

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 6602 - L2 Version 3
Chandra X-Ray Center

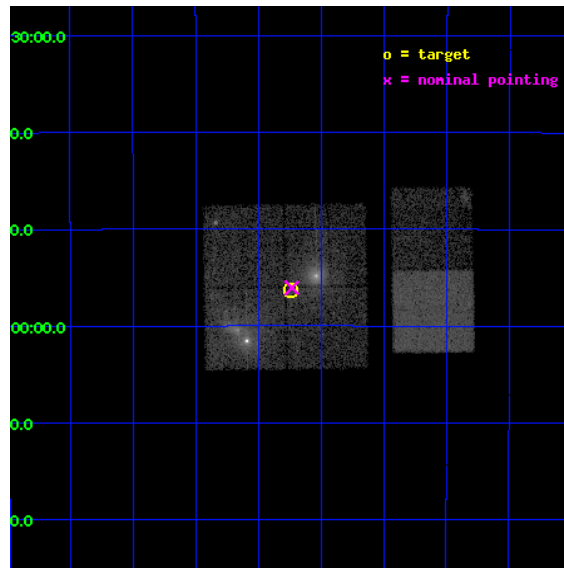
L2 Processing Date : Apr 21 2012

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1 Front

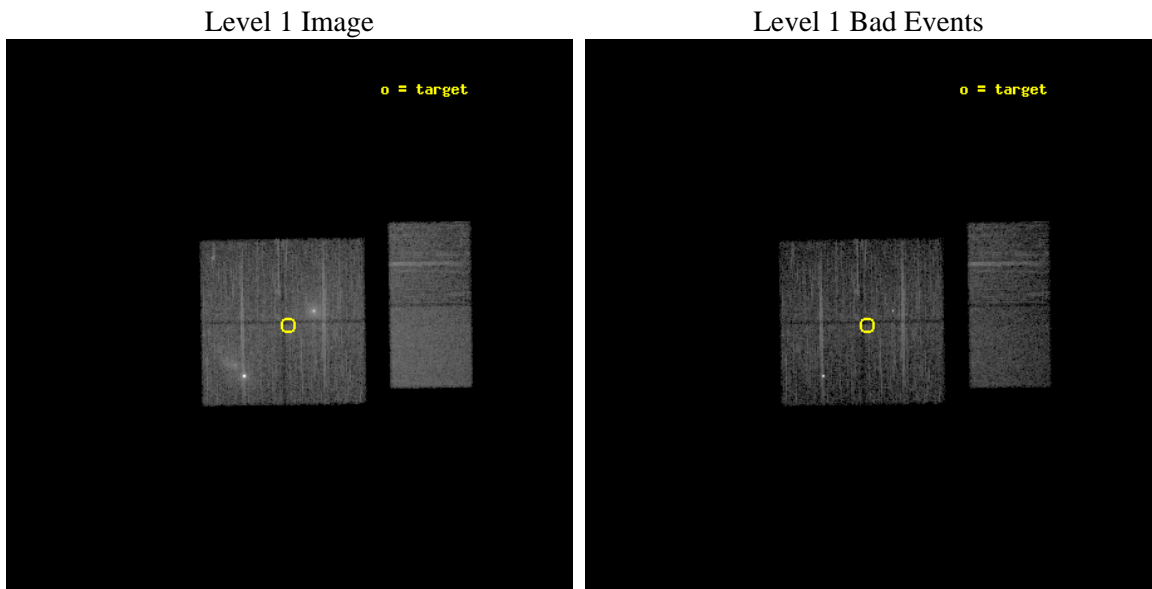
seq_num	400507	Sequence number
obs_id	6602	Observation id
title	Chandra observations of enigmatic X-ray and radio transients	Propo
observer	Dr. Rudy Wijnands	Principal investigator
object	GRS 1741.9-2853	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.31125	Observer's specified target RA [deg]
dec_targ	-28.938889	Observer's specified target Dec [deg]
ra_nom	266.30848581161	Nominal RA [deg]
dec_nom	-28.934537269537	Nominal Dec [deg]
roll_nom	89.193589529753	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5145.5999808908	Sum of GTIs [s]
livetime	5080.4432956244	Livetime [s]
ontime0	5145.5999808908	Sum of GTIs [s]
ontime1	5145.5999808908	Sum of GTIs [s]
ontime2	5145.5999808908	Sum of GTIs [s]
ontime3	5145.5999808908	Sum of GTIs [s]
ontime6	5145.5999808908	Sum of GTIs [s]
ontime7	5145.5999808908	Sum of GTIs [s]
l2events	94417	Number of level 2 events



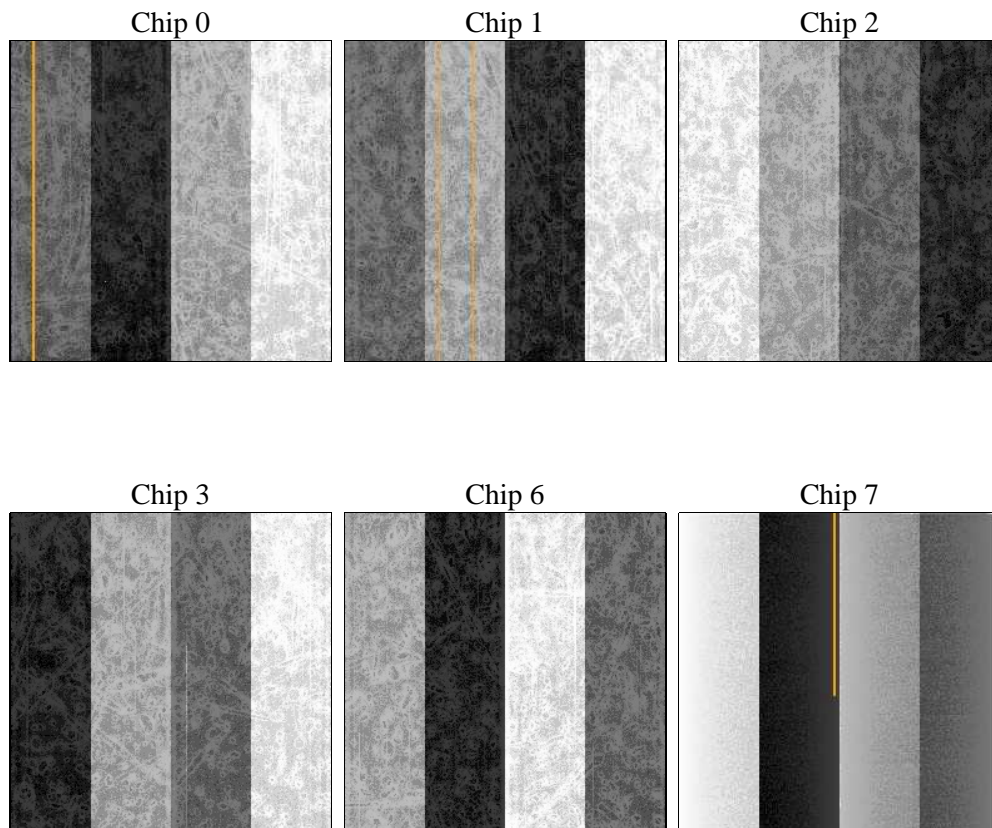
2 OBI

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	5145.5999808908	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5145.5999808908	Sum of GTIs [s]
date	2012-04-21T13:26:06	Date and time of file creation	ontime1	5145.5999808908	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5145.5999808908	Sum of GTIs [s]
			ontime3	5145.5999808908	Sum of GTIs [s]
			ontime6	5145.5999808908	Sum of GTIs [s]
			ontime7	5145.5999808908	Sum of GTIs [s]
			l1events	356181	Number of level 1 events

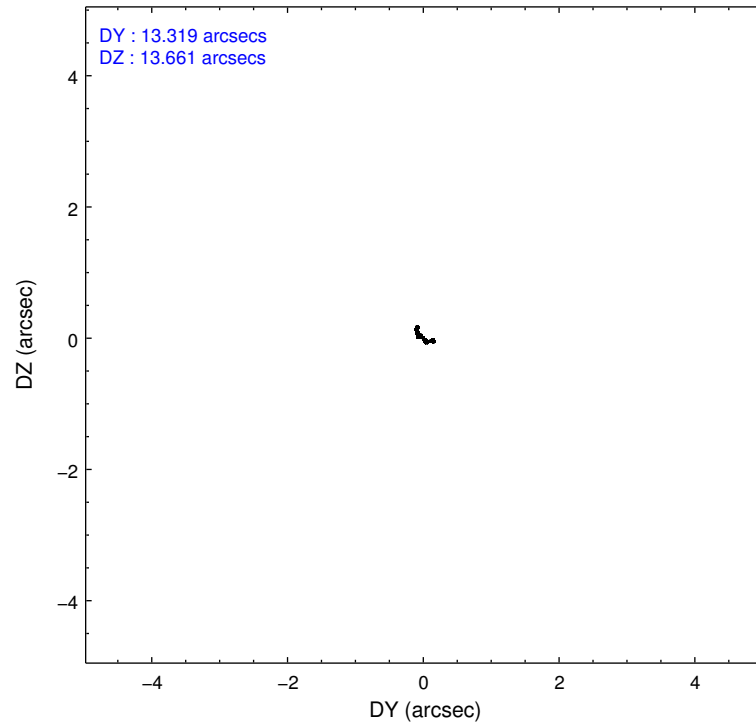
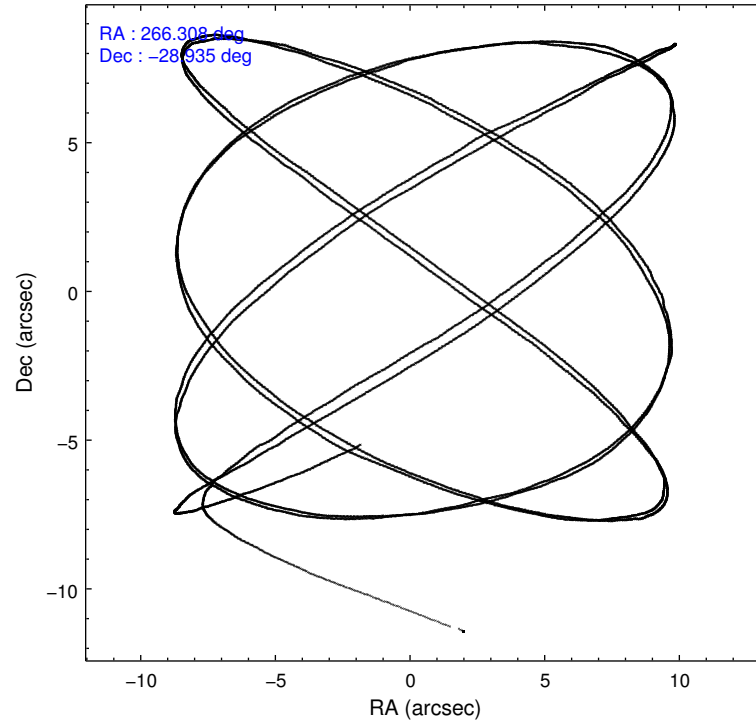
2.1.4 Events

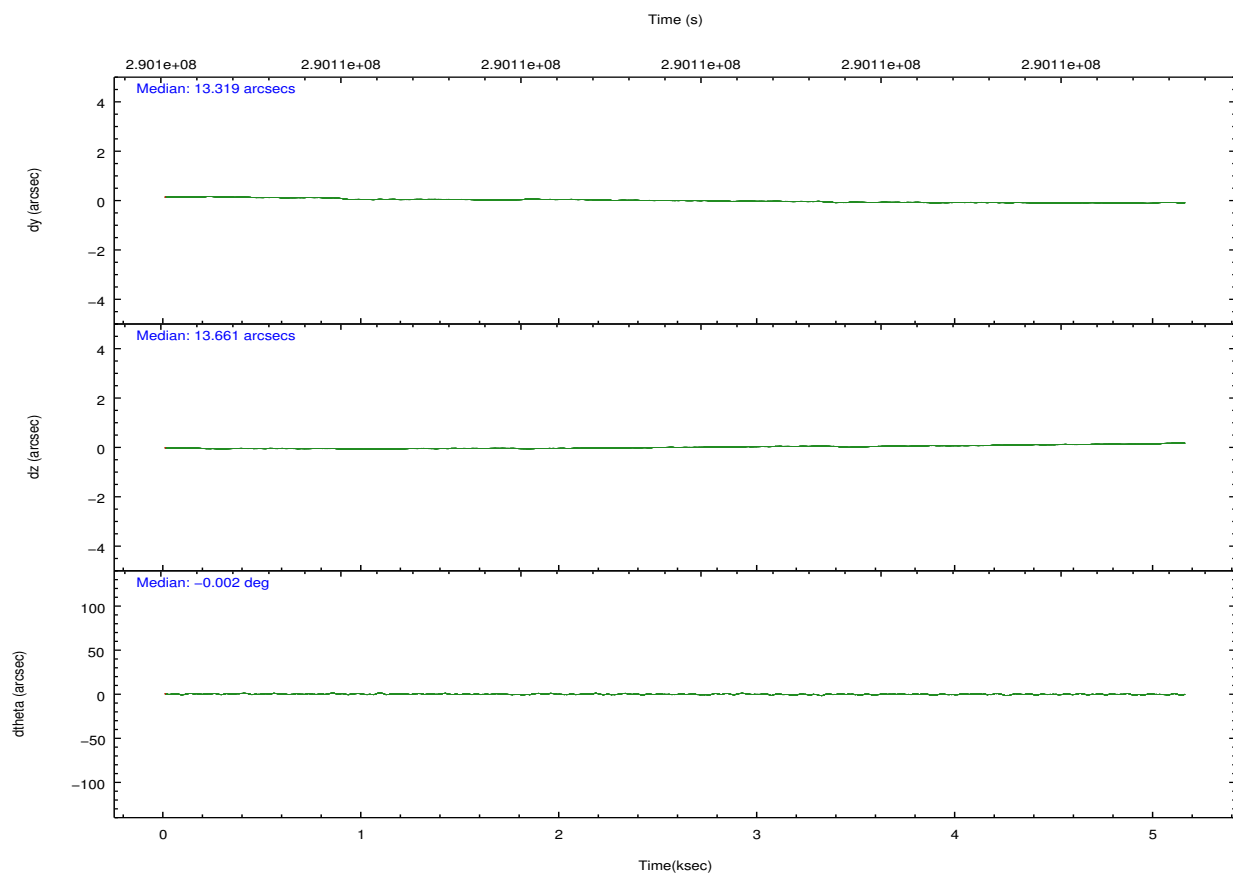
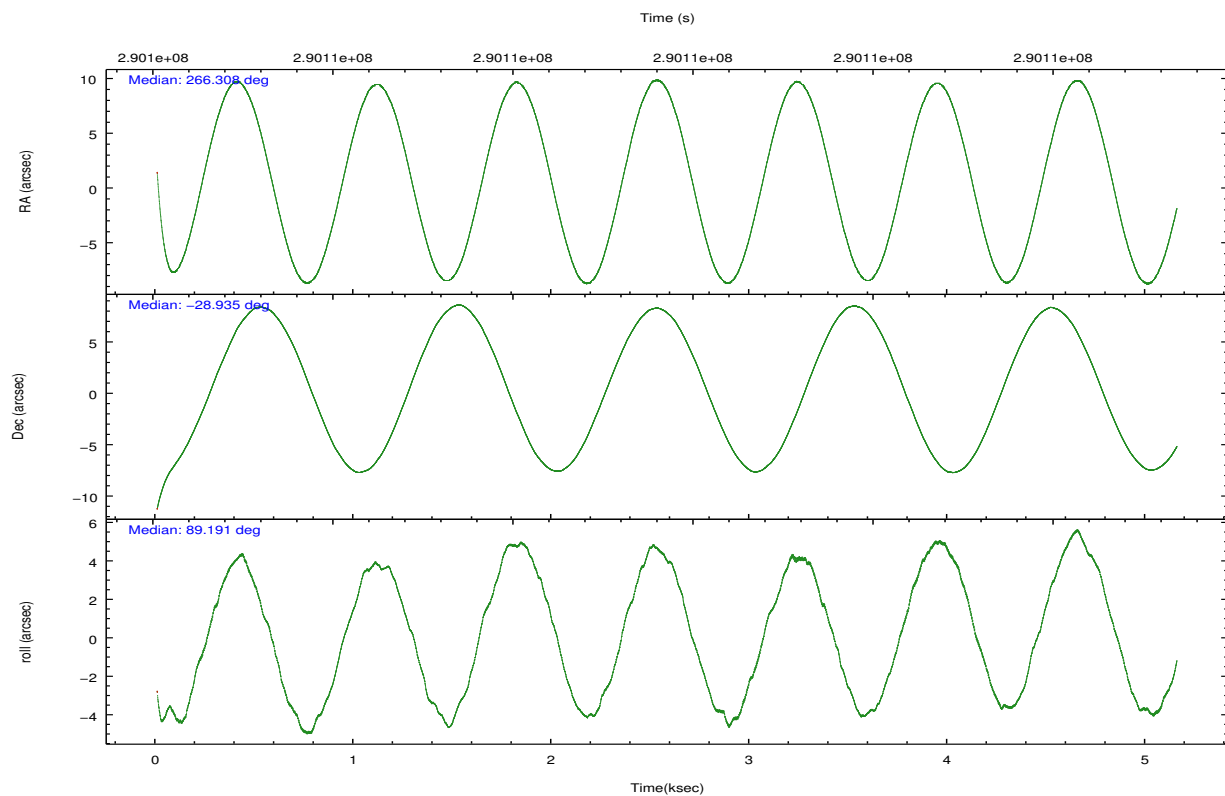
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	50196	76212	61453	51299	50063	66958	grade 0 events	5129	18267	9738	5131	2886	2463
rejected events	40785	44014	44949	42130	43508	39558		10%	23%	15%	10%	5%	3%
rejected %	81%	57%	73%	82%	86%	59%	grade 1 events	55	1013	337	53	44	65
								0%	1%	0%	0%	0%	0%
							grade 2 events	1850	6094	2825	1570	1435	5693
								3%	7%	4%	3%	2%	8%
							grade 3 events	729	2194	1180	719	558	2499
								1%	2%	1%	1%	1%	3%
							grade 4 events	685	2168	1146	718	569	2456
								1%	2%	1%	1%	1%	3%
							grade 5 events	1951	3165	2312	2233	2353	6396
								3%	4%	3%	4%	4%	9%
							grade 6 events	1298	4435	2185	1285	1292	15139
								2%	5%	3%	2%	2%	22%
							grade 7 events	38499	38876	41730	39590	40926	32247
								76%	51%	67%	77%	81%	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	266.324002	266.3084858116142	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.958419	-28.93453726953709	CCD I3 on	Y	Y
[deg] Pointing Roll	88.992427	89.19358952975256	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)	290105445.184000	290104312.40746	CCD S5 on	N	N
Observation start date	2007-03-12T16:49:40	2007-03-12T16:31:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	290110445.184000	290111334.1703	On-chip summing requested	N	N
Observation end date	2007-03-12T18:13:00	2007-03-12T18:28:54	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



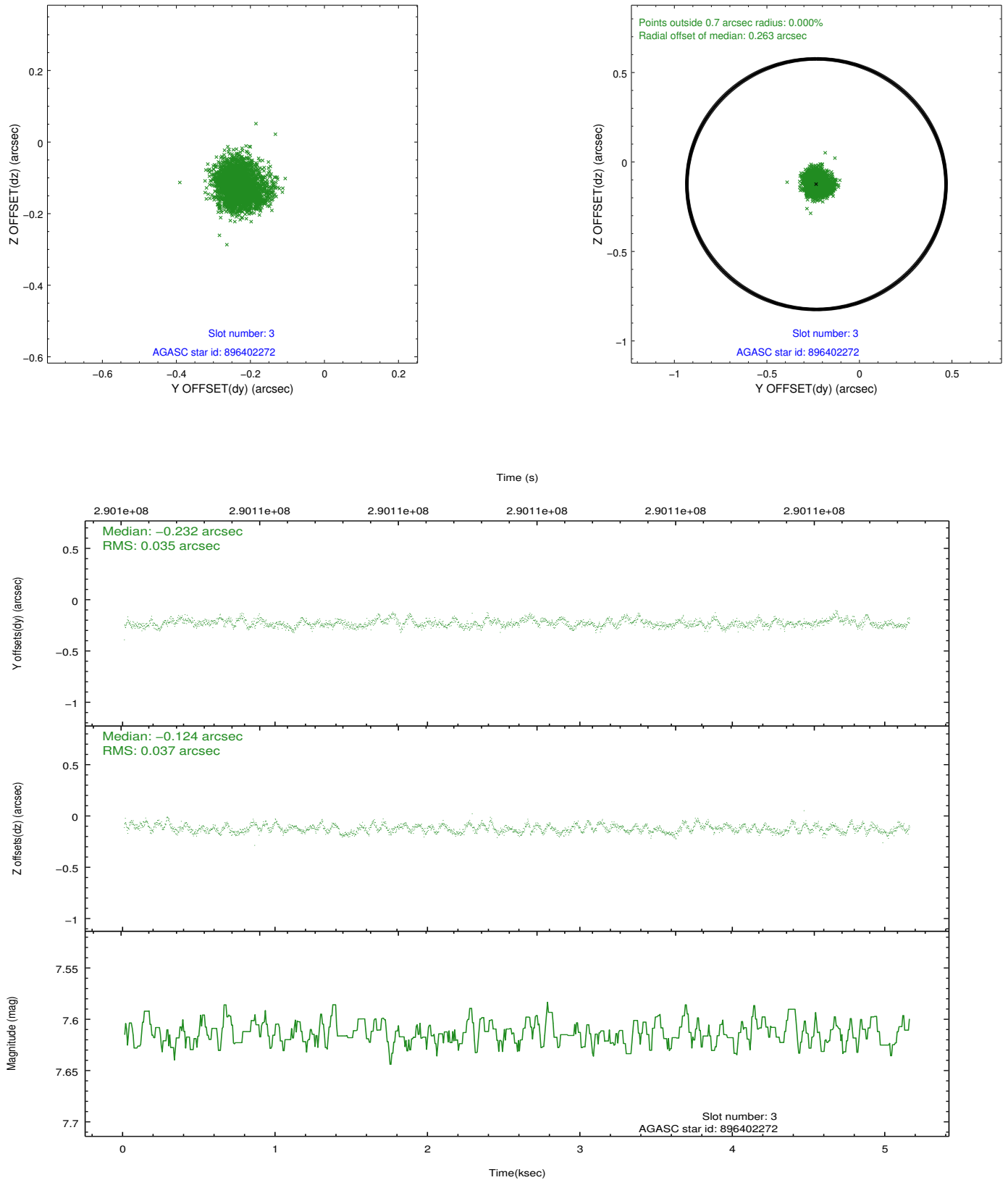


Slot Statistics

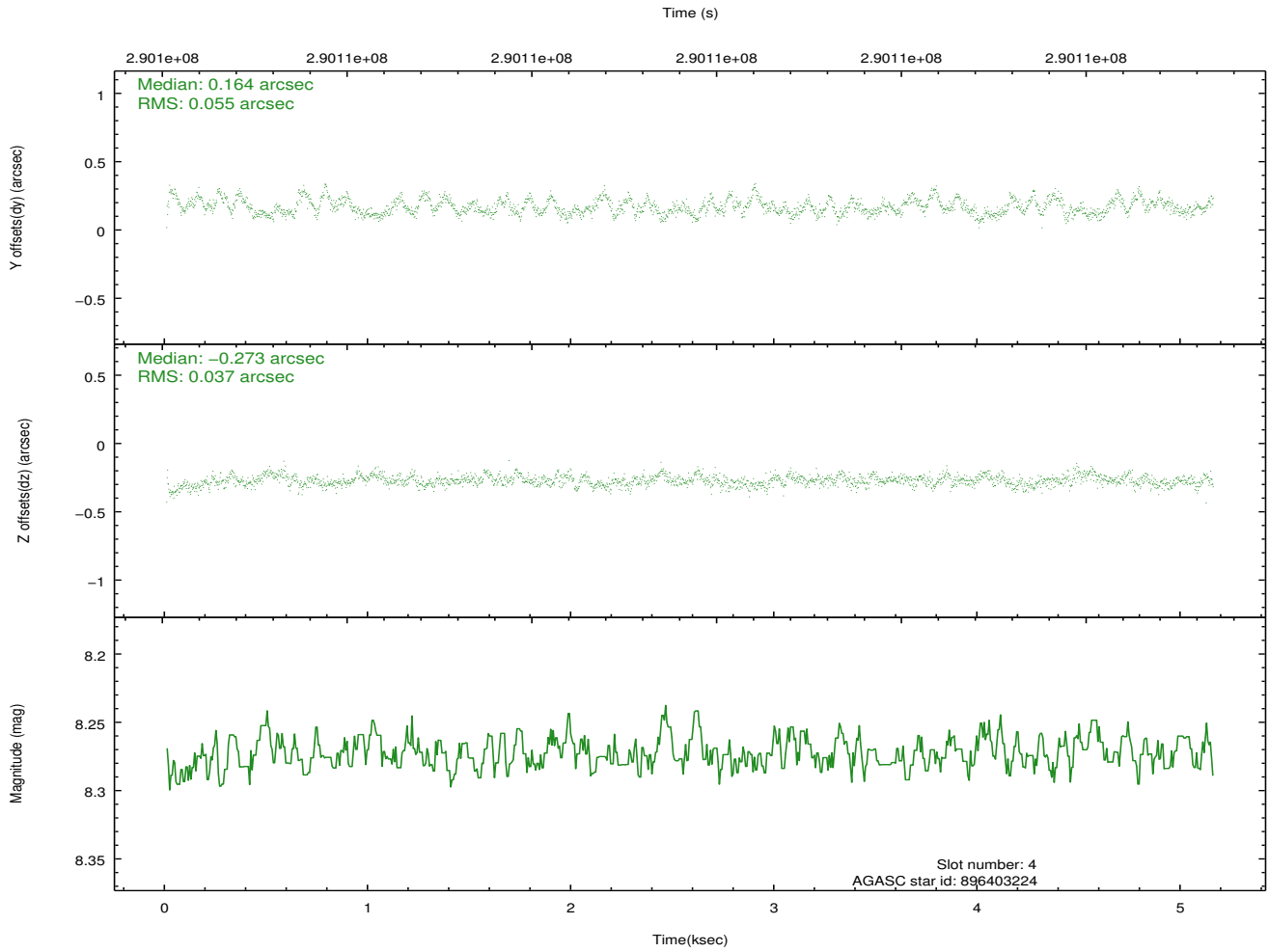
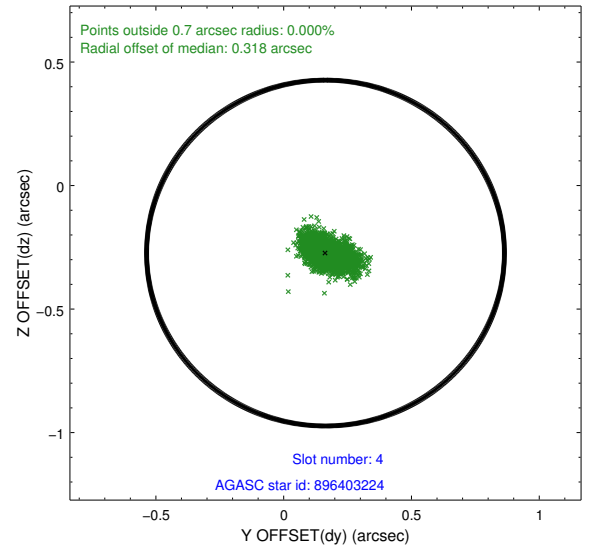
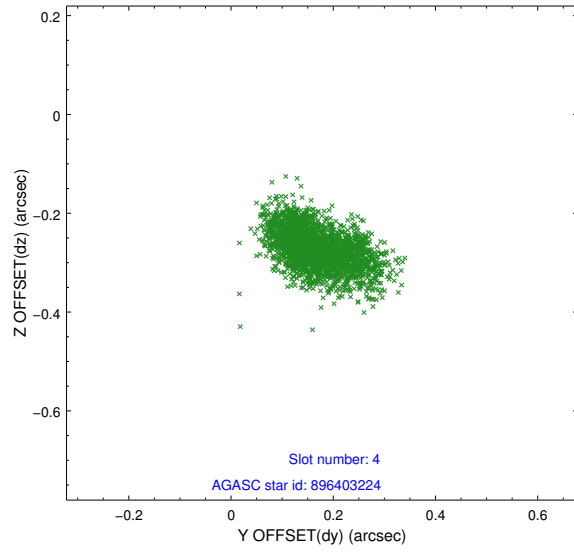
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1257	0.040	0.006	0.007	0.011	0.000000	0.000000	926.23	-837.23
1	FID	ACIS-I-5	7.23	1257	-0.222	0.045	0.007	0.011	0.000000	0.000000	-1821.49	1059.70
2	FID	ACIS-I-6	7.24	1256	0.091	0.019	0.007	0.011	0.000000	0.000000	390.54	1705.52
3	GUIDE	896402272	7.61	2514	-0.232	-0.124	0.054	0.085	265.637294	-28.313189	2277.97	2216.77
4	GUIDE	896403224	8.27	2514	0.164	-0.273	0.069	0.119	265.612825	-29.438915	-1774.43	2199.19
5	GUIDE	896533888	7.04	2514	0.202	0.207	0.058	0.088	266.666434	-29.392757	-1546.25	-1100.57
6	GUIDE	896538696	6.83	2514	-0.429	-0.074	0.043	0.070	266.298470	-28.325572	2275.69	120.42
7	GUIDE	896541360	7.71	2513	0.289	0.261	0.063	0.102	266.684478	-29.453744	-1763.26	-1161.14

2.4 Star Slots

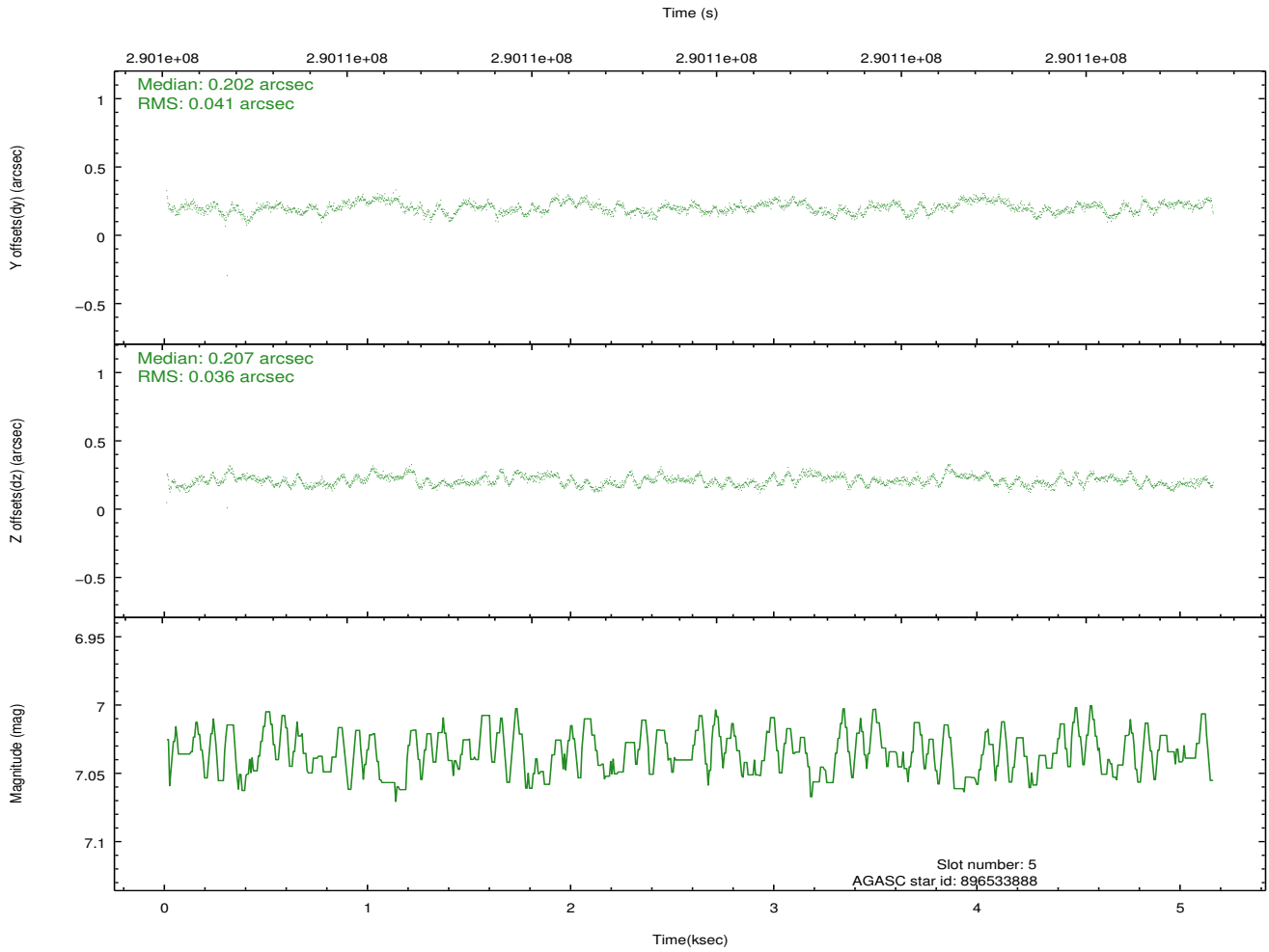
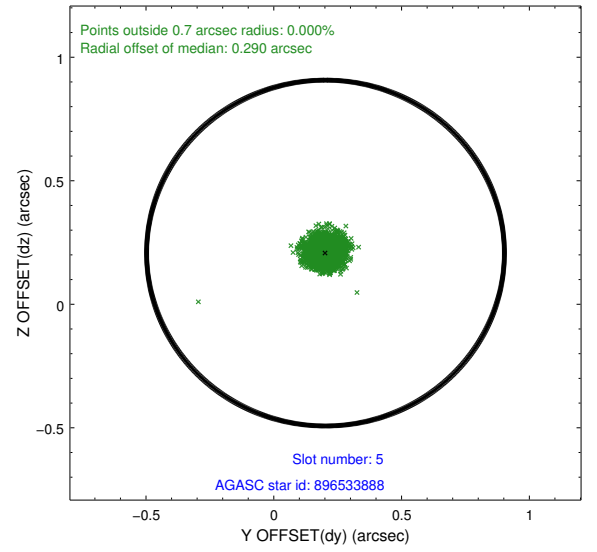
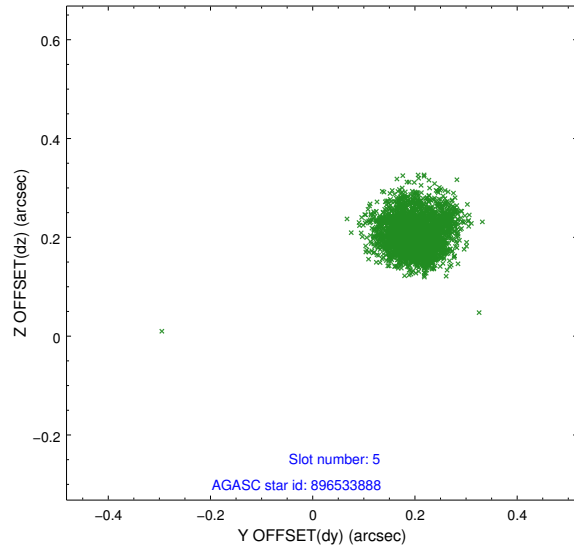
2.4.1 Slot 3



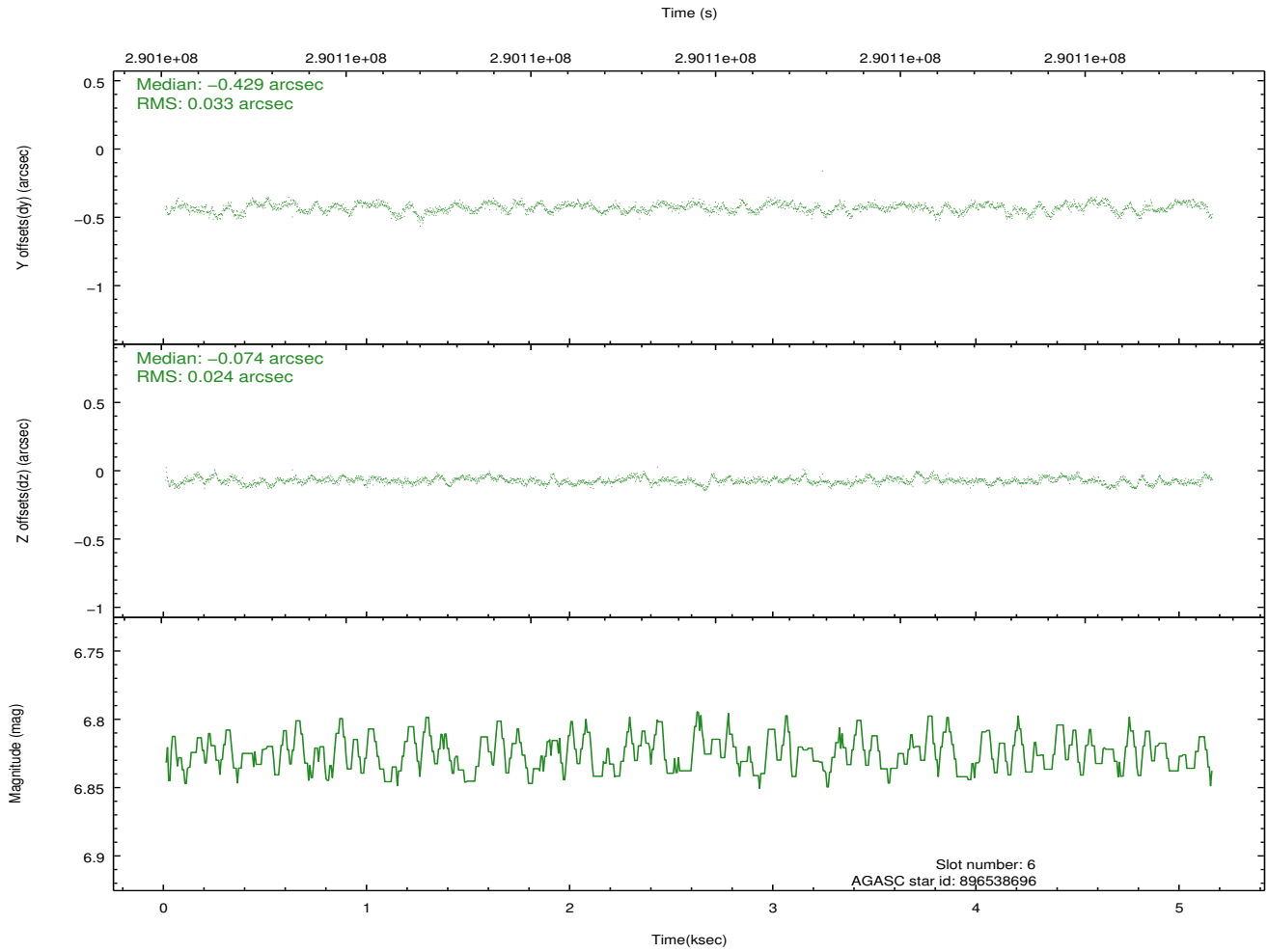
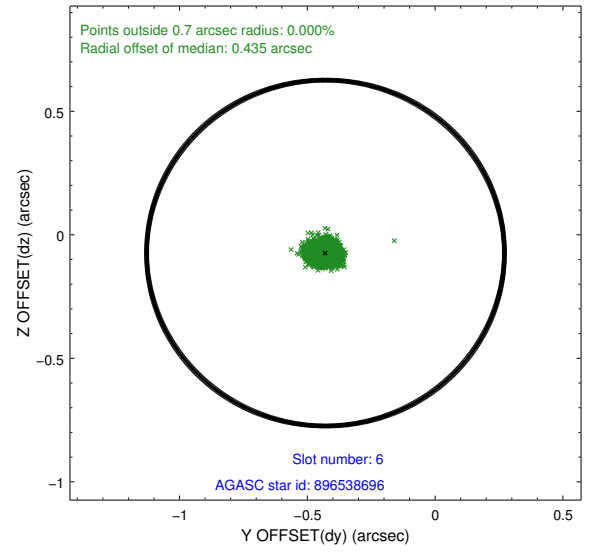
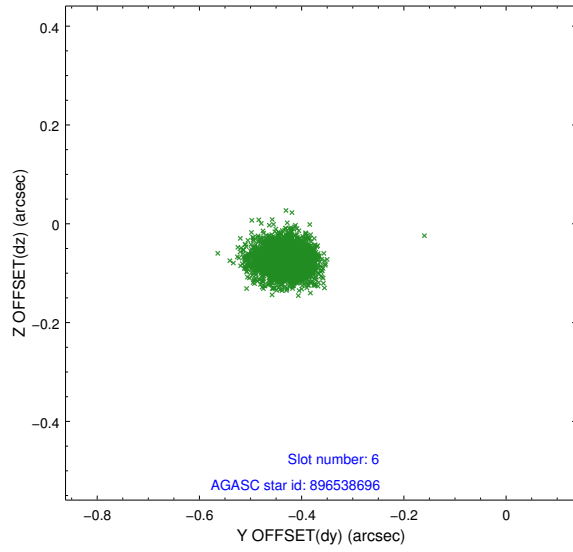
2.4.2 Slot 4



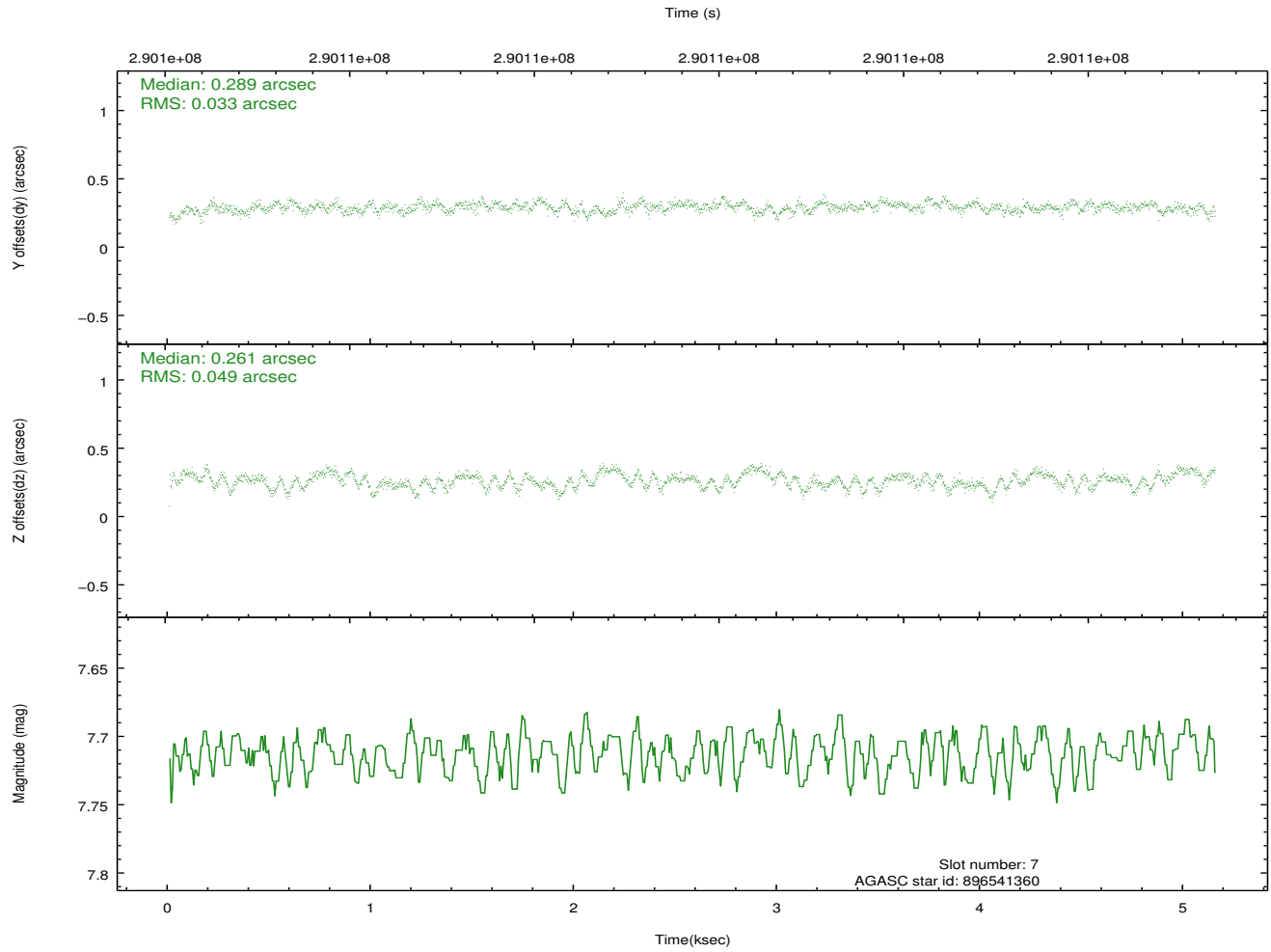
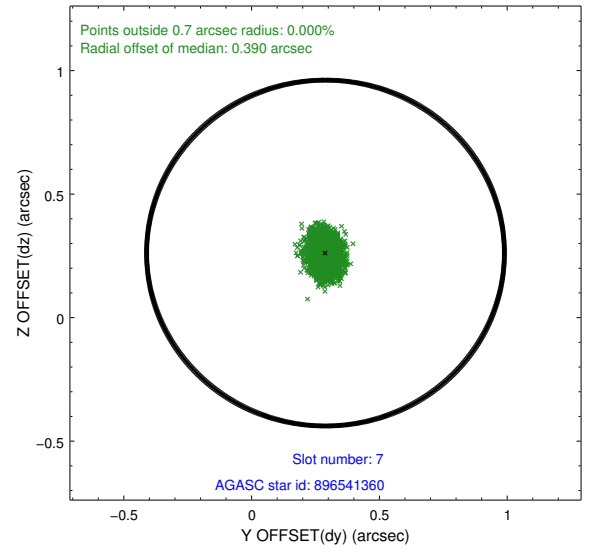
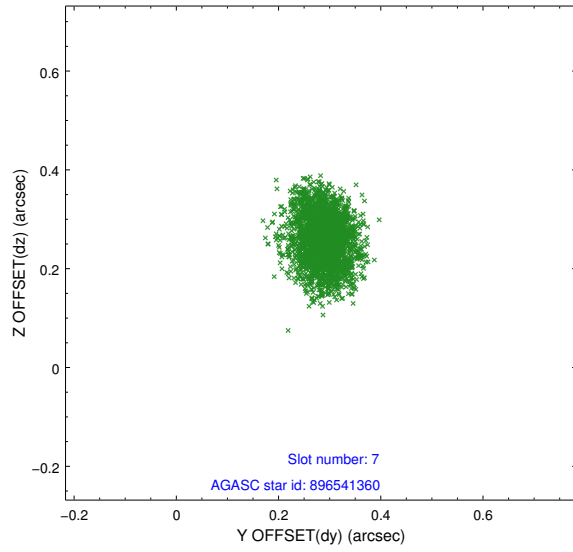
2.4.3 Slot 5



2.4.4 Slot 6

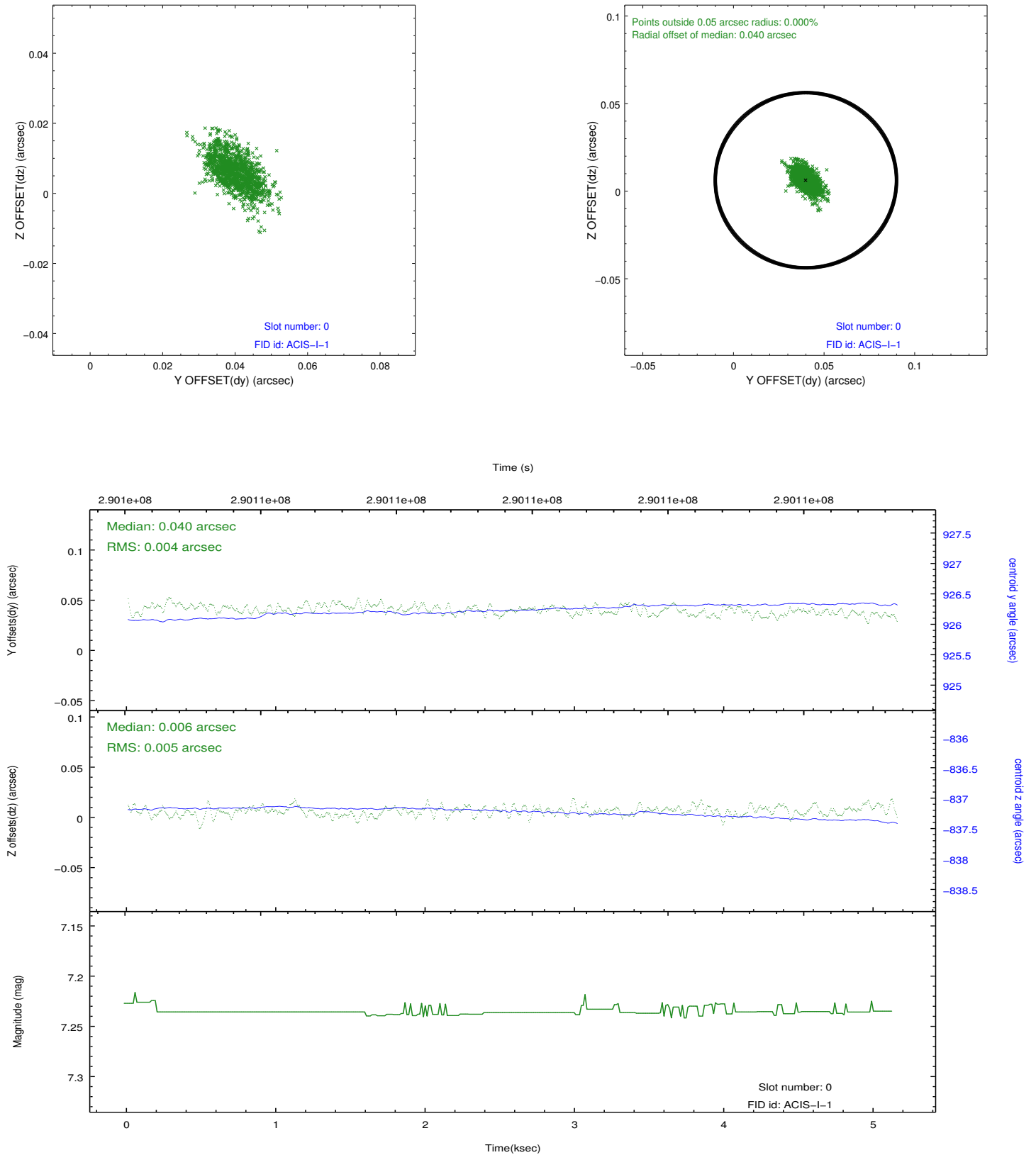


2.4.5 Slot 7

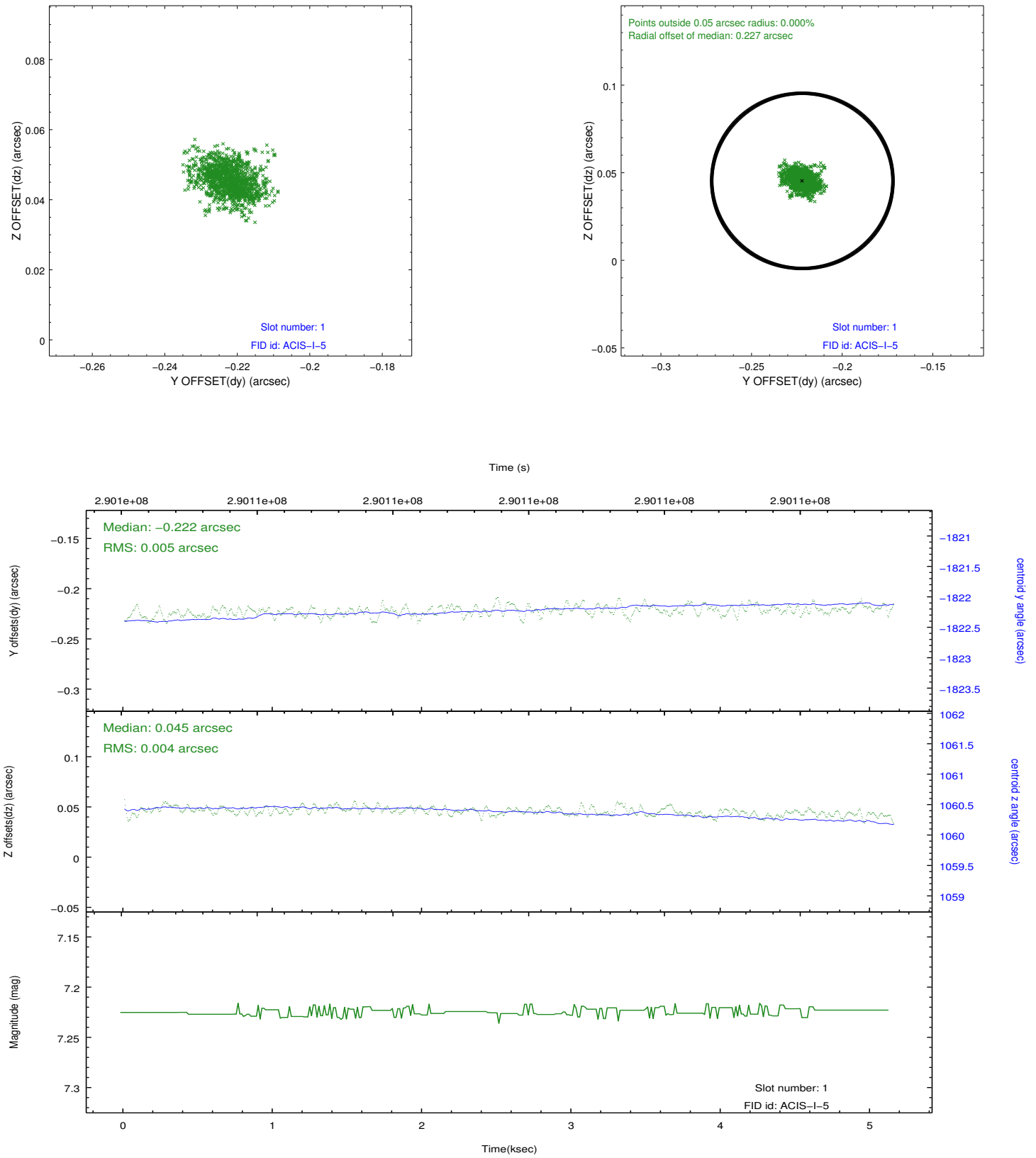


2.5 FID Slots

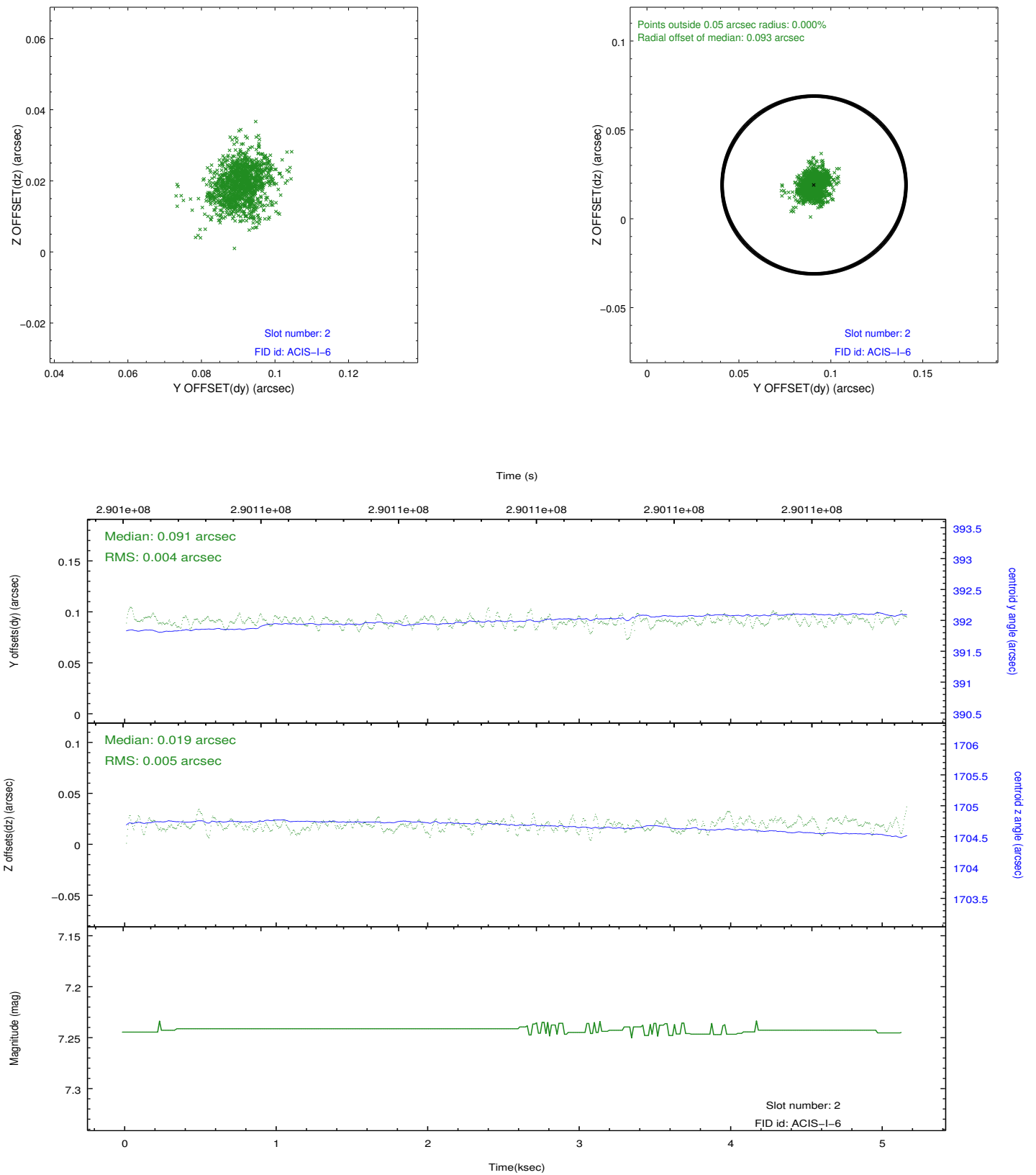
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14559998

A.2 Comments

Coordinated with VLA