

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17758 - L2 Version 1
Chandra X-Ray Center

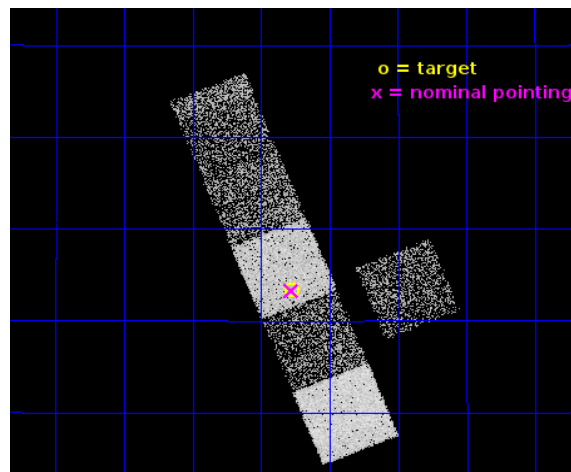
L2 Processing Date : Apr 27 2016

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1 Front

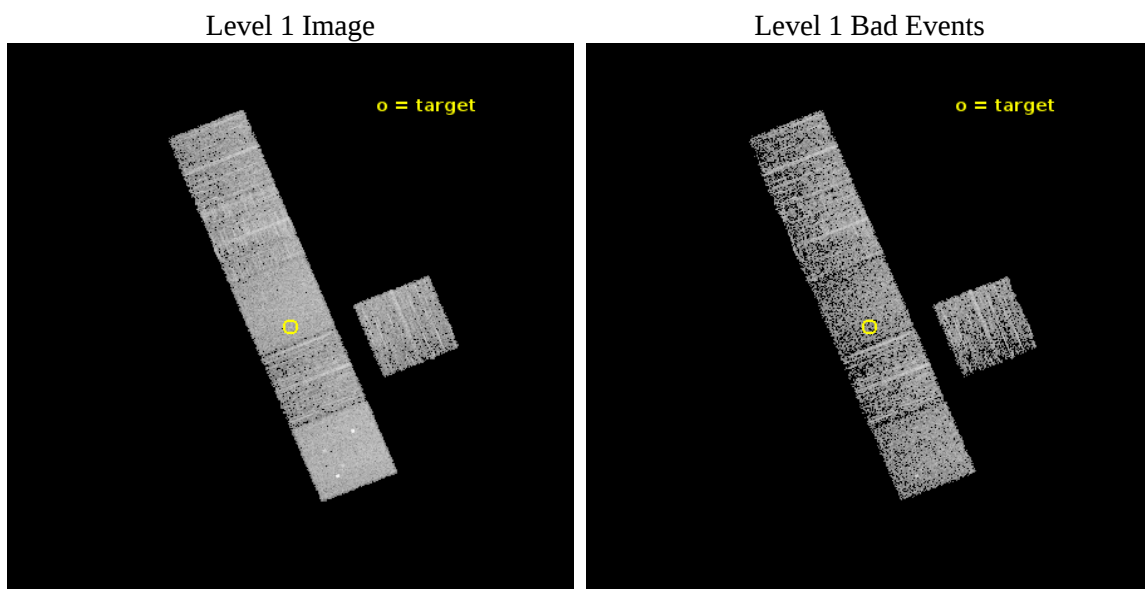
seq_num	201067	Sequence number
obs_id	17758	Observation id
title	Understanding the Rotation/Activity Relation: A New Low-Mass, Extreme-Spin Sample	Proposal title
observer	Peter Williams	Principal investigator
object	2MASS J10051641+1703264	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.3175	Observer's specified target RA [deg]
dec_targ	17.056389	Observer's specified target Dec [deg]
ra_nom	151.3197958579	Nominal RA [deg]
dec_nom	17.054679254227	Nominal Dec [deg]
roll_nom	247.84623792112	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3651.2000544071	Sum of GTIs [s]
livetime	3604.9663608295	Livetime [s]
ontime2	3651.1265354156	Sum of GTIs [s]
ontime5	3651.2000544071	Sum of GTIs [s]
ontime6	3651.2000544071	Sum of GTIs [s]
ontime7	3651.2000544071	Sum of GTIs [s]
ontime8	3647.9266051054	Sum of GTIs [s]
ontime9	3651.2000544071	Sum of GTIs [s]
l2events	37957	Number of level 2 events



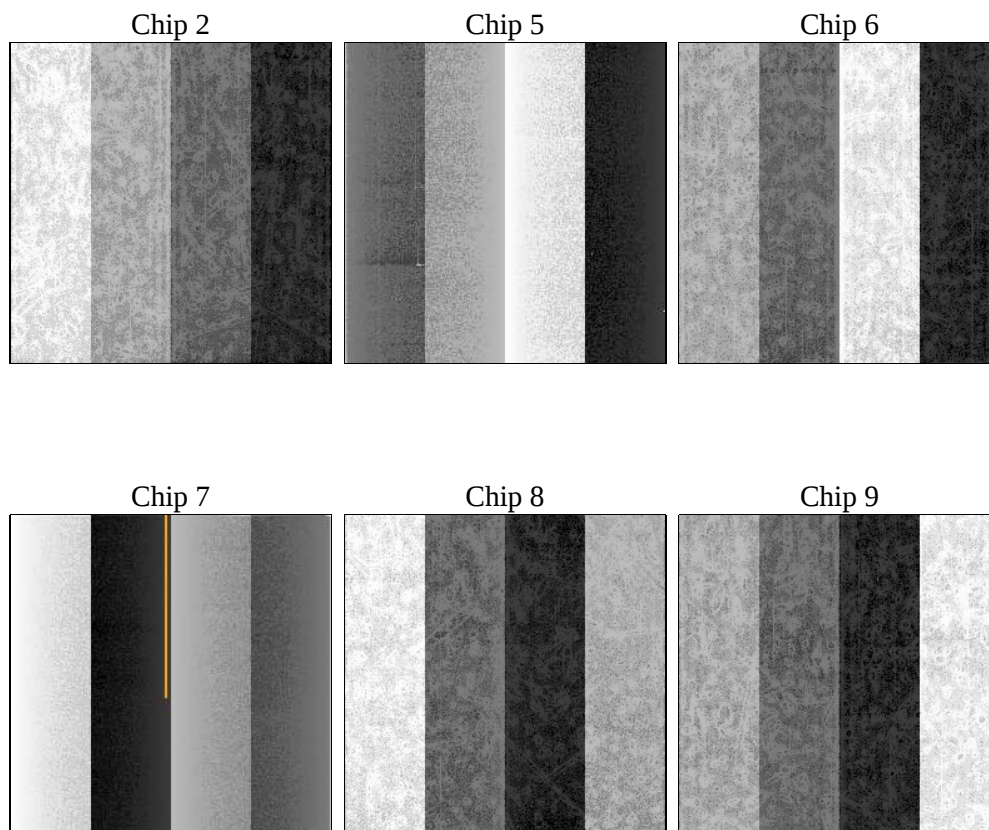
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3700.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	3651.2000544071	Sum of GTIs [s]
caldsver	4.7.1	 	ontime2	3651.1265354156	Sum of GTIs [s]
date	2016-04-27T20:52:54	Date and time of file creation	ontime5	3651.2000544071	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3651.2000544071	Sum of GTIs [s]
			ontime7	3651.2000544071	Sum of GTIs [s]
			ontime8	3647.9266051054	Sum of GTIs [s]
			ontime9	3651.2000544071	Sum of GTIs [s]
			l1events	160844	Number of level 1 events

2.1.4 Events

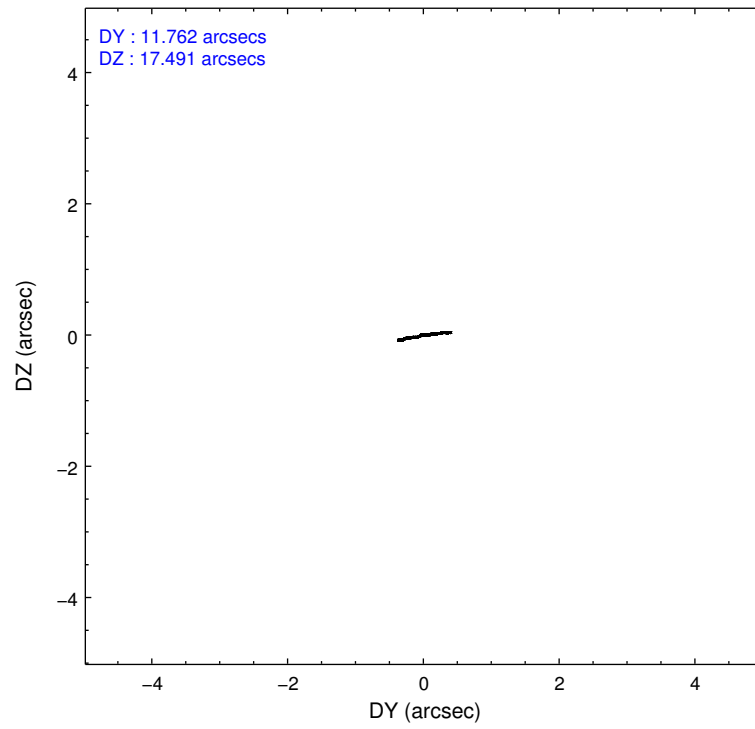
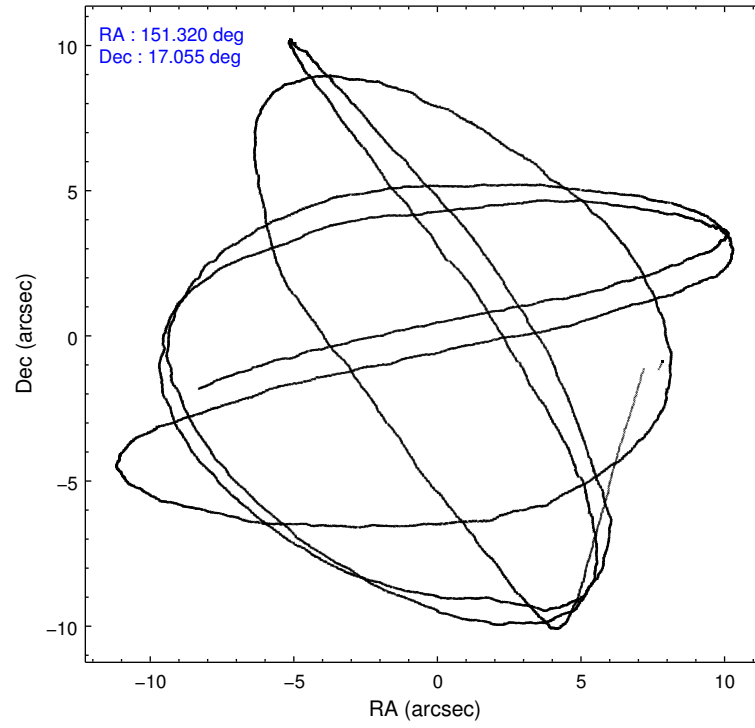
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	21076	36394	22476	28765	29782	22351	grade 0 events	841	1819	856	1086	2276	989
rejected events	18607	18300	19974	16162	21714	19606		3%	4%	3%	3%	7%	4%
rejected %	88%	50%	88%	56%	72%	87%	grade 1 events	8	79	11	39	20	11
								0%	0%	0%	0%	0%	0%
							grade 2 events	639	5631	541	2698	1936	665
								3%	15%	2%	9%	6%	2%
							grade 3 events	237	591	276	981	820	255
								1%	1%	1%	3%	2%	1%
							grade 4 events	254	566	249	981	799	270
								1%	1%	1%	3%	2%	1%
							grade 5 events	950	2597	1046	2885	1497	1206
								4%	7%	4%	10%	5%	5%
							grade 6 events	499	9505	583	6868	2239	567
								2%	26%	2%	23%	7%	2%
							grade 7 events	17648	15606	18914	13227	20195	18388
								83%	42%	84%	45%	67%	82%

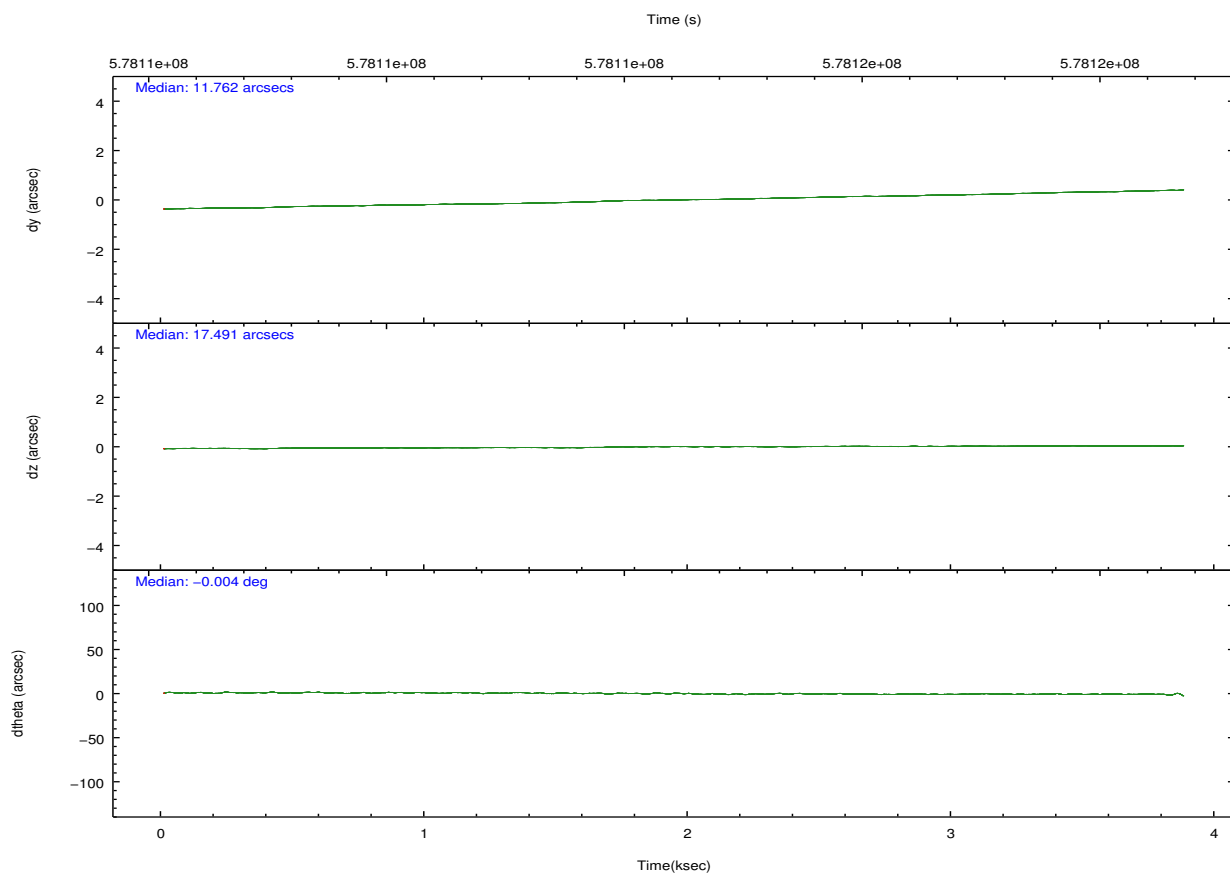
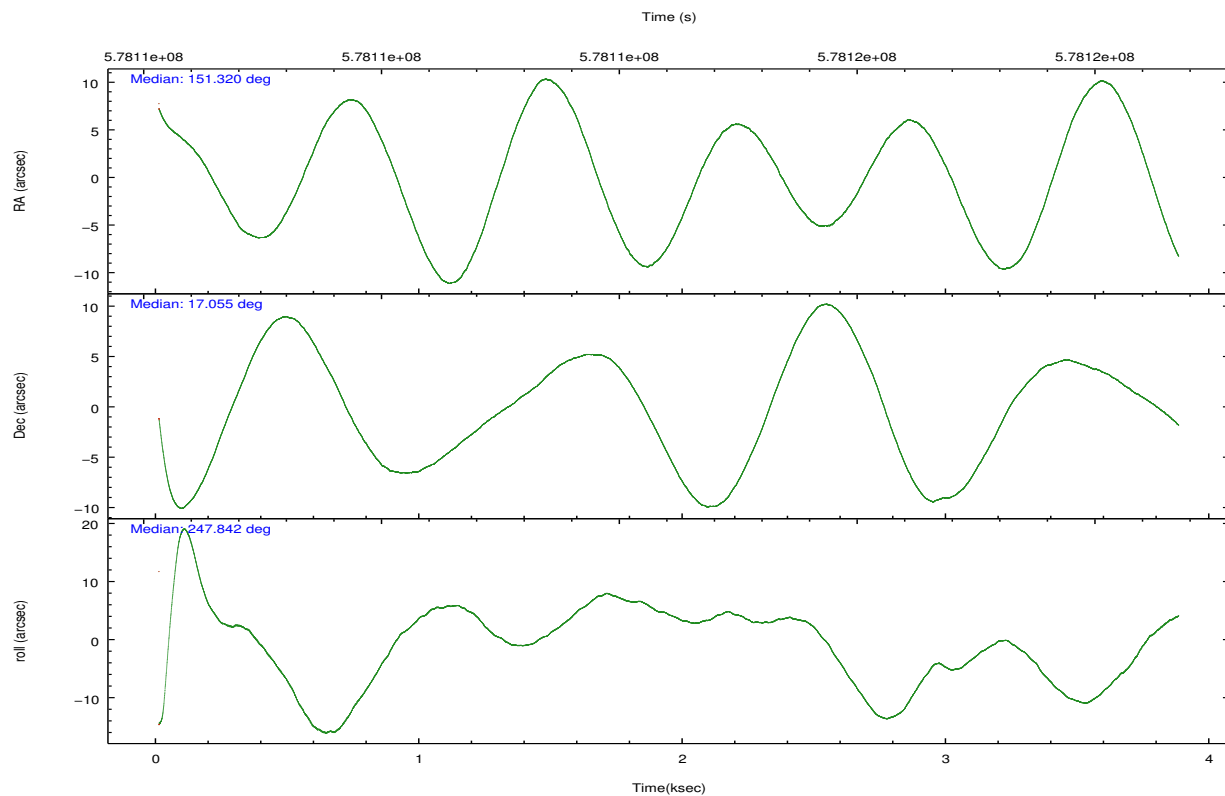
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-256789	ACIS-256789
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	151.315383	151.3197958579023
[deg] Pointing Dec	17.081776	17.05467925422667
[deg] Pointing Roll	247.691043	247.8462379211206
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	578112442.184000	578111118.28924
Observation start date	2016-04-27T02:46:14	2016-04-27T02:25:18
[s] Observation end time (MET)	578116142.184000	578116641.5020601
Observation end date	2016-04-27T03:47:54	2016-04-27T03:57:21
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	N	N
CCD S0 on	N	N
CCD S1 on	O3	Y
CCD S2 on	O5	Y
CCD S3 on	Y	Y
CCD S4 on	O4	Y
CCD S5 on	O2	Y
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



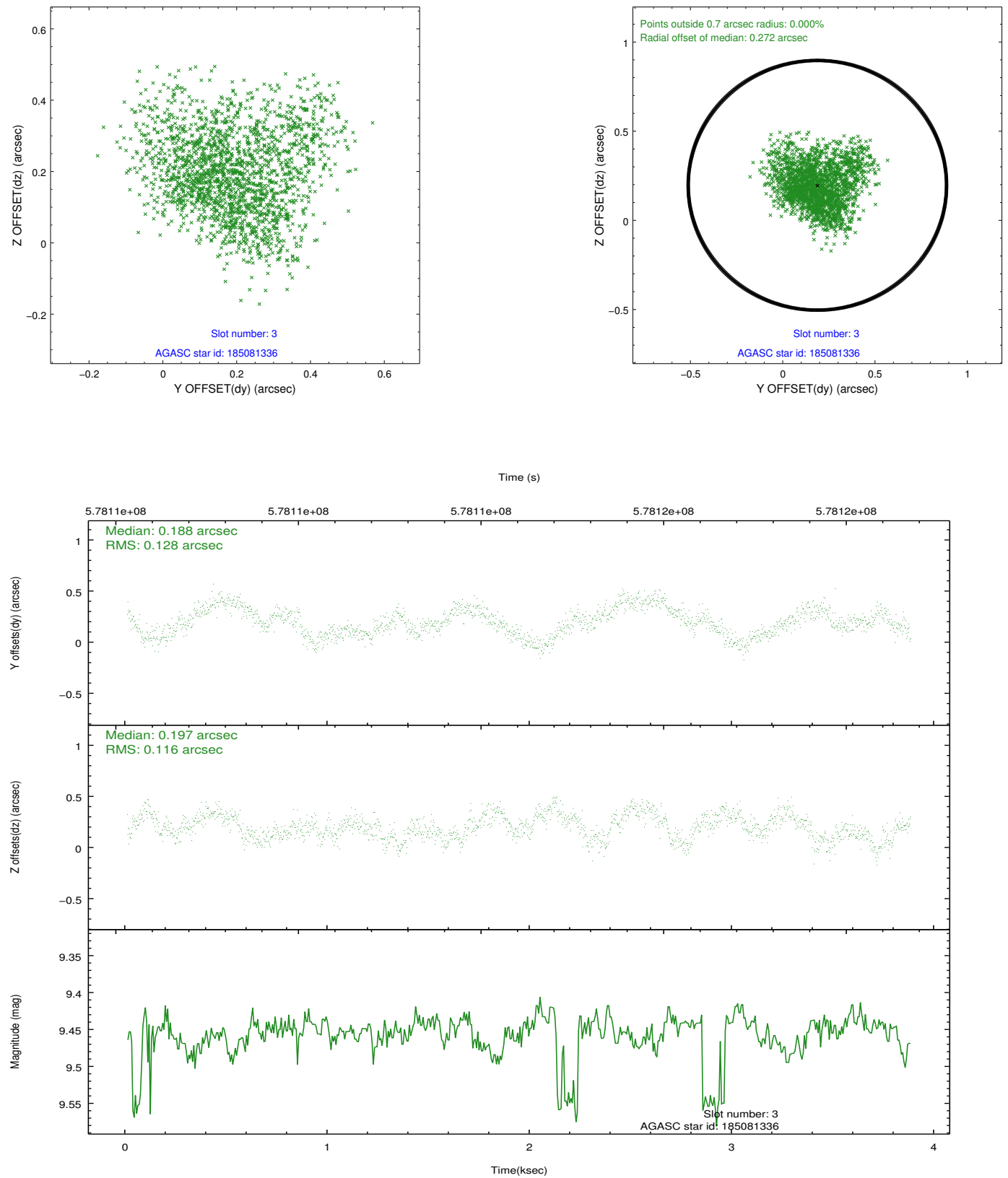


Slot Statistics

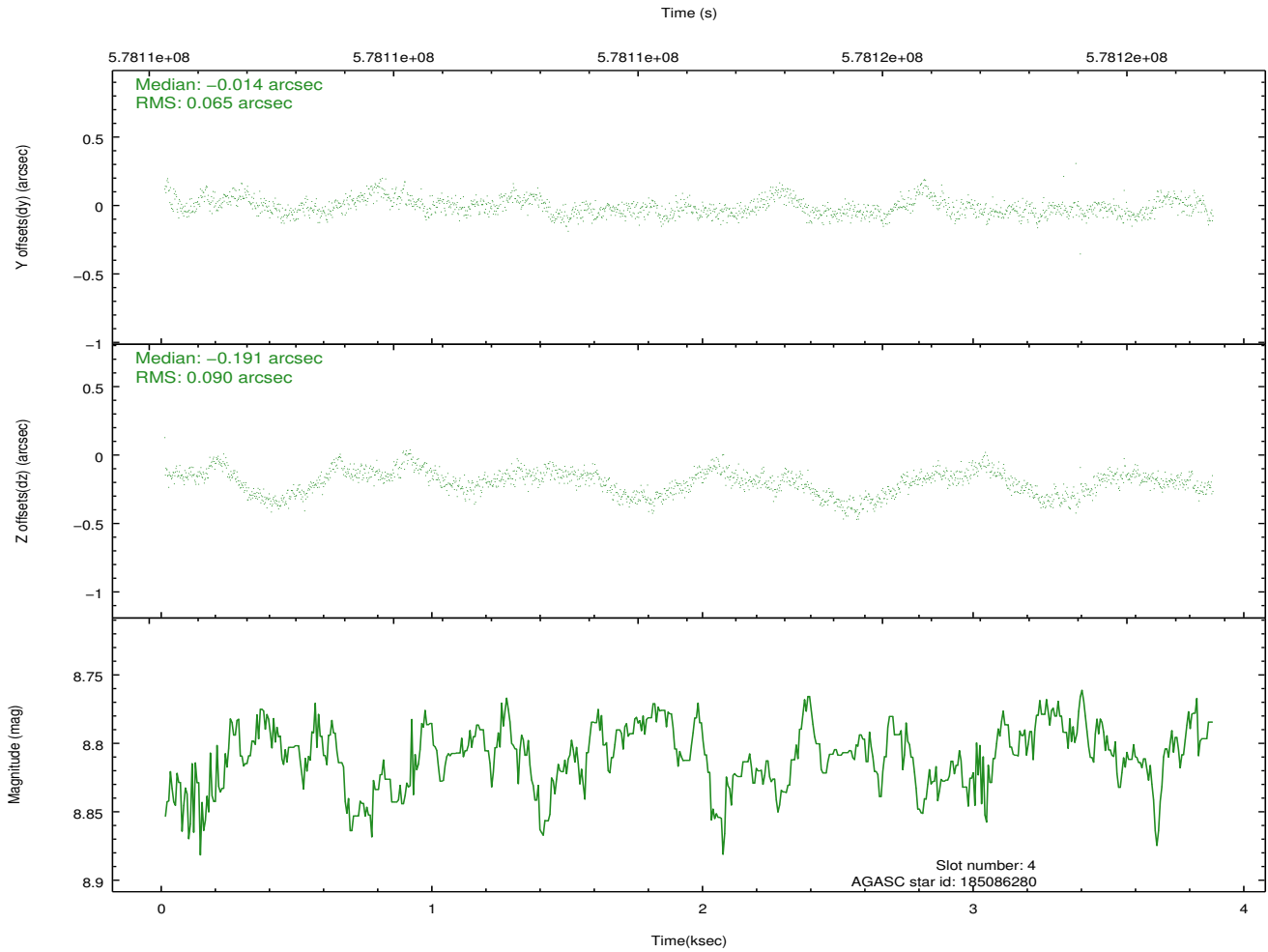
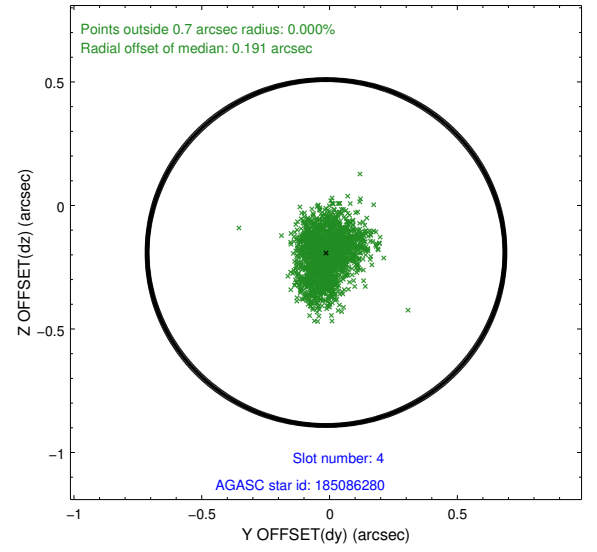
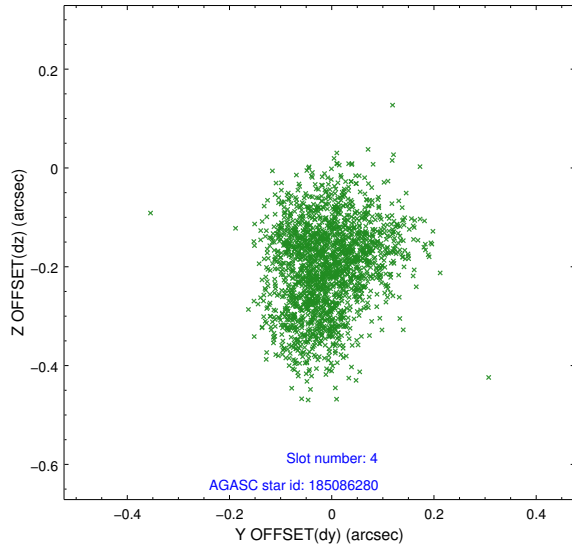
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.09	945	-0.121	-0.106	0.008	0.013	0.000000	0.000000	-764.78	-1739.02
1	FID		ACIS-S-4	7.22	945	0.370	0.087	0.006	0.010	0.000000	0.000000	2148.27	167.95
2	FID		ACIS-S-5	7.23	945	-0.281	0.028	0.008	0.014	0.000000	0.000000	-1815.69	163.43
3	GUIDE	used	185081336	9.45	1884	0.188	0.197	0.188	0.297	151.131765	17.362070	-693.60	-967.22
4	GUIDE	used	185086280	8.81	1888	-0.014	-0.191	0.119	0.191	151.322351	16.465357	2044.65	863.68
5	GUIDE	used	185470688	9.51	1889	-0.037	0.260	0.155	0.240	151.284862	17.571671	-1591.72	-765.36
6	GUIDE	used	185993232	6.63	1890	-0.344	0.032	0.083	0.140	152.061906	17.358591	-1900.54	1992.29
7	GUIDE	used	185077048	10.25	1885	0.193	-0.290	0.227	0.386	150.584215	17.070193	989.25	-2313.17

2.4 Star Slots

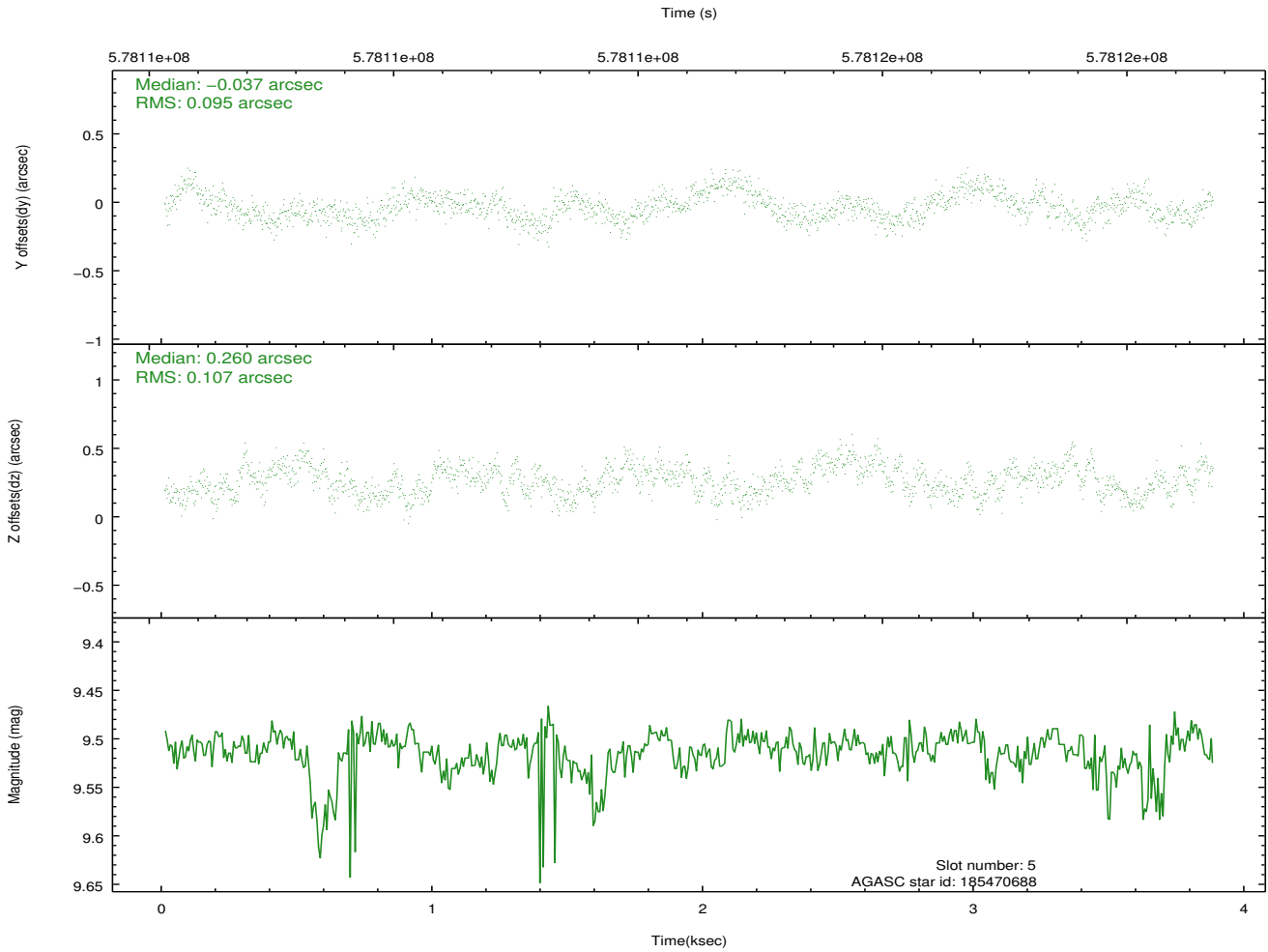
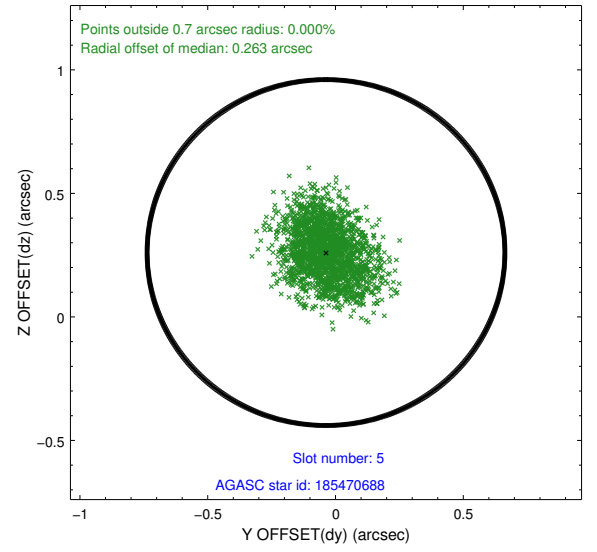
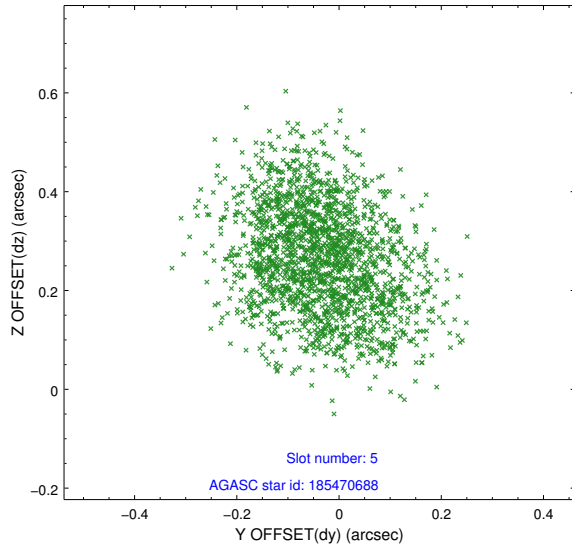
2.4.1 Slot 3



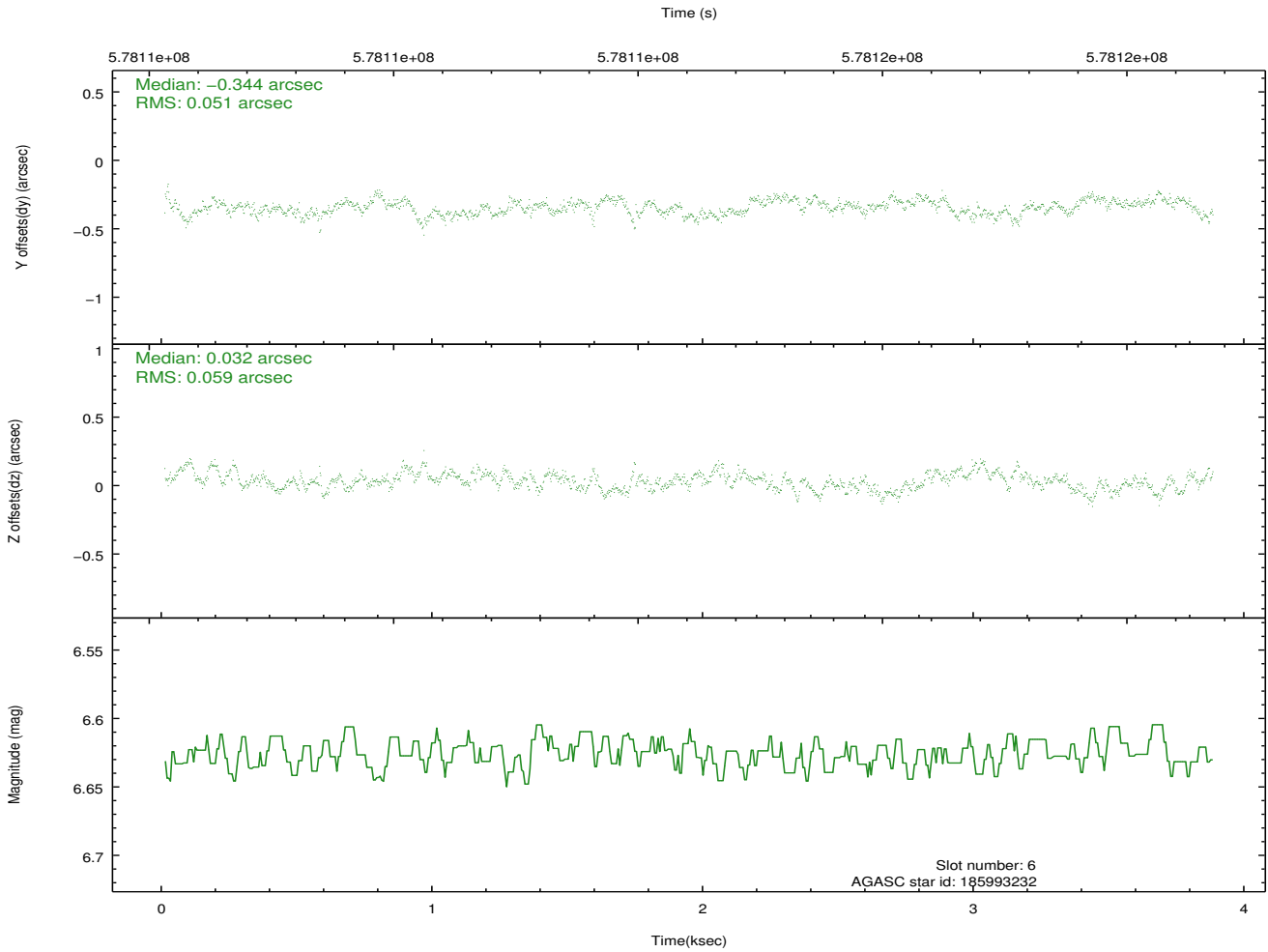
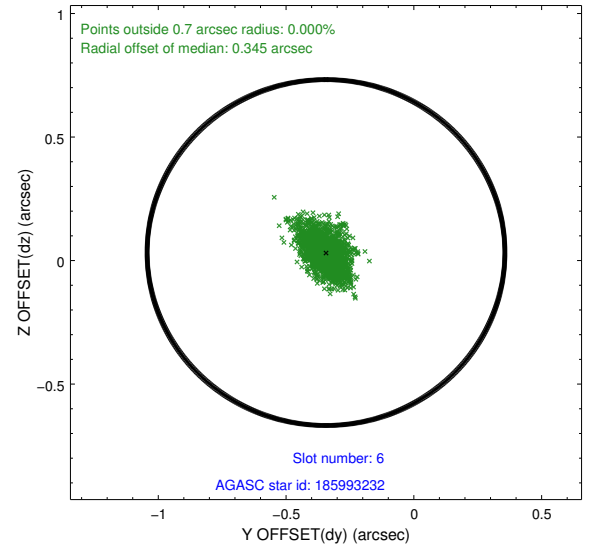
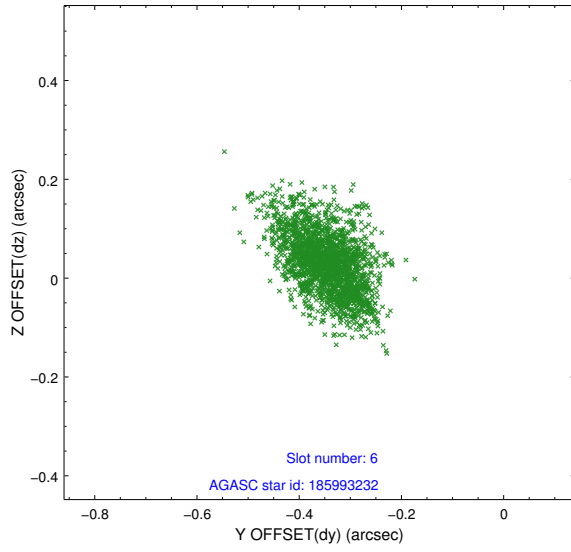
2.4.2 Slot 4



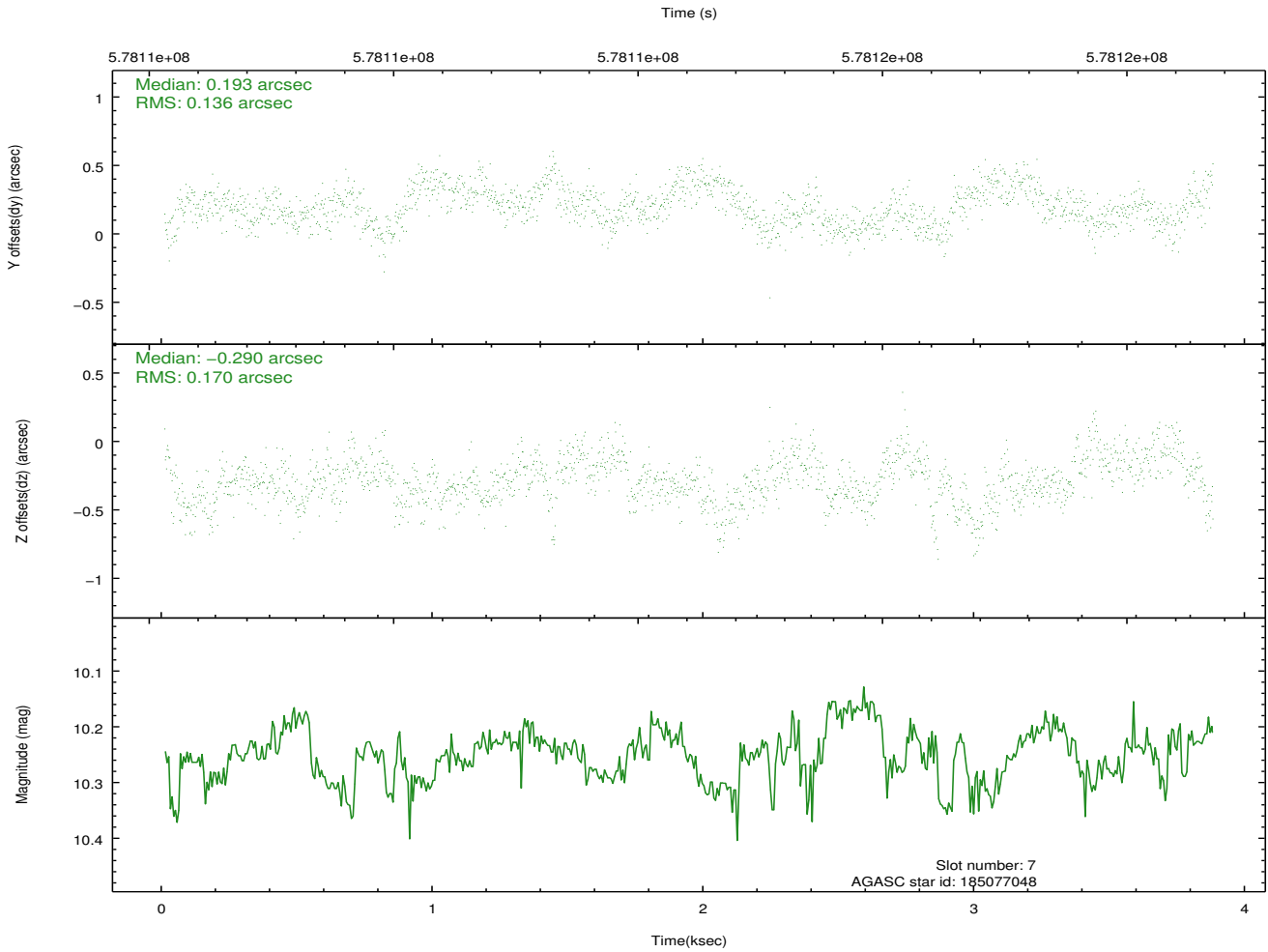
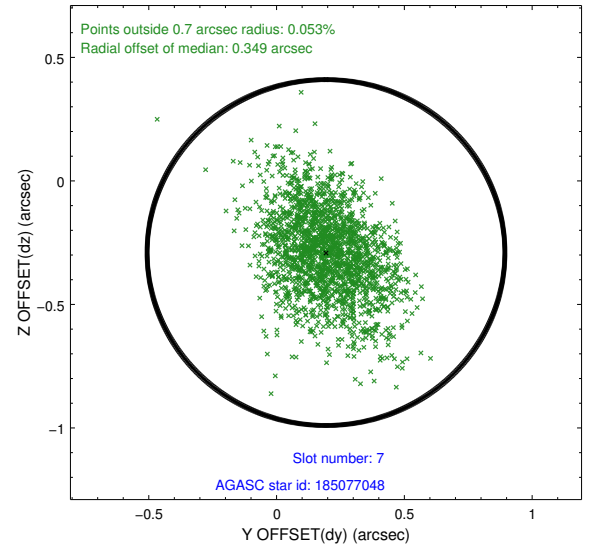
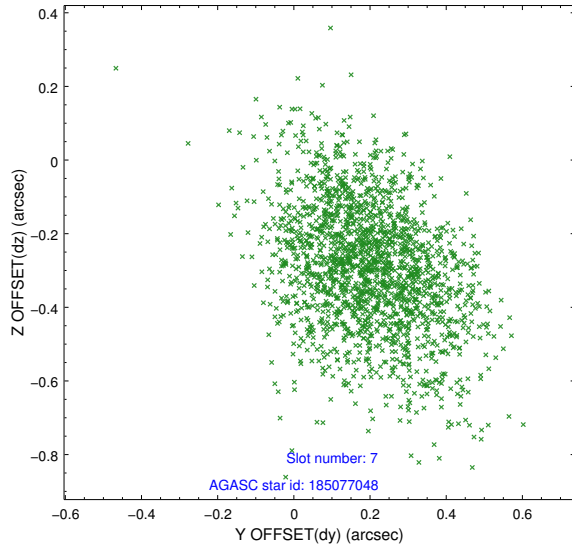
2.4.3 Slot 5



2.4.4 Slot 6

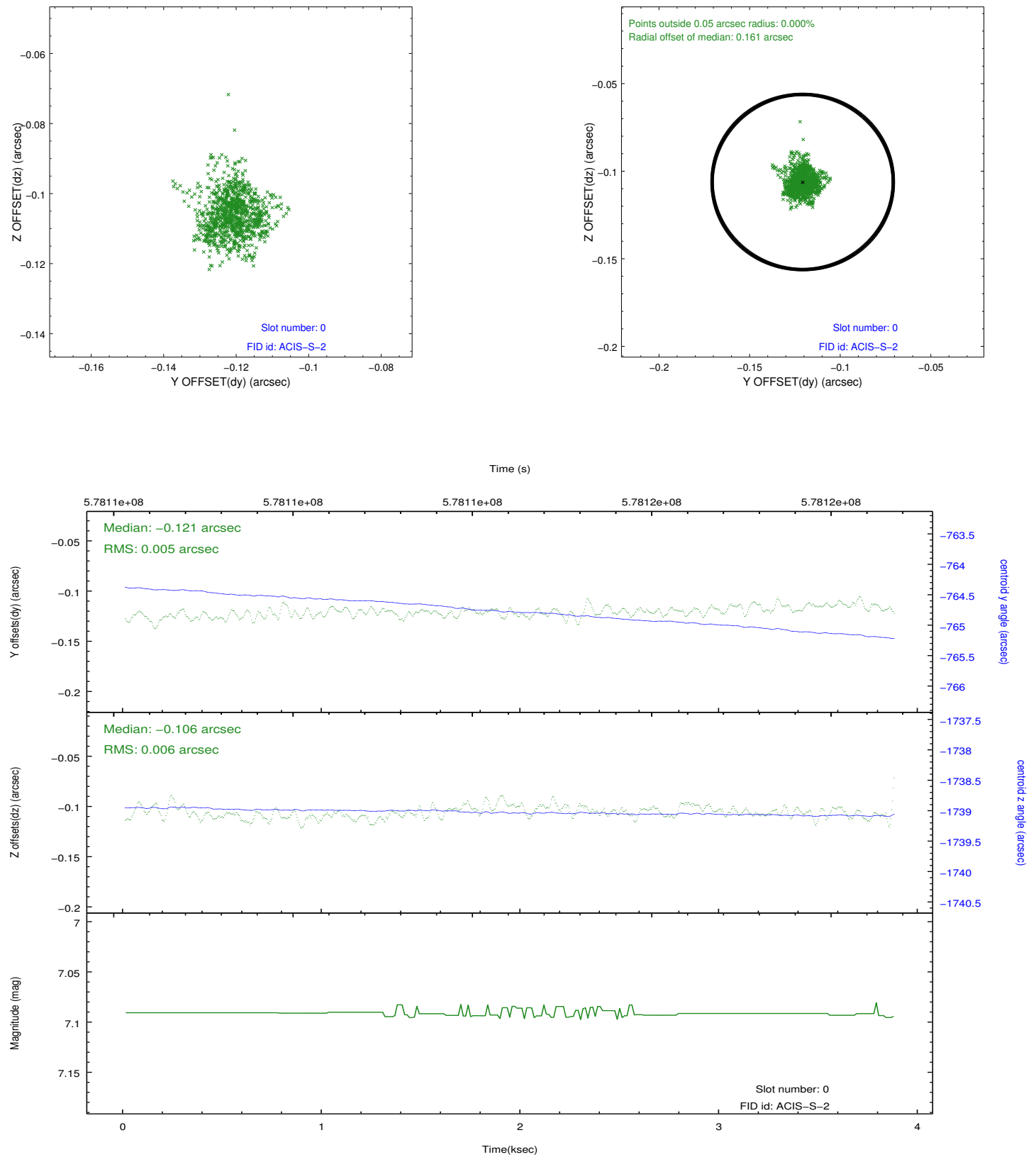


2.4.5 Slot 7

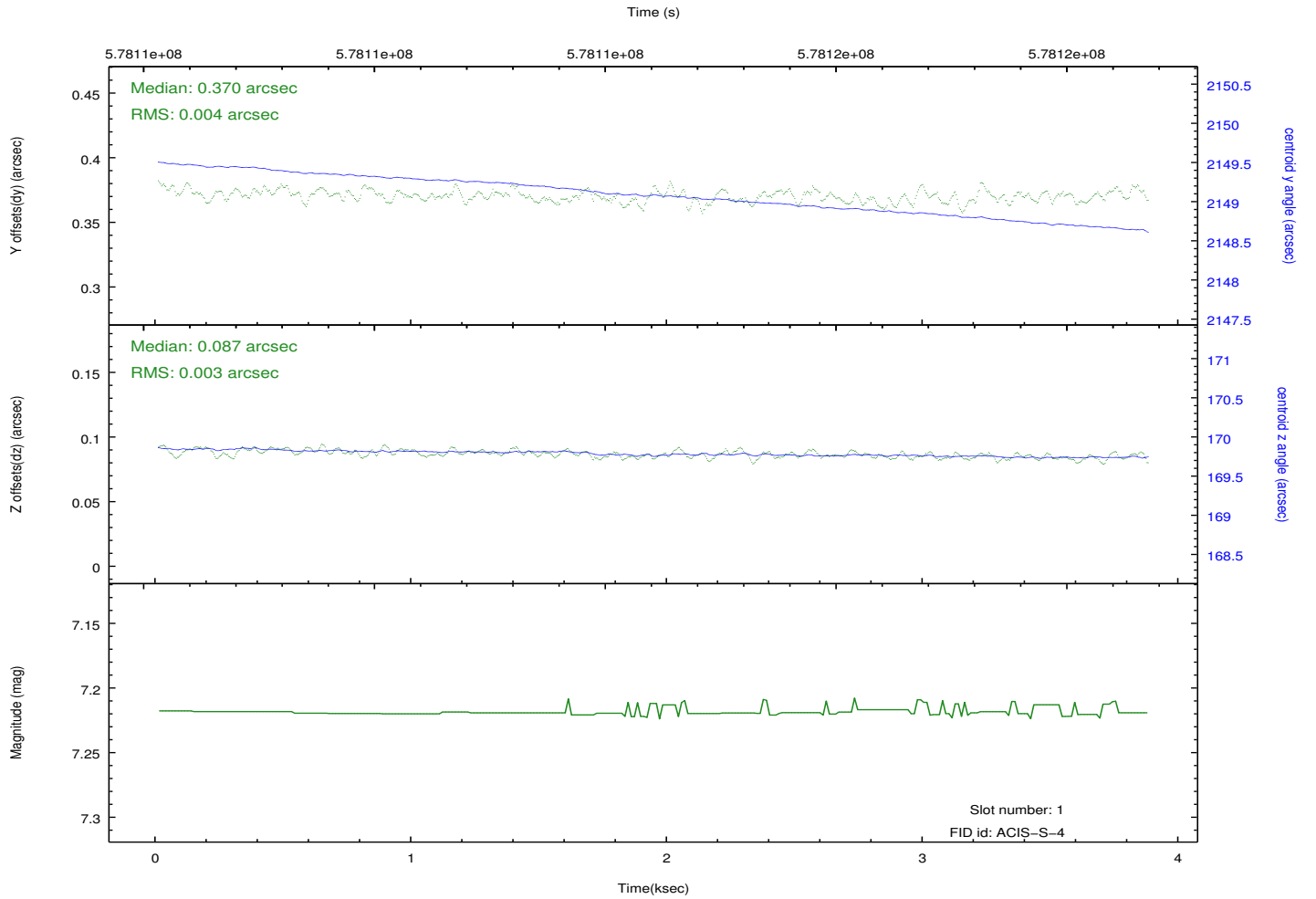
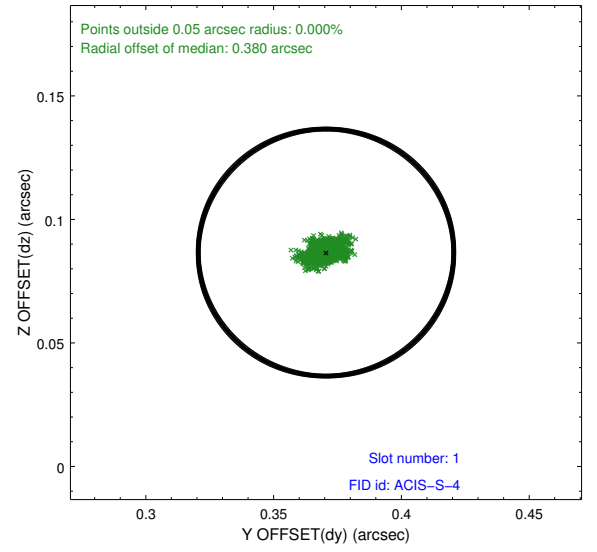
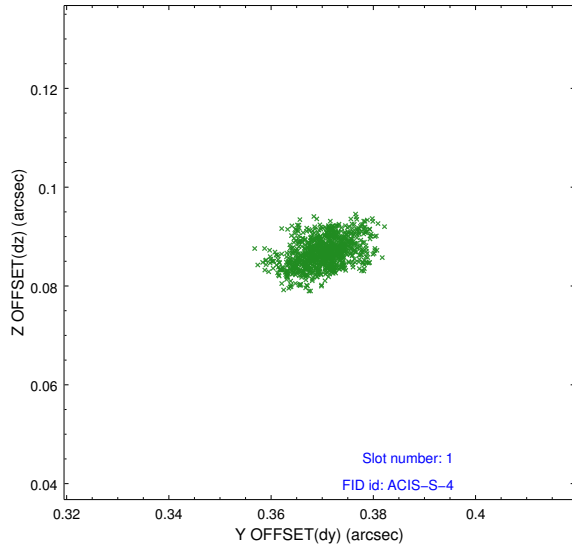


2.5 FID Slots

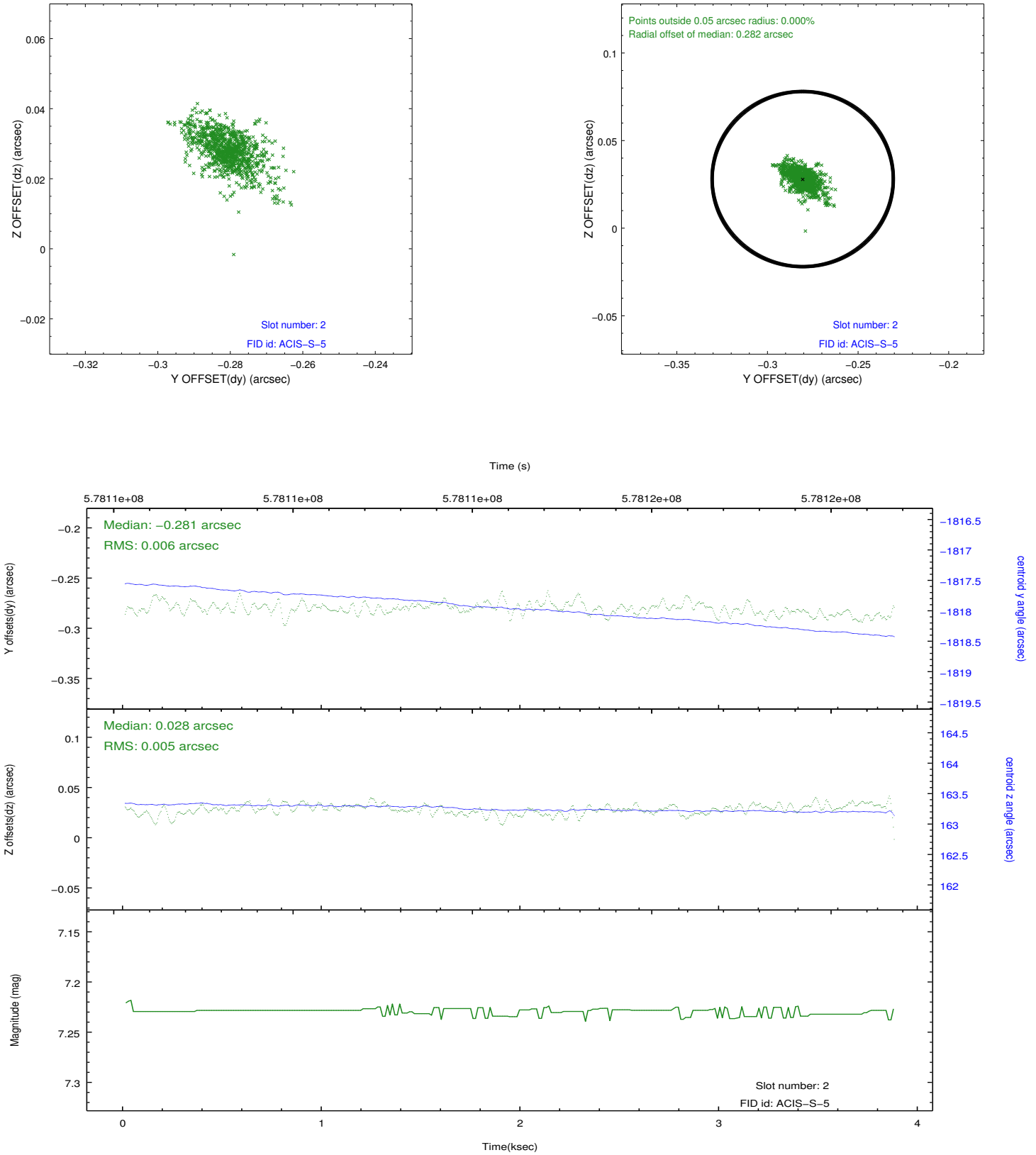
2.5.1 Slot 0



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)	2016.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.6512000544071

A.2 Comments