

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8612 - L2 Version 2
Chandra X-Ray Center

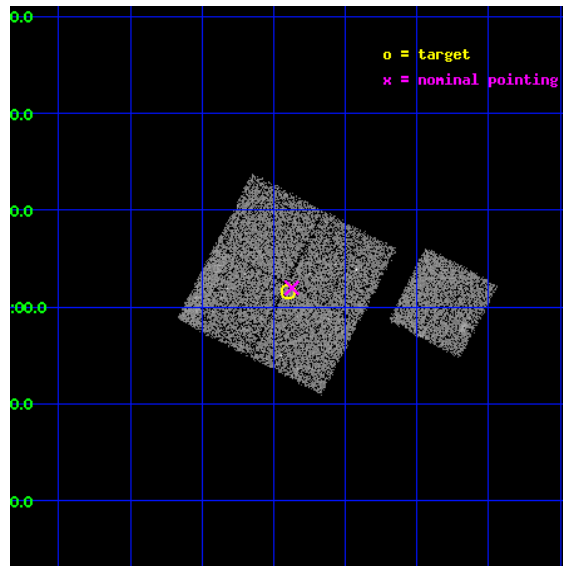
L2 Processing Date : May 19 2012

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1 Front

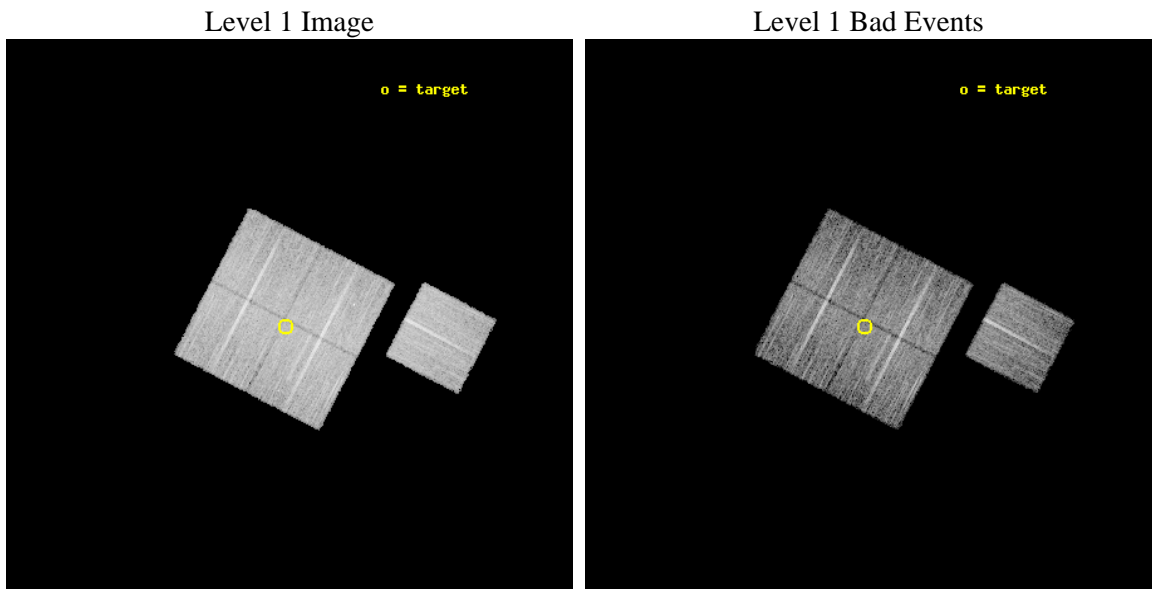
seq_num	900749	Sequence number
obs_id	8612	Observation id
title	Chandra Observations of the DEEP2 Fields	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	DEEP2 Field 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	351.47375	Observer's specified target RA [deg]
dec_targ	0.027356	Observer's specified target Dec [deg]
ra_nom	351.46808238096	Nominal RA [deg]
dec_nom	0.033099694917634	Nominal Dec [deg]
roll_nom	117.50869630055	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8952.8000688553	Sum of GTIs [s]
livetime	8835.8251450002	Livetime [s]
ontime0	8952.8000688553	Sum of GTIs [s]
ontime1	8943.3770282865	Sum of GTIs [s]
ontime2	8949.6590785384	Sum of GTIs [s]
ontime3	8952.8000688553	Sum of GTIs [s]
ontime6	8949.6590785384	Sum of GTIs [s]
l2events	31505	Number of level 2 events



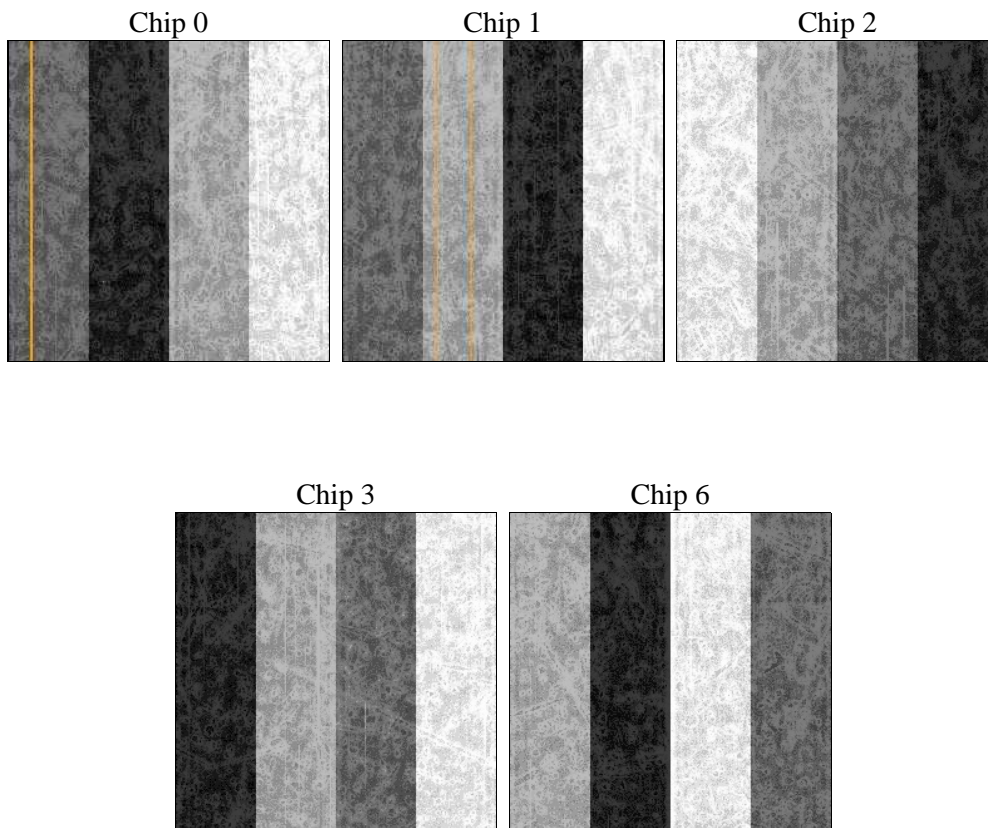
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8771.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8952.8000688553	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	8952.8000688553	Sum of GTIs [s]
date	2012-05-19T01:48:52	Date and time of file creation	ontime1	8943.3770282865	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8949.6590785384	Sum of GTIs [s]
			ontime3	8952.8000688553	Sum of GTIs [s]
			ontime6	8949.6590785384	Sum of GTIs [s]
			l1events	376527	Number of level 1 events

2.1.4 Events

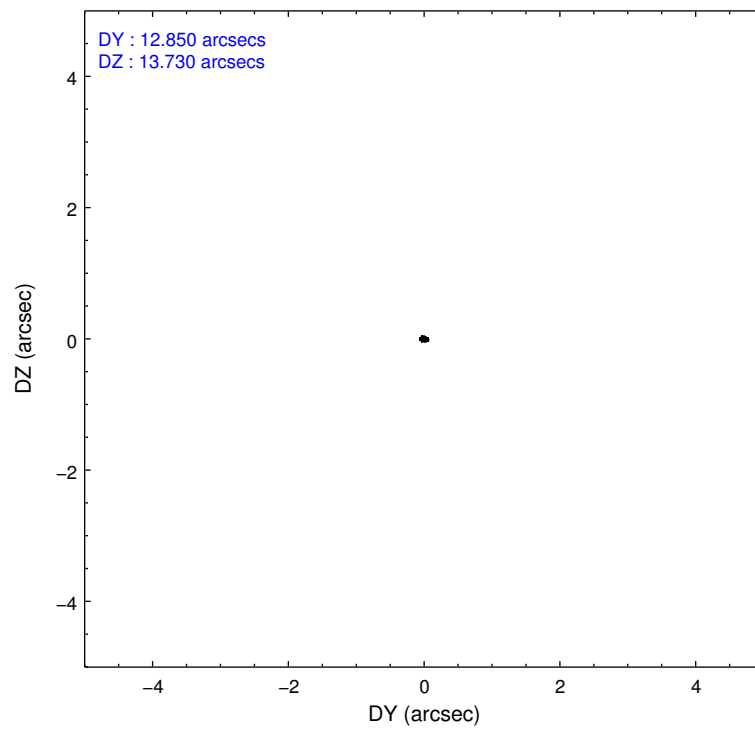
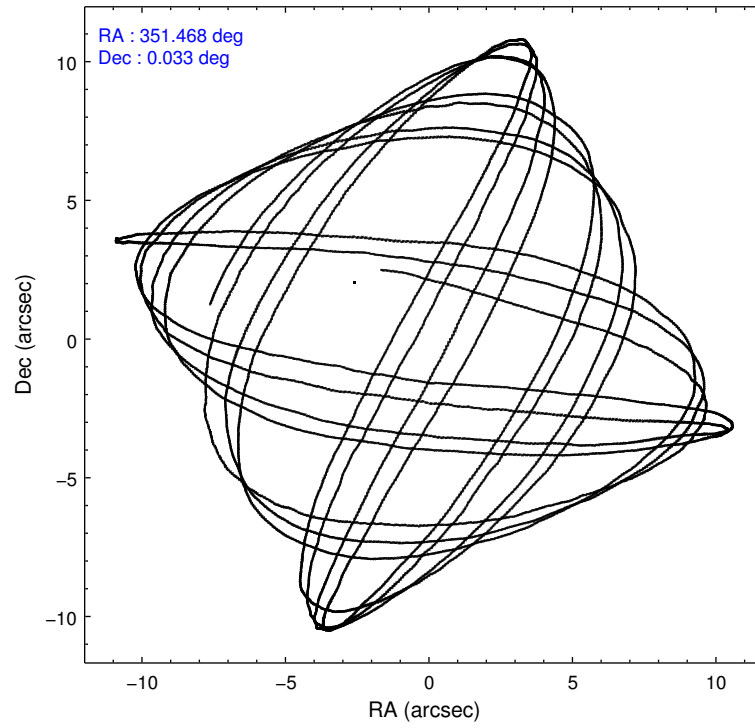
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	71152	73795	79115	76307	76158
rejected events	63743	65466	71593	69389	68545
rejected %	89%	88%	90%	90%	90%

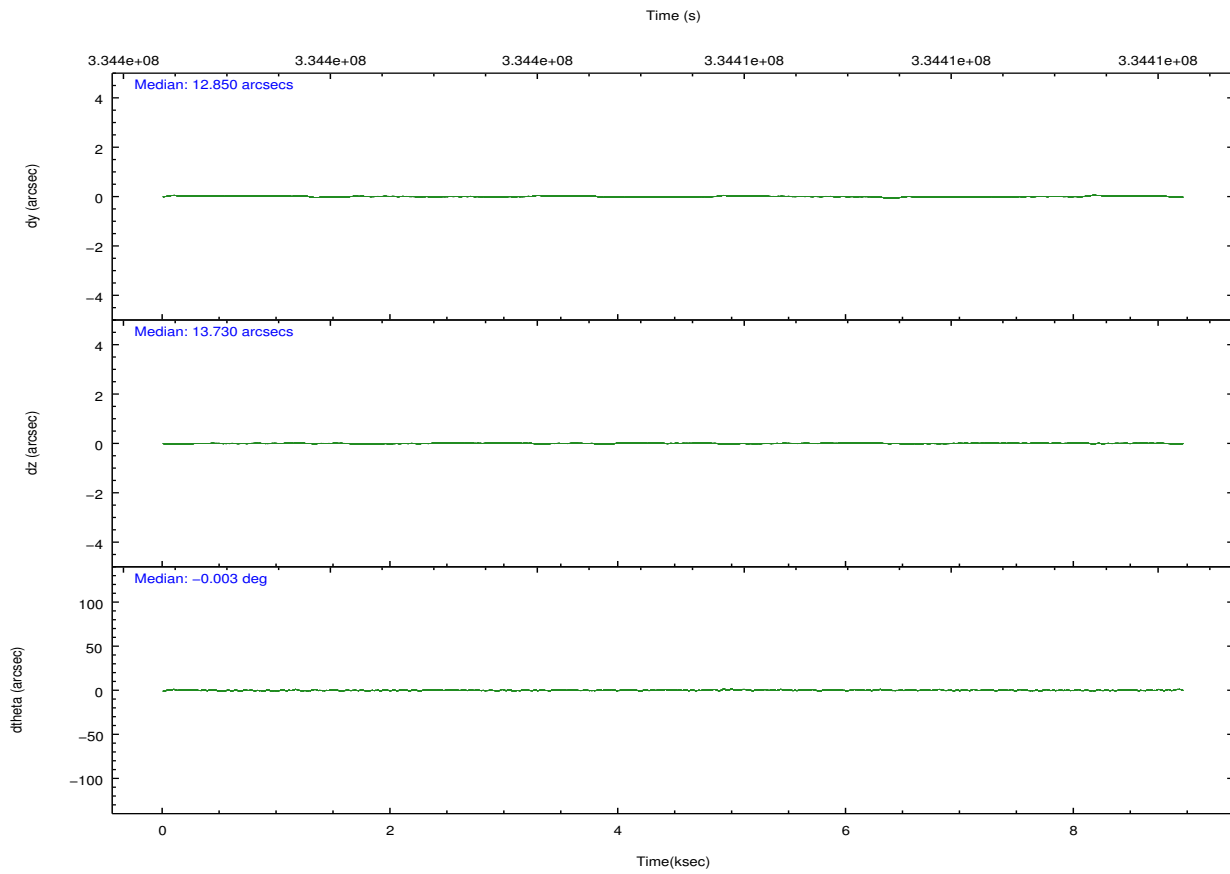
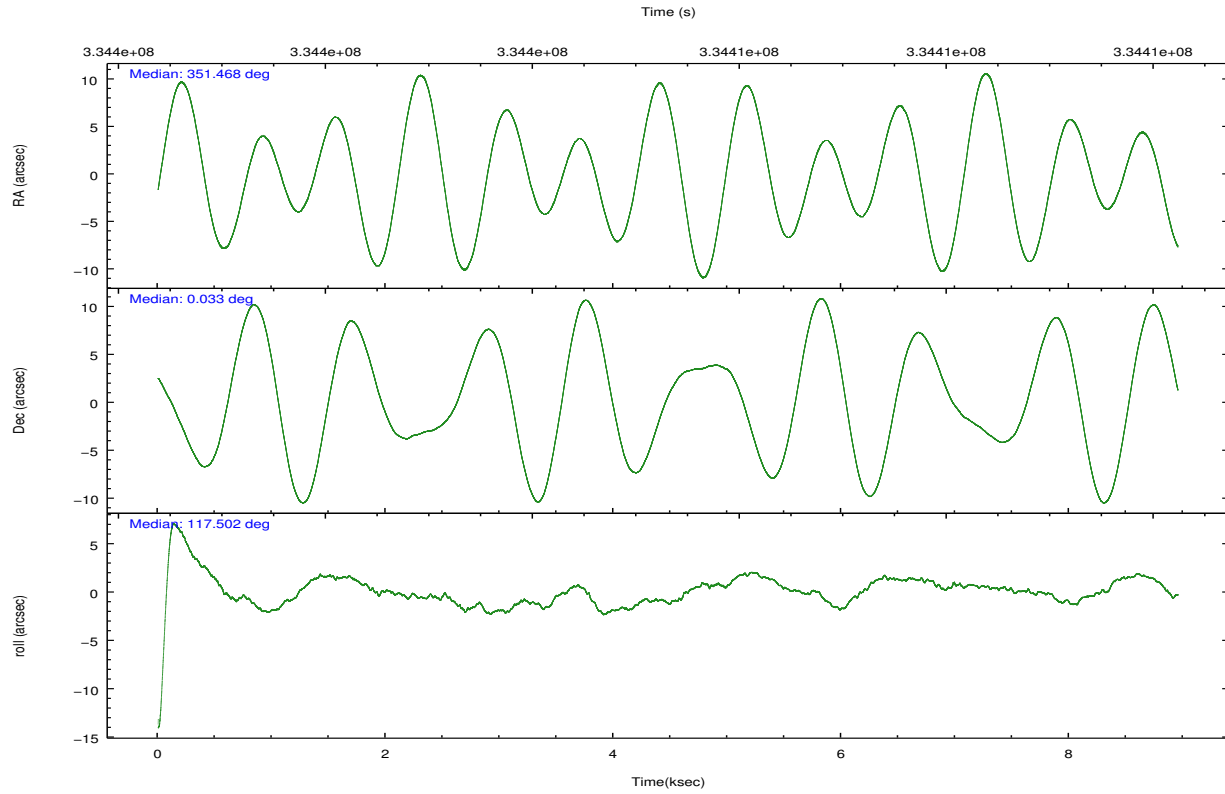
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2581	3139	2848	2486	2728
	3%	4%	3%	3%	3%
grade 1 events	61	44	36	38	41
	0%	0%	0%	0%	0%
grade 2 events	1953	1911	1867	1619	1825
	2%	2%	2%	2%	2%
grade 3 events	836	921	830	811	873
	1%	1%	1%	1%	1%
grade 4 events	832	860	832	766	809
	1%	1%	1%	1%	1%
grade 5 events	2714	3093	2468	3151	3056
	3%	4%	3%	4%	4%
grade 6 events	1468	1794	1409	1492	1674
	2%	2%	1%	1%	2%
grade 7 events	60707	62033	68825	65944	65152
	85%	84%	86%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	351.491309	351.4680823809611	CCD I2 on	Y	Y
[deg] Pointing Dec	0.018416	0.03309969491763364	CCD I3 on	Y	Y
[deg] Pointing Roll	117.299995	117.5086963005456	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	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	334401024.184000	334400648.43451	CCD S5 on	N	N
Observation start date	2008-08-06T09:09:19	2008-08-06T09:04:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	334409795.184000	334409929.29747	On-chip summing requested	N	N
Observation end date	2008-08-06T11:35:30	2008-08-06T11:38:49	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





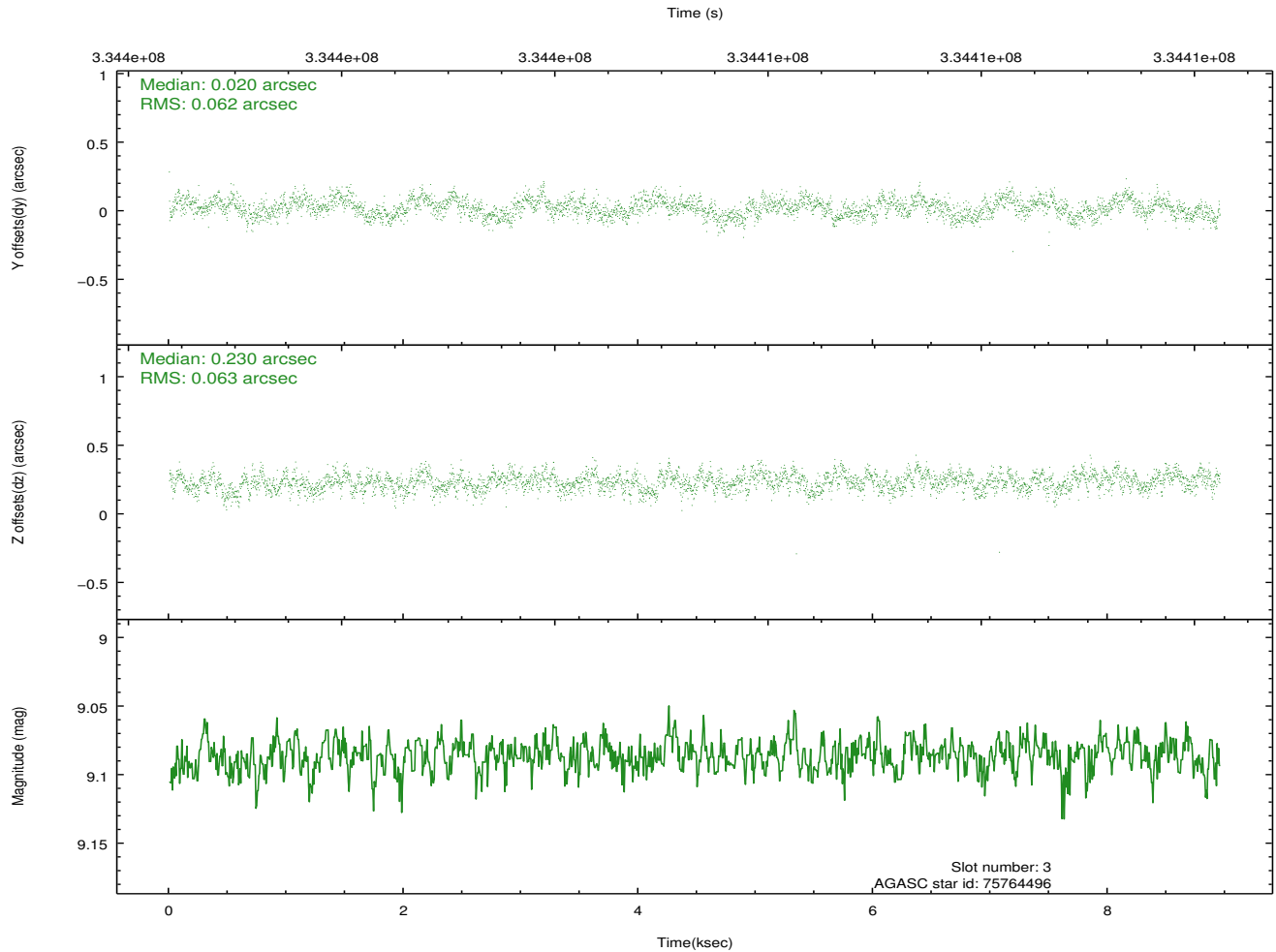
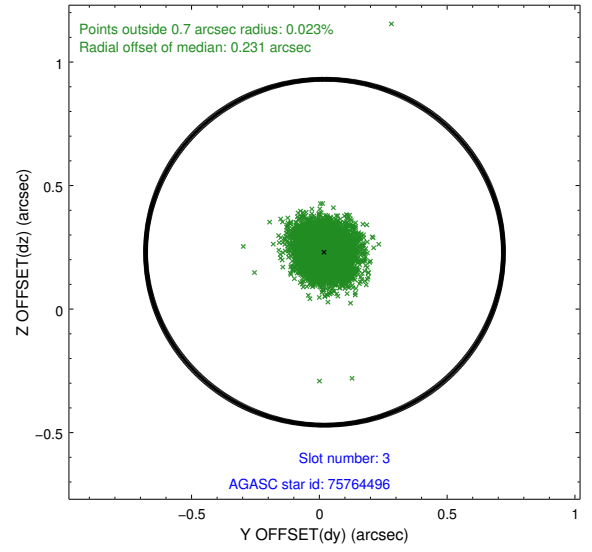
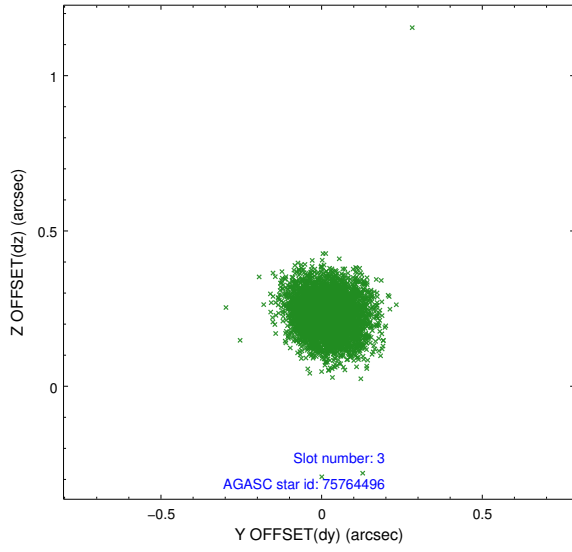
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	2184	0.006	0.045	0.007	0.013	0.000000	0.000000	926.68	-837.24
1	FID	ACIS-I-5	7.05	2184	-0.168	0.032	0.006	0.012	0.000000	0.000000	-1821.28	1059.90
2	FID	ACIS-I-6	7.06	2184	0.071	-0.006	0.007	0.011	0.000000	0.000000	391.60	1705.08
3	GUIDE	75764496	9.09	4364	0.020	0.230	0.093	0.148	351.852841	0.722290	1655.49	-2317.98
4	GUIDE	75768872	9.15	4367	0.002	-0.100	0.136	0.194	350.987165	0.298741	1729.44	1149.62
5	GUIDE	75769104	8.66	4369	-0.094	0.160	0.086	0.132	351.845083	0.370778	543.84	-1712.57
6	GUIDE	75769728	9.54	4367	-0.126	-0.247	0.103	0.167	350.804562	0.151153	1558.73	1977.65
7	GUIDE	687346848	8.77	4347	0.200	-0.043	0.074	0.118	351.544424	-0.463235	-1627.65	625.85

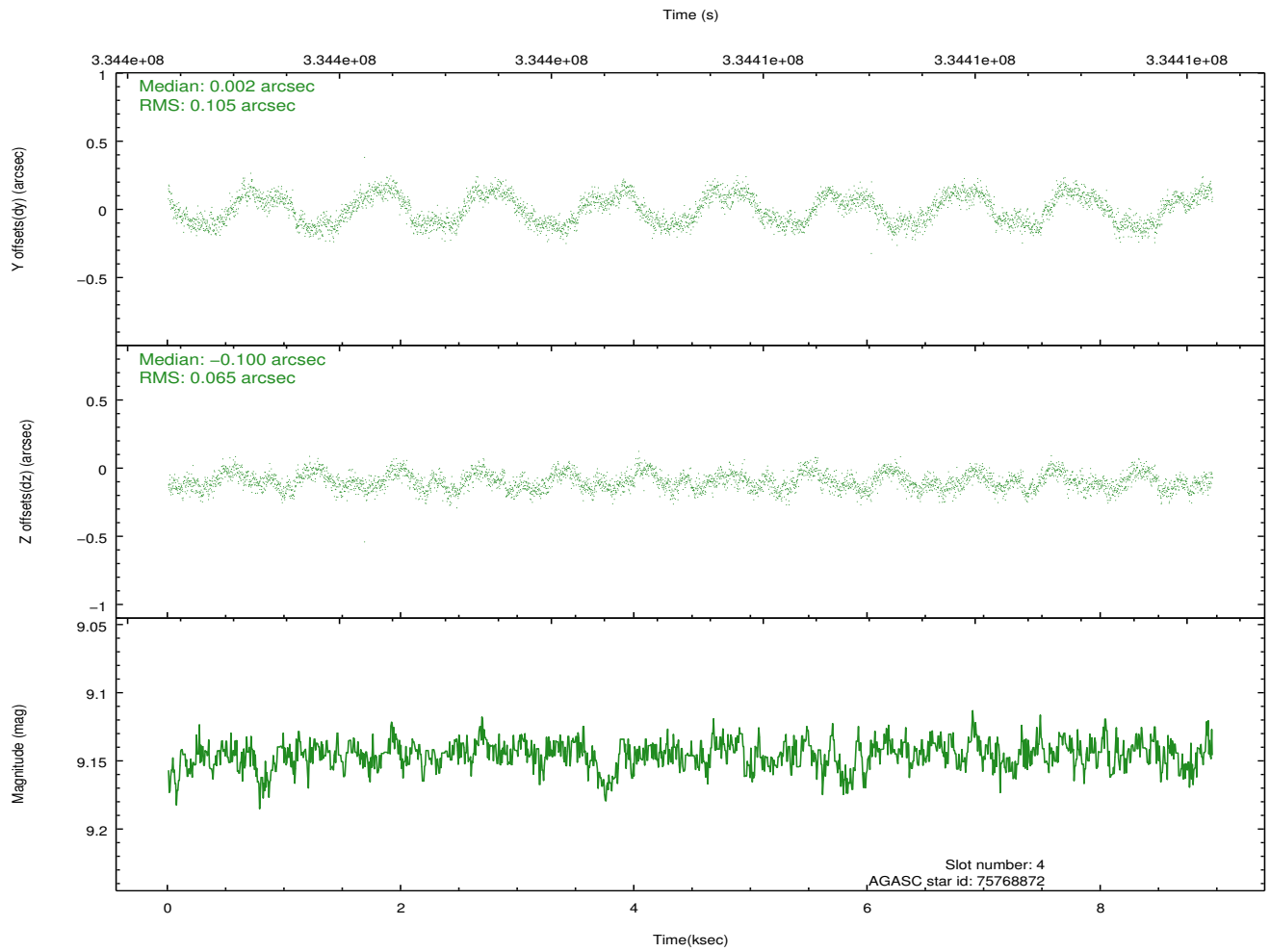
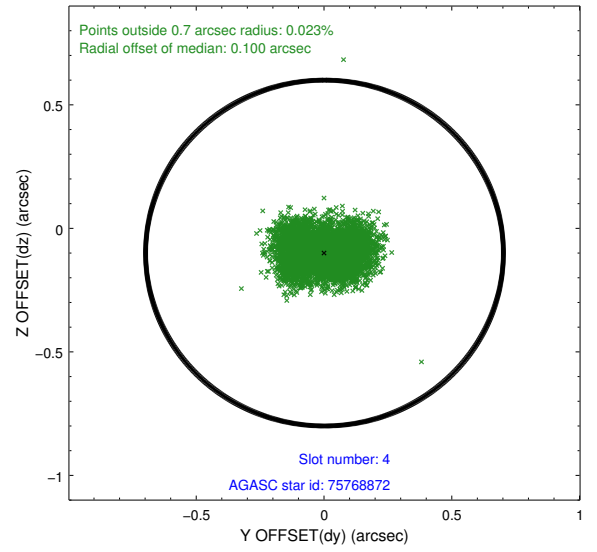
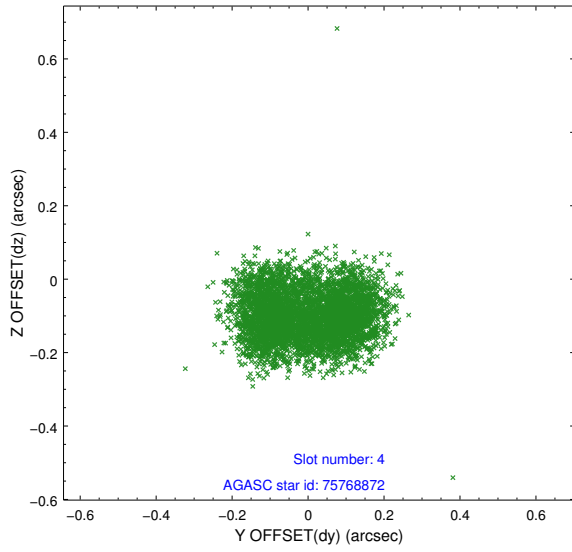
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2.4 Star Slots

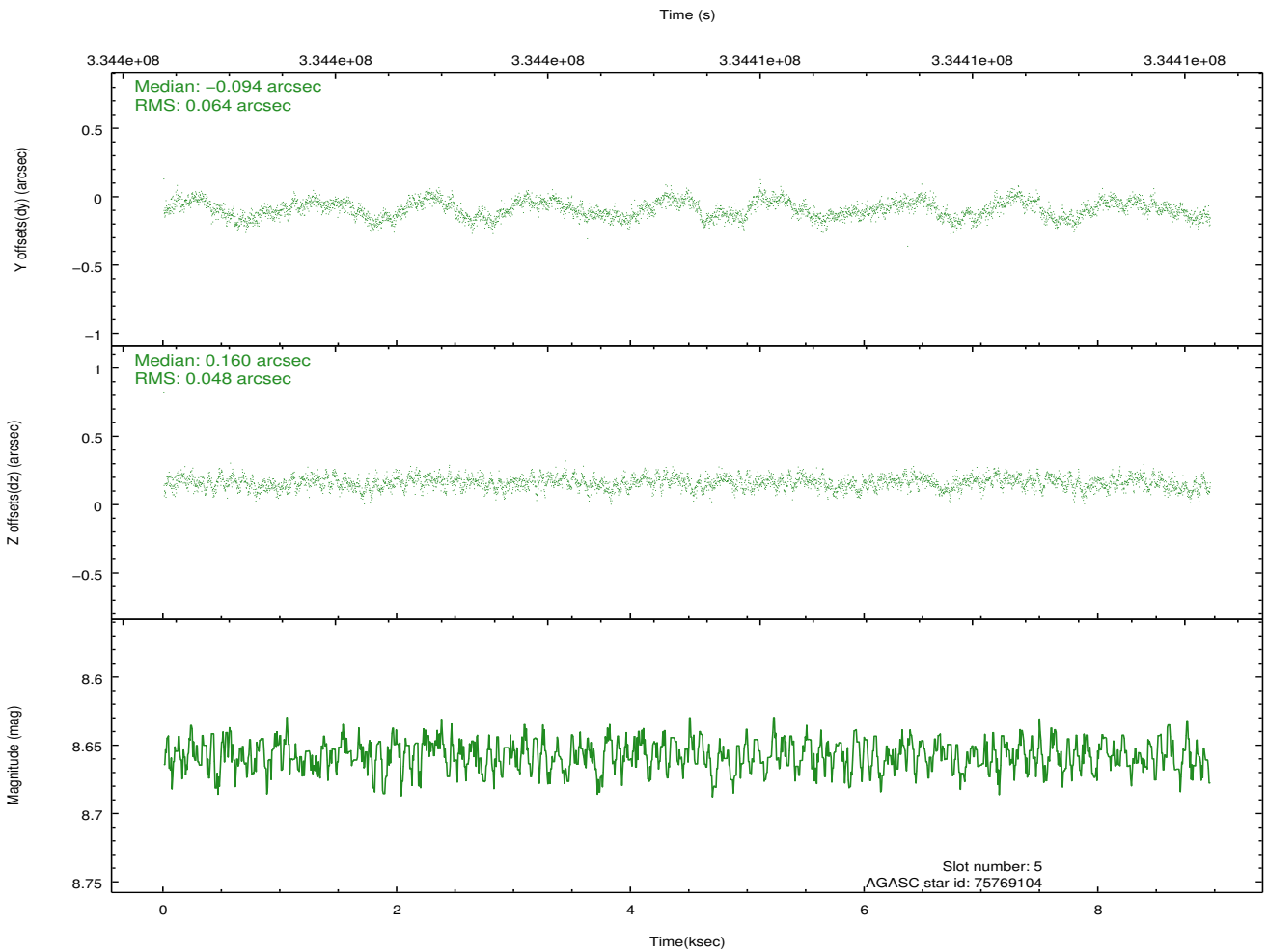
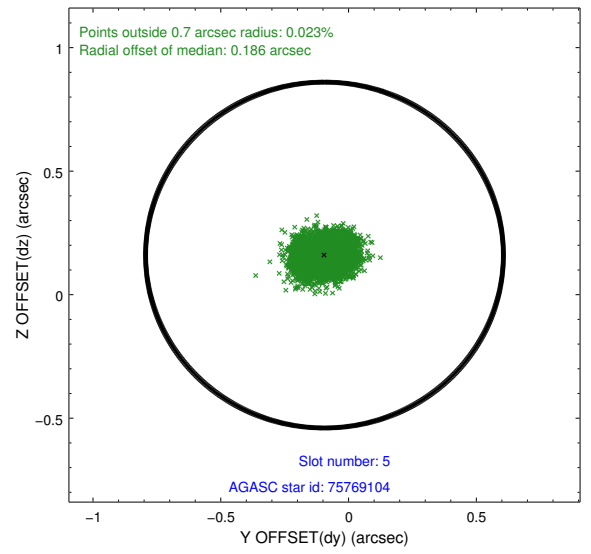
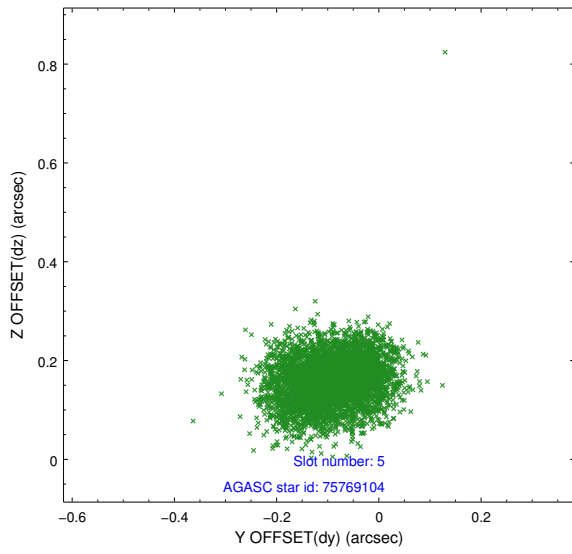
2.4.1 Slot 3



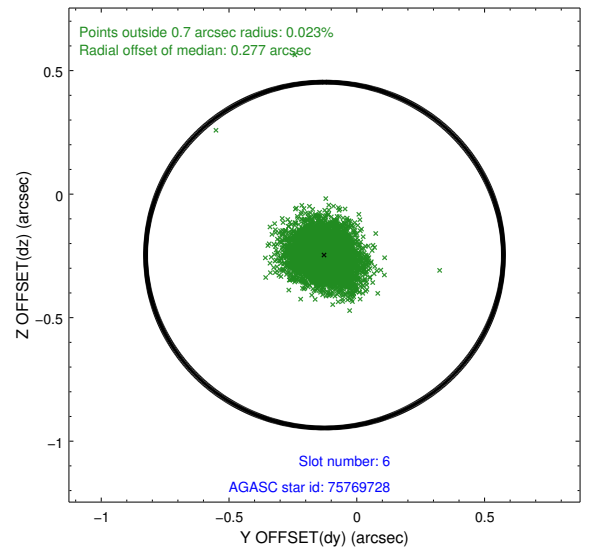
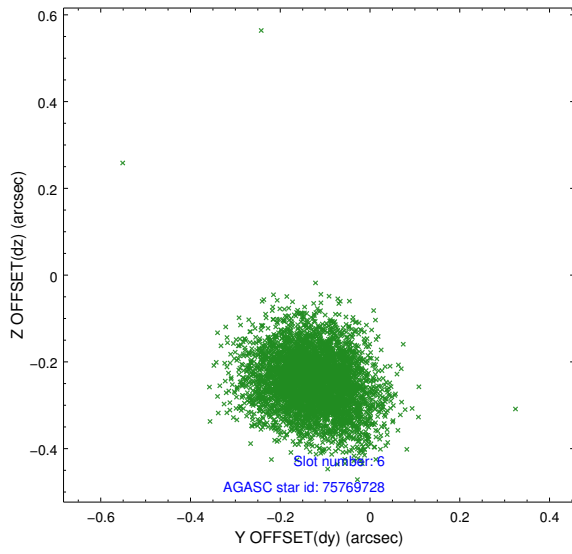
2.4.2 Slot 4



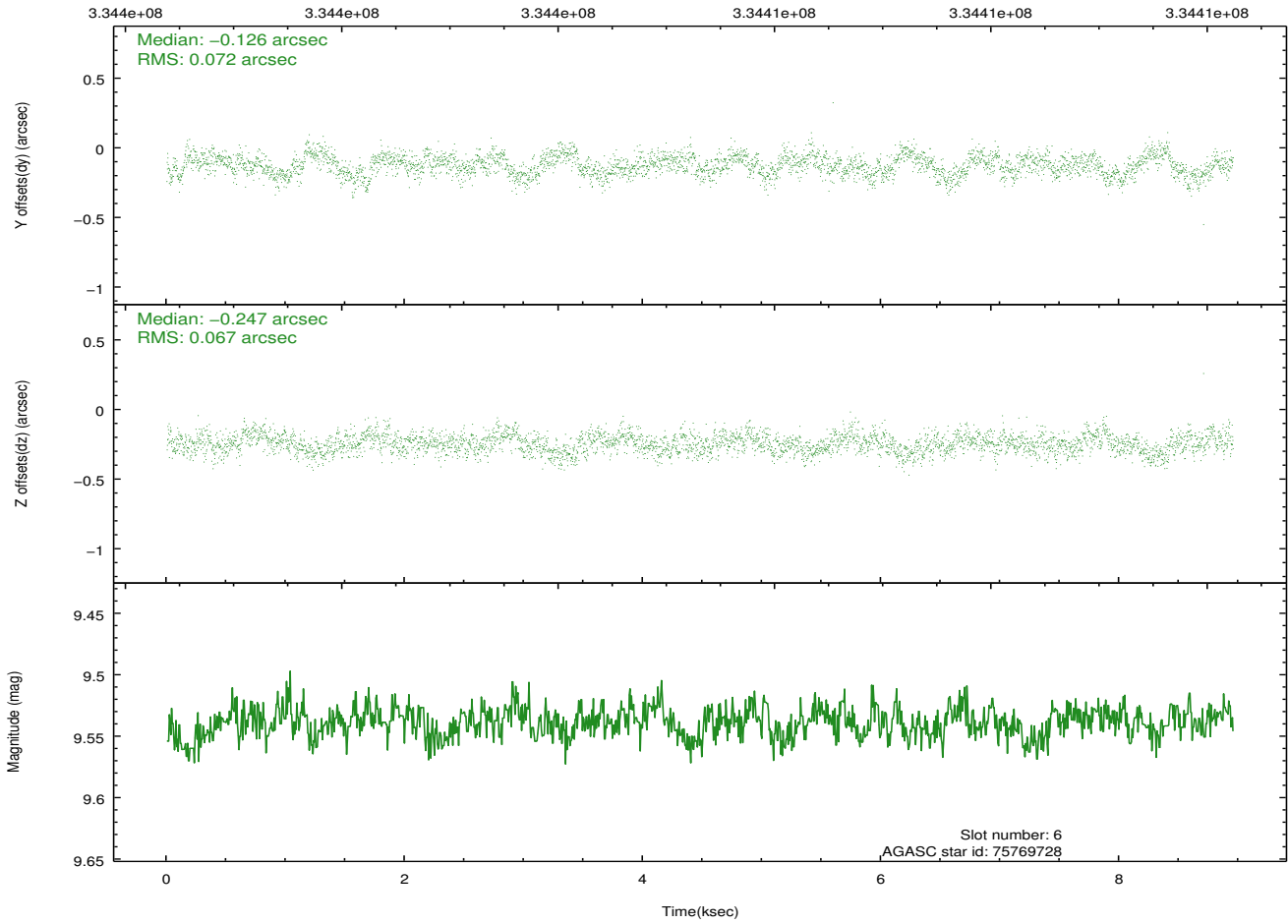
2.4.3 Slot 5



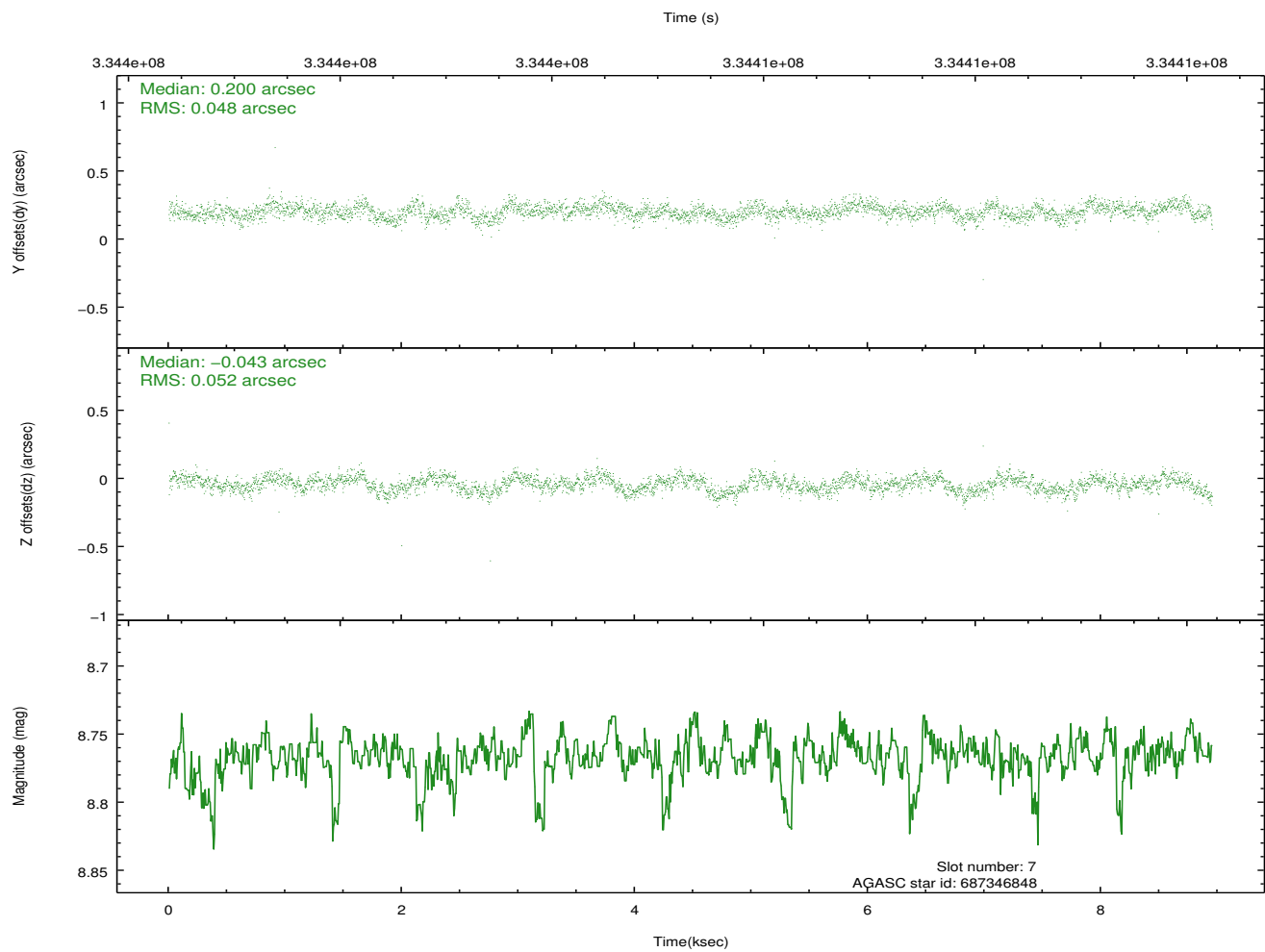
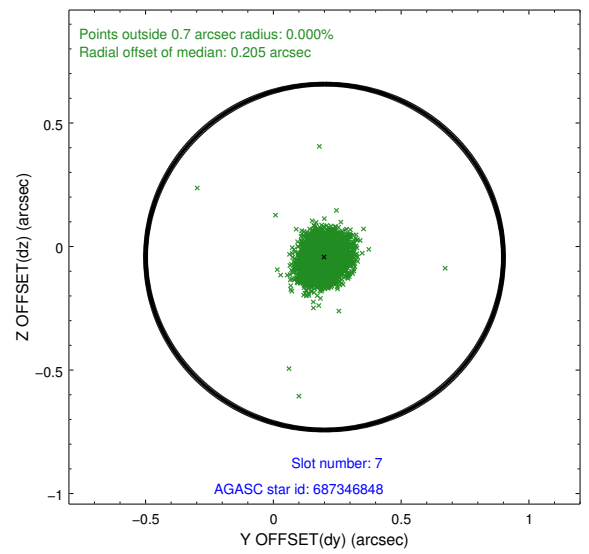
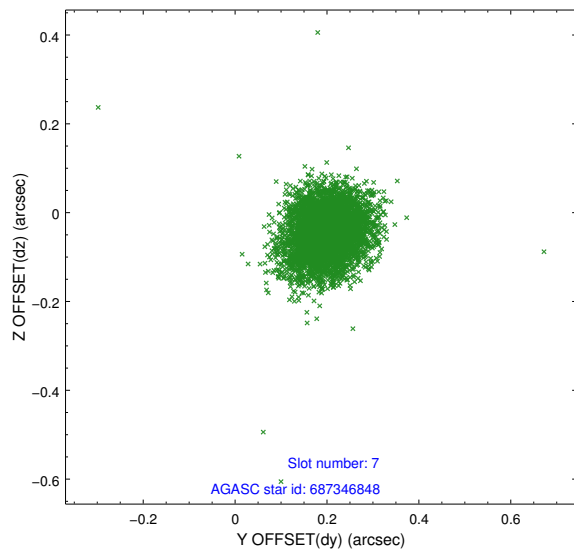
2.4.4 Slot 6



Time (s)

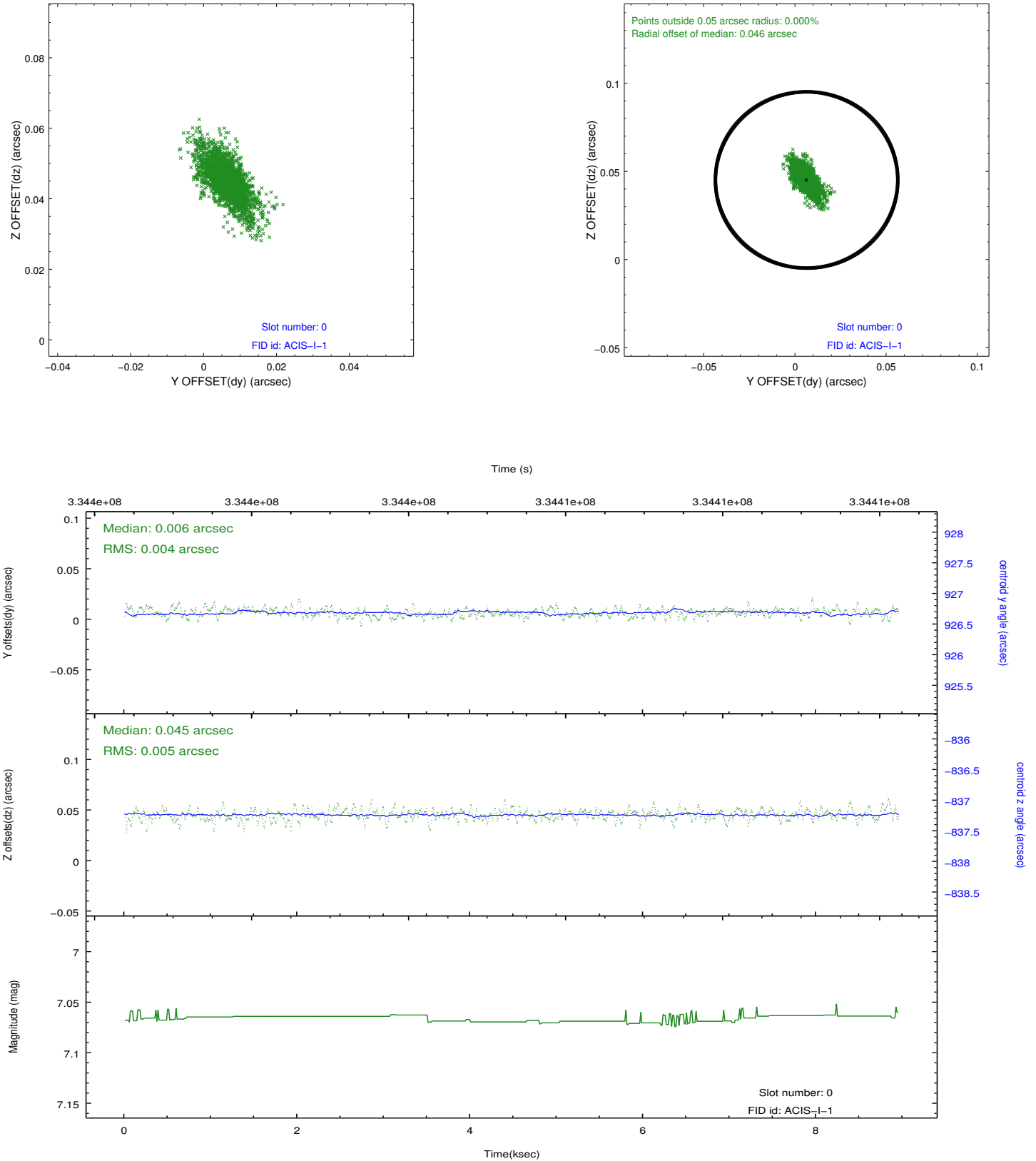


2.4.5 Slot 7

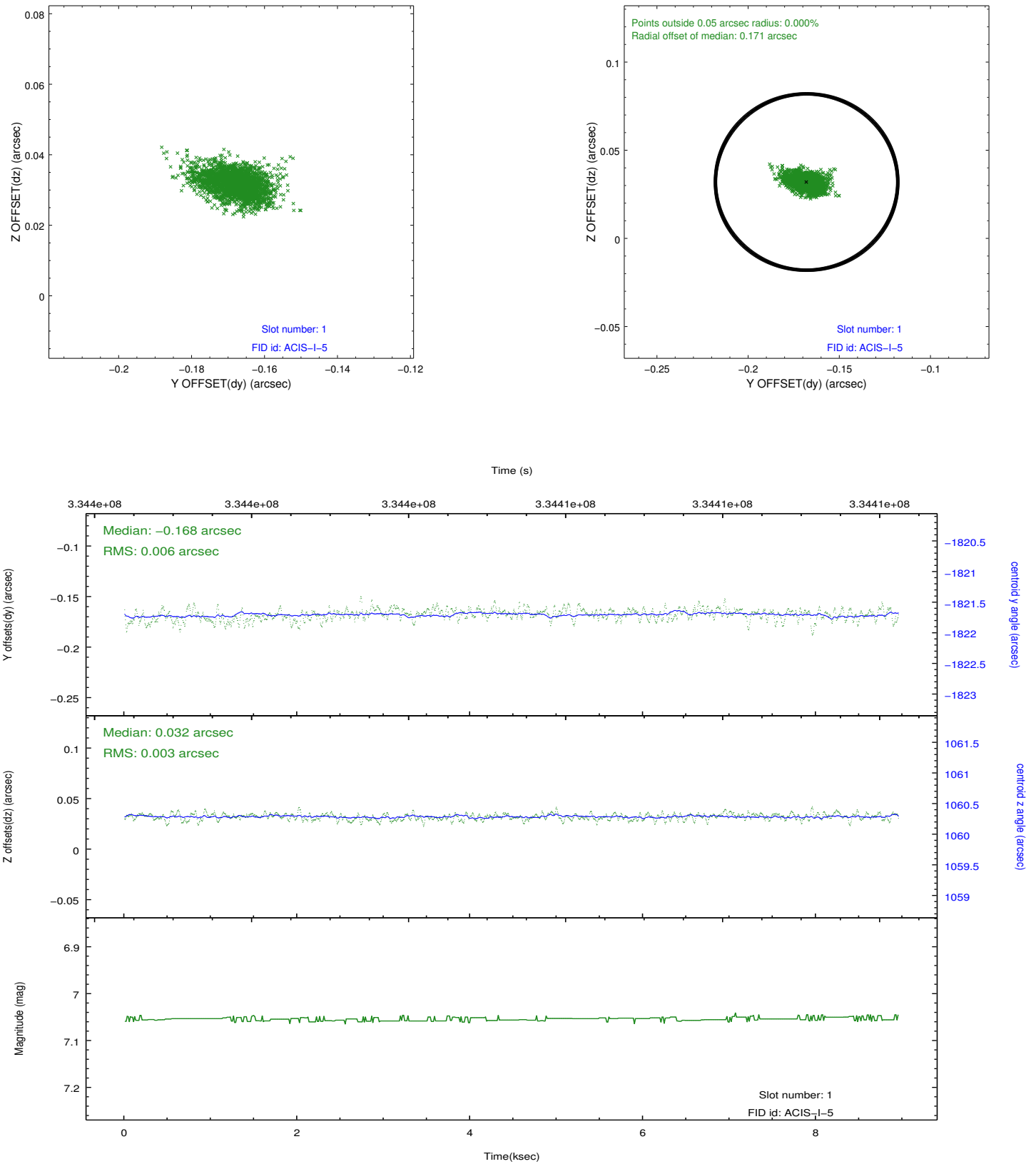


2.5 FID Slots

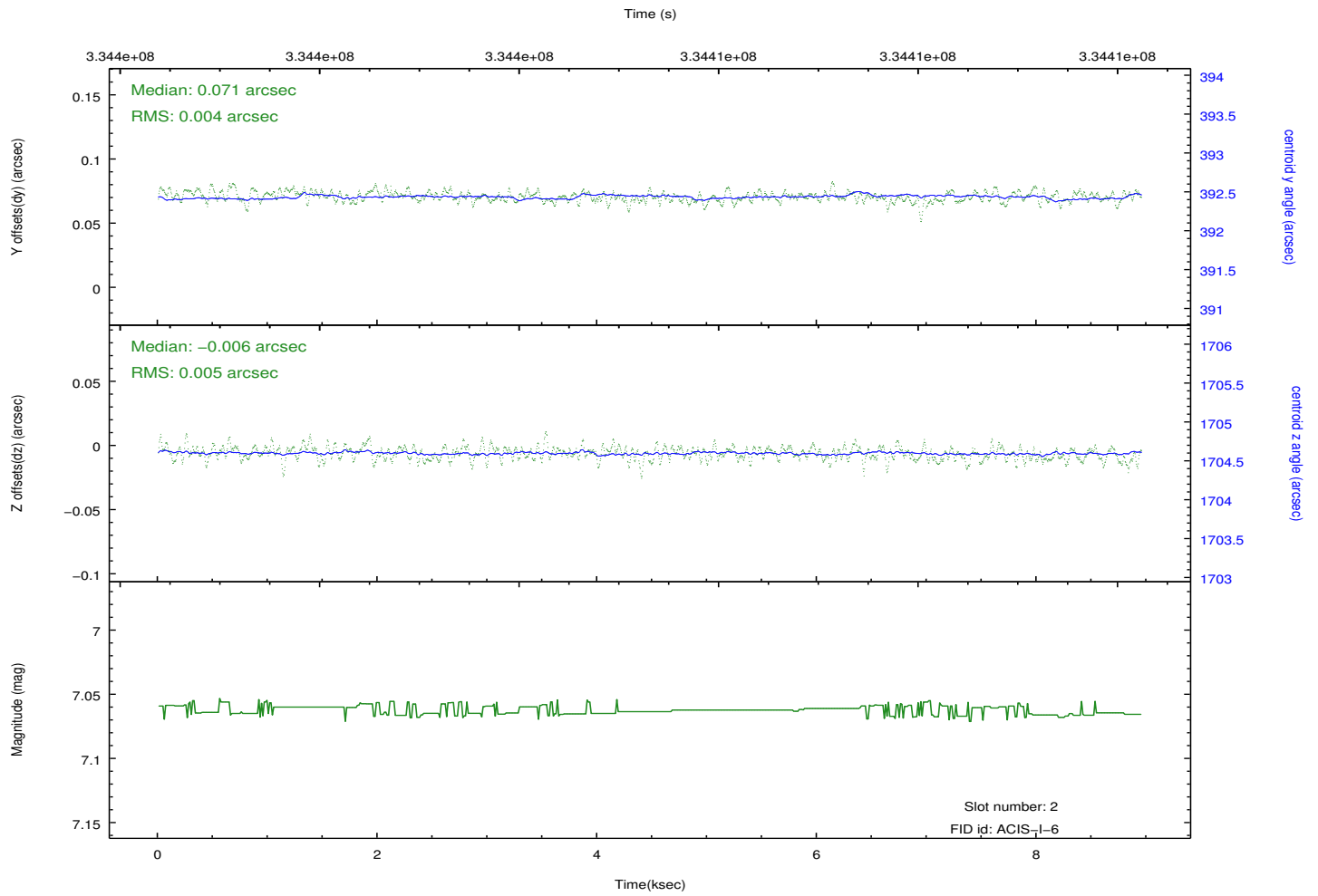
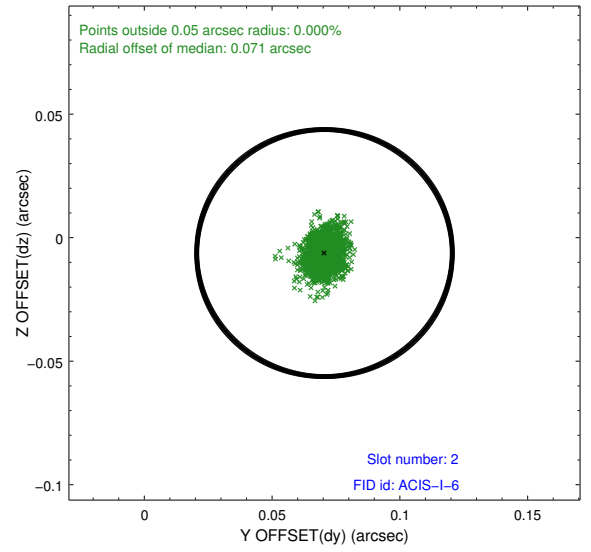
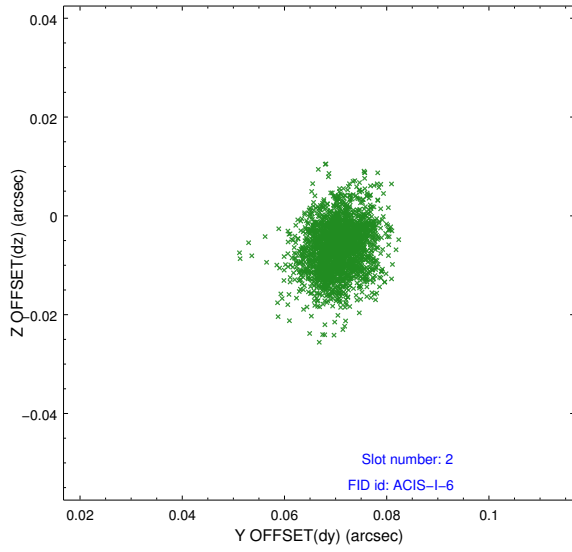
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.95280006

A.2 Comments