

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7802 - L2 Version 2
Chandra X-Ray Center

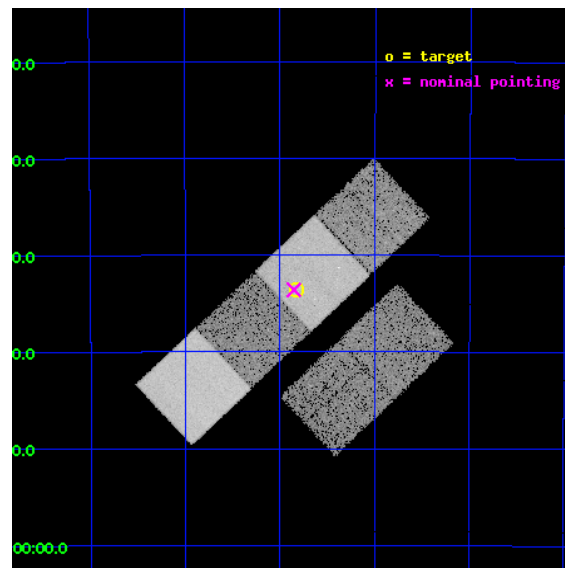
L2 Processing Date : May 8 2012

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1 Front

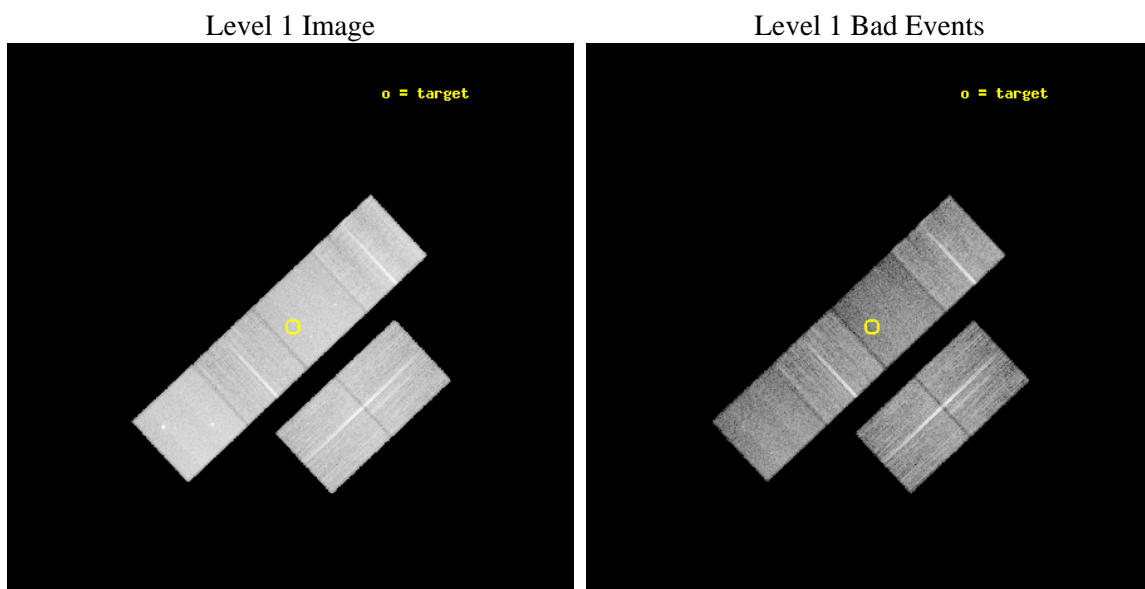
seq_num	701466	Sequence number
obs_id	7802	Observation id
title	The Chandra-RBGS Survey of a Complete Sample of Luminous Infrared Galaxies	Proposal title
observer	Professor David Sanders	Principal investigator
object	ESO 203-IG001	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	71.70625	Observer's specified target RA [deg]
dec_targ	-48.559139	Observer's specified target Dec [deg]
ra_nom	71.713442129843	Nominal RA [deg]
dec_nom	-48.560079044611	Nominal Dec [deg]
roll_nom	316.73231733067	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15043.199944019	Sum of GTIs [s]
livetime	14852.713888401	Livetime [s]
ontime2	15043.199944019	Sum of GTIs [s]
ontime3	15039.958943725	Sum of GTIs [s]
ontime5	15043.199944019	Sum of GTIs [s]
ontime6	15039.958943784	Sum of GTIs [s]
ontime7	15043.199944019	Sum of GTIs [s]
ontime8	15043.199944019	Sum of GTIs [s]
l2events	177015	Number of level 2 events



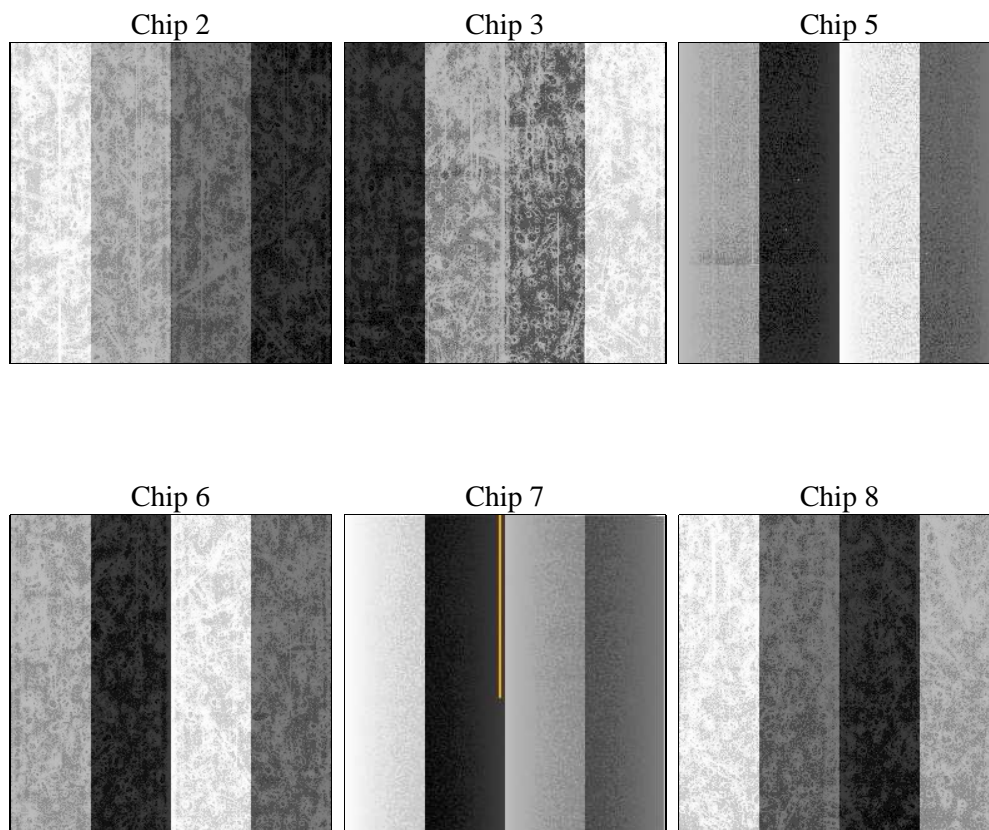
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15043.199944019	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	15043.199944019	Sum of GTIs [s]
date	2012-05-08T02:15:57	Date and time of file creation	ontime3	15039.958943725	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	15043.199944019	Sum of GTIs [s]
			ontime6	15039.958943784	Sum of GTIs [s]
			ontime7	15043.199944019	Sum of GTIs [s]
			ontime8	15043.199944019	Sum of GTIs [s]
			l1events	801575	Number of level 1 events

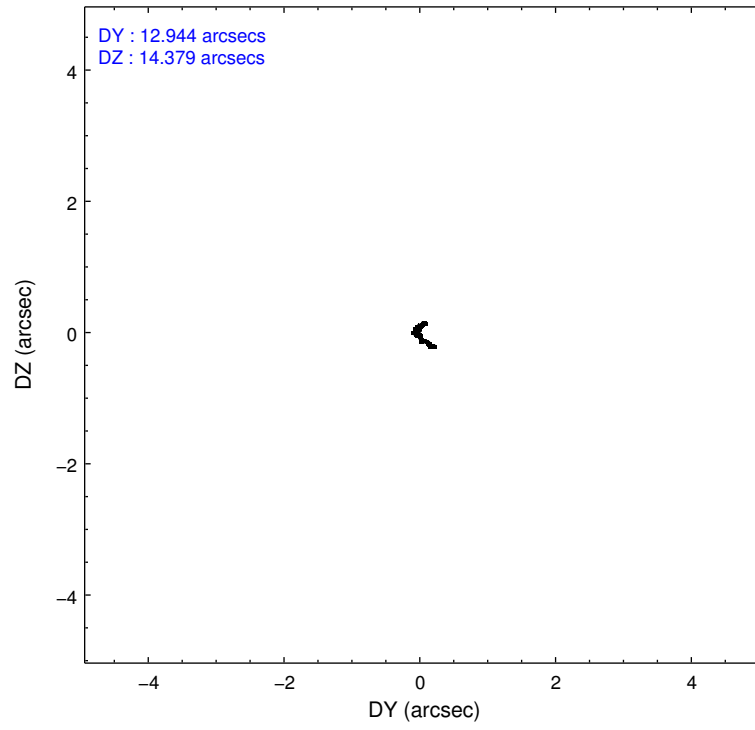
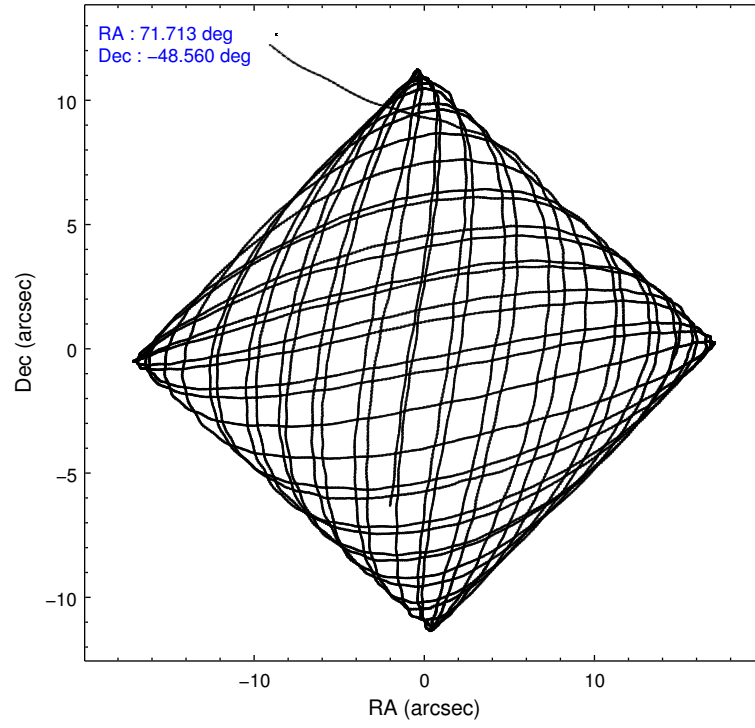
2.1.4 Events

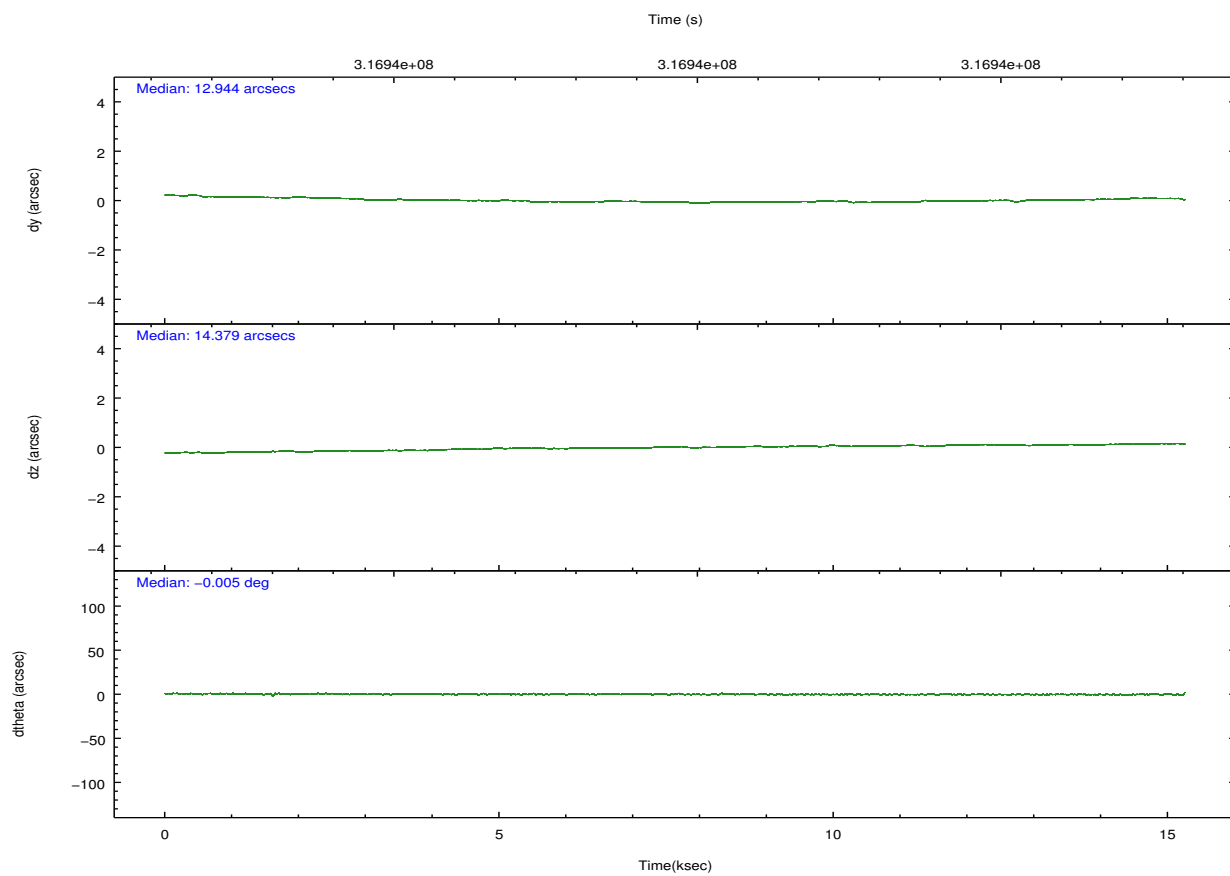
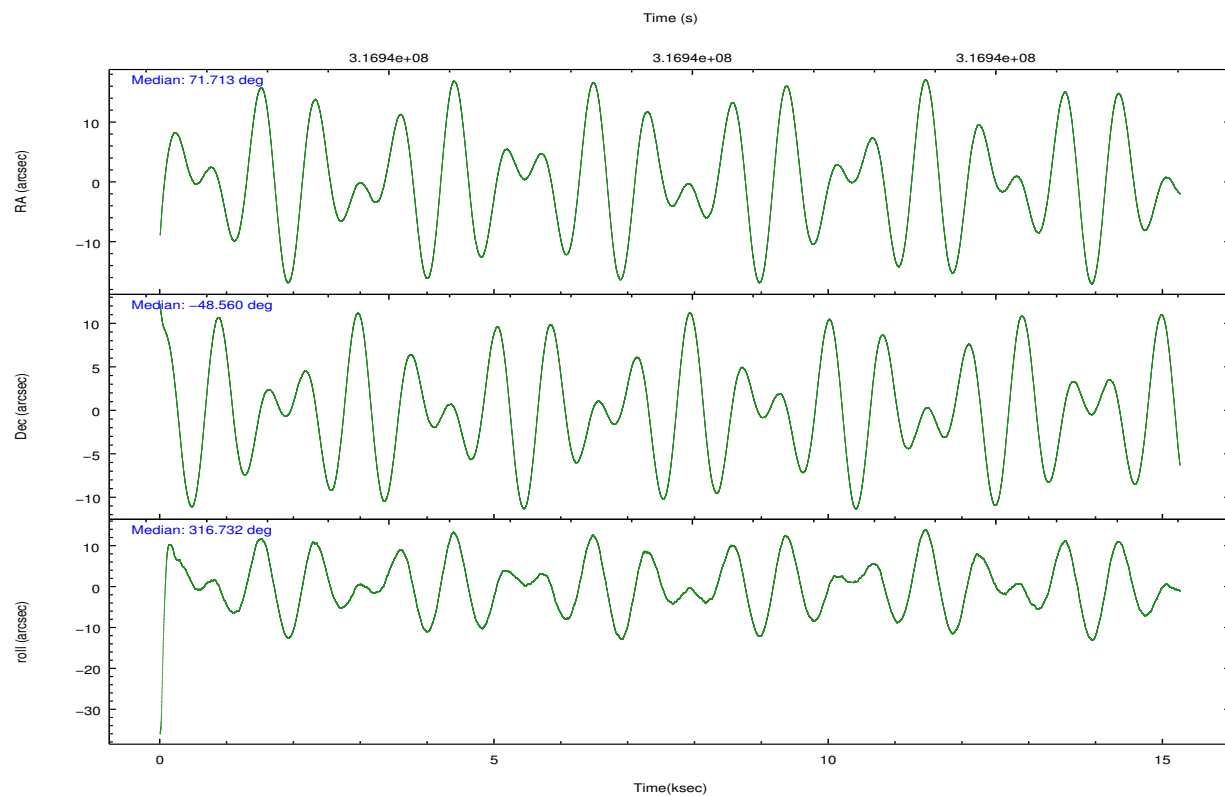
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	124063	114501	161230	118518	132292	150971	grade 0 events	3884	3781	6377	4294	5673	11059
rejected events	112597	103629	81984	106207	72167	114233		3%	3%	3%	3%	4%	7%
rejected %	90%	90%	50%	89%	54%	75%	grade 1 events	74	71	381	63	160	138
								0%	0%	0%	0%	0%	0%
							grade 2 events	2832	2334	23648	2829	11946	8416
								2%	2%	14%	2%	9%	5%
							grade 3 events	1318	1279	3367	1303	5472	3883
								1%	1%	2%	1%	4%	2%
							grade 4 events	1244	1276	3212	1290	5437	3723
								1%	1%	1%	1%	4%	2%
							grade 5 events	4052	4613	12601	4902	13929	6839
								3%	4%	7%	4%	10%	4%
							grade 6 events	2194	2203	42655	2597	31606	9697
								1%	1%	26%	2%	23%	6%
							grade 7 events	108465	98944	68989	101240	58069	107216
								87%	86%	42%	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	71.673105	71.71344212984317	CCD I2 on	O1	Y
[deg] Pointing Dec	-48.554197	-48.56007904461053	CCD I3 on	O2	Y
[deg] Pointing Roll	316.545488	316.7323173306677	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	316932262.184000	316931221.52062	CCD S5 on	N	N
Observation start date	2008-01-17T04:43:17	2008-01-17T04:27:01	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	316947262.184000	316947872.64642	On-chip summing requested	N	N
Observation end date	2008-01-17T08:53:17	2008-01-17T09:04:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



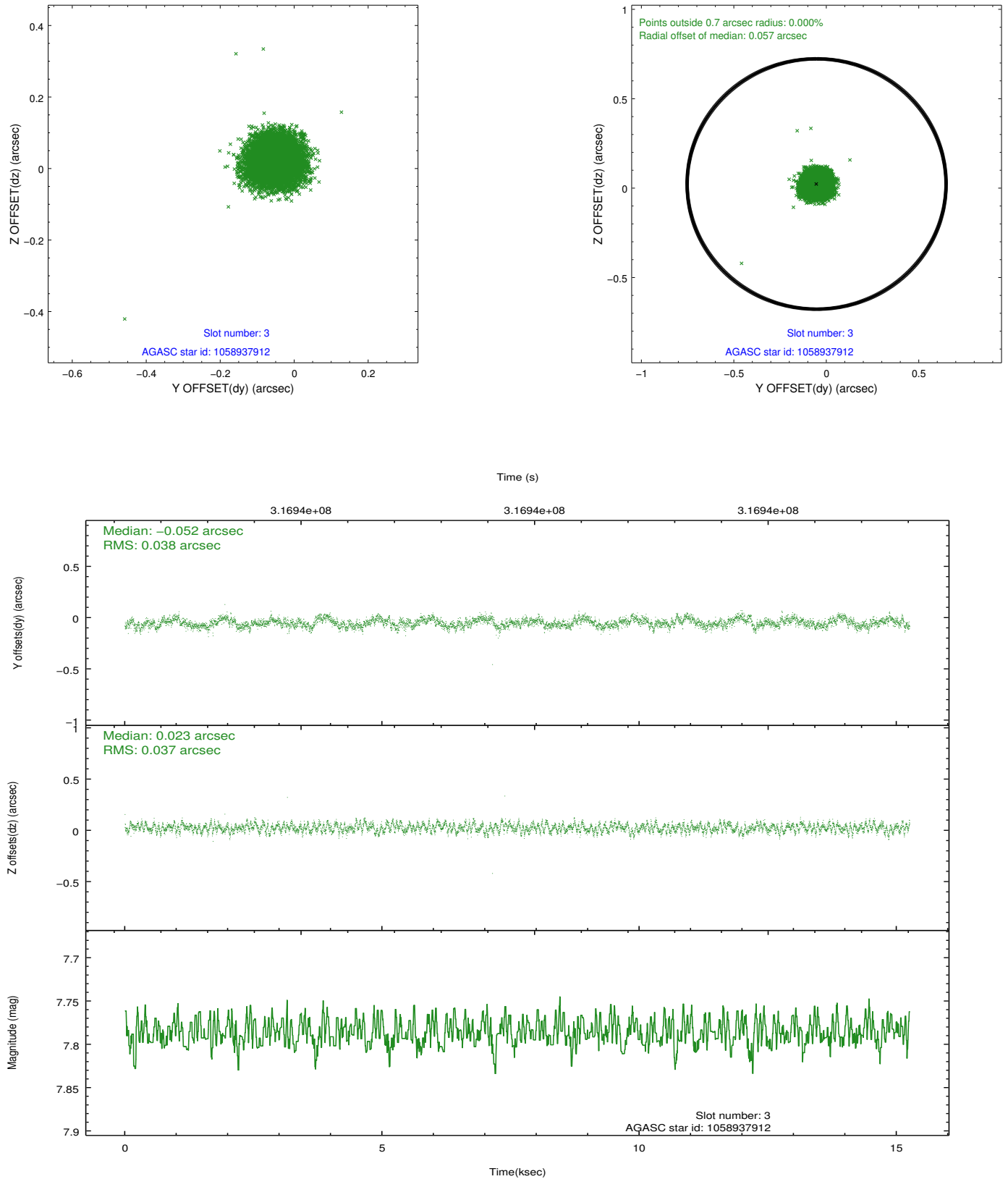


Slot Statistics

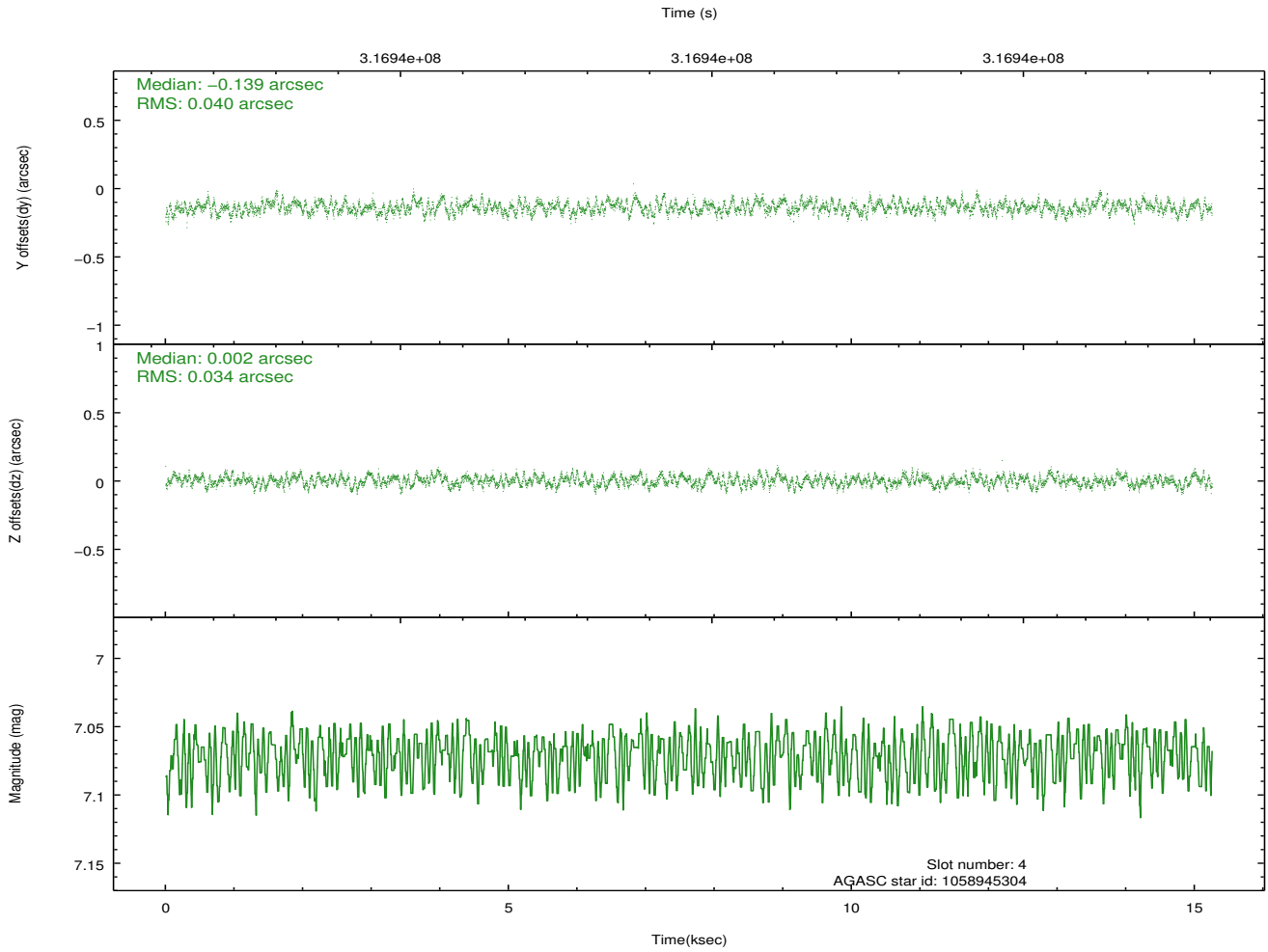
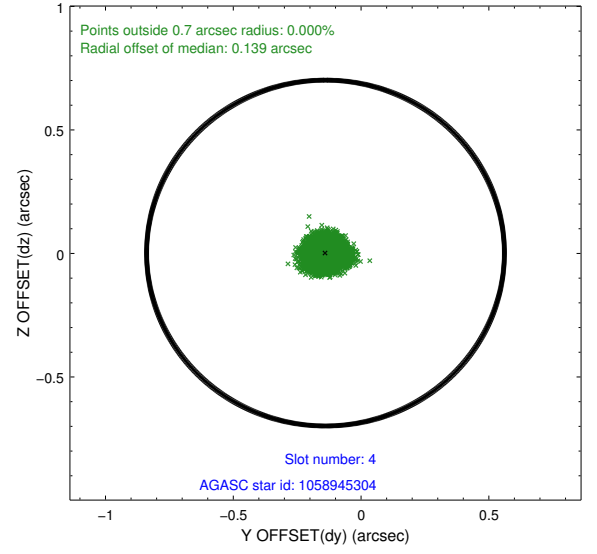
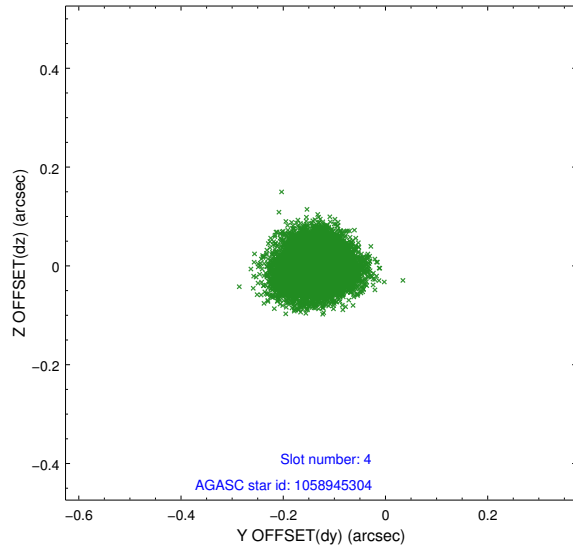
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3721	-0.051	-0.048	0.007	0.012	0.000000	0.000000	-765.90	-1735.78
1	FID	ACIS-S-4	7.19	3721	0.171	0.037	0.006	0.011	0.000000	0.000000	2147.44	172.52
2	FID	ACIS-S-5	7.23	3721	-0.151	0.019	0.007	0.013	0.000000	0.000000	-1818.49	166.46
3	GUIDE	1058937912	7.79	7441	-0.052	0.023	0.056	0.088	70.902427	-48.304337	-1951.61	-622.55
4	GUIDE	1058945304	7.07	7443	-0.139	0.002	0.057	0.087	70.956607	-48.326969	-1803.46	-589.82
5	GUIDE	1059062696	9.12	7441	0.086	-0.092	0.074	0.121	71.474199	-48.035604	-1631.32	1024.27
6	GUIDE	1059066160	7.12	7443	-0.116	0.011	0.051	0.087	71.539775	-49.245846	1485.46	-2022.48
7	GUIDE	1059065104	9.20	7437	0.219	0.053	0.105	0.170	72.160492	-49.169969	2360.87	-822.89

2.4 Star Slots

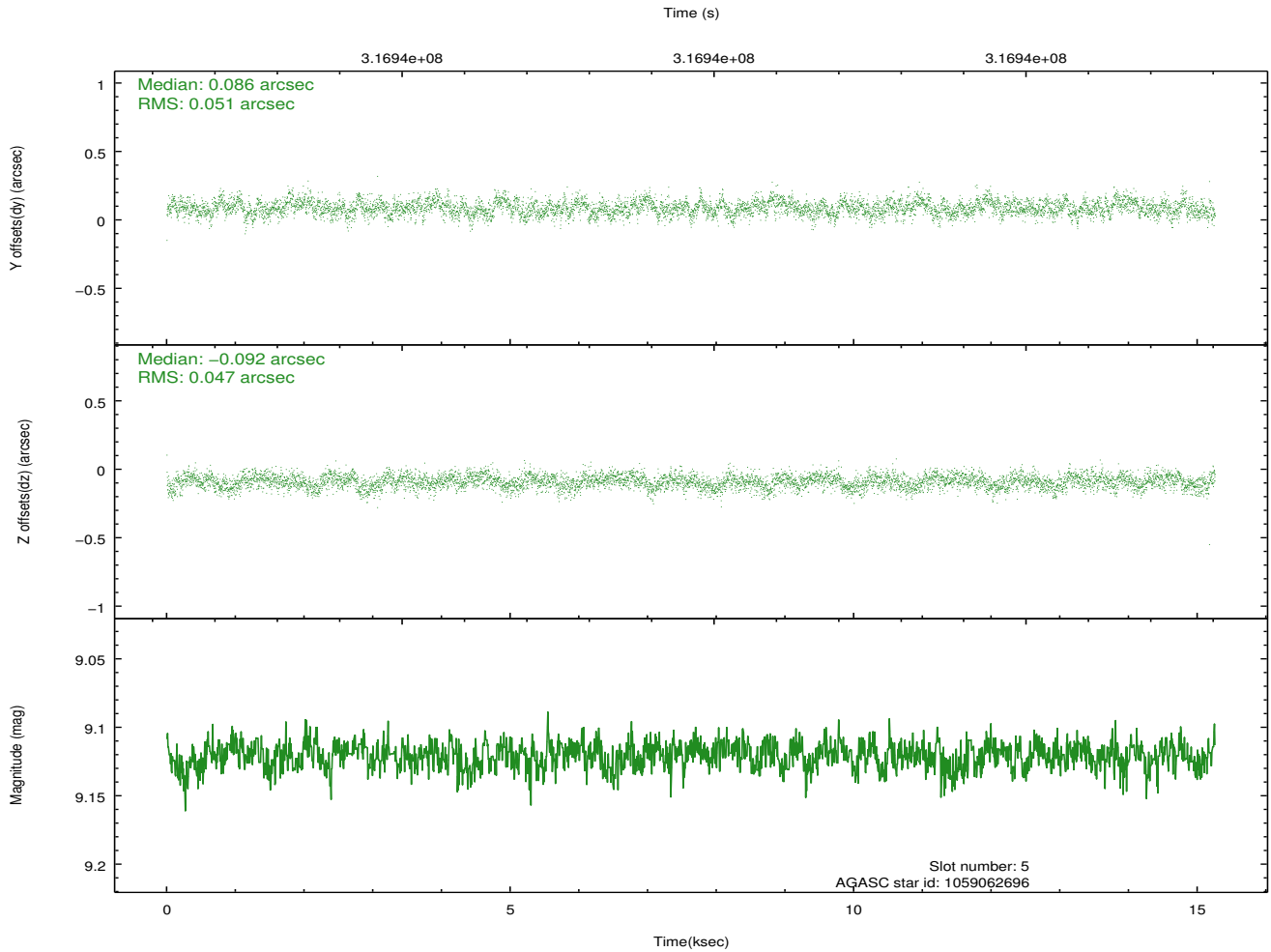
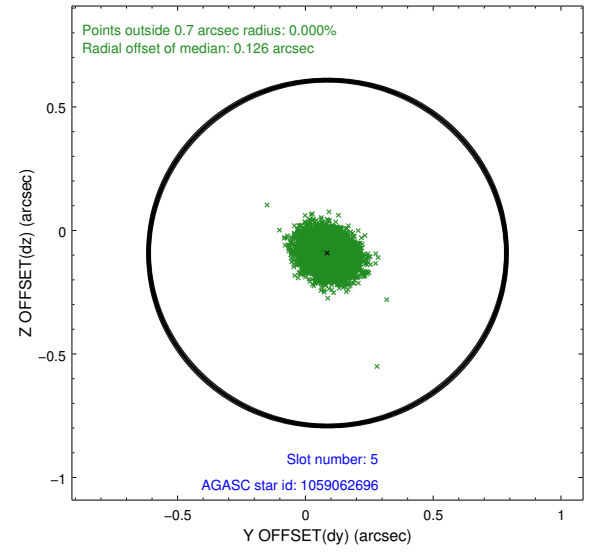
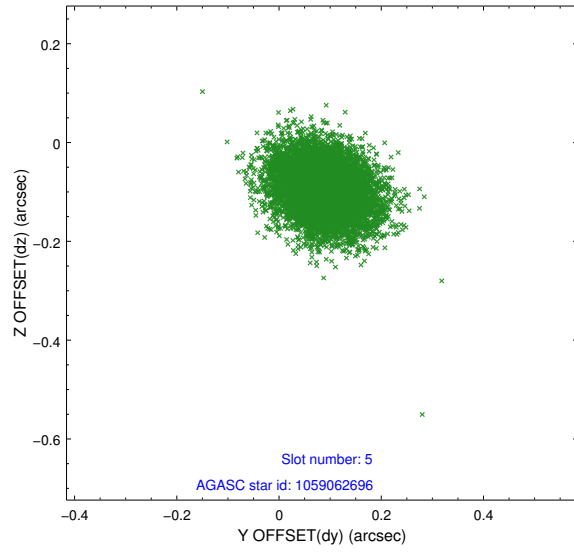
2.4.1 Slot 3



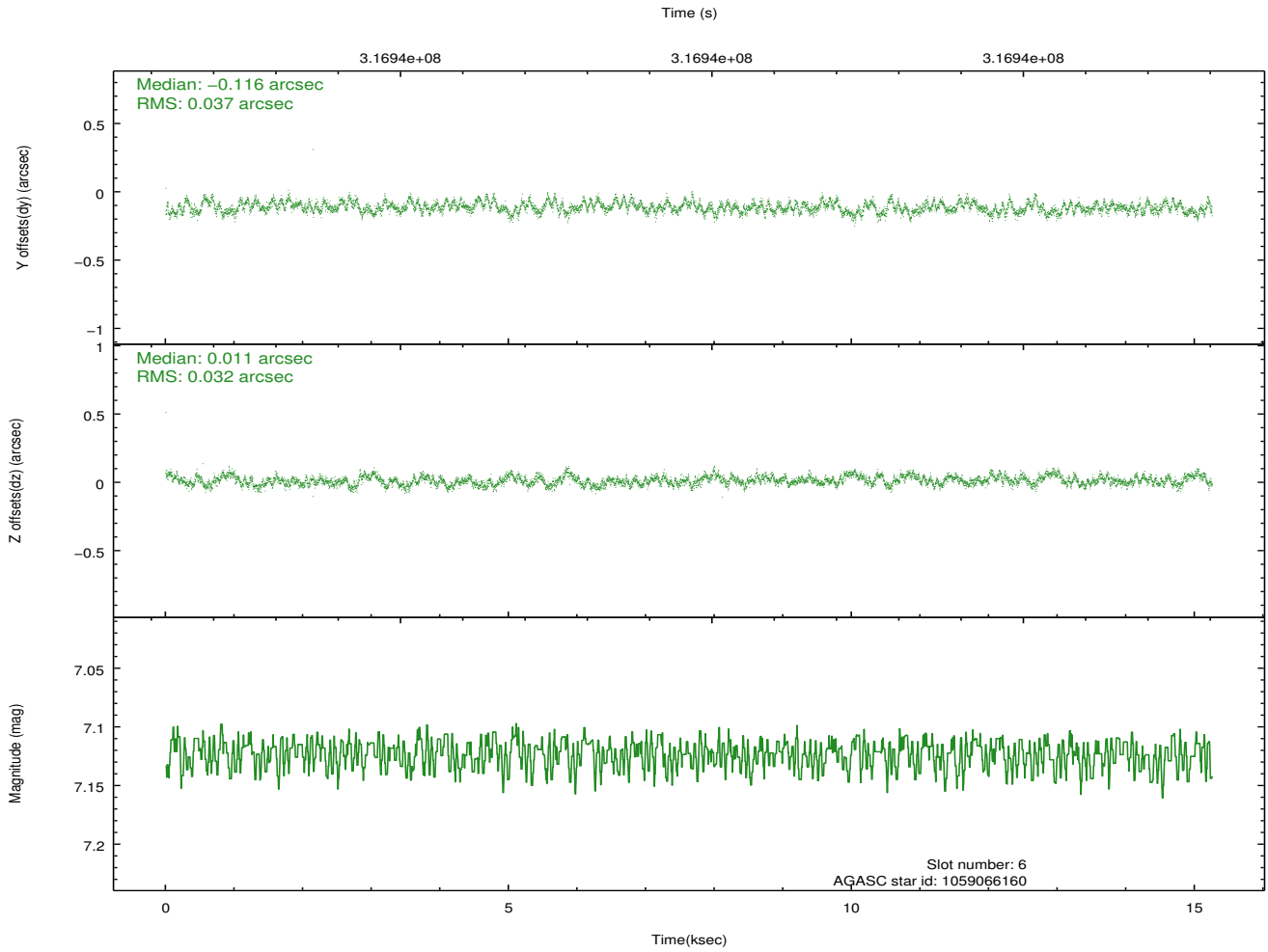
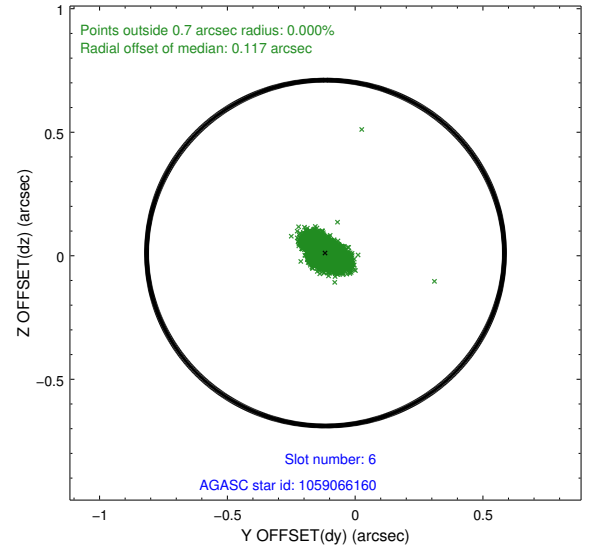
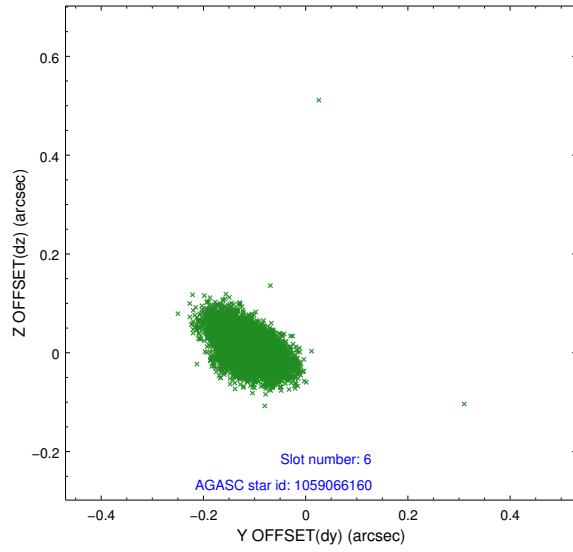
2.4.2 Slot 4



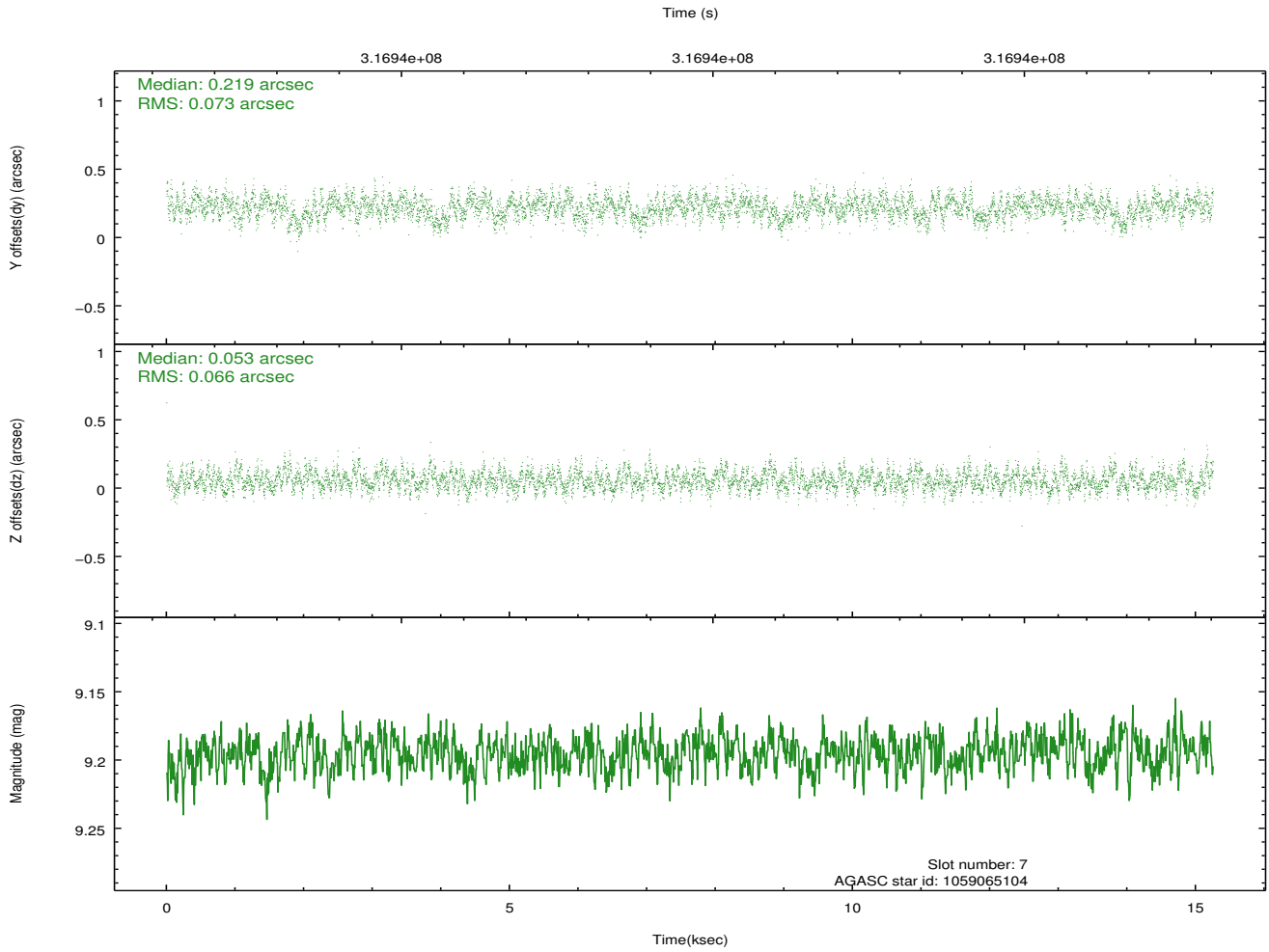
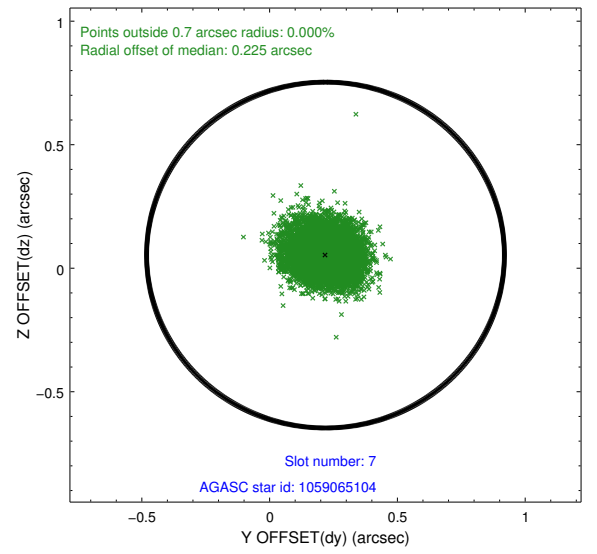
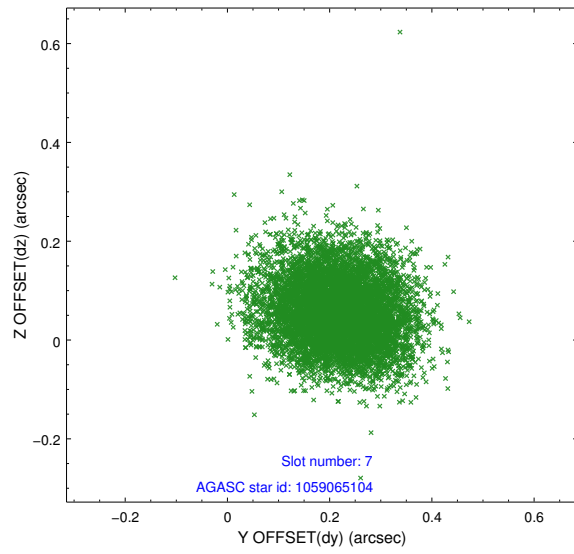
2.4.3 Slot 5



2.4.4 Slot 6

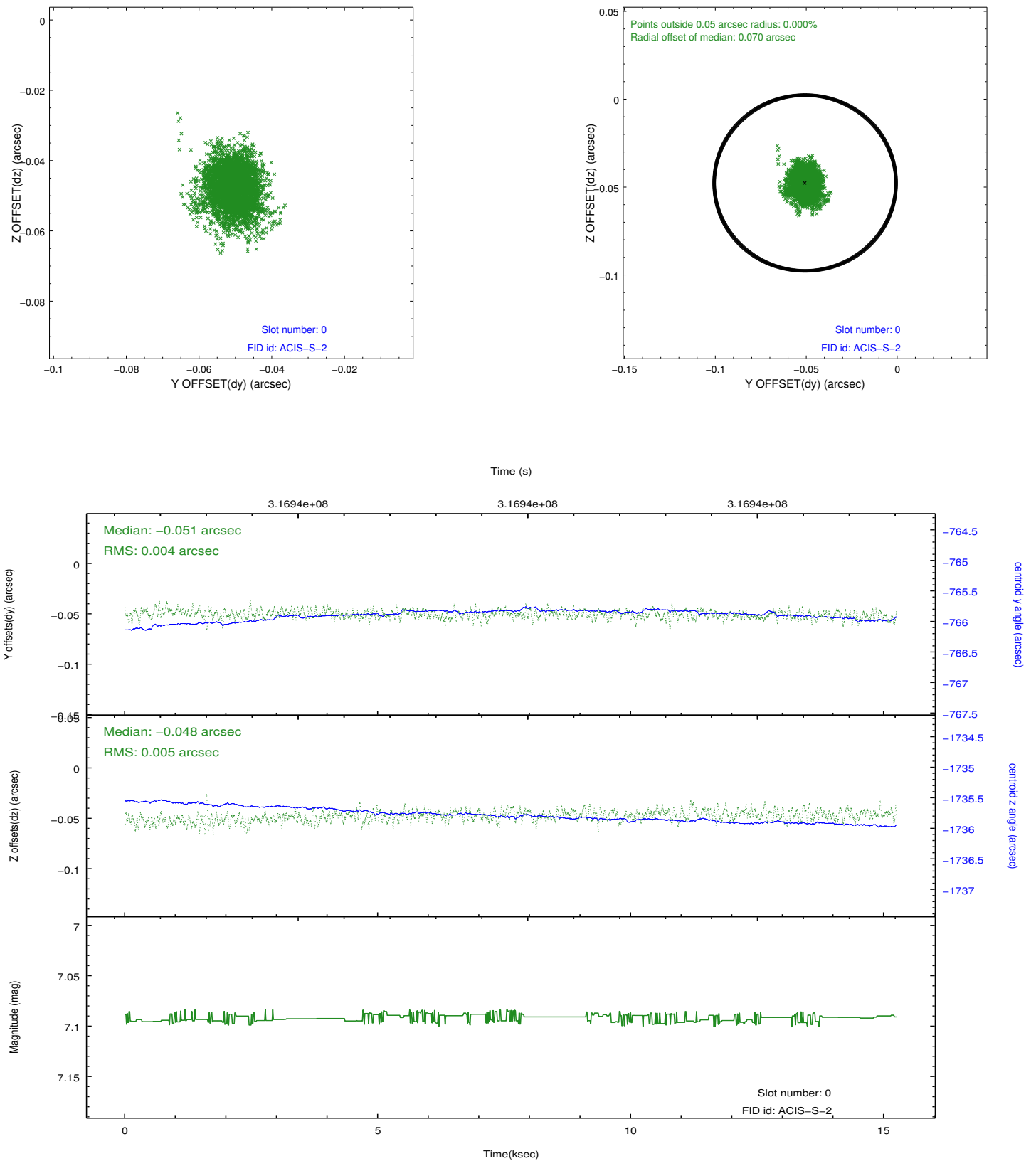


2.4.5 Slot 7

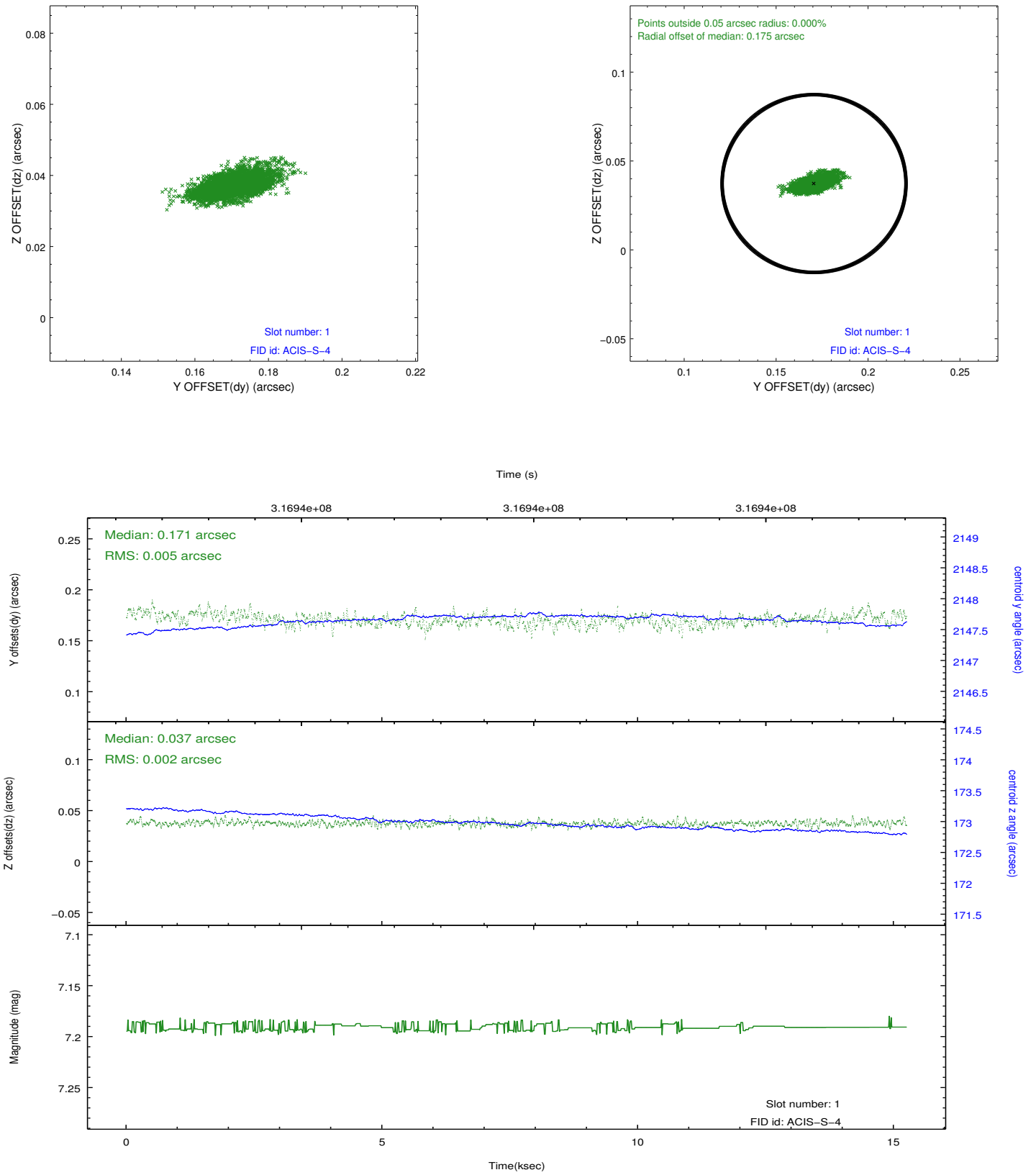


2.5 FID Slots

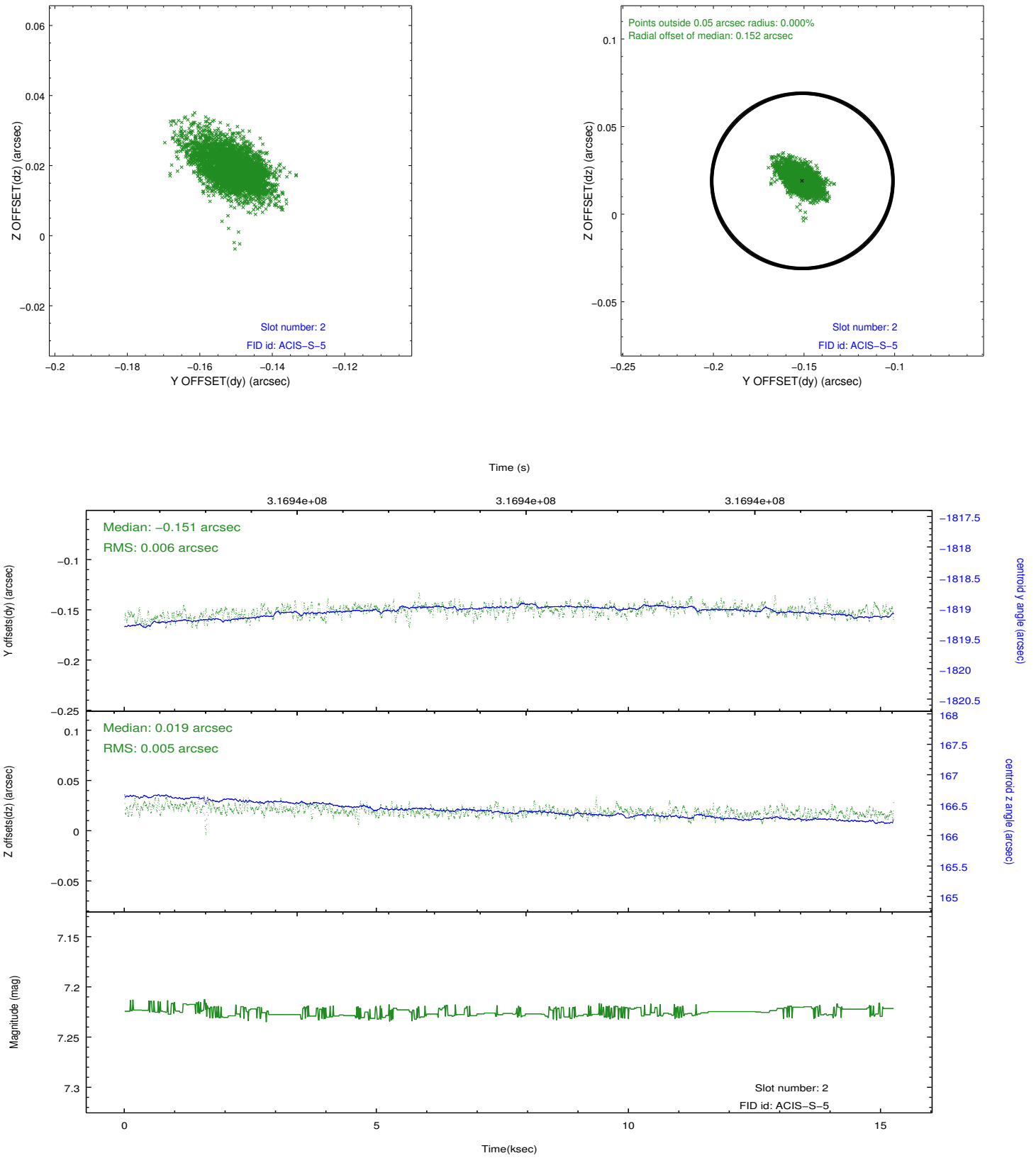
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0431999

A.2 Comments