

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9063 - L2 Version 2
Chandra X-Ray Center

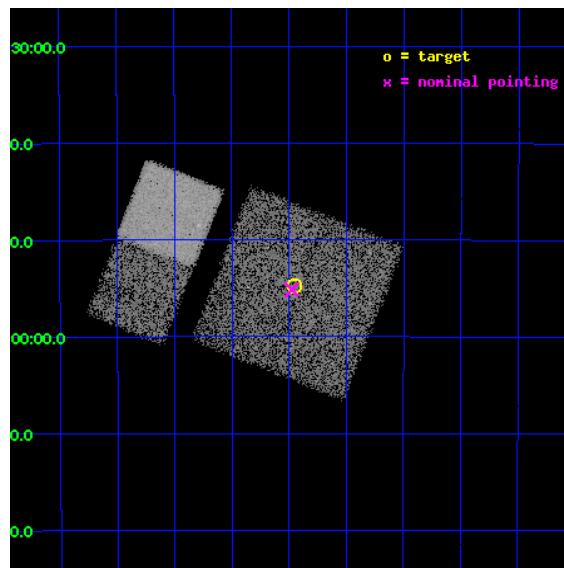
L2 Processing Date : May 18 2012

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

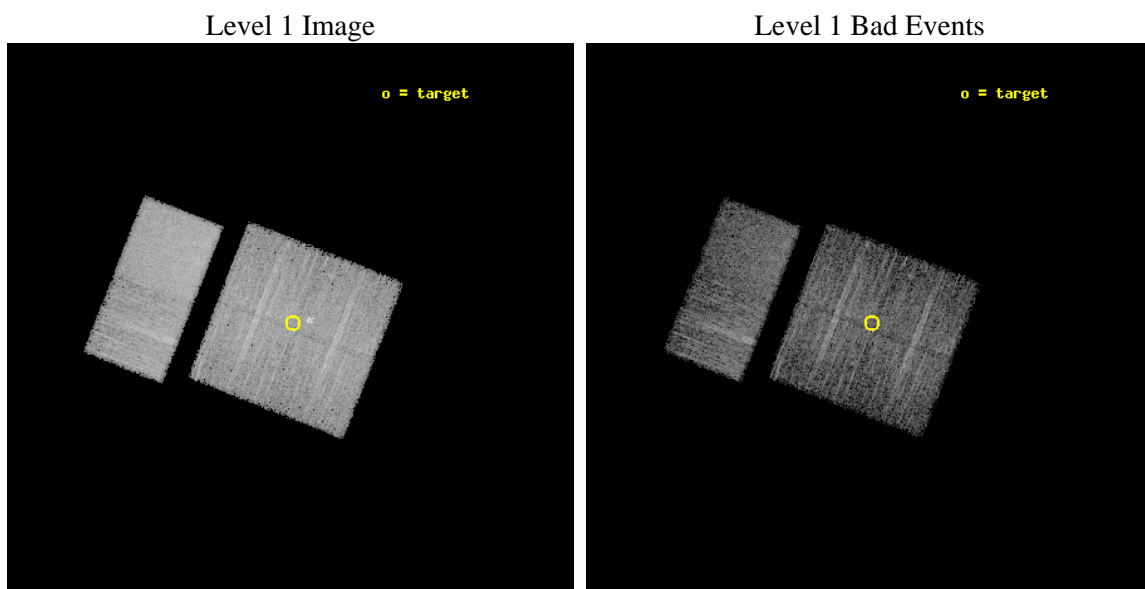
seq_num	400914	Sequence number
obs_id	9063	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17404-3655	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.1125	Observer's specified target RA [deg]
dec_targ	-36.913056	Observer's specified target Dec [deg]
ra_nom	265.11897934392	Nominal RA [deg]
dec_nom	-36.919520071663	Nominal Dec [deg]
roll_nom	291.51990041252	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4956.7999815941	Sum of GTIs [s]
livetime	4894.0339956005	Livetime [s]
ontime0	4956.7999815941	Sum of GTIs [s]
ontime1	4956.7999815941	Sum of GTIs [s]
ontime2	4956.7999815941	Sum of GTIs [s]
ontime3	4956.7999815941	Sum of GTIs [s]
ontime6	4956.7999815941	Sum of GTIs [s]
ontime7	4956.7999815941	Sum of GTIs [s]
l2events	53098	Number of level 2 events



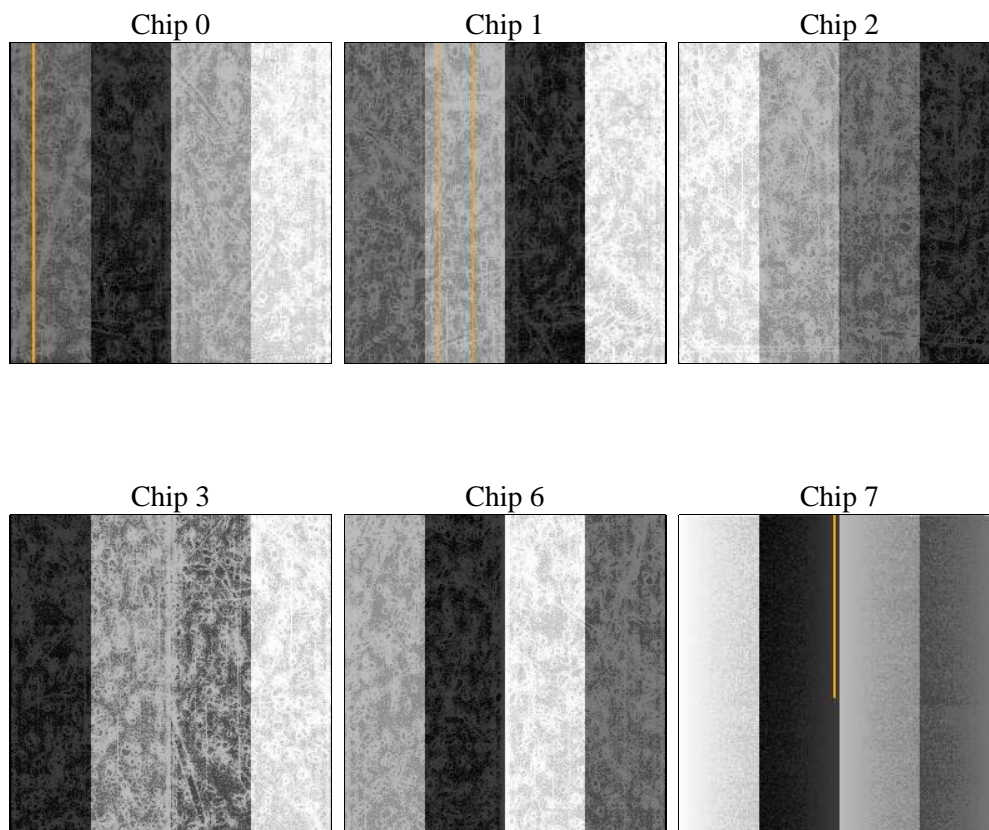
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5002.214000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4956.7999815941	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4956.7999815941	Sum of GTIs [s]
date	2012-05-18T03:30:53	Date and time of file creation	ontime1	4956.7999815941	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4956.7999815941	Sum of GTIs [s]
			ontime3	4956.7999815941	Sum of GTIs [s]
			ontime6	4956.7999815941	Sum of GTIs [s]
			ontime7	4956.7999815941	Sum of GTIs [s]
			l1events	297257	Number of level 1 events

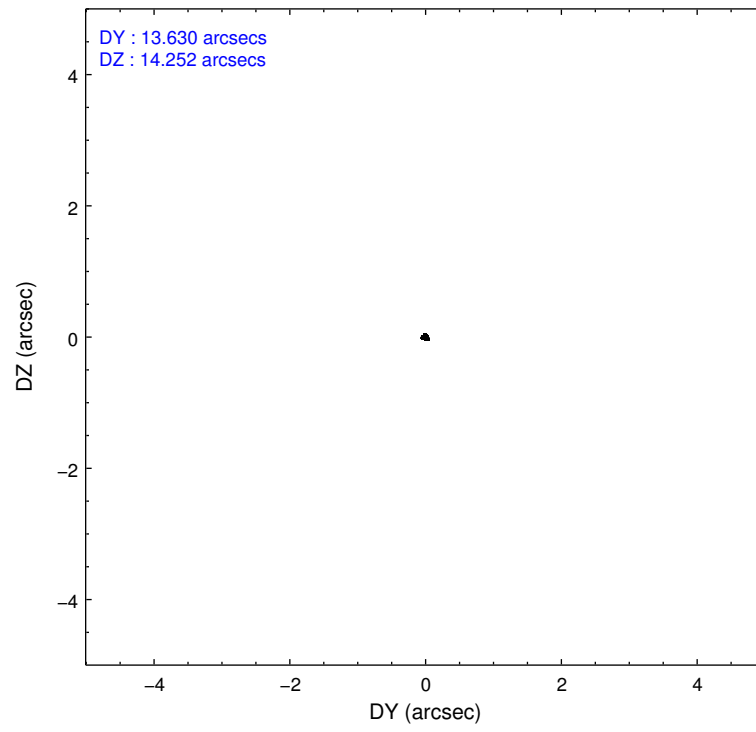
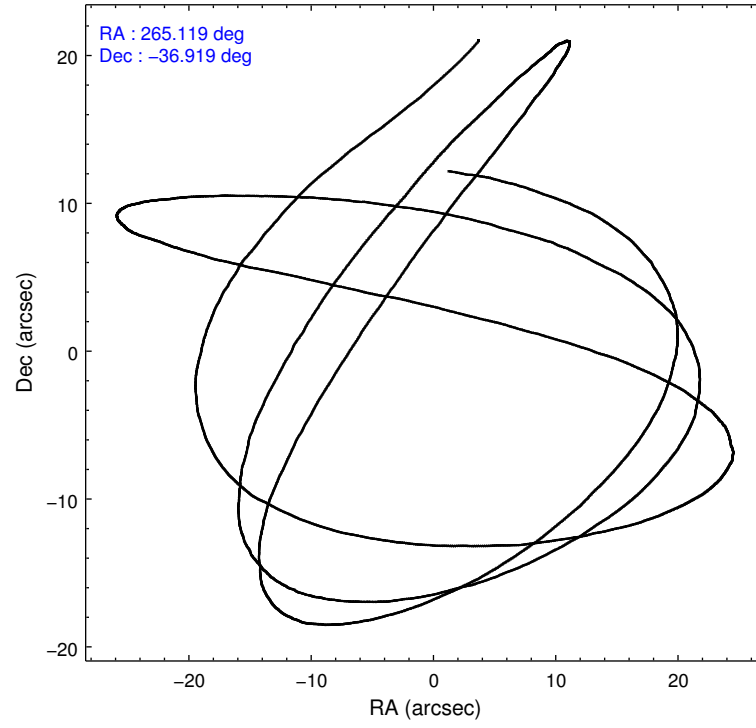
2.1.4 Events

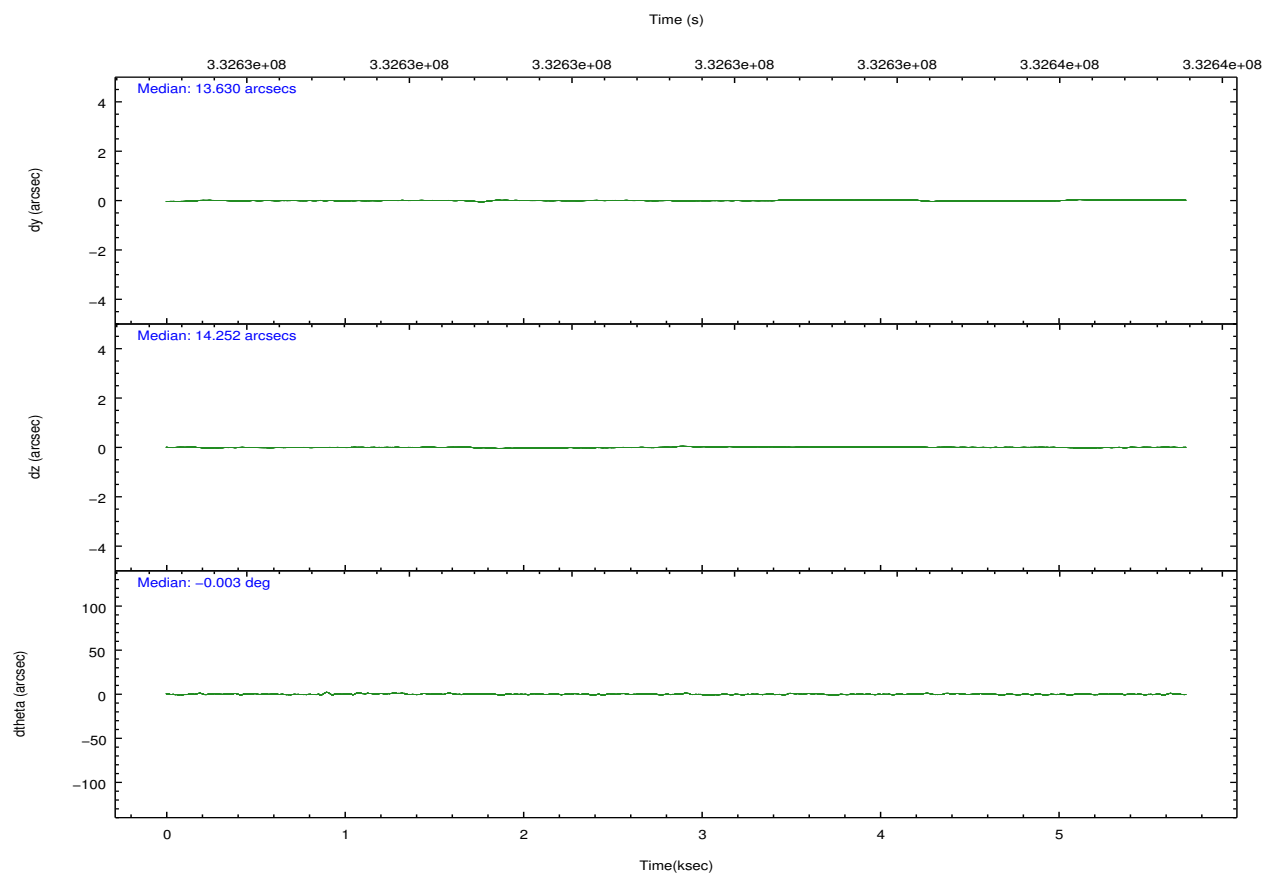
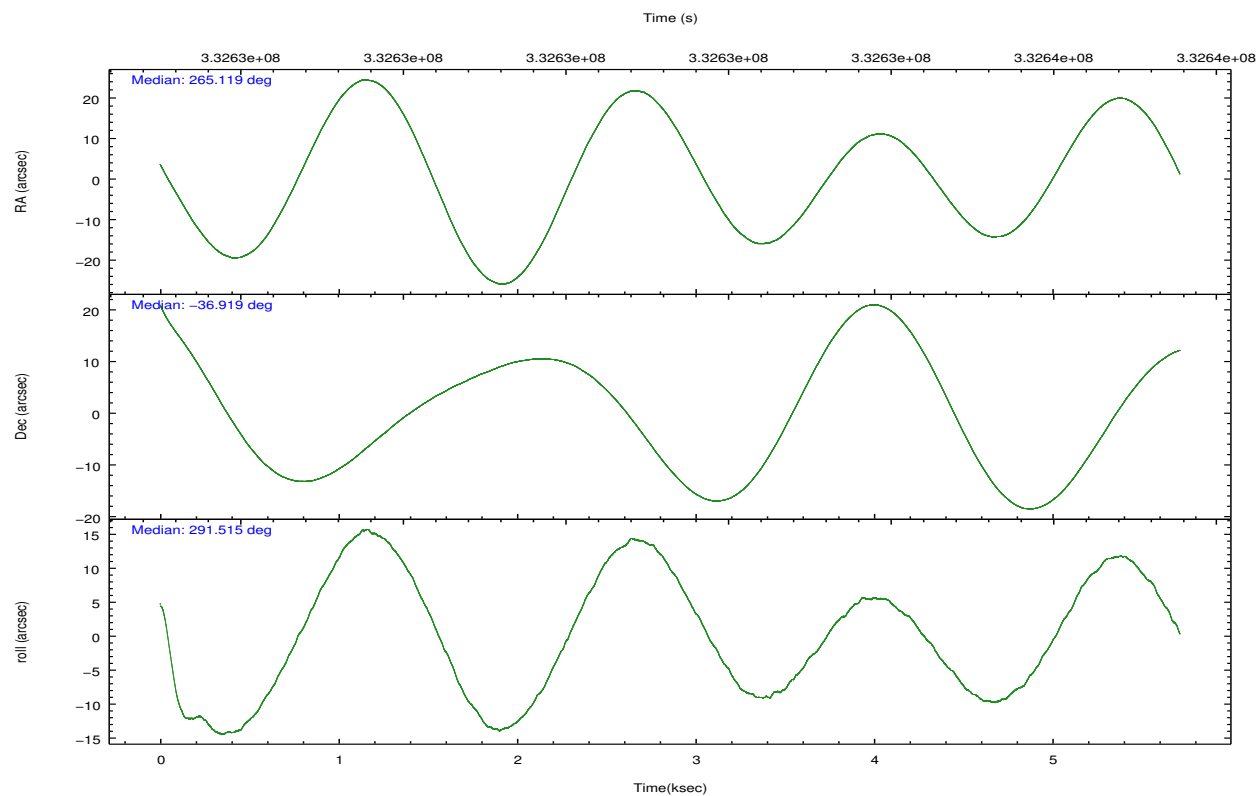
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	41689	44608	46972	45715	51637	66636	grade 0 events	2683	3624	2758	2618	2389	2411
rejected events	35554	37116	40987	39877	45664	39249		6%	8%	5%	5%	4%	3%
rejected %	85%	83%	87%	87%	88%	58%	grade 1 events	42	44	49	36	32	53
								0%	0%	0%	0%	0%	0%
							grade 2 events	1285	1443	1226	1180	1294	5580
								3%	3%	2%	2%	2%	8%
							grade 3 events	595	571	537	540	553	2368
								1%	1%	1%	1%	1%	3%
							grade 4 events	545	642	544	533	537	2260
								1%	1%	1%	1%	1%	3%
							grade 5 events	1972	1961	2011	2258	2457	6350
								4%	4%	4%	4%	4%	9%
							grade 6 events	1037	1227	922	975	1202	14797
								2%	2%	1%	2%	2%	22%
							grade 7 events	33530	35096	38925	37575	43173	32817
								80%	78%	82%	82%	83%	49%

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	265.091836	265.1189793439222	CCD I2 on	Y	Y
[deg] Pointing Dec	-36.902331	-36.91952007166303	CCD I3 on	Y	Y
[deg] Pointing Roll	291.294905	291.5199004125167	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)	332630500.184000	332629275.12275	CCD S5 on	N	N
Observation start date	2008-07-16T21:20:35	2008-07-16T21:01:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	332635502.184000	332635736.21056	On-chip summing requested	N	N
Observation end date	2008-07-16T22:43:57	2008-07-16T22:48:56	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



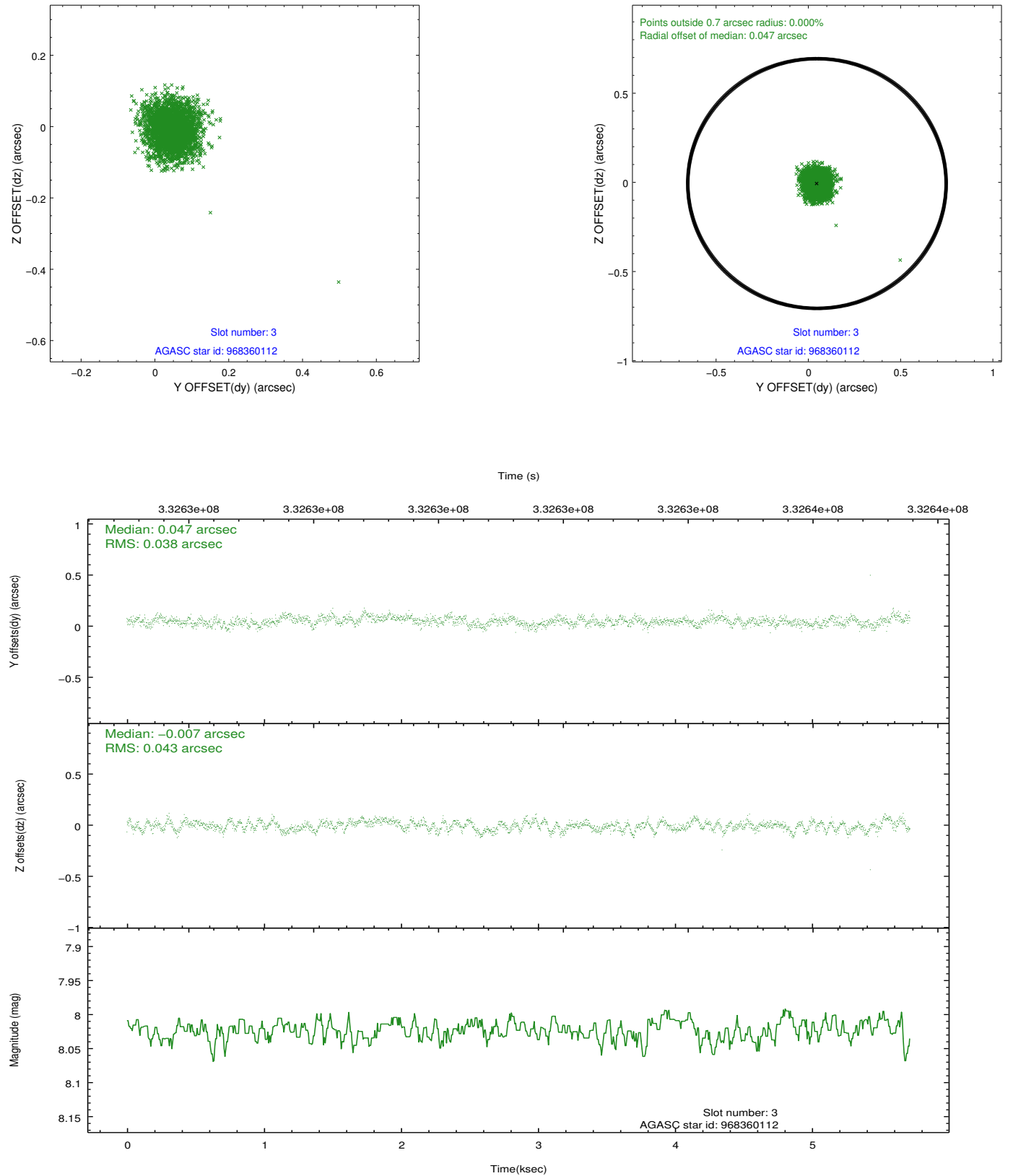


Slot Statistics

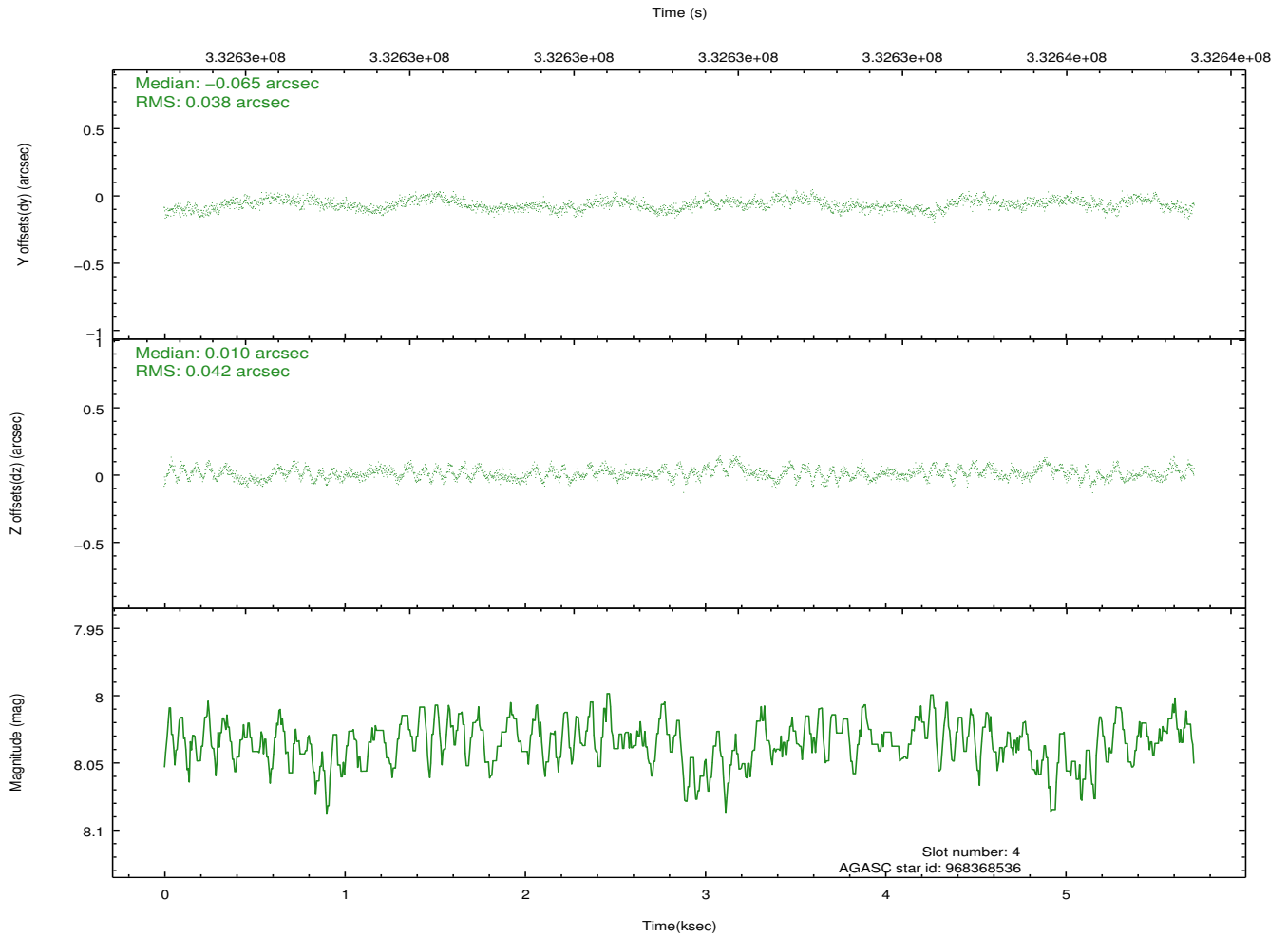
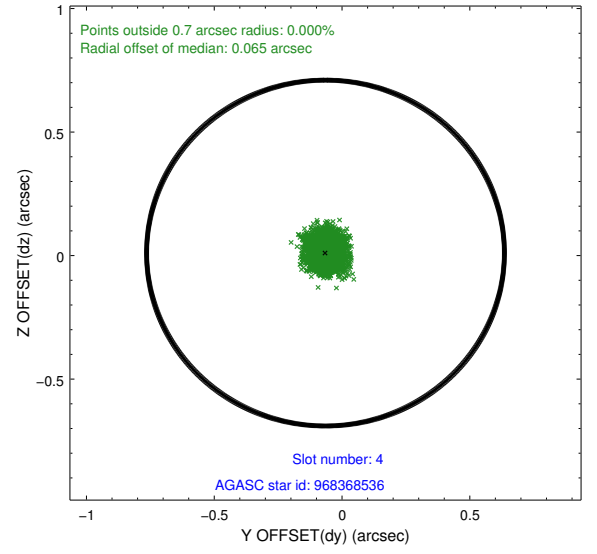
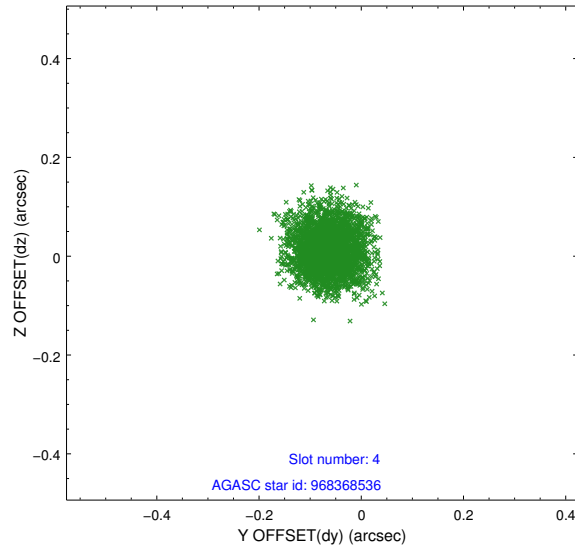
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	1394	0.025	0.015	0.006	0.012	0.000000	0.000000	925.90	-837.81
1	FID	ACIS-I-5	7.01	1394	-0.217	0.031	0.007	0.012	0.000000	0.000000	-1821.90	1059.14
2	FID	ACIS-I-6	7.02	1394	0.102	0.025	0.007	0.012	0.000000	0.000000	390.35	1704.85
3	GUIDE	968360112	8.02	2789	0.047	-0.007	0.060	0.096	264.870164	-37.364642	1320.67	-1195.48
4	GUIDE	968368536	8.04	2787	-0.065	0.010	0.061	0.096	264.200391	-36.533173	-2163.53	-1924.87
5	GUIDE	968497608	8.92	2781	0.022	0.027	0.075	0.119	265.582289	-36.941153	644.93	1262.08
6	GUIDE	968501232	7.89	2788	-0.015	0.032	0.055	0.091	265.517463	-36.171272	-2000.90	2107.76
7	GUIDE	968364480	7.35	2788	0.014	-0.062	0.057	0.089	264.907425	-36.261455	-2344.83	339.52

2.4 Star Slots

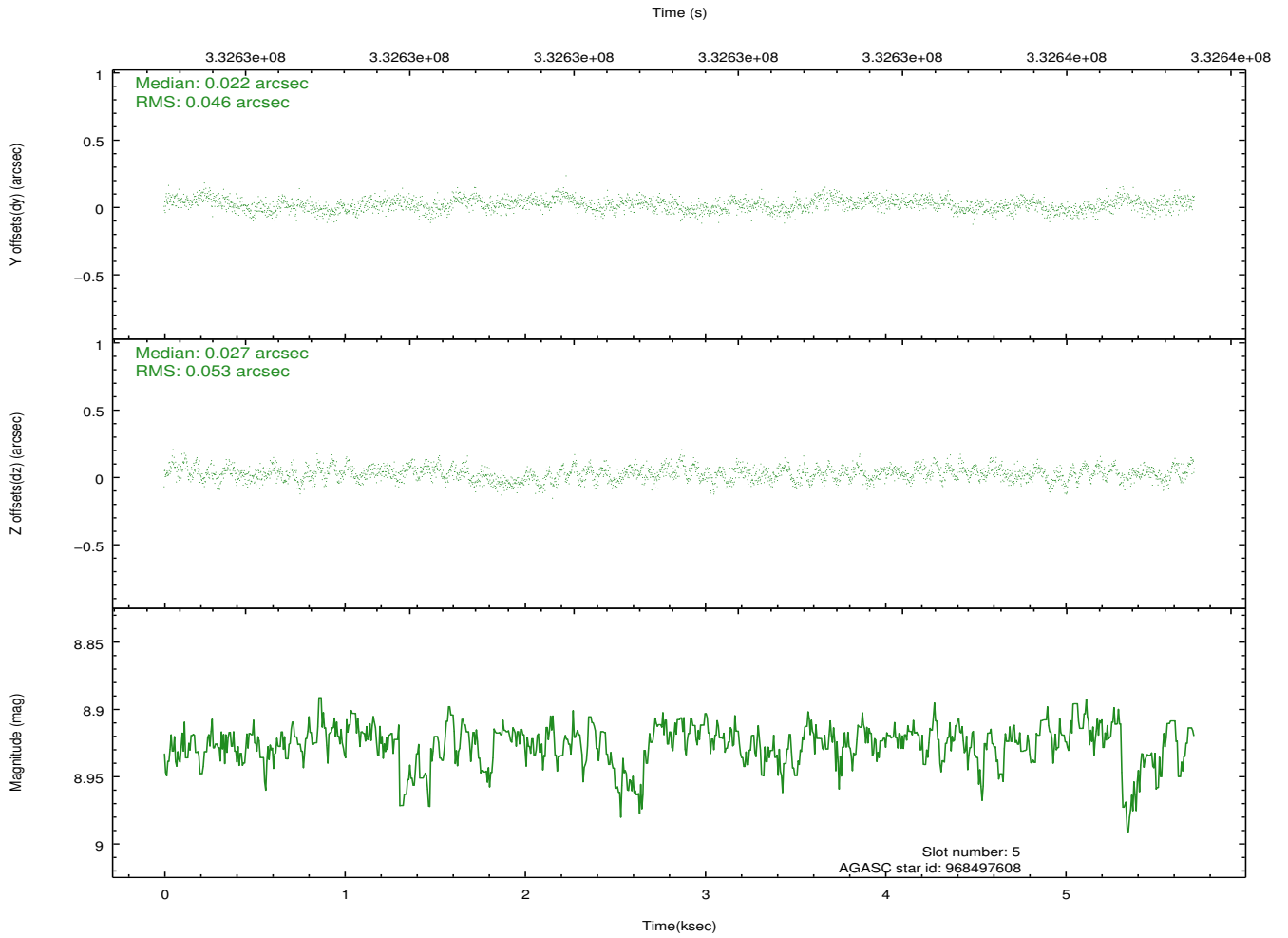
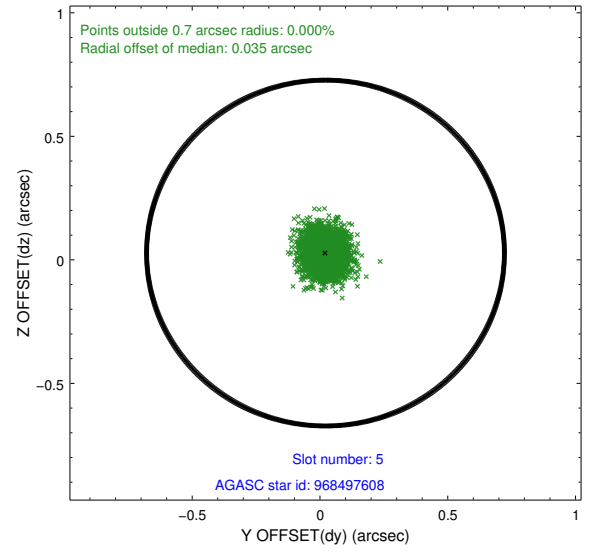
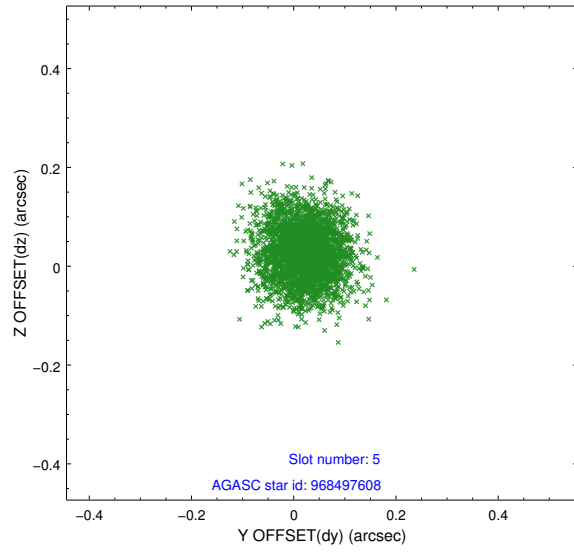
2.4.1 Slot 3



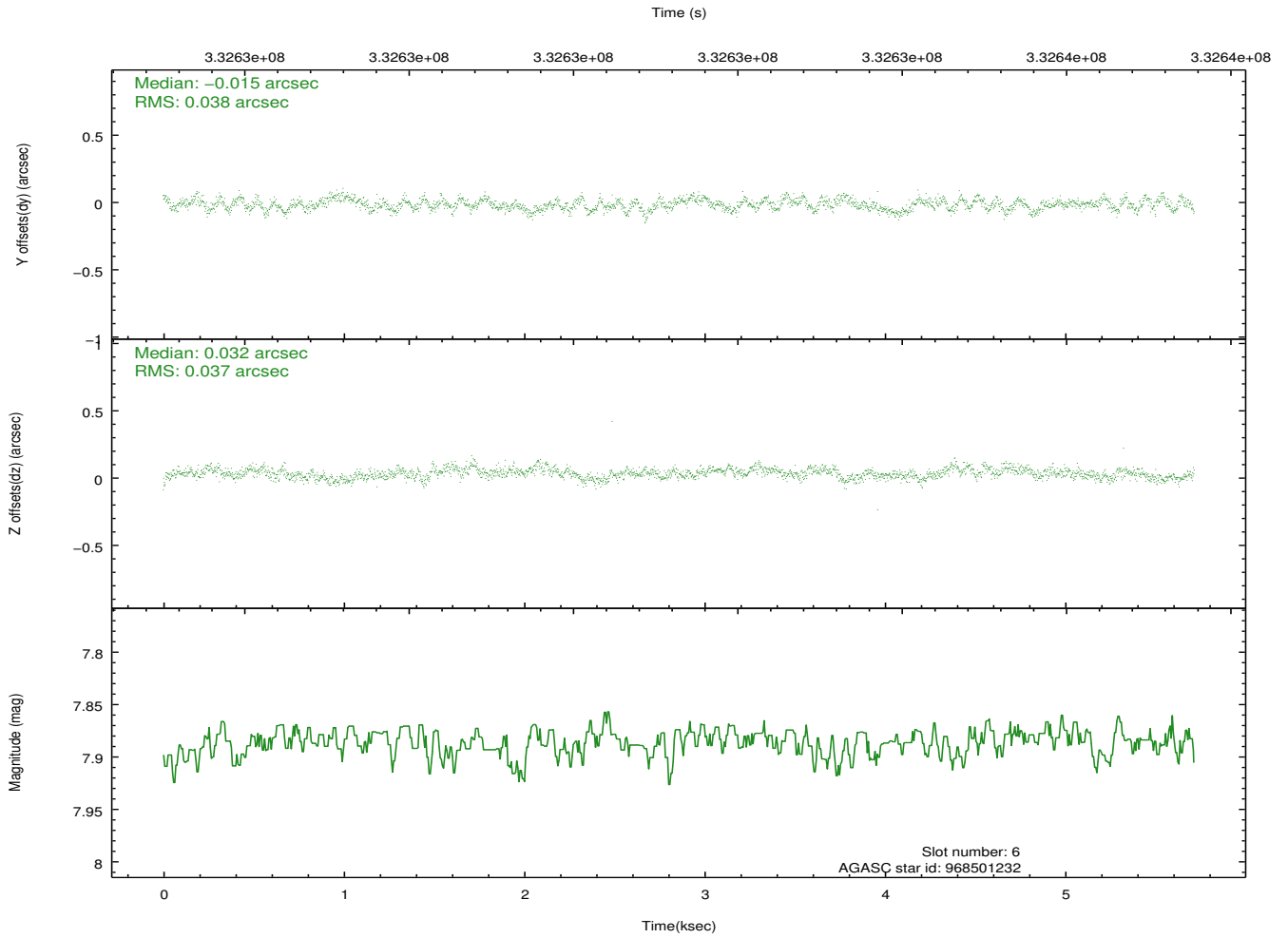
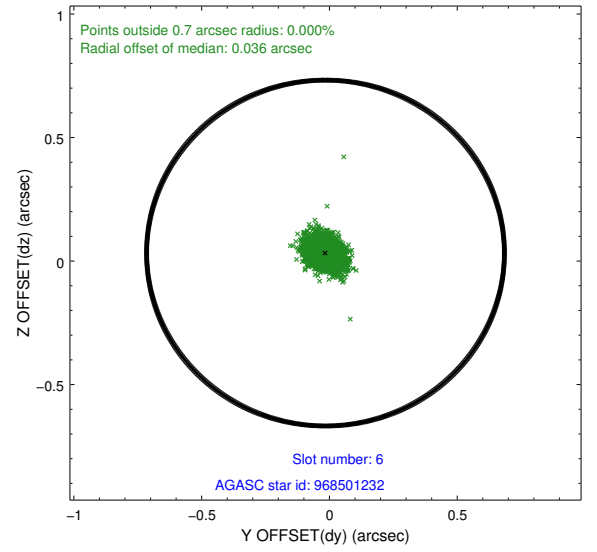
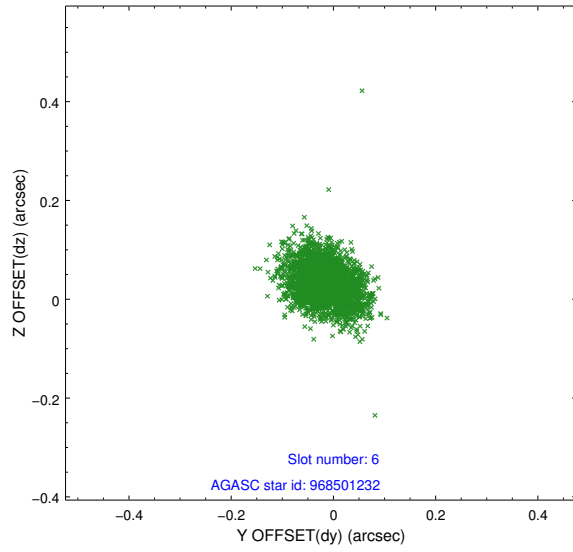
2.4.2 Slot 4



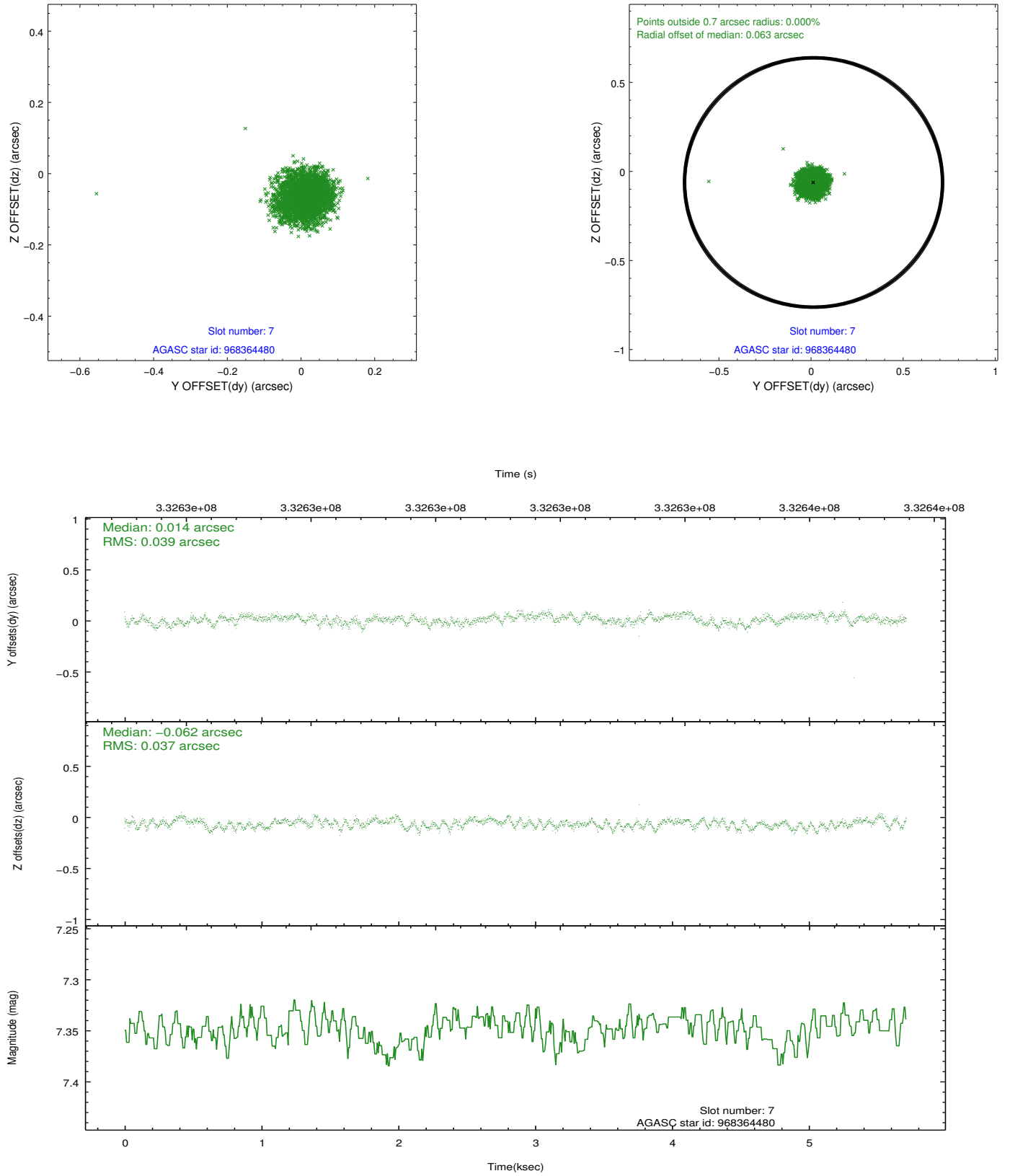
2.4.3 Slot 5



2.4.4 Slot 6

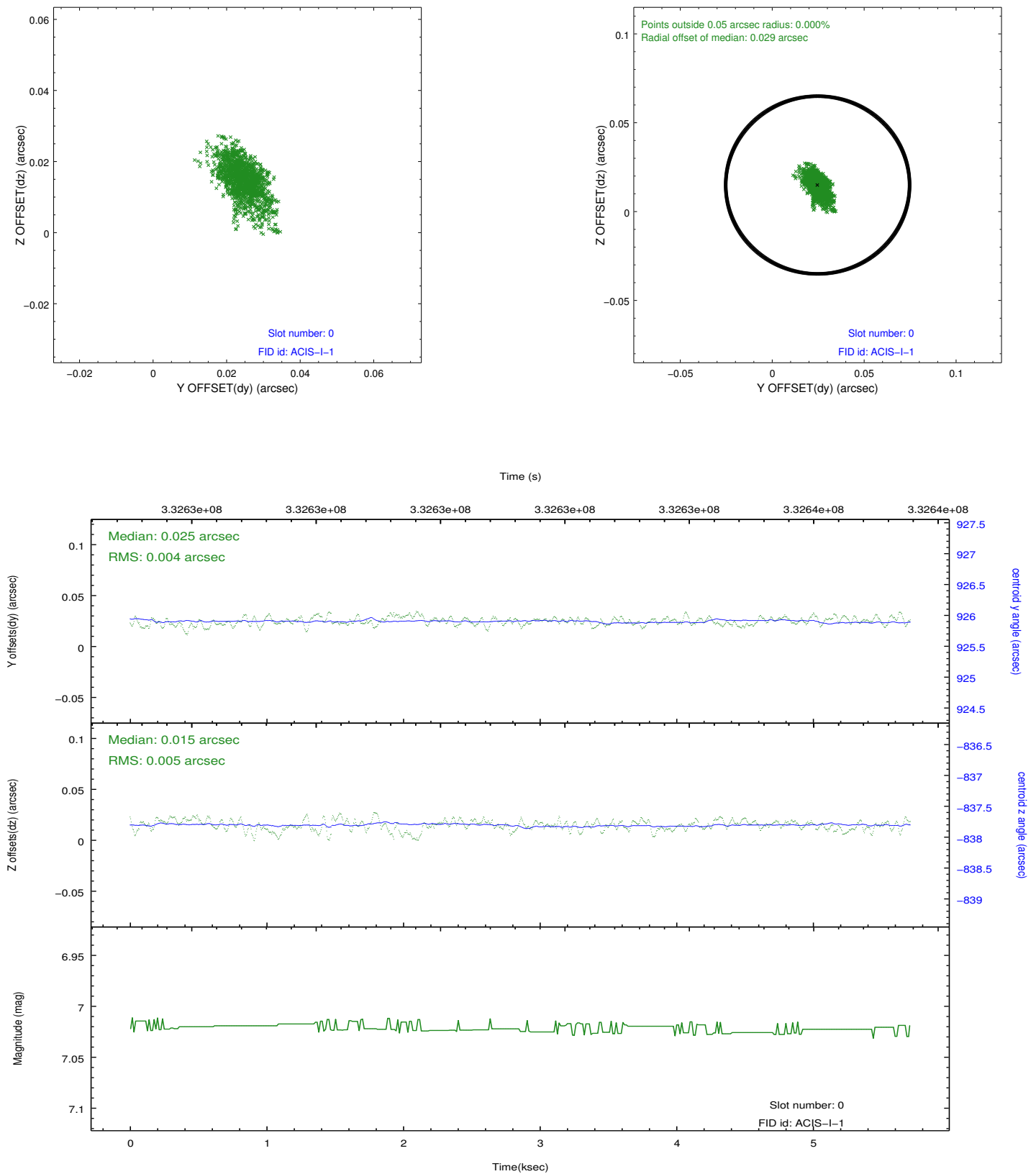


2.4.5 Slot 7

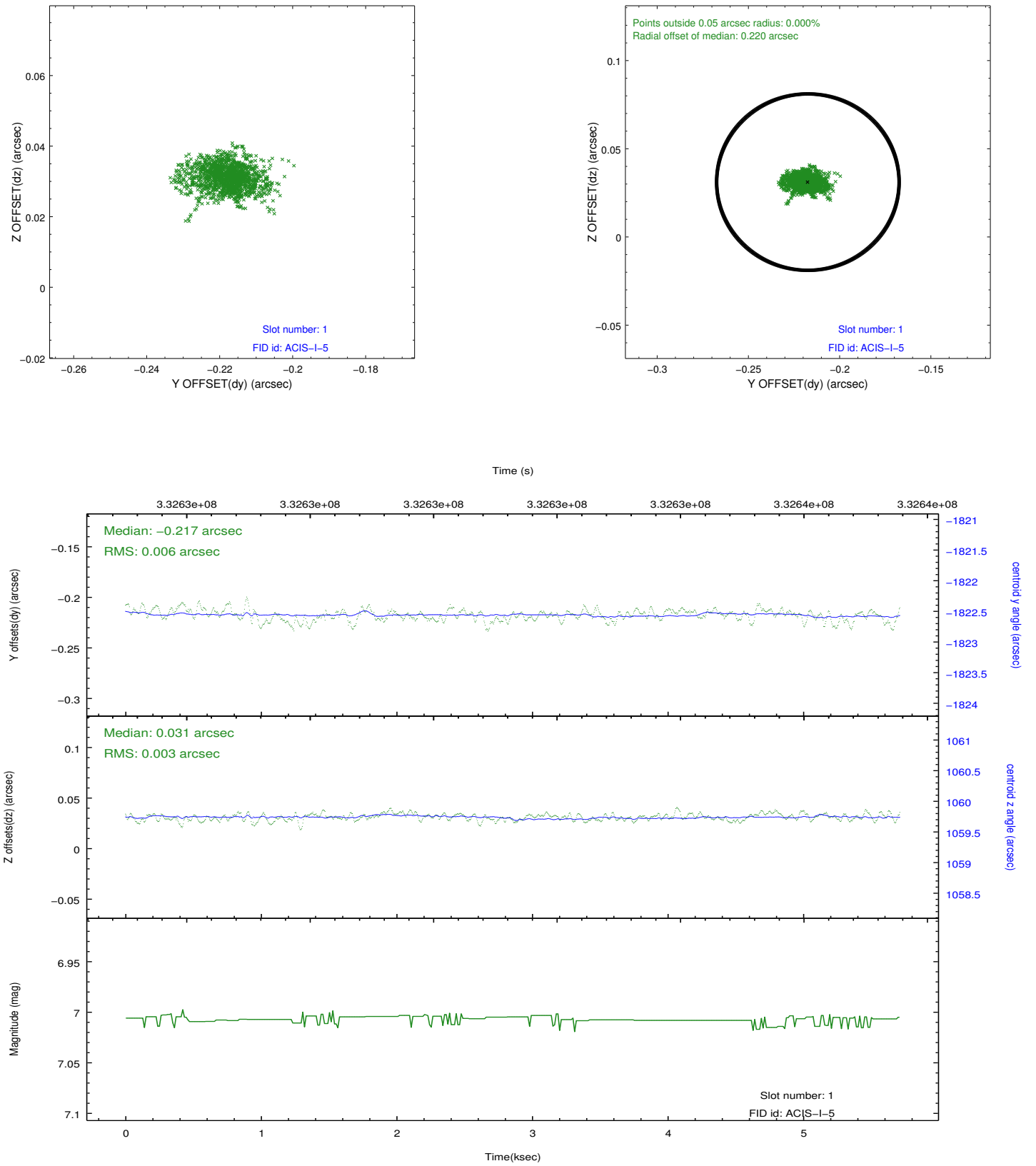


2.5 FID Slots

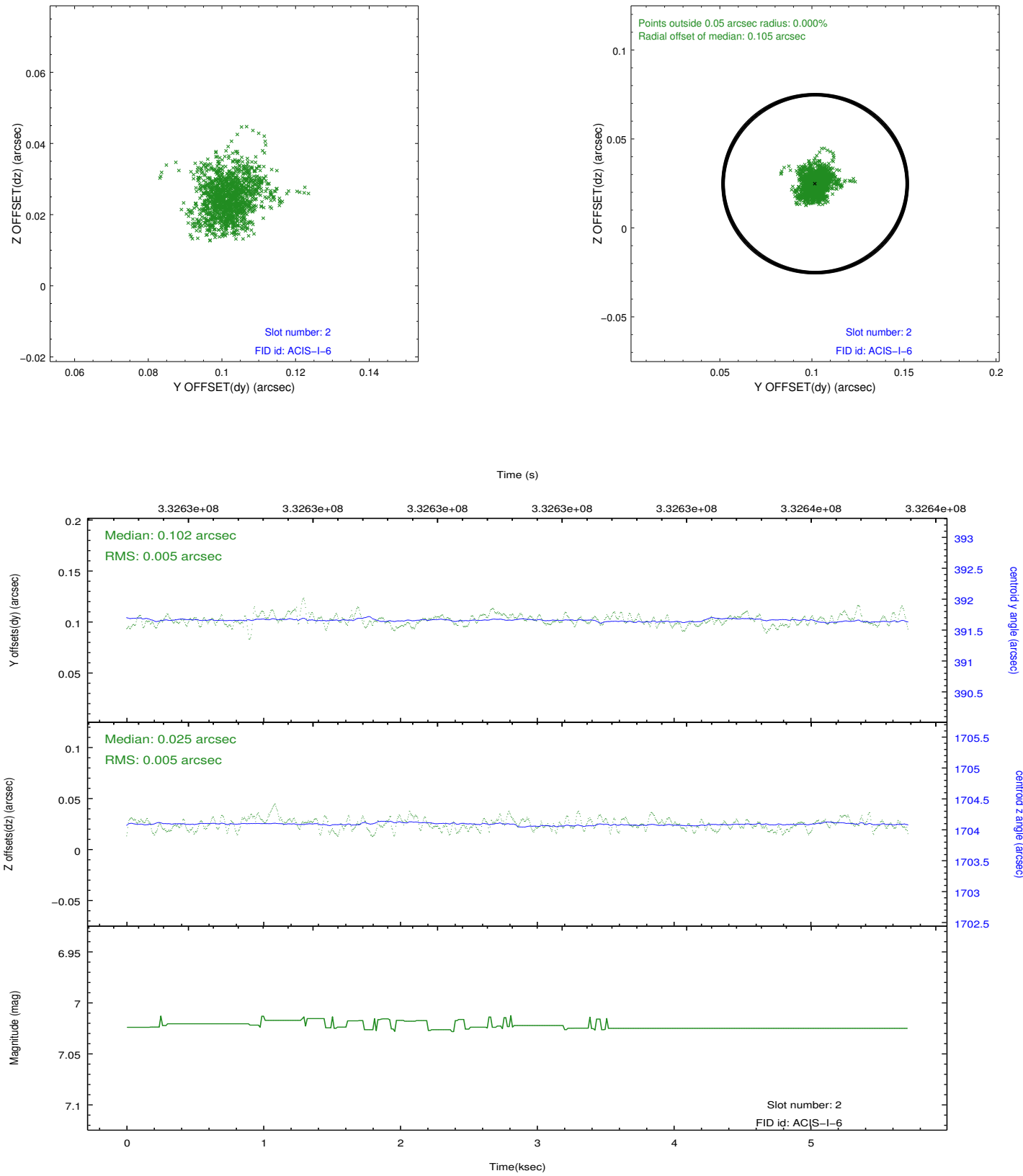
2.5.1 Slot 0



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)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.95679998

A.2 Comments

Joint proposal with NOAO.