.477061	-35.4902772281065	CCD I3 on	O2	Y
[deg] Pointing Roll	177.966608	178.1061787885929	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	394247384.184000	394246225.35183	CCD S5 on	N	N
Observation start date	2010-06-30T01:08:38	2010-06-30T00:50:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	394267384.184000	394268519.61547	On-chip summing requested	N	N
Observation end date	2010-06-30T06:41:58	2010-06-30T07:01:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





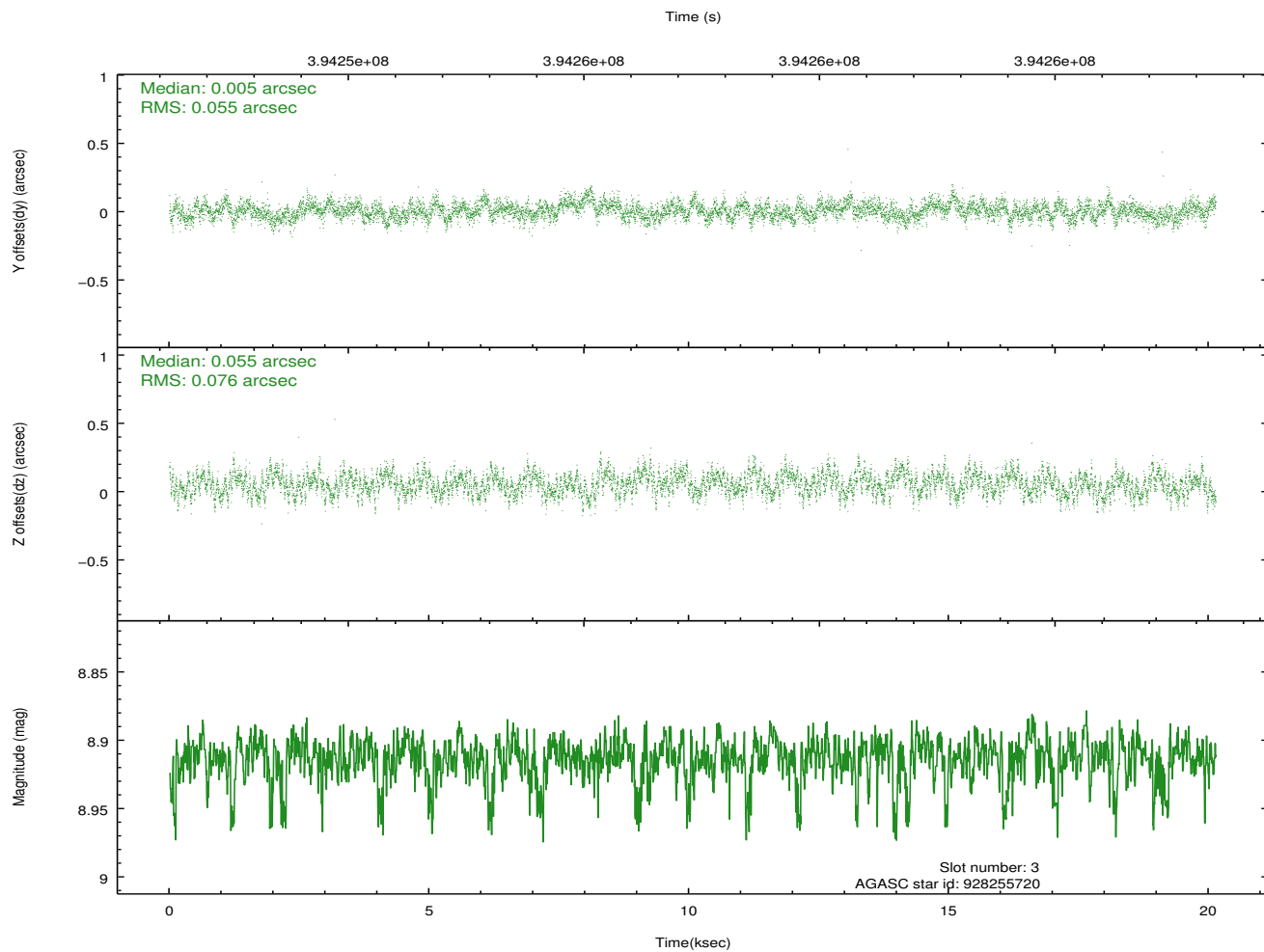
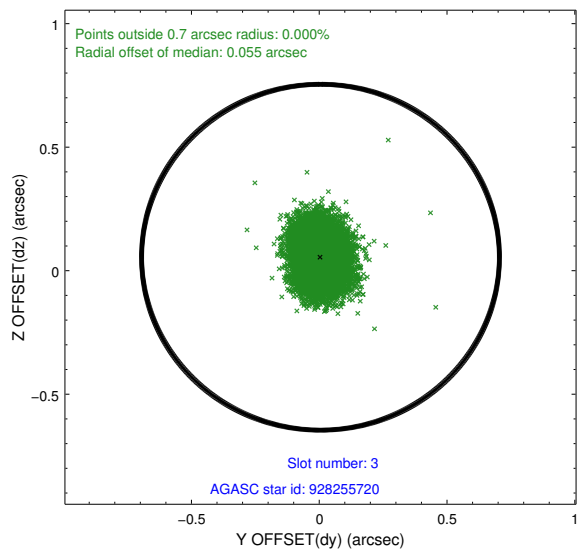
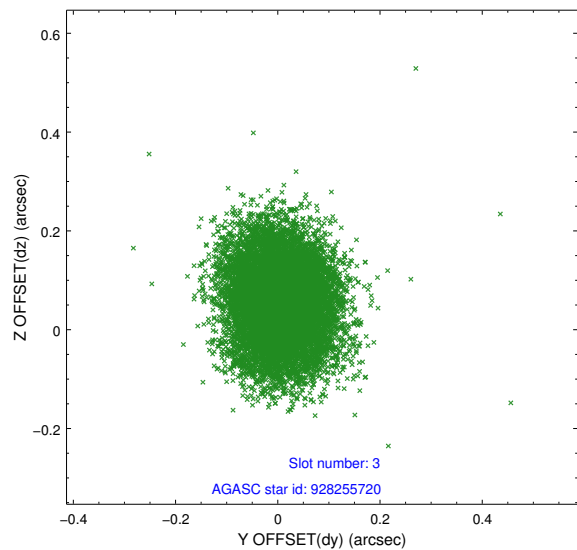
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	4912	-0.113	-0.077	0.020	0.031	0.000000	0.000000	-766.60	-1736.57
1	FID	ACIS-S-4	7.05	4912	0.118	0.059	0.017	0.024	0.000000	0.000000	2146.84	171.83
2	FID	ACIS-S-6	7.18	4912	-0.032	0.026	0.010	0.018	0.000000	0.000000	395.72	809.42
3	GUIDE	928255720	8.91	9819	0.005	0.055	0.099	0.160	97.151676	-35.262154	-999.20	-807.80
4	GUIDE	928650152	8.33	9822	-0.044	-0.084	0.080	0.126	96.426907	-35.697400	1068.13	833.63
5	GUIDE	928784064	9.24	9822	0.001	0.034	0.090	0.148	96.898883	-35.911840	-337.27	1554.64
6	GUIDE	928784360	8.90	9816	-0.054	-0.094	0.081	0.131	96.810931	-36.003239	-92.93	1892.27
7	GUIDE	928656640	8.88	9809	0.091	0.088	0.080	0.129	95.968782	-36.071405	2347.30	2235.20

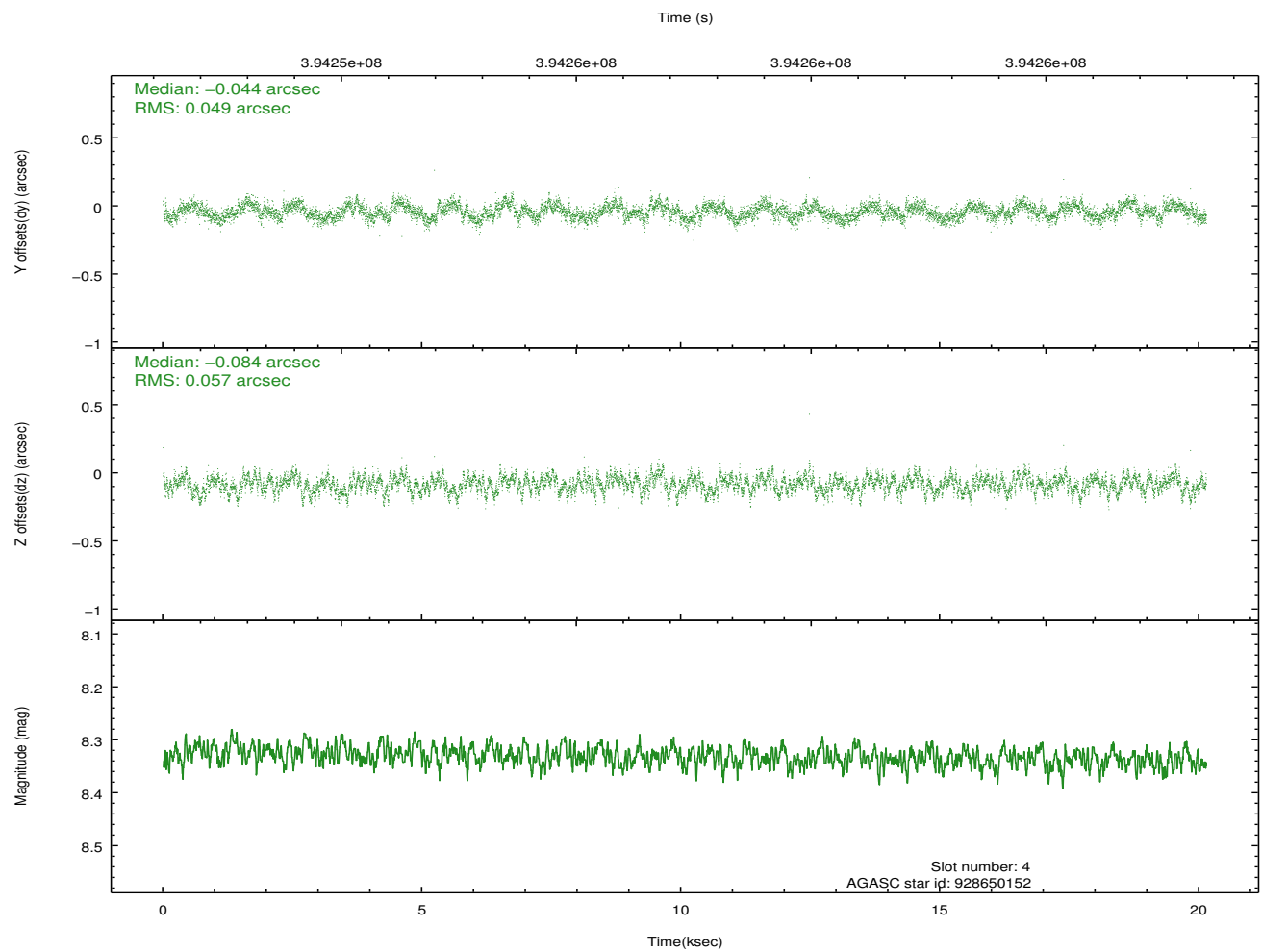
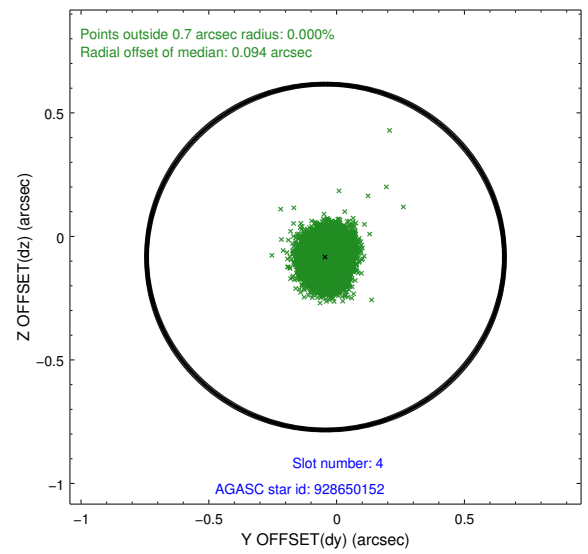
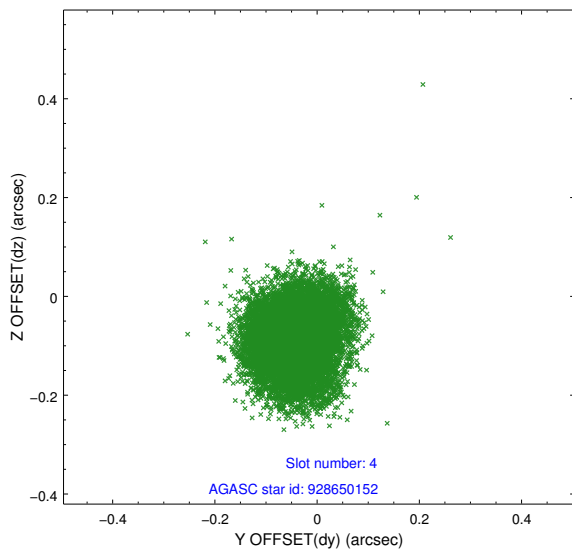
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2.4 Star Slots

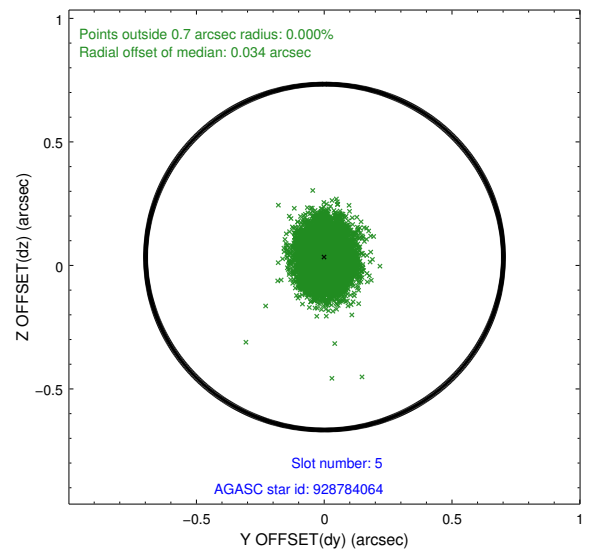
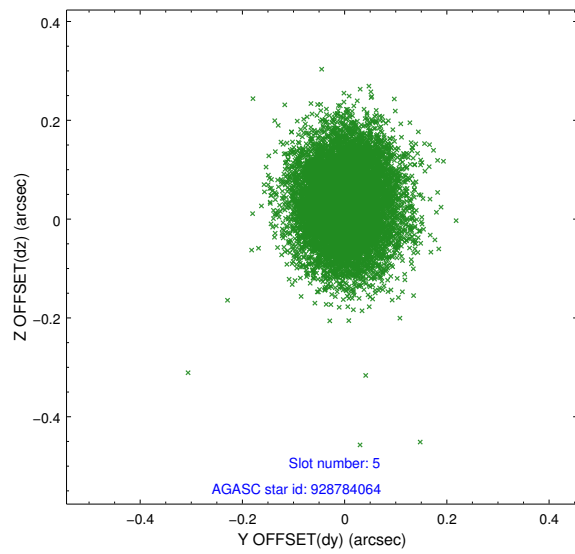
2.4.1 Slot 3



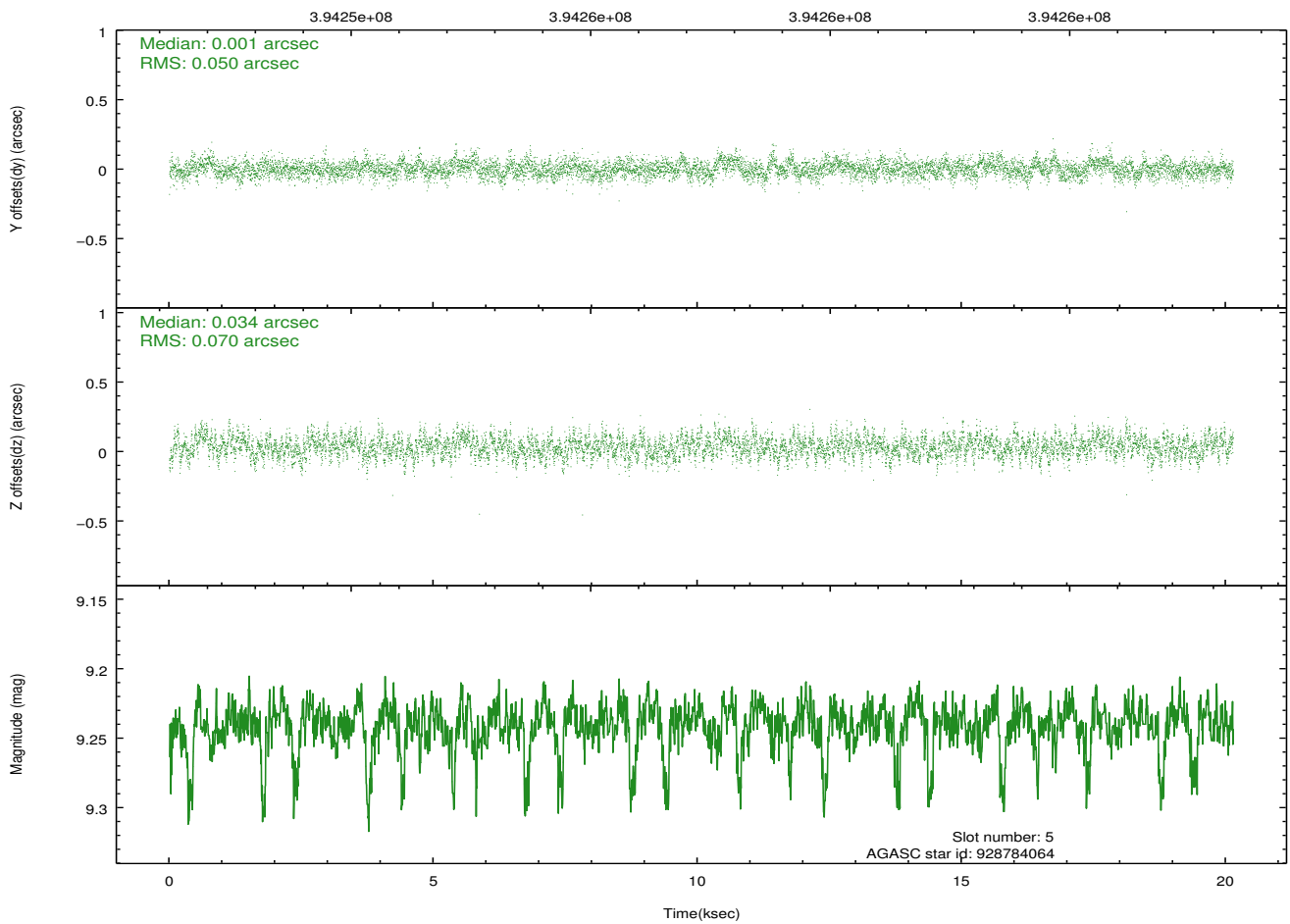
2.4.2 Slot 4



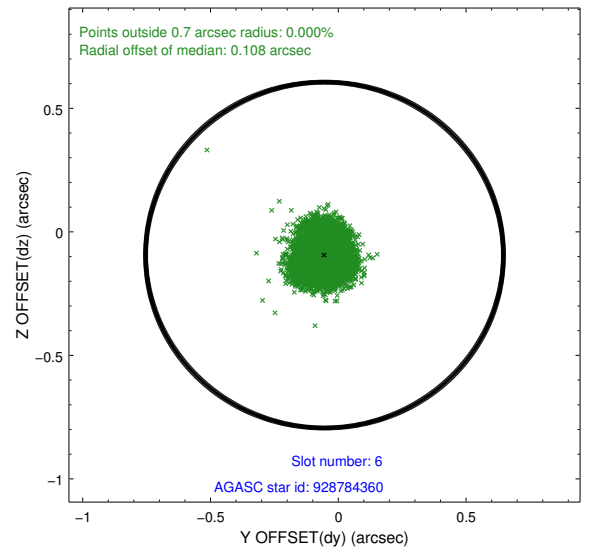
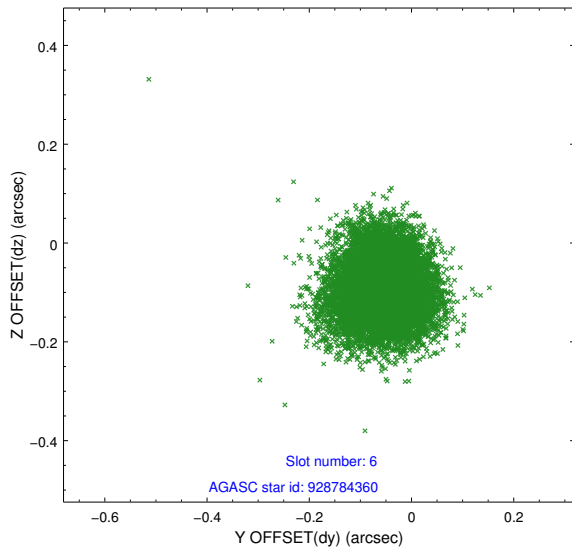
2.4.3 Slot 5



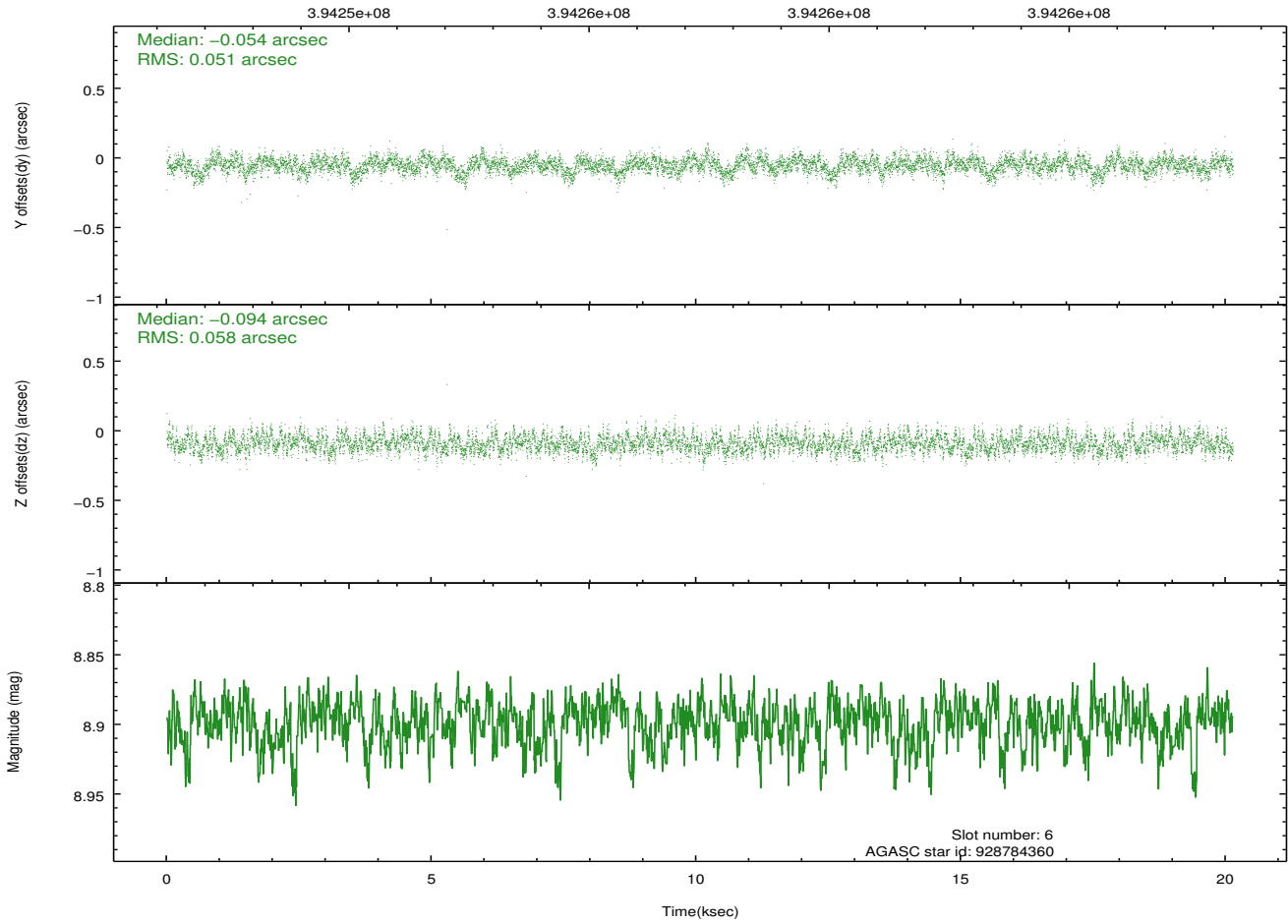
Time (s)



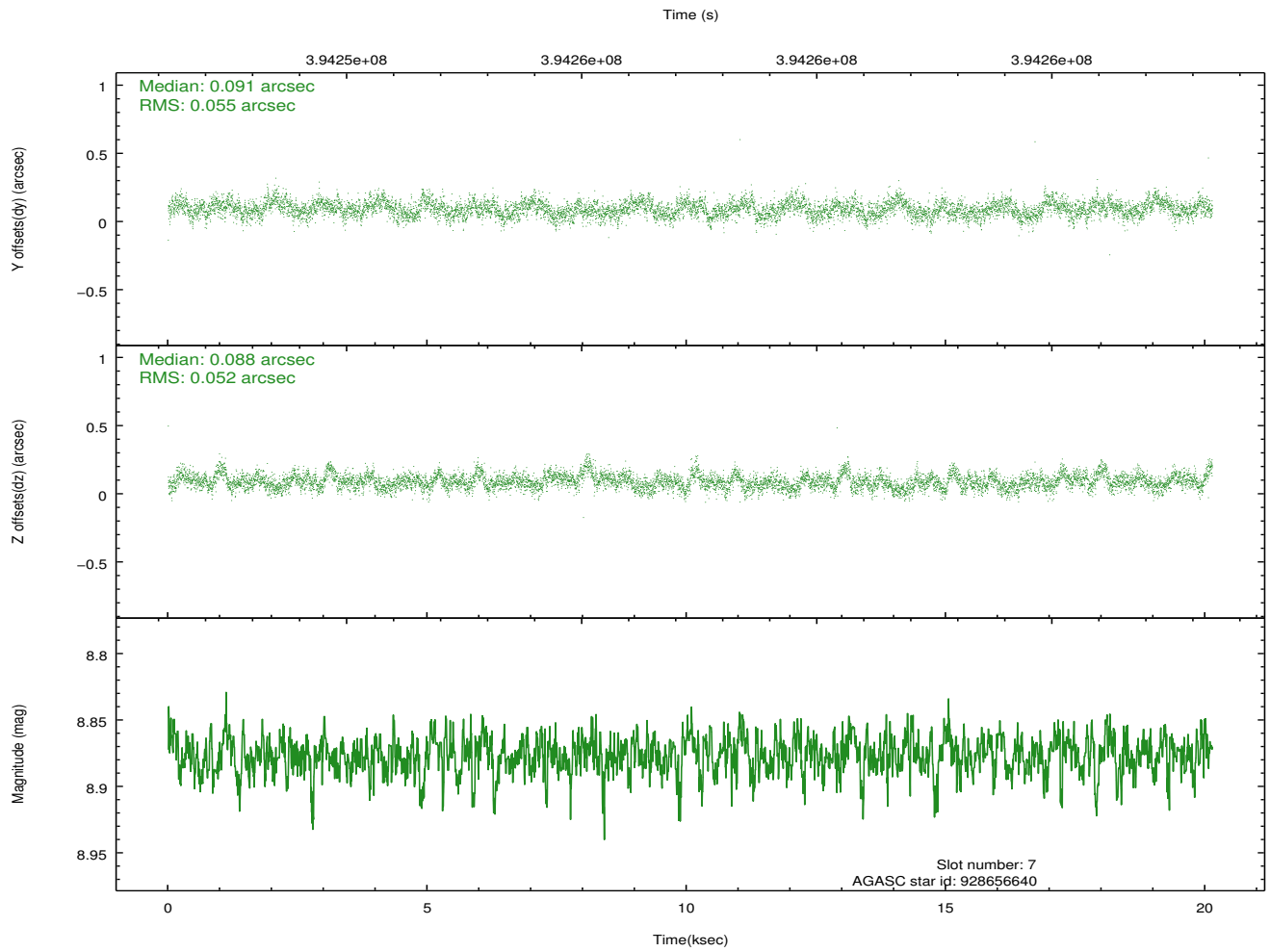
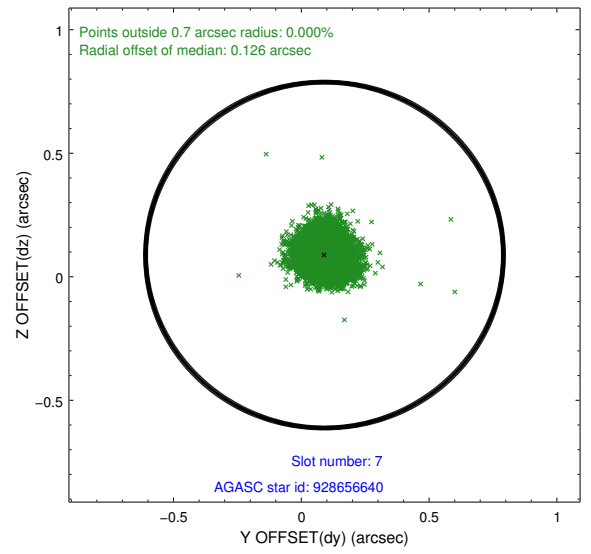
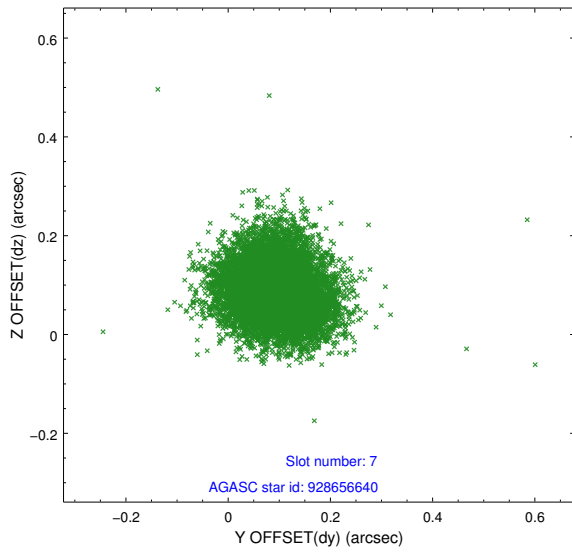
2.4.4 Slot 6



Time (s)

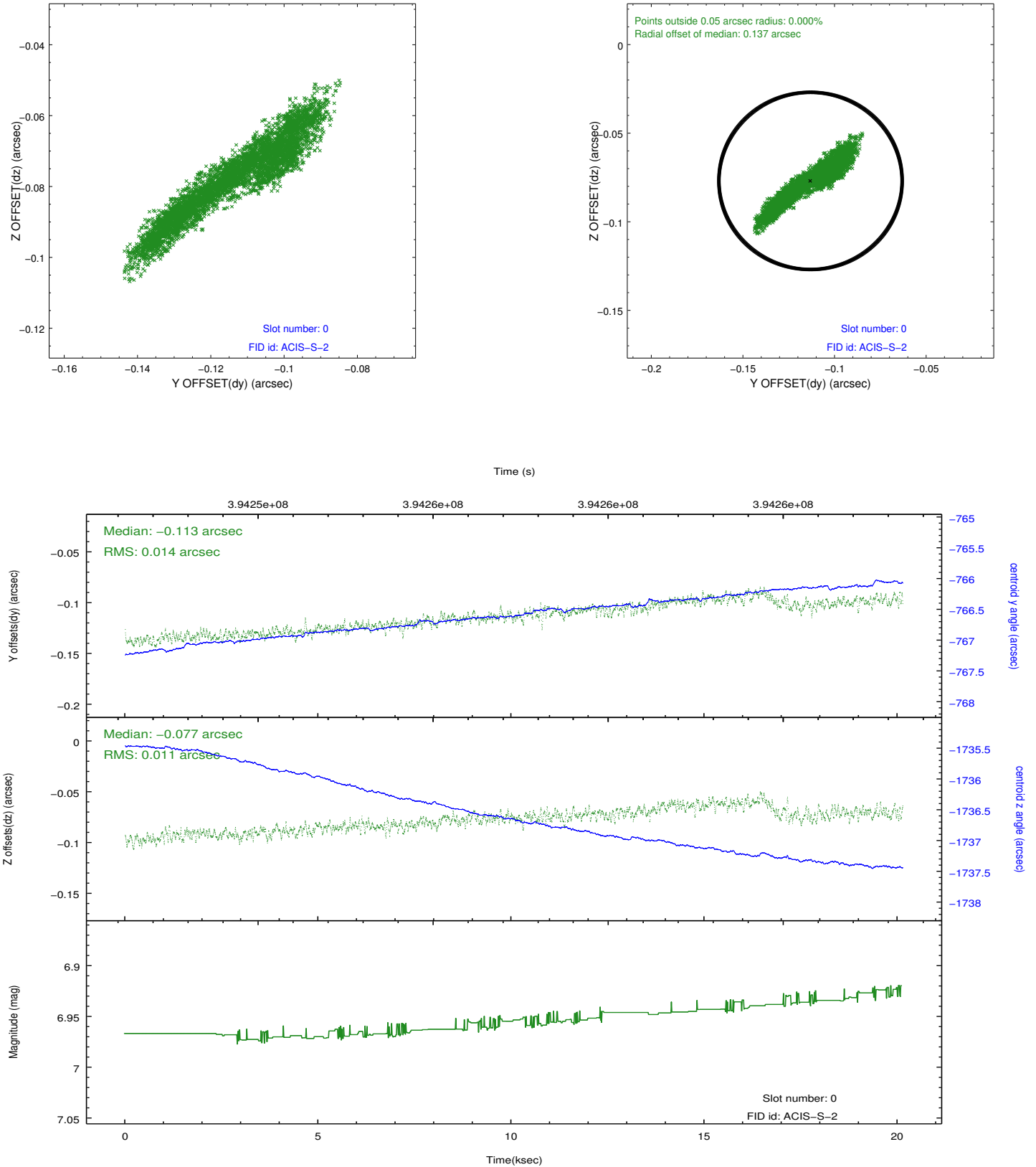


2.4.5 Slot 7

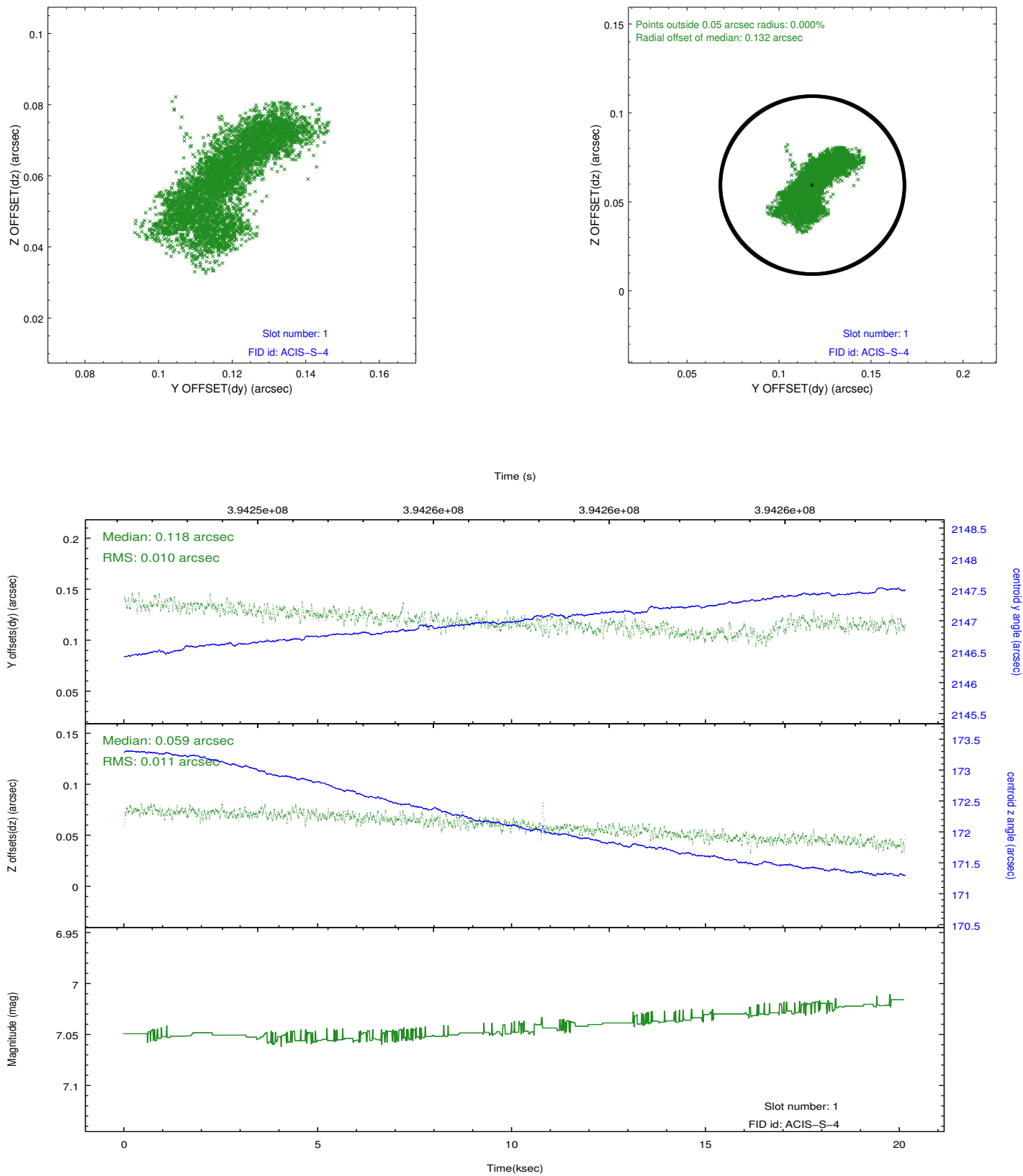


2.5 FID Slots

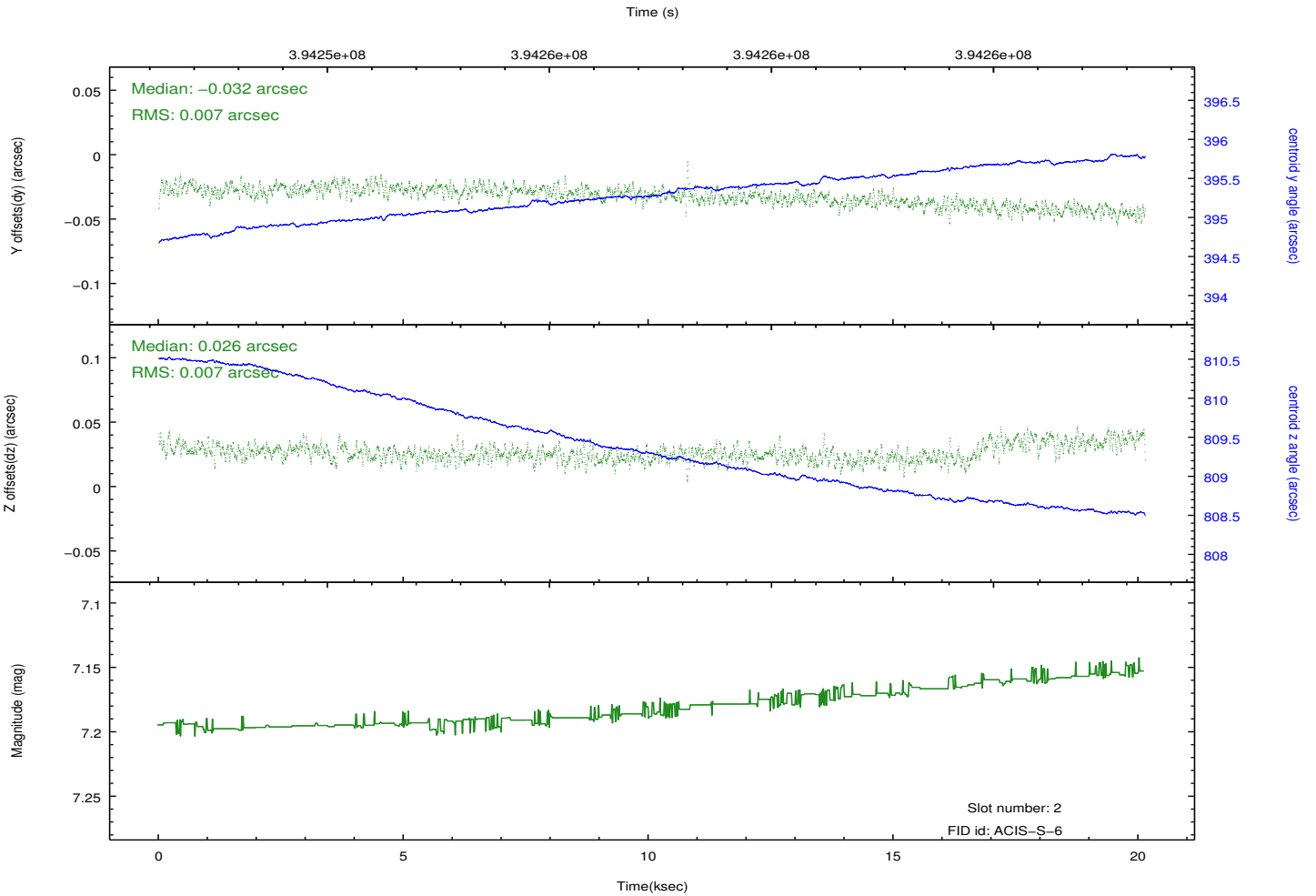
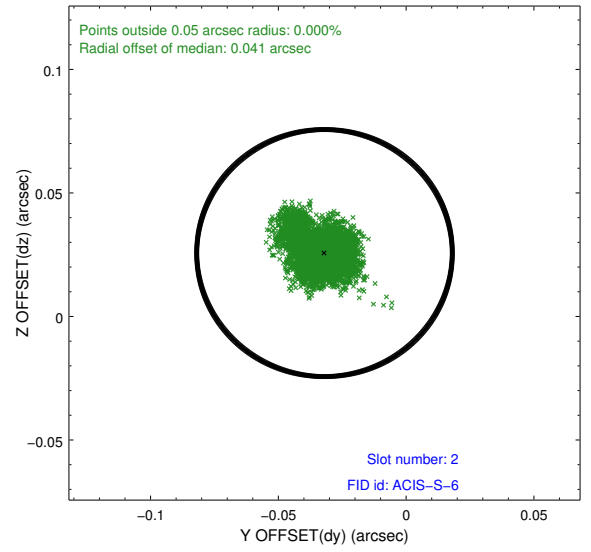
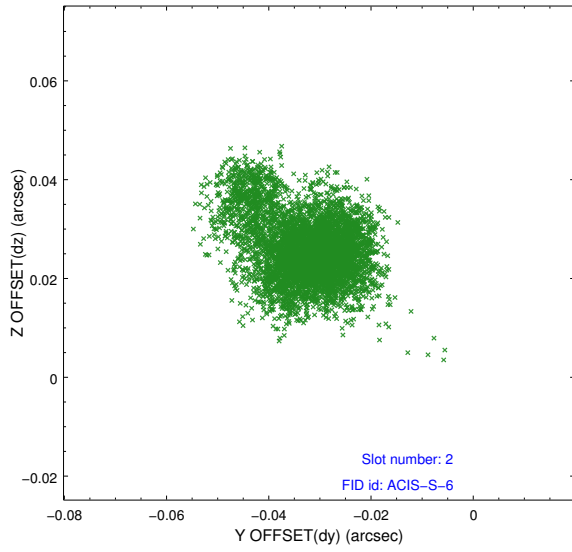
2.5.1 Slot 0



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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.047999925375

A.2 Comments