

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7890 - L2 Version 2
Chandra X-Ray Center

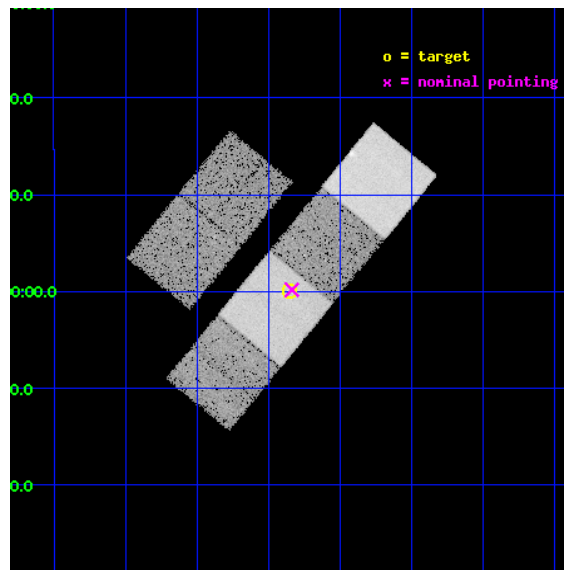
L2 Processing Date : Apr 26 2012

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1 Front

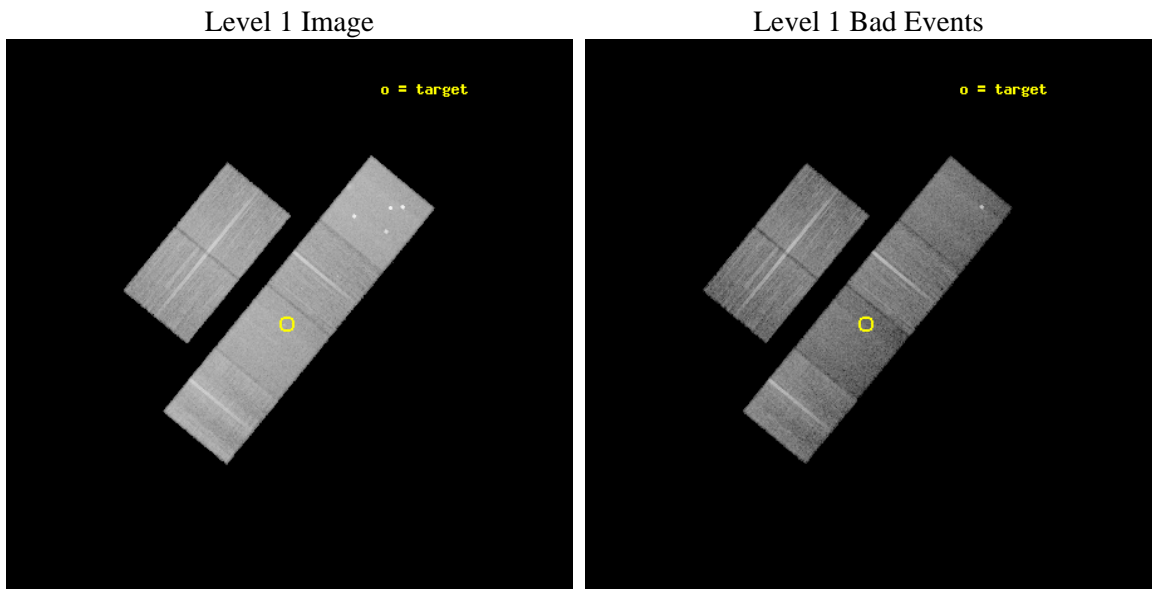
seq_num	701553	Sequence number
obs_id	7890	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	IRAS F19297-0406	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	293.088333	Observer's specified target RA [deg]
dec_targ	-3.998972	Observer's specified target Dec [deg]
ra_nom	293.08370748451	Nominal RA [deg]
dec_nom	-3.9973775309762	Nominal Dec [deg]
roll_nom	129.4245405004	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16633.599938095	Sum of GTIs [s]
livetime	16422.975280127	Livetime [s]
ontime2	16633.599938095	Sum of GTIs [s]
ontime3	16630.358947754	Sum of GTIs [s]
ontime5	16633.599938095	Sum of GTIs [s]
ontime6	16633.599938095	Sum of GTIs [s]
ontime7	16633.599938095	Sum of GTIs [s]
ontime8	16633.599938095	Sum of GTIs [s]
l2events	197674	Number of level 2 events



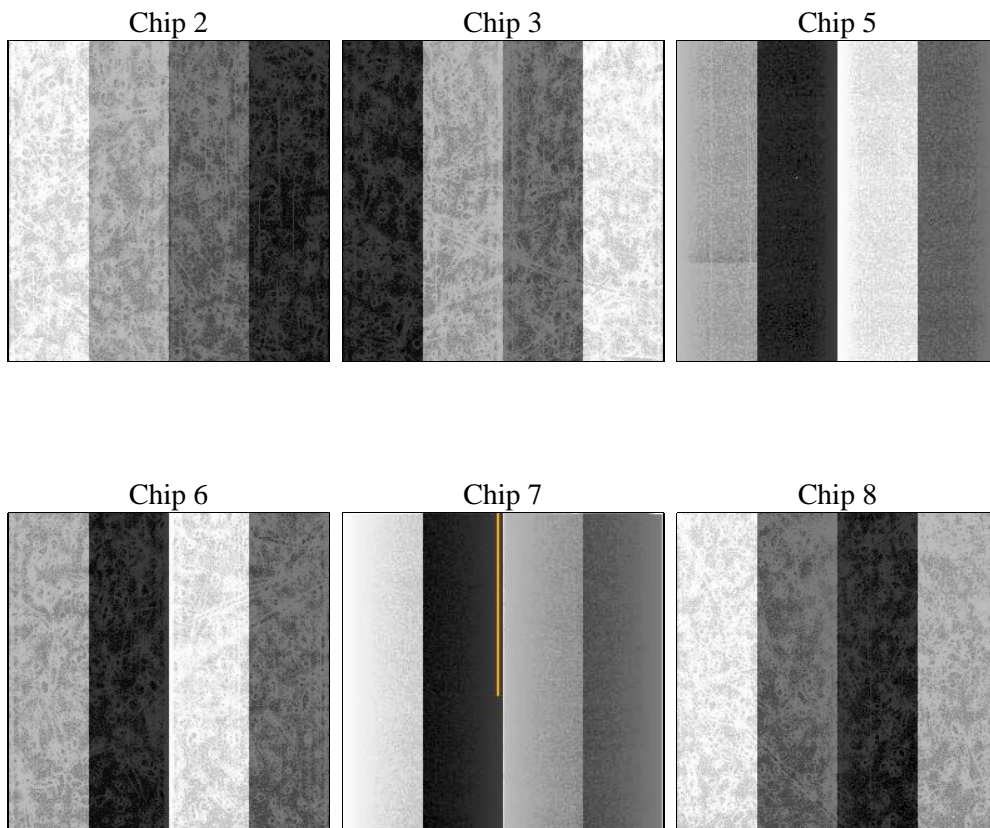
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	16633.599938095	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	16633.599938095	Sum of GTIs [s]
date	2012-04-26T13:35:34	Date and time of file creation	ontime3	16630.358947754	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	16633.599938095	Sum of GTIs [s]
			ontime6	16633.599938095	Sum of GTIs [s]
			ontime7	16633.599938095	Sum of GTIs [s]
			ontime8	16633.599938095	Sum of GTIs [s]
			l1events	925578	Number of level 1 events

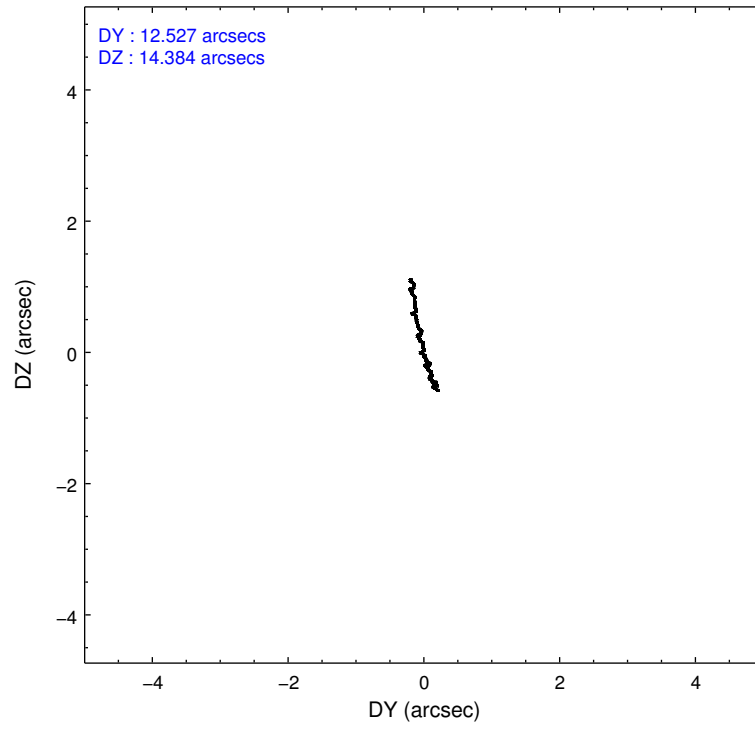
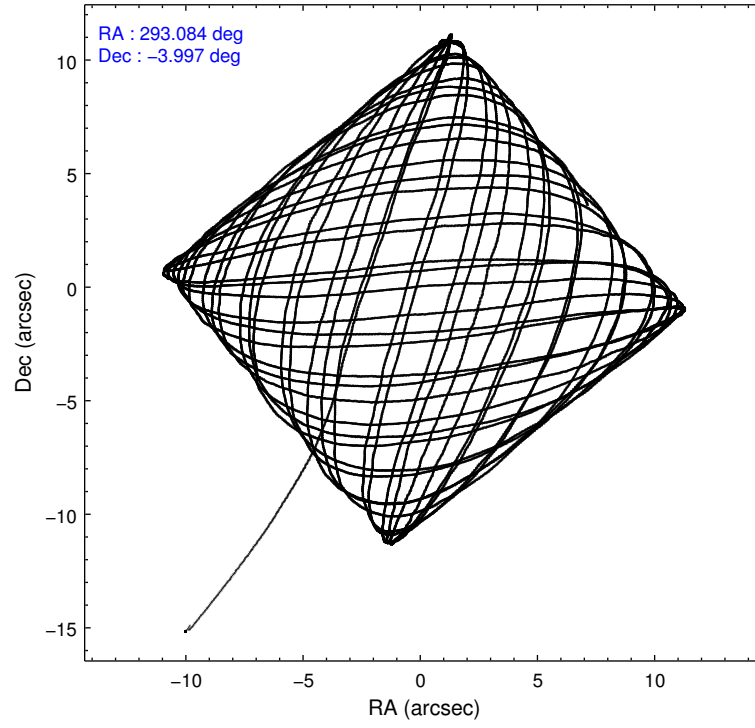
2.1.4 Events

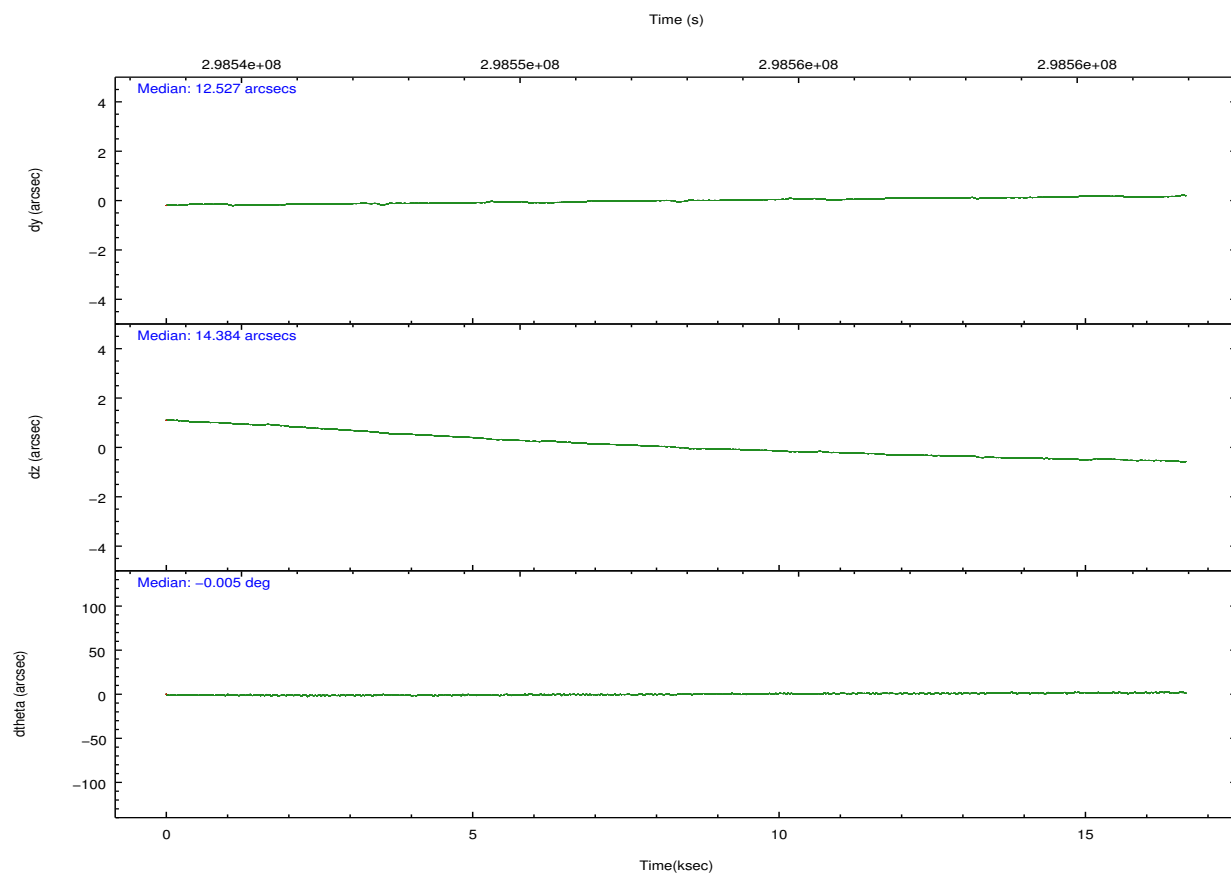
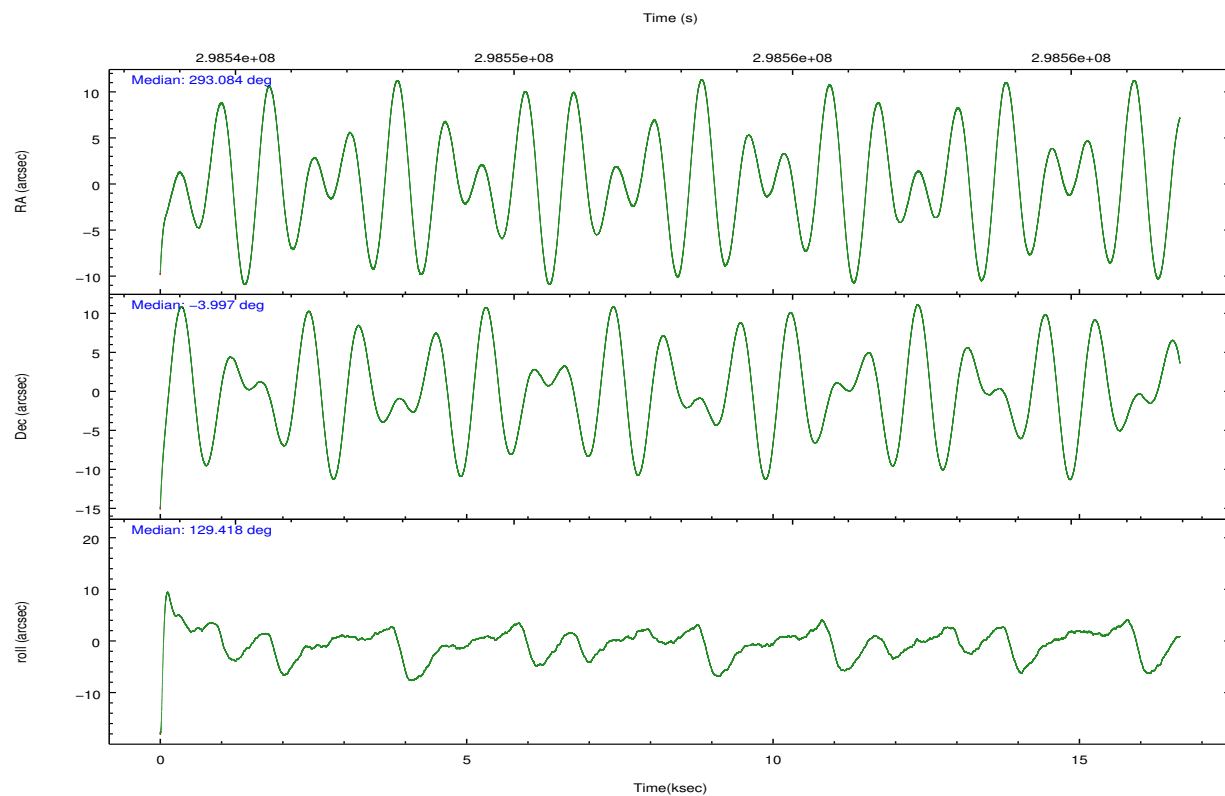
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	145101	132185	193806	136653	148933	168900	grade 0 events	4631	4434	15069	4894	6247	12508
rejected events	132198	119771	95268	122714	81685	128286		3%	3%	7%	3%	4%	7%
rejected %	91%	90%	49%	89%	54%	75%	grade 1 events	84	61	363	66	210	145
								0%	0%	0%	0%	0%	0%
							grade 2 events	3077	2789	28879	3112	13699	9332
								2%	2%	14%	2%	9%	5%
							grade 3 events	1485	1461	3903	1584	6350	4498
								1%	1%	2%	1%	4%	2%
							grade 4 events	1417	1397	3651	1439	6277	4178
								0%	1%	1%	1%	4%	2%
							grade 5 events	4505	5332	14923	5436	15888	7722
								3%	4%	7%	3%	10%	4%
							grade 6 events	2432	2488	48104	3059	35466	10553
								1%	1%	24%	2%	23%	6%
							grade 7 events	127470	114223	78914	117063	64796	119964
								87%	86%	40%	85%	43%	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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	293.109519	293.0837074845111	CCD I2 on	O1	Y
[deg] Pointing Dec	-4.006659	-3.997377530976248	CCD I3 on	O2	Y
[deg] Pointing Roll	129.269741	129.4245405003953	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	298544620.184000	298543478.62257	CCD S5 on	N	N
Observation start date	2007-06-18T09:02:35	2007-06-18T08:44:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	298561120.184000	298561925.03596	On-chip summing requested	N	N
Observation end date	2007-06-18T13:37:35	2007-06-18T13:52:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



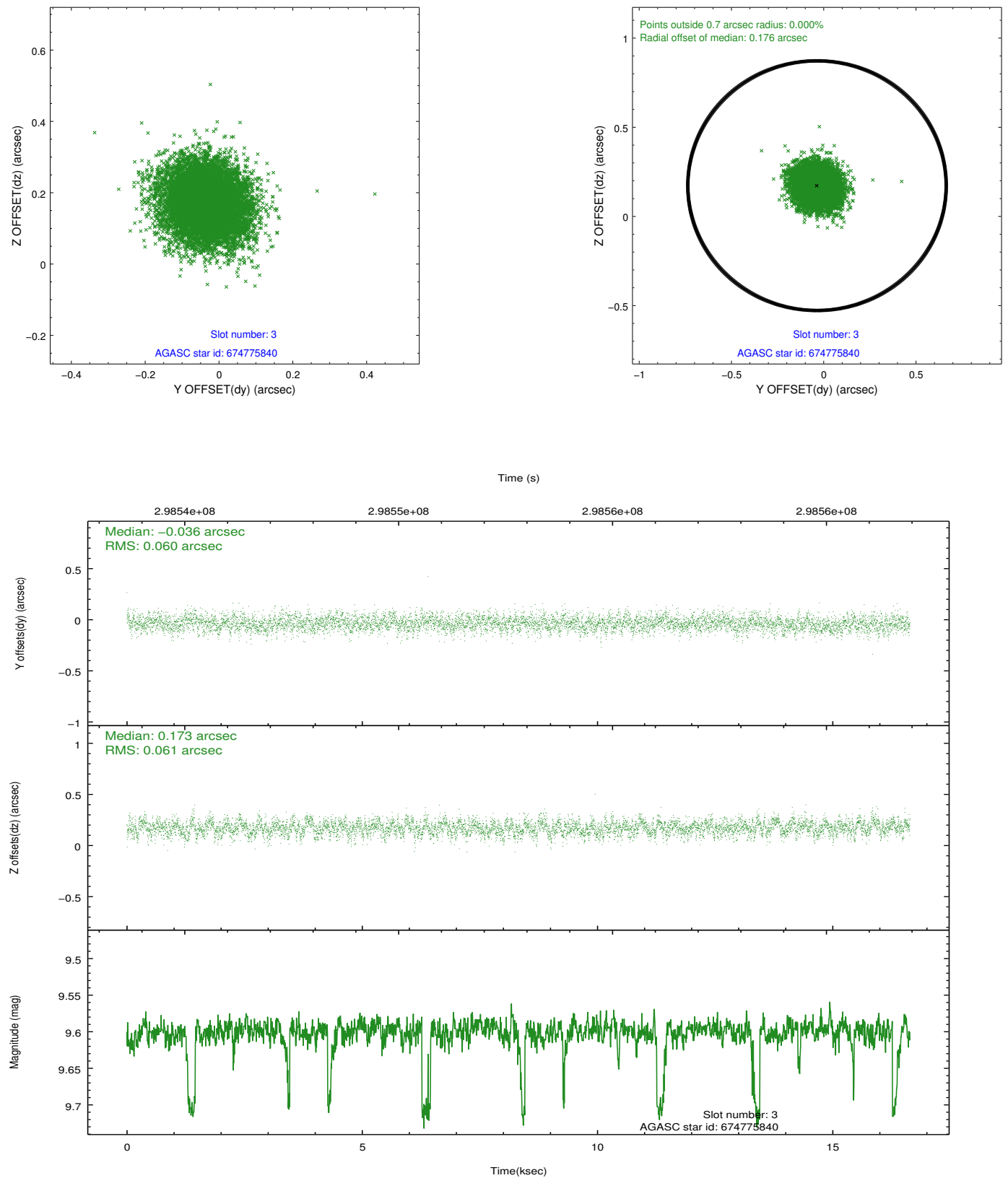


Slot Statistics

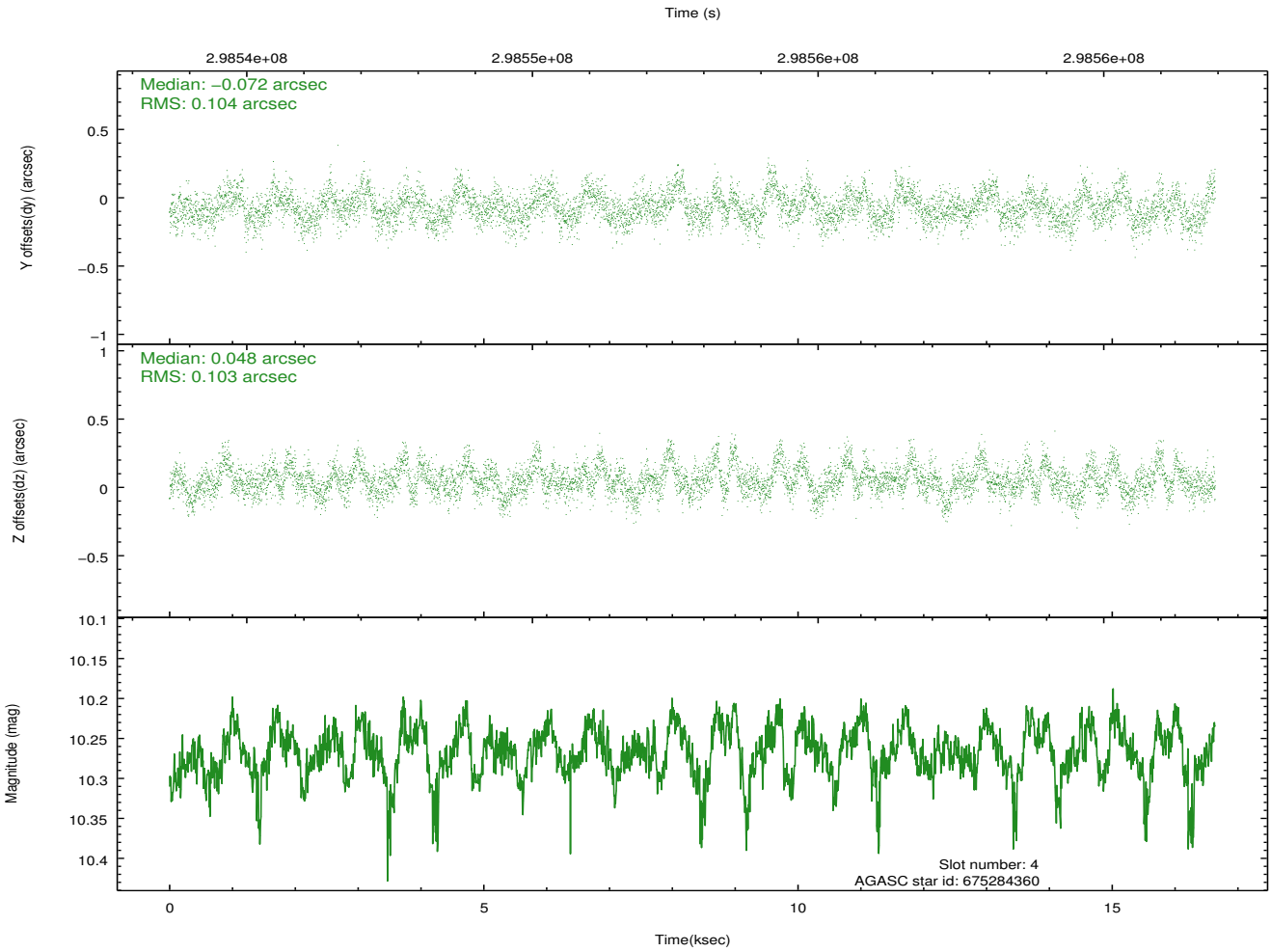
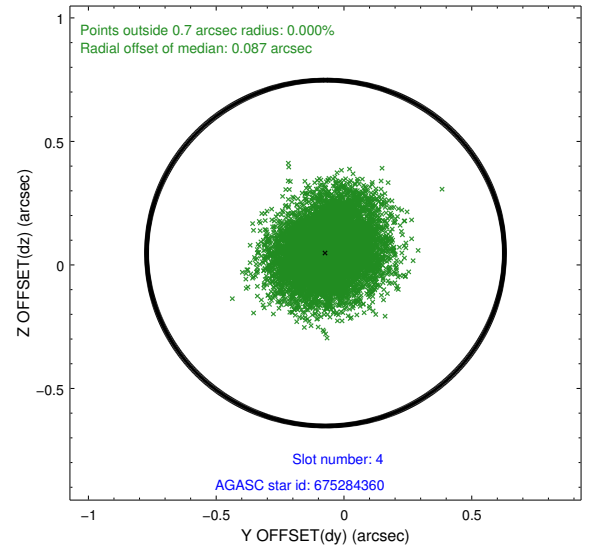
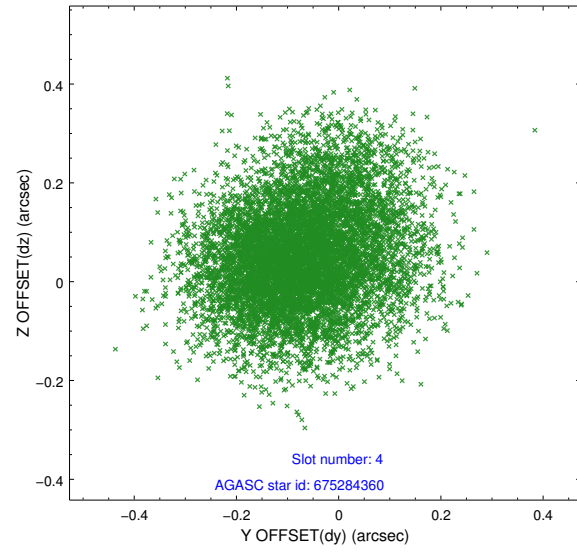
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4060	-0.047	-0.051	0.014	0.021	0.000000	0.000000	-765.45	-1735.87
1	FID	ACIS-S-4	7.19	4060	0.158	0.036	0.009	0.026	0.000000	0.000000	2147.89	172.47
2	FID	ACIS-S-5	7.23	4060	-0.141	0.026	0.013	0.020	0.000000	0.000000	-1818.08	166.37
3	GUIDE	674775840	9.60	8091	-0.036	0.173	0.091	0.148	292.903897	-3.467066	1971.67	-657.08
4	GUIDE	675284360	10.27	8100	-0.072	0.048	0.156	0.253	292.527452	-3.785149	1940.45	1114.66
5	GUIDE	675286760	9.30	8076	0.019	-0.160	0.131	0.210	292.973228	-3.893477	625.63	121.16
6	GUIDE	675290792	9.13	8116	0.118	0.191	0.095	0.155	293.940151	-4.156244	-2305.40	-1967.20
7	GUIDE	673588304	10.19	8104	-0.031	-0.256	0.138	0.218	292.417248	-4.198482	1037.40	2361.64

2.4 Star Slots

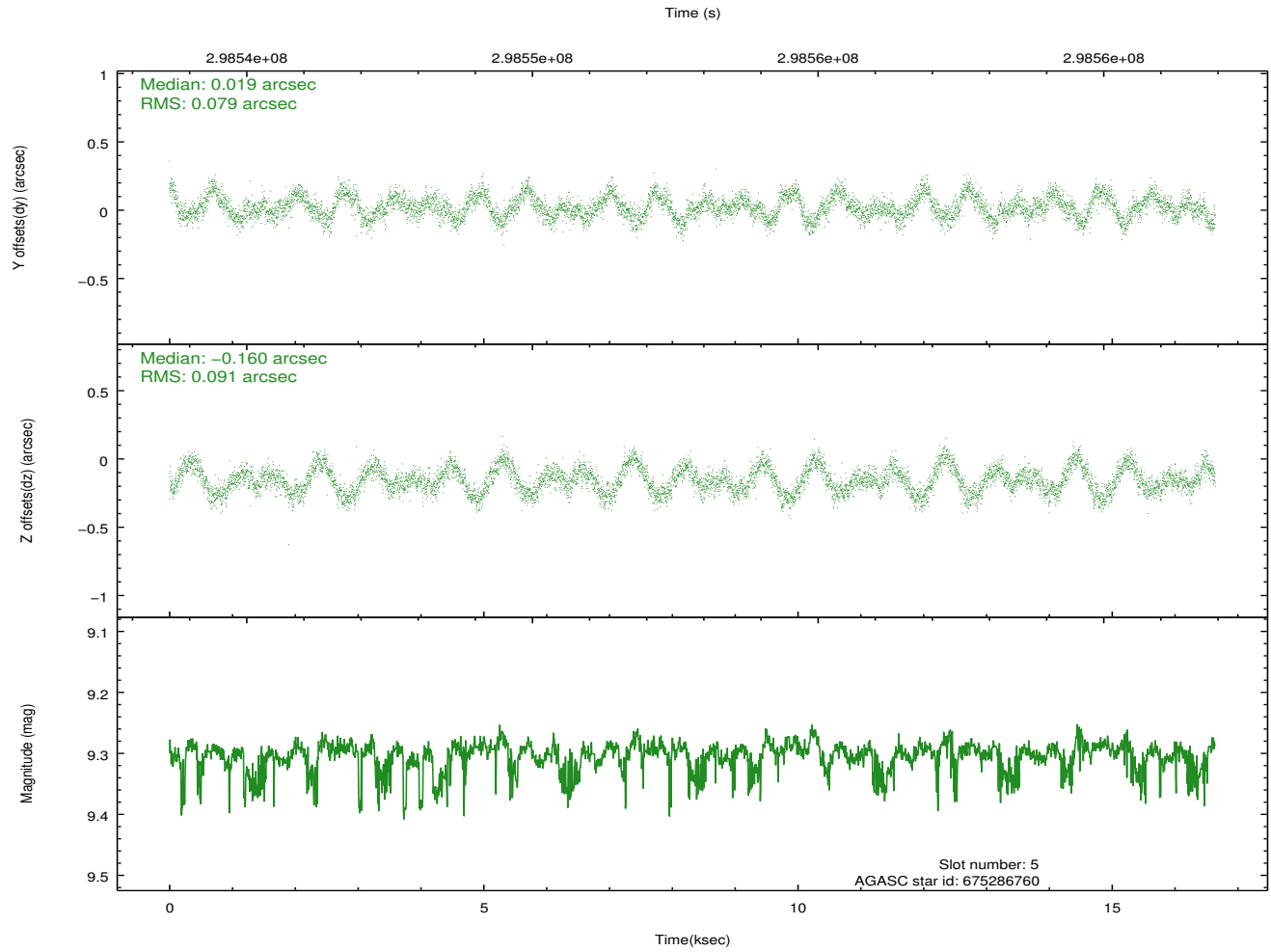
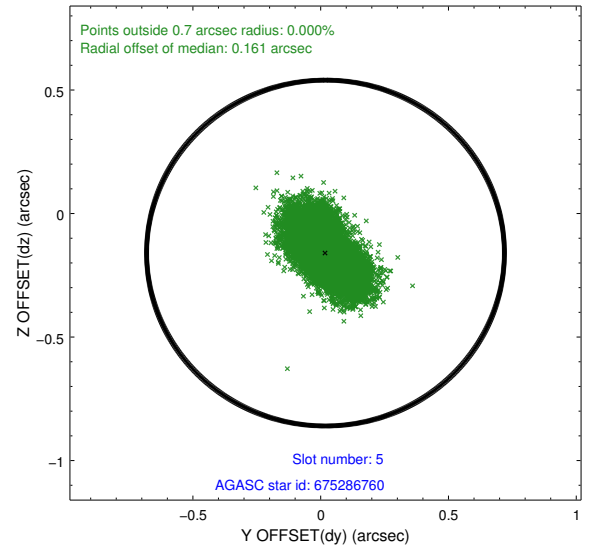
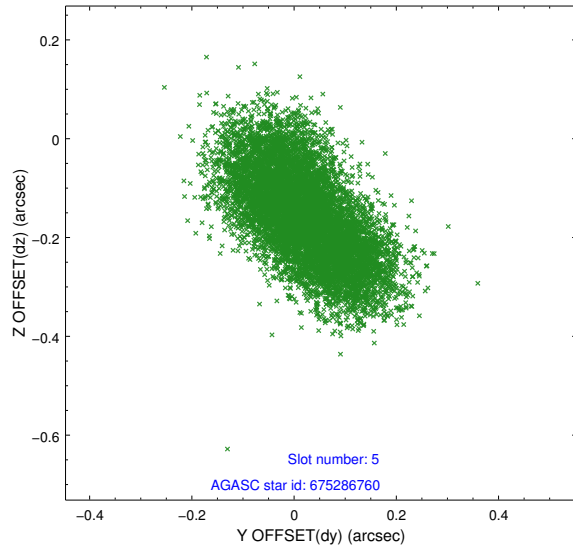
2.4.1 Slot 3



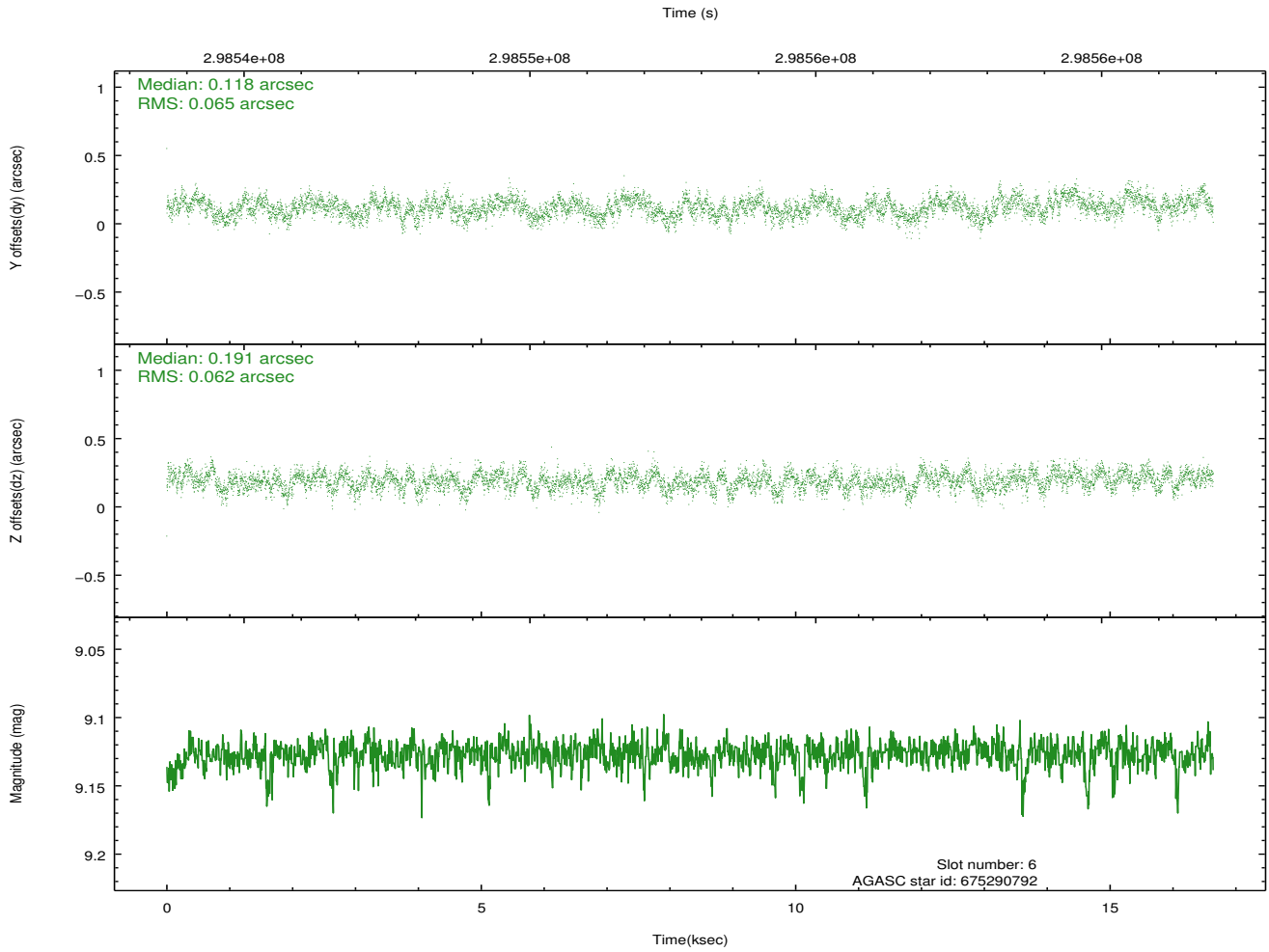
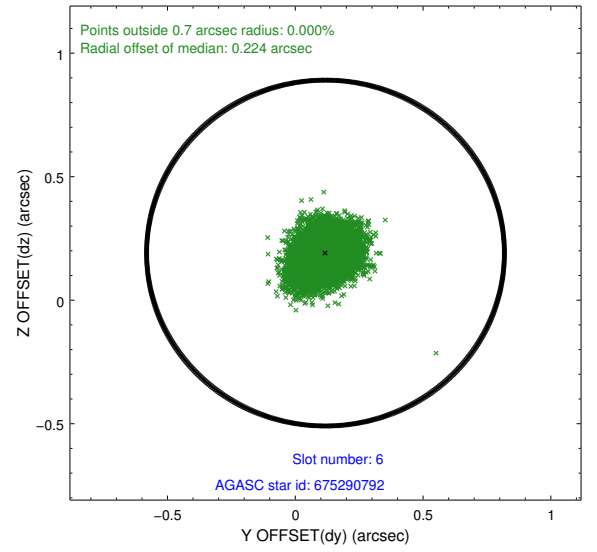
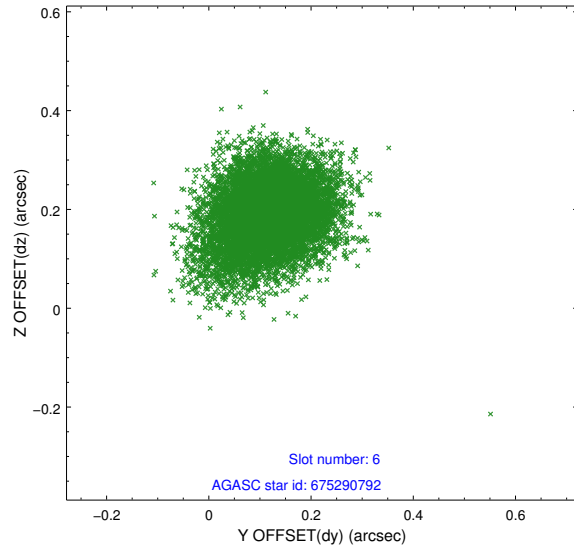
2.4.2 Slot 4



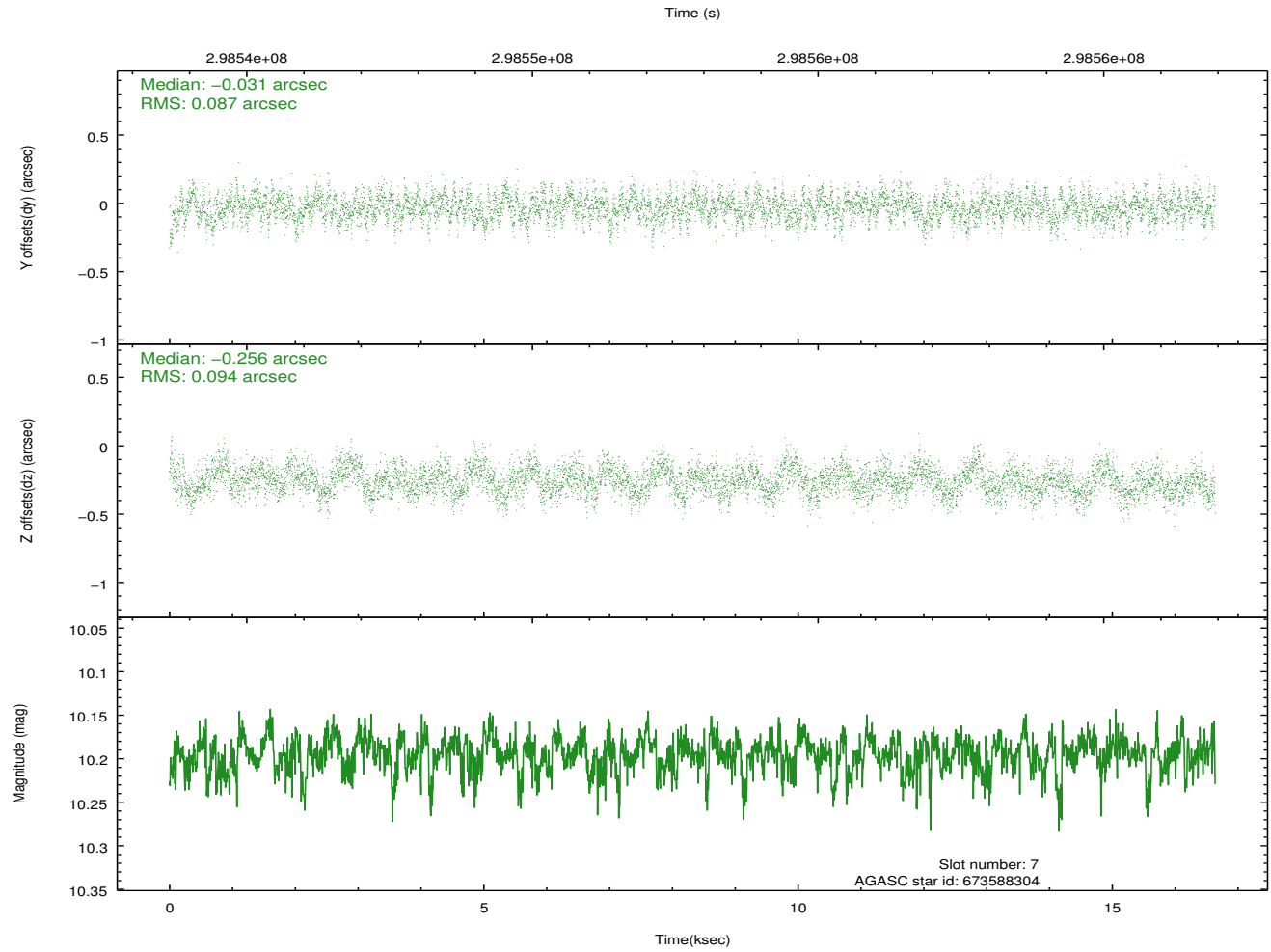
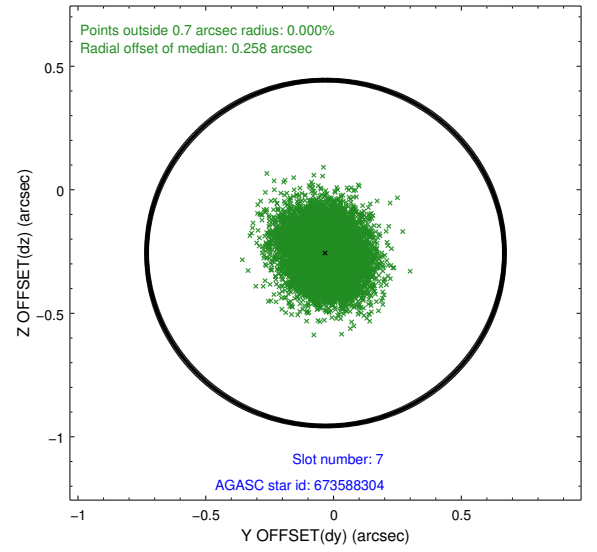
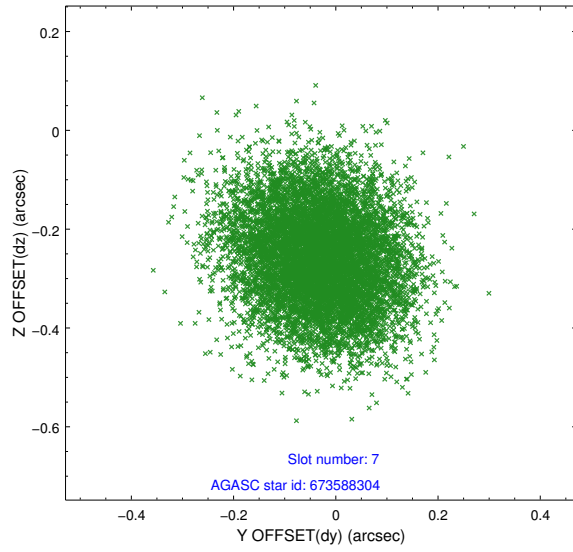
2.4.3 Slot 5



2.4.4 Slot 6

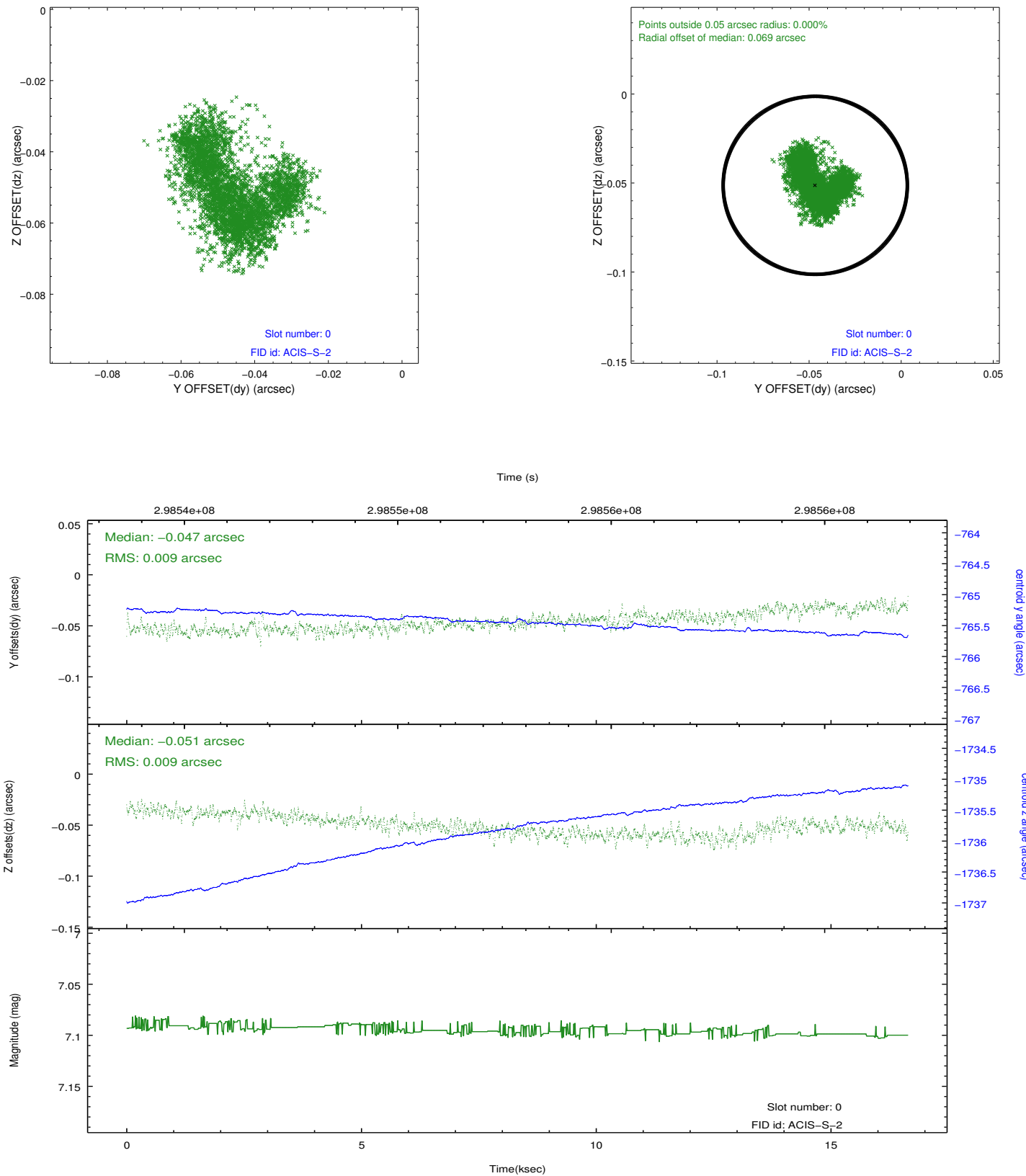


2.4.5 Slot 7

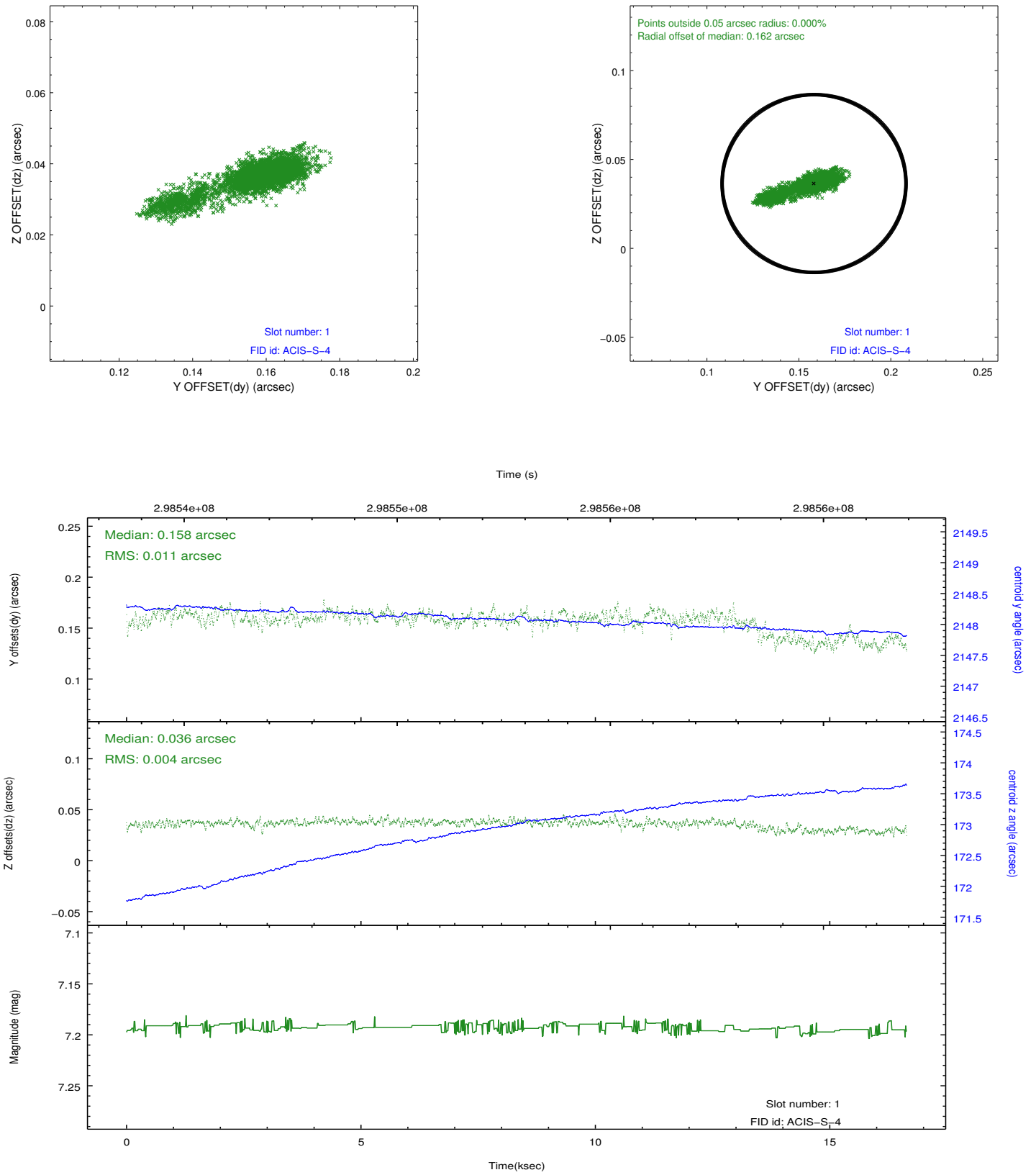


2.5 FID Slots

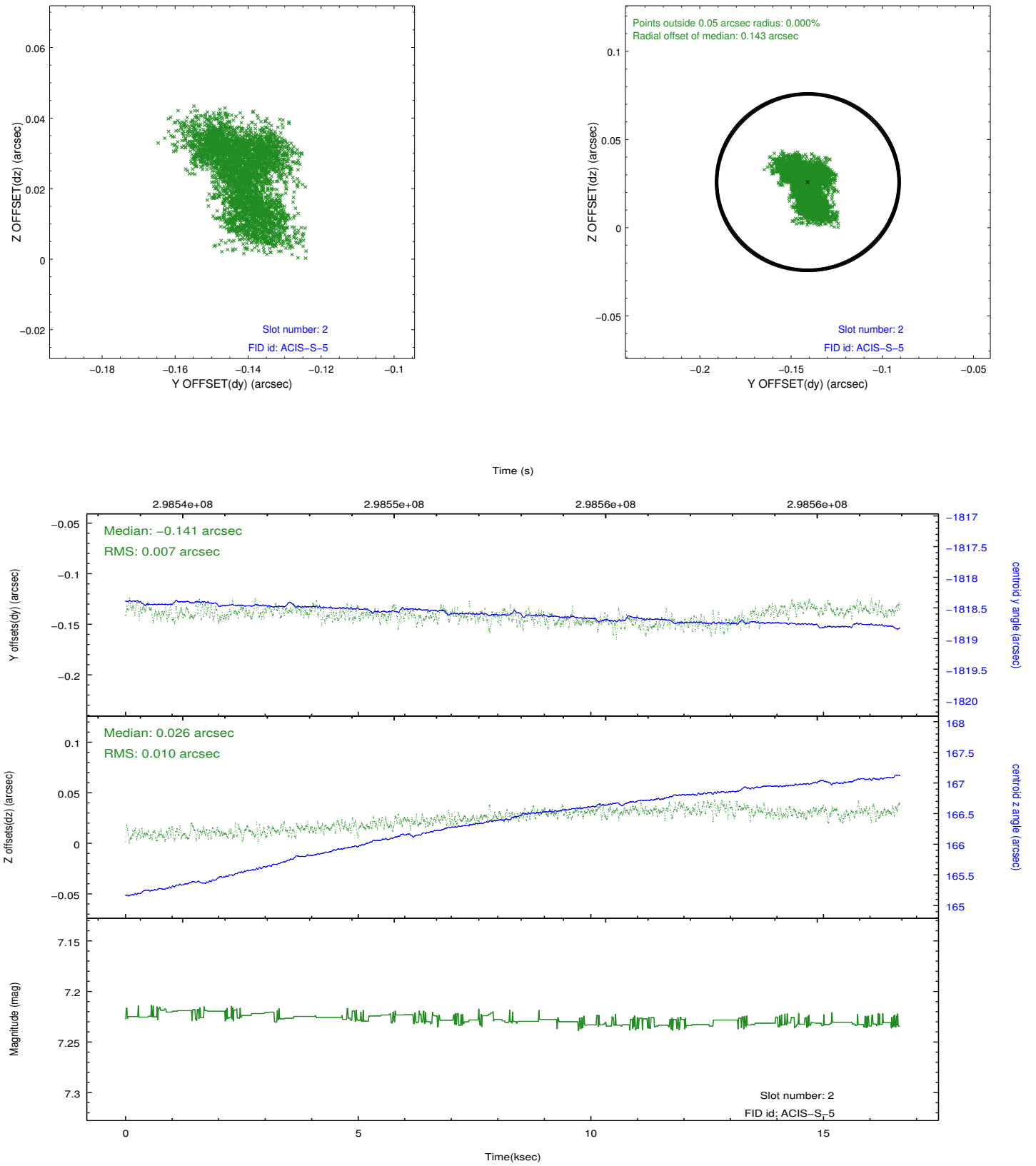
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.6335999

A.2 Comments