

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9104 - L2 Version 2
Chandra X-Ray Center

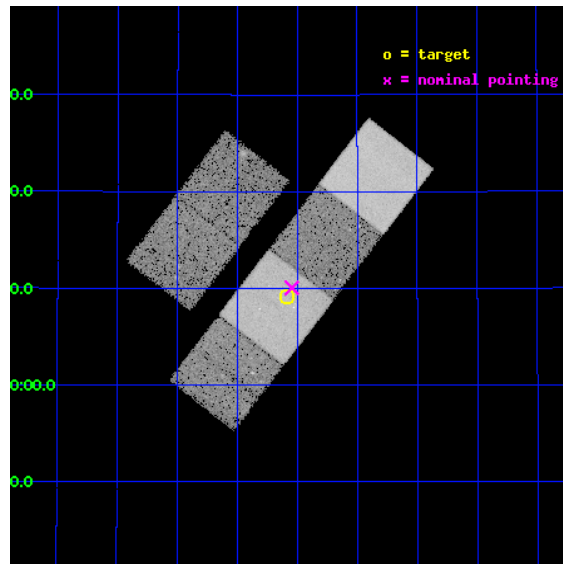
L2 Processing Date : May 8 2012

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1 Front

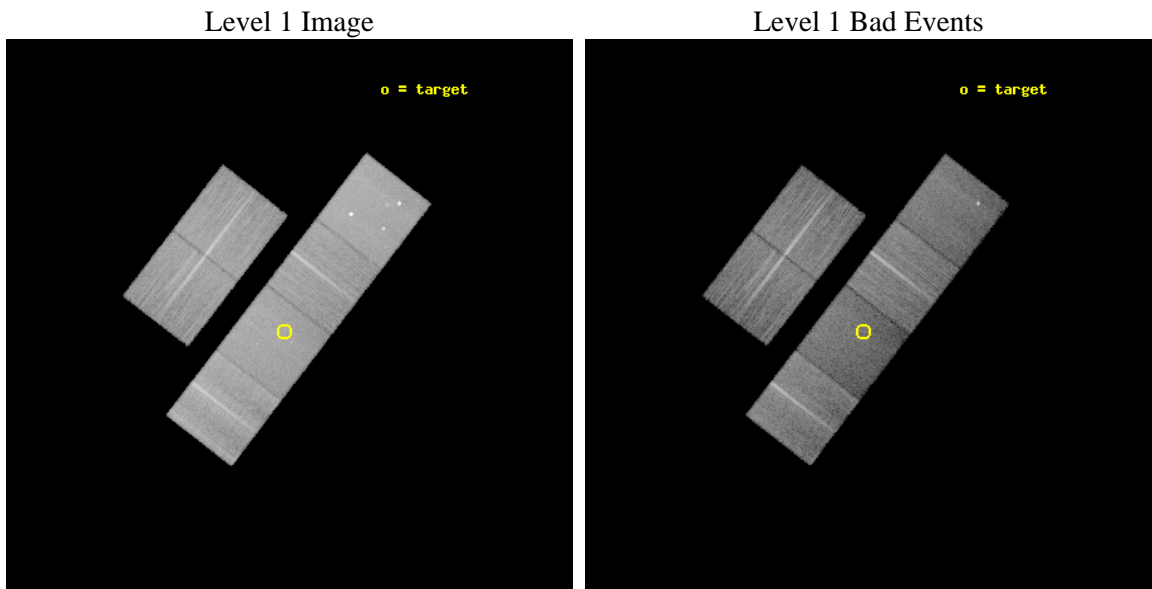
seq_num	500967	Sequence number
obs_id	9104	Observation id
title	Chandra Observations of New X-ray Supernovae	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2007uy	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	137.3975	Observer's specified target RA [deg]
dec_targ	33.152778	Observer's specified target Dec [deg]
ra_nom	137.38633812352	Nominal RA [deg]
dec_nom	33.167622293448	Nominal Dec [deg]
roll_nom	127.62015687614	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18127.999932528	Sum of GTIs [s]
livetime	17898.452282011	Livetime [s]
ontime2	18127.999932528	Sum of GTIs [s]
ontime3	18127.999932528	Sum of GTIs [s]
ontime5	18127.999932528	Sum of GTIs [s]
ontime6	18124.758942246	Sum of GTIs [s]
ontime7	18127.999932528	Sum of GTIs [s]
ontime8	18127.999932528	Sum of GTIs [s]
l2events	210989	Number of level 2 events



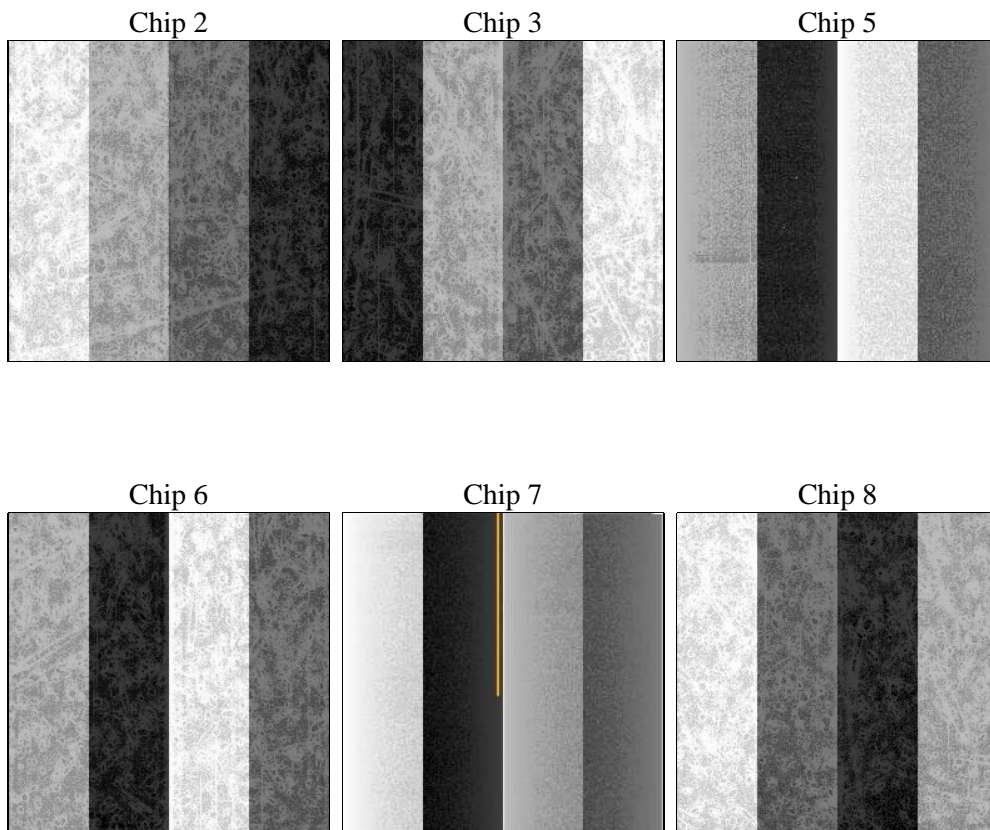
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18127.999932528	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	18127.999932528	Sum of GTIs [s]
date	2012-05-08T03:19:43	Date and time of file creation	ontime3	18127.999932528	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	18127.999932528	Sum of GTIs [s]
			ontime6	18124.758942246	Sum of GTIs [s]
			ontime7	18127.999932528	Sum of GTIs [s]
			ontime8	18127.999932528	Sum of GTIs [s]
			l1events	1004978	Number of level 1 events

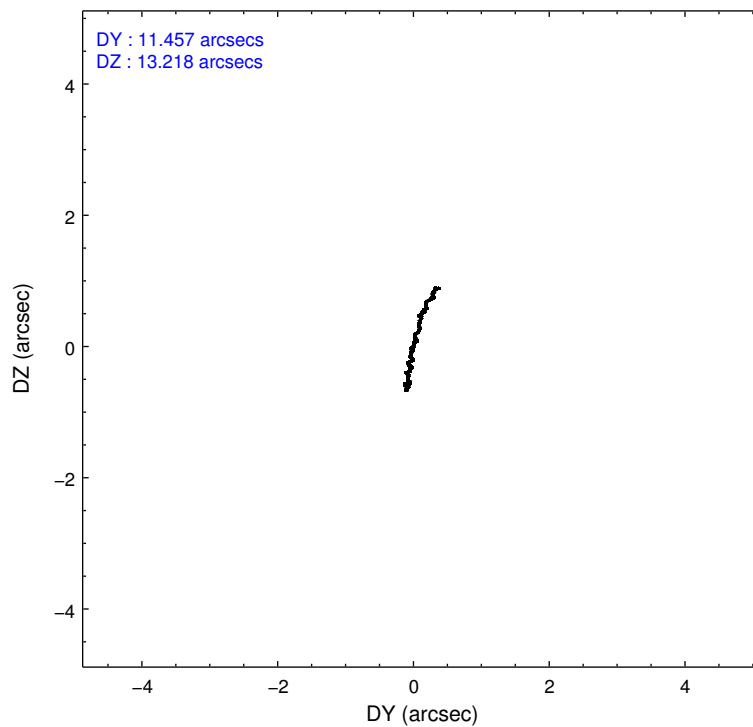
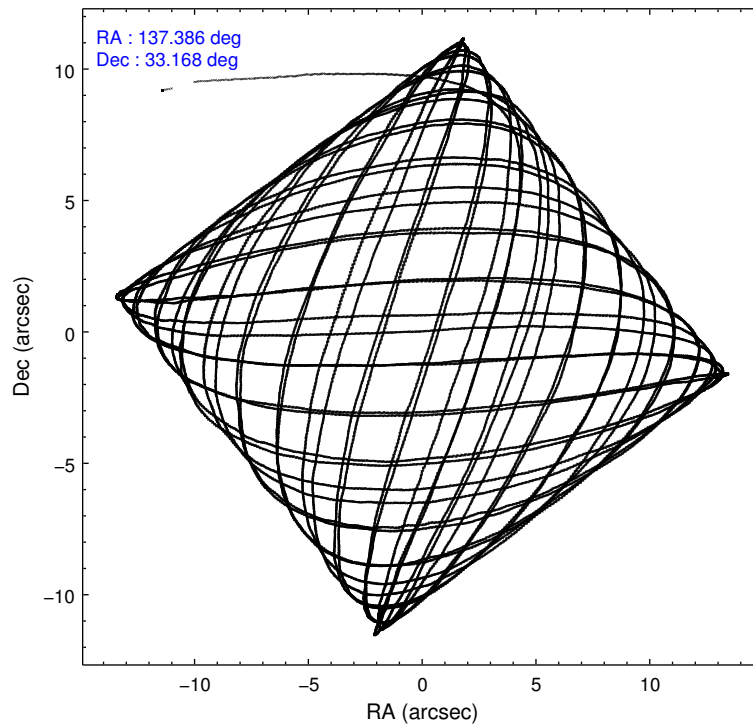
2.1.4 Events

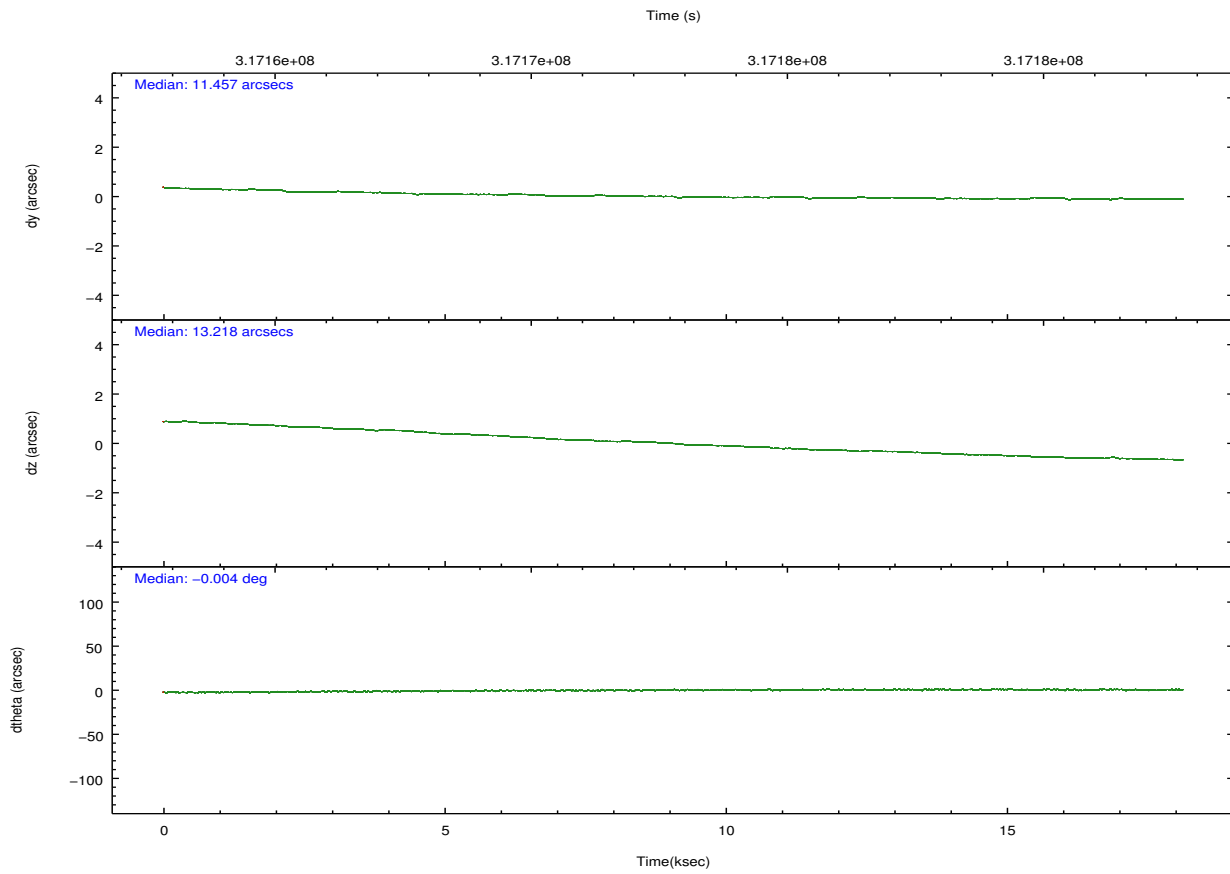
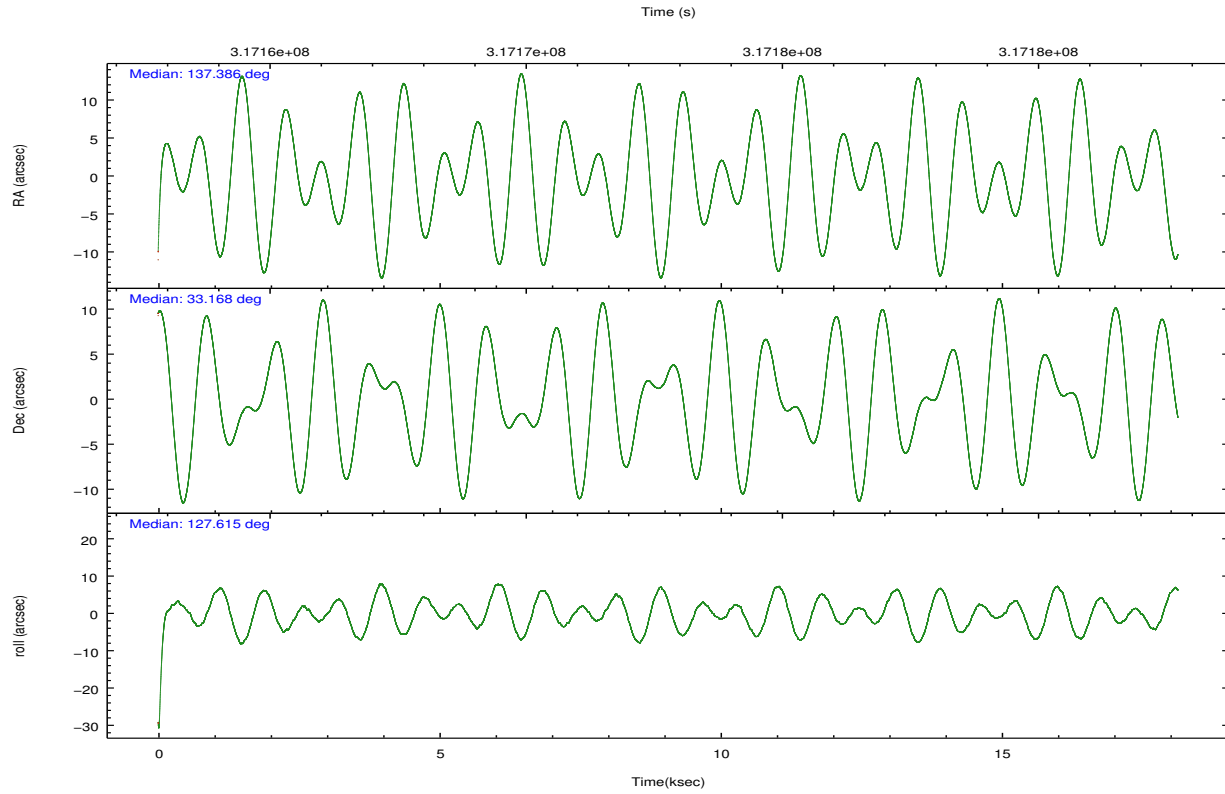
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	157005	142793	206607	151483	162075	185015	grade 0 events	5162	4807	14033	5211	7082	13236
rejected events	142890	129523	104904	136626	89698	141234		3%	3%	6%	3%	4%	7%
rejected %	91%	90%	50%	90%	55%	76%	grade 1 events	79	88	367	80	201	152
								0%	0%	0%	0%	0%	0%
							grade 2 events	3551	2989	30557	3463	15151	10495
								2%	2%	14%	2%	9%	5%
							grade 3 events	1524	1581	4154	1693	6810	4836
								0%	1%	2%	1%	4%	2%
							grade 4 events	1532	1570	3882	1605	6858	4411
								0%	1%	1%	1%	4%	2%
							grade 5 events	5055	5708	16091	6007	17332	8505
								3%	3%	7%	3%	10%	4%
							grade 6 events	2761	2743	52385	3359	38783	12304
								1%	1%	25%	2%	23%	6%
							grade 7 events	137341	123307	85138	130065	69858	131076
								87%	86%	41%	85%	43%	70%

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	137.416708	137.386338123521	CCD I2 on	O1	Y
[deg] Pointing Dec	33.157536	33.16762229344812	CCD I3 on	O2	Y
[deg] Pointing Roll	127.446939	127.6201568761449	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	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)	317163832.184000	317162499.96932	CCD S5 on	N	N
Observation start date	2008-01-19T21:02:47	2008-01-19T20:41:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	317181832.184000	317182732.4453	On-chip summing requested	N	N
Observation end date	2008-01-20T02:02:47	2008-01-20T02:18:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



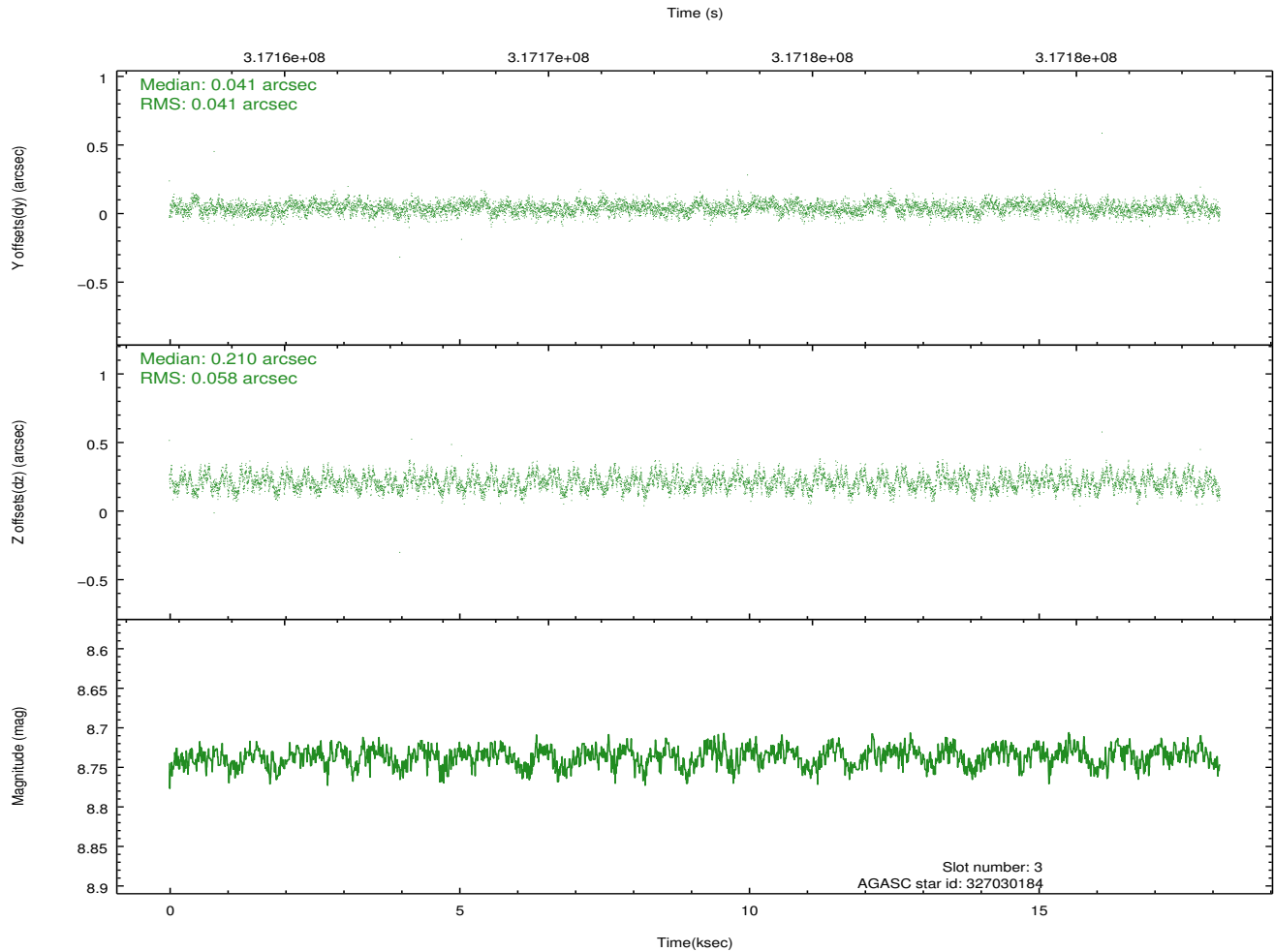
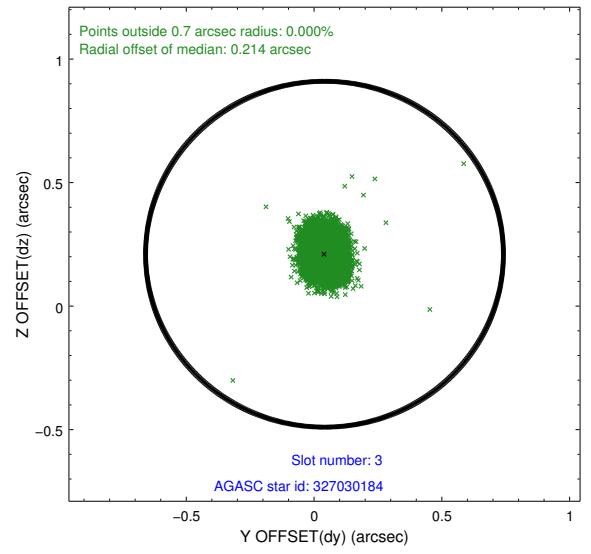
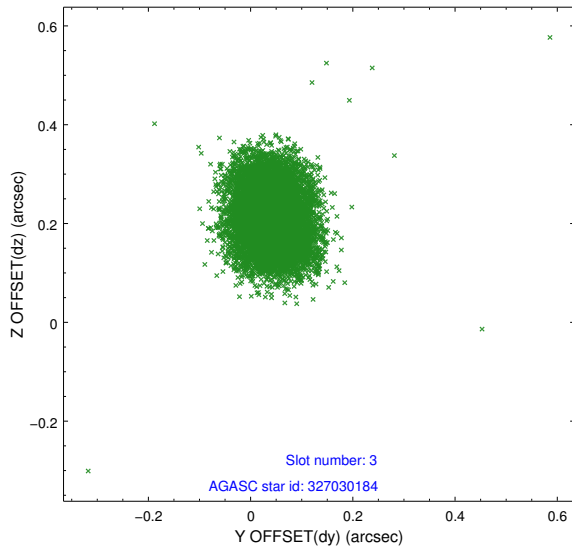


Slot Statistics

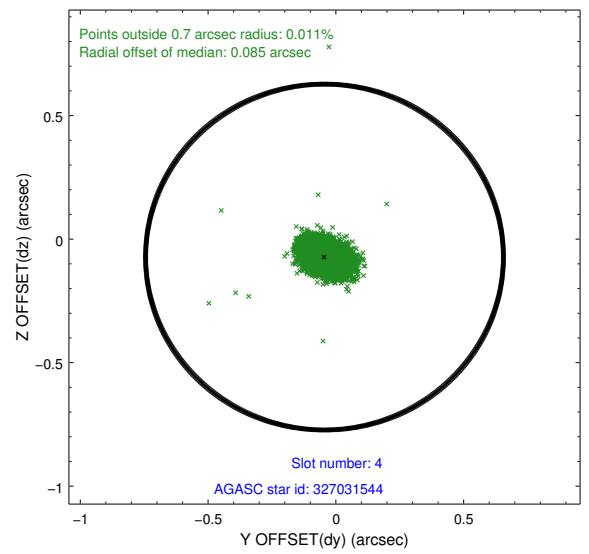
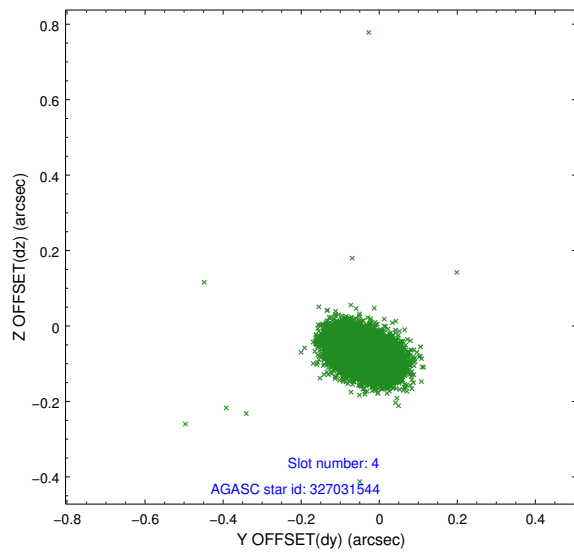
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4424	-0.031	-0.045	0.010	0.015	0.000000	0.000000	-764.41	-1734.63
1	FID	ACIS-S-4	7.19	4424	0.112	0.027	0.010	0.021	0.000000	0.000000	2148.92	173.68
2	FID	ACIS-S-5	7.22	4422	-0.114	0.027	0.008	0.013	0.000000	0.000000	-1817.04	167.63
3	GUIDE	327030184	8.74	8845	0.041	0.210	0.075	0.119	137.815216	32.922904	-1400.86	-443.45
4	GUIDE	327031544	8.33	8840	-0.044	-0.073	0.059	0.100	136.661642	33.370521	1995.24	1331.68
5	GUIDE	327032632	7.96	8846	0.024	0.082	0.062	0.097	137.965658	33.084673	-1211.22	-1157.33
6	GUIDE	327033440	6.71	8847	-0.030	-0.309	0.078	0.126	137.017314	32.540397	-1025.16	2312.07
7	GUIDE	327025040	7.98	8844	0.006	0.083	0.058	0.093	137.400069	33.404867	737.40	-500.85

2.4 Star Slots

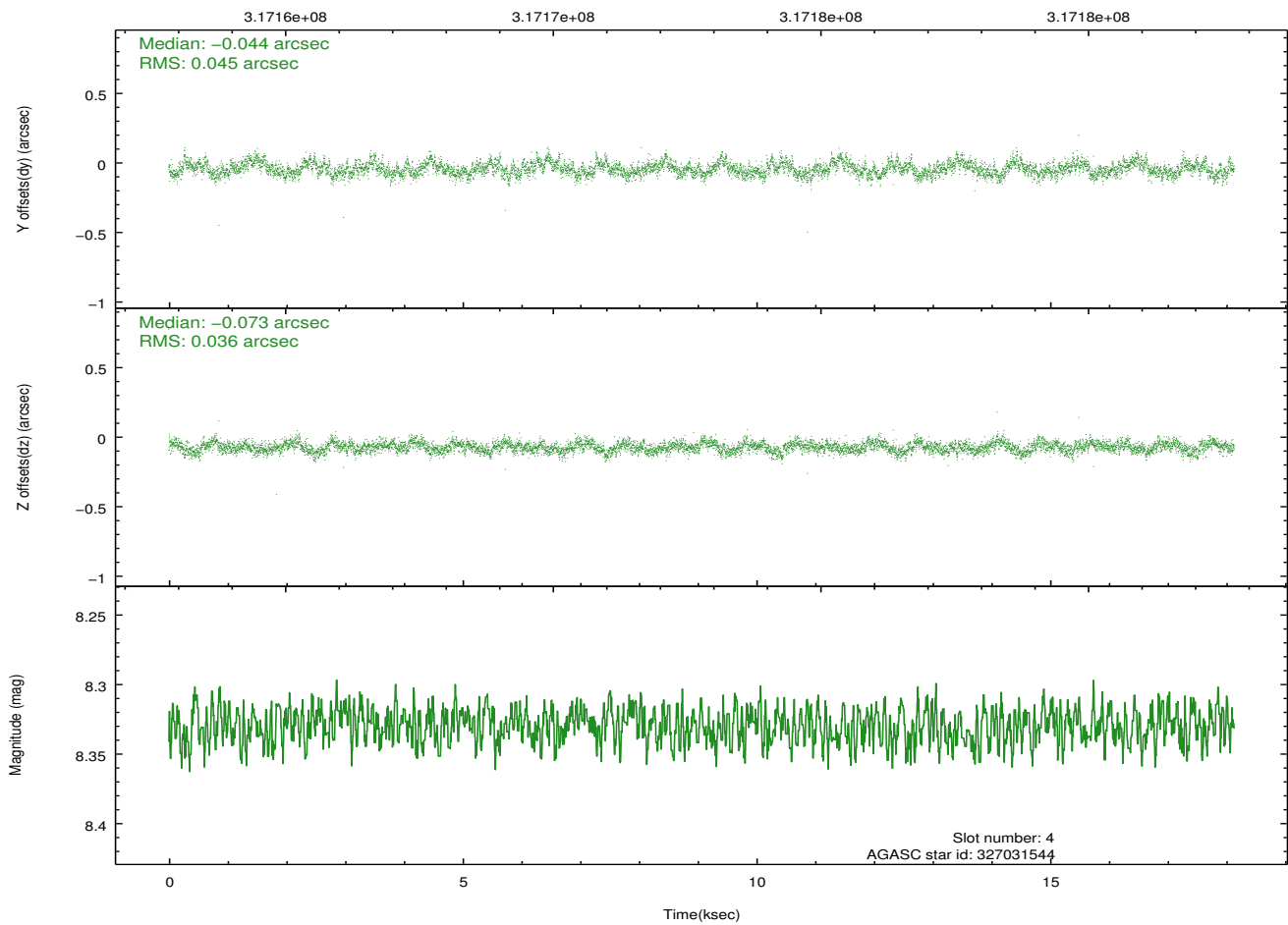
2.4.1 Slot 3



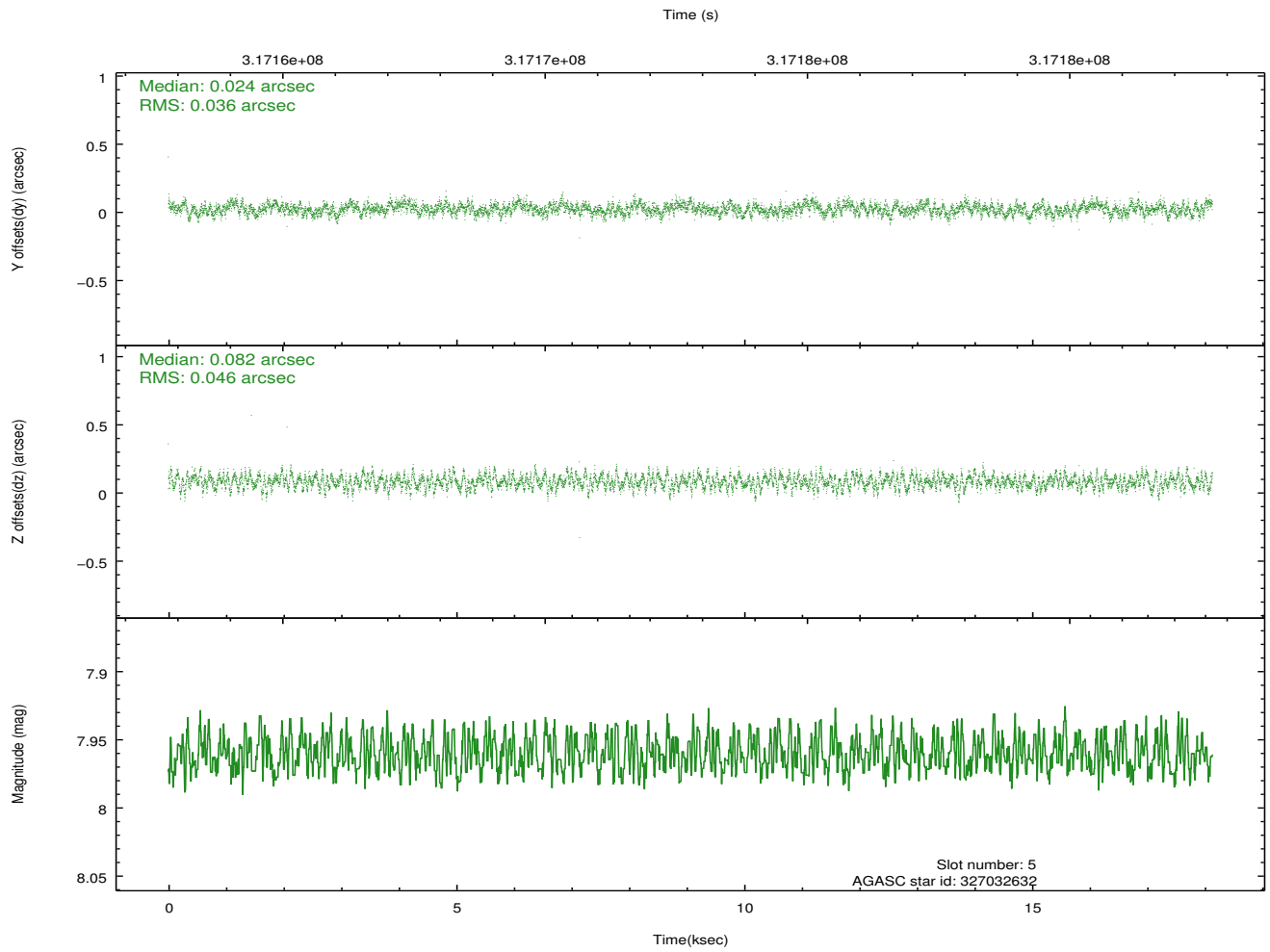
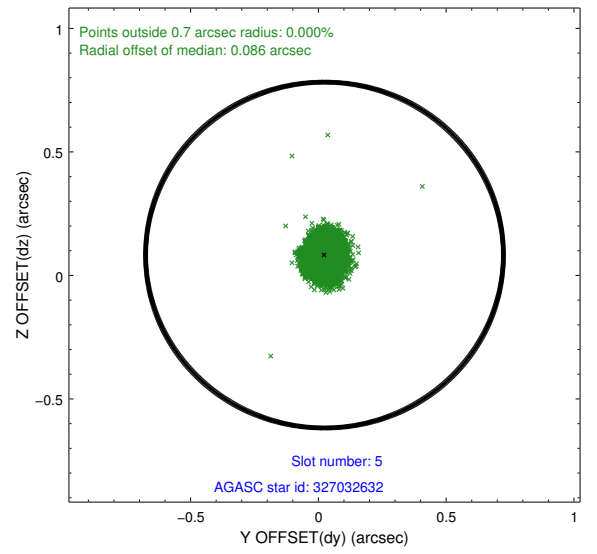
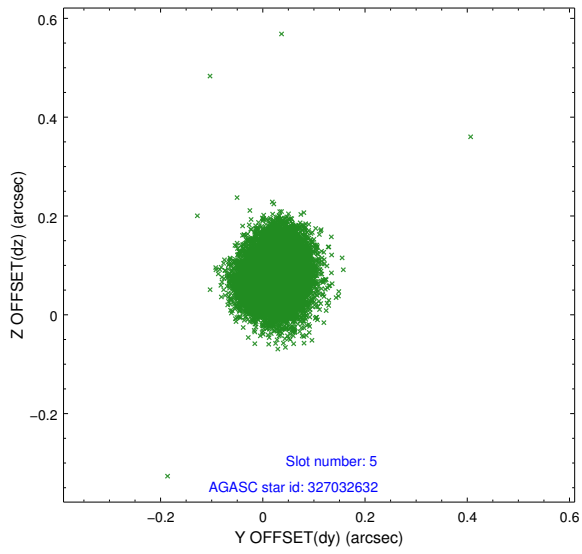
2.4.2 Slot 4



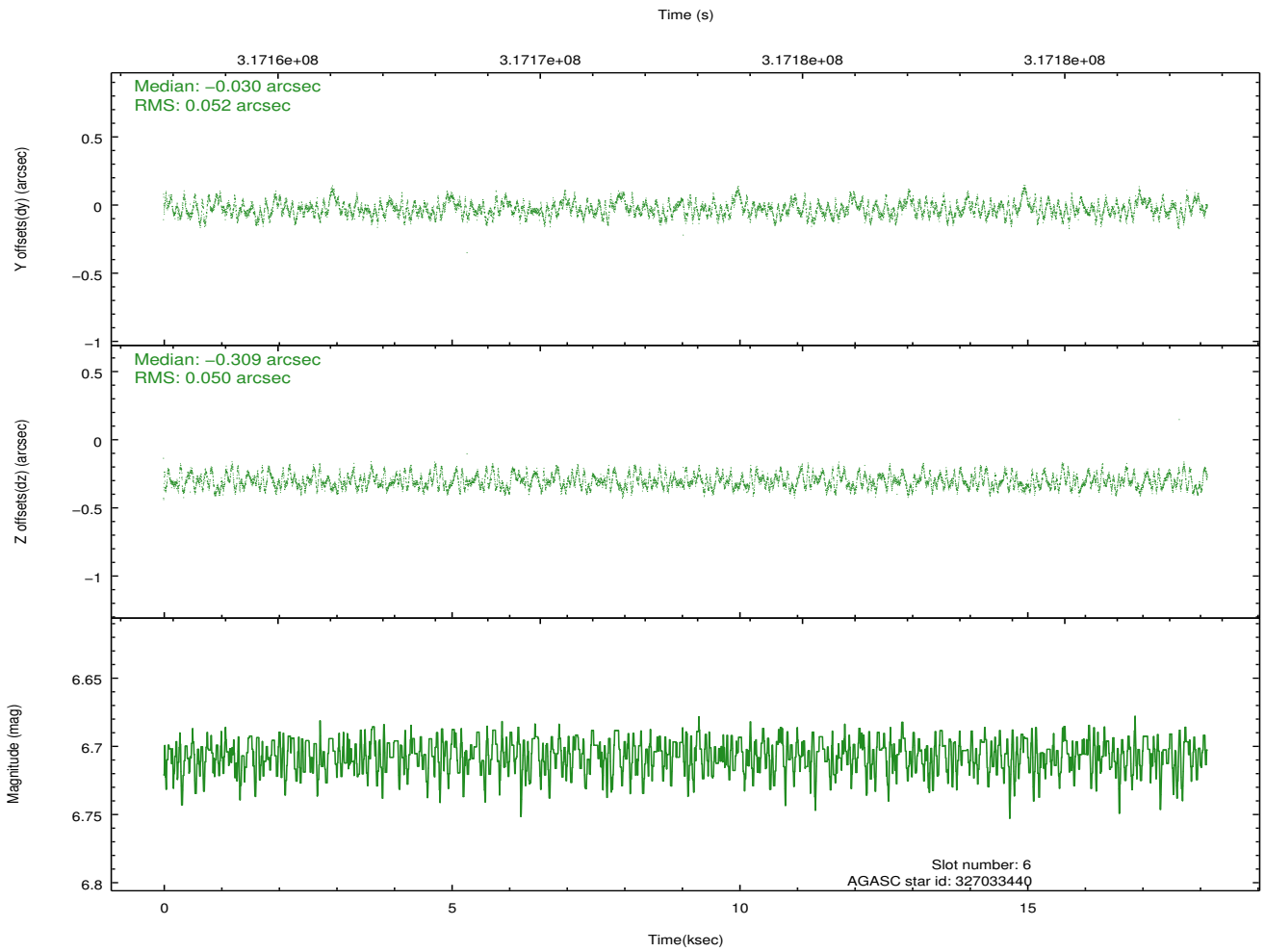
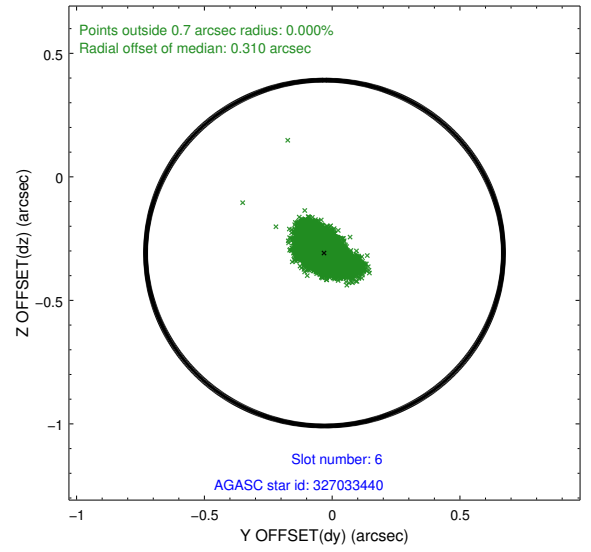
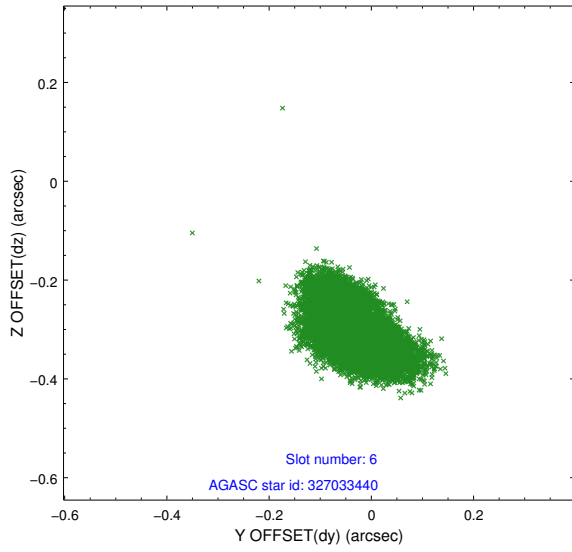
Time (s)



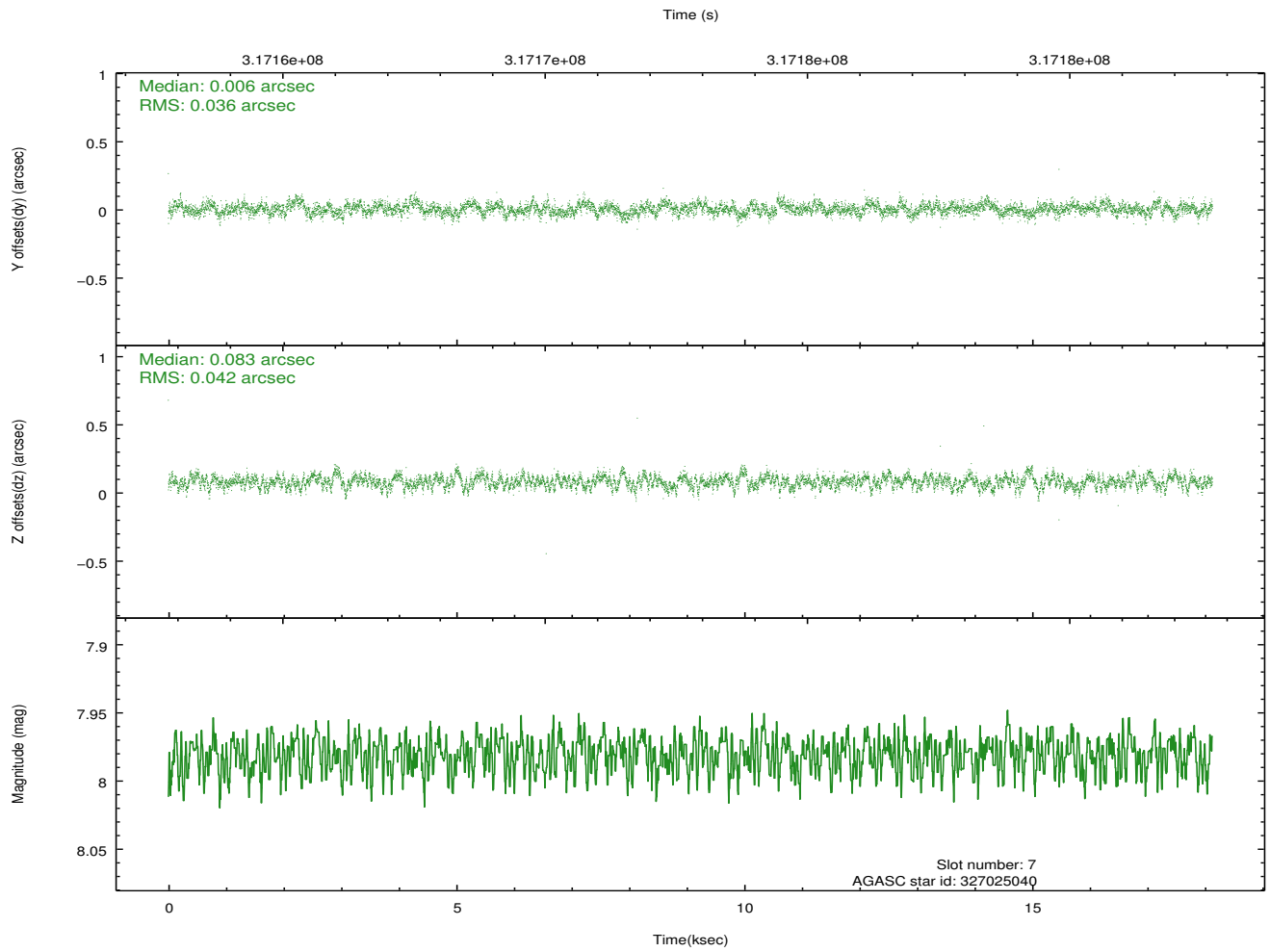
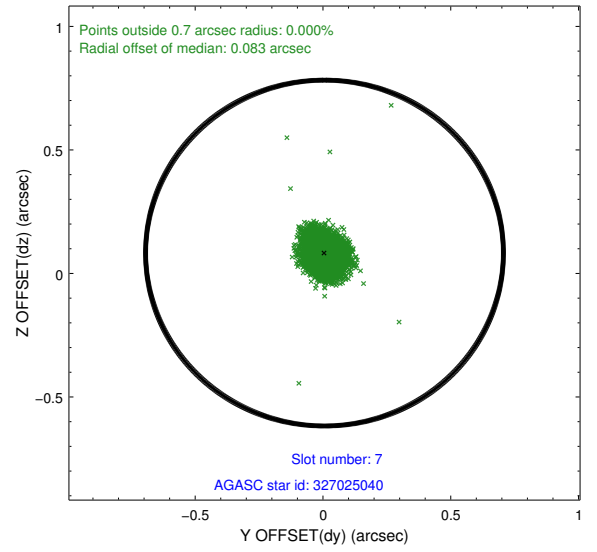
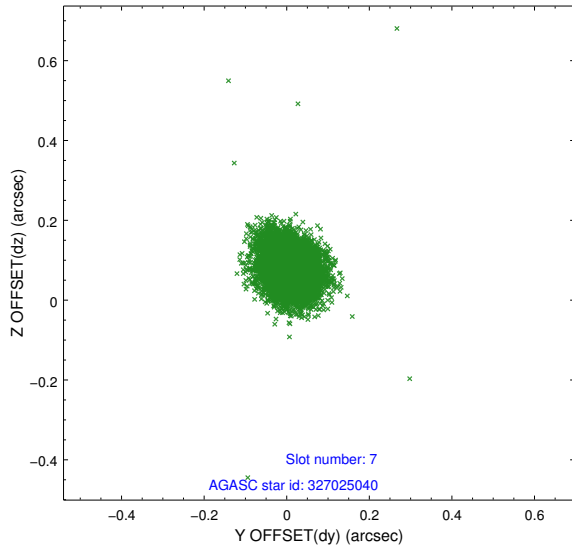
2.4.3 Slot 5



2.4.4 Slot 6

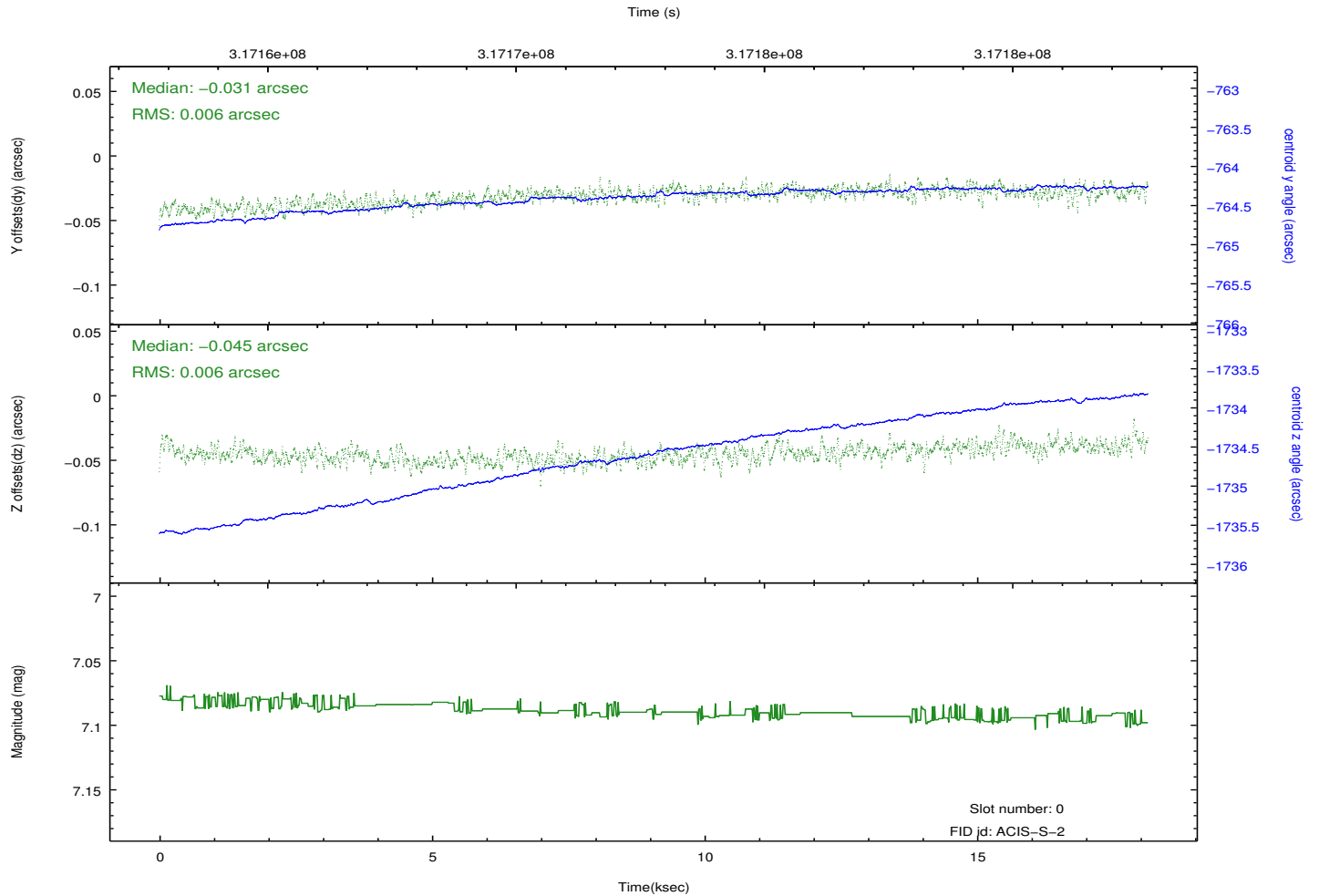
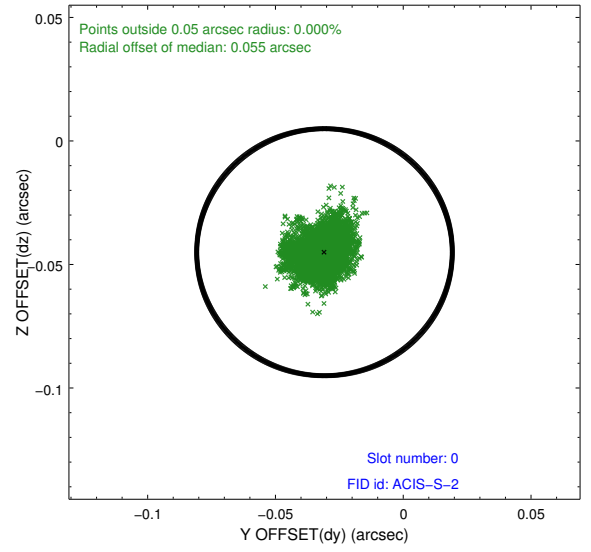
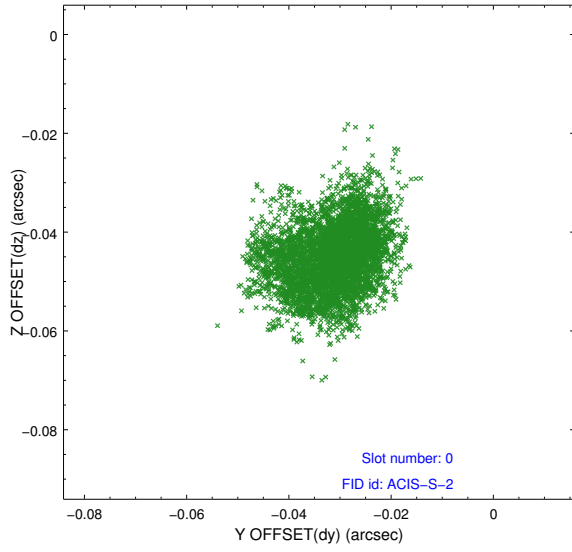


2.4.5 Slot 7

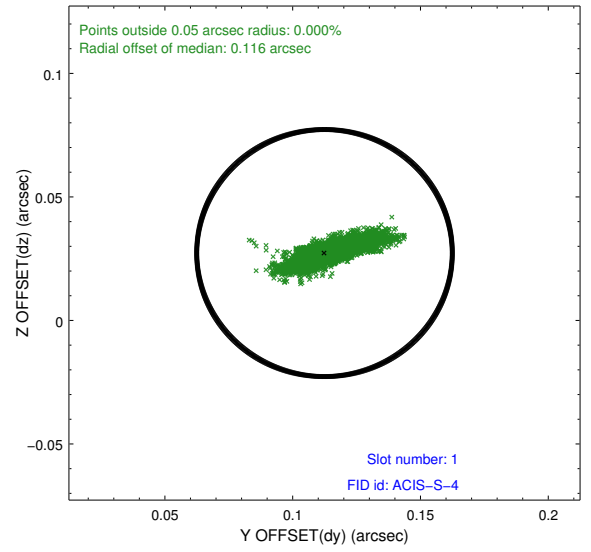
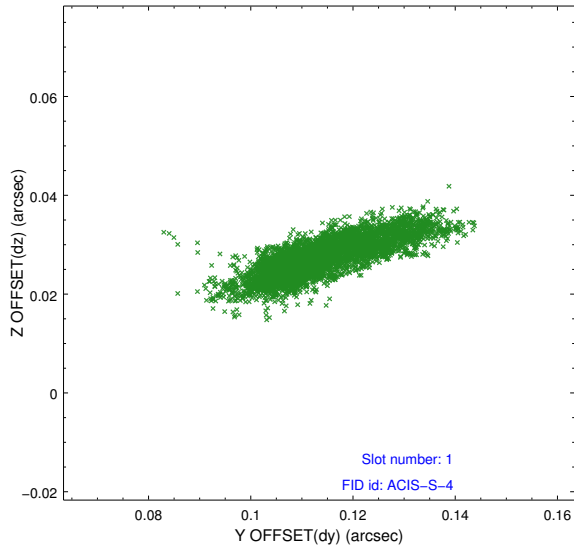


2.5 FID Slots

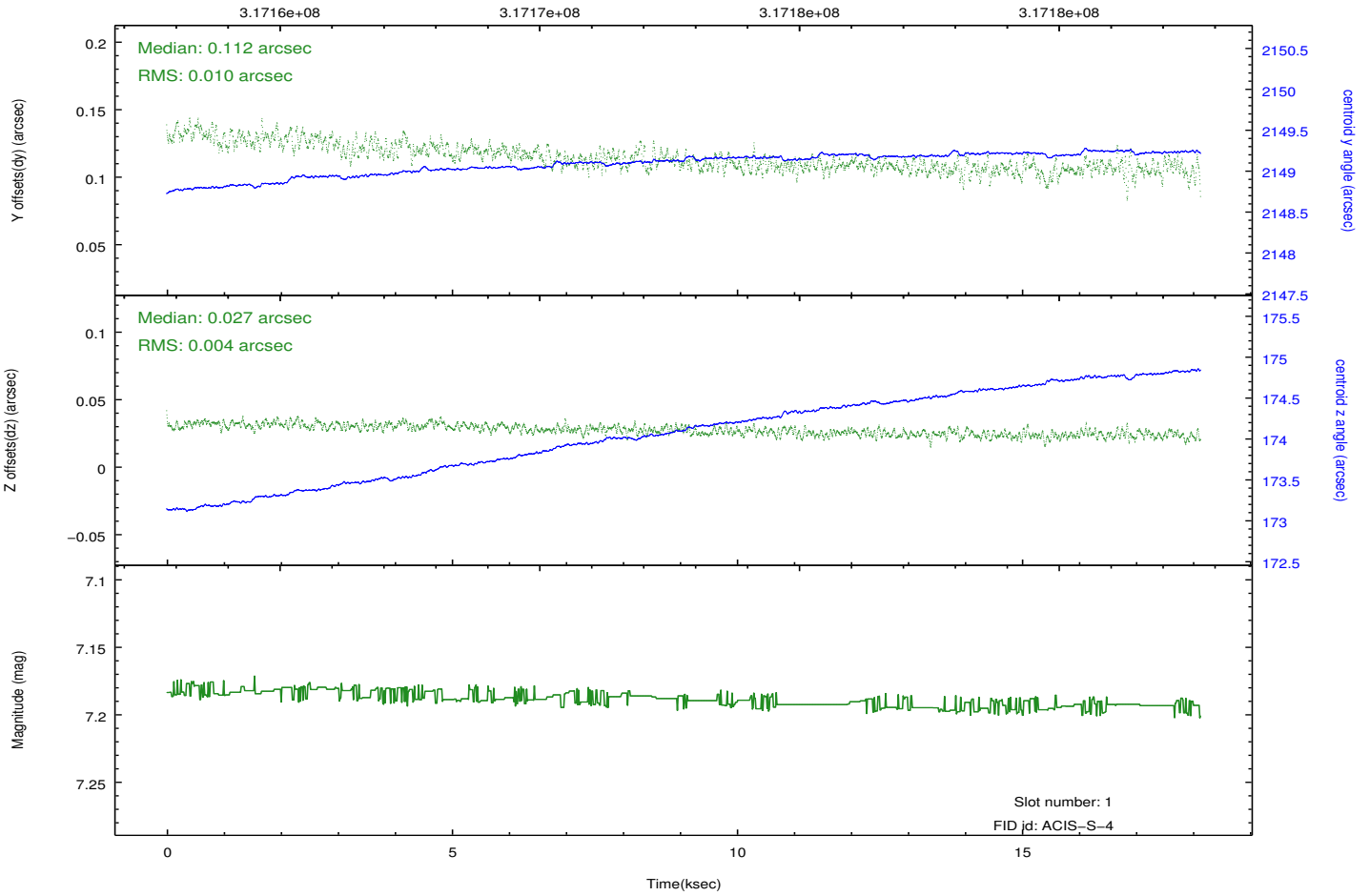
2.5.1 Slot 0



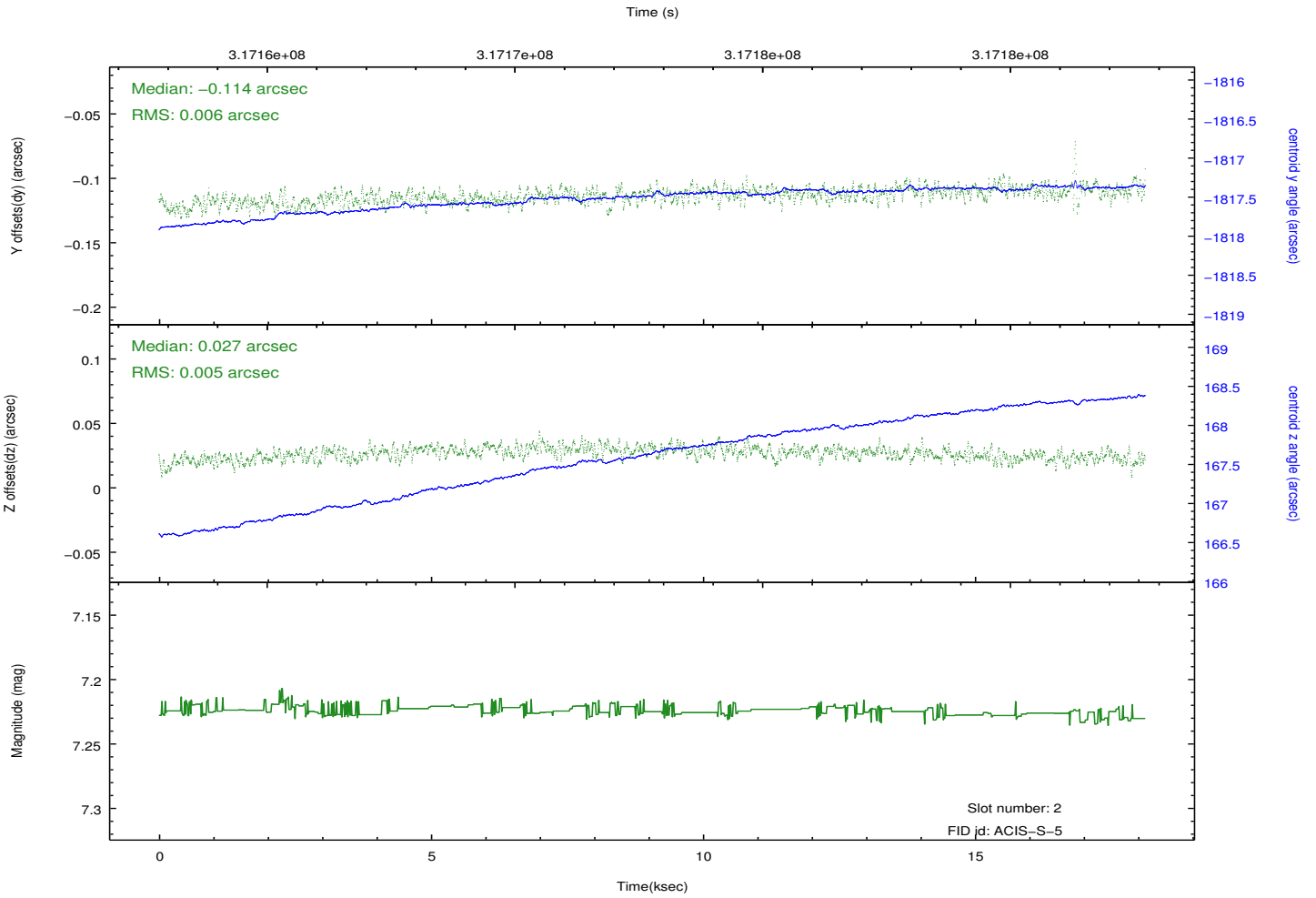
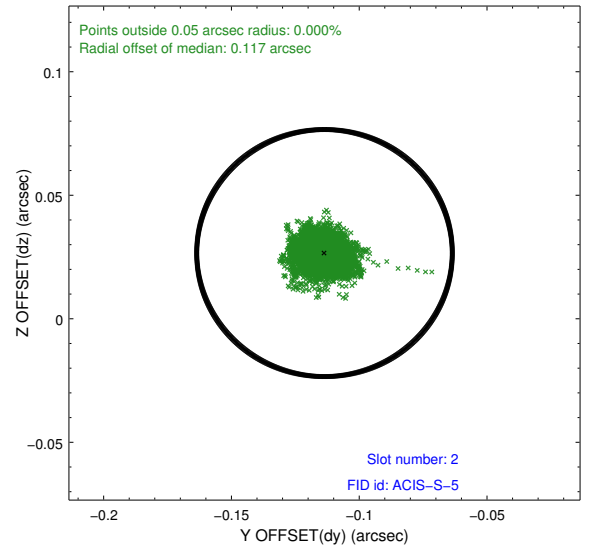
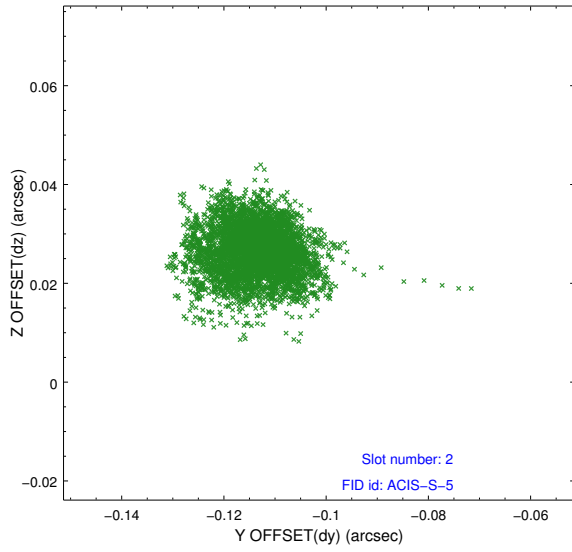
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.1279999

A.2 Comments