

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 16685 - L2 Version 1
Chandra X-Ray Center

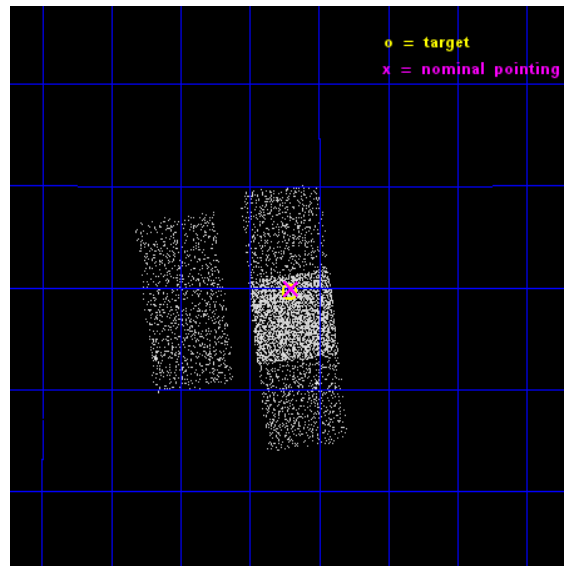
L2 Processing Date : Feb 18 2015

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1 Front

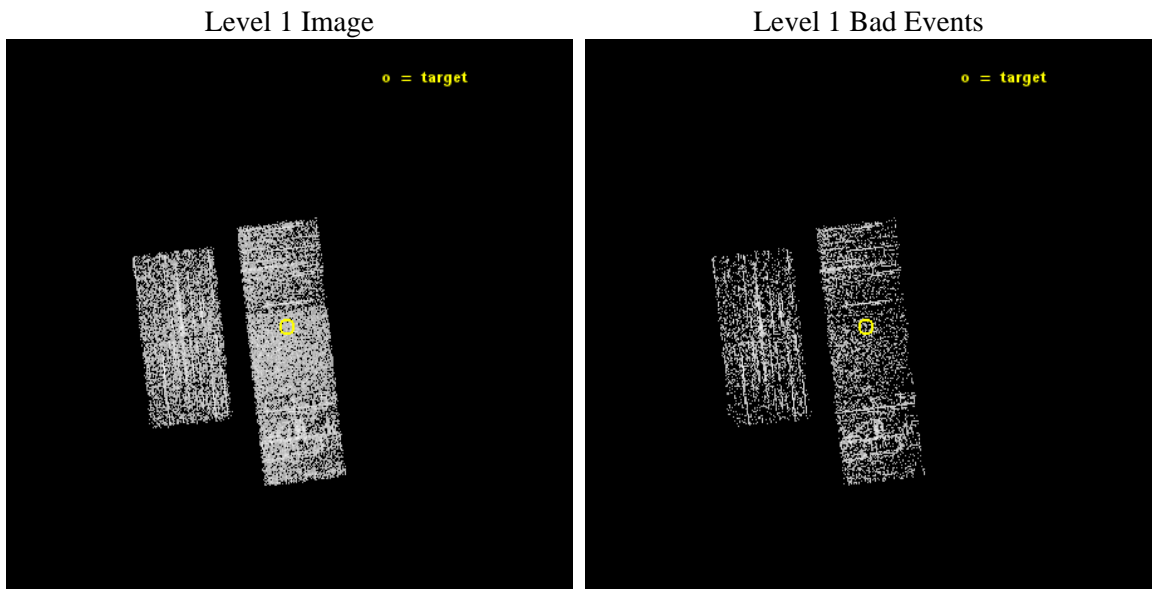
seq_num	300329	Sequence number
obs_id	16685	Observation id
title	Extremely Low-Mass White Dwarfs with Massive Companions	Proposal t
observer	Dr. Mukremin Kilic	Principal investigator
object	SDSS J144342.74+150938.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	220.927917	Observer's specified target RA [deg]
dec_targ	15.160722	Observer's specified target Dec [deg]
ra_nom	220.92489113175	Nominal RA [deg]
dec_nom	15.165321651993	Nominal Dec [deg]
roll_nom	83.290369968641	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1336.1000103951	Sum of GTIs [s]
liveltime	1318.6428801367	Livetime [s]
ontime2	1336.1000103951	Sum of GTIs [s]
ontime3	1336.1000103951	Sum of GTIs [s]
ontime6	1336.1000103951	Sum of GTIs [s]
ontime7	1336.1000103951	Sum of GTIs [s]
ontime8	1336.1000103951	Sum of GTIs [s]
l2events	6583	Number of level 2 events



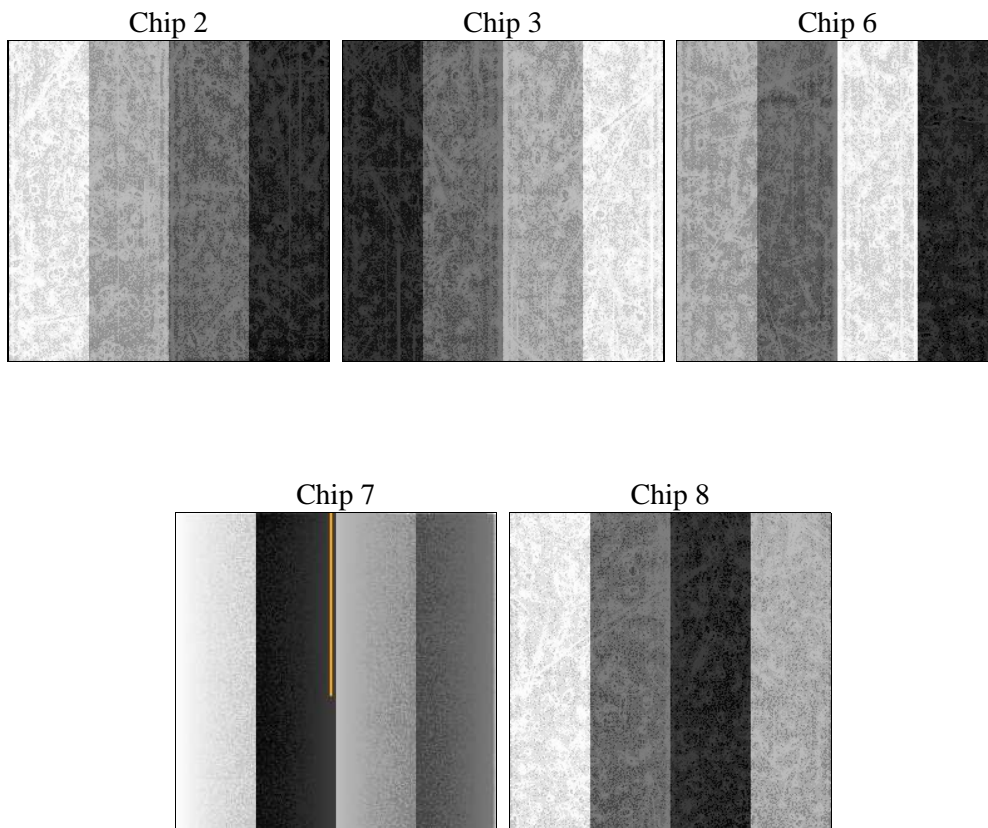
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1300.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	1336.1000103951	Sum of GTIs [s]
caldsver	4.6.6	 	ontime2	1336.1000103951	Sum of GTIs [s]
date	2015-02-18T15:17:00	Date and time of file creation	ontime3	1336.1000103951	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	1336.1000103951	Sum of GTIs [s]
			ontime7	1336.1000103951	Sum of GTIs [s]
			ontime8	1336.1000103951	Sum of GTIs [s]
			l1events	40269	Number of level 1 events

2.1.4 Events

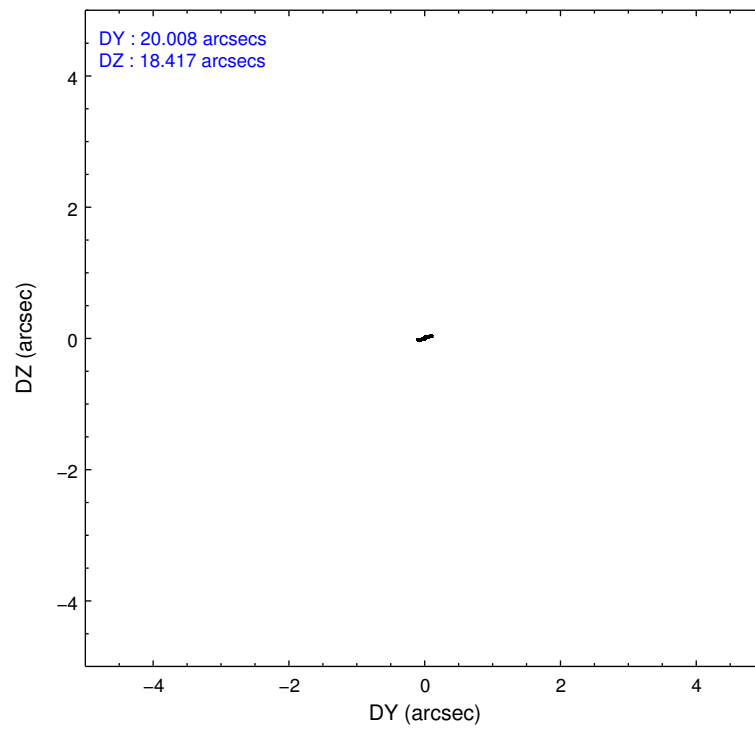
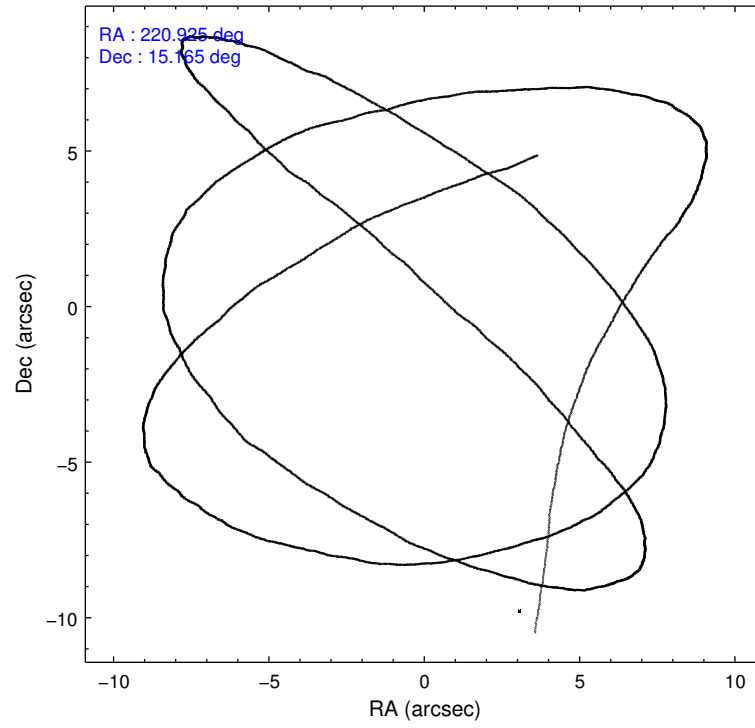
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	7210	7593	7206	9166	9094
rejected events	6523	6849	6436	5202	7209
rejected %	90%	90%	89%	56%	79%

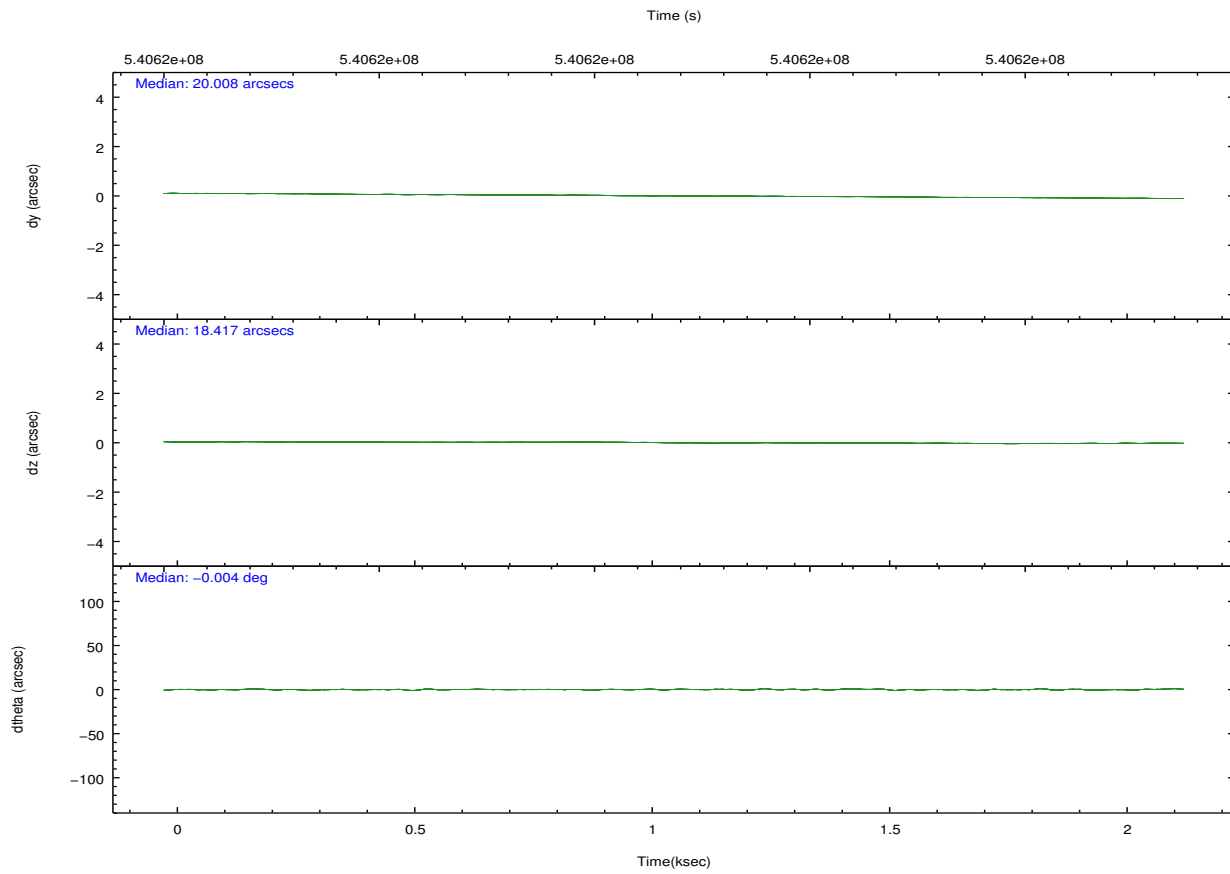
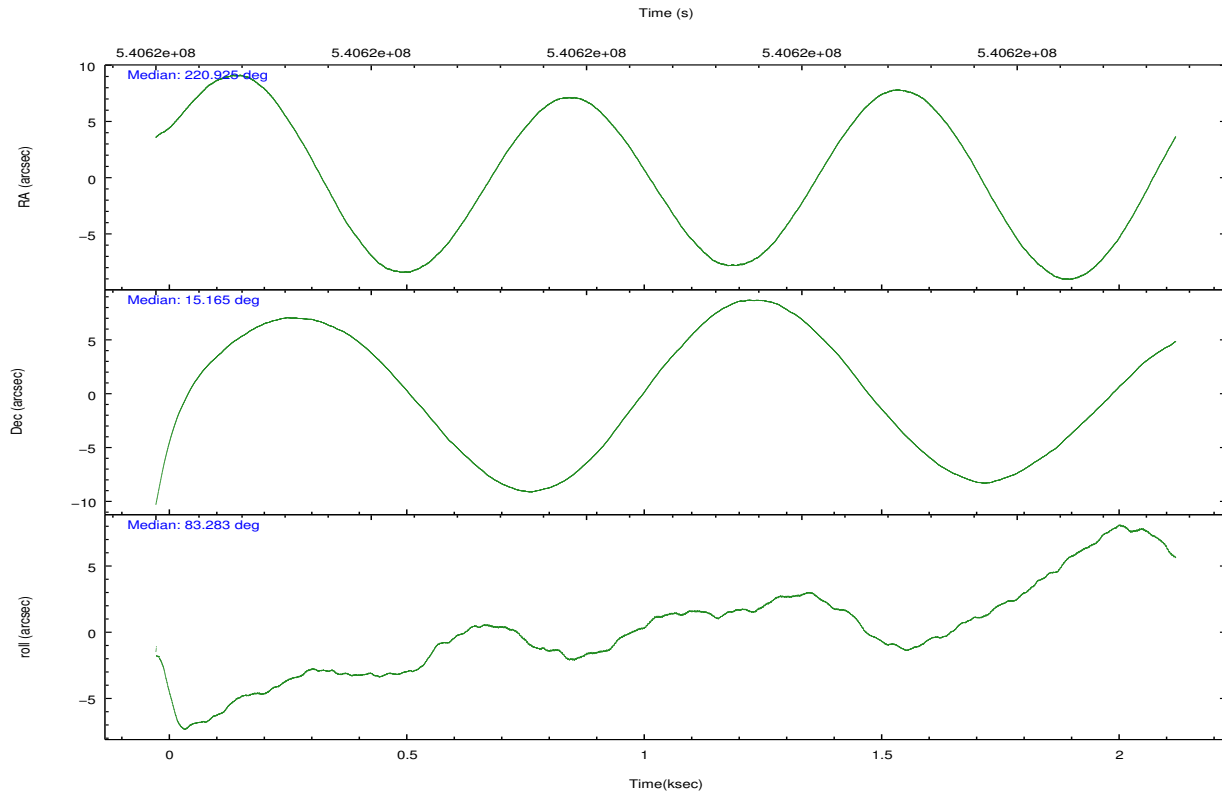
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	236	269	241	327	495
	3%	3%	3%	3%	5%
grade 1 events	4	3	2	7	6
	0%	0%	0%	0%	0%
grade 2 events	169	173	197	831	461
	2%	2%	2%	9%	5%
grade 3 events	65	78	63	313	146
	0%	1%	0%	3%	1%
grade 4 events	72	74	71	307	156
	0%	0%	0%	3%	1%
grade 5 events	268	312	299	860	496
	3%	4%	4%	9%	5%
grade 6 events	148	151	199	2192	628
	2%	1%	2%	23%	6%
grade 7 events	6248	6533	6134	4329	6706
	86%	86%	85%	47%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	220.936498	220.9248911317495	CCD I2 on	O2	Y
[deg] Pointing Dec	15.140249	15.16532165199288	CCD I3 on	O1	Y
[deg] Pointing Roll	83.130700	83.29036996864062	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	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	O4	Y
[s] Observation start time (MET)	540616948.184000	540615303.44663	CCD S5 on	N	N
Observation start date	2015-02-18T03:21:21	2015-02-18T02:55:03	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	540618248.184000	540618969.35934	On-chip summing requested	N	N
Observation end date	2015-02-18T03:43:01	2015-02-18T03:56:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





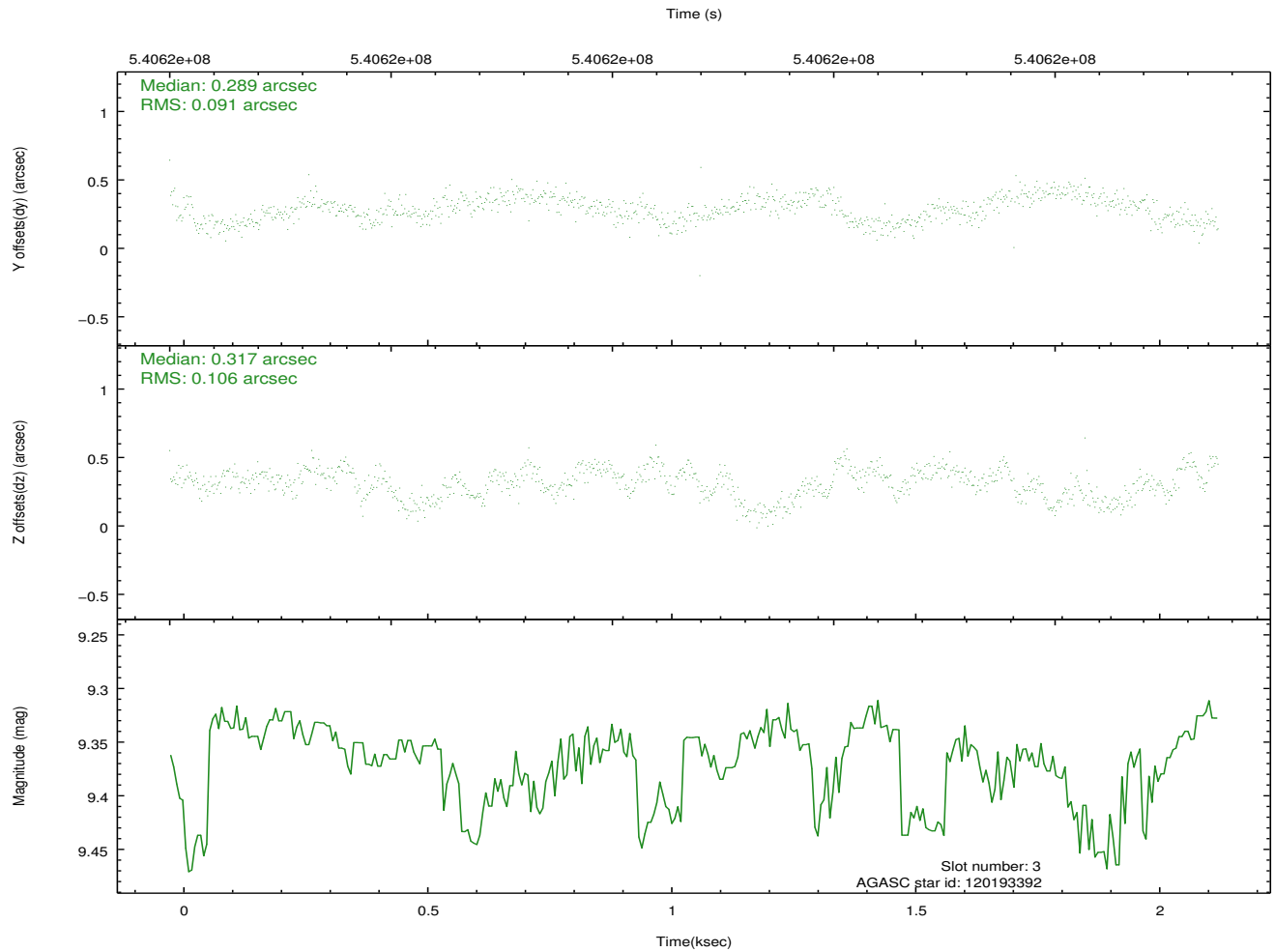
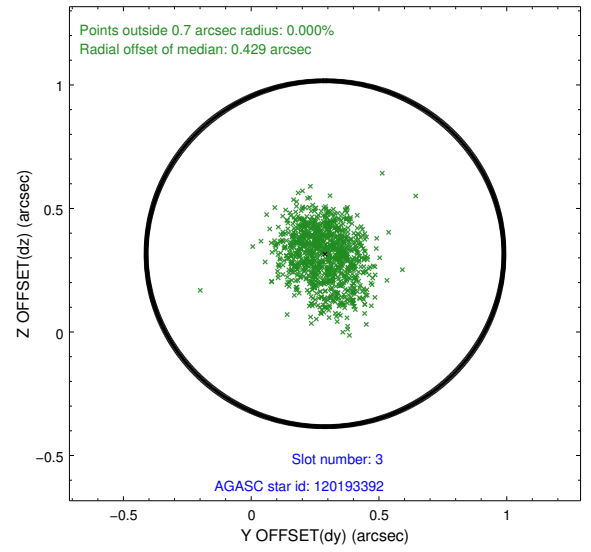
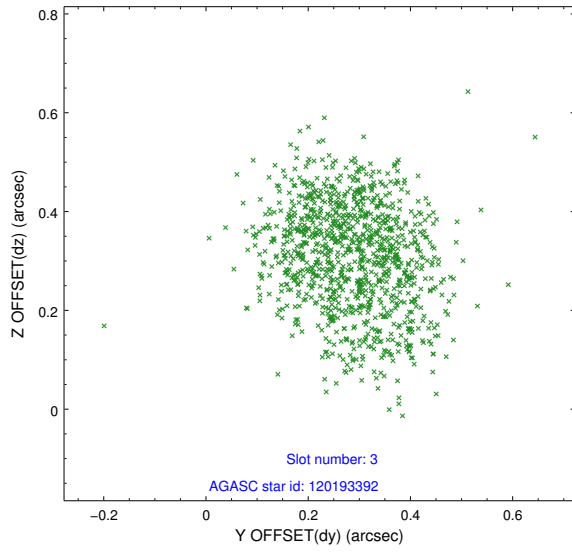
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	524	-0.146	-0.092	0.007	0.011	0.000000	0.000000	-773.28	-1739.98
1	FID		ACIS-S-4	7.22	524	0.349	0.095	0.005	0.010	0.000000	0.000000	2139.11	165.51
2	FID		ACIS-S-5	7.24	524	-0.234	0.006	0.007	0.011	0.000000	0.000000	-1822.31	162.58
3	GUIDE	used	120193392	9.36	1046	0.289	0.317	0.147	0.233	221.172589	14.692823	-1499.50	-1008.57
4	GUIDE	used	120193952	8.75	1047	0.227	0.339	0.125	0.191	221.453349	14.642271	-1563.18	-2001.03
5	GUIDE	used	193593904	9.17	1048	-0.394	-0.487	0.111	0.177	220.676210	15.367467	703.33	992.70
6	GUIDE	used	193727864	8.63	1048	-0.226	0.143	0.125	0.193	221.624672	15.518983	1643.94	-2204.69
7	GUIDE	used	120193768	8.88	1045	0.097	-0.296	0.105	0.164	220.697370	14.694638	-1690.23	632.90

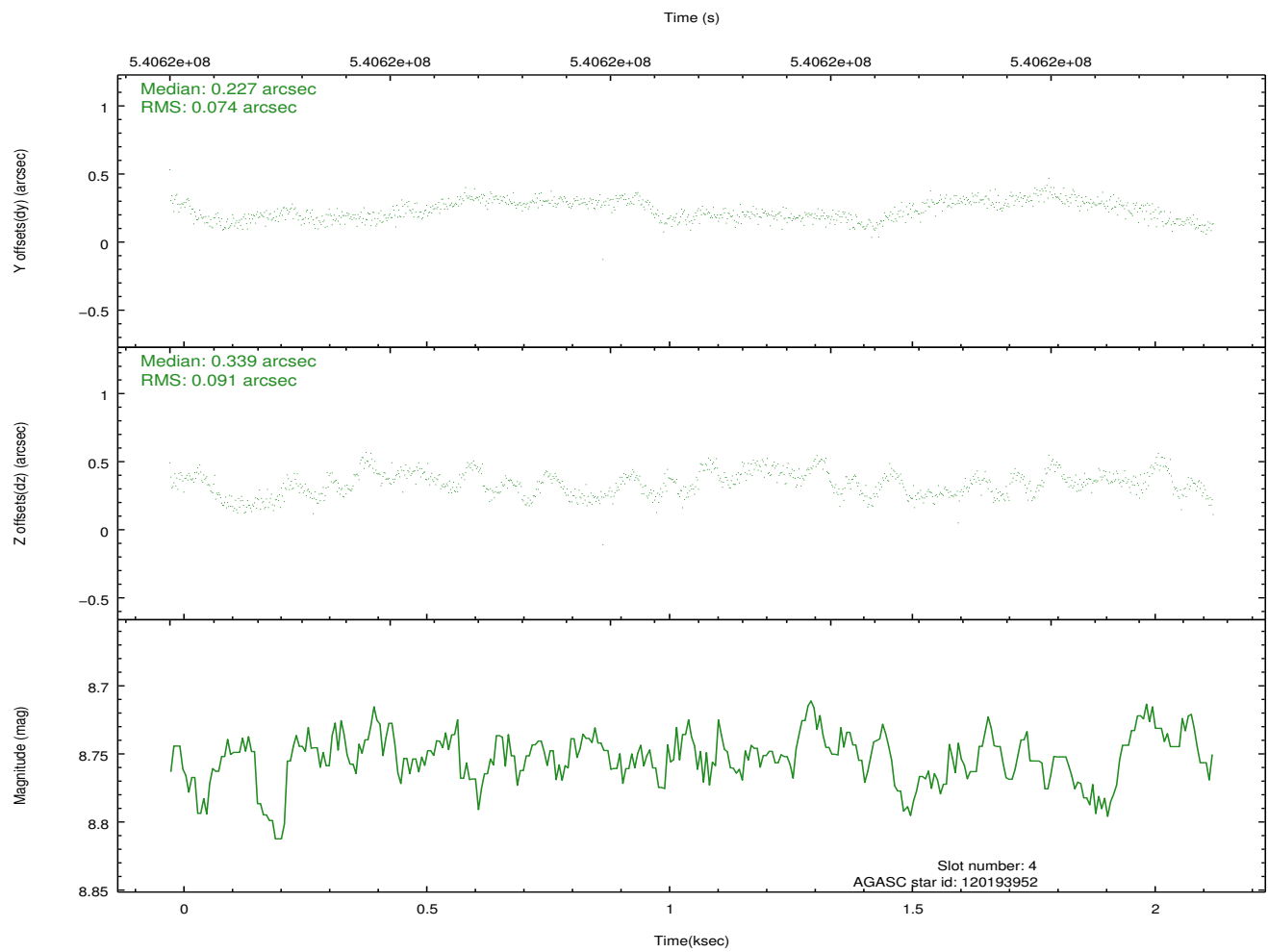
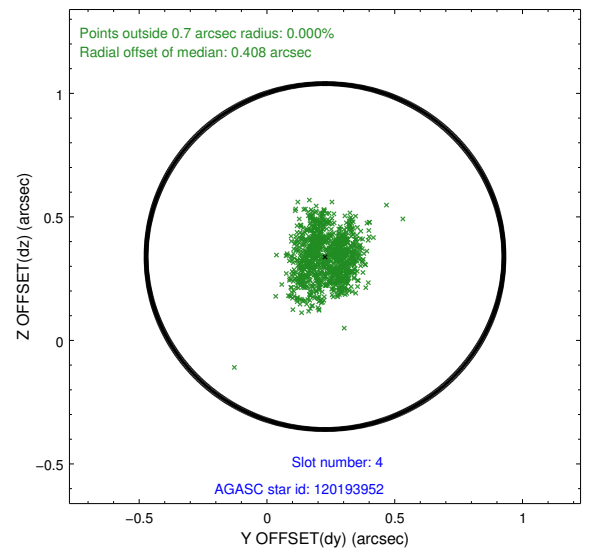
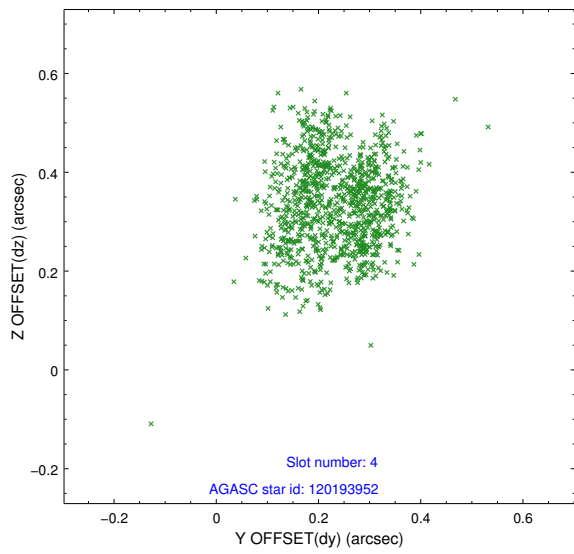
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2.4 Star Slots

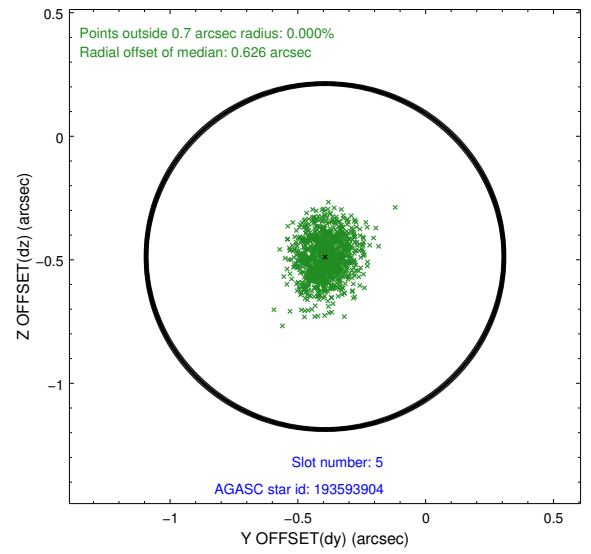
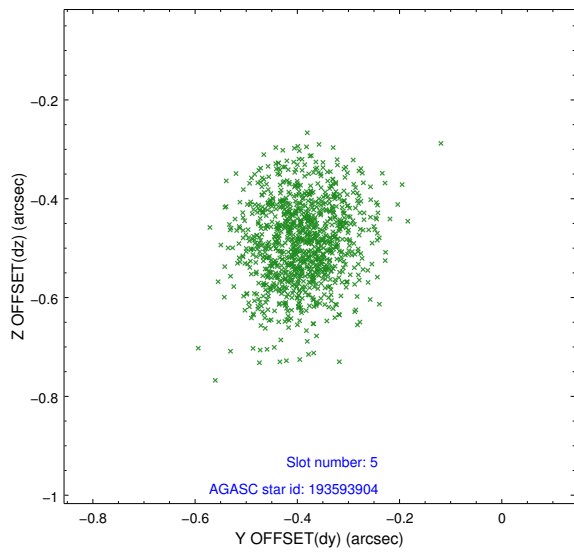
2.4.1 Slot 3



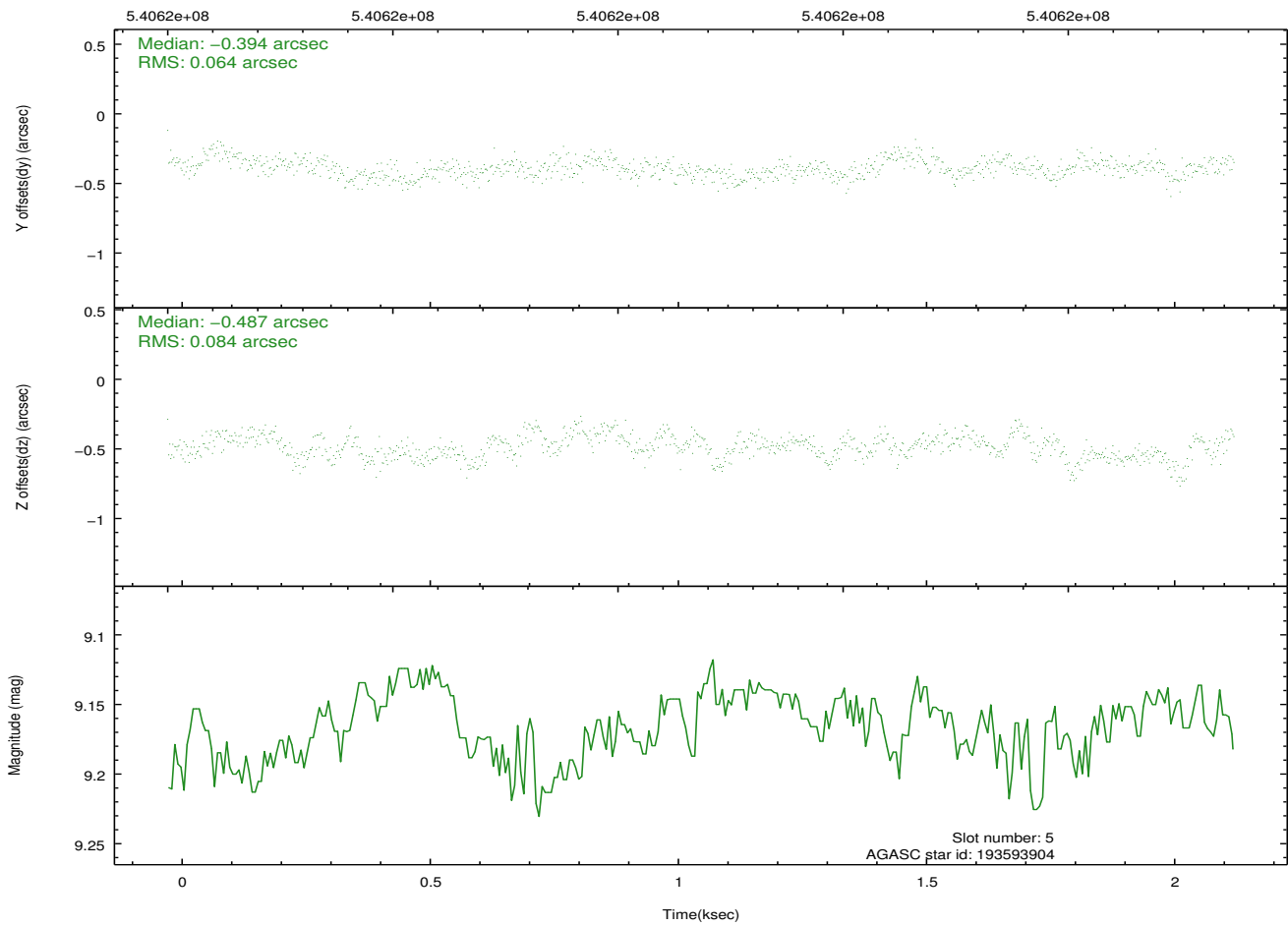
2.4.2 Slot 4



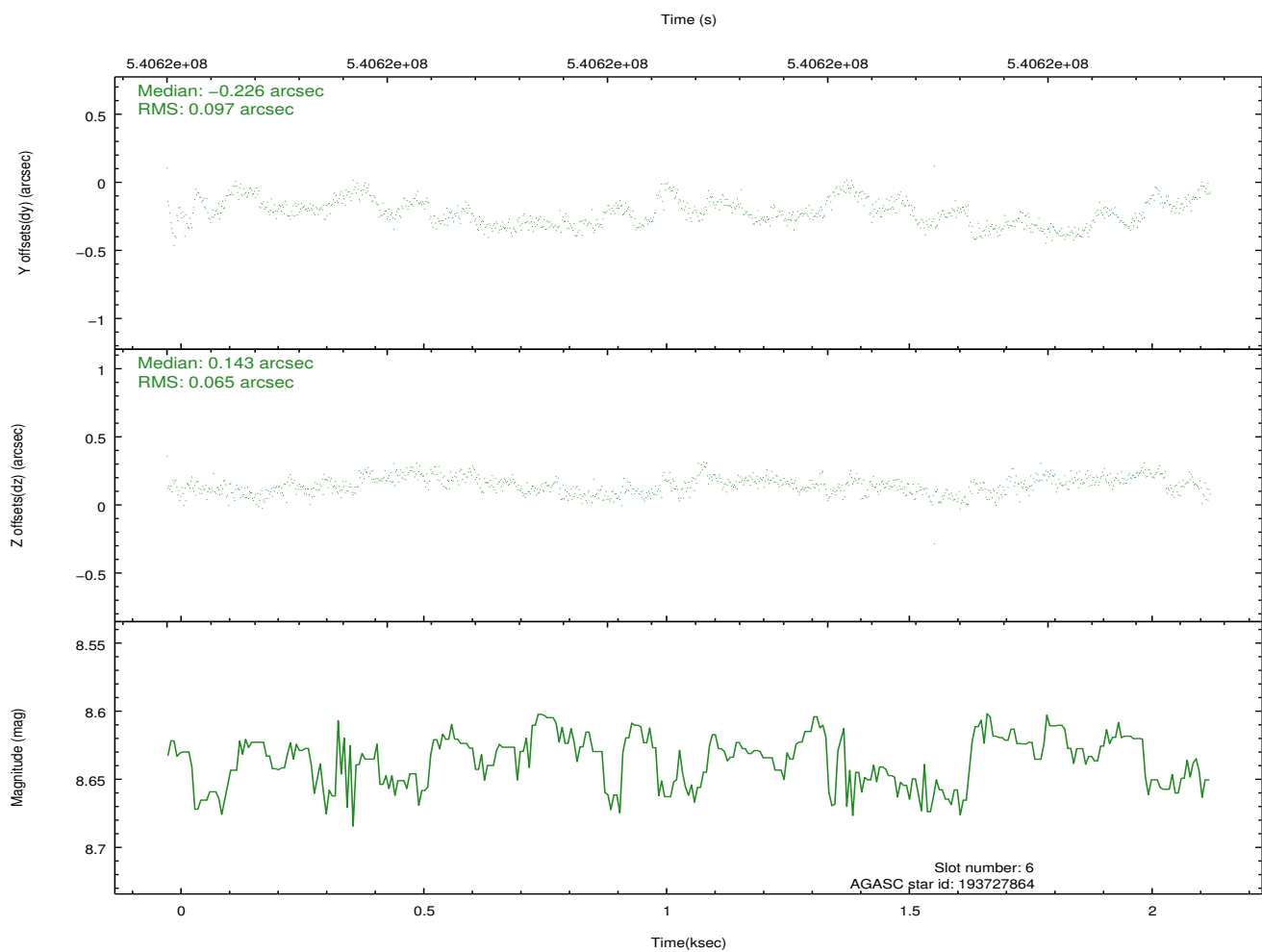
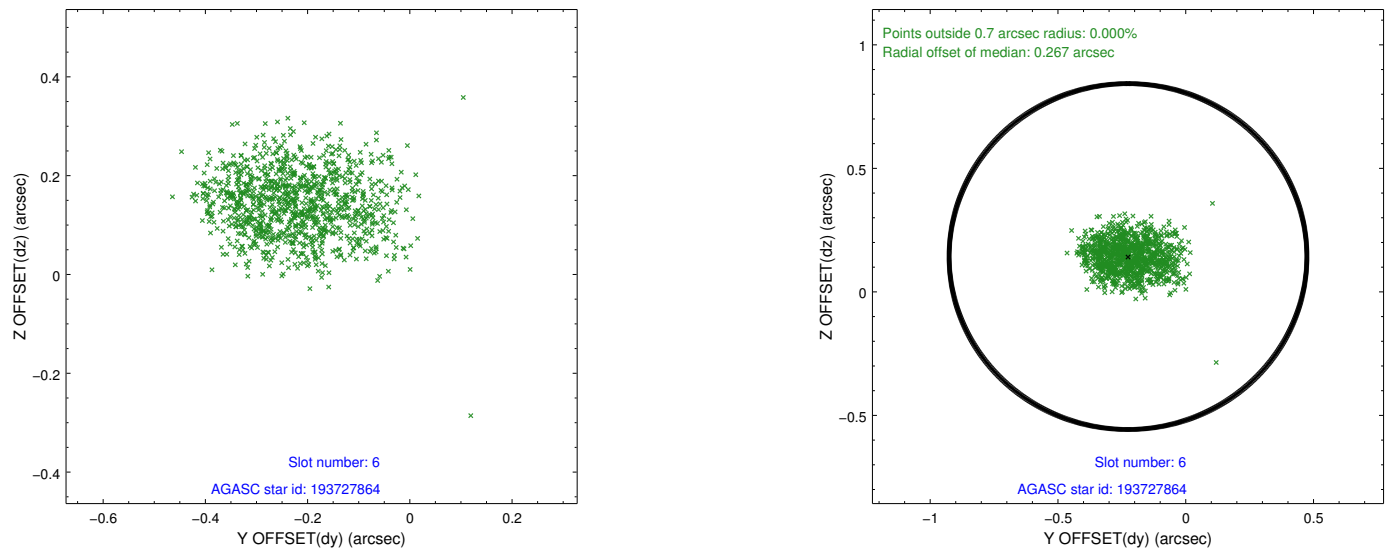
2.4.3 Slot 5



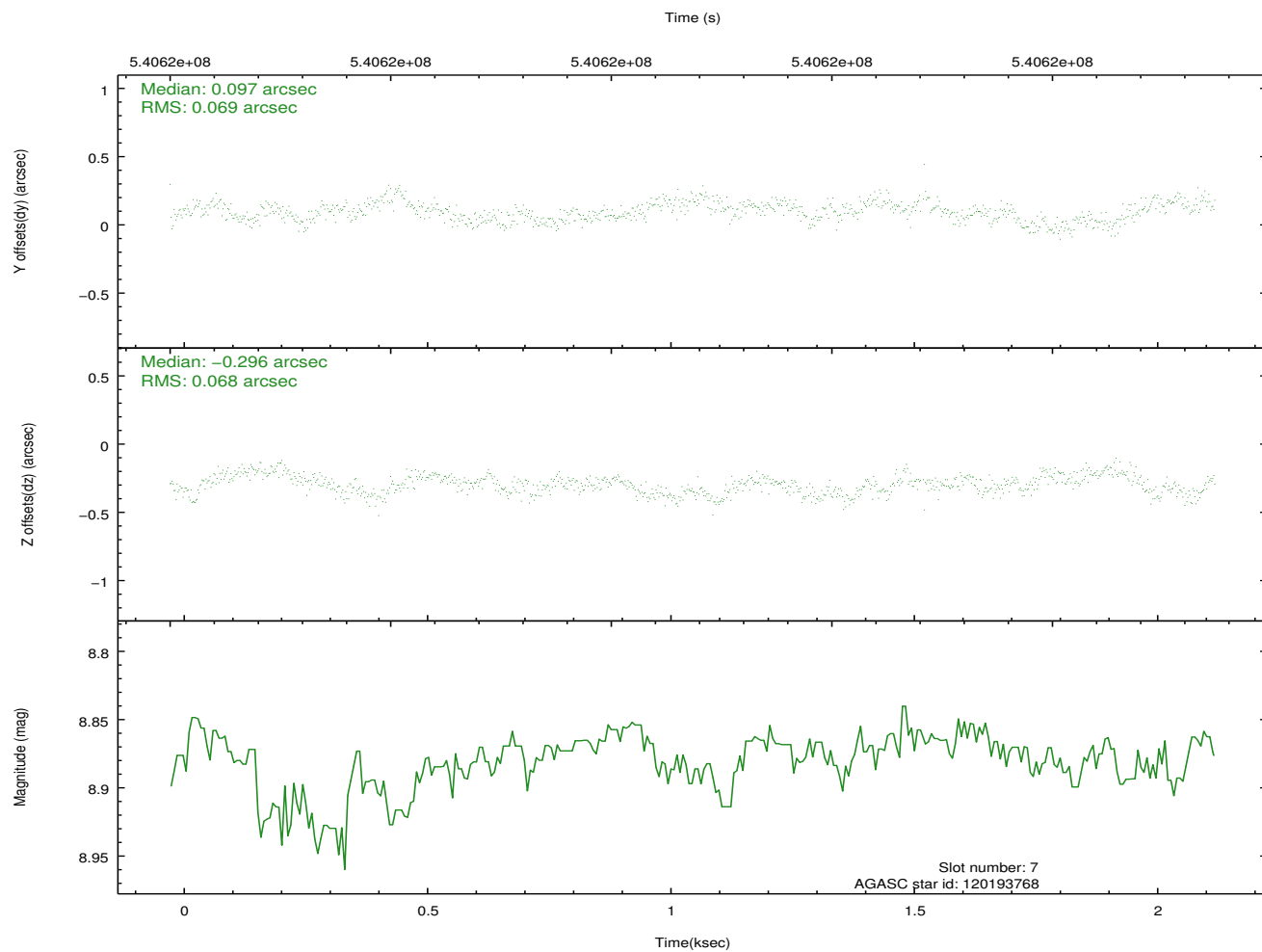
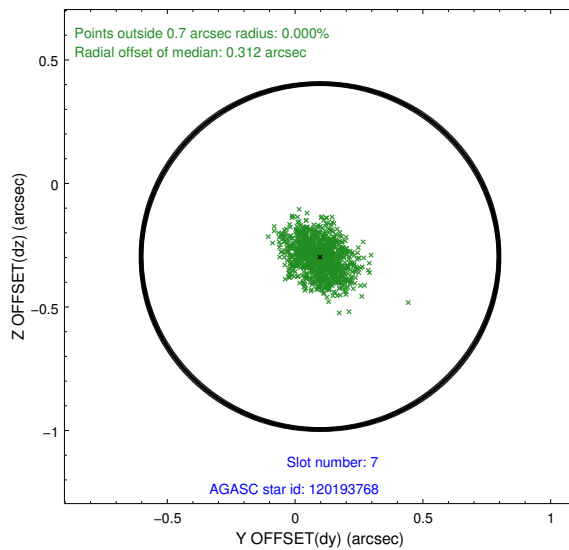
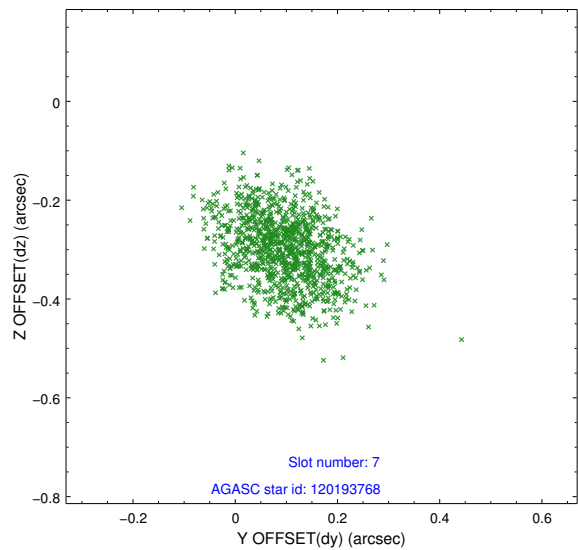
Time (s)



2.4.4 Slot 6

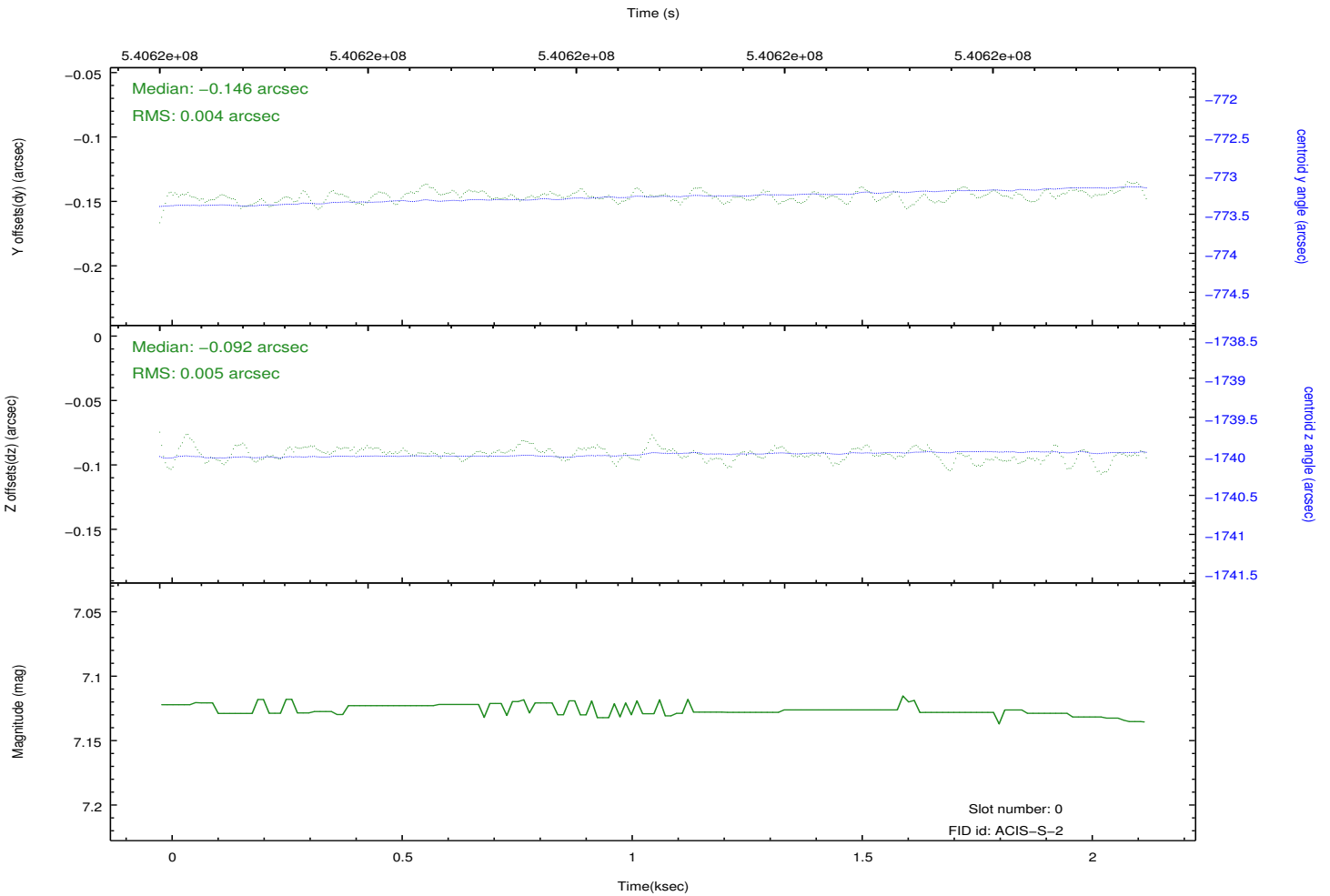
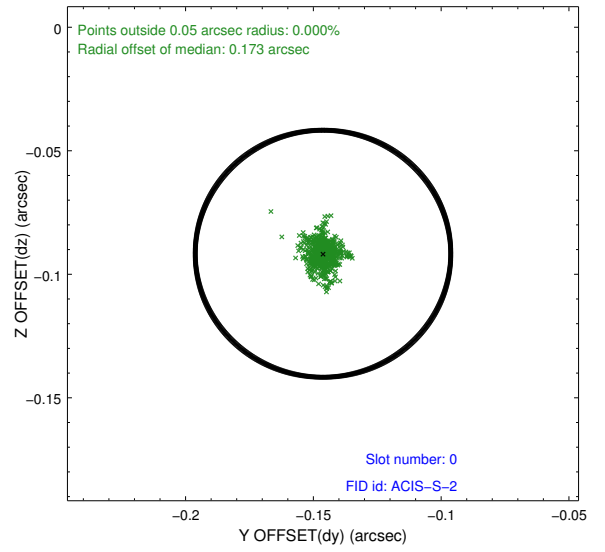
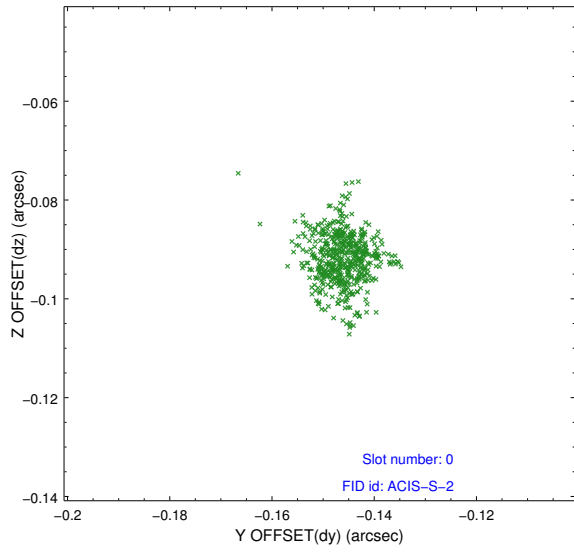


2.4.5 Slot 7

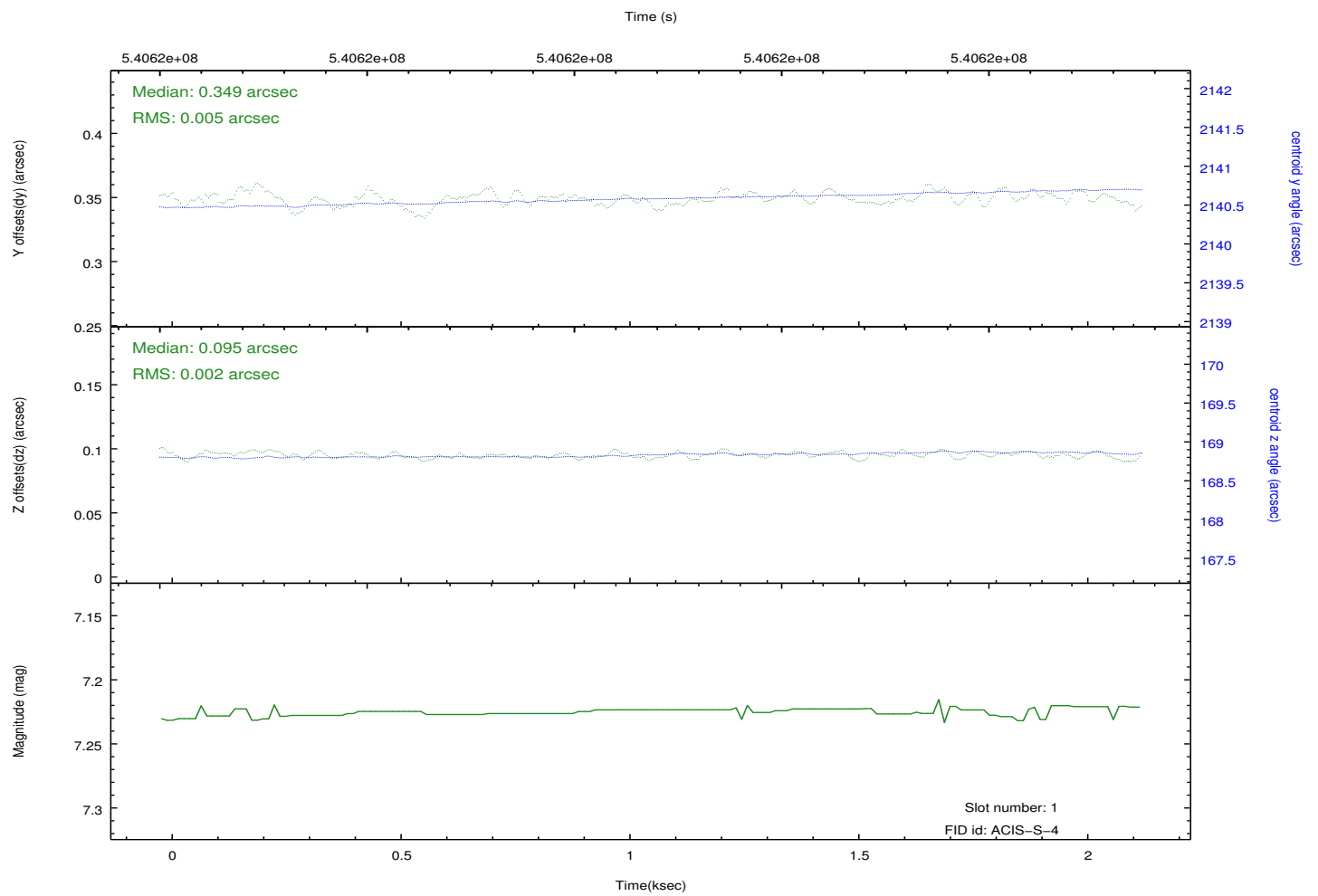
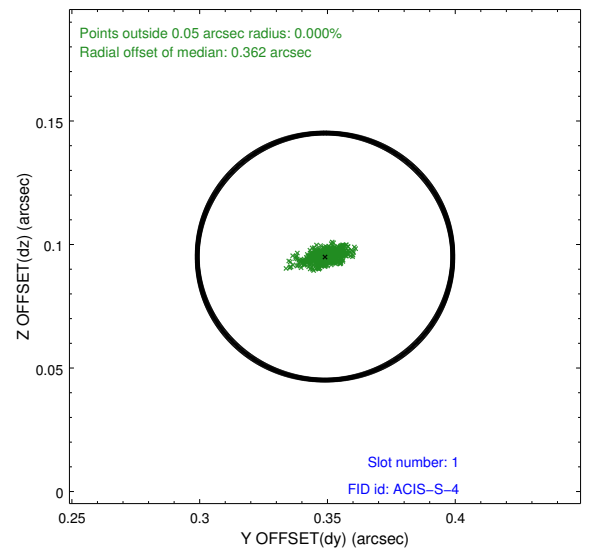
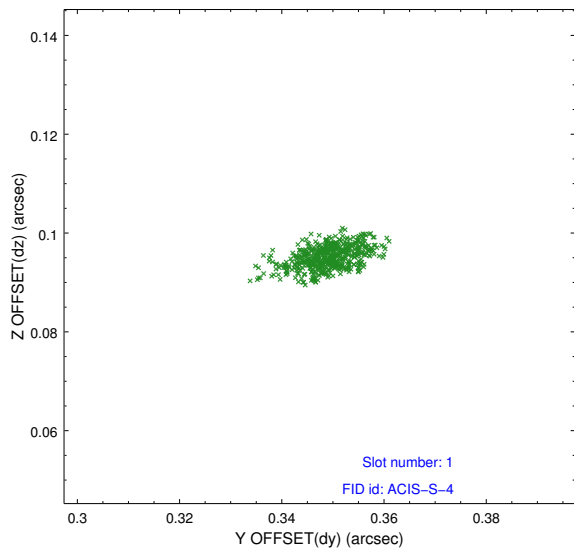


2.5 FID Slots

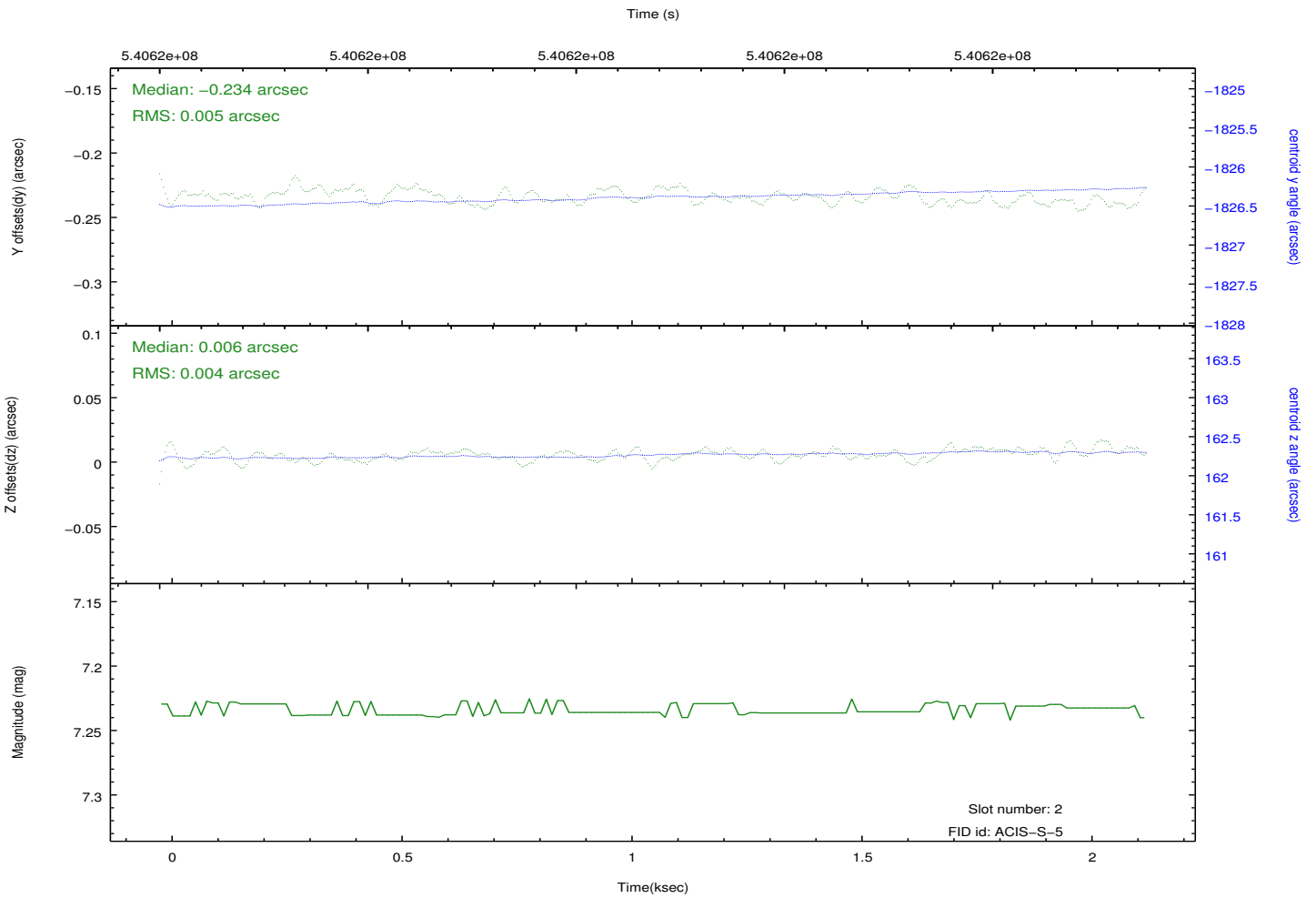
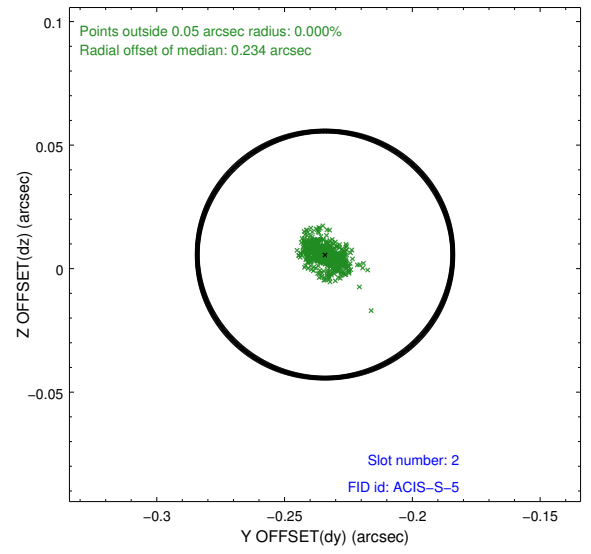
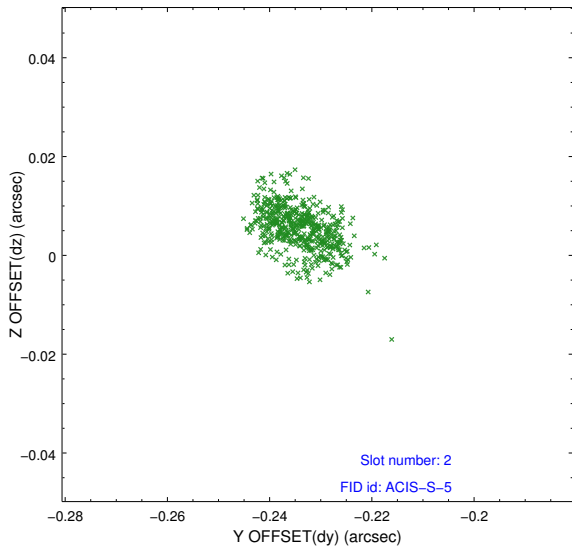
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.02.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.3361000103951

A.2 Comments