

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9595 - L2 Version 2
Chandra X-Ray Center

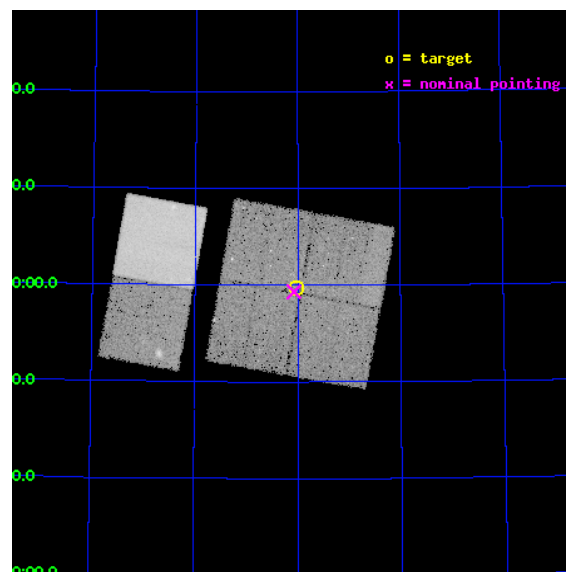
L2 Processing Date : May 1 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

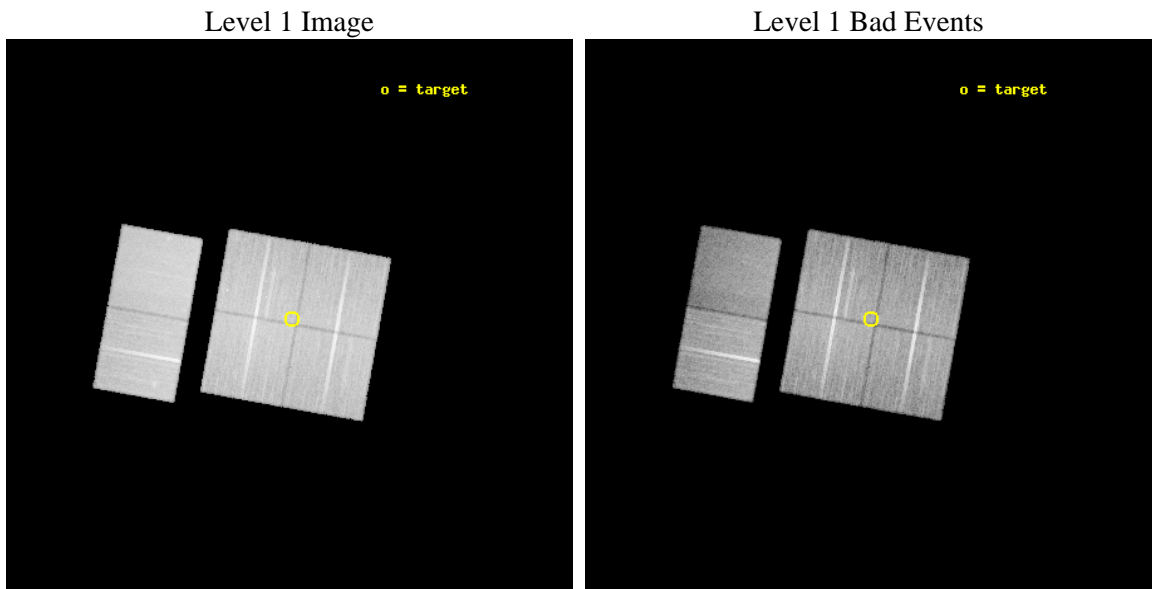
seq_num	701345	Sequence number
obs_id	9595	Observation id
title	70 Micron MIPS and Chandra ACIS-I Imaging of the IRAC Dark Field: Infrared AGN	Proposal title
observer	Dr. Jason Surace	Principal investigator
object	IRAC Dark Field	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.008333	Observer's specified target RA [deg]
dec_targ	68.995833	Observer's specified target Dec [deg]
ra_nom	265.01875541865	Nominal RA [deg]
dec_nom	68.988651055466	Nominal Dec [deg]
roll_nom	280.19897188317	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27714.999925077	Sum of GTIs [s]
livetime	27364.055908056	Livetime [s]
ontime0	27711.635814726	Sum of GTIs [s]
ontime1	27718.158815324	Sum of GTIs [s]
ontime2	27714.958895028	Sum of GTIs [s]
ontime3	27714.999925077	Sum of GTIs [s]
ontime6	27718.322975338	Sum of GTIs [s]
ontime7	27718.281935334	Sum of GTIs [s]
l2events	202788	Number of level 2 events



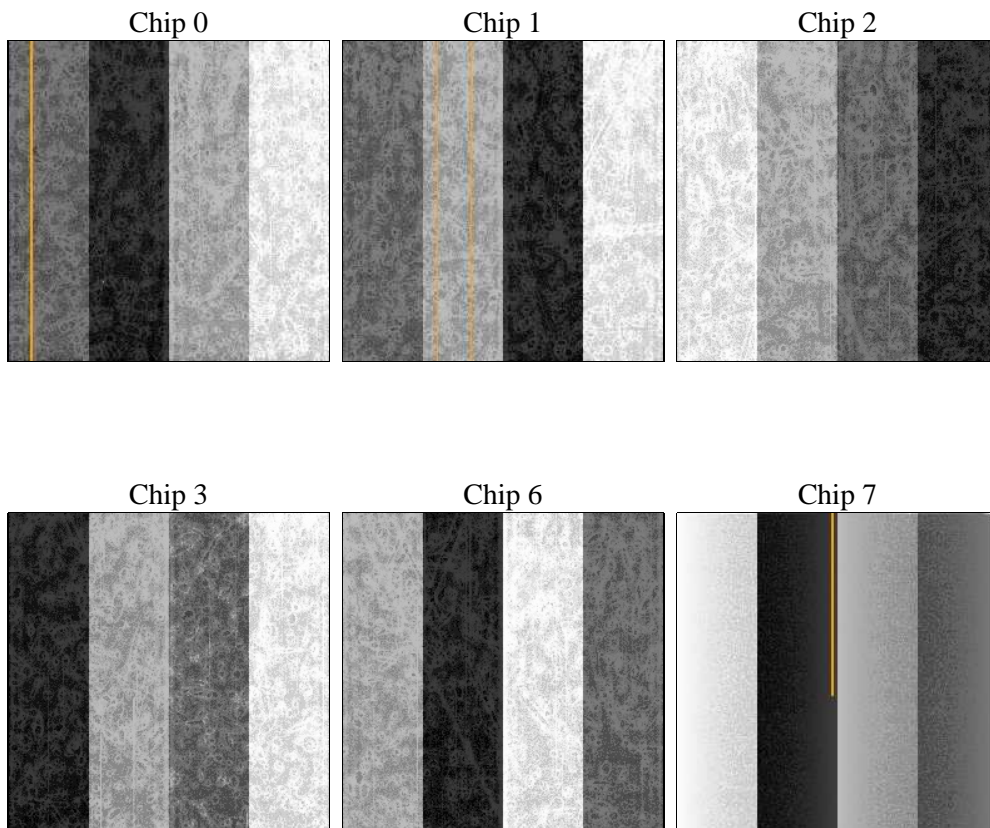
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	27600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	27714.999925077	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	27711.635814726	Sum of GTIs [s]
date	2012-05-01T22:47:31	Date and time of file creation	ontime1	27718.158815324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	27714.958895028	Sum of GTIs [s]
			ontime3	27714.999925077	Sum of GTIs [s]
			ontime6	27718.322975338	Sum of GTIs [s]
			ontime7	27718.281935334	Sum of GTIs [s]
			l1events	1338927	Number of level 1 events

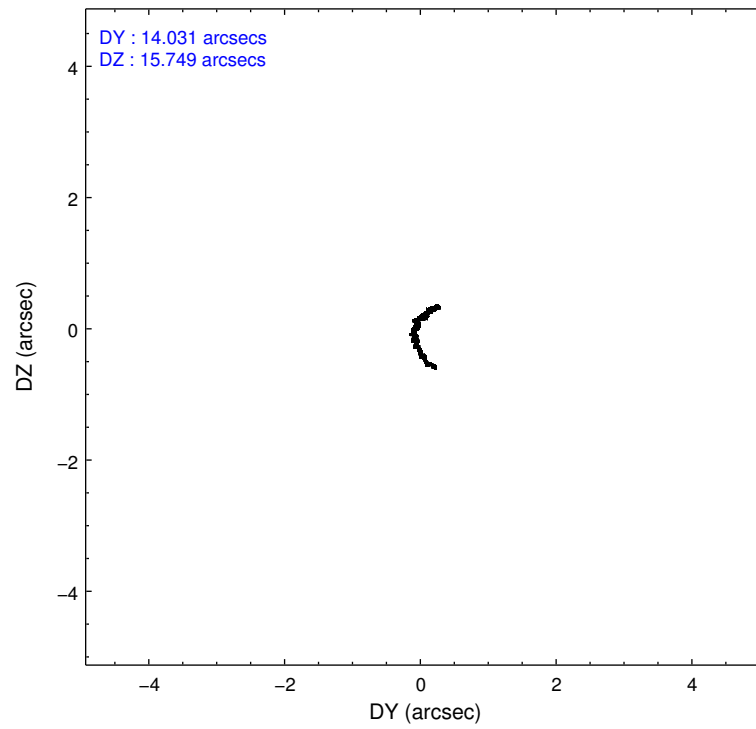
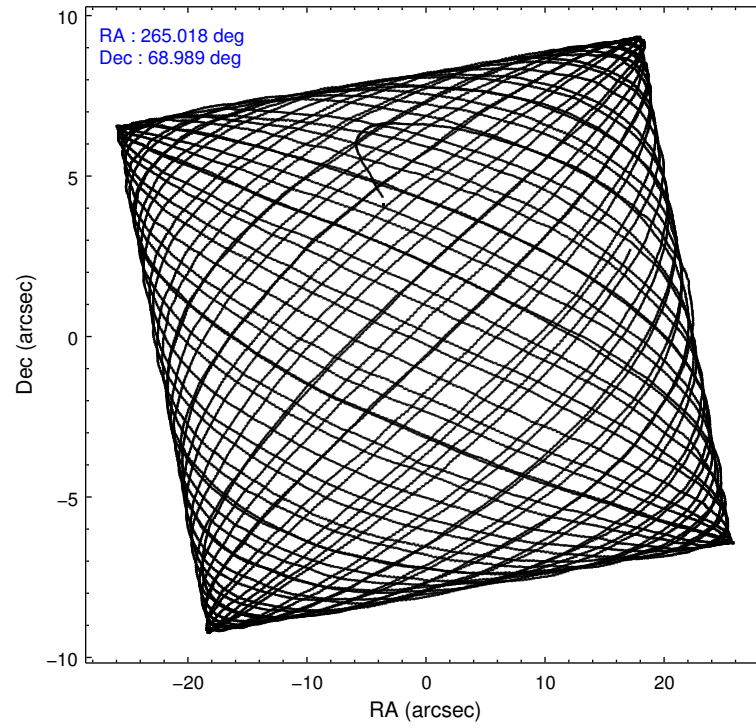
2.1.4 Events

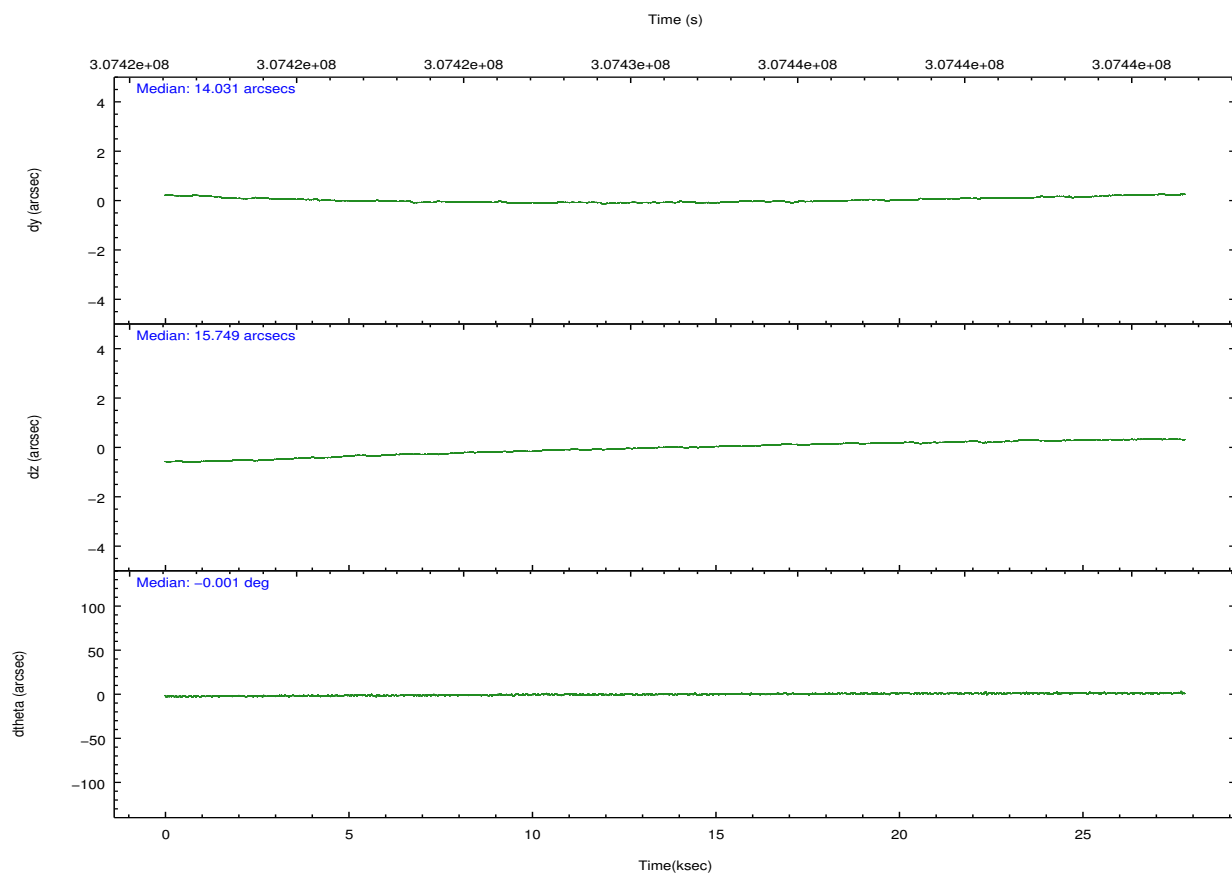
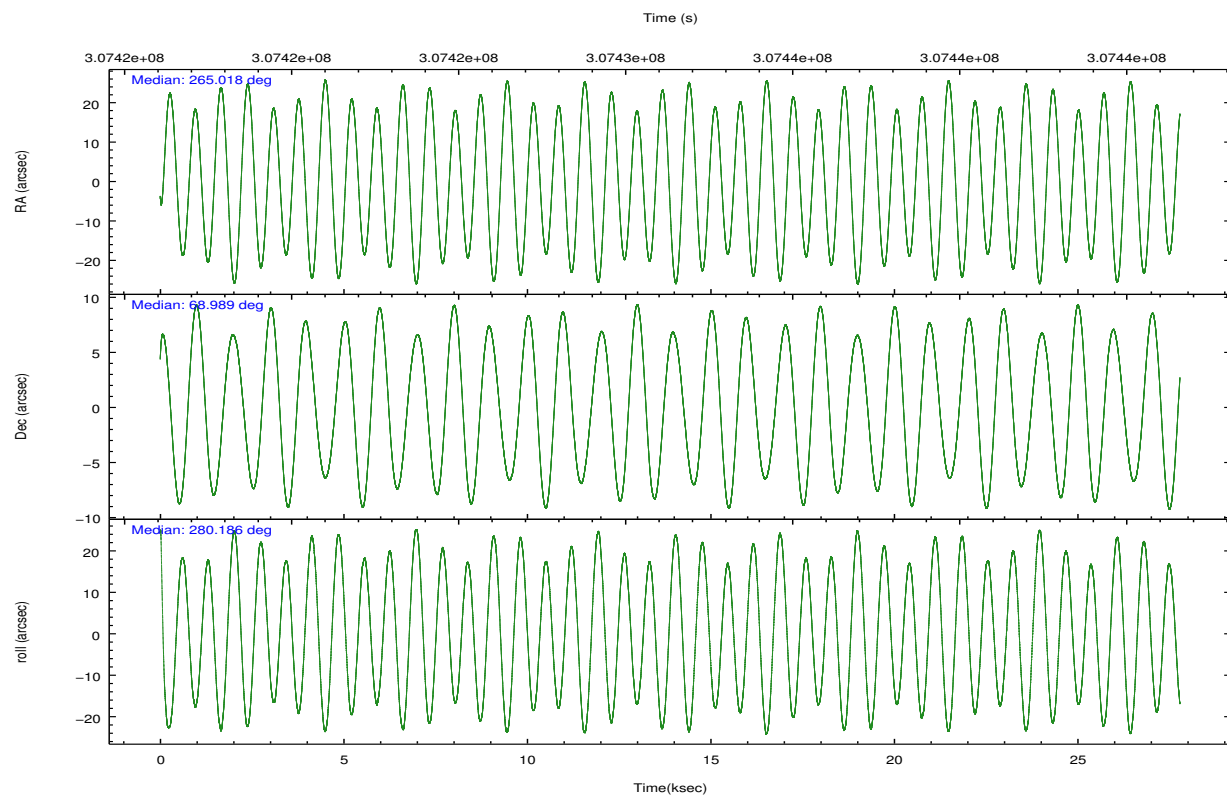
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	206942	203677	232122	218547	231600	246039	grade 0 events	7616	8969	7743	7702	8350	10641
rejected events	185038	179024	210642	197652	208119	133323		3%	4%	3%	3%	3%	4%
rejected %	89%	87%	90%	90%	89%	54%	grade 1 events	112	98	144	131	115	292
								0%	0%	0%	0%	0%	0%
							grade 2 events	5369	5424	5227	4451	5168	22945
								2%	2%	2%	2%	2%	9%
							grade 3 events	2453	2685	2290	2391	2529	10435
								1%	1%	0%	1%	1%	4%
							grade 4 events	2265	2676	2380	2258	2445	10516
								1%	1%	1%	1%	1%	4%
							grade 5 events	7341	8255	7044	8788	9063	26089
								3%	4%	3%	4%	3%	10%
							grade 6 events	4206	4908	3843	4103	4994	58211
								2%	2%	1%	1%	2%	23%
							grade 7 events	177580	170662	203451	188723	198936	106910
								85%	83%	87%	86%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	264.968969	265.0187554186489	CCD I2 on	Y	Y
[deg] Pointing Dec	69.009596	68.98865105546624	CCD I3 on	Y	Y
[deg] Pointing Roll	280.036755	280.1989718831719	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	307417618.184000	307416572.46099	CCD S5 on	N	N
Observation start date	2007-09-29T01:45:53	2007-09-29T01:29:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	307445218.184000	307446155.49992	On-chip summing requested	N	N
Observation end date	2007-09-29T09:25:53	2007-09-29T09:42:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



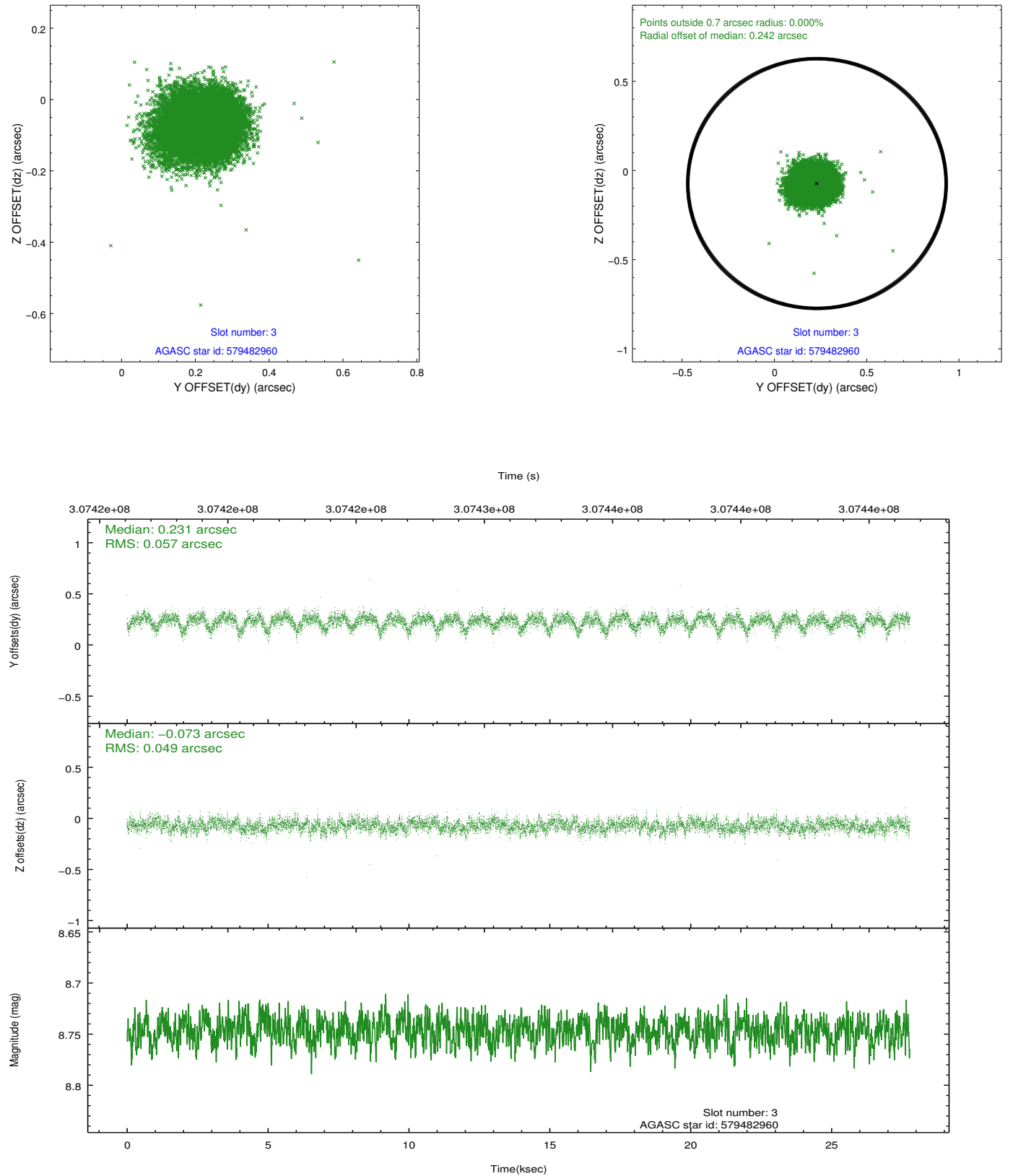


Slot Statistics

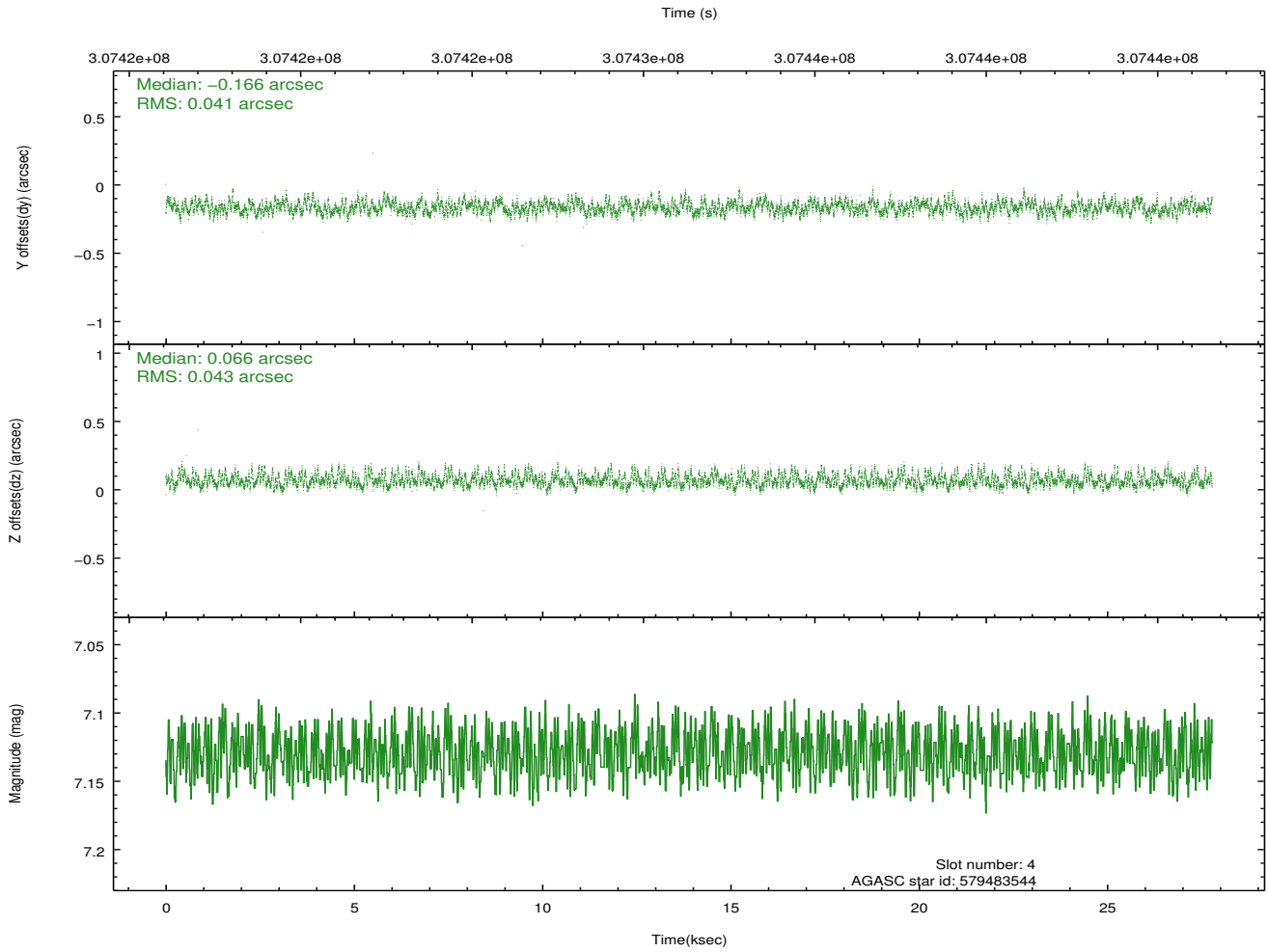
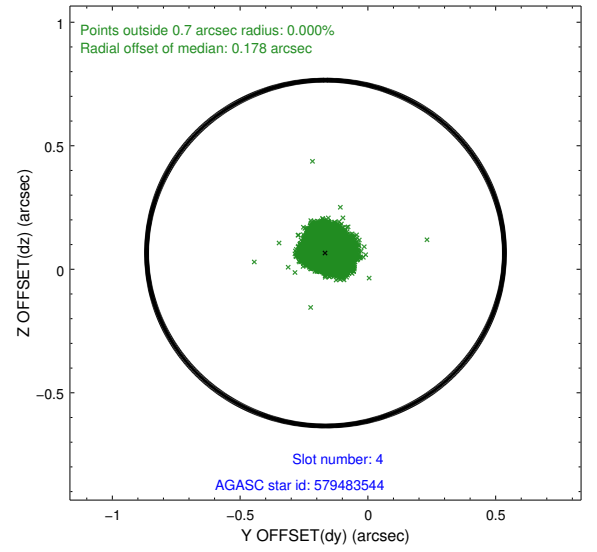
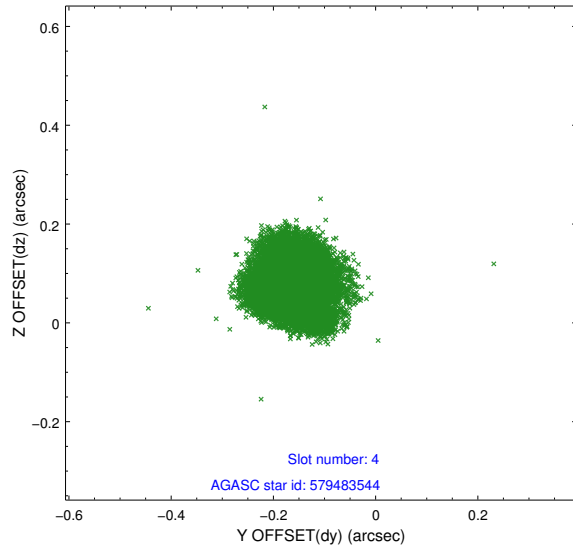
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	6778	0.059	-0.047	0.013	0.027	0.000000	0.000000	925.47	-839.38
1	FID	ACIS-I-5	7.22	6778	-0.228	0.052	0.010	0.015	0.000000	0.000000	-1822.85	1058.20
2	FID	ACIS-I-6	7.23	6778	0.078	0.065	0.010	0.018	0.000000	0.000000	390.97	1702.79
3	GUIDE	579482960	8.75	13548	0.231	-0.073	0.079	0.131	263.977730	68.805638	488.82	-1396.12
4	GUIDE	579483544	7.13	13554	-0.166	0.066	0.063	0.101	263.876838	69.297061	-1272.80	-1186.10
5	GUIDE	580399264	9.18	13544	-0.092	0.140	0.102	0.159	264.643184	68.913877	264.20	-475.16
6	GUIDE	580400336	8.64	13549	0.064	0.028	0.099	0.148	265.610160	69.133312	-299.63	888.19
7	GUIDE	580400656	7.20	13555	-0.034	-0.166	0.072	0.115	265.070460	69.150286	-476.83	217.03

2.4 Star Slots

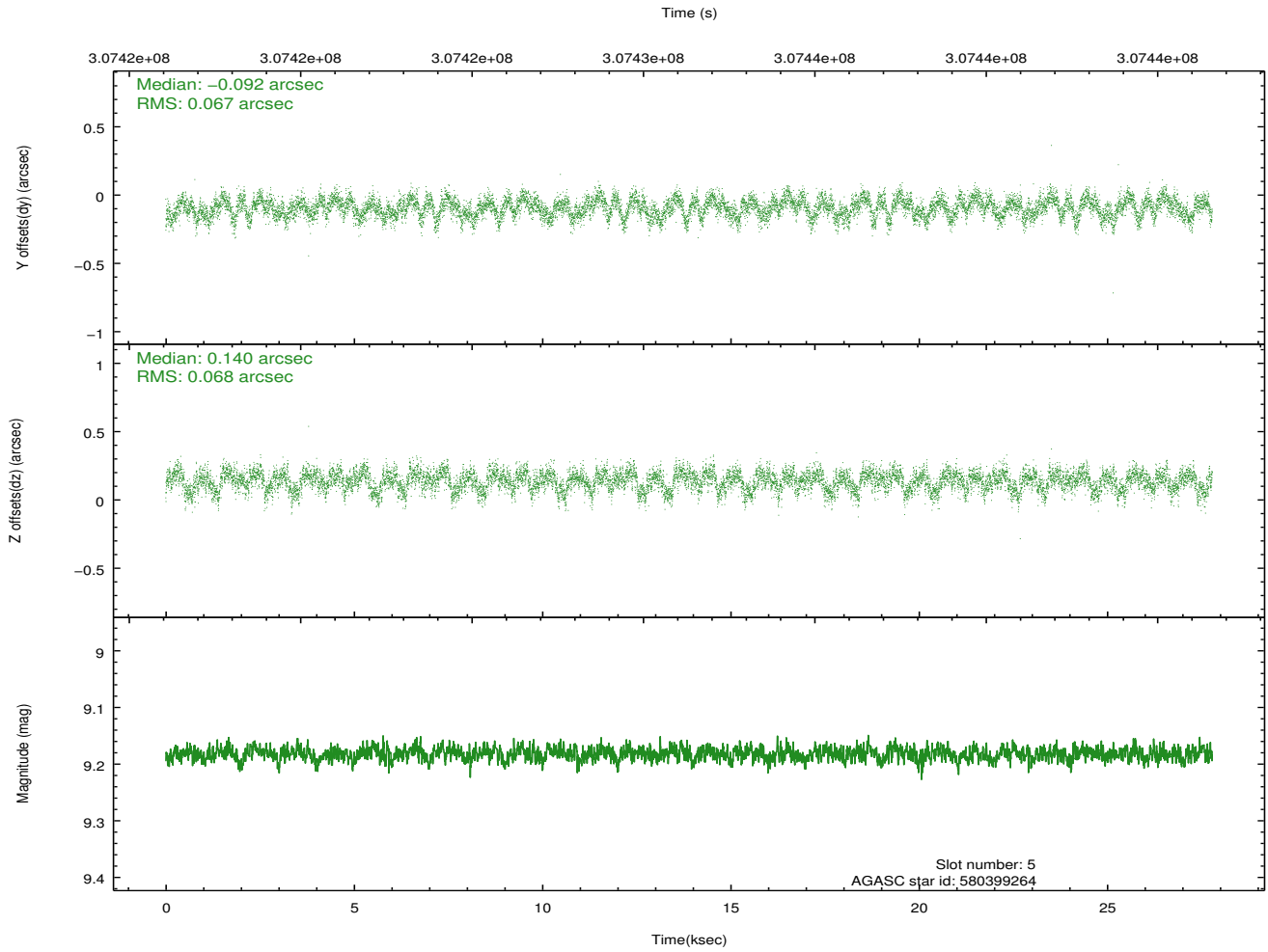
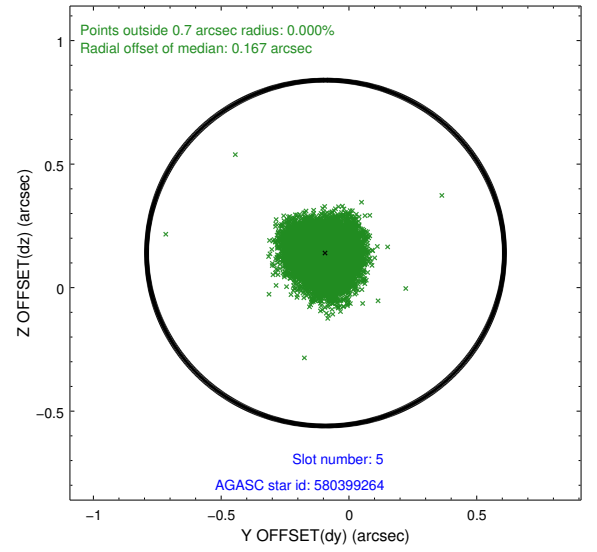
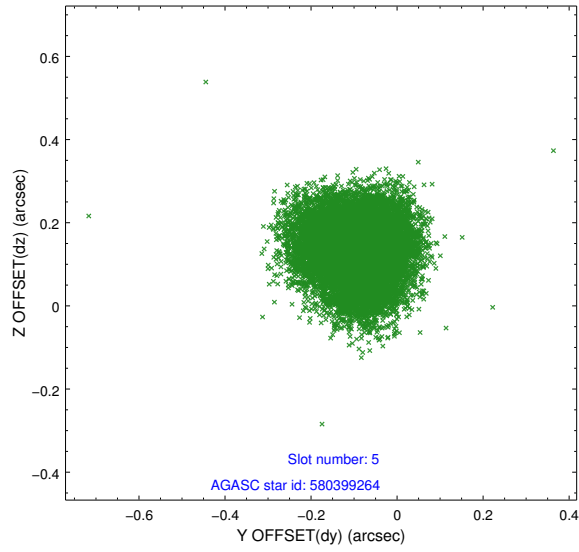
2.4.1 Slot 3



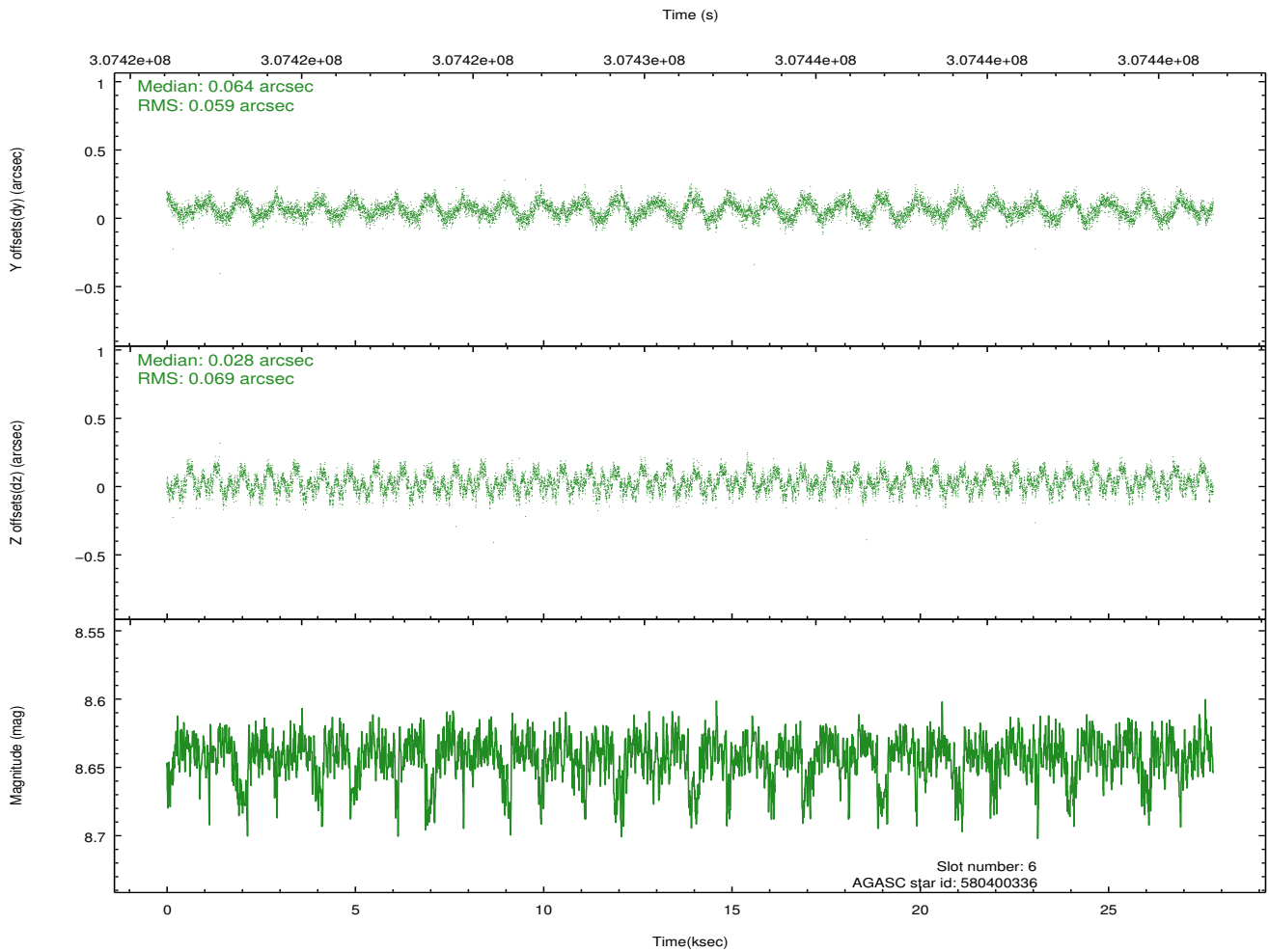
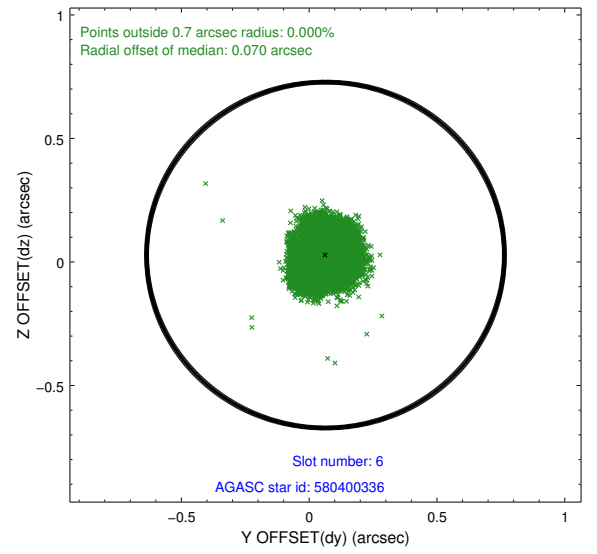
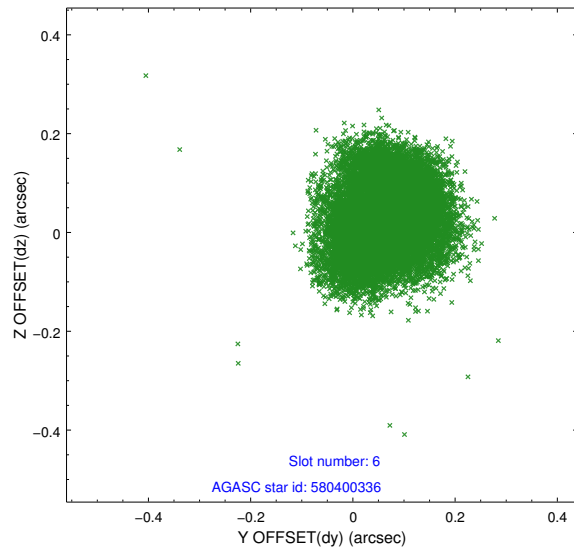
2.4.2 Slot 4



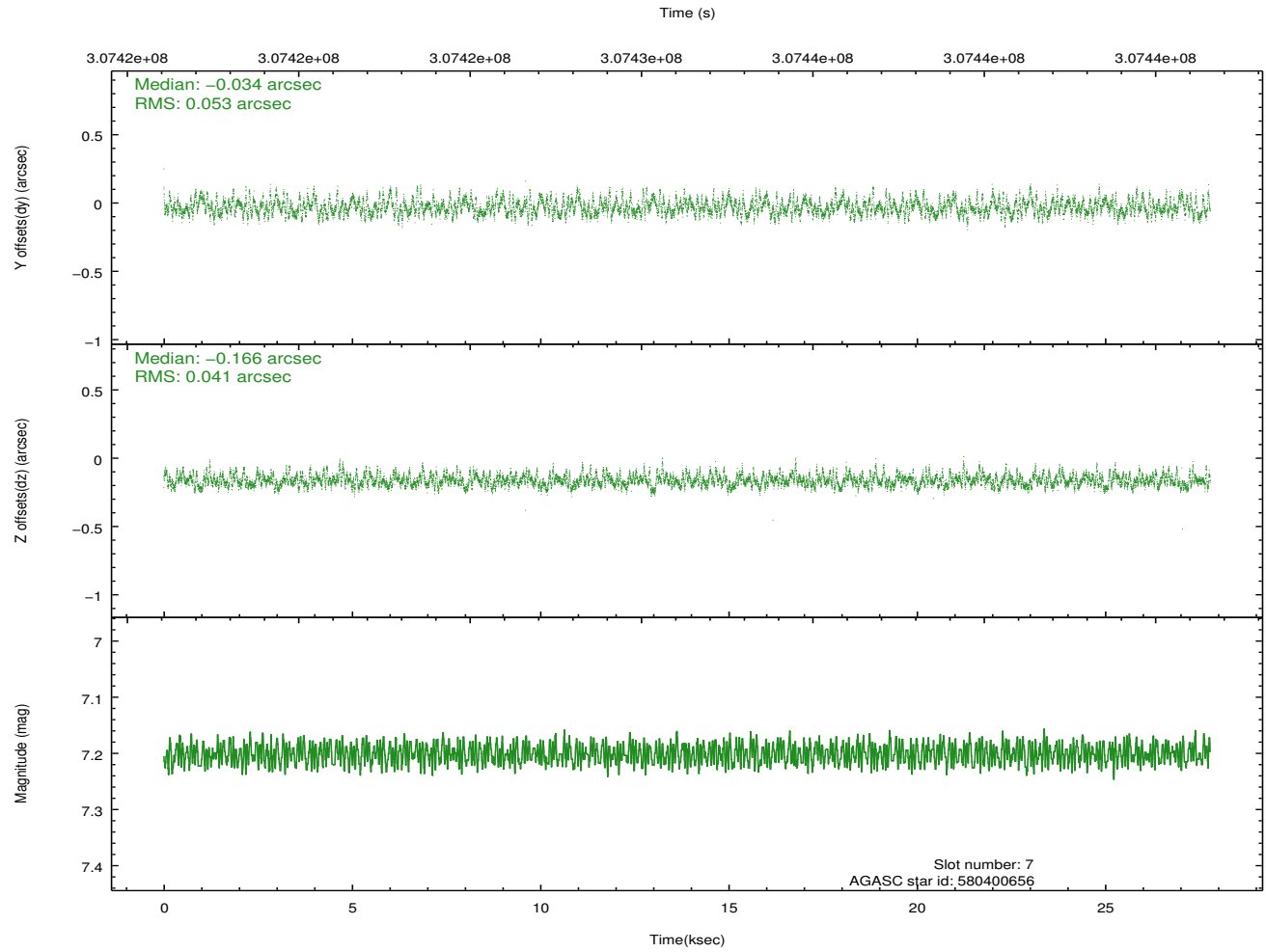
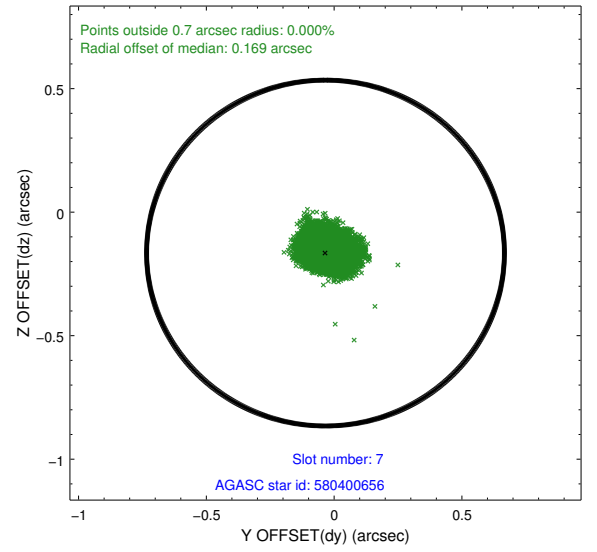
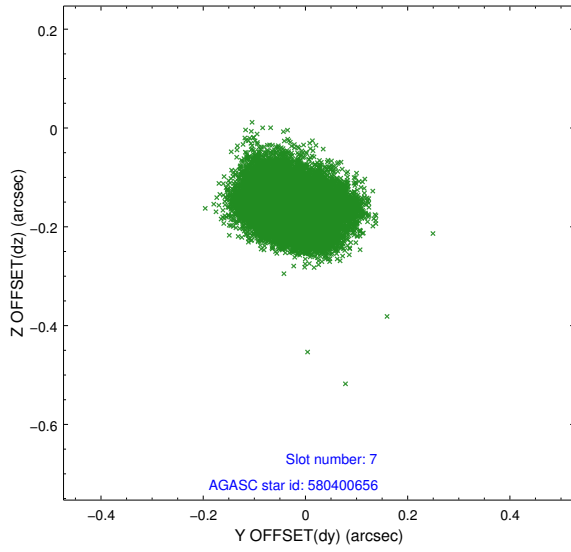
2.4.3 Slot 5



2.4.4 Slot 6

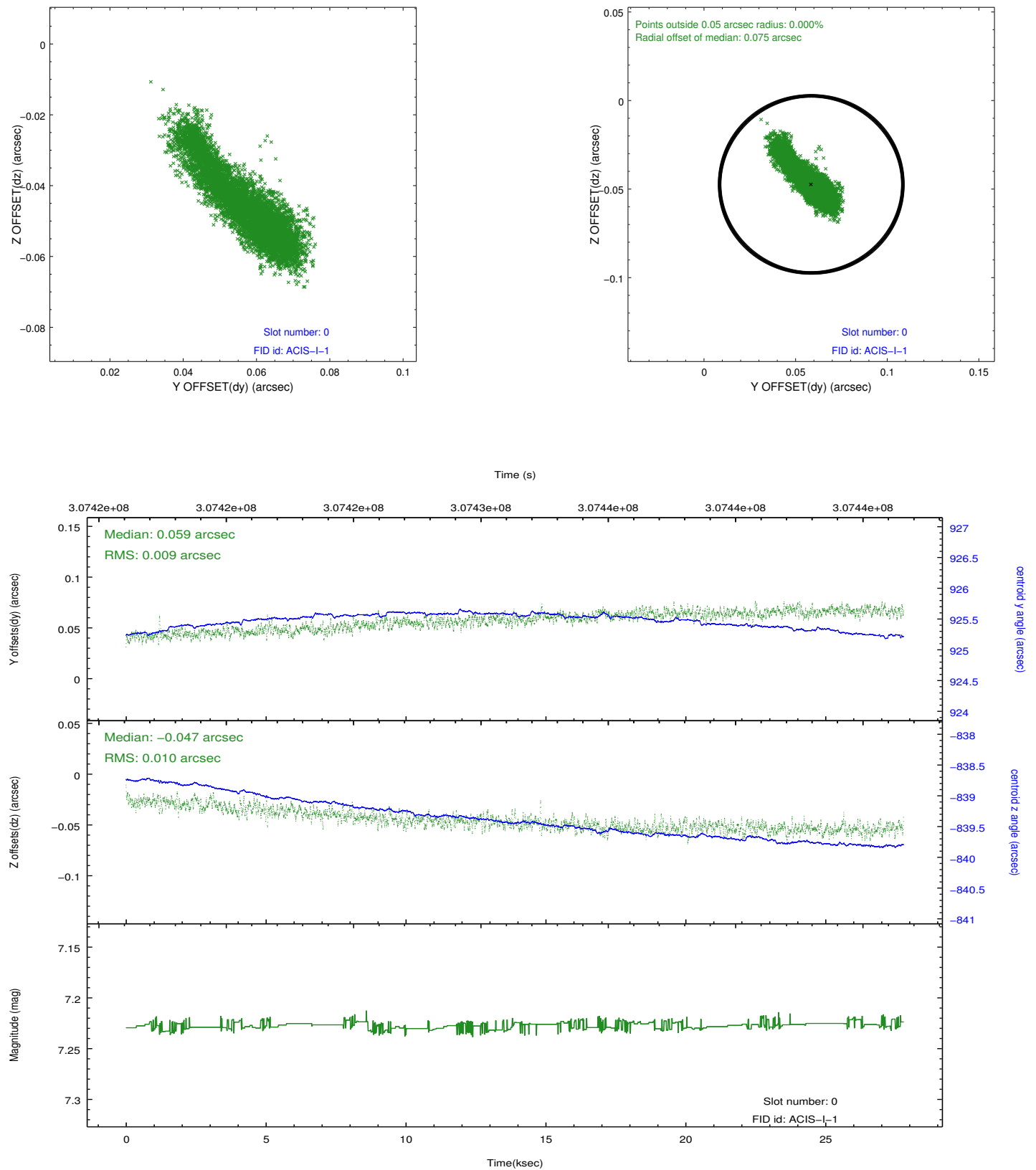


2.4.5 Slot 7

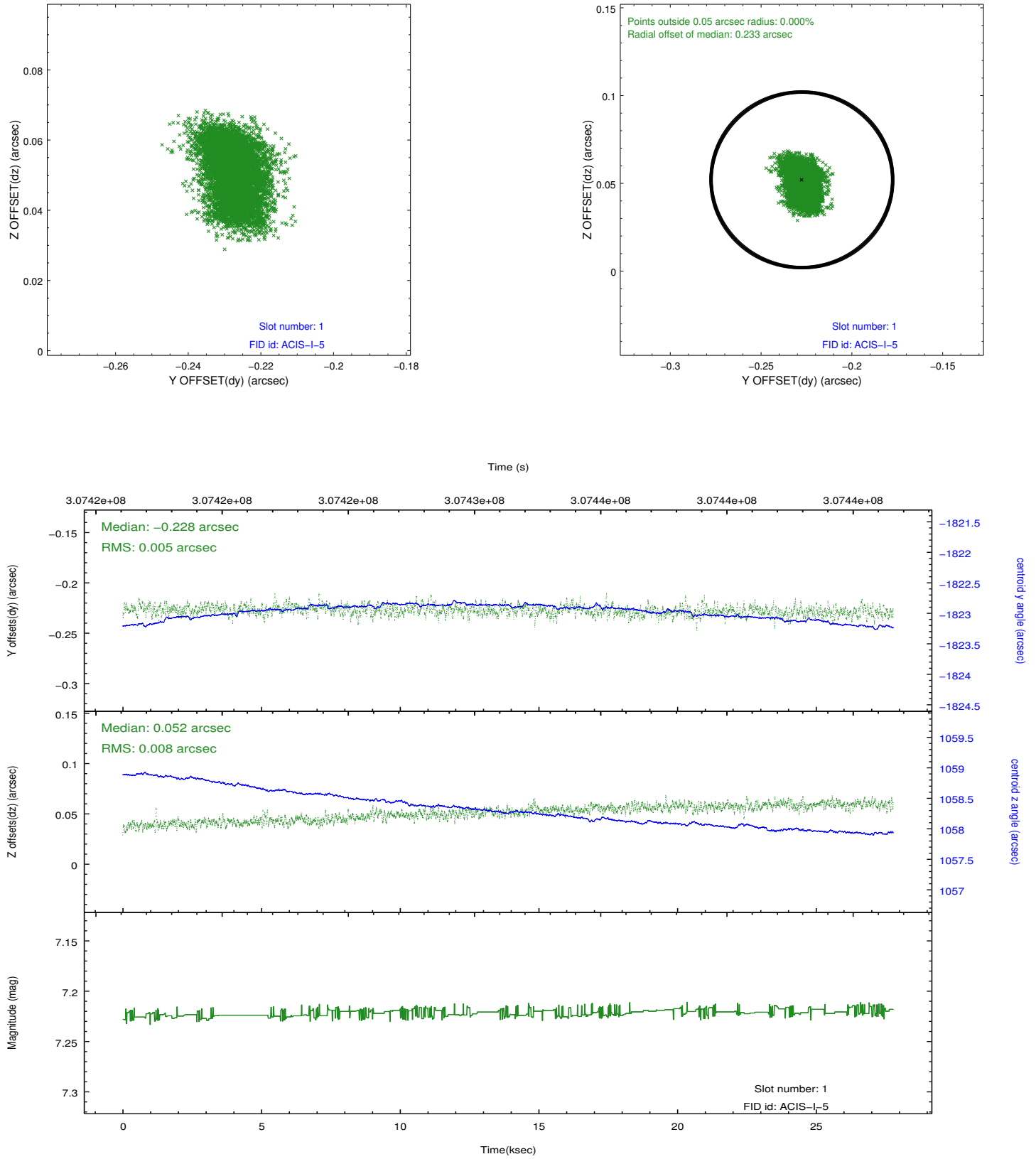


2.5 FID Slots

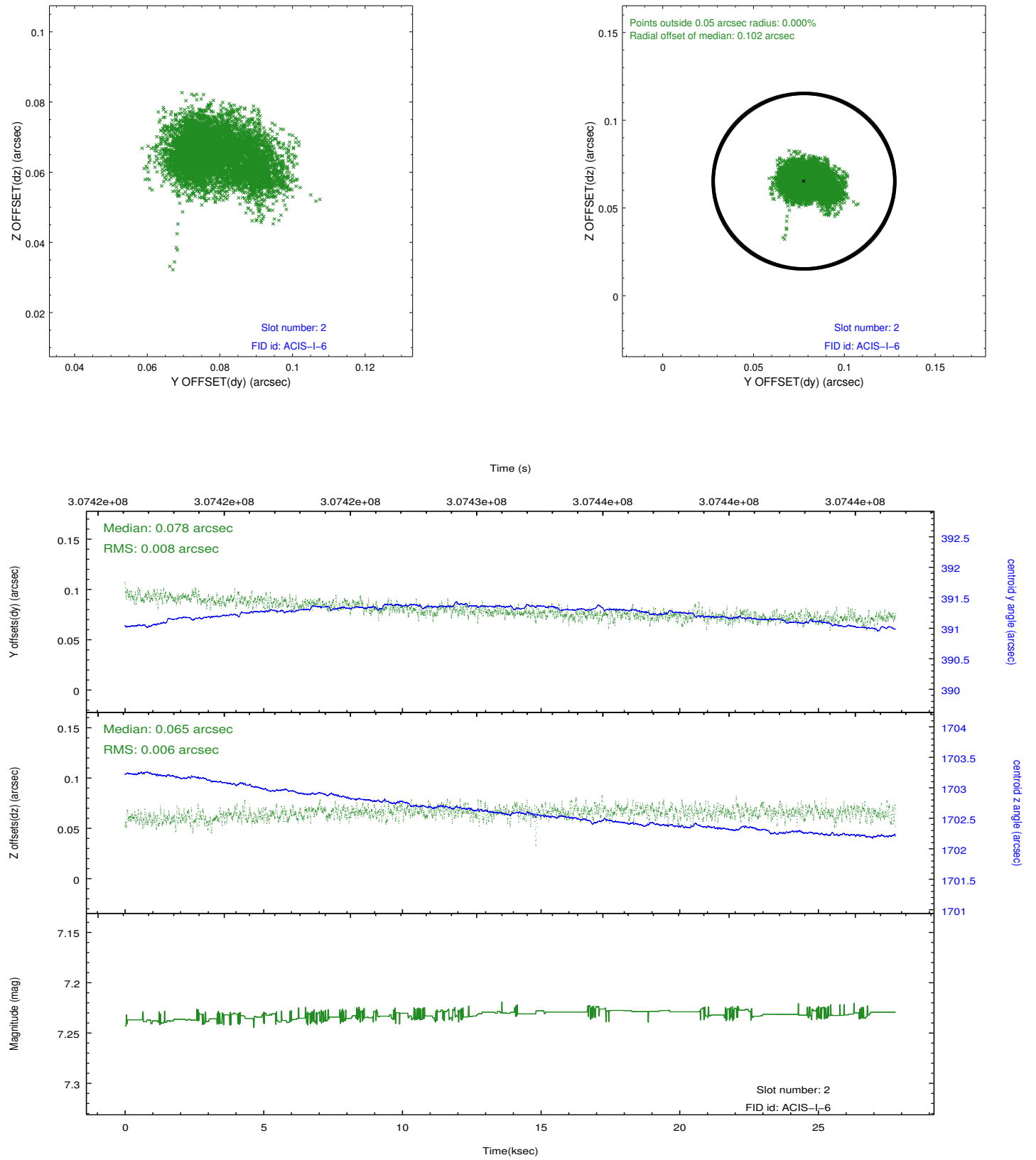
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.7151589

A.2 Comments

Joint proposal with Spitzer.