

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9841 - L2 Version 2
Chandra X-Ray Center

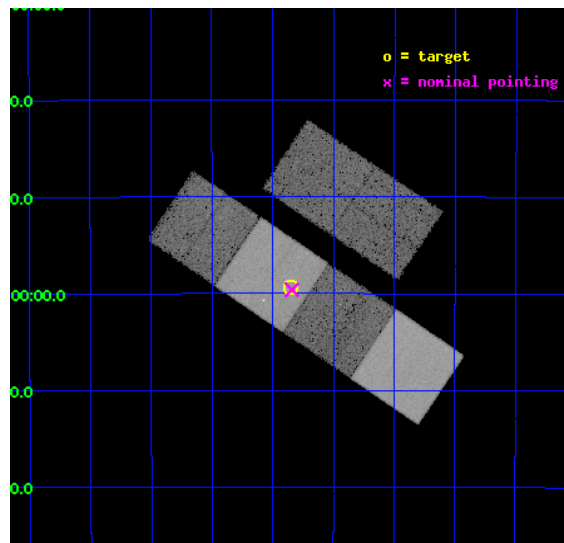
L2 Processing Date : May 20 2012

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1 Front

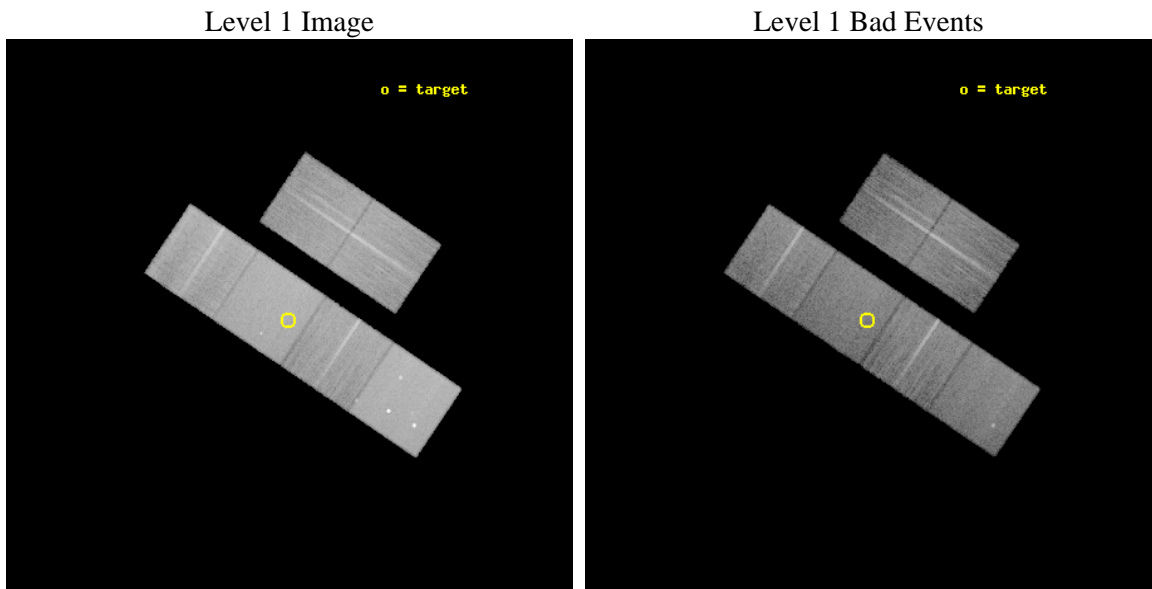
seq_num	200494	Sequence number
obs_id	9841	Observation id
title	Search for X-Ray Emission from TW Hya Association Brown Dwarfs	Pro
observer	Dr. JOHN GIZIS	Principal investigator
object	2MASSW J1139511-315921	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	174.962917	Observer's specified target RA [deg]
dec_targ	-31.989167	Observer's specified target Dec [deg]
ra_nom	174.96054098914	Nominal RA [deg]
dec_nom	-31.993622897847	Nominal Dec [deg]
roll_nom	213.91358354572	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15951.18374306	Sum of GTIs [s]
livetime	15749.200249855	Livetime [s]
ontime2	15951.224783063	Sum of GTIs [s]
ontime3	15951.06062305	Sum of GTIs [s]
ontime5	15951.142703056	Sum of GTIs [s]
ontime6	15951.101663053	Sum of GTIs [s]
ontime7	15951.18374306	Sum of GTIs [s]
ontime8	15951.019583046	Sum of GTIs [s]
l2events	262481	Number of level 2 events



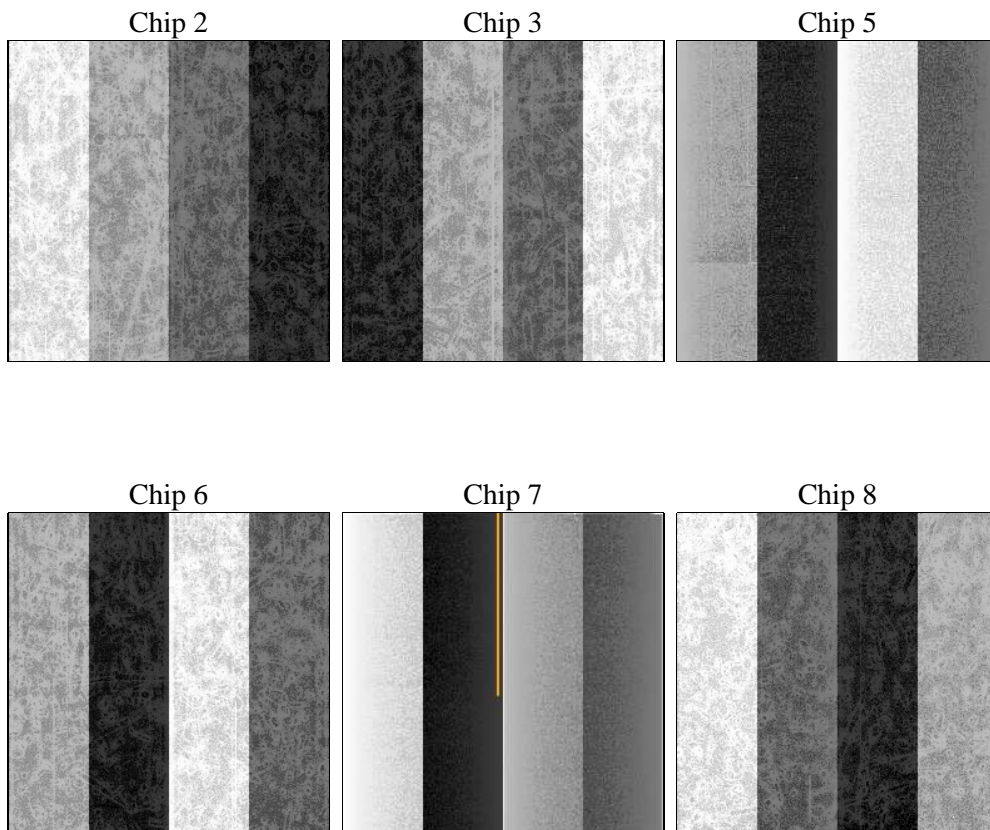
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15951.18374306	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	15951.224783063	Sum of GTIs [s]
date	2012-05-20T08:59:21	Date and time of file creation	ontime3	15951.06062305	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15951.142703056	Sum of GTIs [s]
			ontime6	15951.101663053	Sum of GTIs [s]
			ontime7	15951.18374306	Sum of GTIs [s]
			ontime8	15951.019583046	Sum of GTIs [s]
			l1events	1108524	Number of level 1 events

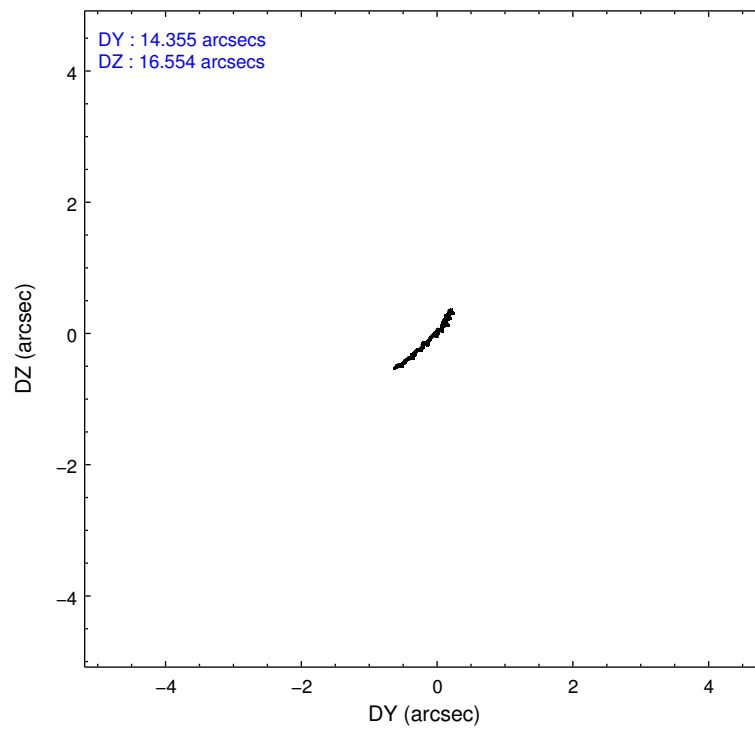
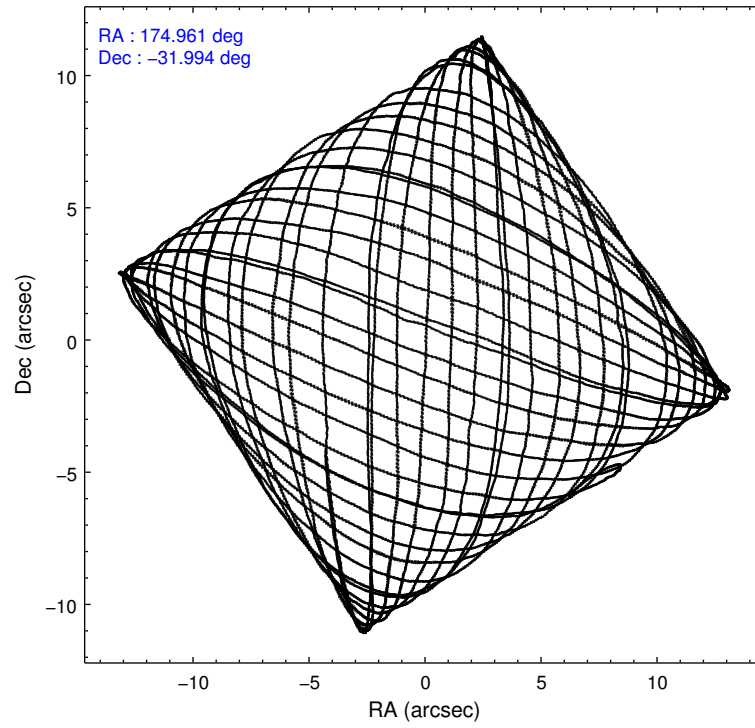
2.1.4 Events

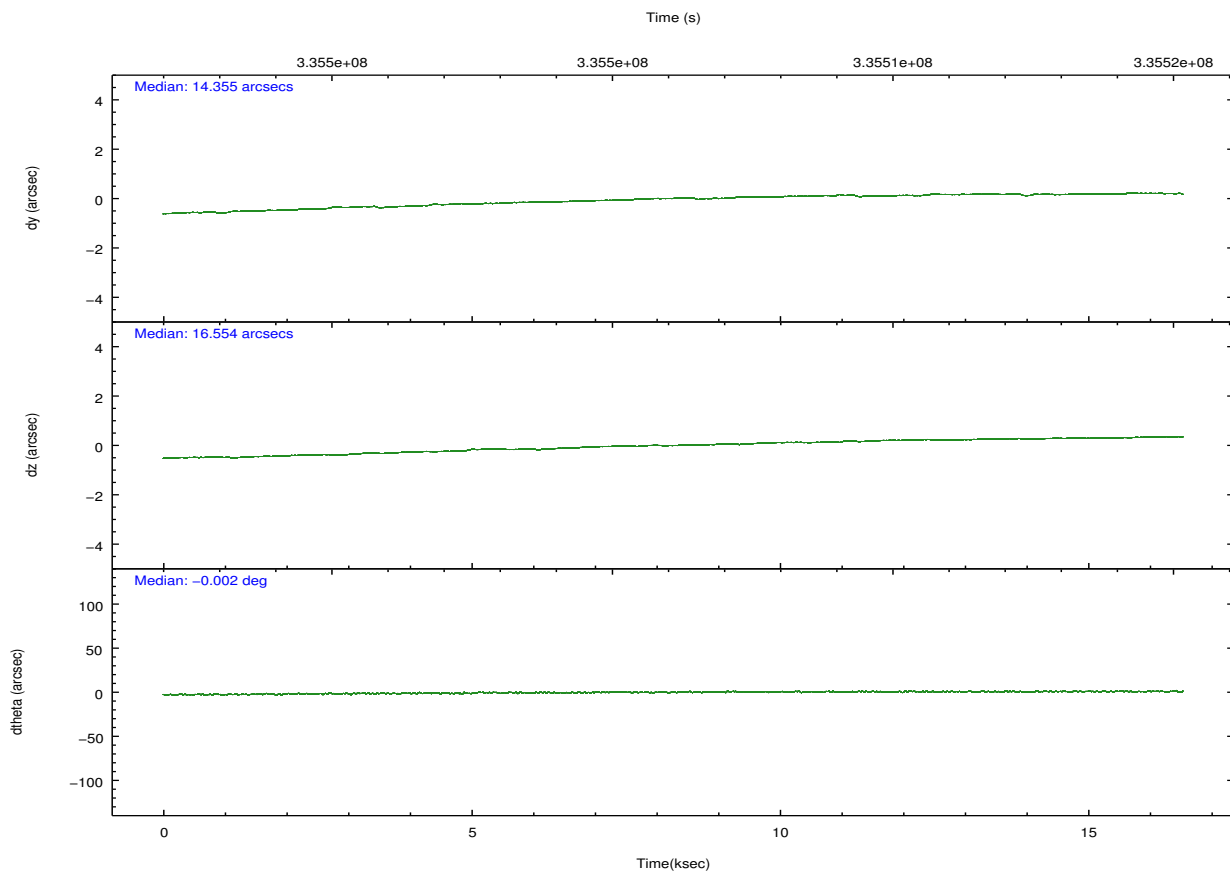
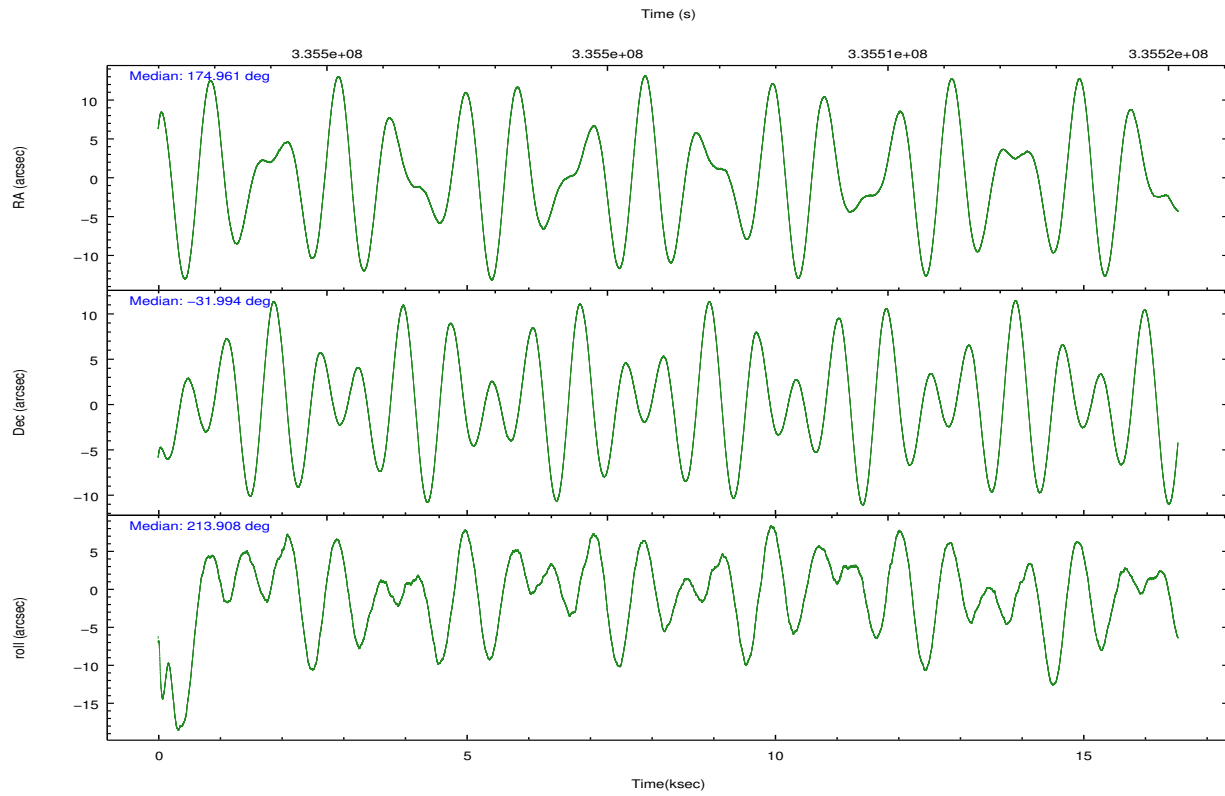
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	155264	144637	244376	155146	216291	192810	grade 0 events	8352	7803	14363	7472	8024	14305
rejected events	136396	126532	128546	136191	124270	147618		5%	5%	5%	4%	3%	7%
rejected %	87%	87%	52%	87%	57%	76%	grade 1 events	122	87	825	79	230	150
								0%	0%	0%	0%	0%	0%
							grade 2 events	4002	3646	34656	4147	18995	10280
								2%	2%	14%	2%	8%	5%
							grade 3 events	1644	1739	3924	1817	7818	4753
								1%	1%	1%	1%	3%	2%
							grade 4 events	1761	1707	3754	1691	7625	4301
								1%	1%	1%	1%	3%	2%
							grade 5 events	6216	7189	16679	7532	20221	9715
								4%	4%	6%	4%	9%	5%
							grade 6 events	3111	3214	59166	3831	49573	11561
								2%	2%	24%	2%	22%	5%
							grade 7 events	130056	119252	111009	128577	103805	137745
								83%	82%	45%	82%	47%	71%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	174.974332	174.9605409891449	CCD I2 on	O1	Y
[deg] Pointing Dec	-31.968867	-31.99362289784745	CCD I3 on	O2	Y
[deg] Pointing Roll	213.764253	213.9135835457203	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)	335498350.184000	335497214.78557	CCD S5 on	N	N
Observation start date	2008-08-19T01:58:05	2008-08-19T01:40:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	335514350.184000	335514891.93643	On-chip summing requested	N	N
Observation end date	2008-08-19T06:24:45	2008-08-19T06:34:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



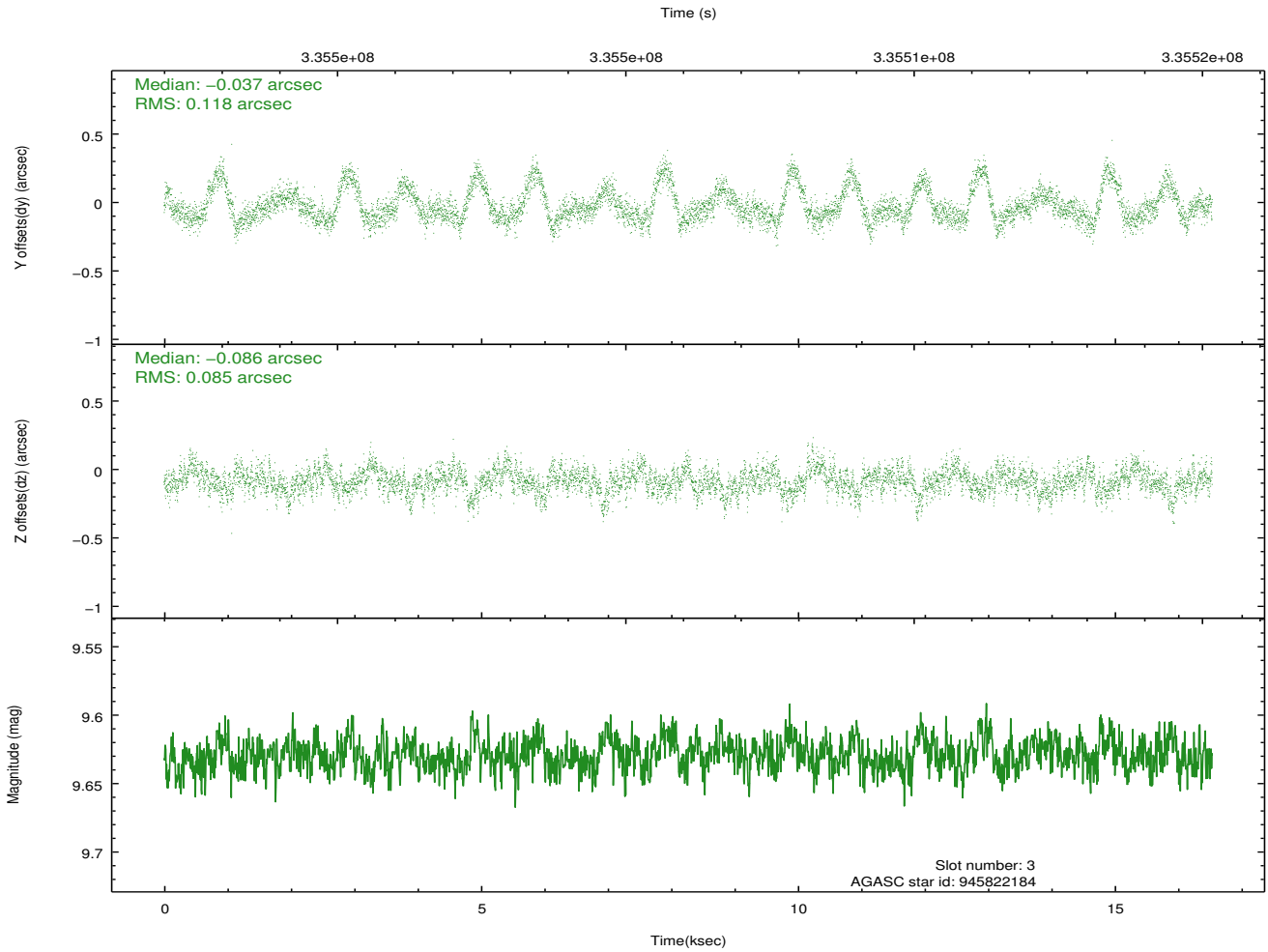
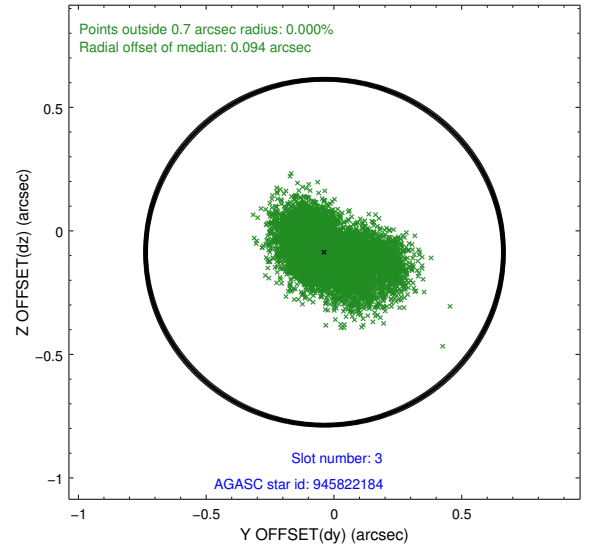
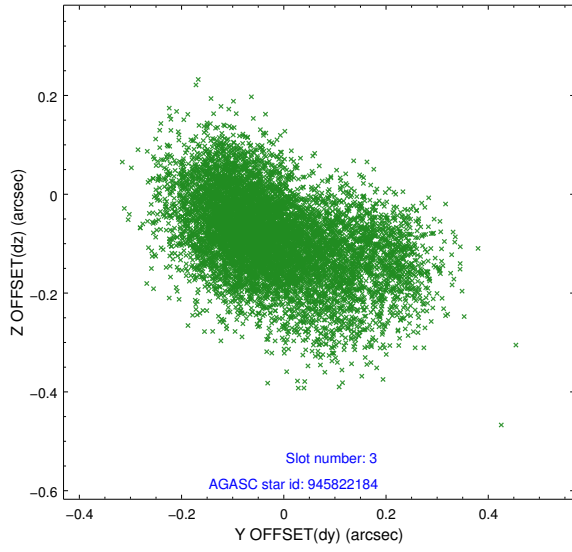


Slot Statistics

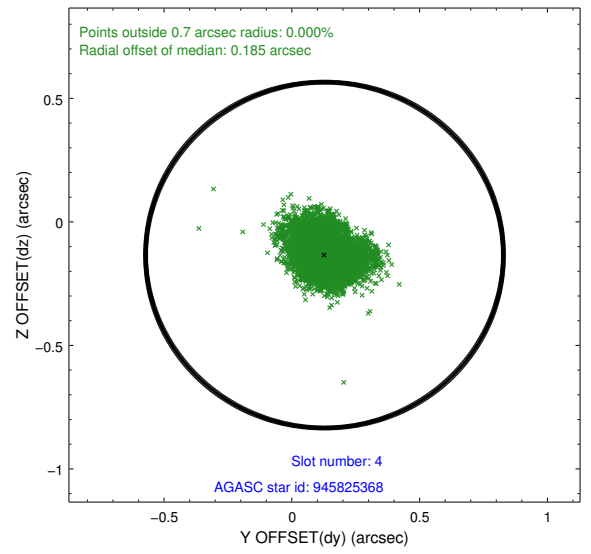
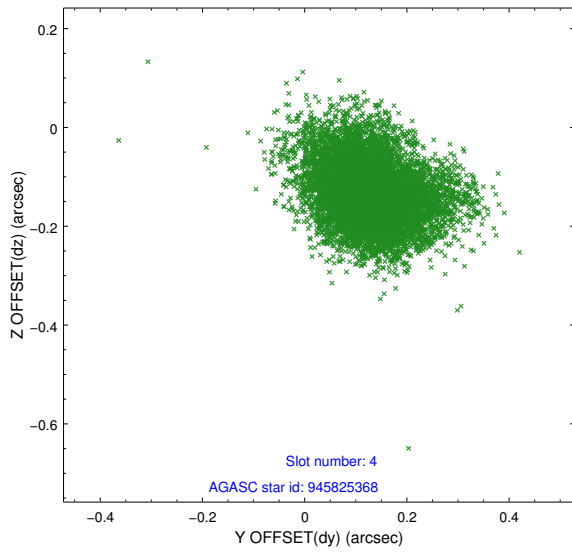
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	4034	-0.105	-0.074	0.008	0.014	0.000000	0.000000	-767.37	-1737.94
1	FID	ACIS-S-4	6.97	4033	0.125	0.046	0.008	0.013	0.000000	0.000000	2146.06	170.31
2	FID	ACIS-S-6	7.10	4034	-0.048	0.035	0.007	0.012	0.000000	0.000000	395.06	808.04
3	GUIDE	945822184	9.63	8050	-0.037	-0.086	0.150	0.269	174.928936	-31.558746	-704.32	-1304.87
4	GUIDE	945825368	9.07	8062	0.128	-0.134	0.097	0.164	174.226141	-31.754352	1479.82	-1908.41
5	GUIDE	945946912	10.81	7974	-0.061	0.003	0.344	0.544	175.509416	-31.694735	-1908.26	93.49
6	GUIDE	946344016	8.37	8065	-0.108	0.069	0.116	0.182	174.139981	-32.013850	2212.89	-1272.24
7	GUIDE	946340064	9.64	7985	0.052	0.164	0.158	0.273	175.294222	-32.143633	-459.48	1066.03

2.4 Star Slots

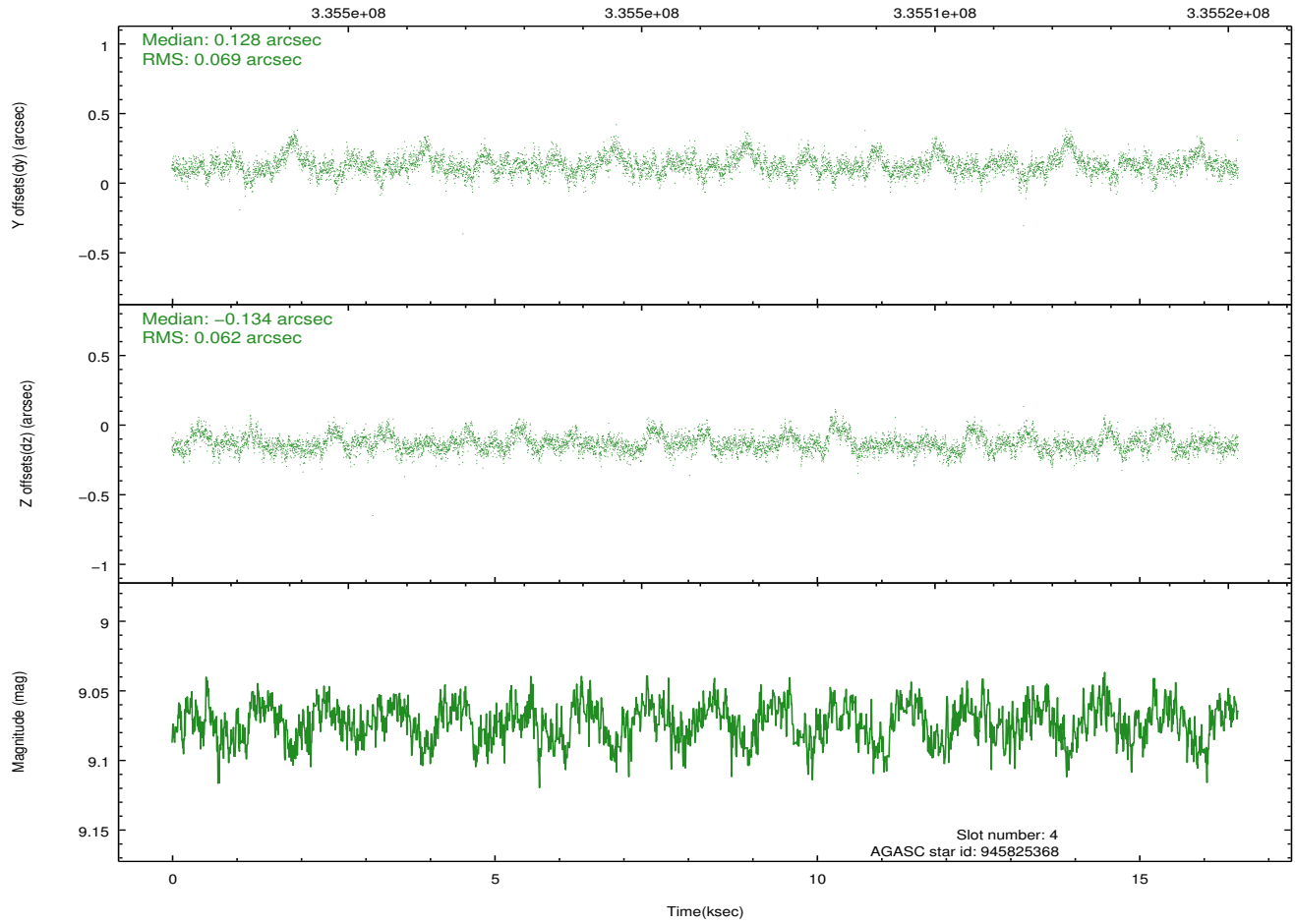
2.4.1 Slot 3



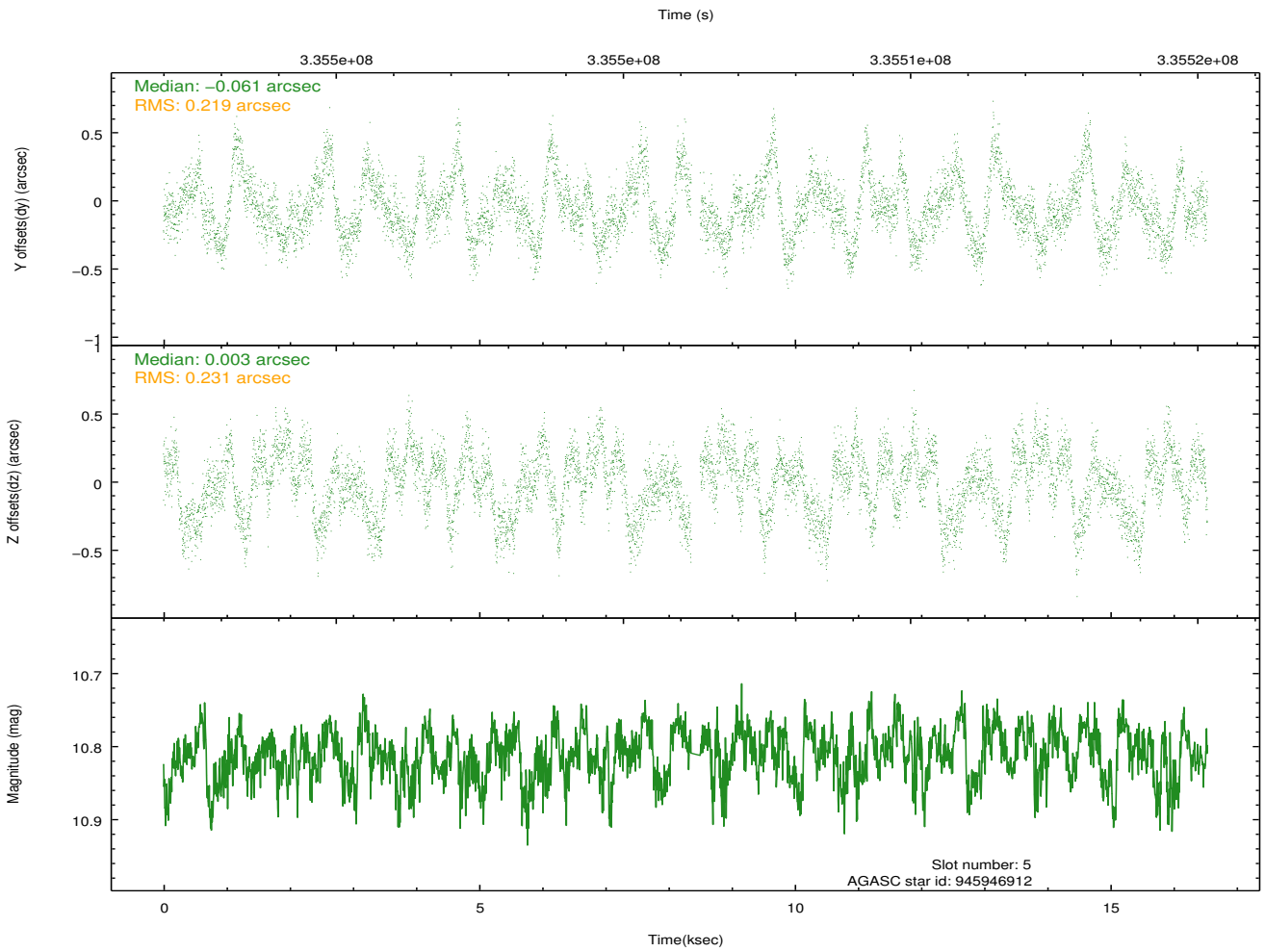
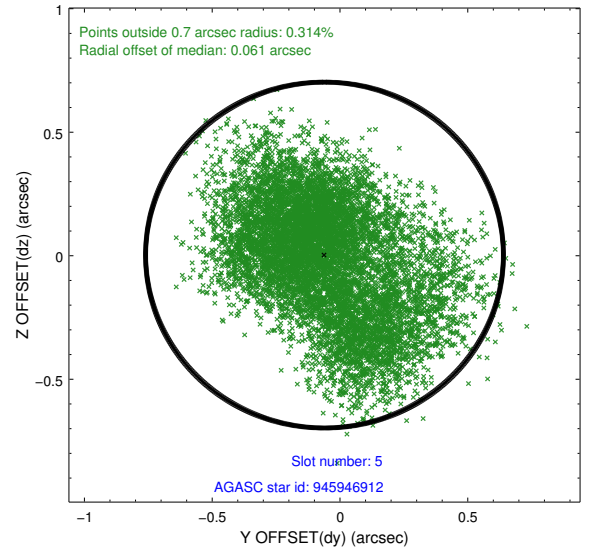
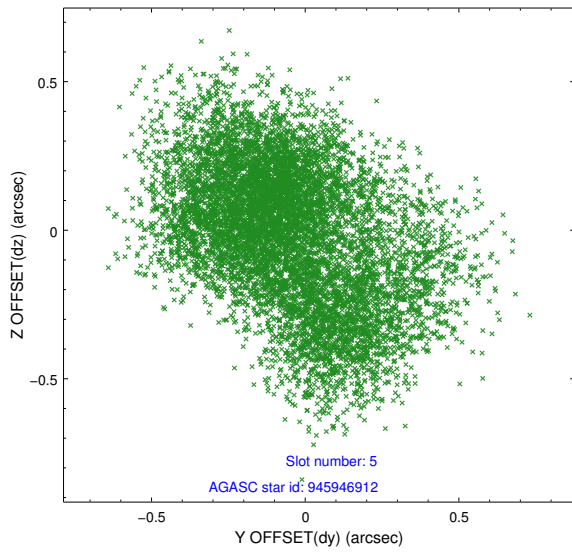
2.4.2 Slot 4



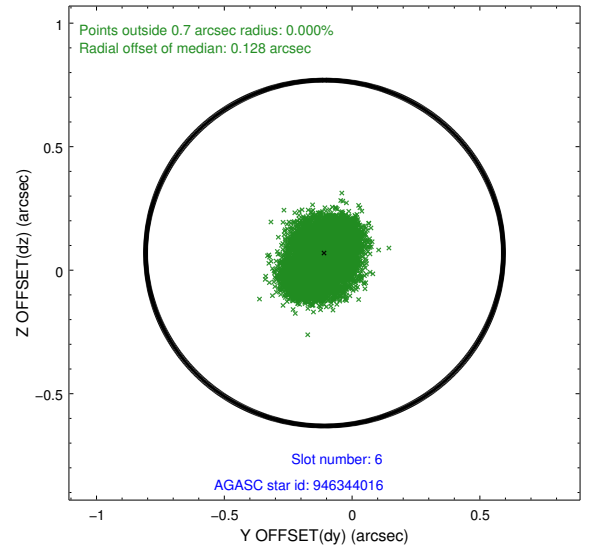
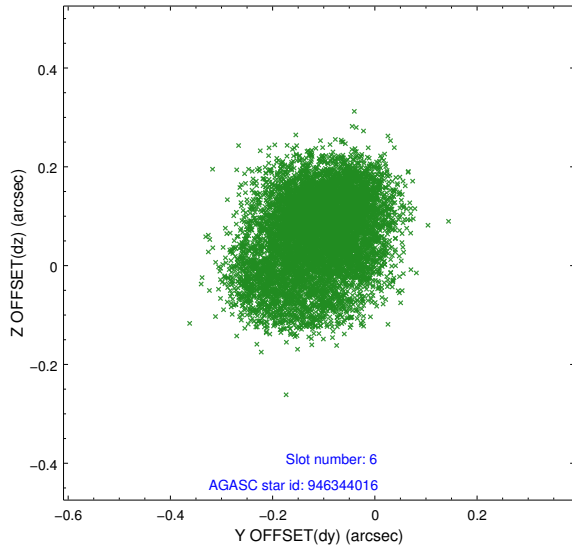
Time (s)



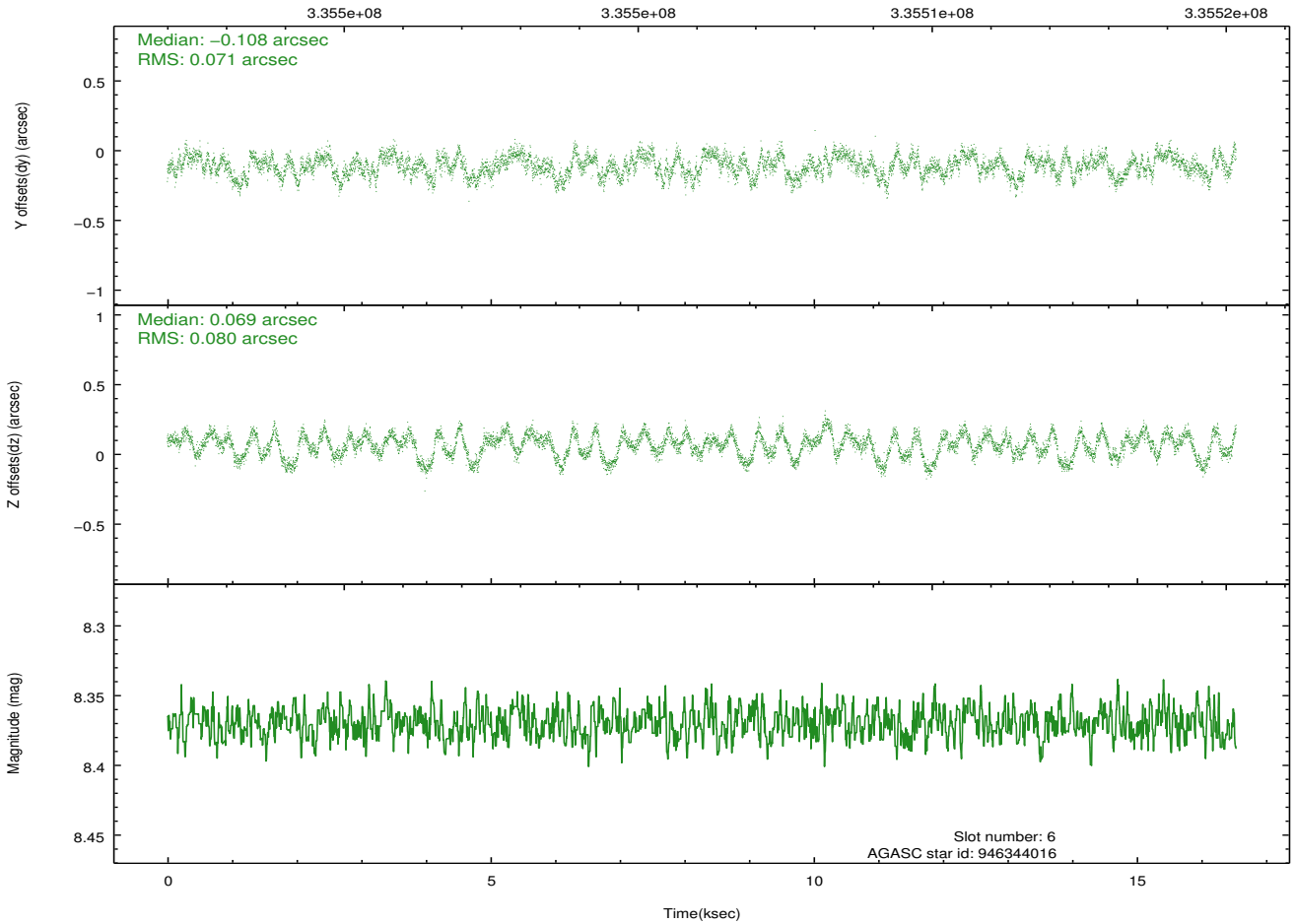
2.4.3 Slot 5



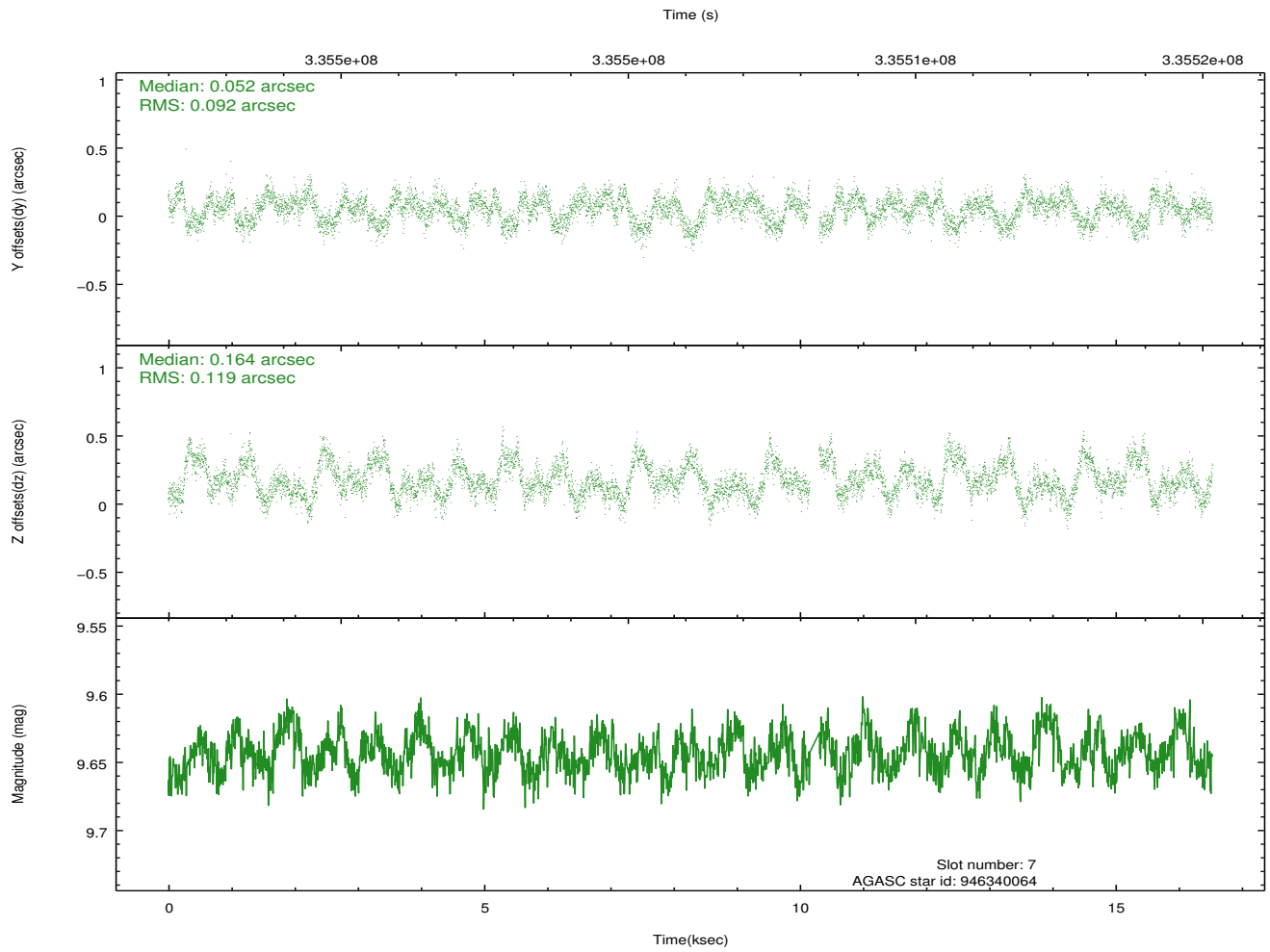
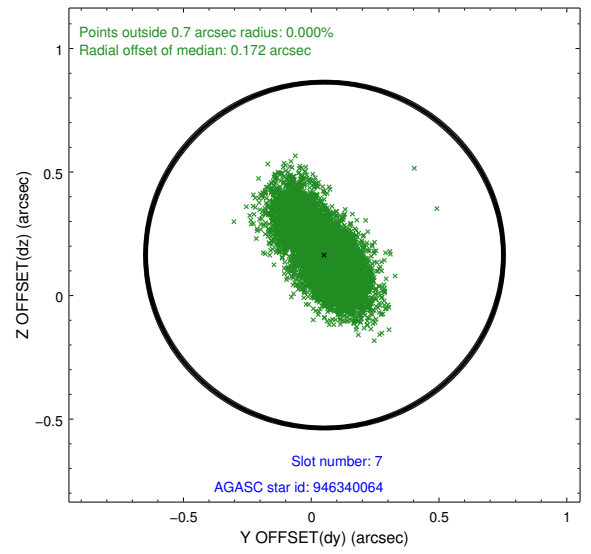
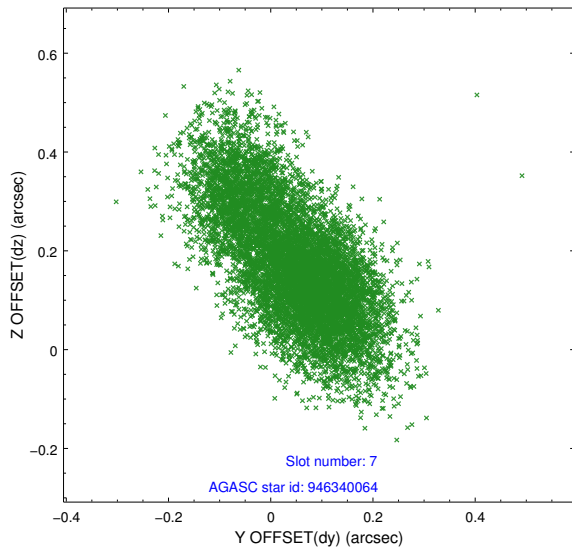
2.4.4 Slot 6



Time (s)

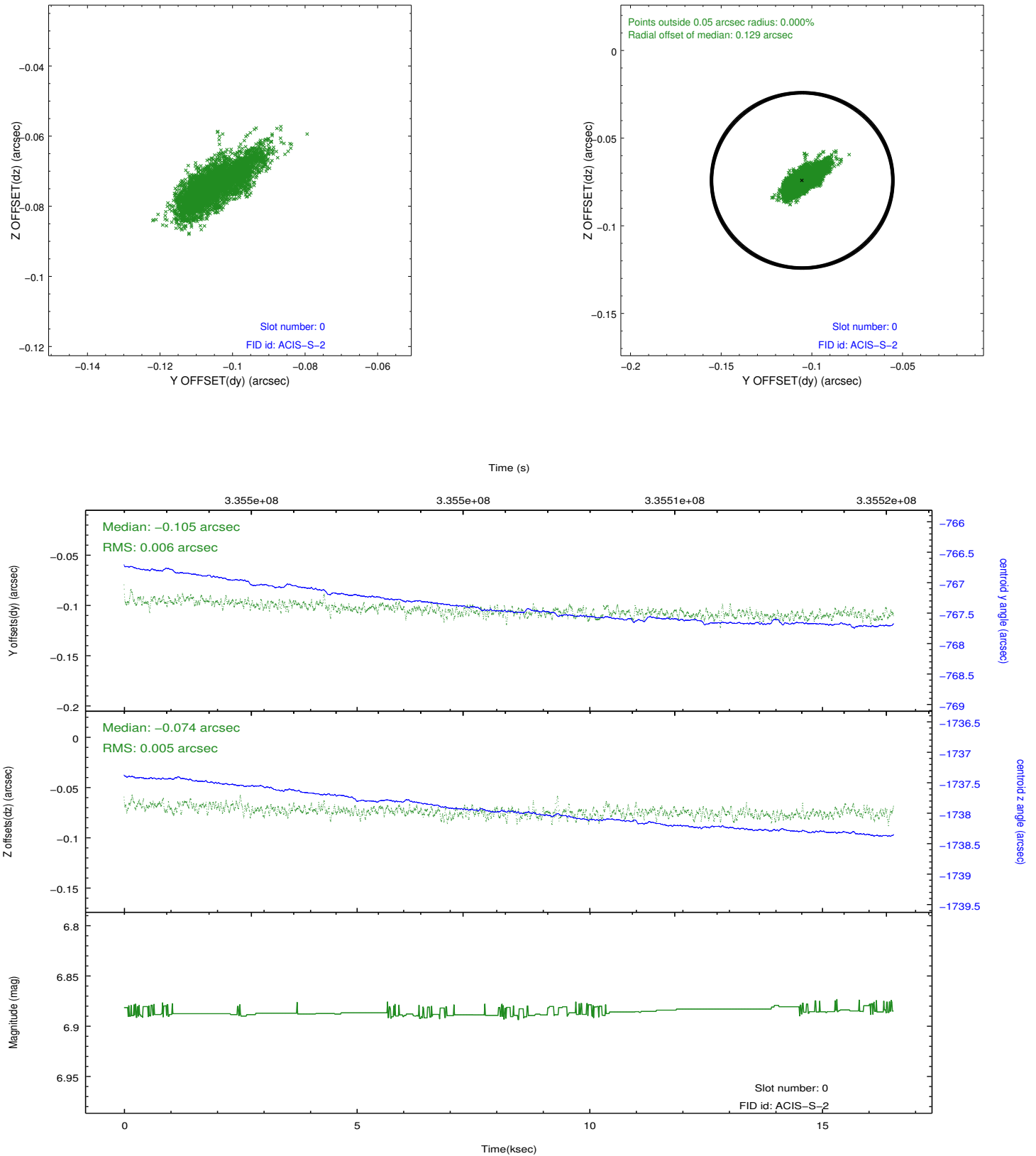


2.4.5 Slot 7

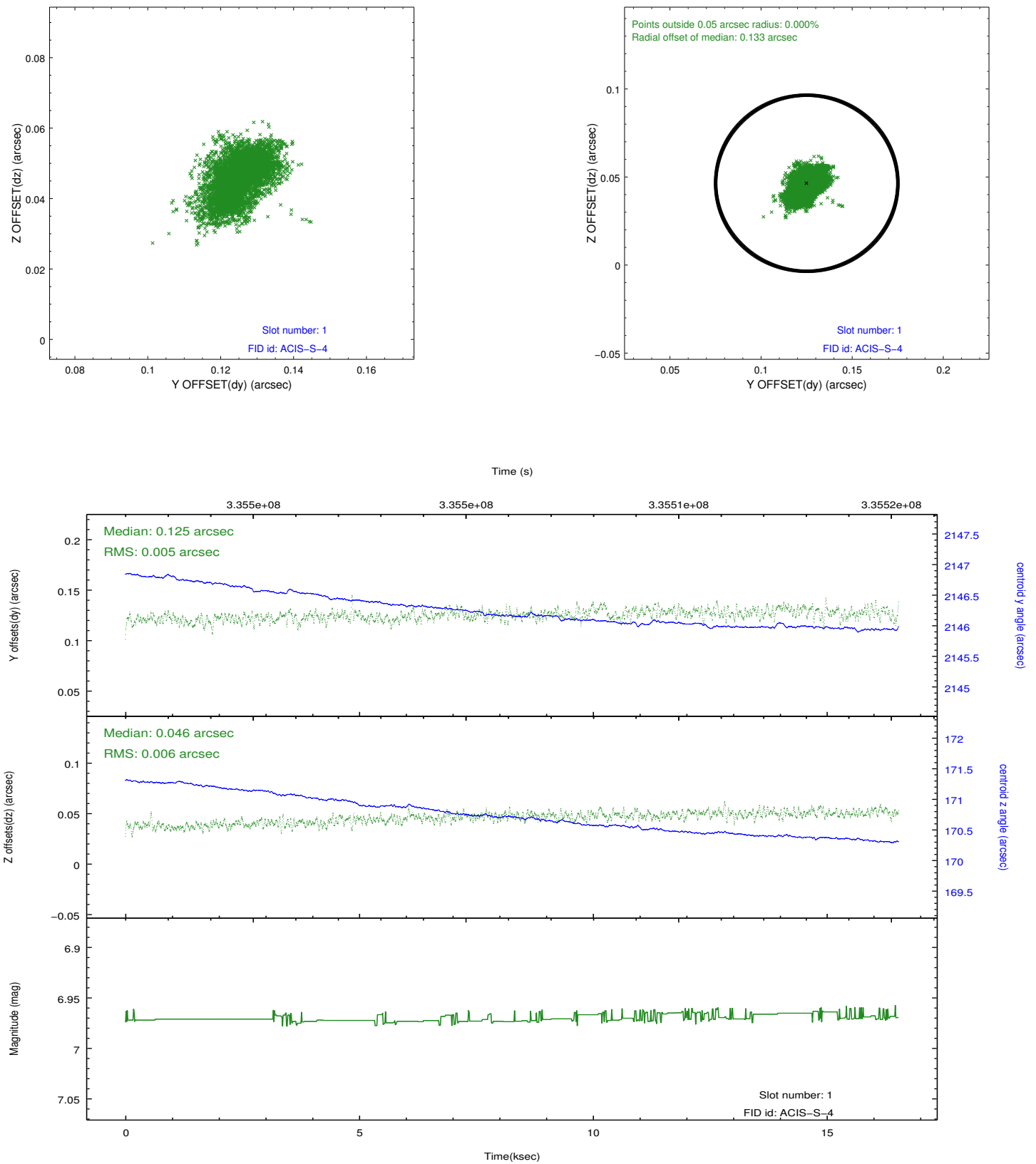


2.5 FID Slots

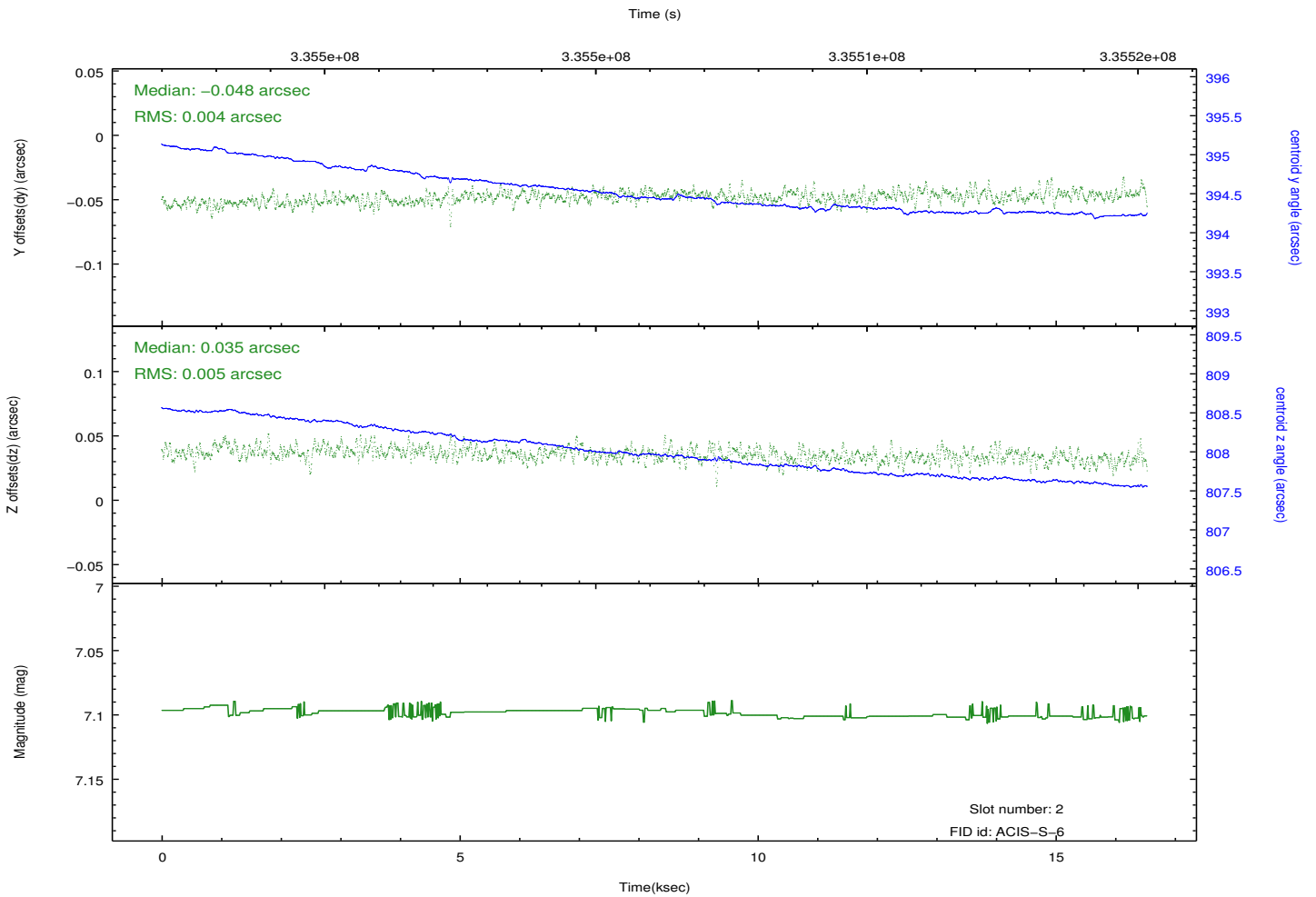
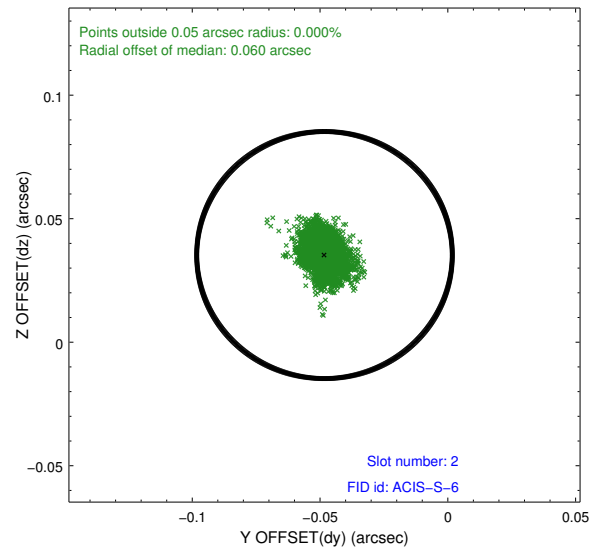
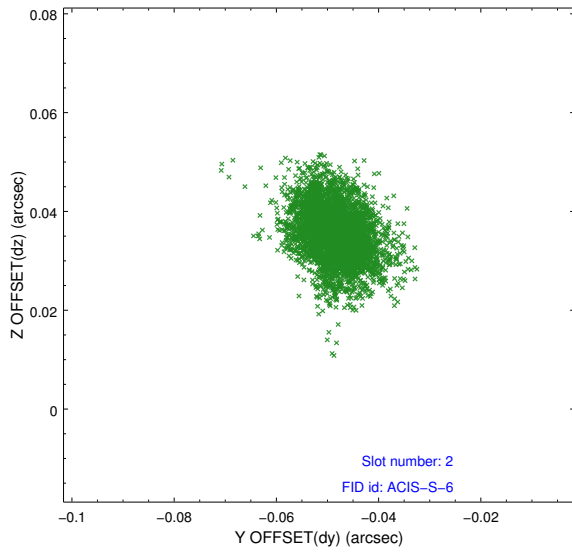
2.5.1 Slot 0



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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.9519999

A.2 Comments