

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9078 - L2 Version 2
Chandra X-Ray Center

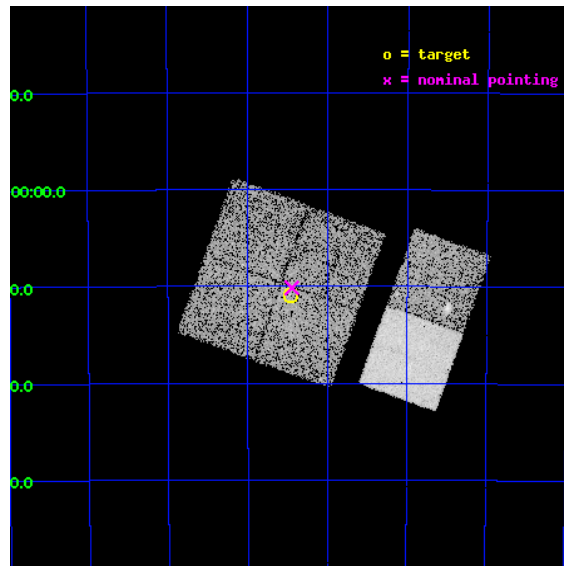
L2 Processing Date : May 7 2012

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1 Front

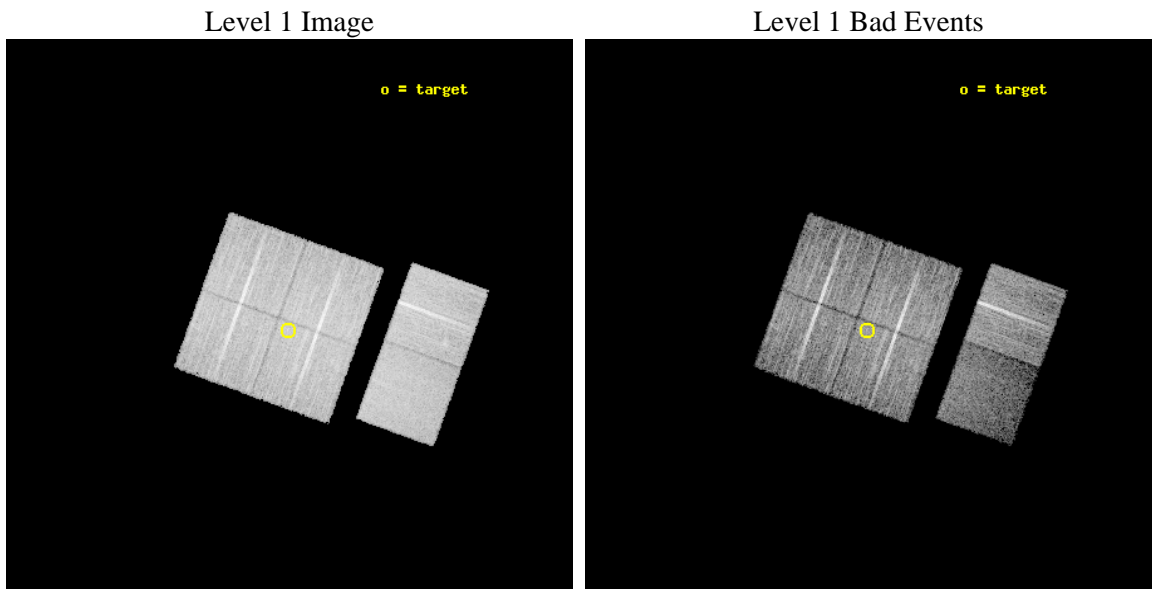
seq_num	500941	Sequence number
obs_id	9078	Observation id
title	Snap-shot survey of potential GeV and TeV pulsars	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	J1531-5610	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.86625	Observer's specified target RA [deg]
dec_targ	-56.181944	Observer's specified target Dec [deg]
ra_nom	232.86151311824	Nominal RA [deg]
dec_nom	-56.169442781357	Nominal Dec [deg]
roll_nom	109.92037153428	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10038.399962664	Sum of GTIs [s]
livetime	9911.2876979376	Livetime [s]
ontime0	10038.399962664	Sum of GTIs [s]
ontime1	10038.399962664	Sum of GTIs [s]
ontime2	10038.399962664	Sum of GTIs [s]
ontime3	10038.399962664	Sum of GTIs [s]
ontime6	10038.399962664	Sum of GTIs [s]
ontime7	10038.399962664	Sum of GTIs [s]
l2events	69751	Number of level 2 events



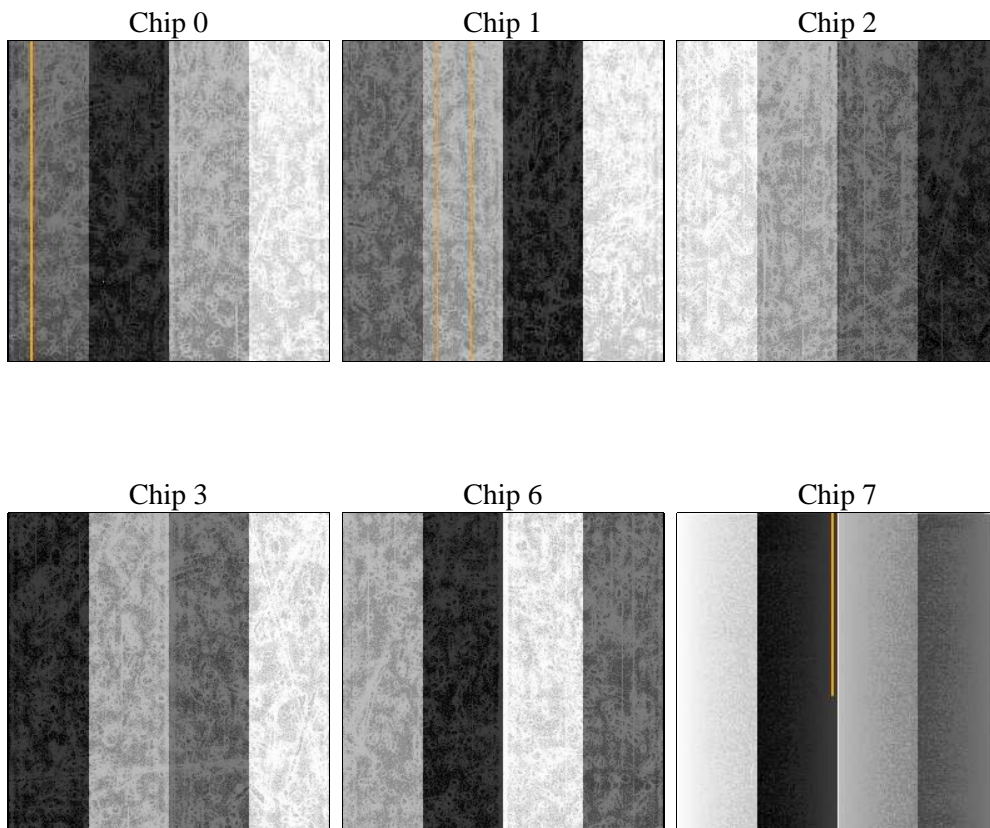
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10038.399962664	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	10038.399962664	Sum of GTIs [s]
date	2012-05-07T14:44:03	Date and time of file creation	ontime1	10038.399962664	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10038.399962664	Sum of GTIs [s]
			ontime3	10038.399962664	Sum of GTIs [s]
			ontime6	10038.399962664	Sum of GTIs [s]
			ontime7	10038.399962664	Sum of GTIs [s]
			l1events	469384	Number of level 1 events

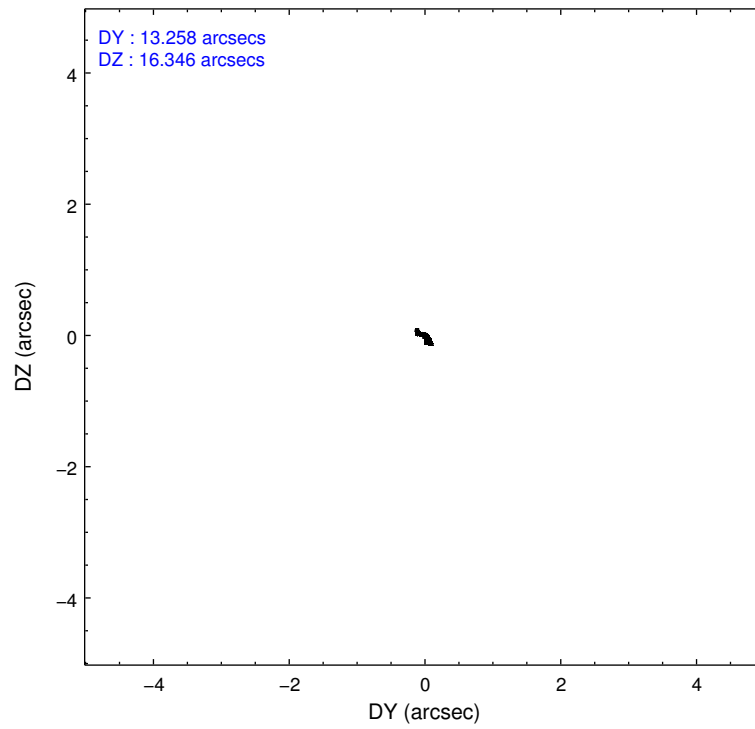
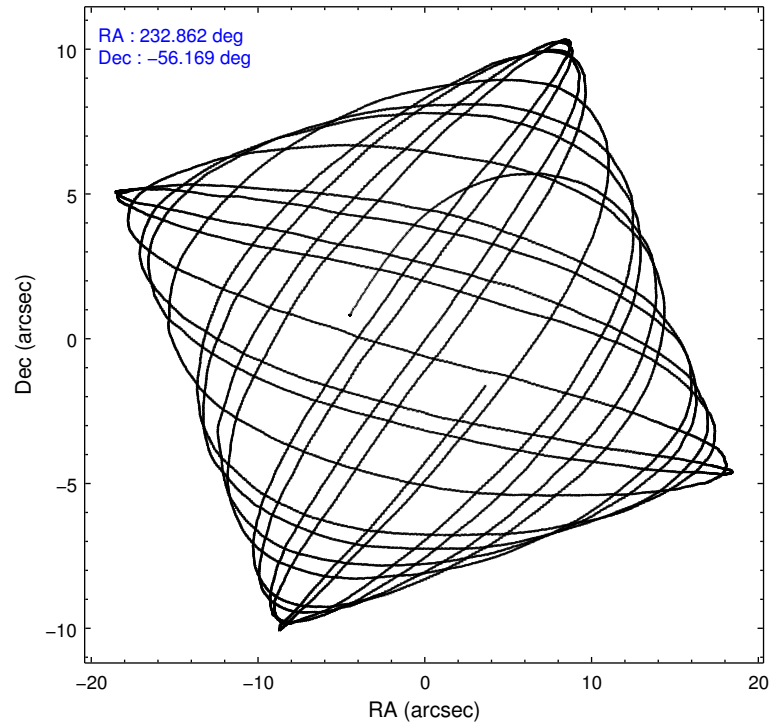
2.1.4 Events

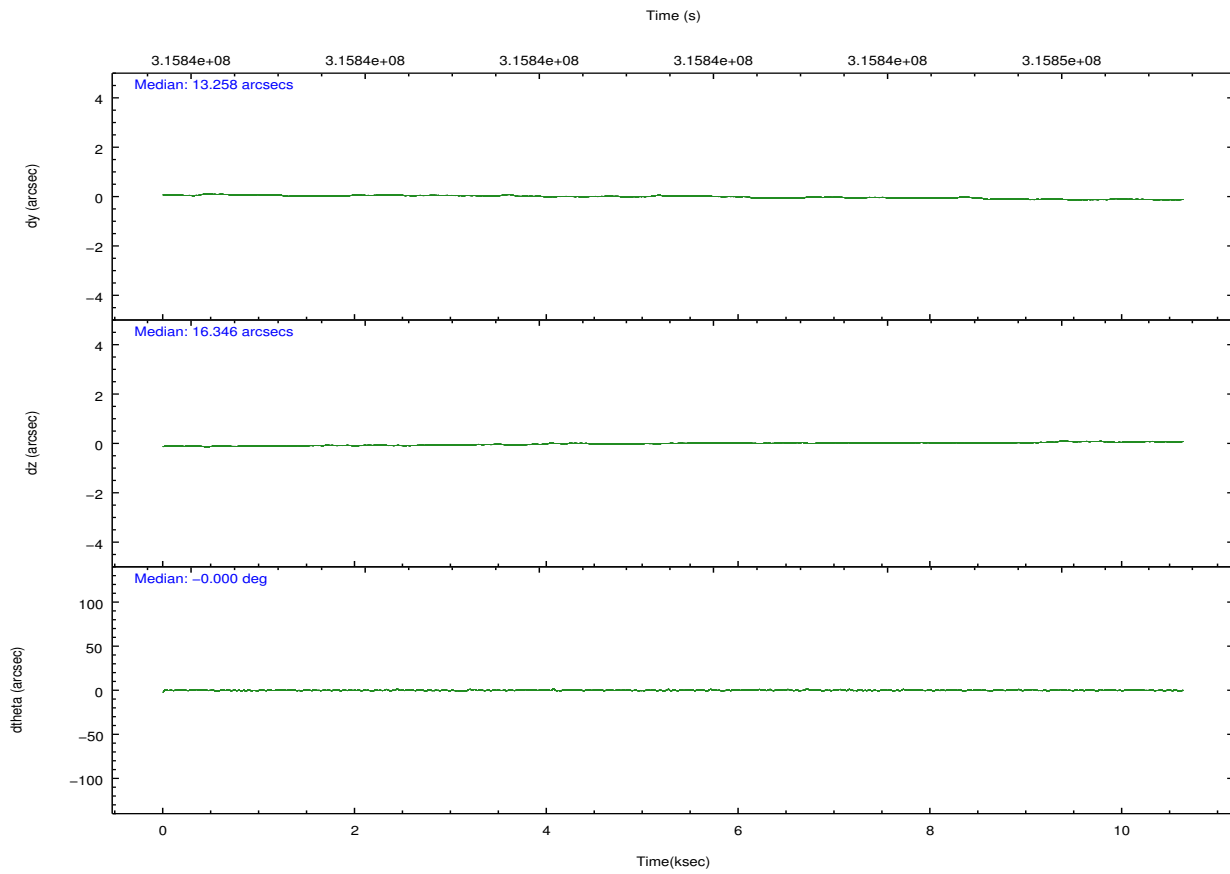
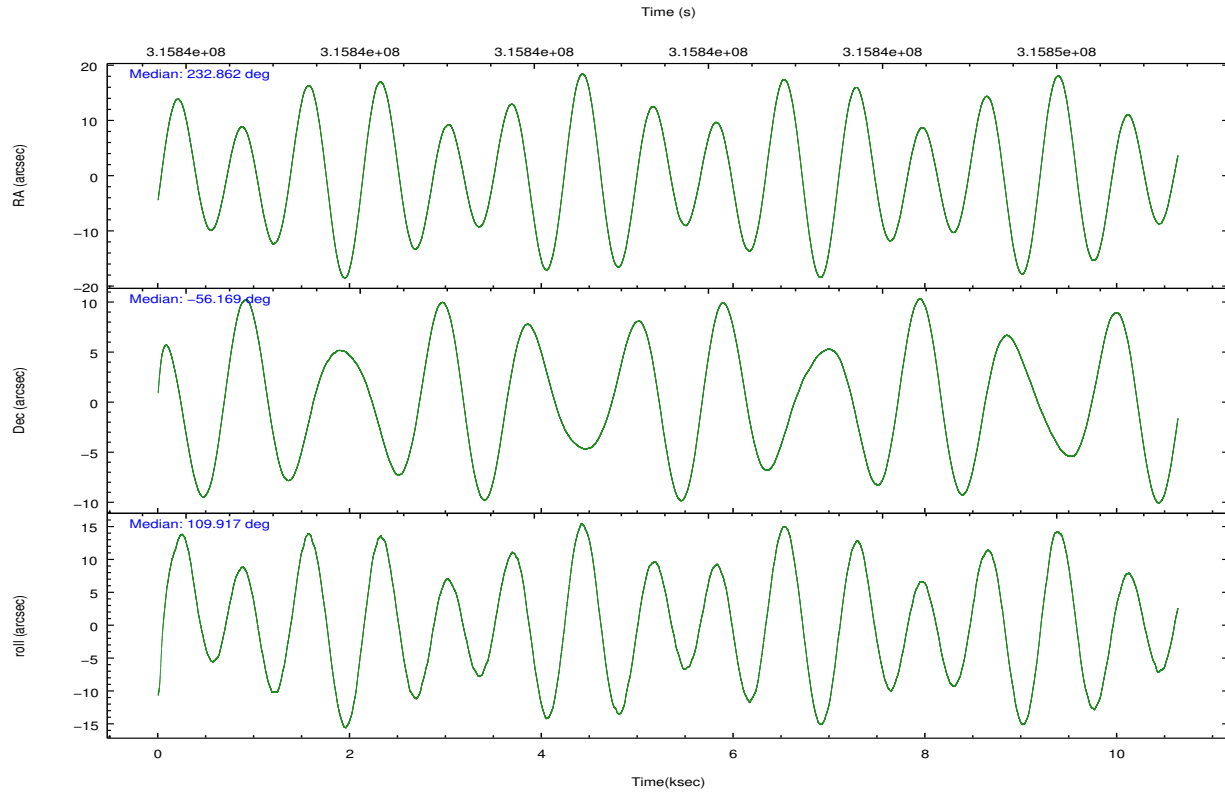
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	75055	74978	83401	78102	83748	74100	grade 0 events	3192	3117	3098	3223	3402	3757
rejected events	66887	66428	75446	70055	75062	37426		4%	4%	3%	4%	4%	5%
rejected %	89%	88%	90%	89%	89%	50%	grade 1 events	50	44	57	51	48	123
								0%	0%	0%	0%	0%	0%
							grade 2 events	1918	1855	1965	1686	1854	7680
								2%	2%	2%	2%	2%	10%
							grade 3 events	881	961	753	879	857	3563
								1%	1%	0%	1%	1%	4%
							grade 4 events	806	948	849	866	879	3584
								1%	1%	1%	1%	1%	4%
							grade 5 events	2308	2526	2274	2793	2749	8083
								3%	3%	2%	3%	3%	10%
							grade 6 events	1371	1674	1291	1397	1698	18096
								1%	2%	1%	1%	2%	24%
							grade 7 events	64529	63853	73114	67207	72261	29214
								85%	85%	87%	86%	86%	39%

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	232.899421	232.8615131182409	CCD I2 on	Y	Y
[deg] Pointing Dec	-56.187004	-56.1694427813574	CCD I3 on	Y	Y
[deg] Pointing Roll	109.743196	109.9203715342766	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	O2	Y
[mm] SIM translation stage pos	-232.122463	-232.1190743247176	CCD S3 on	O1	Y
[mm] SIM translation stage offset	-1.47	-1.473378678212043	CCD S4 on	N	N
[s] Observation start time (MET)	315836863.184000	315835629.71754	CCD S5 on	N	N
Observation start date	2008-01-04T12:26:38	2008-01-04T12:07:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315846863.184000	315847721.64313	On-chip summing requested	N	N
Observation end date	2008-01-04T15:13:18	2008-01-04T15:28:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





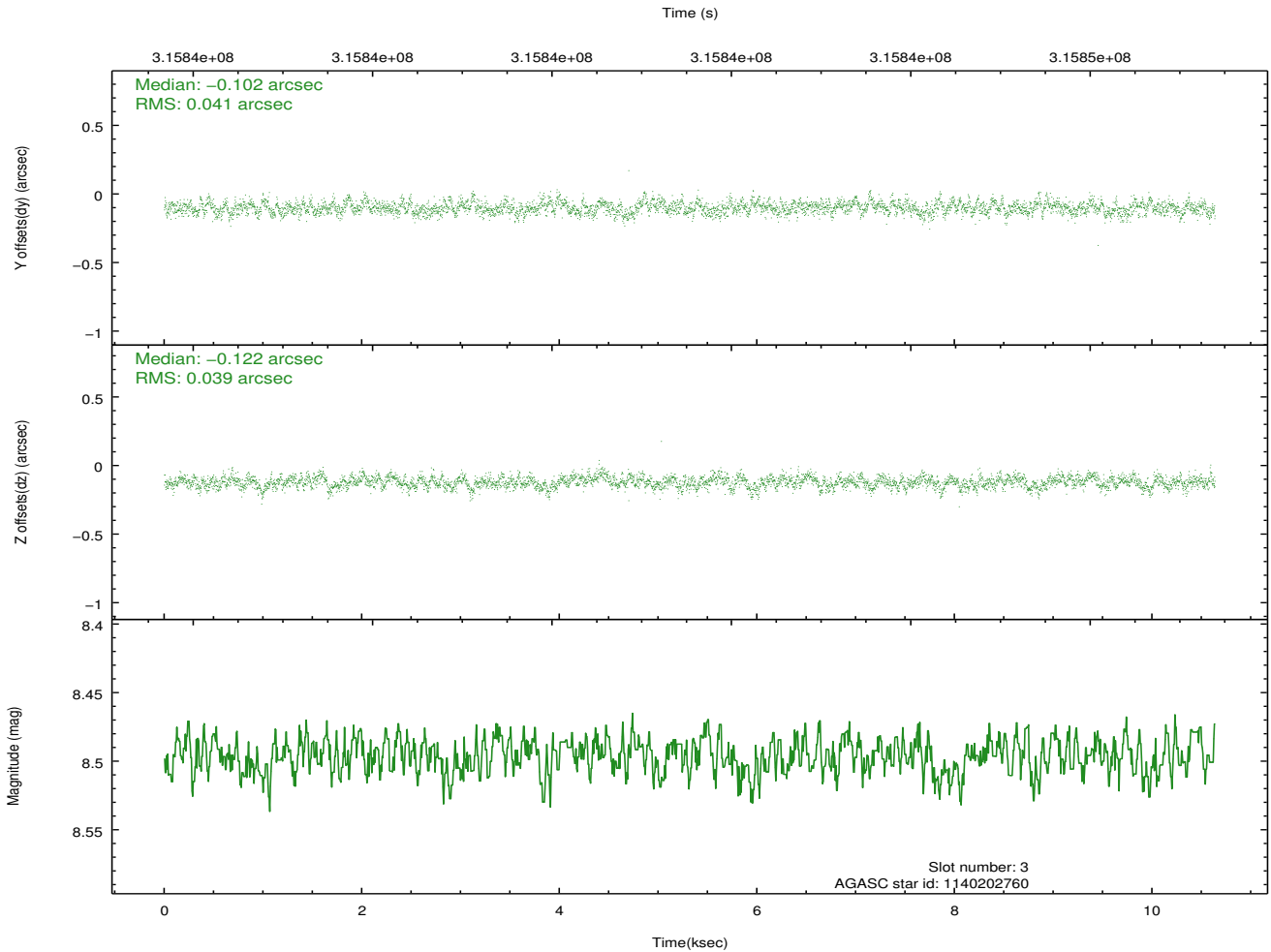
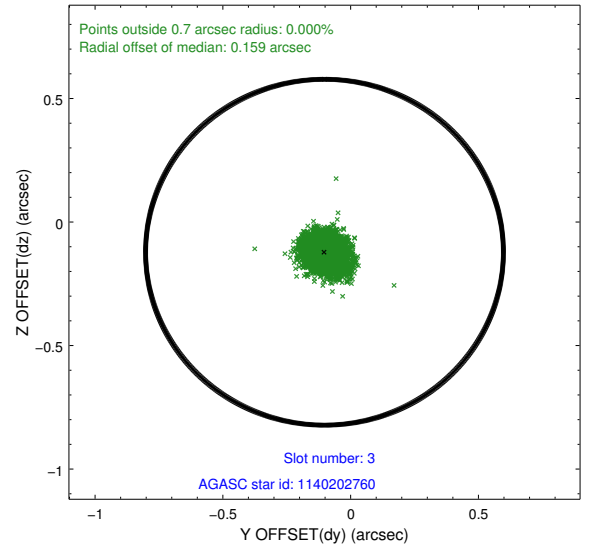
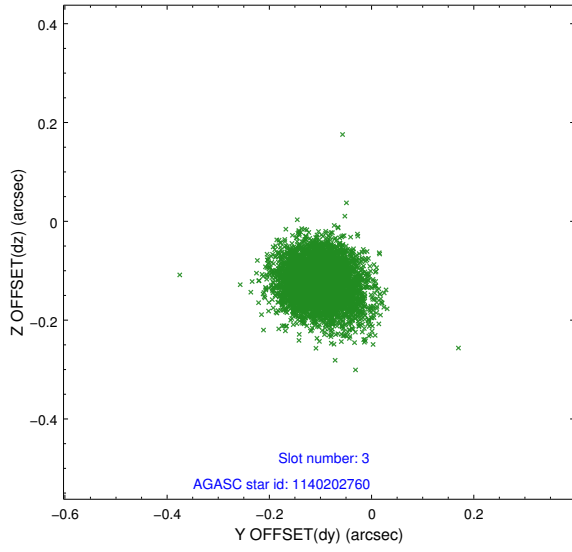
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	2594	0.086	-0.040	0.008	0.013	0.000000	0.000000	926.30	-870.19
1	FID	ACIS-I-5	7.21	2594	-0.250	0.079	0.007	0.013	0.000000	0.000000	-1821.83	1027.23
2	FID	ACIS-I-6	7.23	2594	0.072	0.031	0.008	0.013	0.000000	0.000000	391.36	1672.18
3	GUIDE	1140202760	8.50	5186	-0.102	-0.122	0.060	0.099	231.925197	-55.796534	1976.20	1385.80
4	GUIDE	1140330744	9.09	5188	-0.097	0.250	0.085	0.142	233.730241	-55.727188	980.47	-2140.22
5	GUIDE	1140725064	8.92	5187	0.127	-0.073	0.069	0.112	233.128603	-56.809070	-2260.55	331.51
6	GUIDE	1140729312	9.01	5181	0.095	-0.079	0.098	0.162	232.475585	-56.374951	-353.84	1025.09
7	GUIDE	1140205824	8.07	5184	-0.021	0.024	0.062	0.099	233.098748	-55.815948	1120.84	-829.81

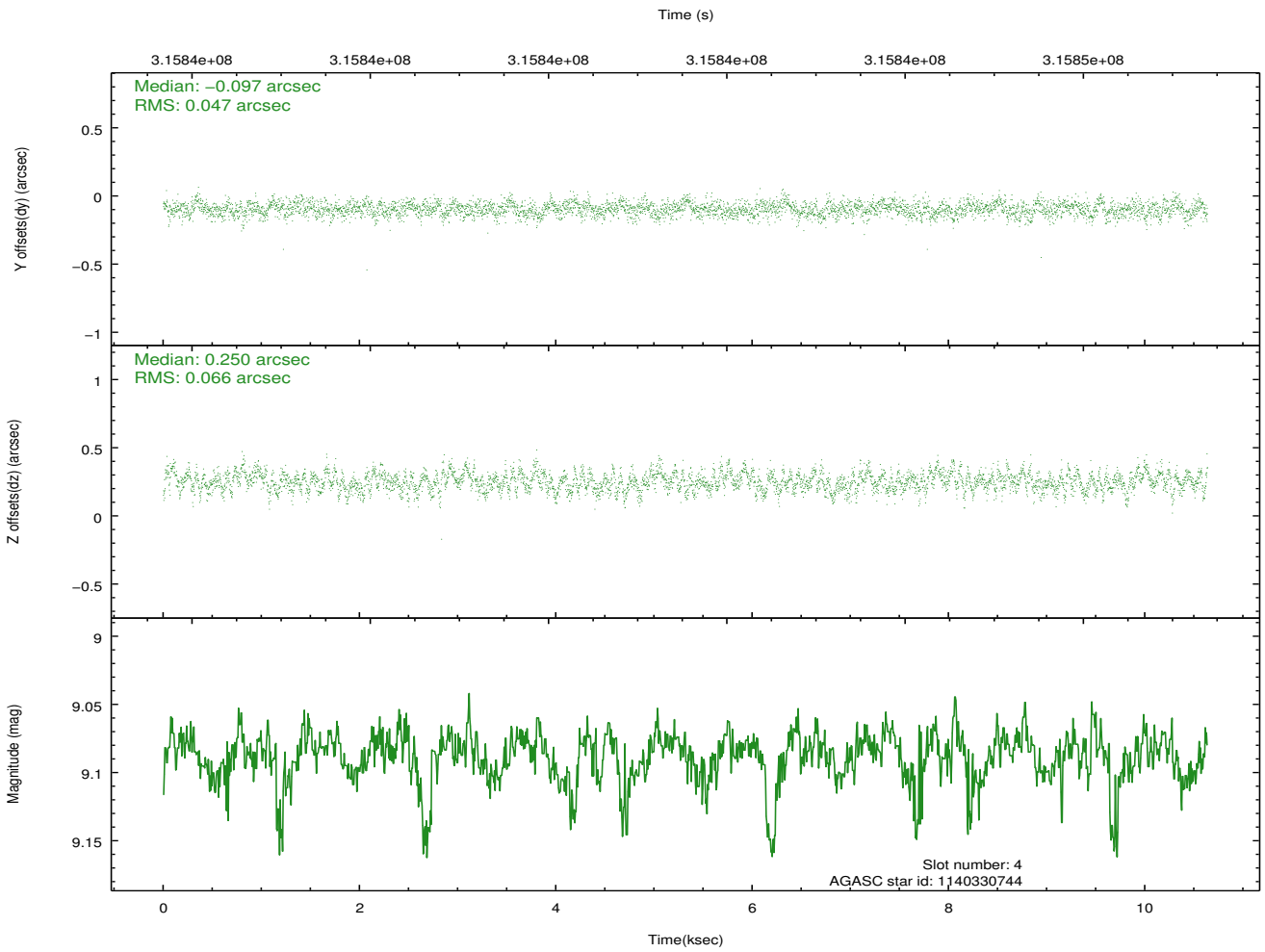
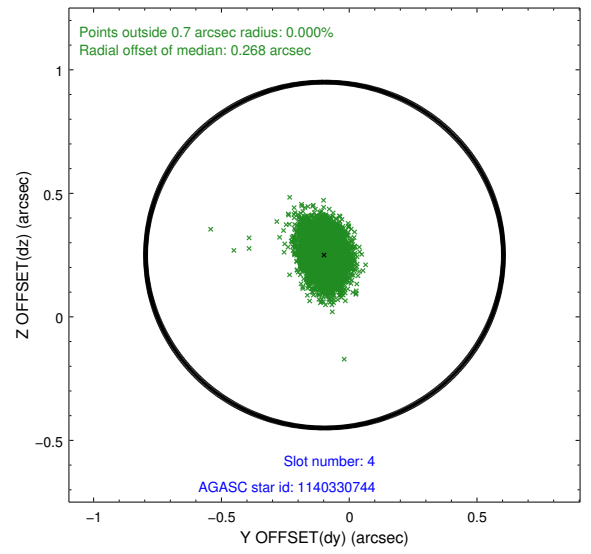
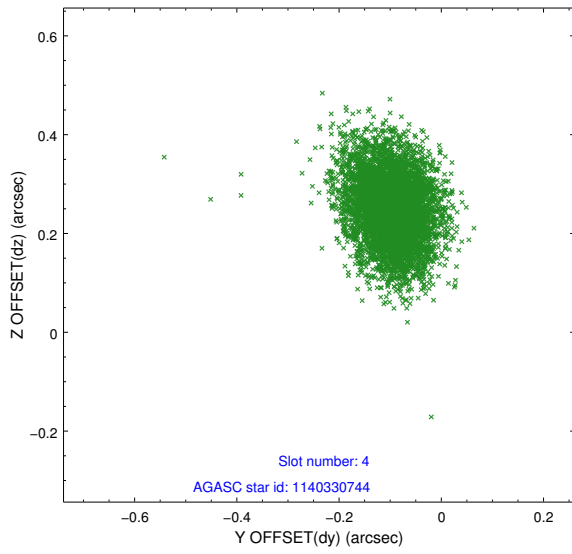
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2.4 Star Slots

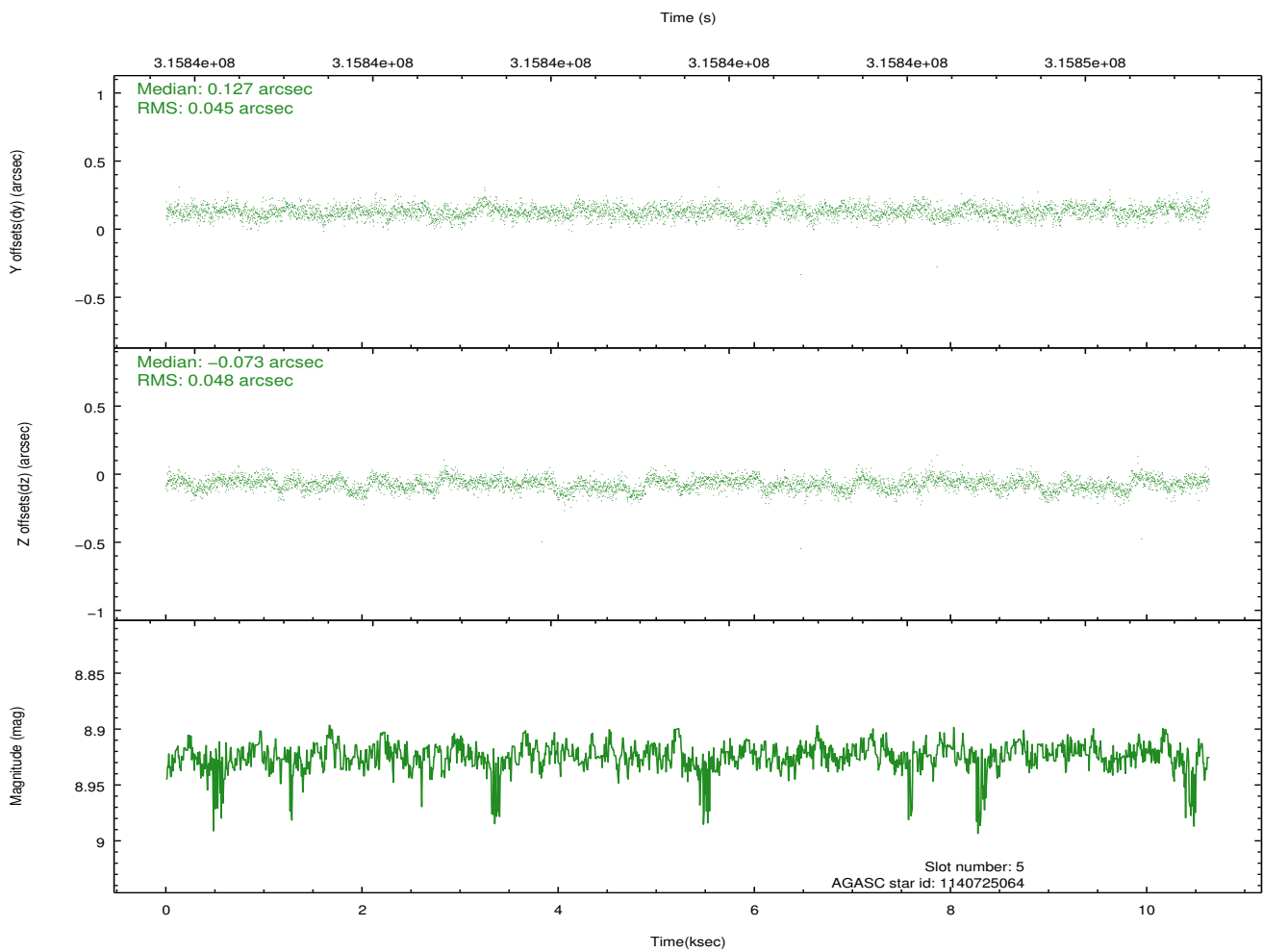
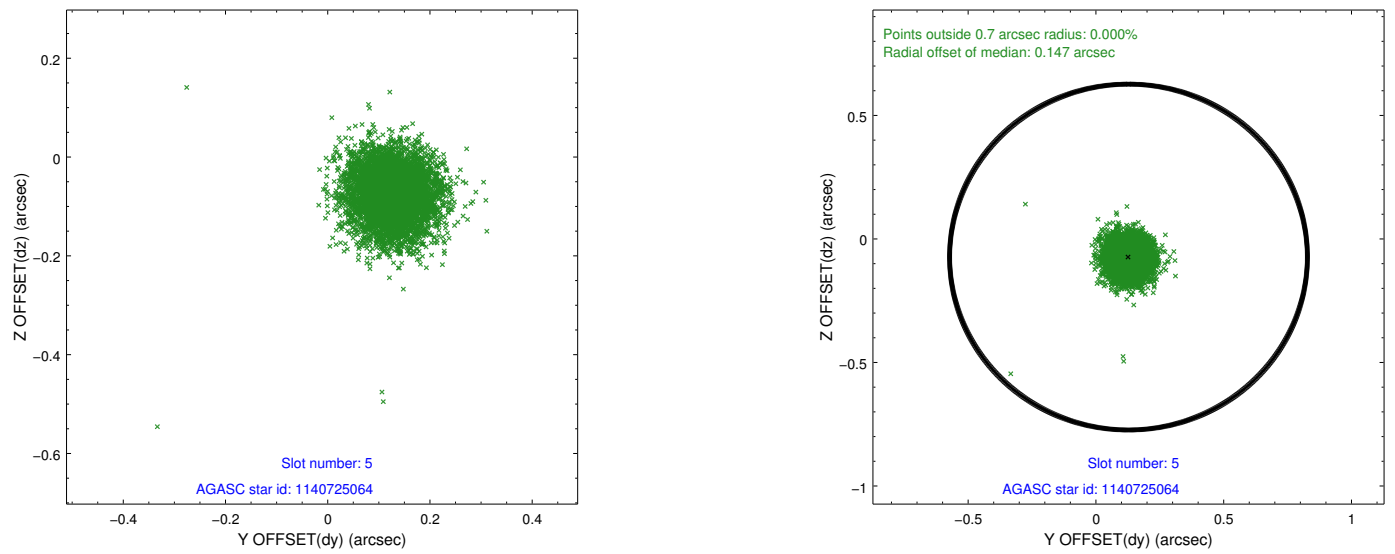
2.4.1 Slot 3



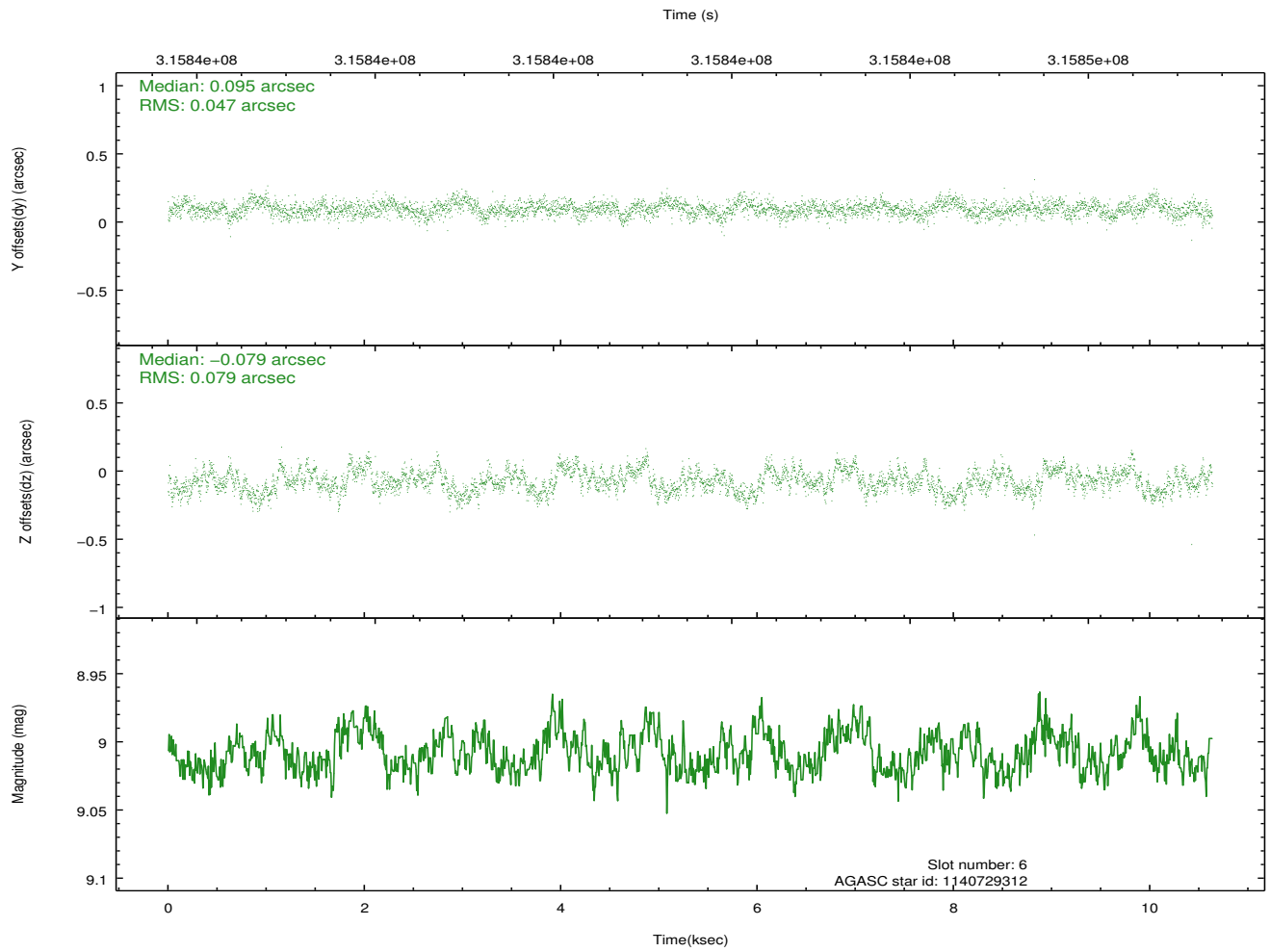
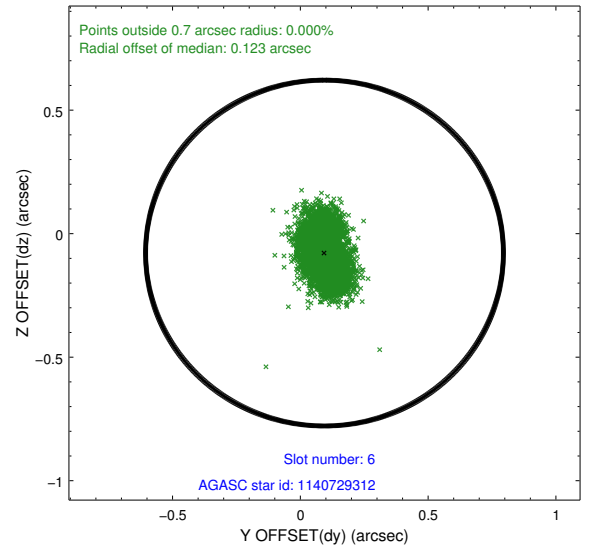
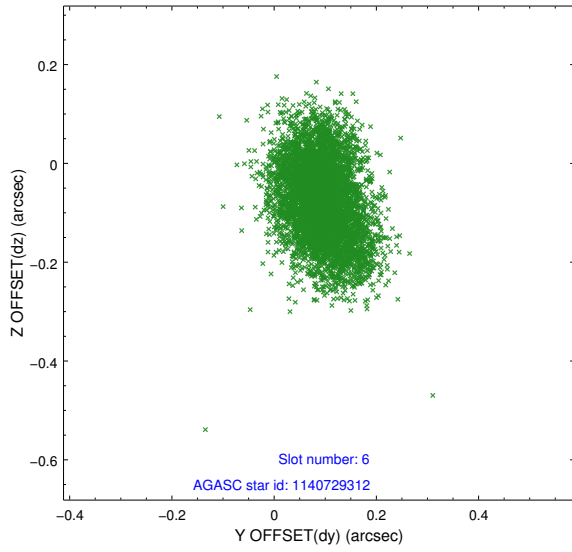
2.4.2 Slot 4



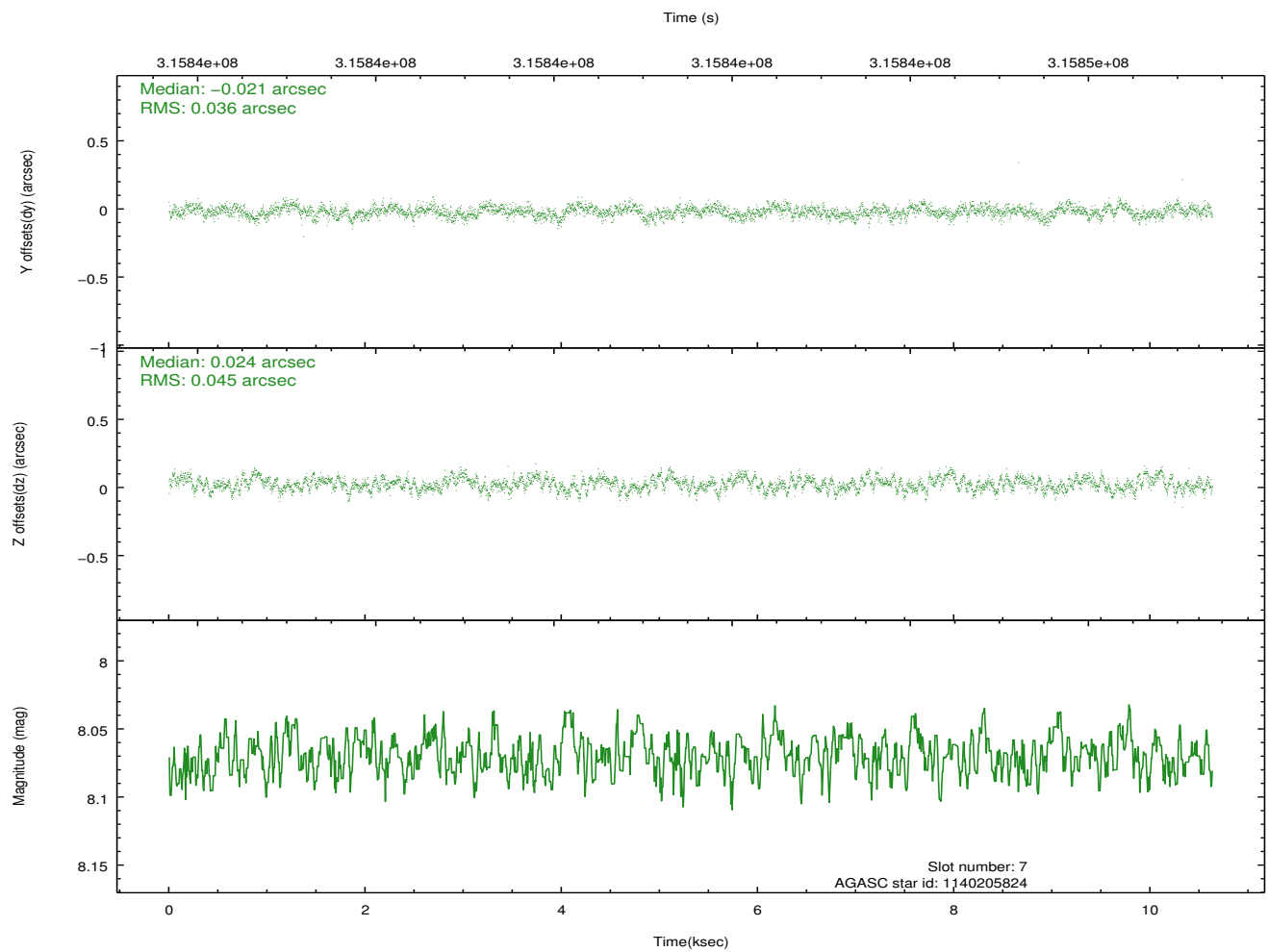
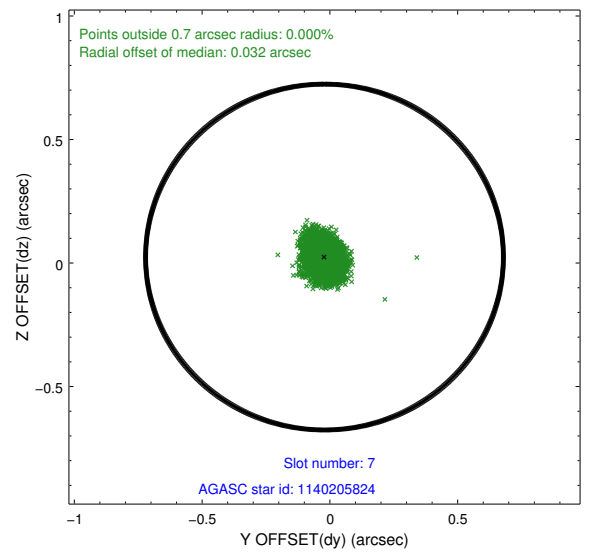
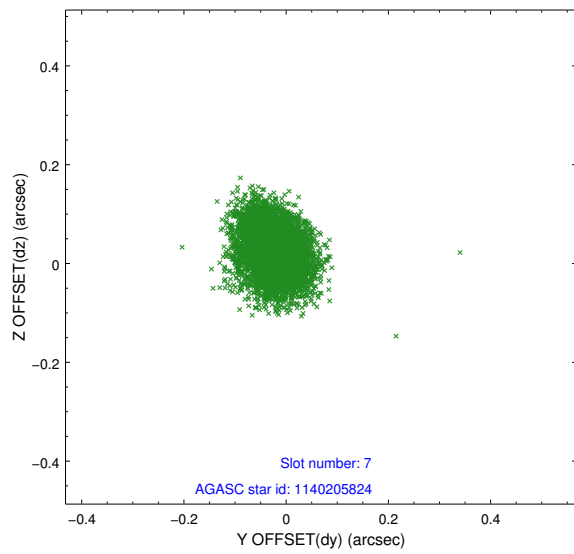
2.4.3 Slot 5



2.4.4 Slot 6

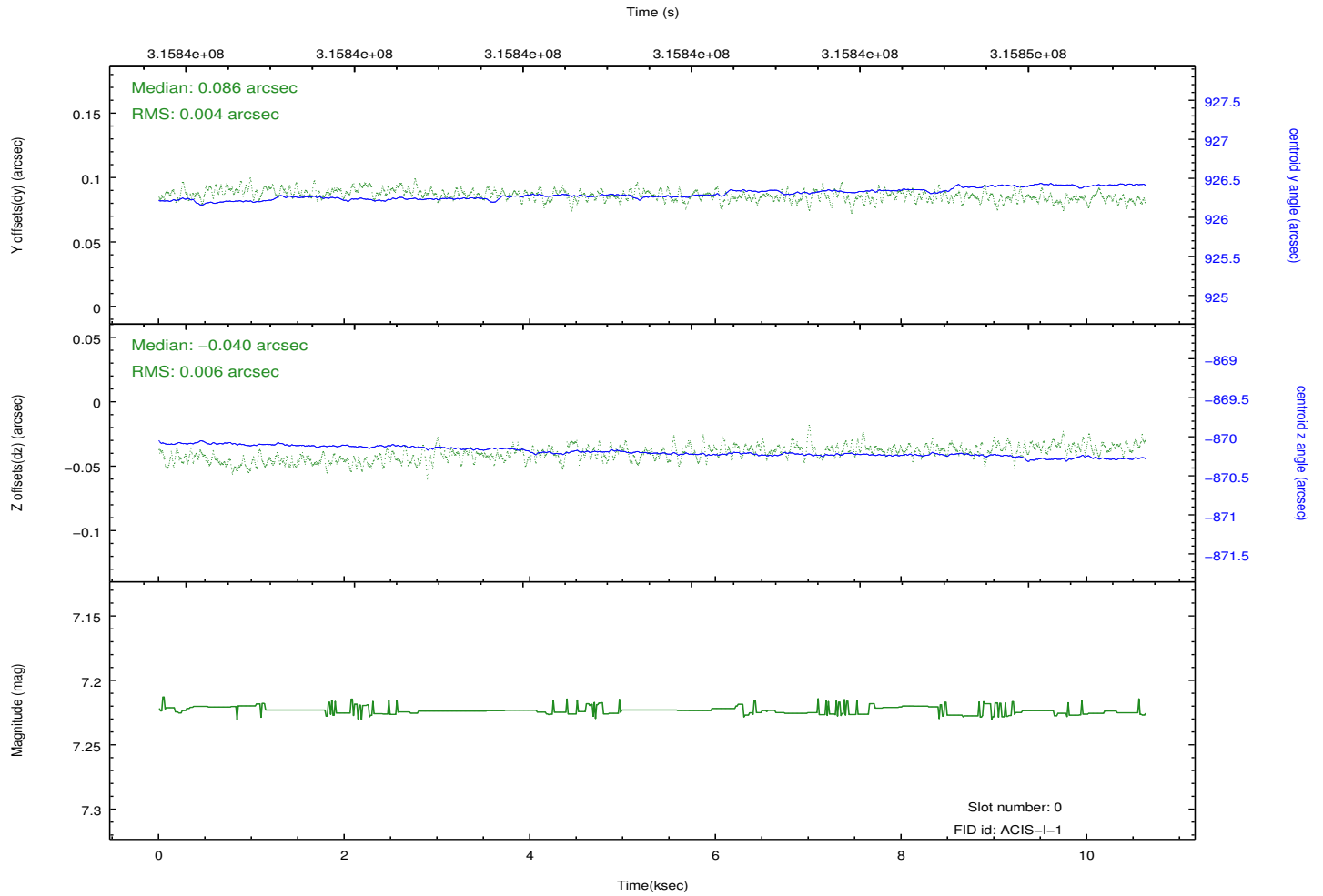
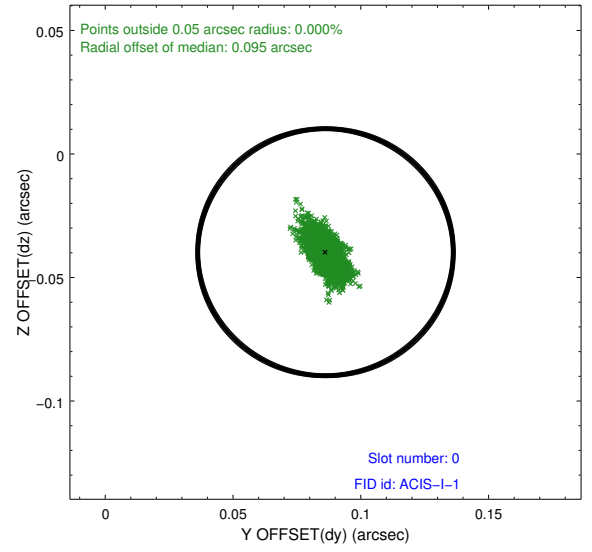
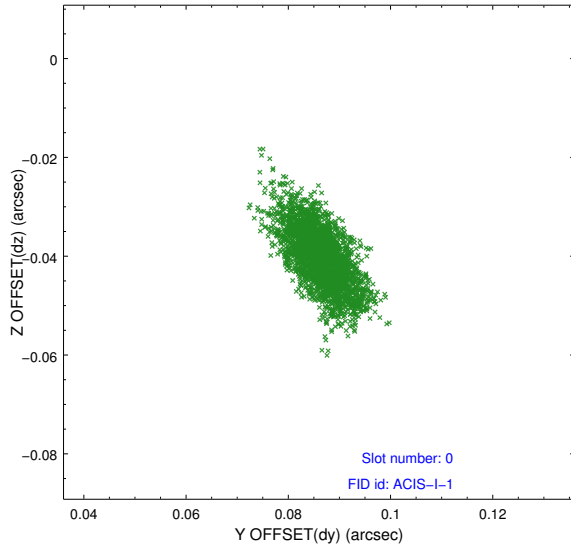


2.4.5 Slot 7

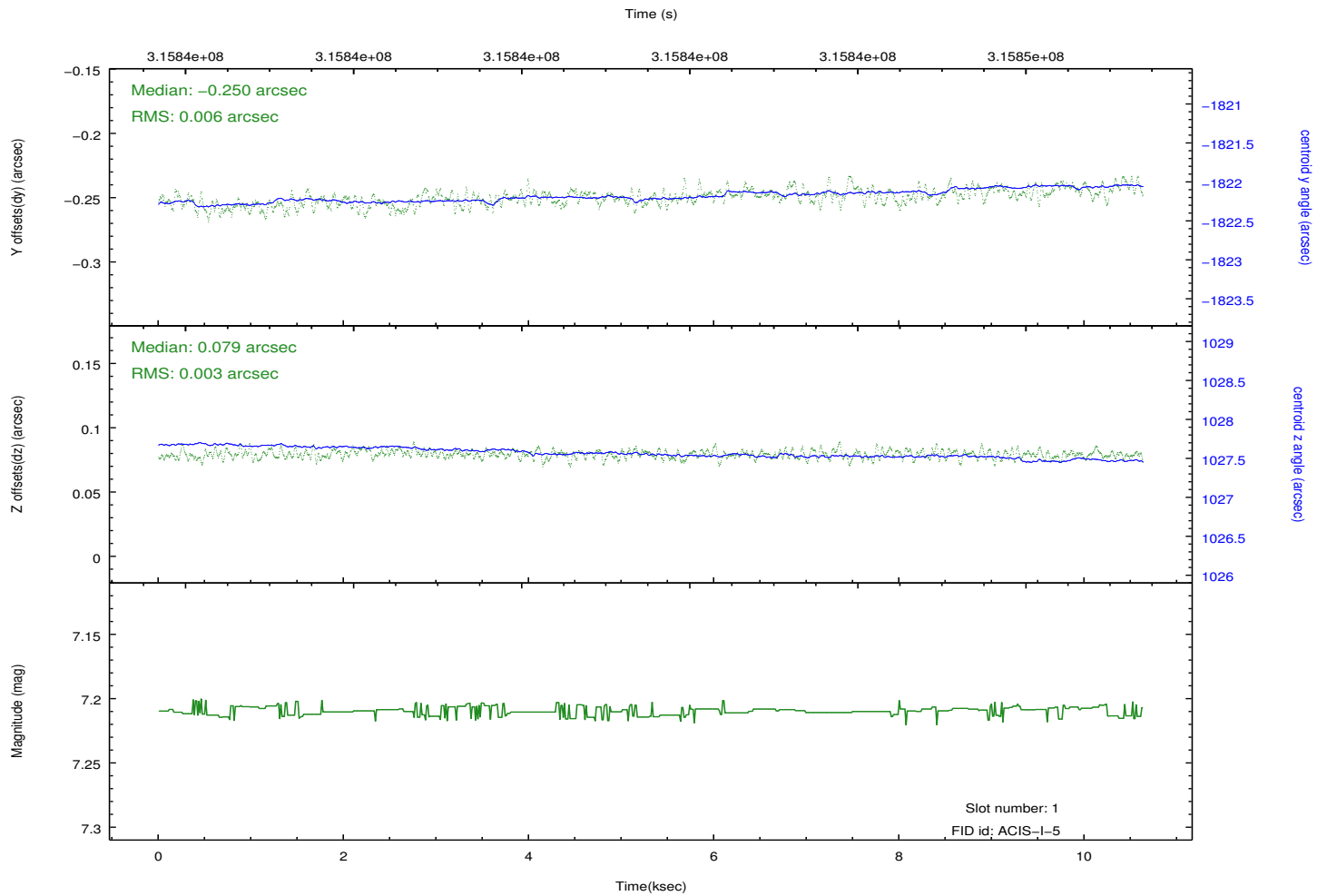
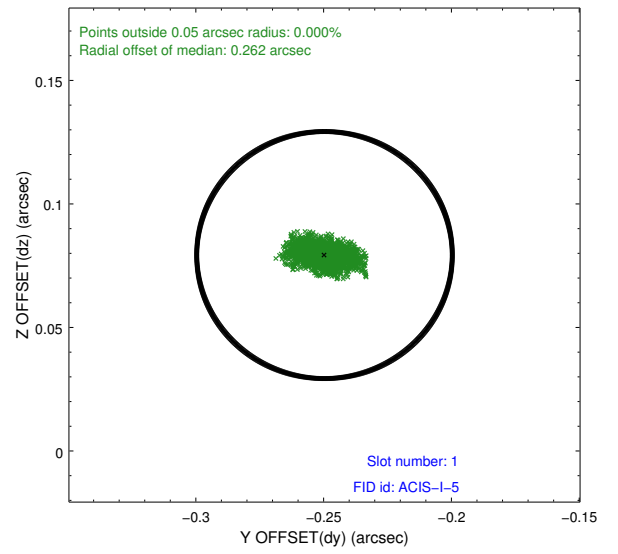
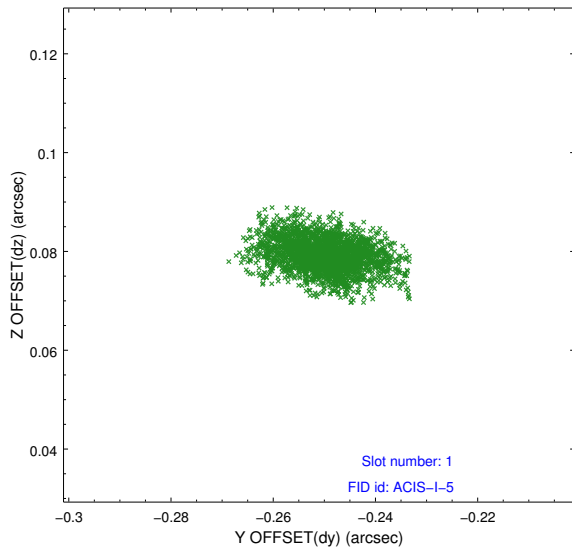


2.5 FID Slots

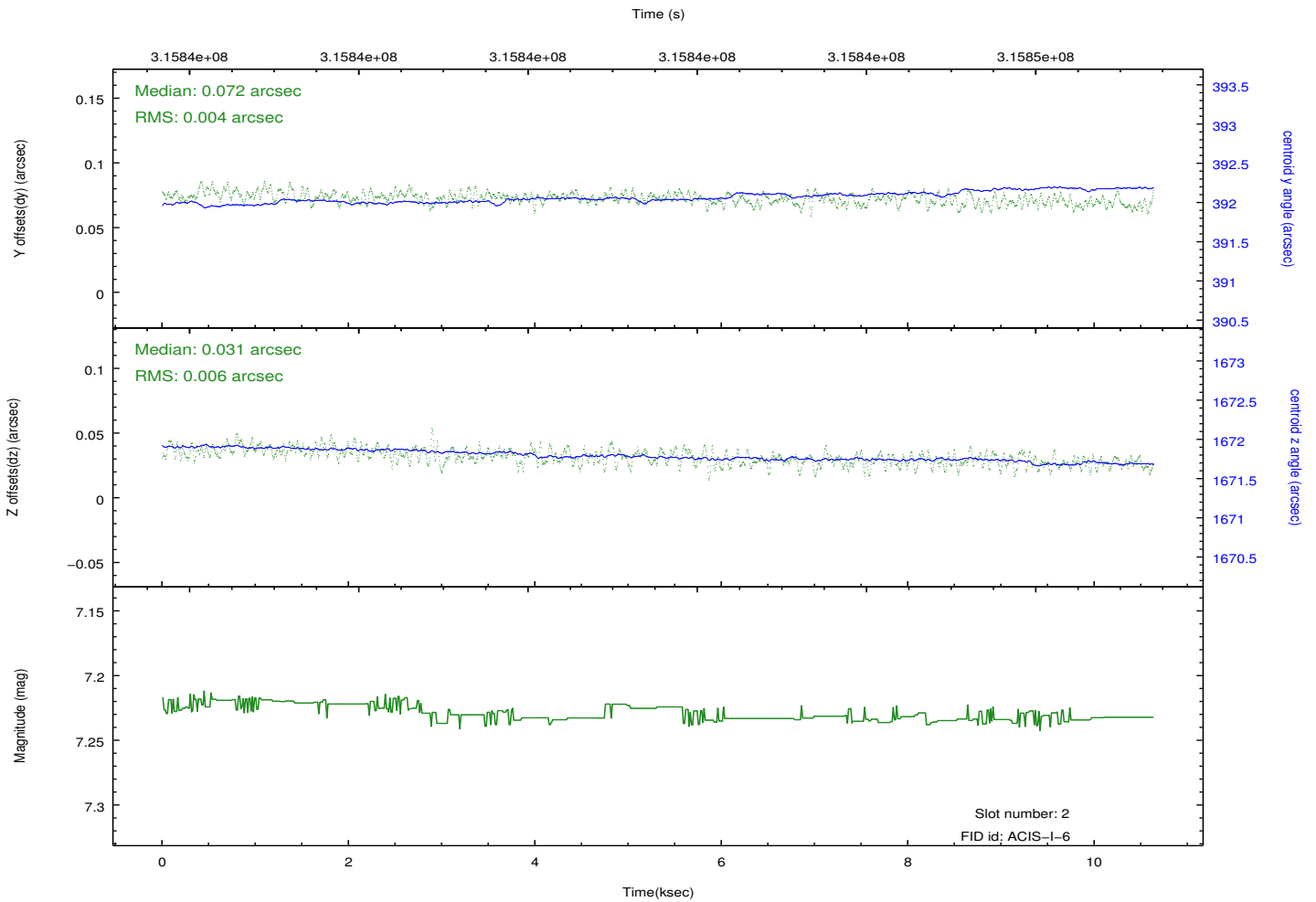
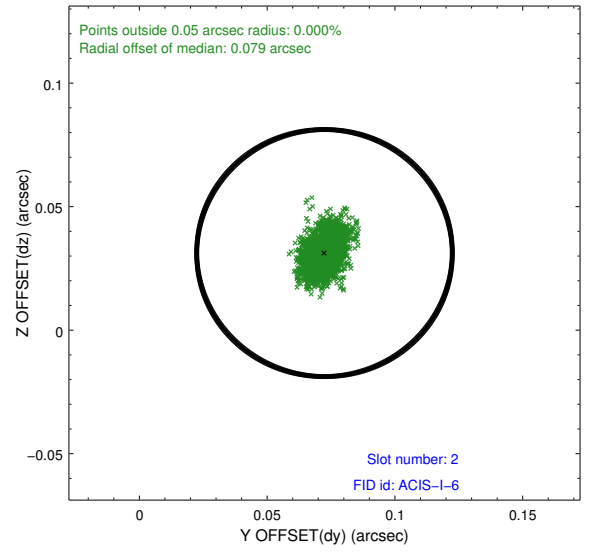
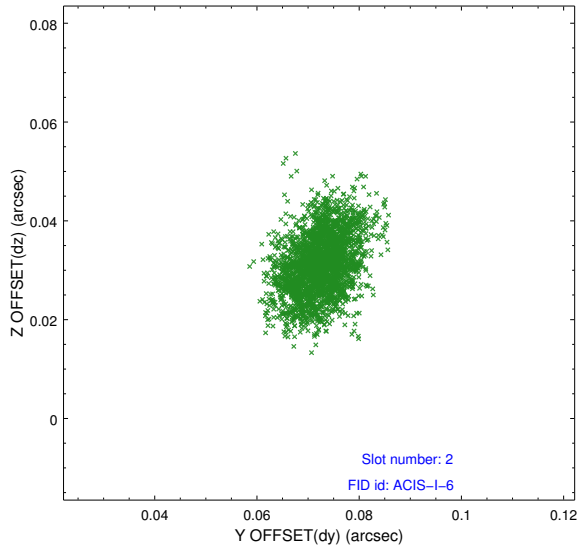
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.0383999

A.2 Comments