

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8029 - L2 Version 3
Chandra X-Ray Center

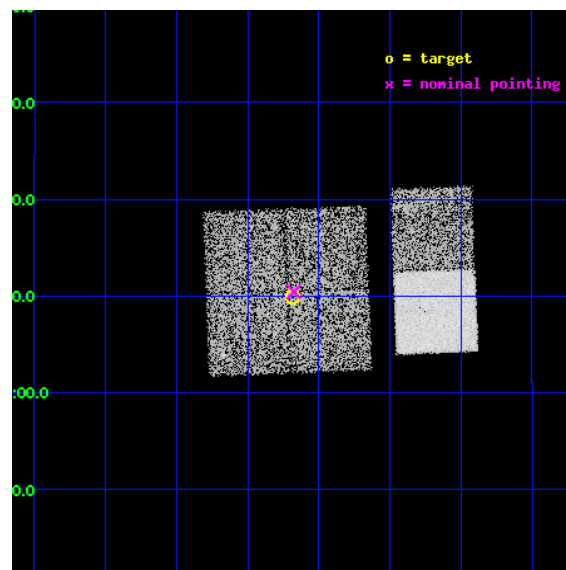
L2 Processing Date : Apr 20 2012

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1 Front

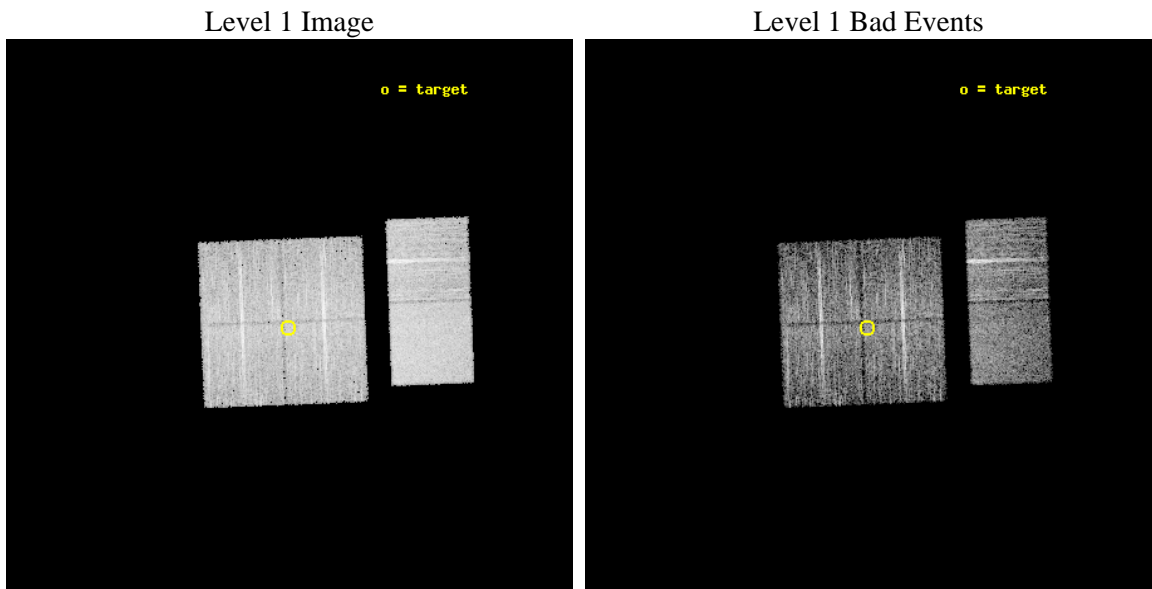
seq_num	900573	Sequence number
obs_id	8029	Observation id
title	Discovering the absorbed AGN population responsible for the hard X-ray background	Proposal title
observer	Ms Simona Soldi	Principal investigator
object	IGR J1335+0710	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.920833	Observer's specified target RA [deg]
dec_targ	7.166111	Observer's specified target Dec [deg]
ra_nom	203.91868400477	Nominal RA [deg]
dec_nom	7.1739444115321	Nominal Dec [deg]
roll_nom	87.790928452152	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4953.2086738348	Sum of GTIs [s]
livetime	4890.4881631425	Livetime [s]
ontime0	4953.0855538249	Sum of GTIs [s]
ontime1	4953.1265938282	Sum of GTIs [s]
ontime2	4953.1676338315	Sum of GTIs [s]
ontime3	4953.2086738348	Sum of GTIs [s]
ontime6	4953.2907538414	Sum of GTIs [s]
ontime7	4953.2497138381	Sum of GTIs [s]
l2events	50002	Number of level 2 events



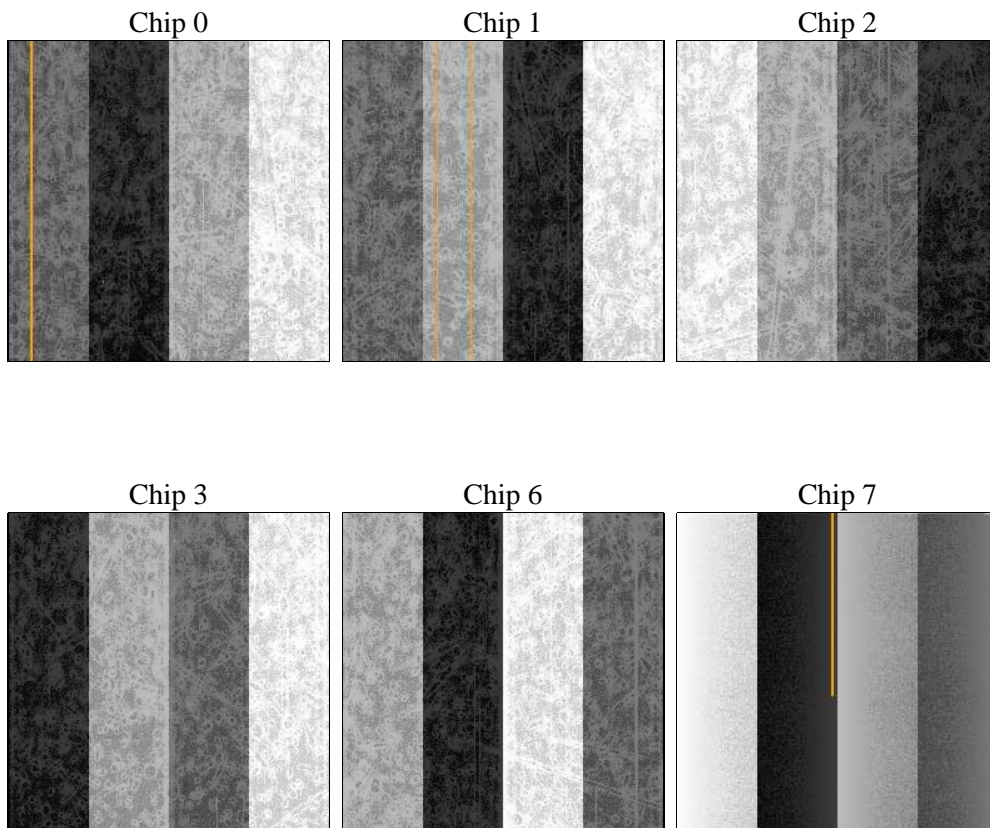
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4953.2086738348	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4953.0855538249	Sum of GTIs [s]
date	2012-04-21T00:48:40	Date and time of file creation	ontime1	4953.1265938282	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4953.1676338315	Sum of GTIs [s]
			ontime3	4953.2086738348	Sum of GTIs [s]
			ontime6	4953.2907538414	Sum of GTIs [s]
			ontime7	4953.2497138381	Sum of GTIs [s]
			l1events	284269	Number of level 1 events

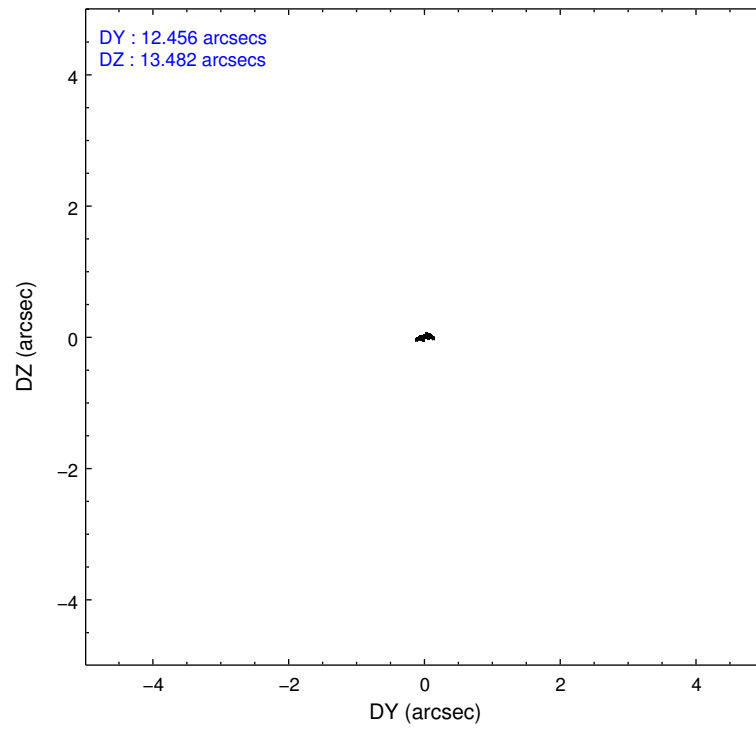
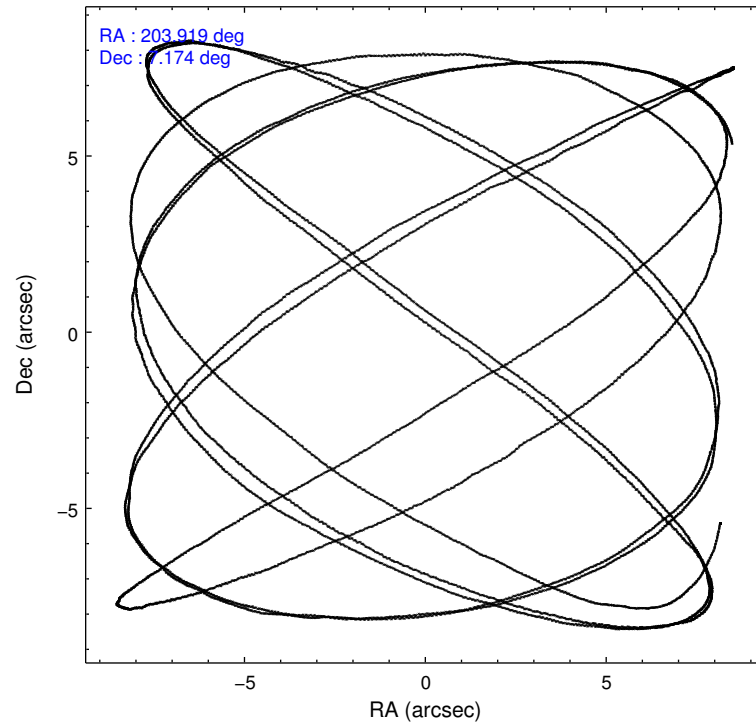
2.1.4 Events

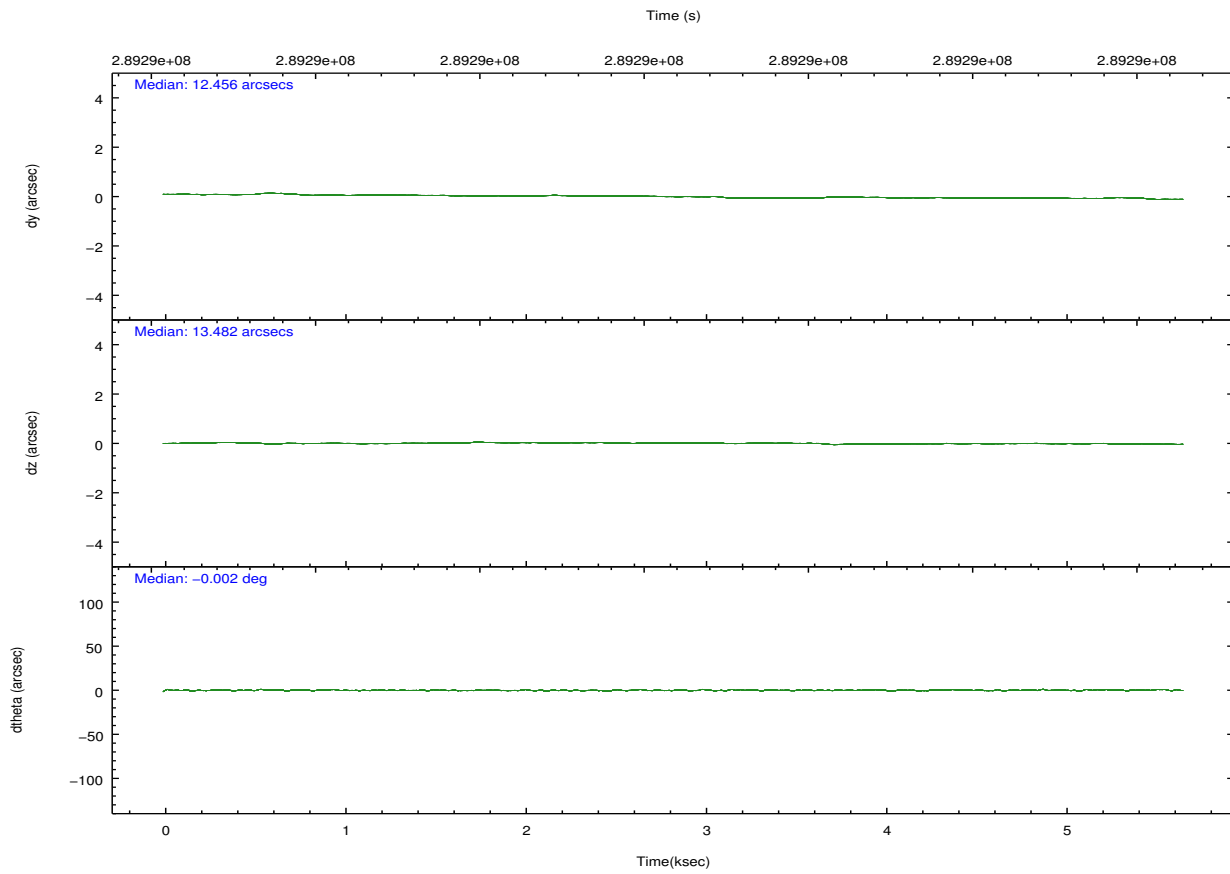
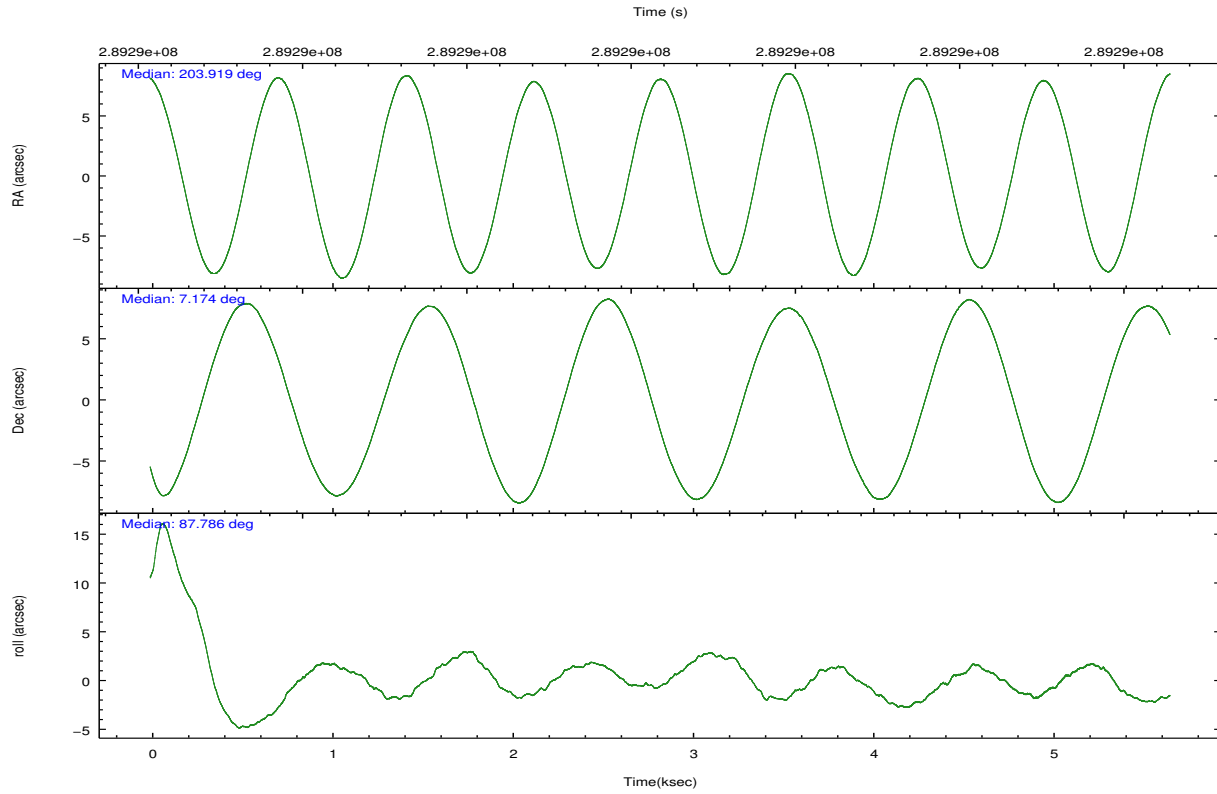
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	42240	43100	44386	43623	48348	62572	grade 0 events	2461	2372	2341	2305	2299	2293
rejected events	36507	37050	39055	38306	42592	36416		5%	5%	5%	5%	4%	3%
rejected %	86%	85%	87%	87%	88%	58%	grade 1 events	22	27	28	35	25	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	1210	1406	1129	1041	1221	5249
								2%	3%	2%	2%	2%	8%
							grade 3 events	545	582	524	523	511	2213
								1%	1%	1%	1%	1%	3%
							grade 4 events	517	570	497	511	534	2194
								1%	1%	1%	1%	1%	3%
							grade 5 events	1790	2041	1778	2128	2173	5970
								4%	4%	4%	4%	4%	9%
							grade 6 events	1004	1129	848	946	1202	14242
								2%	2%	1%	2%	2%	22%
							grade 7 events	34691	34973	37241	36134	40383	30340
								82%	81%	83%	82%	83%	48%

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	203.931734	203.9186840047661	CCD I2 on	Y	Y
[deg] Pointing Dec	7.149640	7.173944411532075	CCD I3 on	Y	Y
[deg] Pointing Roll	87.580615	87.79092845215226	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)	289288003.184000	289286748.79358	CCD S5 on	N	N
Observation start date	2007-03-03T05:45:38	2007-03-03T05:25:48	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	289293003.184000	289293746.46891	On-chip summing requested	N	N
Observation end date	2007-03-03T07:08:58	2007-03-03T07:22:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



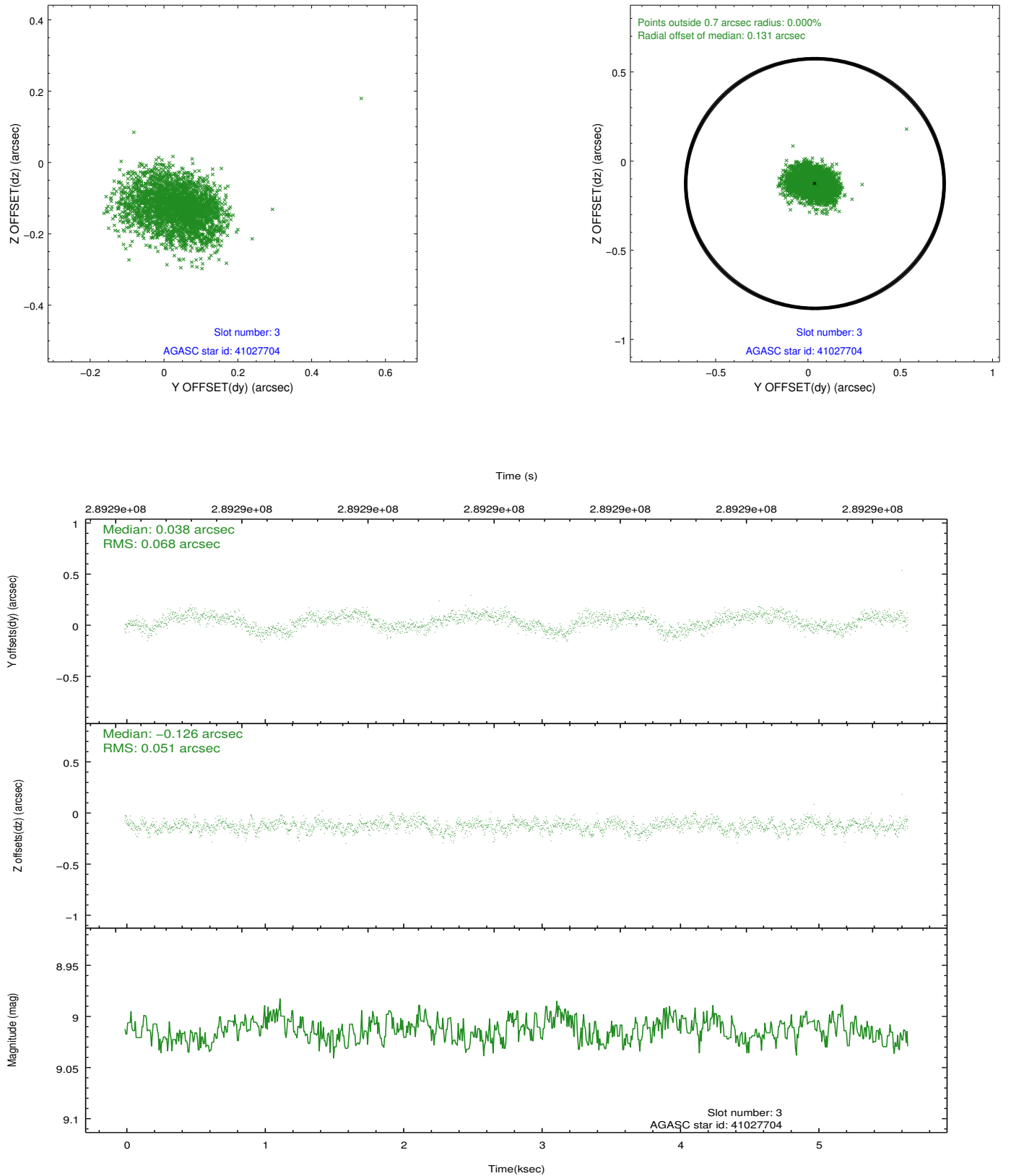


Slot Statistics

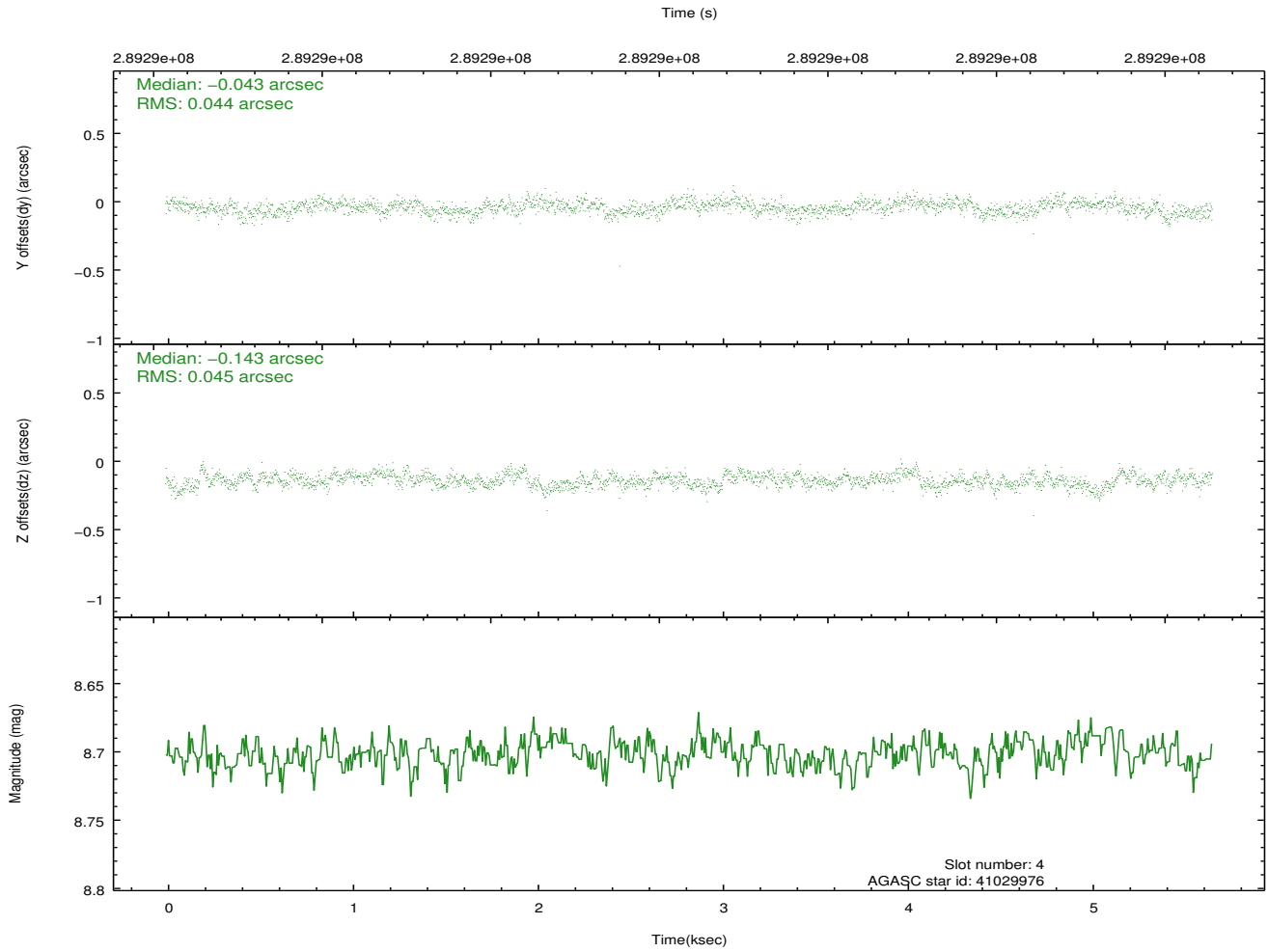
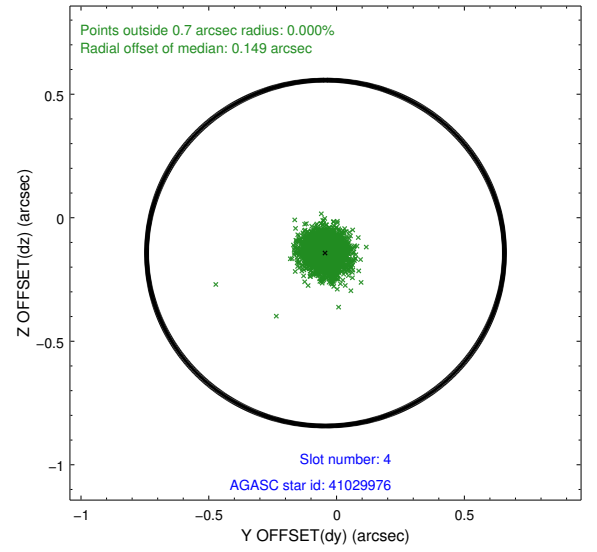
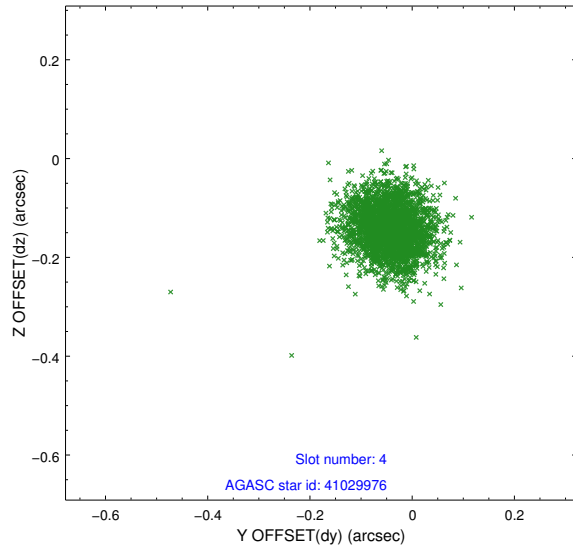
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1380	0.031	0.016	0.006	0.010	0.000000	0.000000	927.11	-837.03
1	FID	ACIS-I-5	7.22	1380	-0.199	0.044	0.006	0.009	0.000000	0.000000	-1820.65	1059.96
2	FID	ACIS-I-6	7.25	1380	0.077	0.011	0.006	0.011	0.000000	0.000000	391.54	1705.63
3	GUIDE	41027704	9.01	2759	0.038	-0.126	0.091	0.144	203.902825	7.055395	-343.16	88.89
4	GUIDE	41029976	8.70	2761	-0.043	-0.143	0.067	0.109	203.776342	6.841011	-1134.03	508.69
5	GUIDE	41030632	9.38	2759	-0.077	0.293	0.103	0.161	203.975459	6.785793	-1302.40	-210.92
6	GUIDE	41034688	9.72	2755	0.072	0.105	0.095	0.154	204.211948	6.618630	-1867.93	-1082.26
7	GUIDE	41034384	9.08	2758	0.016	-0.127	0.082	0.131	203.812478	6.509624	-2320.49	328.40

2.4 Star Slots

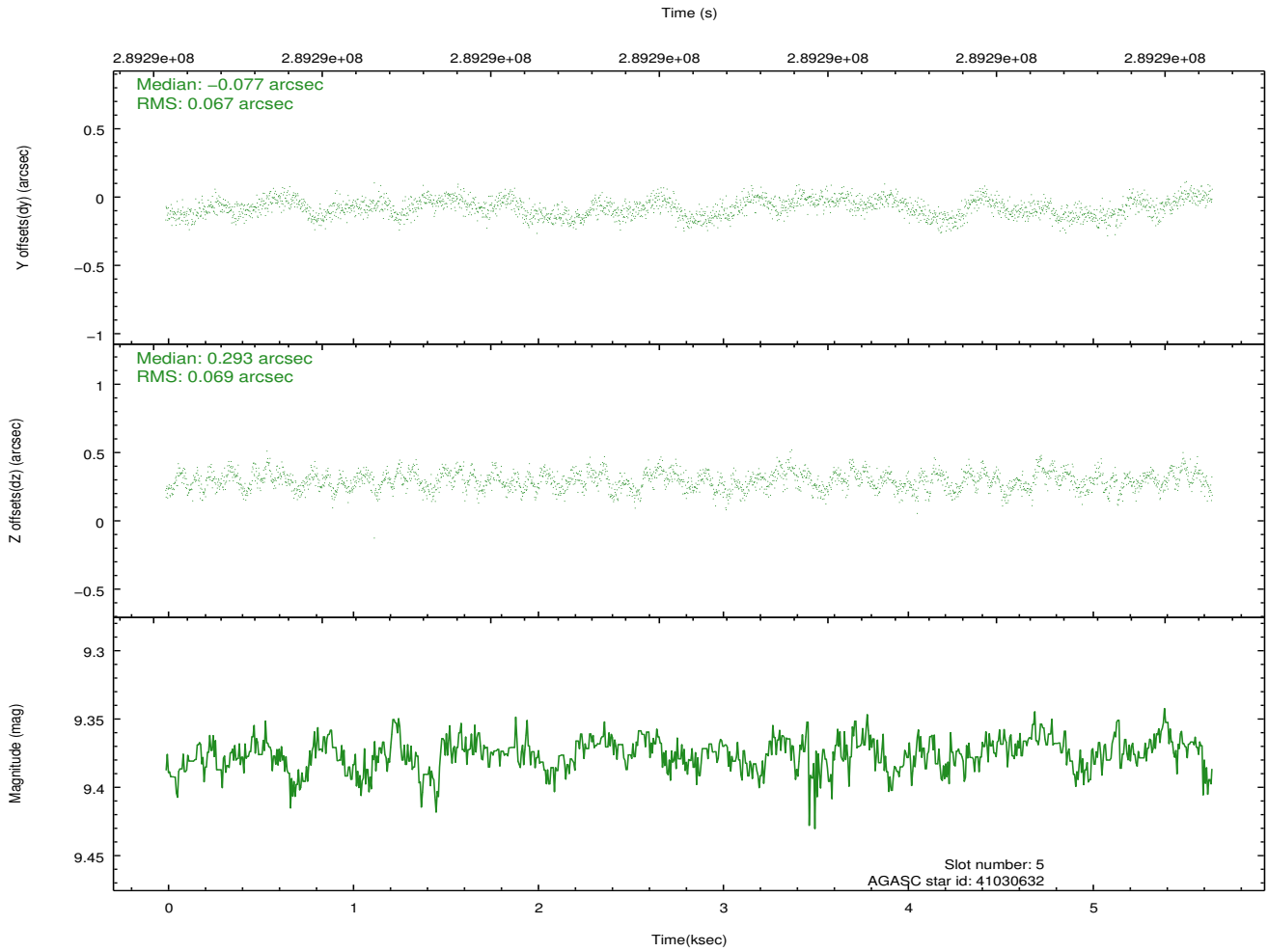
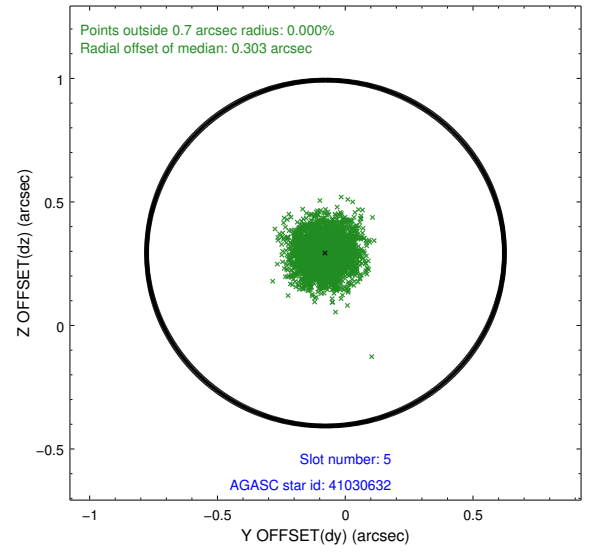
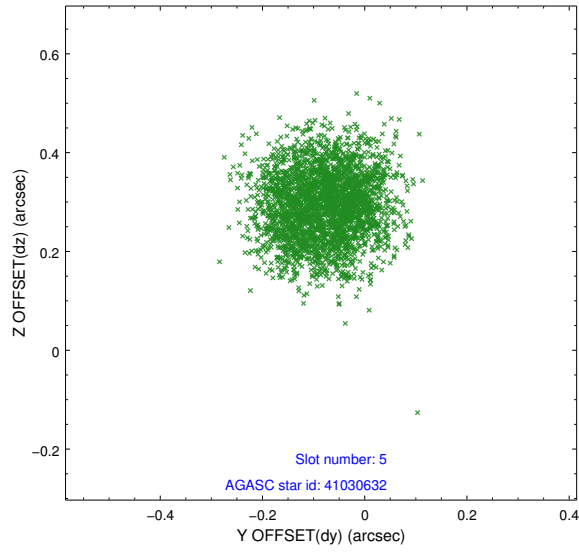
2.4.1 Slot 3



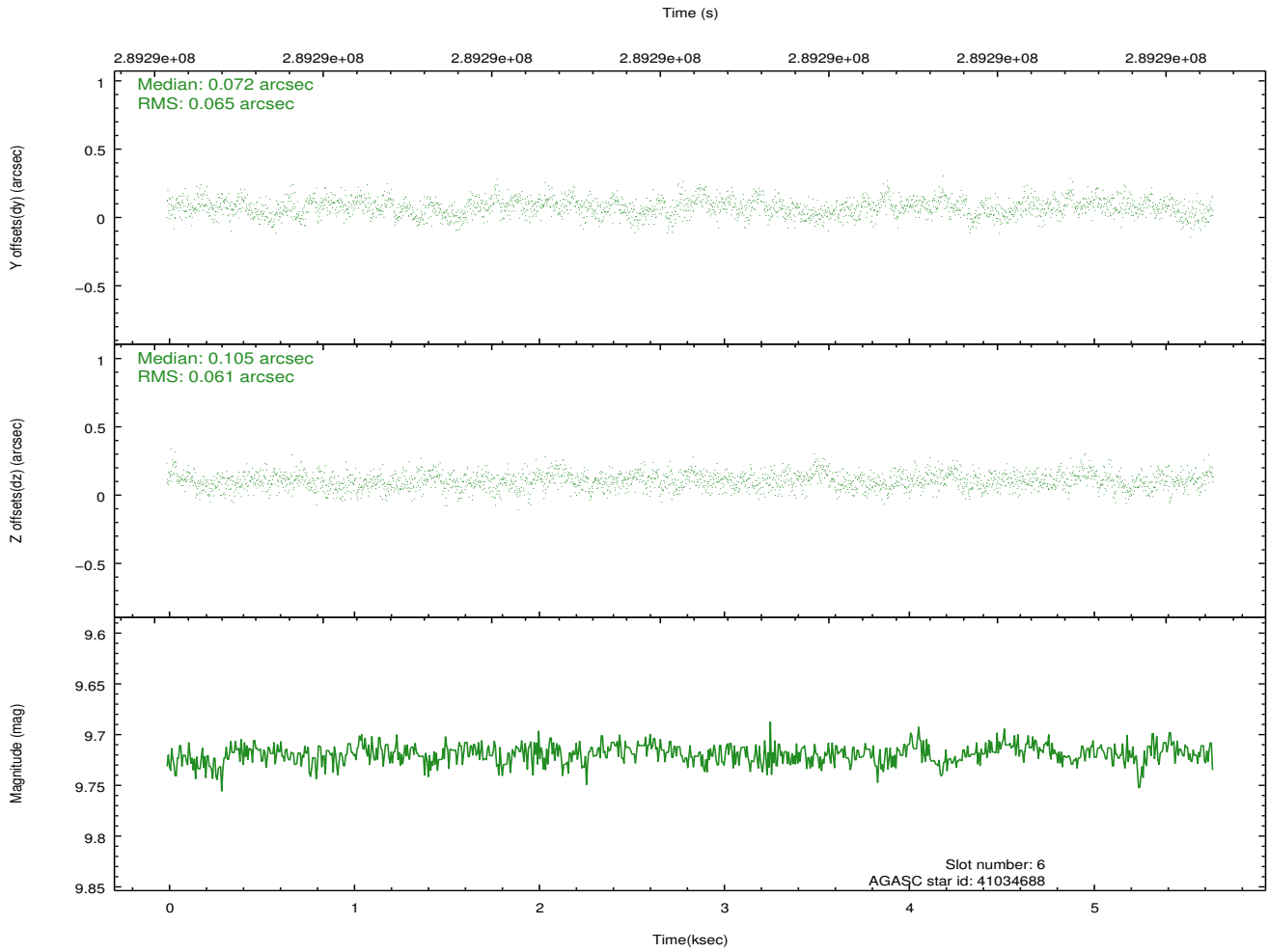
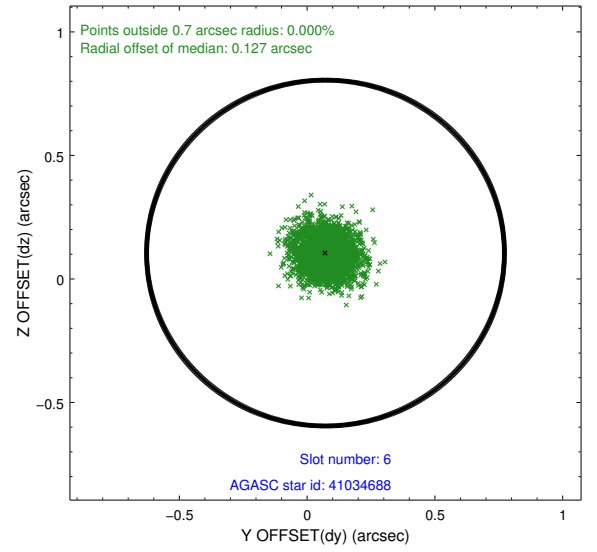
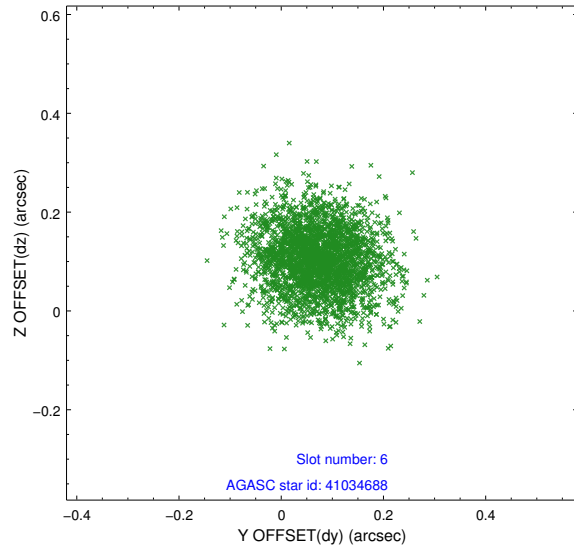
2.4.2 Slot 4



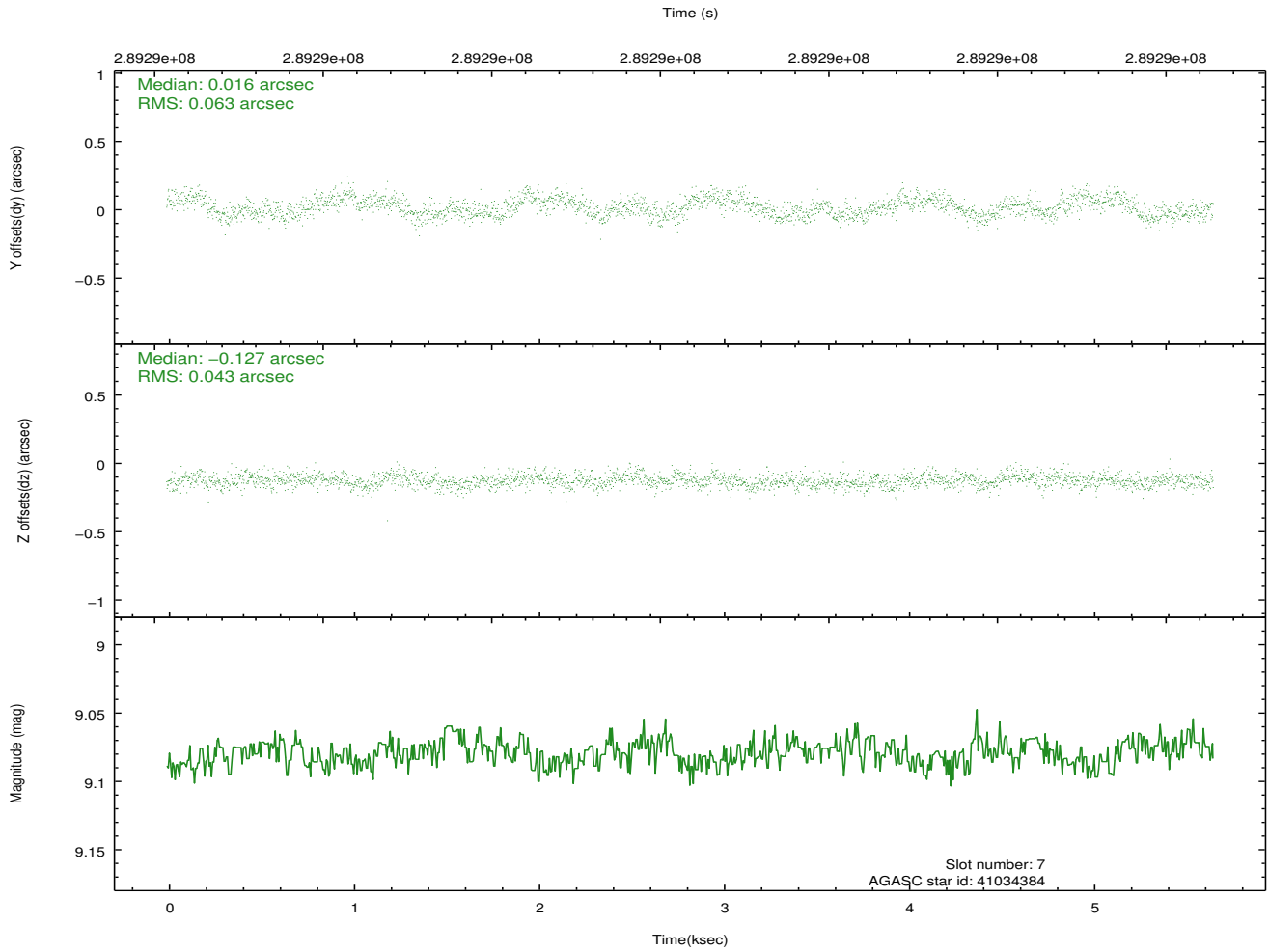
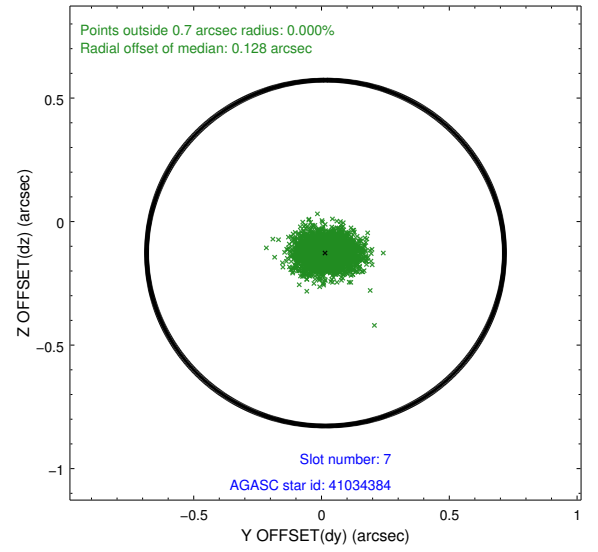
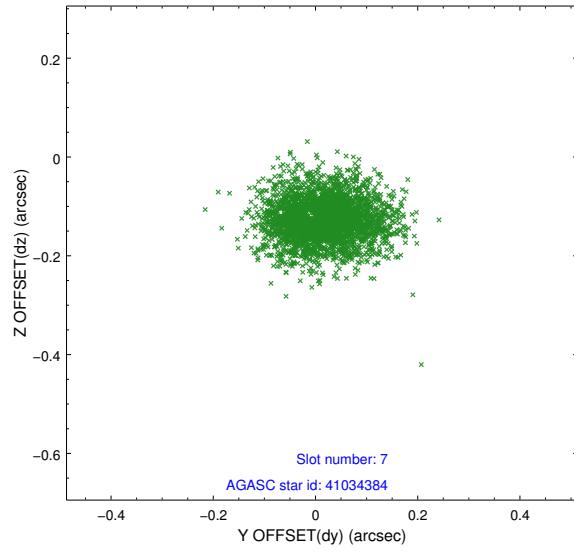
2.4.3 Slot 5



2.4.4 Slot 6

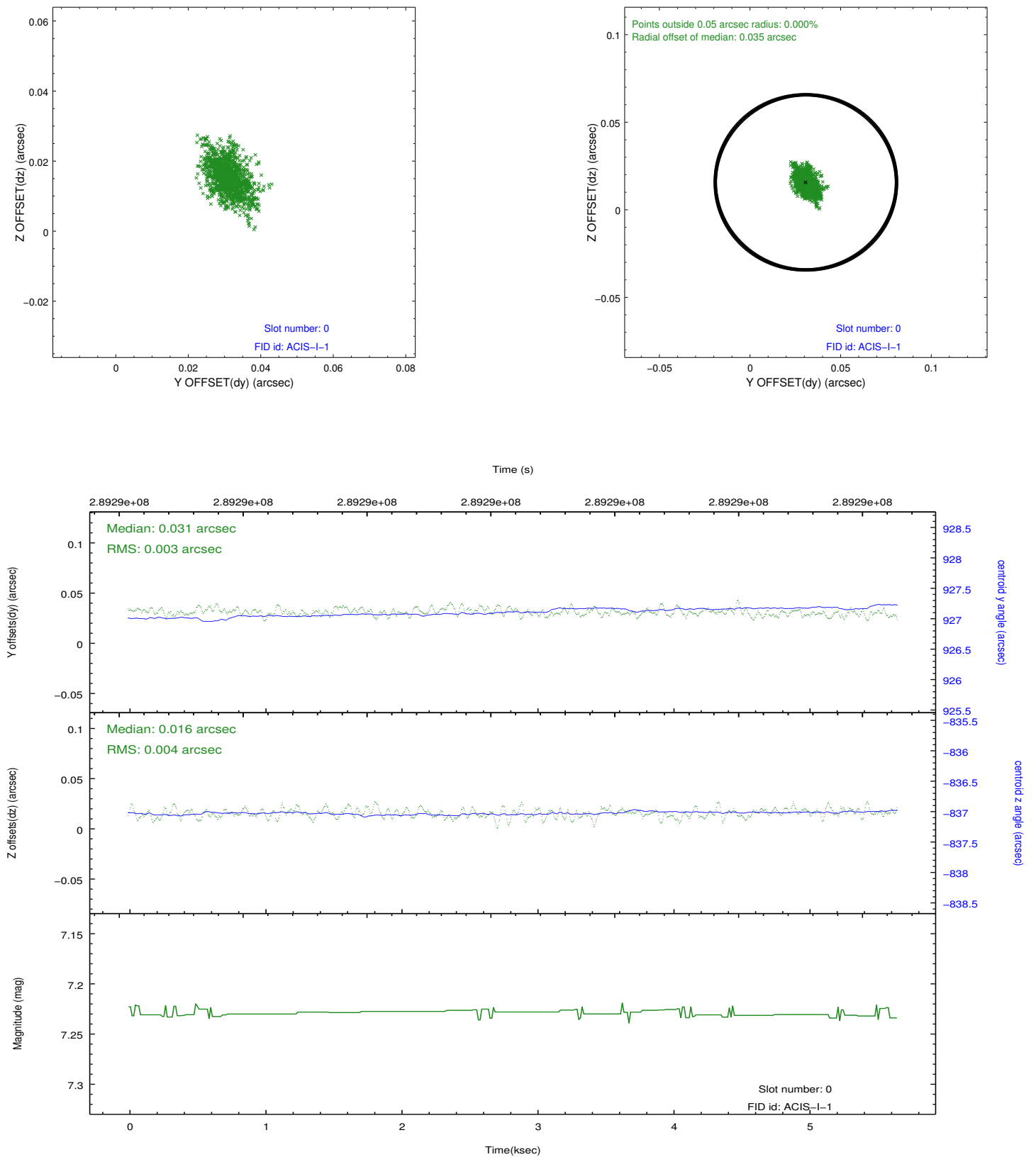


2.4.5 Slot 7

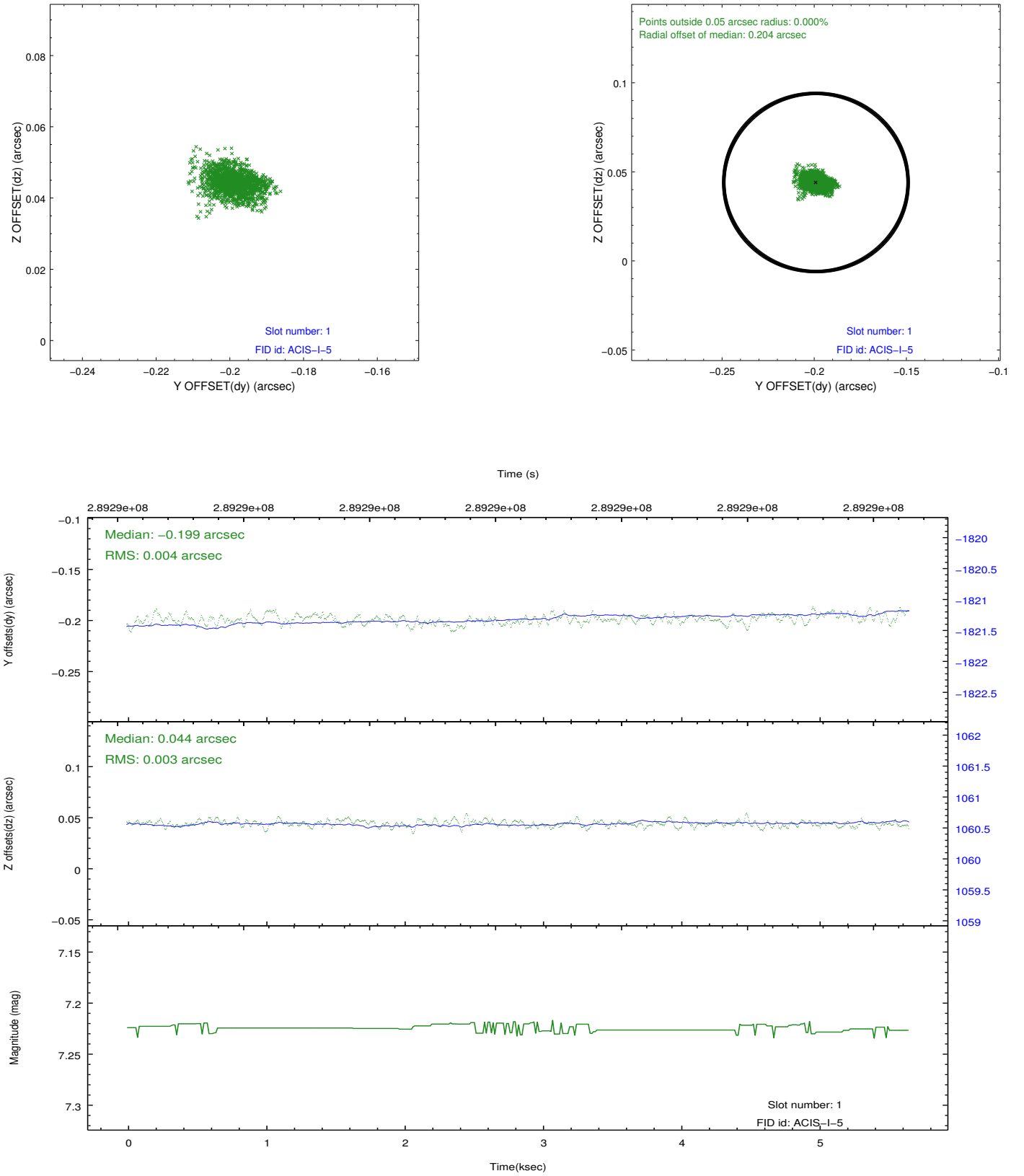


2.5 FID Slots

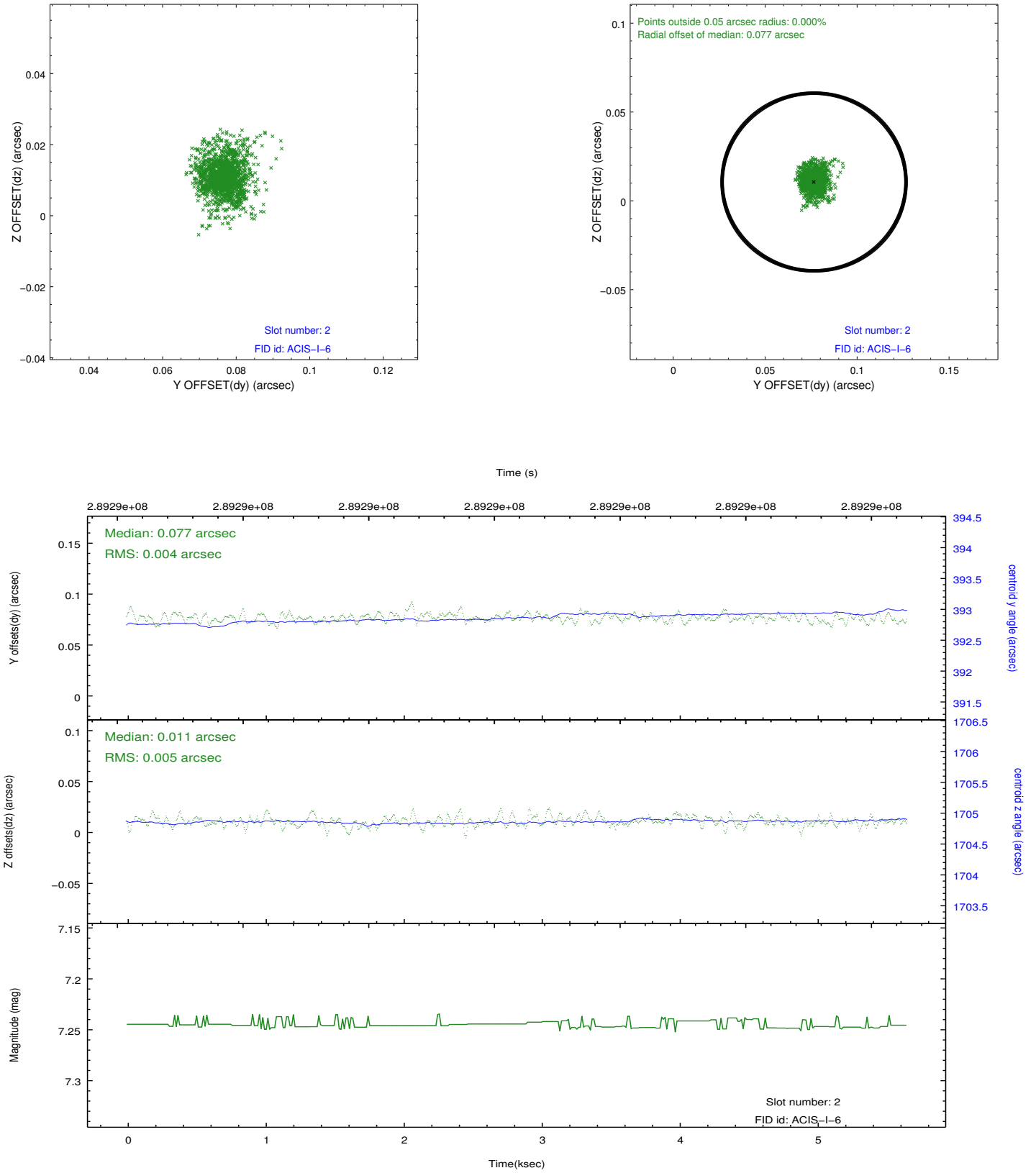
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95359998

A.2 Comments