

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18942 - L2 Version 1
Chandra X-Ray Center

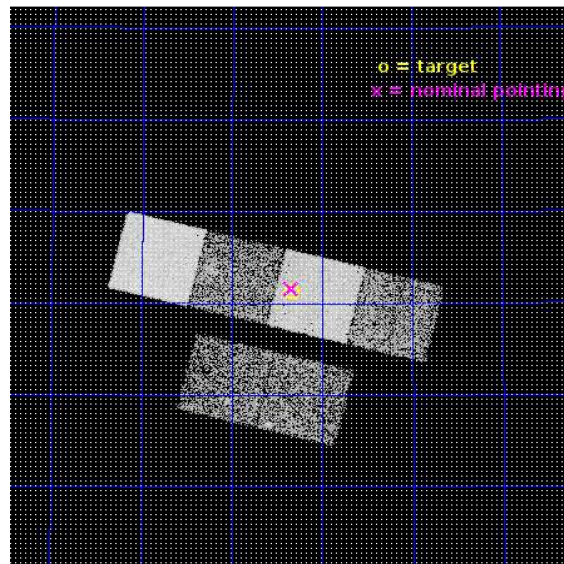
L2 Processing Date : Dec 19 2016

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1 Front

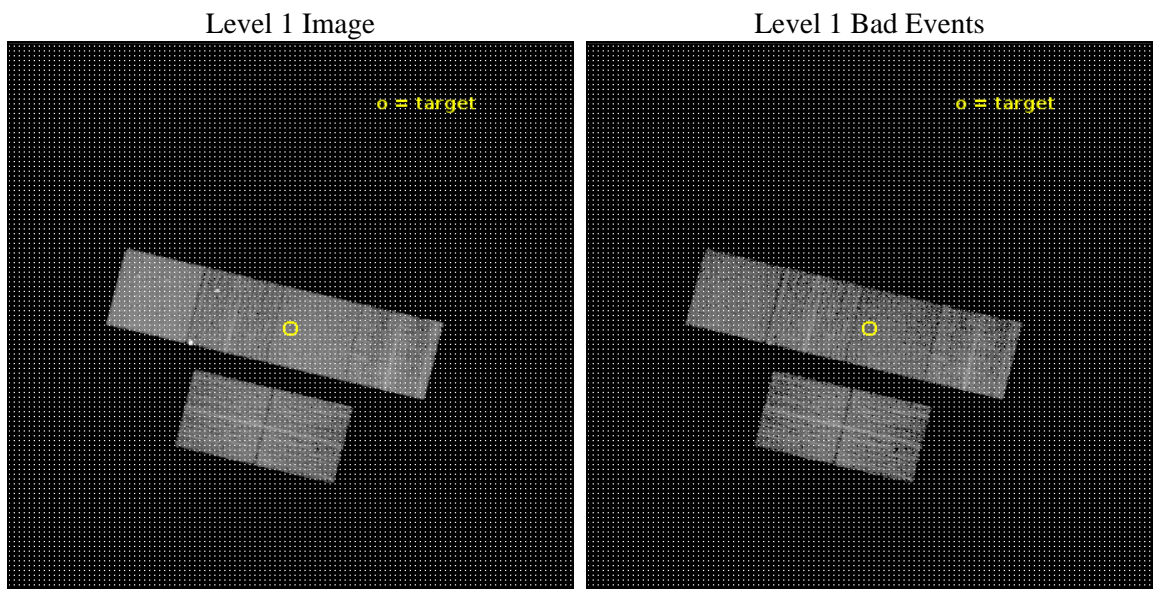
seq_num	201135	Sequence number
obs_id	18942	Observation id
title	Probing the Dynamo Mechanism in Fully Convective Stars	Proposal ti
observer	Nicholas Wright	Principal investigator
object	2MASS J16492028+5101177	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	252.3325	Observer's specified target RA [deg]
dec_targ	51.022194	Observer's specified target Dec [deg]
ra_nom	252.3355422684	Nominal RA [deg]
dec_nom	51.026668041477	Nominal Dec [deg]
roll_nom	13.84910720472	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5939.200088501	Sum of GTIs [s]
liveltime	5863.9943608234	Livetime [s]
ontime2	5939.200088501	Sum of GTIs [s]
ontime3	5939.200088501	Sum of GTIs [s]
ontime5	5939.200088501	Sum of GTIs [s]
ontime6	5939.200088501	Sum of GTIs [s]
ontime7	5939.200088501	Sum of GTIs [s]
ontime8	5939.200088501	Sum of GTIs [s]
l2events	71228	Number of level 2 events



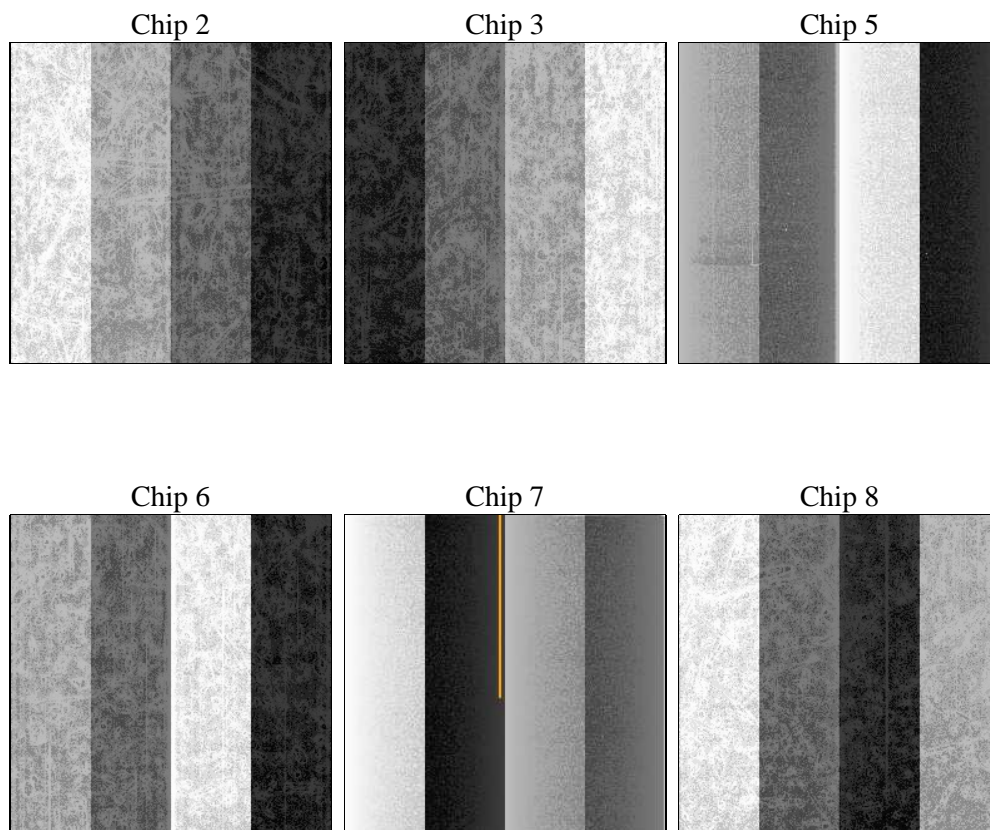
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	5939.200088501	Sum of GTIs [s]
caldbver	4.7.3	 	ontime2	5939.200088501	Sum of GTIs [s]
date	2016-12-19T11:45:34	Date and time of file creation	ontime3	5939.200088501	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	5939.200088501	Sum of GTIs [s]
			ontime6	5939.200088501	Sum of GTIs [s]
			ontime7	5939.200088501	Sum of GTIs [s]
			ontime8	5939.200088501	Sum of GTIs [s]
			l1events	312671	Number of level 1 events

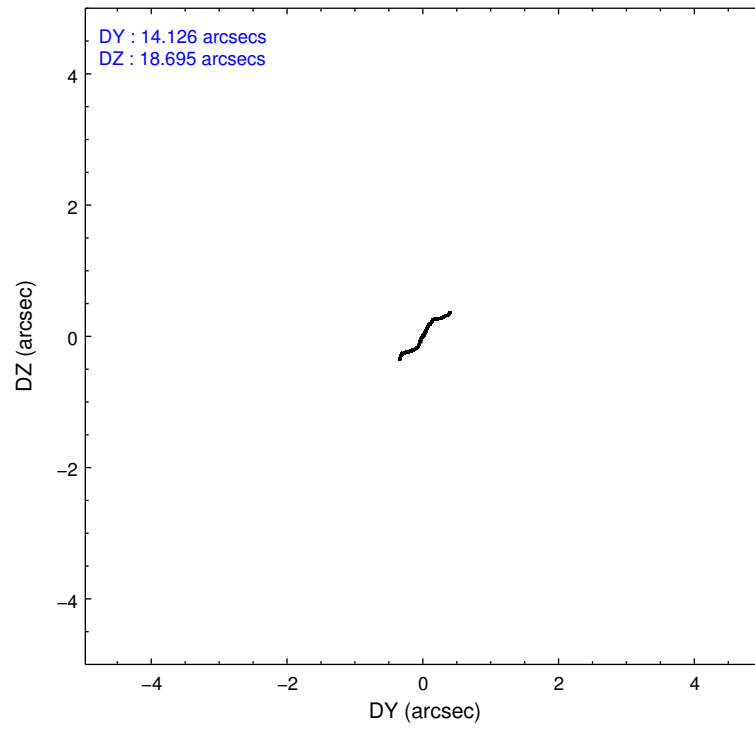
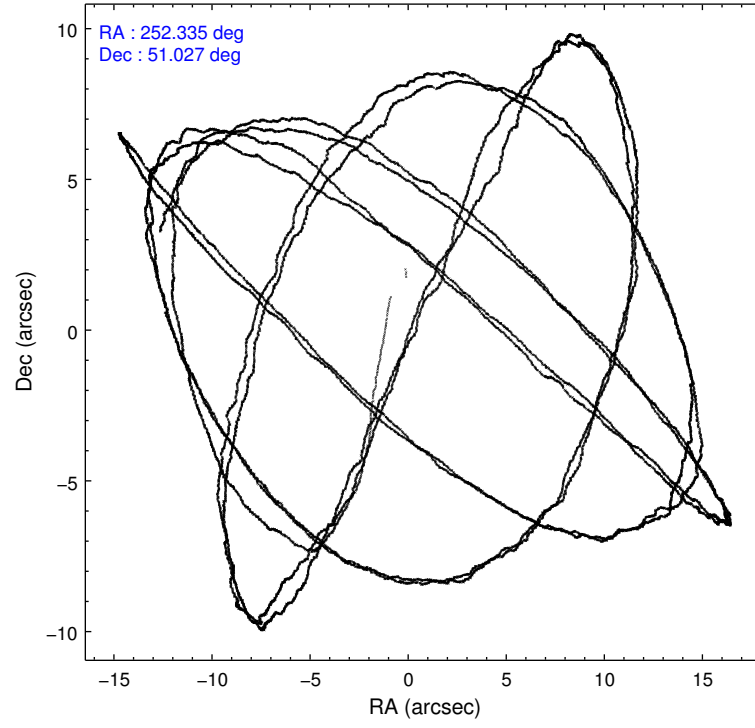
2.1.4 Events

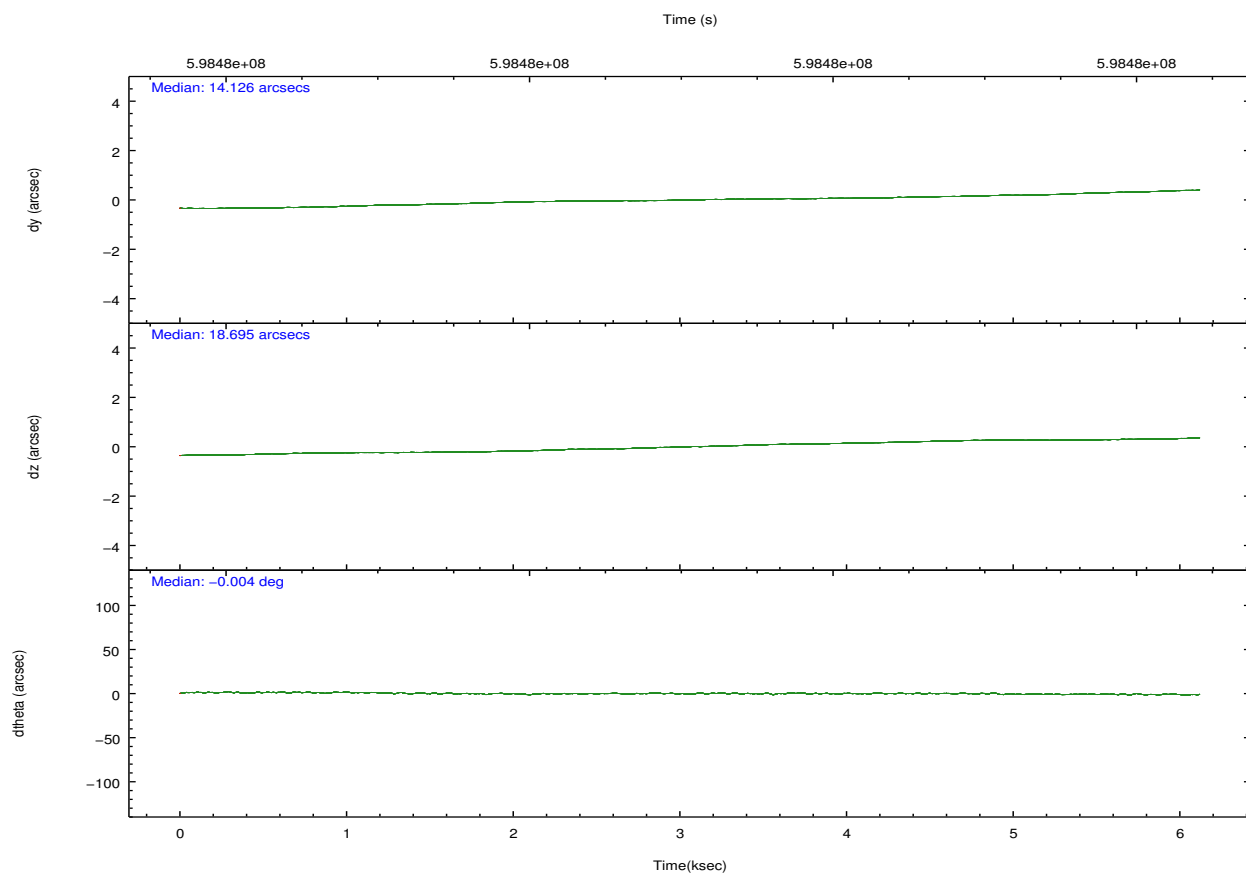
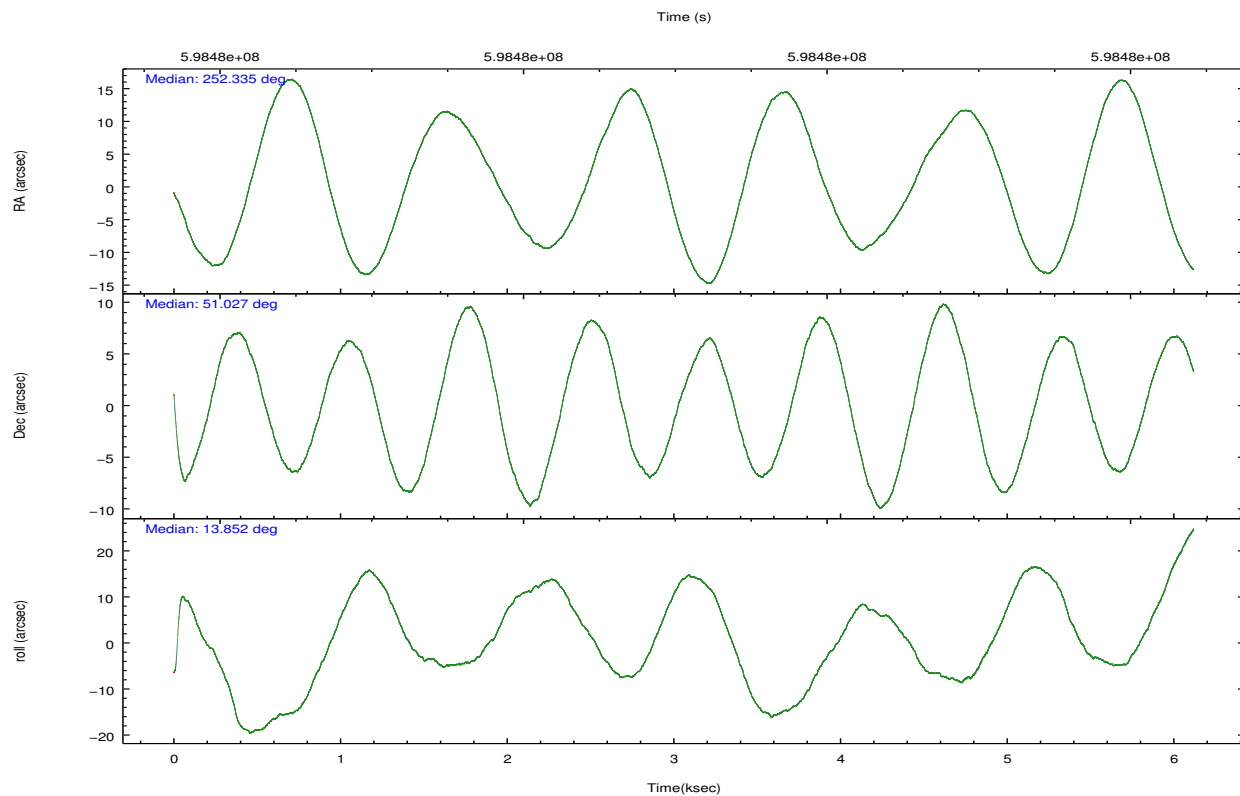
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43151	42035	66391	51866	54325	54903	grade 0 events	1634	1682	2156	5381	2043	4464
rejected events	38585	37536	34334	37086	30390	40043		3%	4%	3%	10%	3%	8%
rejected %	89%	89%	51%	71%	55%	72%	grade 1 events	24	32	137	56	87	48
								0%	0%	0%	0%	0%	0%
							grade 2 events	1108	946	10049	7298	5113	3584
								2%	2%	15%	14%	9%	6%
							grade 3 events	459	469	1107	485	1934	1570
								1%	1%	1%	0%	3%	2%
							grade 4 events	444	462	1003	502	1863	1459
								1%	1%	1%	0%	3%	2%
							grade 5 events	1805	1938	4790	1994	5478	3077
								4%	4%	7%	3%	10%	5%
							grade 6 events	921	946	17769	1135	12996	3794
								2%	2%	26%	2%	23%	6%
							grade 7 events	36756	35560	29380	35015	24811	36907
								85%	84%	44%	67%	45%	67%

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	252.304534	252.3355422683954	CCD I2 on	O1	Y
[deg] Pointing Dec	51.007362	51.02666804147727	CCD I3 on	O2	Y
[deg] Pointing Roll	13.716644	13.84910720471989	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	598478123.184000	598477046.385	CCD S5 on	N	N
Observation start date	2016-12-18T19:54:15	2016-12-18T19:37:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	598484123.184000	598484950.16046	On-chip summing requested	N	N
Observation end date	2016-12-18T21:34:15	2016-12-18T21:49:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



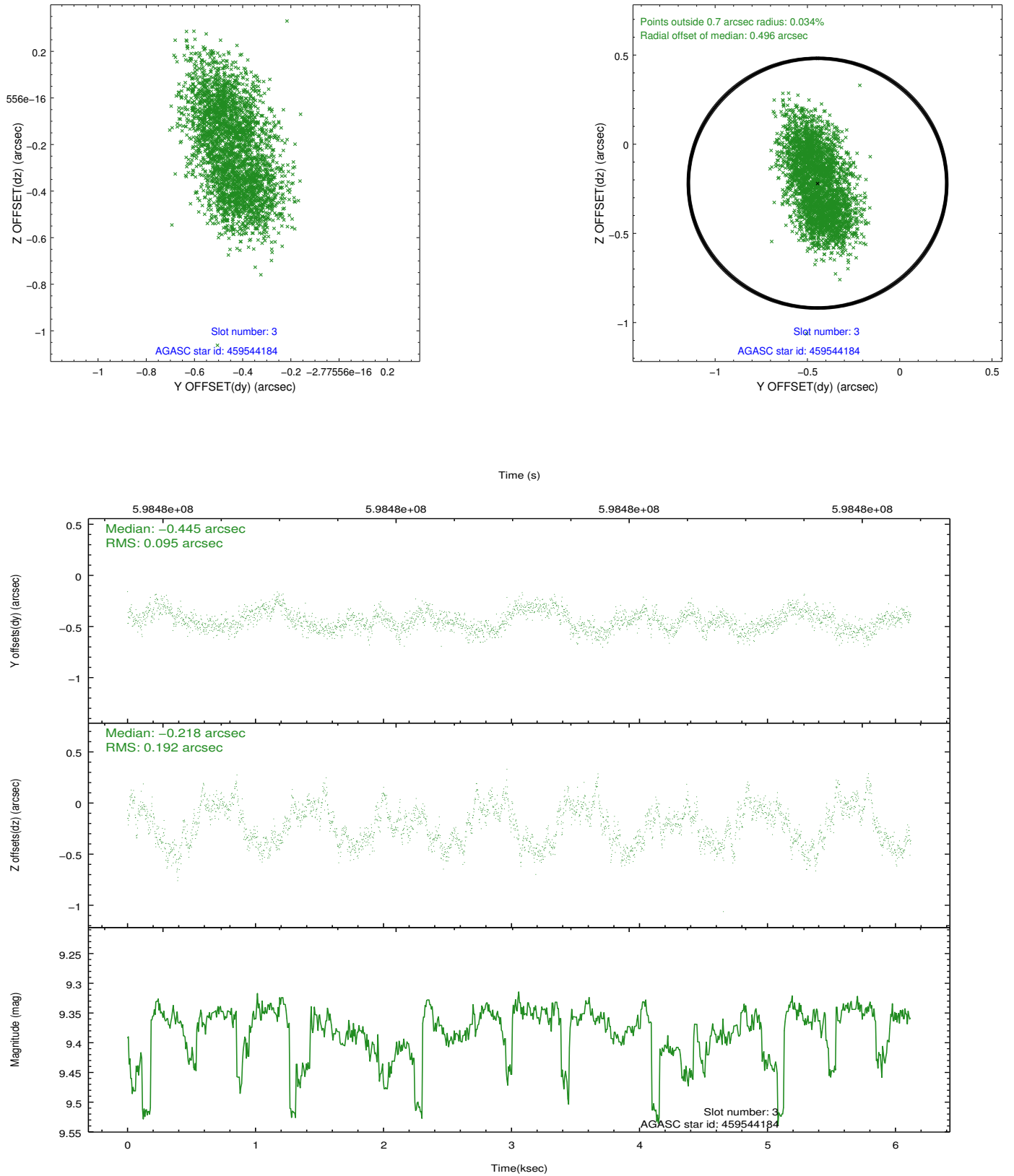


Slot Statistics

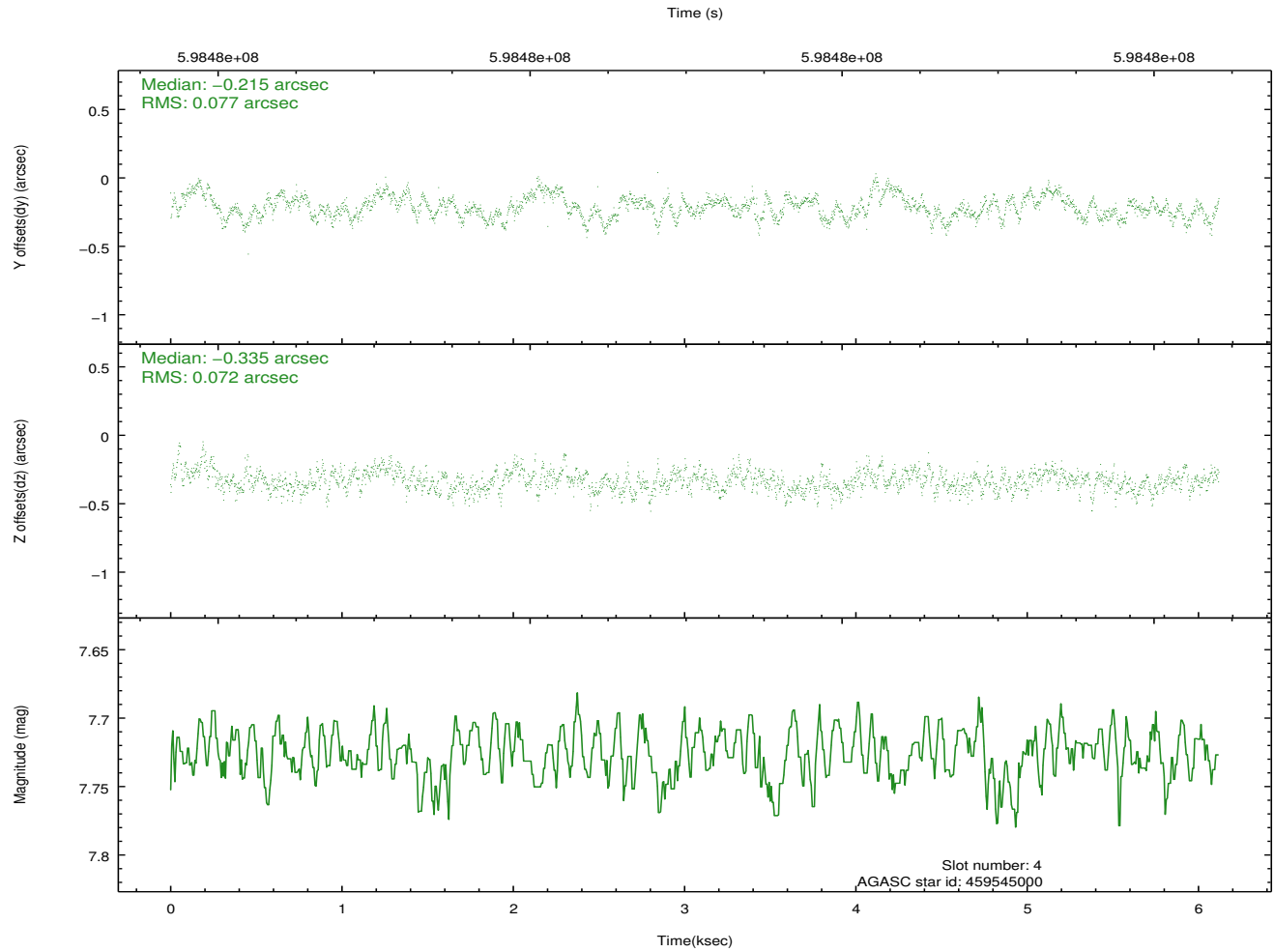
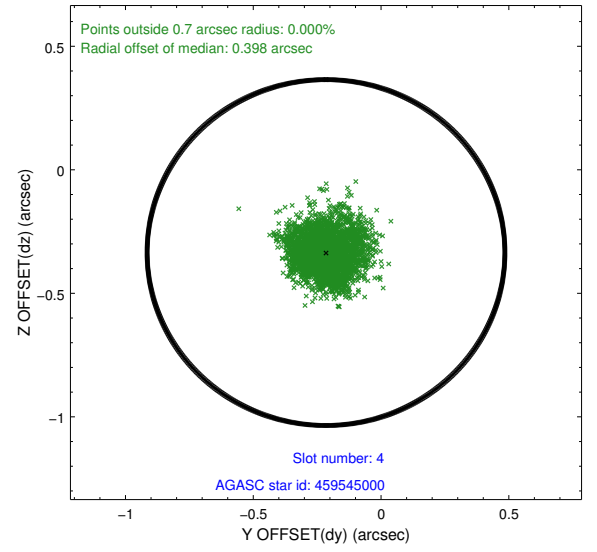
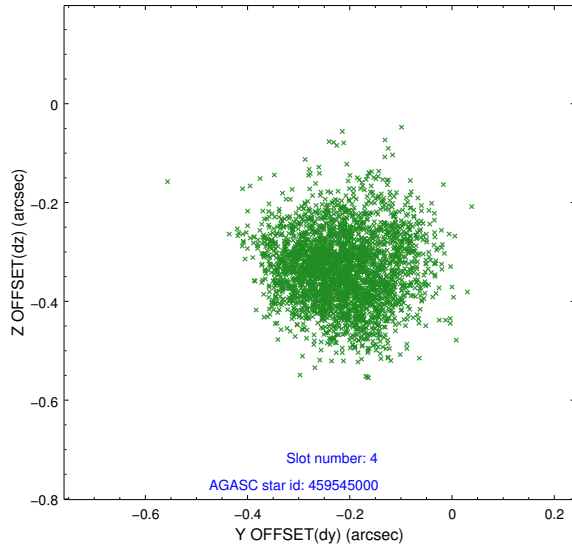
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.03	1493	-0.170	-0.108	0.018	0.027	0.000000	0.000000	-767.23	-1740.23
1	FID		ACIS-S-4	7.15	1493	0.442	0.111	0.010	0.014	0.000000	0.000000	2146.21	167.47
2	FID		ACIS-S-5	7.15	1493	-0.305	0.005	0.019	0.027	0.000000	0.000000	-1818.97	162.13
3	GUIDE	used	459544184	9.37	2981	-0.445	-0.218	0.231	0.359	252.302951	51.179093	143.34	601.42
4	GUIDE	used	459545000	7.73	2986	-0.215	-0.335	0.115	0.179	252.730972	51.128444	1040.25	197.42
5	GUIDE	used	459547792	8.28	2982	0.219	0.395	0.125	0.212	252.036741	50.319846	-1183.71	-2256.51
6	GUIDE	used	459549776	9.67	2980	0.151	0.002	0.182	0.318	252.158805	50.689989	-593.40	-1031.33
7	GUIDE	used	459548440	10.25	2981	0.290	0.151	0.303	0.451	251.572862	50.736670	-1847.97	-543.09

2.4 Star Slots

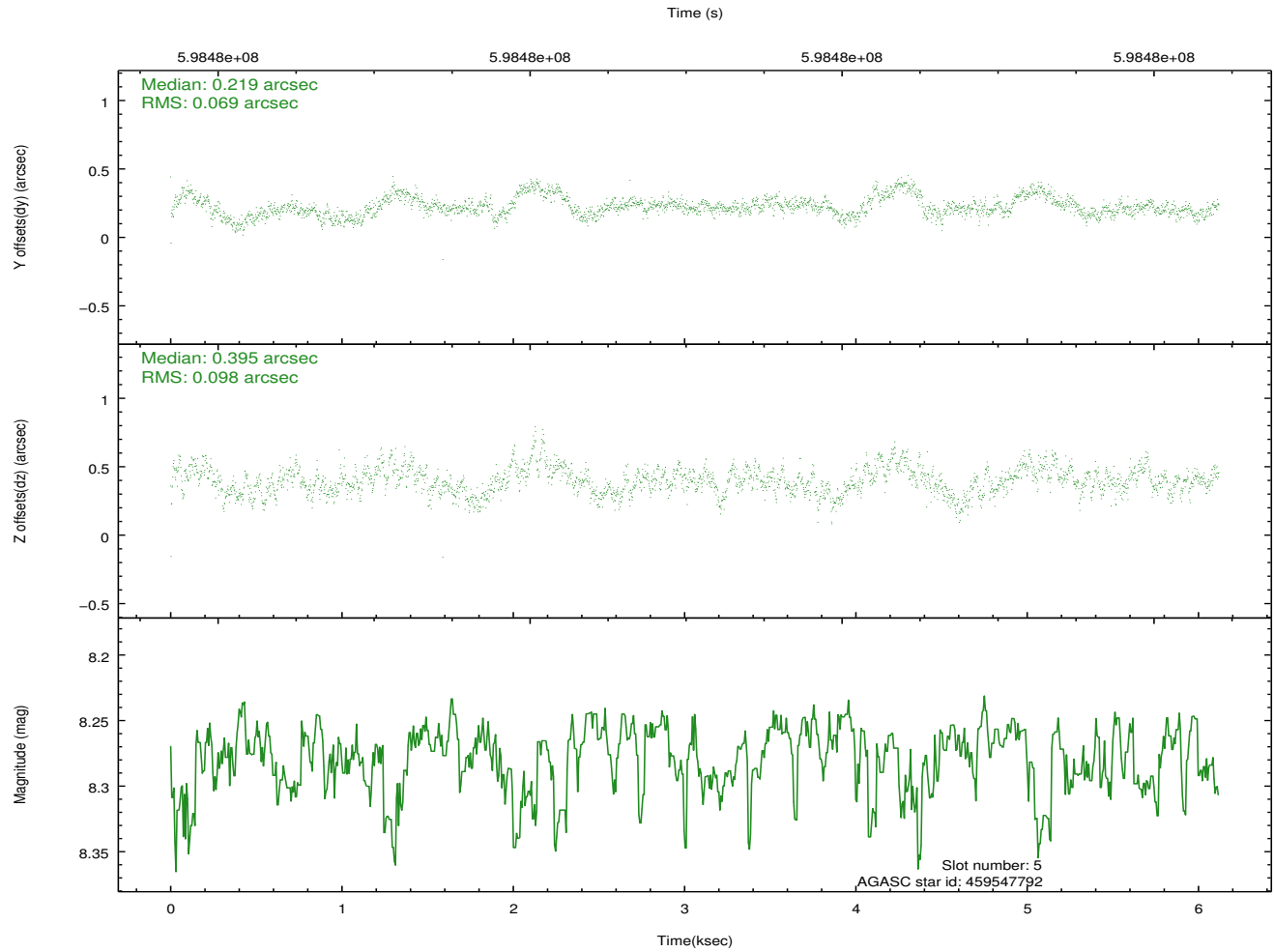
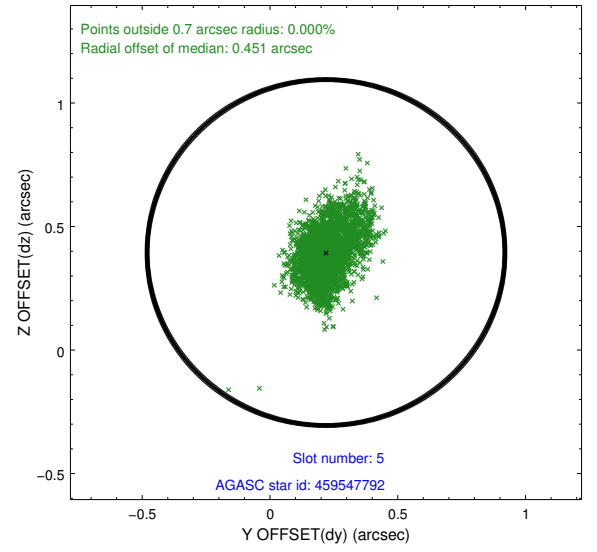
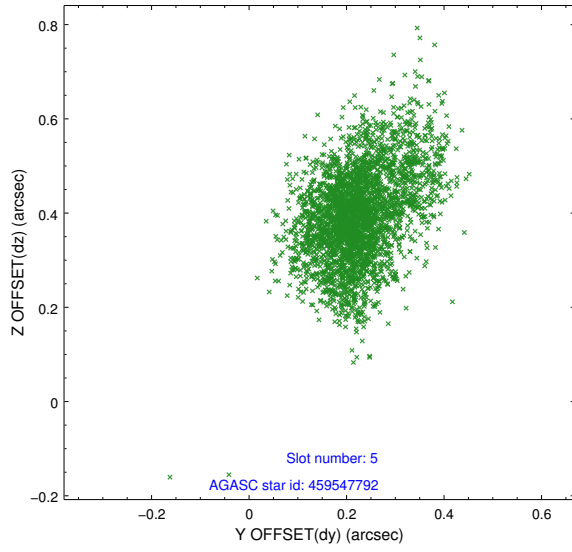
2.4.1 Slot 3



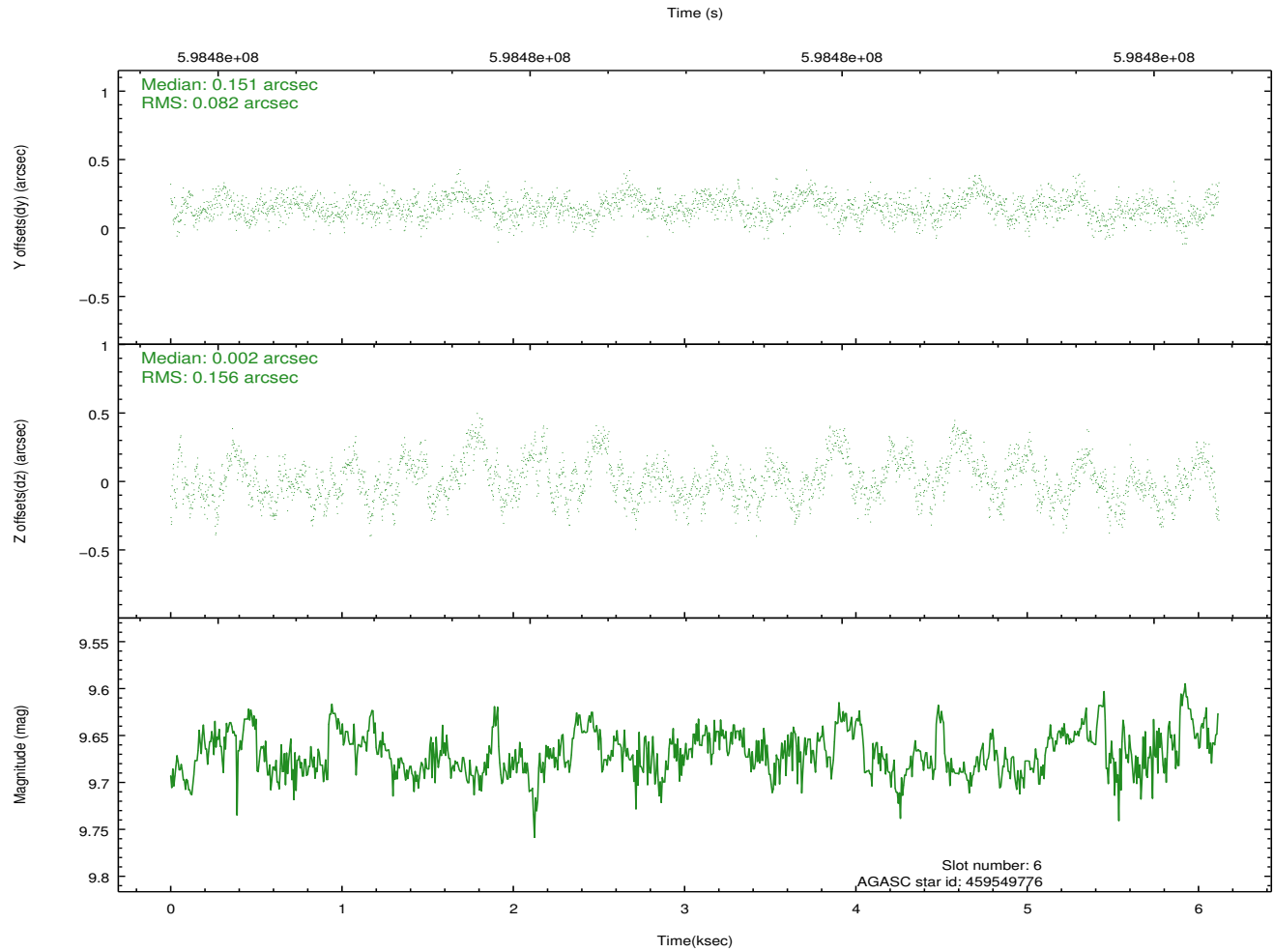
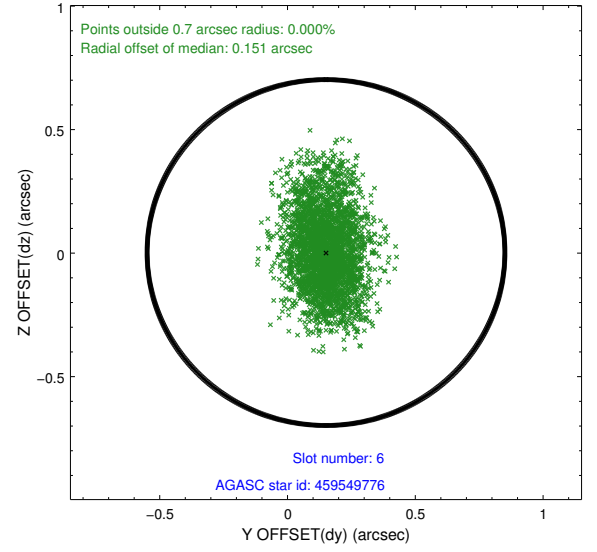
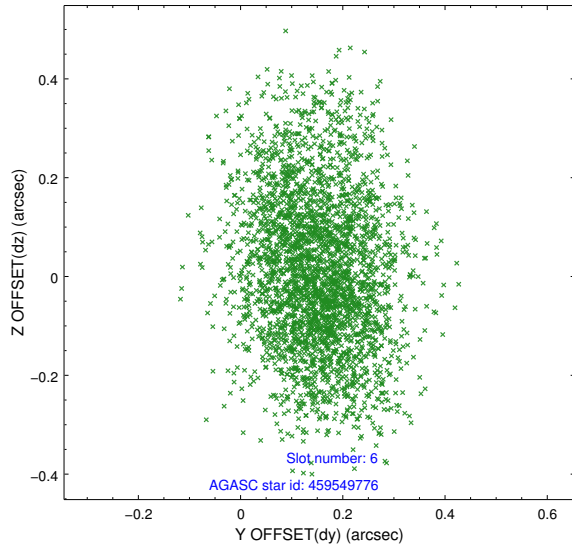
2.4.2 Slot 4



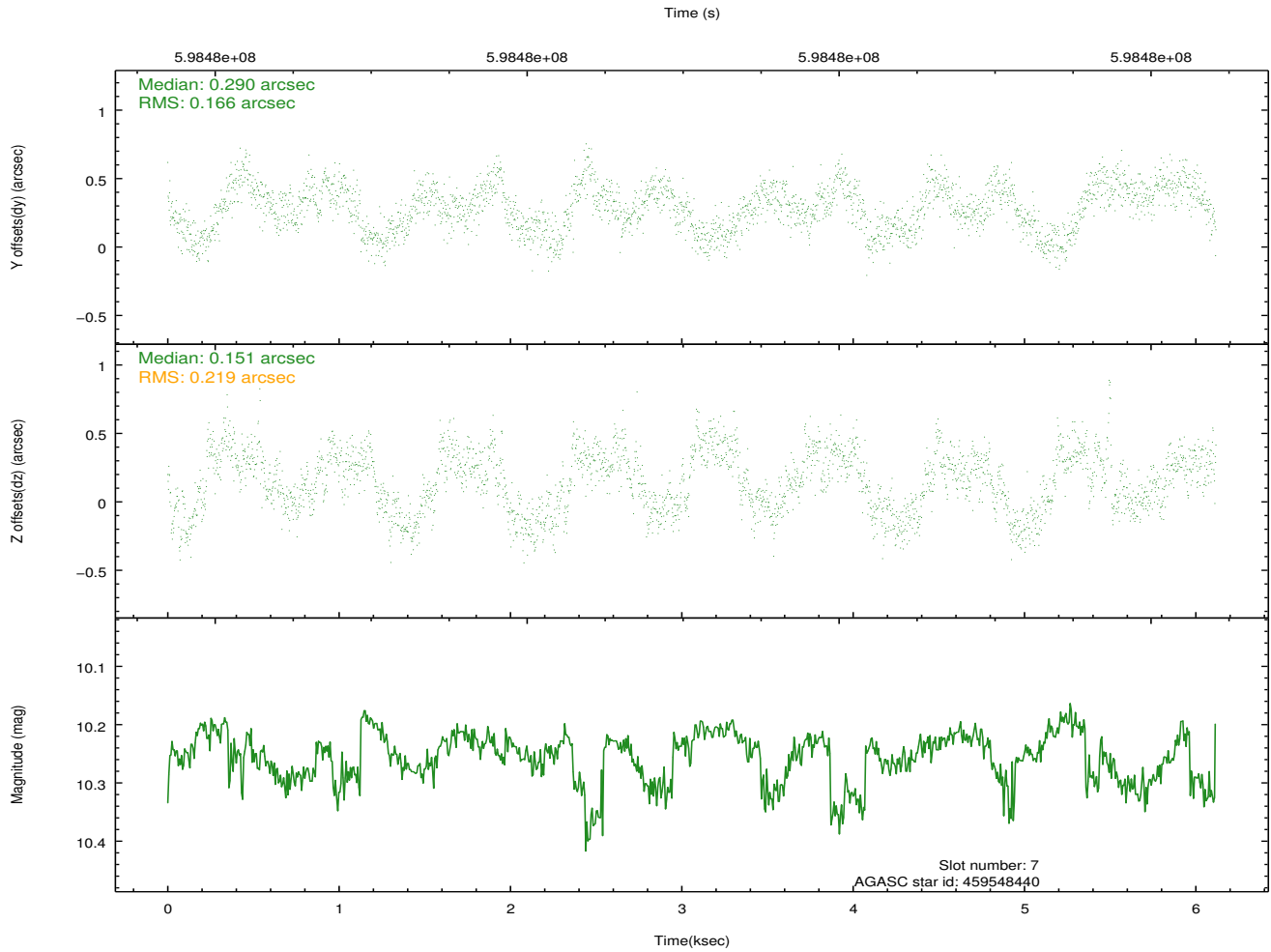
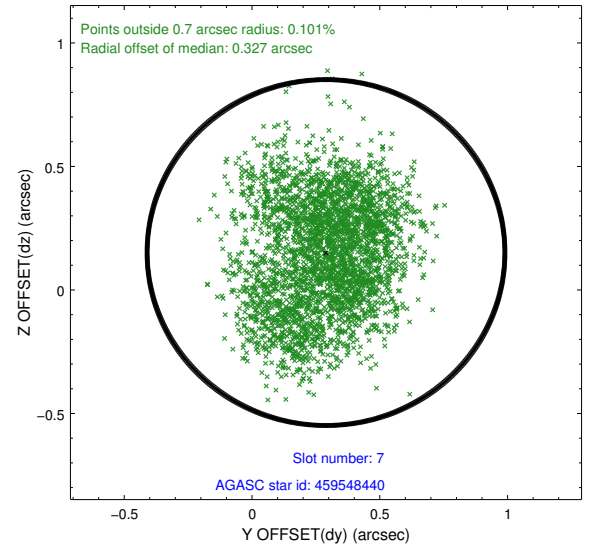
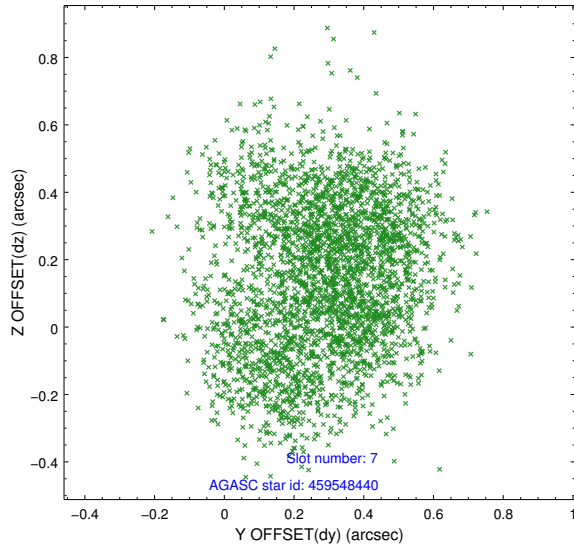
2.4.3 Slot 5



2.4.4 Slot 6

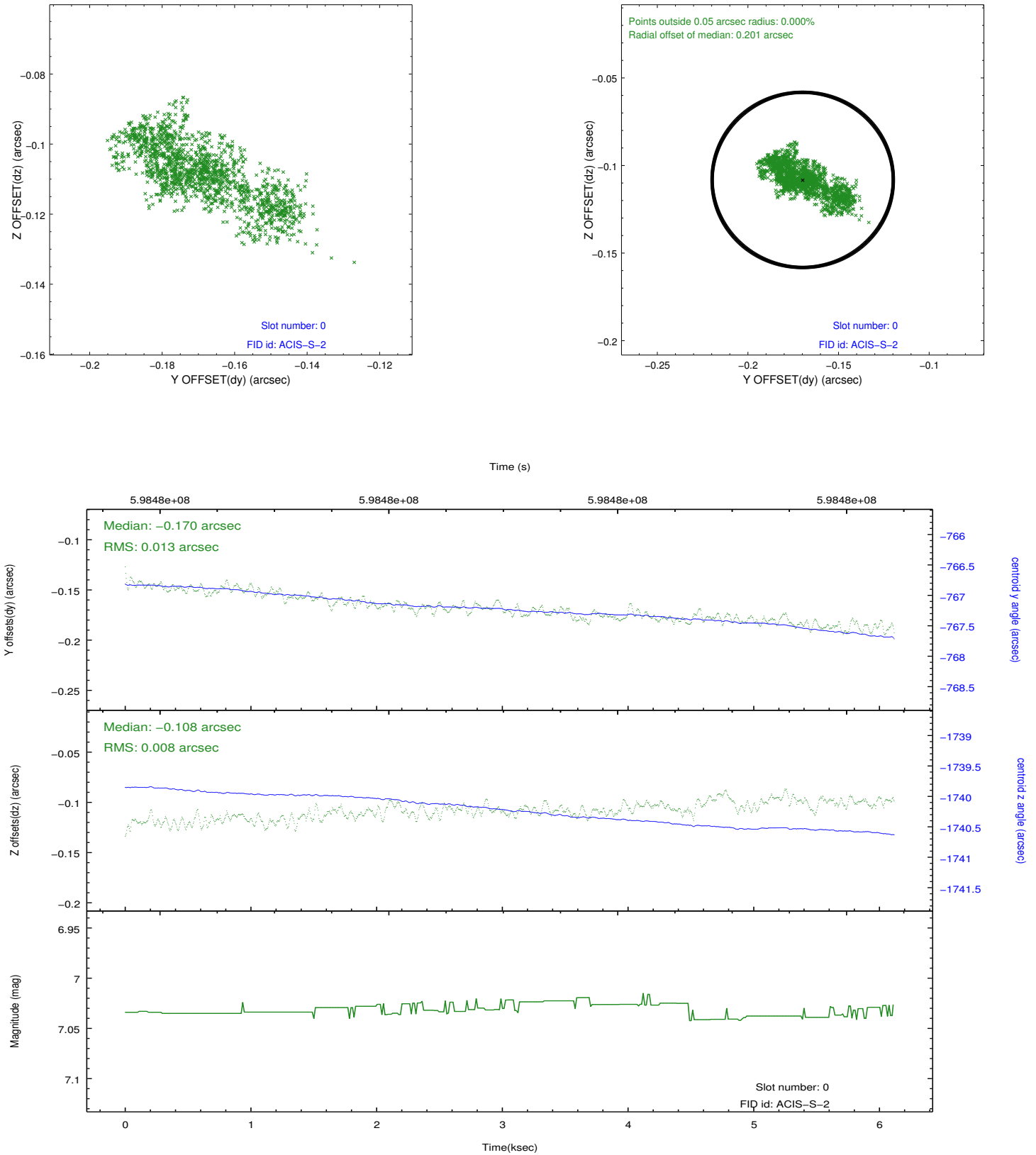


2.4.5 Slot 7

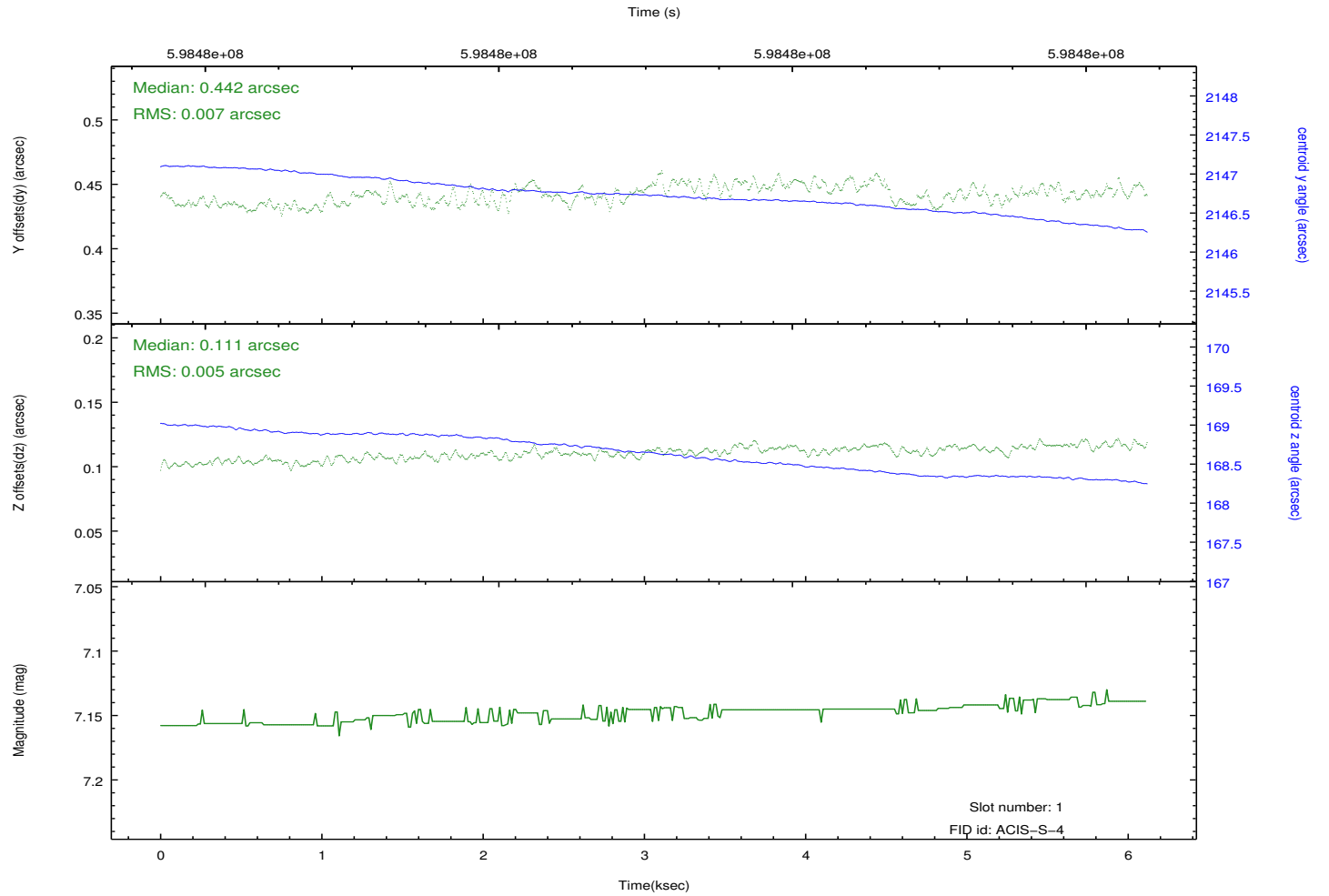
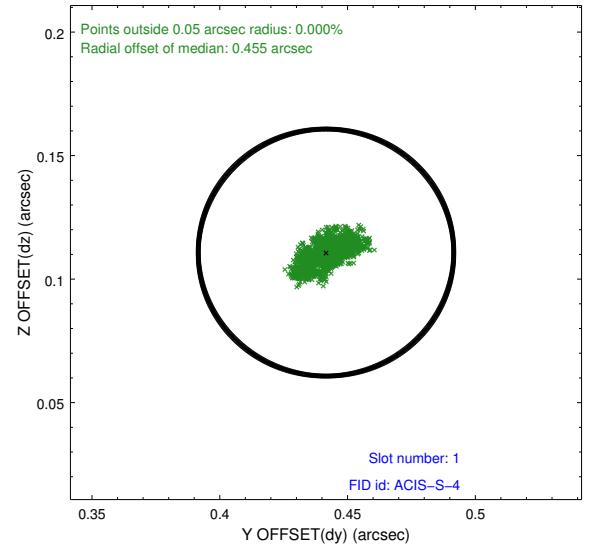
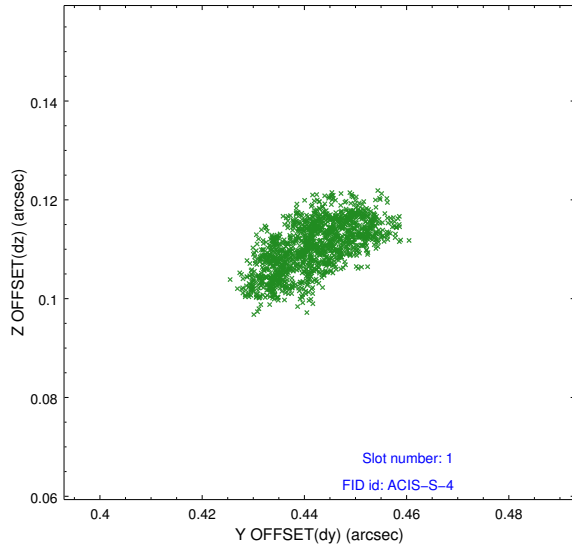


2.5 FID Slots

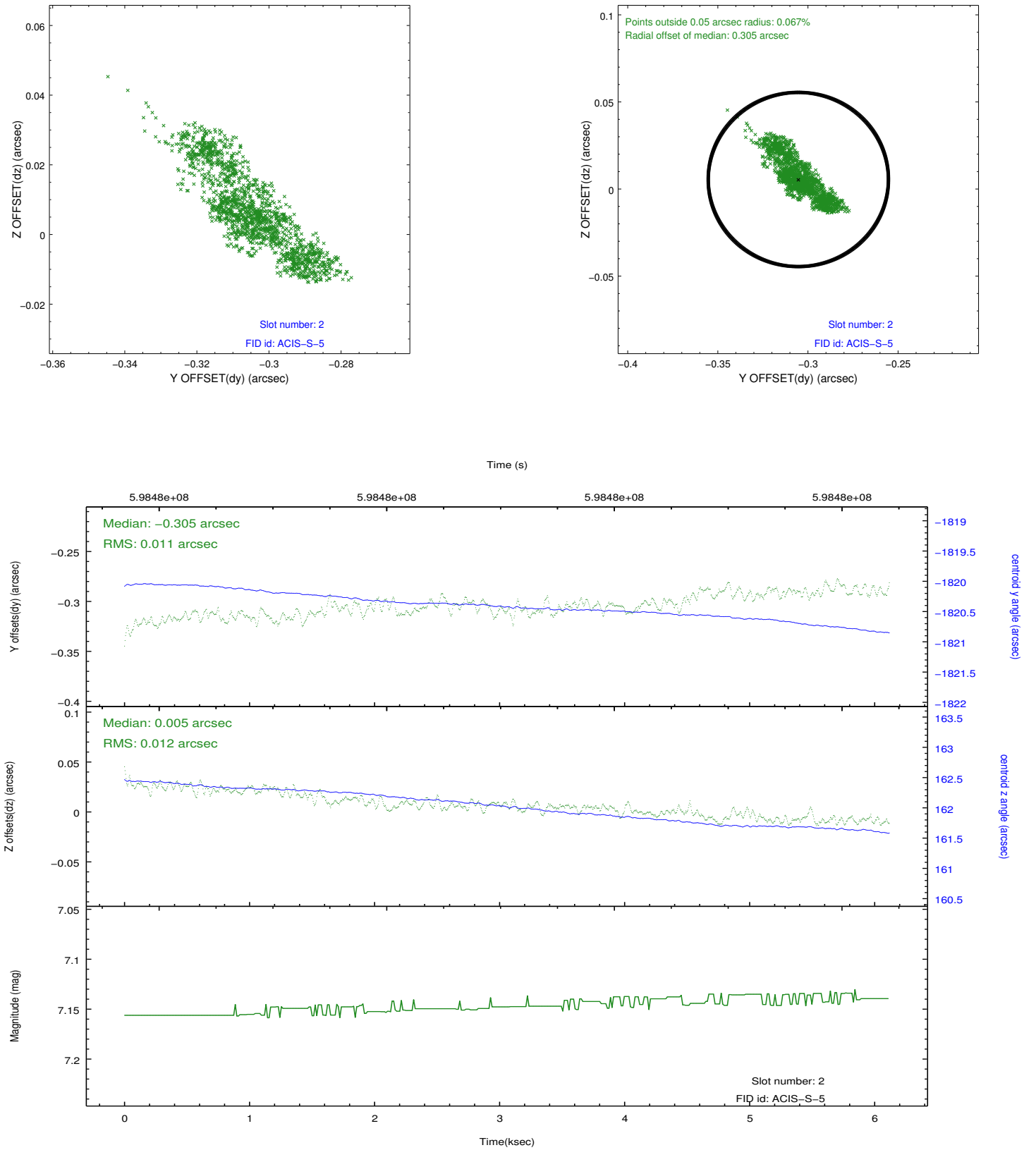
2.5.1 Slot 0



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)	2016.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.939200088501

A.2 Comments