

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9877 - L2 Version 2
Chandra X-Ray Center

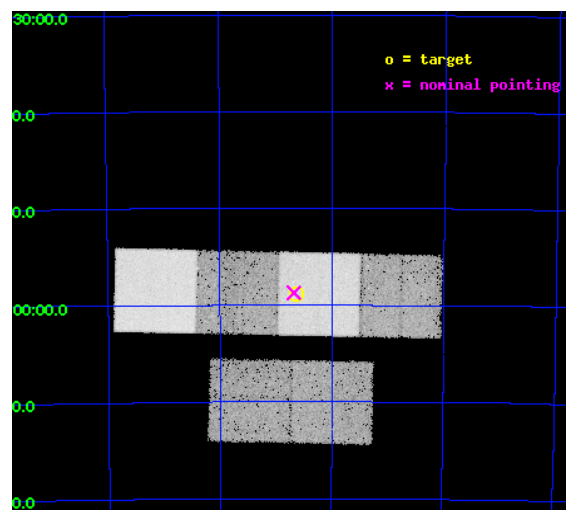
L2 Processing Date : May 17 2012

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1 Front

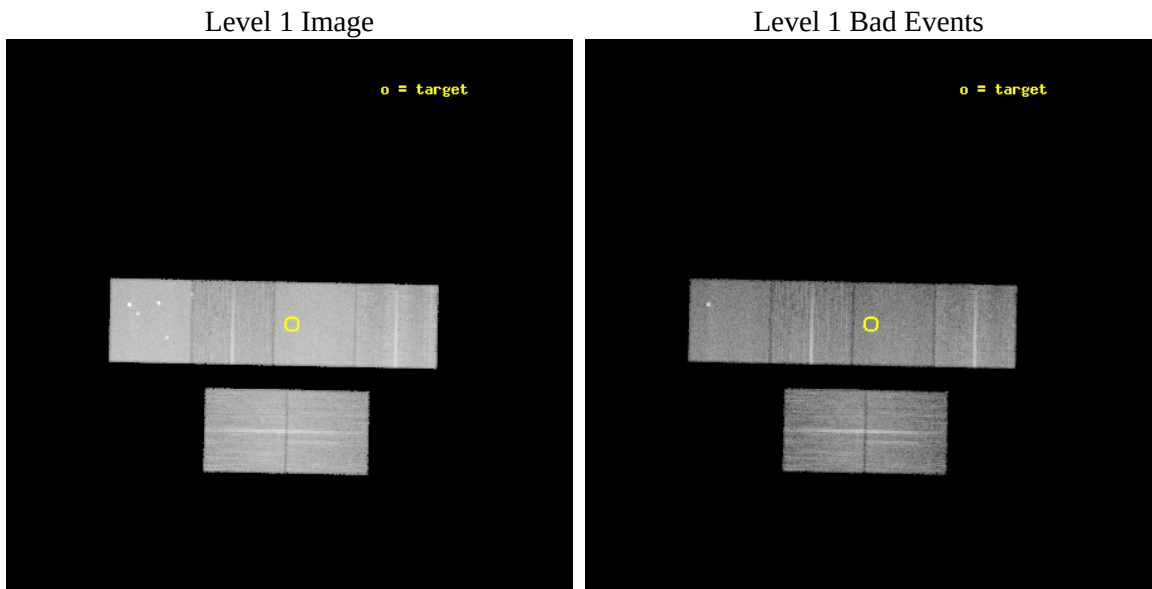
seq_num	600711	Sequence number
obs_id	9877	Observation id
title	Galaxies across the Octaves: A Chandra Legacy Survey of SINGS Galaxies	Proposal title
observer	Dr Leigh Jenkins	Principal investigator
object	IC 4710	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	277.159167	Observer's specified target RA [deg]
dec_targ	-66.981667	Observer's specified target Dec [deg]
ra_nom	277.16957903833	Nominal RA [deg]
dec_nom	-66.979001408715	Nominal Dec [deg]
roll_nom	1.1662095018265	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15449.599942505	Sum of GTIs [s]
livetime	15253.967805401	Livetime [s]
ontime2	15449.599942505	Sum of GTIs [s]
ontime3	15446.358942211	Sum of GTIs [s]
ontime5	15449.599942505	Sum of GTIs [s]
ontime6	15449.599942505	Sum of GTIs [s]
ontime7	15449.599942505	Sum of GTIs [s]
ontime8	15449.599942505	Sum of GTIs [s]
l2events	250619	Number of level 2 events



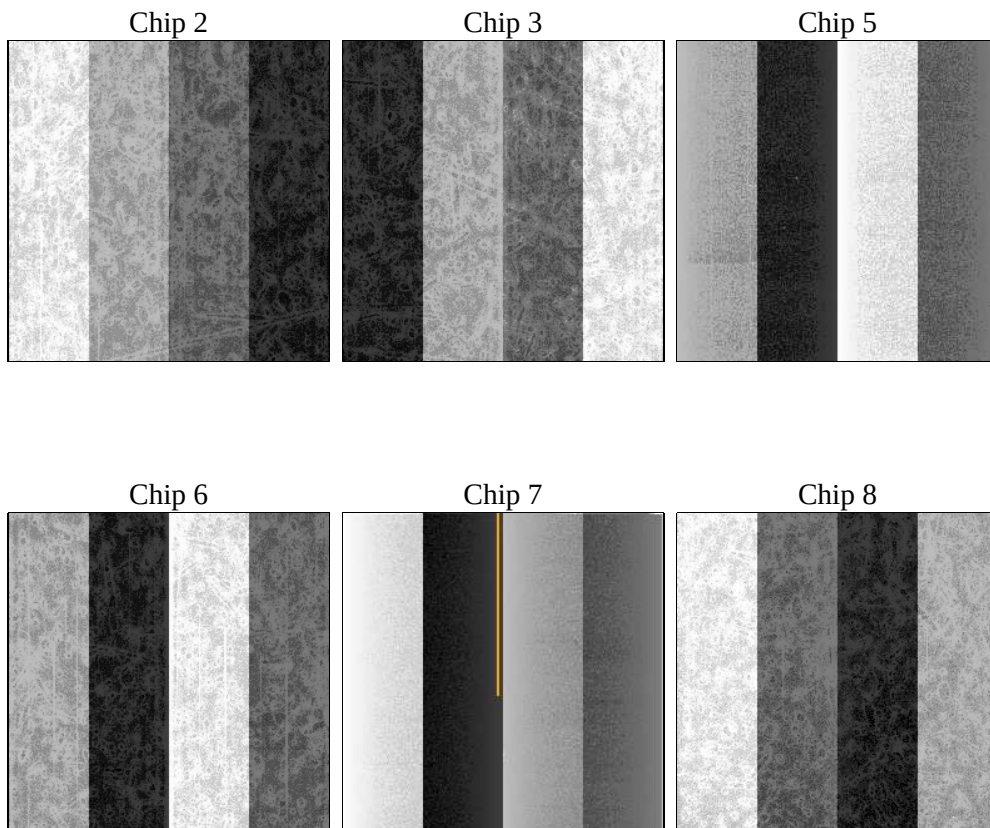
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15449.599942505	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15449.599942505	Sum of GTIs [s]
date	2012-05-17T04:17:02	Date and time of file creation	ontime3	15446.358942211	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15449.599942505	Sum of GTIs [s]
			ontime6	15449.599942505	Sum of GTIs [s]
			ontime7	15449.599942505	Sum of GTIs [s]
			ontime8	15449.599942505	Sum of GTIs [s]
			l1events	1073845	Number of level 1 events

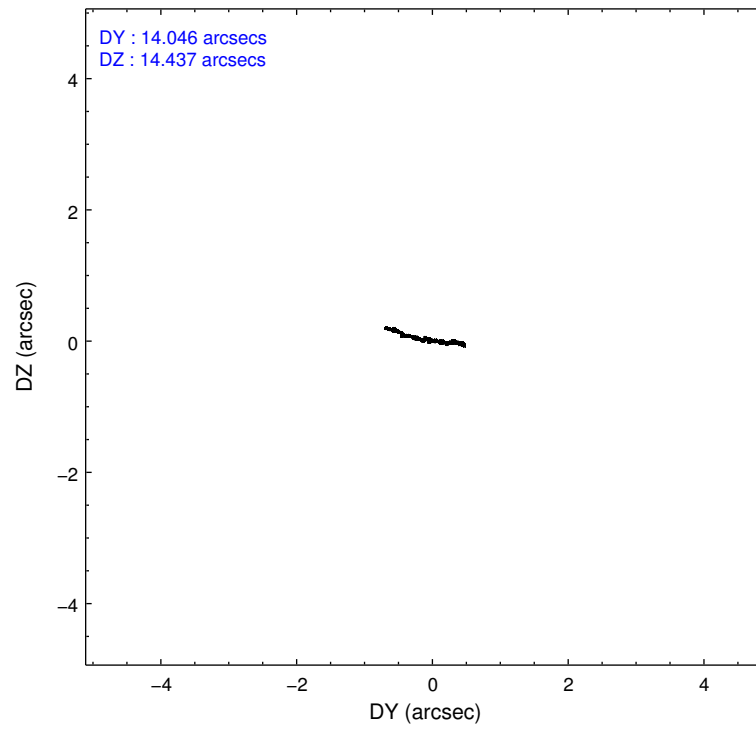
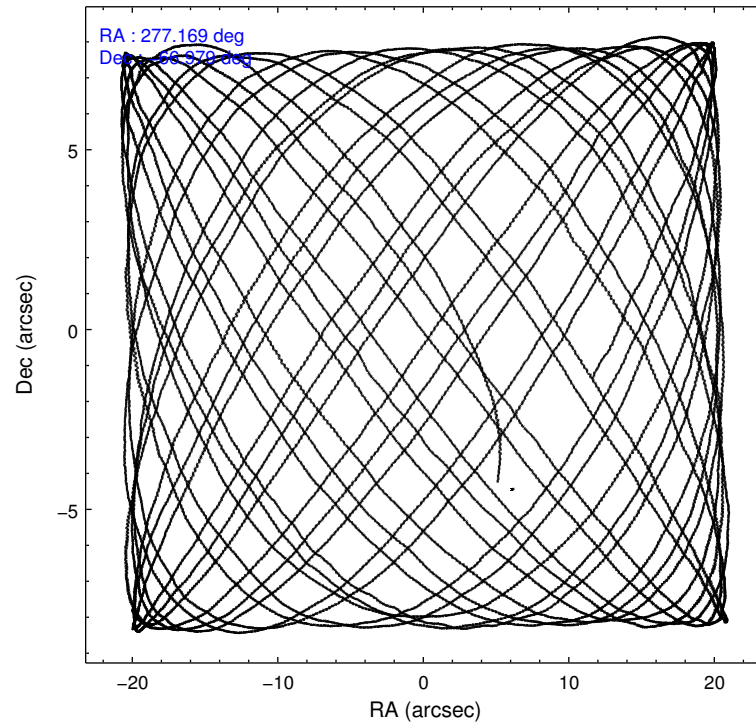
2.1.4 Events

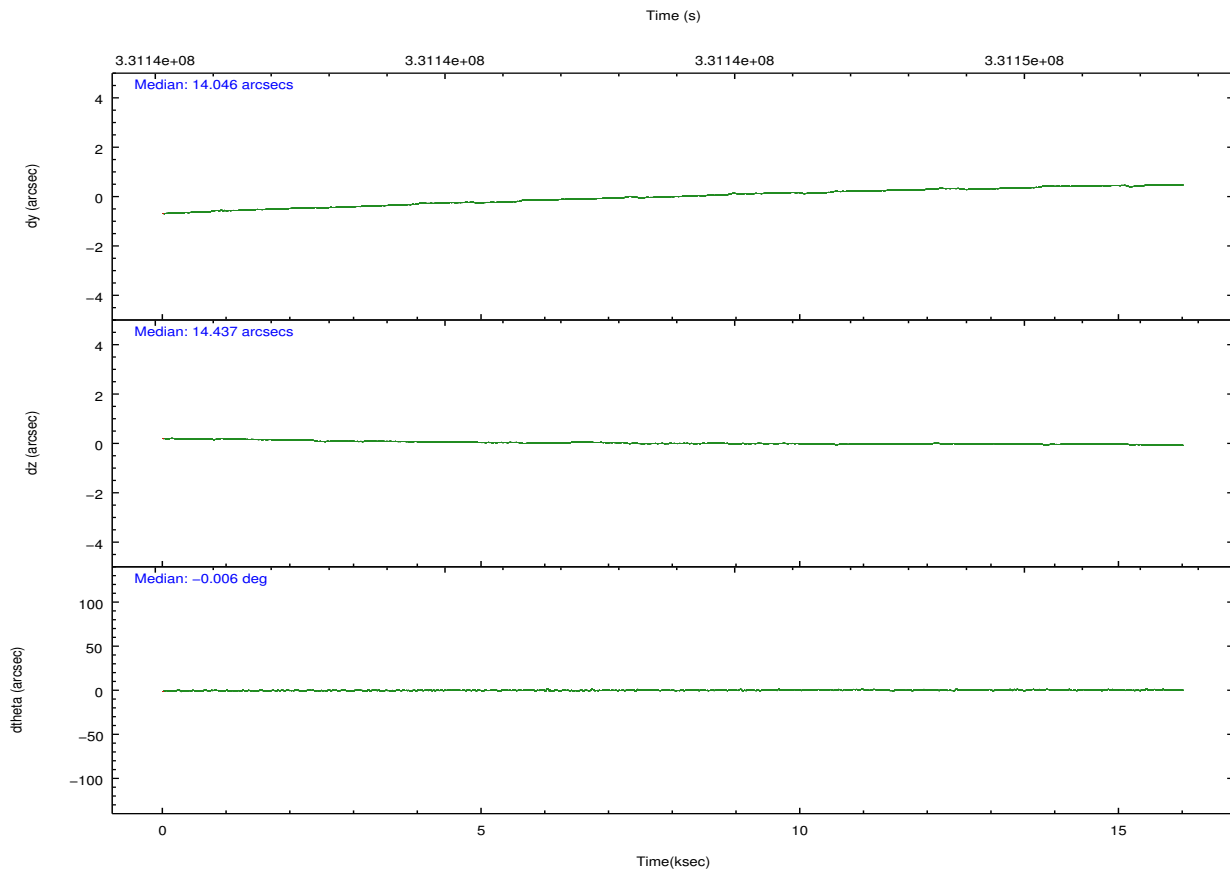
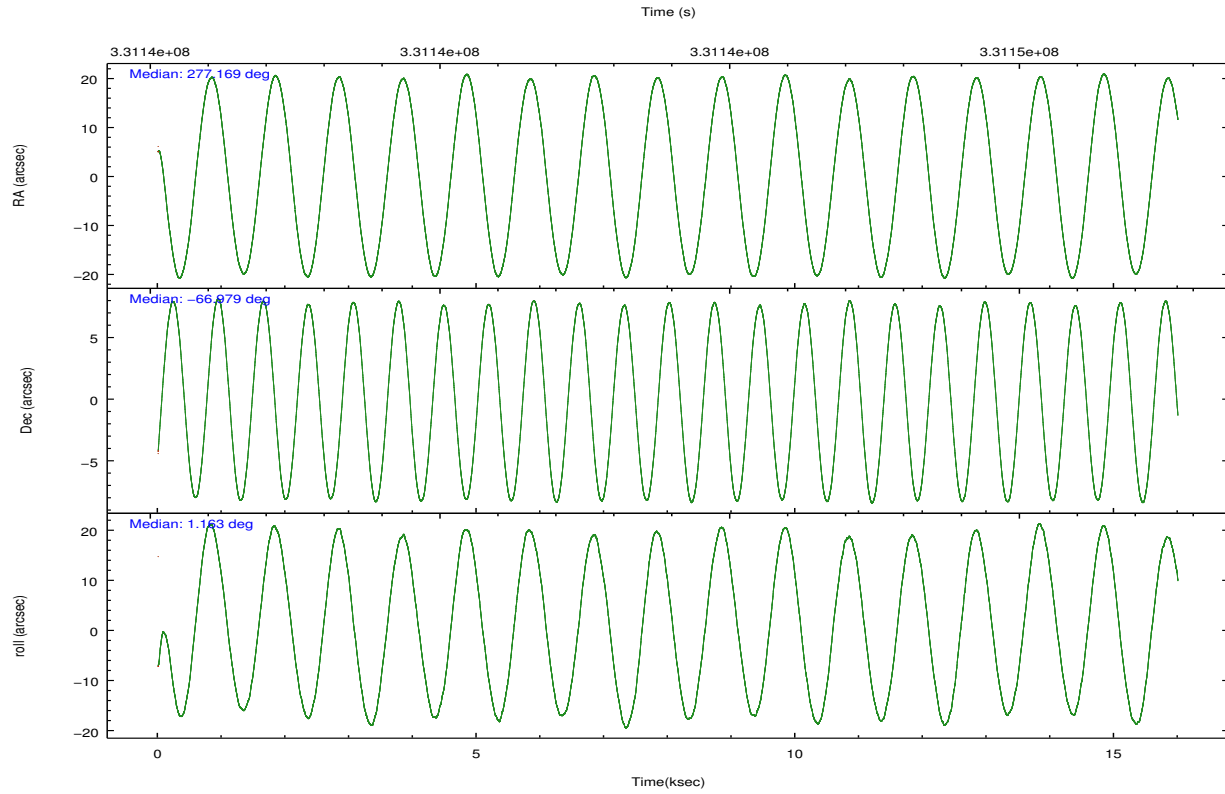
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	151164	141538	234688	149544	208507	188404	grade 0 events	7792	7943	10688	7319	7596	13820
rejected events	133321	123722	126450	131024	121505	145470		5%	5%	4%	4%	3%	7%
rejected %	88%	87%	53%	87%	58%	77%	grade 1 events	113	105	403	86	222	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	3815	3464	33725	4134	18058	9685
								2%	2%	14%	2%	8%	5%
							grade 3 events	1703	1668	3846	1704	7425	4346
								1%	1%	1%	1%	3%	2%
							grade 4 events	1545	1615	3600	1685	7357	4158
								1%	1%	1%	1%	3%	2%
							grade 5 events	6017	6922	16699	7068	19639	9467
								3%	4%	7%	4%	9%	5%
							grade 6 events	2994	3137	56426	3687	46610	10938
								1%	2%	24%	2%	22%	5%
							grade 7 events	127185	116684	109301	123861	101600	135851
								84%	82%	46%	82%	48%	72%

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	277.110230	277.1695790383319	CCD I2 on	O1	Y
[deg] Pointing Dec	-66.993492	-66.97900140871492	CCD I3 on	O2	Y
[deg] Pointing Roll	0.954955	1.166209501826492	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)	331136447.184000	331135332.4246	CCD S5 on	N	N
Observation start date	2008-06-29T14:19:42	2008-06-29T14:02:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	331151947.184000	331152746.66295	On-chip summing requested	N	N
Observation end date	2008-06-29T18:38:02	2008-06-29T18:52:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



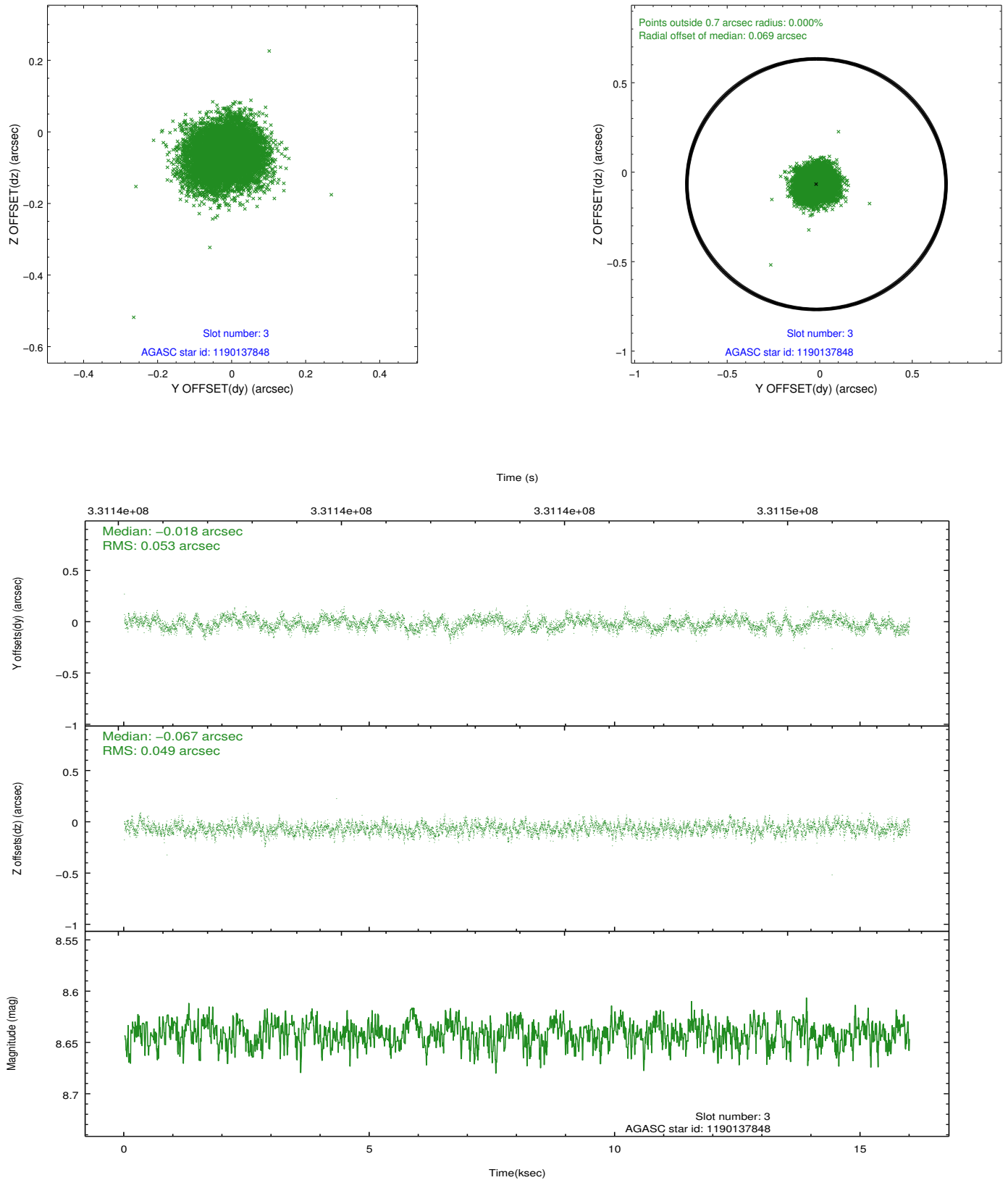


Slot Statistics

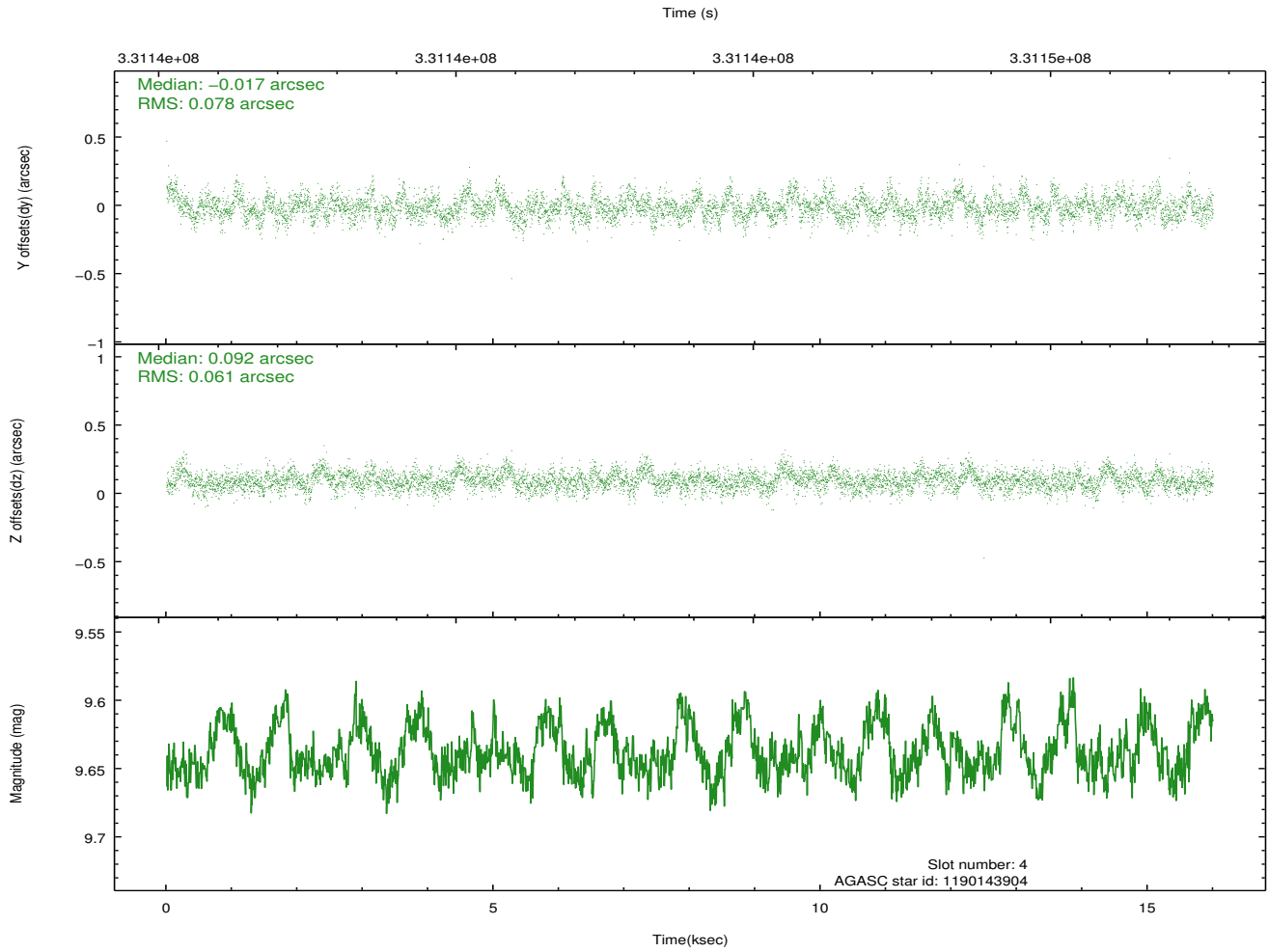
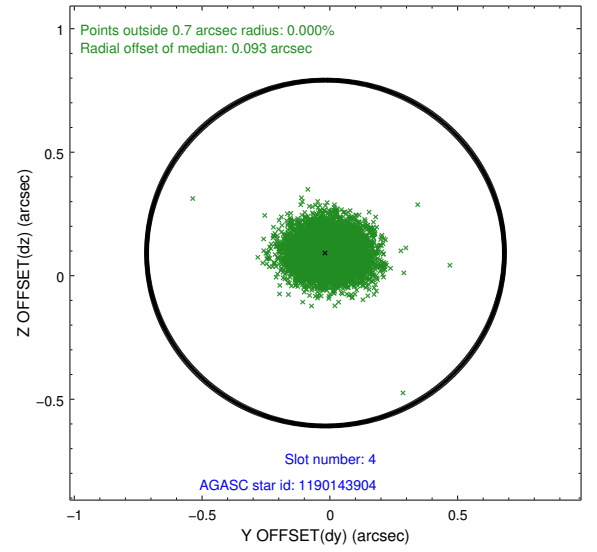
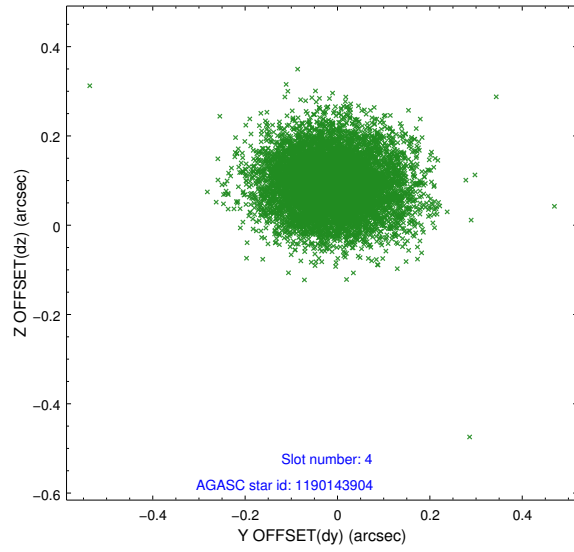
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	3903	0.024	0.010	0.008	0.016	0.000000	0.000000	929.10	-1731.39
1	FID	ACIS-S-4	6.97	3903	0.121	-0.014	0.010	0.018	0.000000	0.000000	2146.74	172.47
2	FID	ACIS-S-5	6.99	3903	-0.171	0.016	0.008	0.014	0.000000	0.000000	-1819.63	166.37
3	GUIDE	1190137848	8.64	7801	-0.018	-0.067	0.078	0.120	276.509501	-66.657293	-836.34	1220.06
4	GUIDE	1190143904	9.64	7795	-0.017	0.092	0.105	0.172	278.397431	-67.114609	1794.38	-484.23
5	GUIDE	1190148984	9.32	7802	0.133	0.074	0.105	0.171	276.454552	-67.059851	-923.23	-228.32
6	GUIDE	1190149424	9.12	7797	-0.078	-0.090	0.089	0.147	278.461360	-67.188365	1873.57	-753.32
7	GUIDE	1190149512	9.53	7795	-0.020	-0.007	0.137	0.207	275.988872	-66.681323	-1578.68	1135.84

2.4 Star Slots

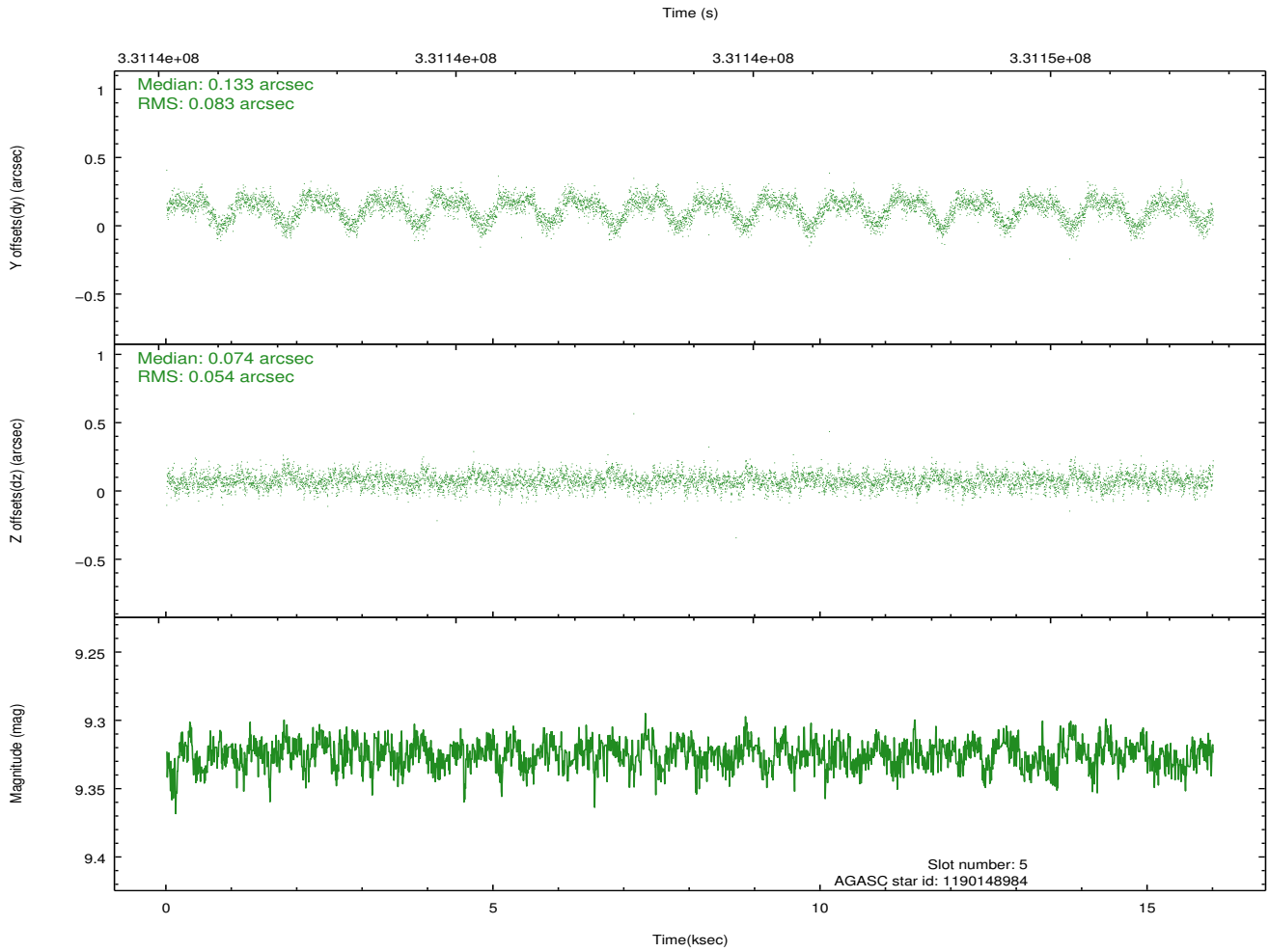
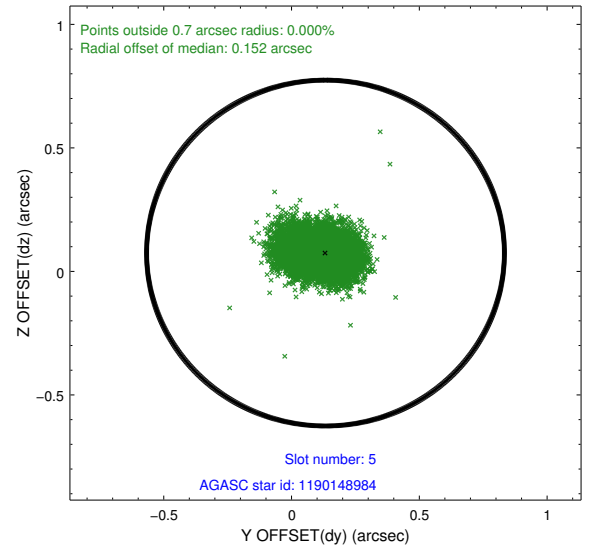
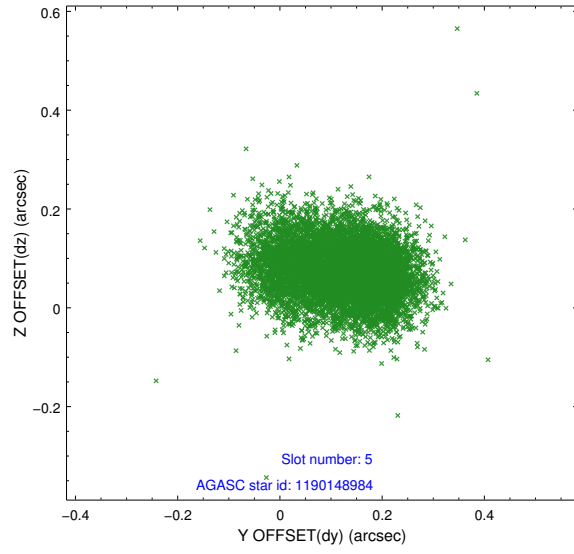
2.4.1 Slot 3



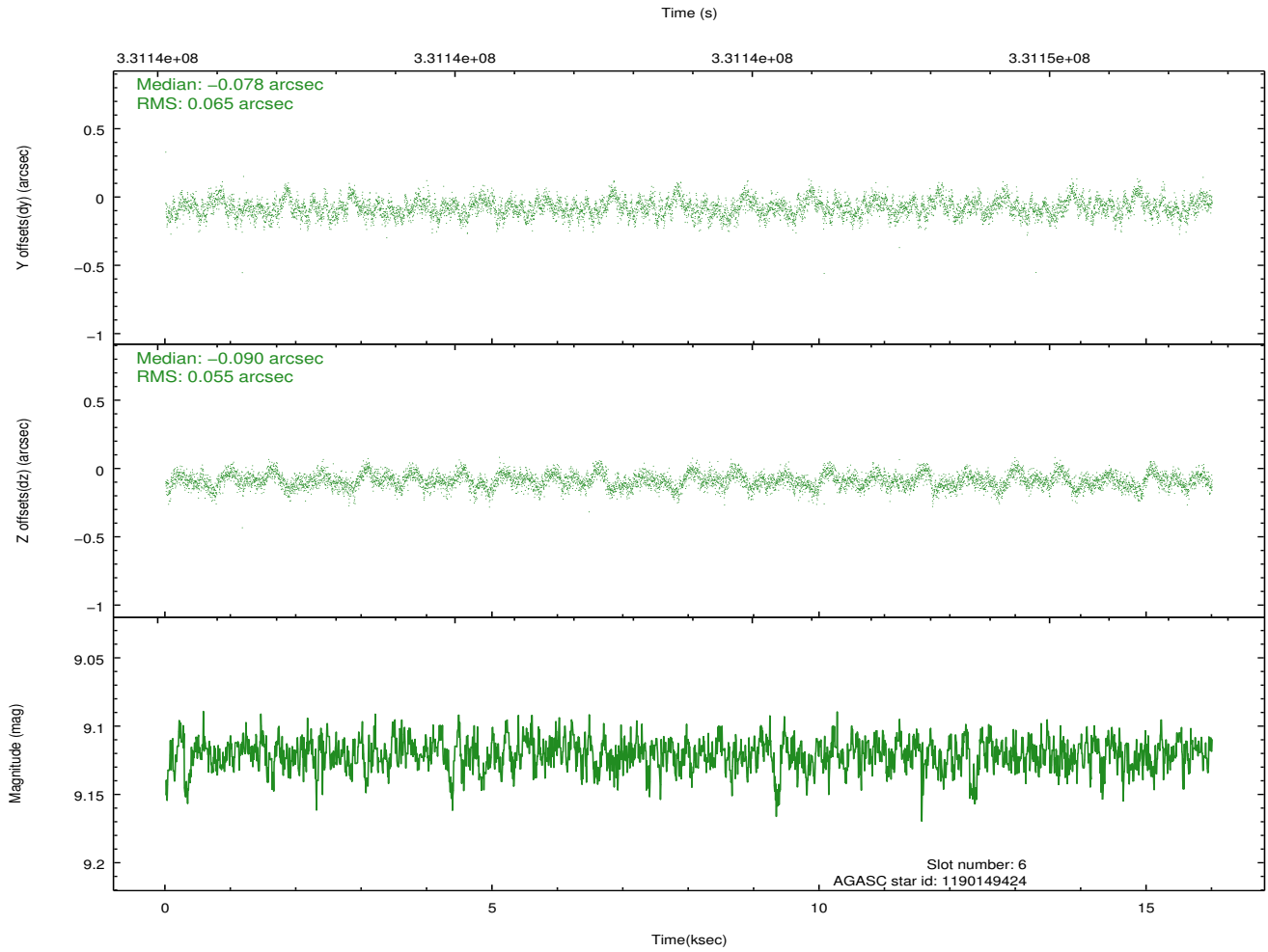
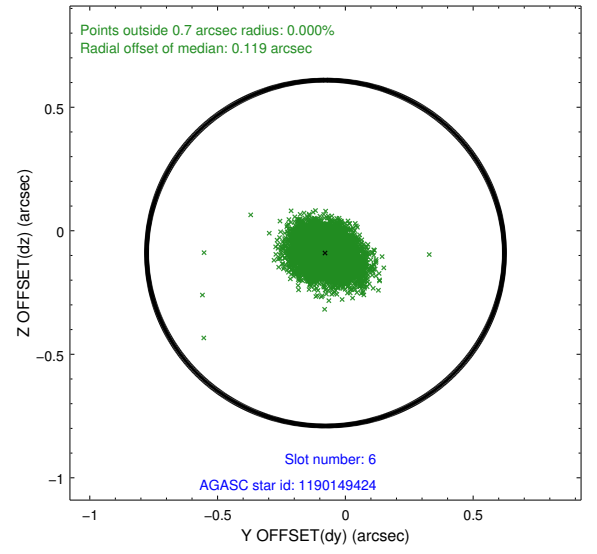
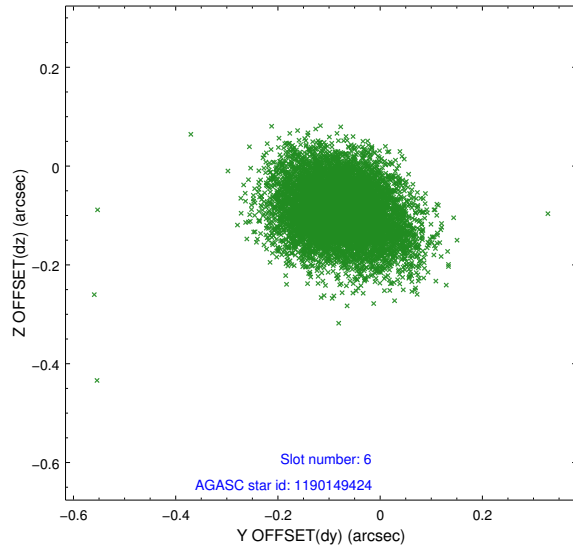
2.4.2 Slot 4



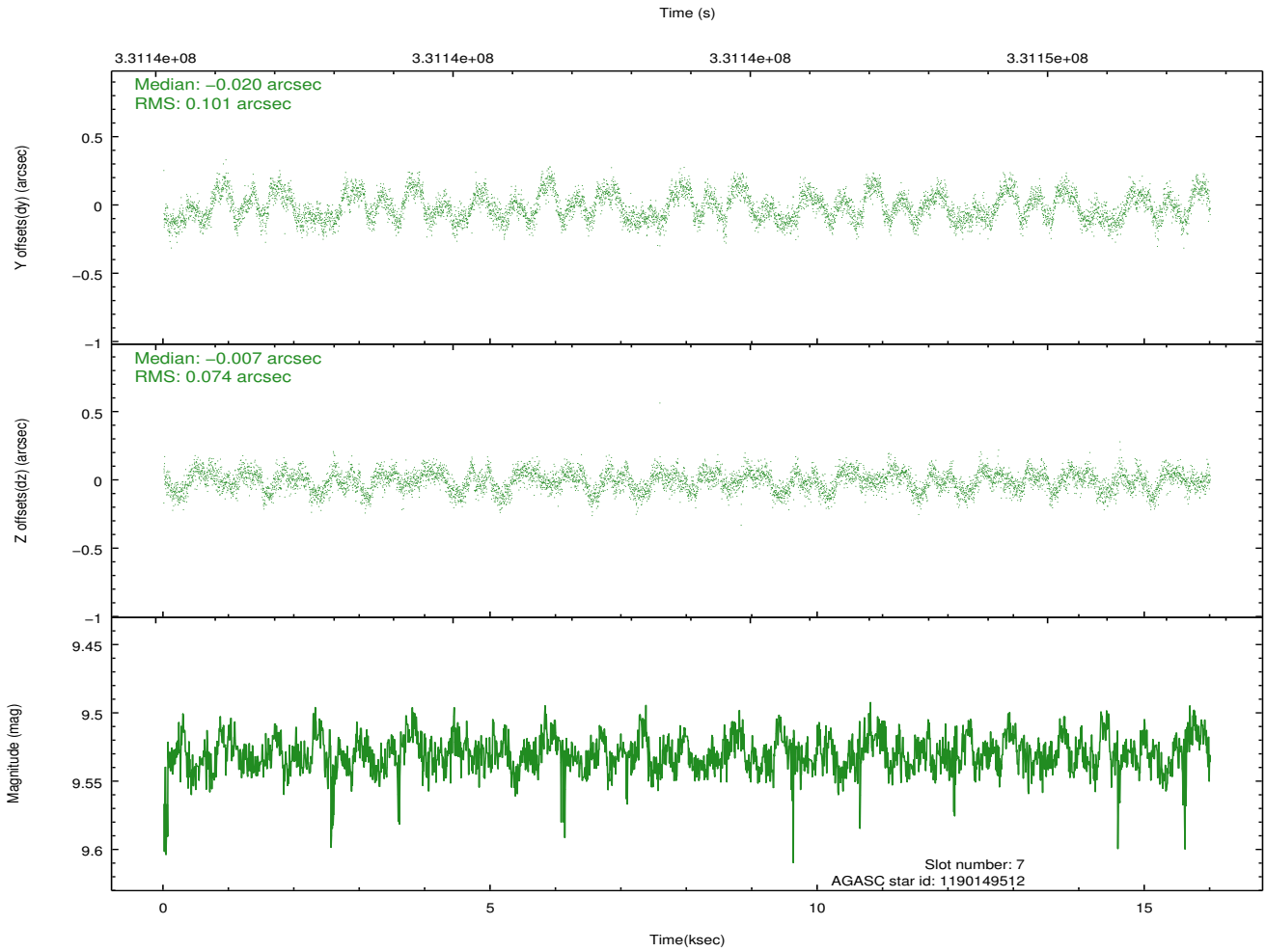
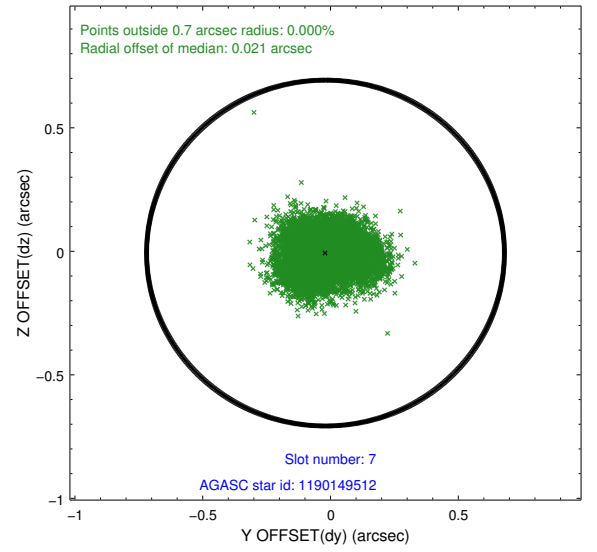
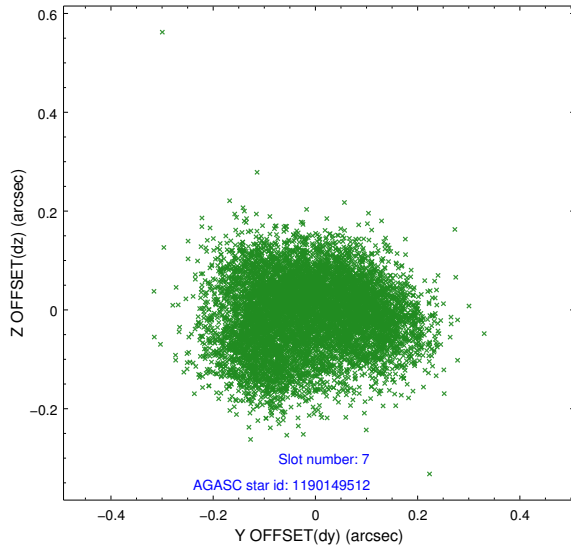
2.4.3 Slot 5



2.4.4 Slot 6

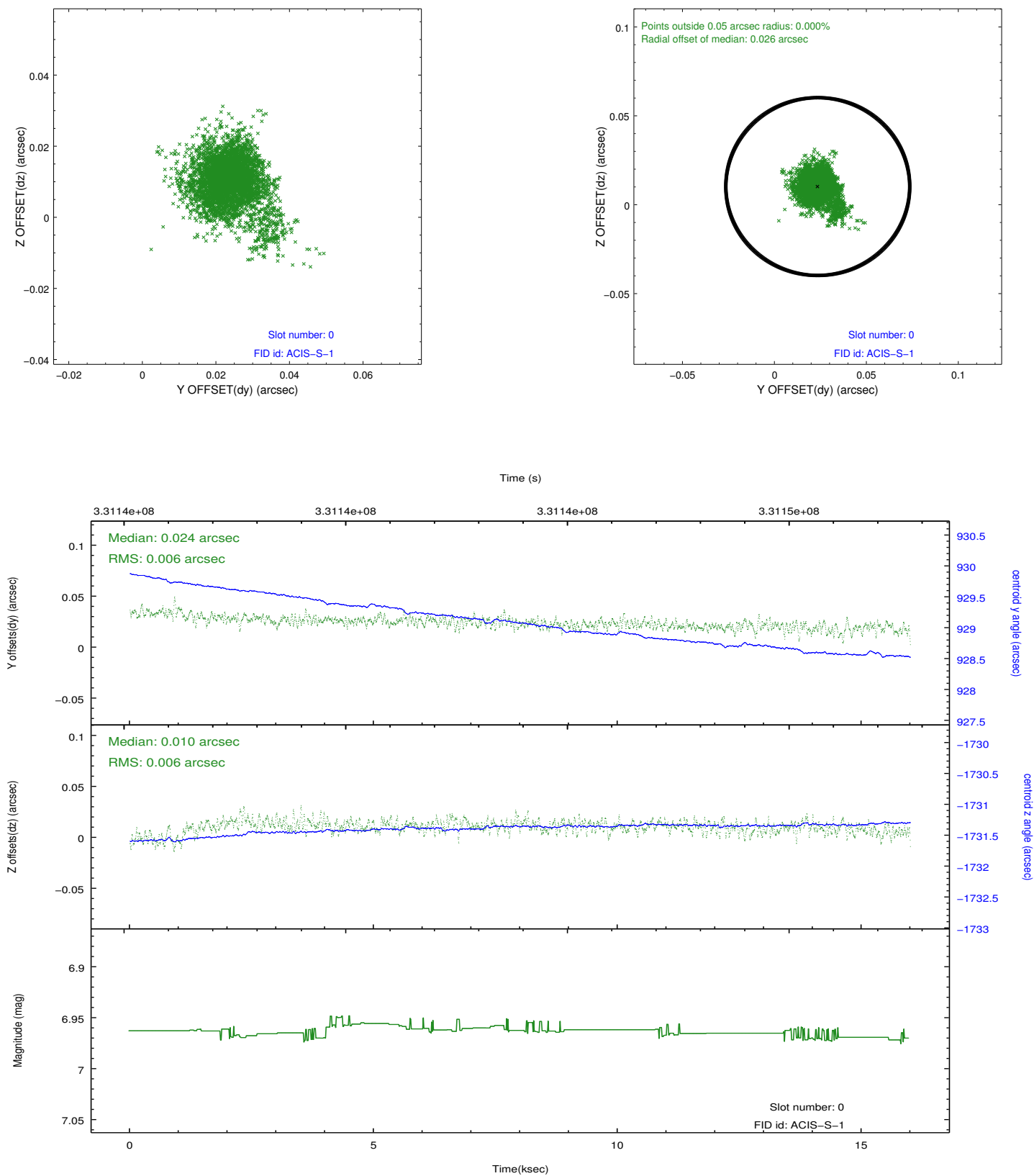


2.4.5 Slot 7

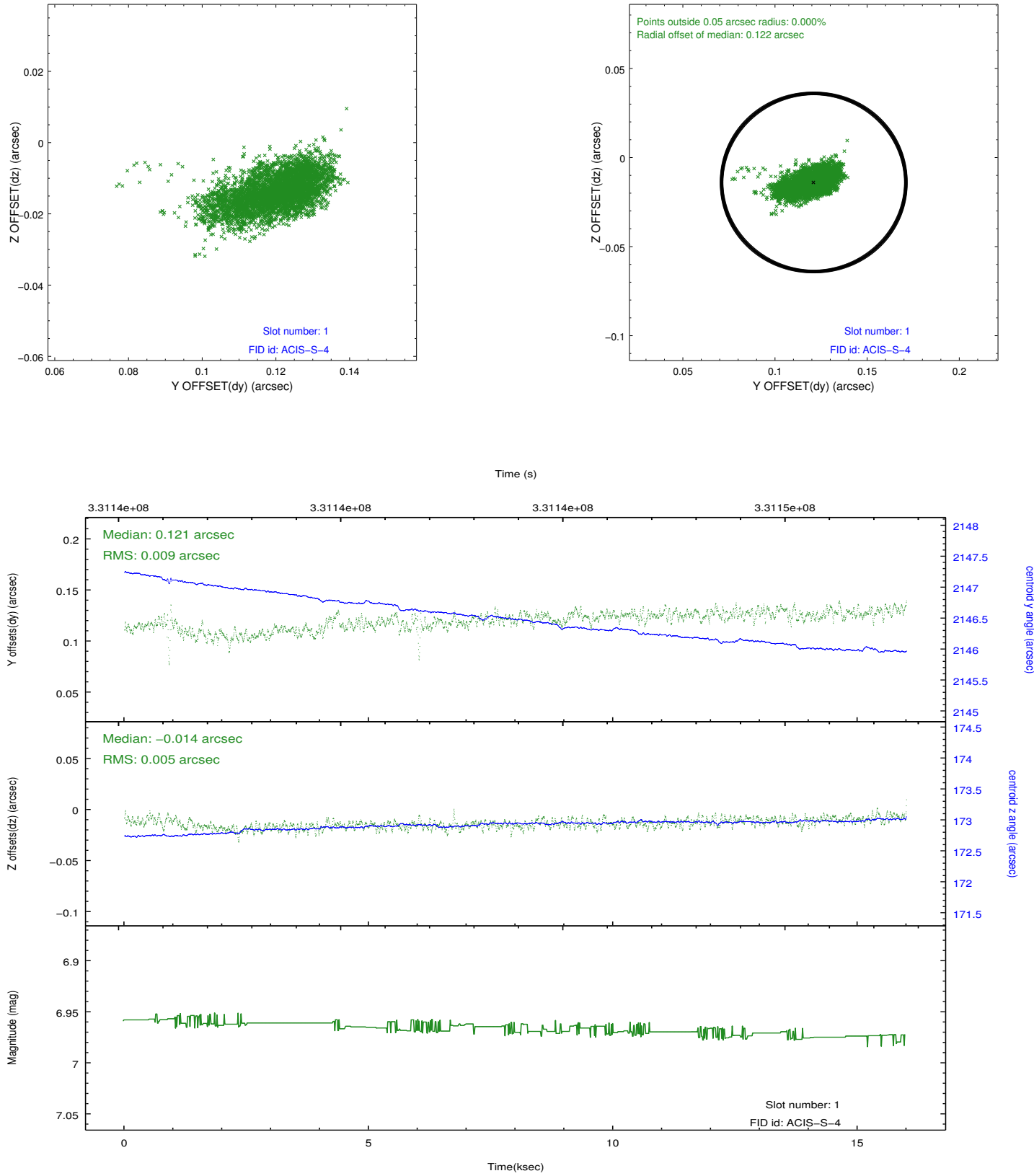


2.5 FID Slots

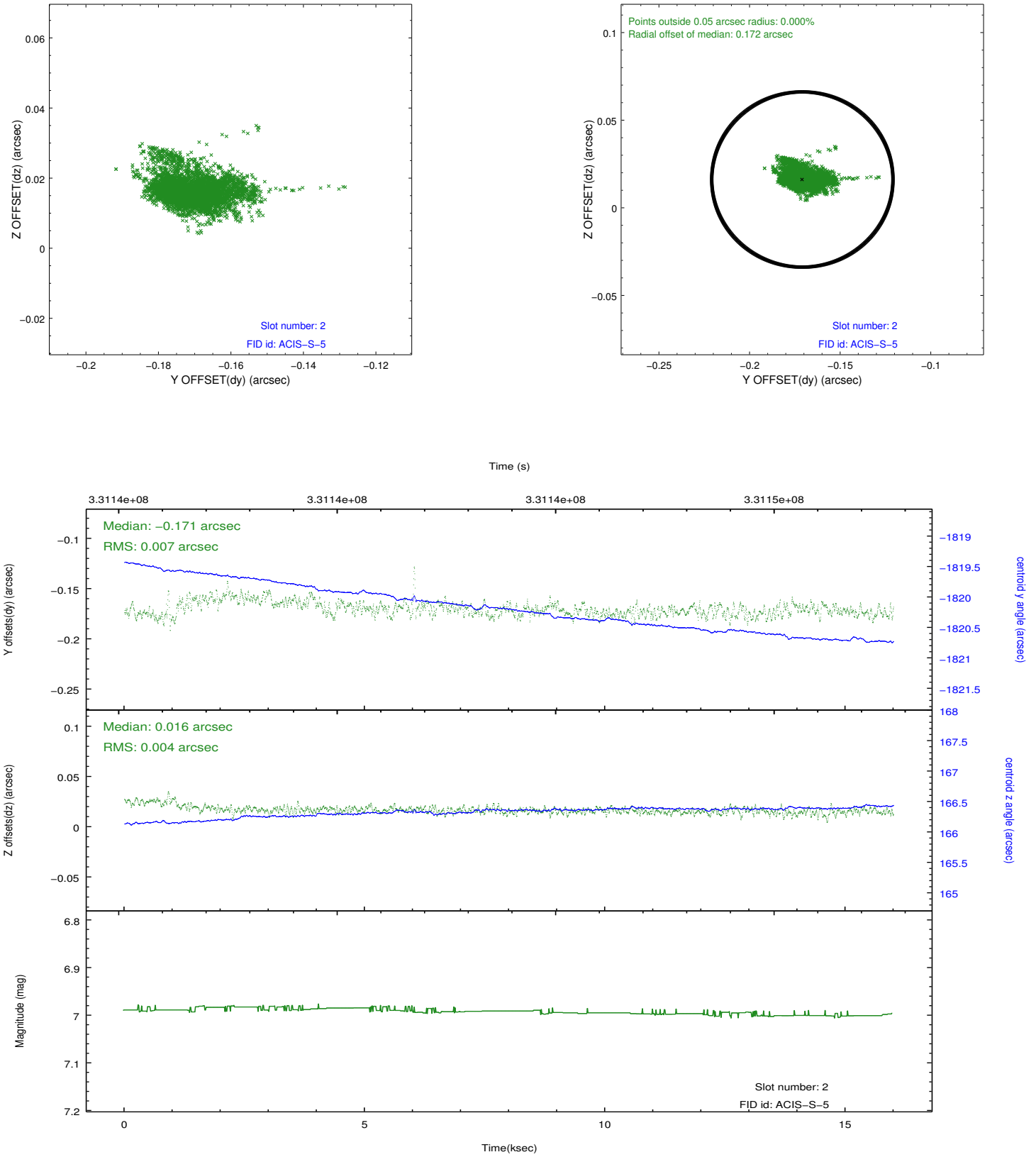
2.5.1 Slot 0



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)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.4495999

A.2 Comments