

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4707 - L2 Version 3
Chandra X-Ray Center

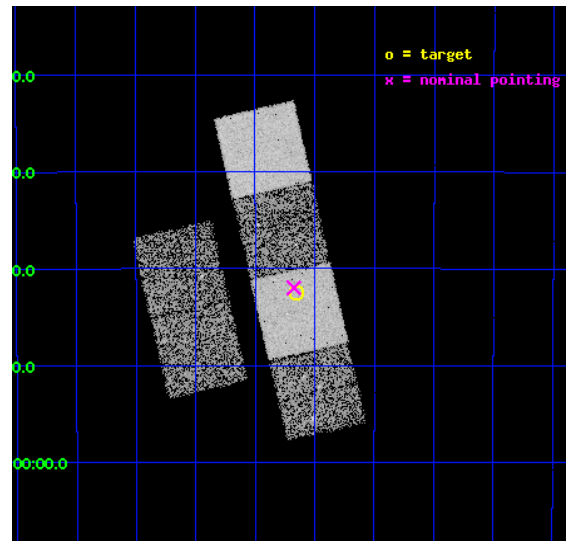
L2 Processing Date : Dec 7 2012

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1 Front

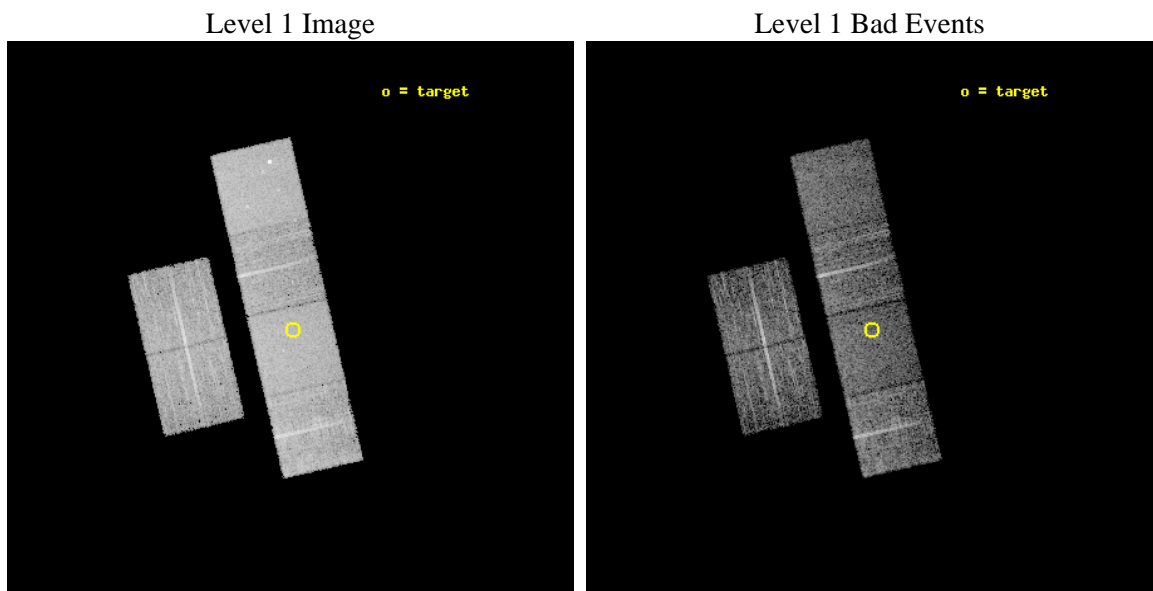
seq_num	600362	Sequence number
obs_id	4707	Observation id
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II	Proposal title
observer	Dr Thomas Maccarone	Principal investigator
object	SCULPTOR DWARF SPHEROIDAL	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.039167	Observer's specified target RA [deg]
dec_targ	-33.708889	Observer's specified target Dec [deg]
ra_nom	15.043733196513	Nominal RA [deg]
dec_nom	-33.69990863465	Nominal Dec [deg]
roll_nom	77.074535288666	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5957.6331135929	Sum of GTIs [s]
livetime	5882.1939758526	Livetime [s]
ontime2	5954.4331932068	Sum of GTIs [s]
ontime3	5957.509993583	Sum of GTIs [s]
ontime5	5957.5920735896	Sum of GTIs [s]
ontime6	5957.5510335863	Sum of GTIs [s]
ontime7	5957.6331135929	Sum of GTIs [s]
ontime8	5954.2279733419	Sum of GTIs [s]
l2events	68984	Number of level 2 events



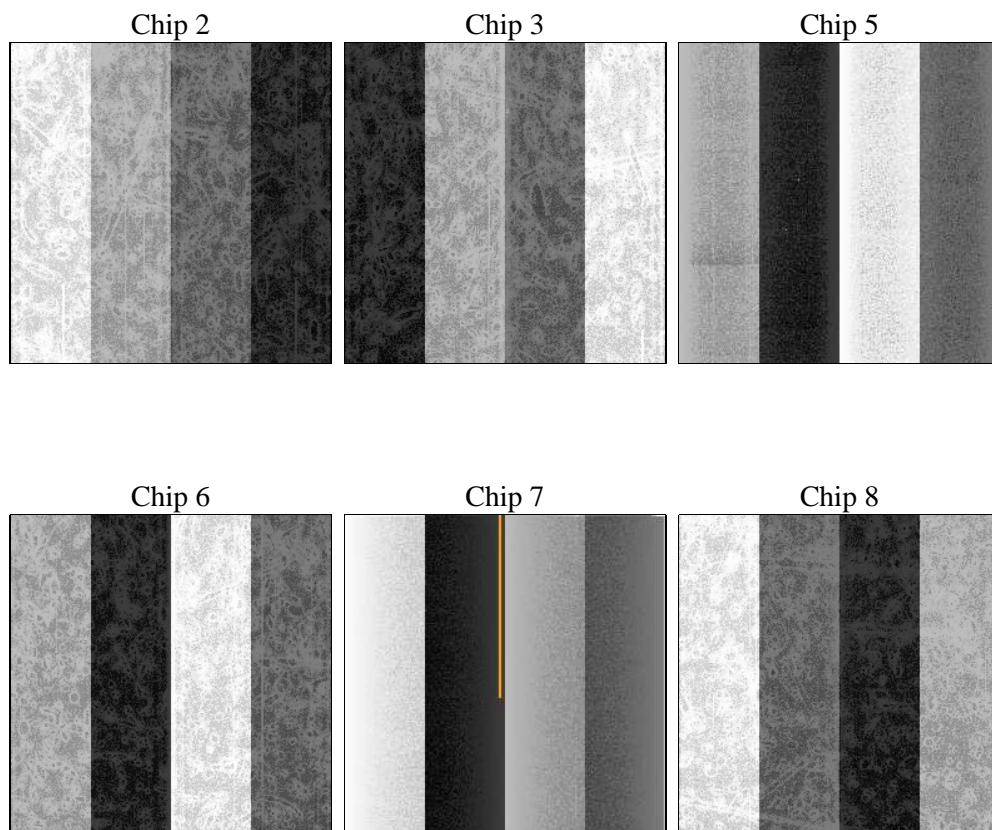
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	5957.6331135929	Sum of GTIs [s]
caldsver	4.5.4	 	ontime2	5954.4331932068	Sum of GTIs [s]
date	2012-12-07T16:18:54	Date and time of file creation	ontime3	5957.509993583	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5957.5920735896	Sum of GTIs [s]
			ontime6	5957.5510335863	Sum of GTIs [s]
			ontime7	5957.6331135929	Sum of GTIs [s]
			ontime8	5954.2279733419	Sum of GTIs [s]
			l1events	306481	Number of level 1 events

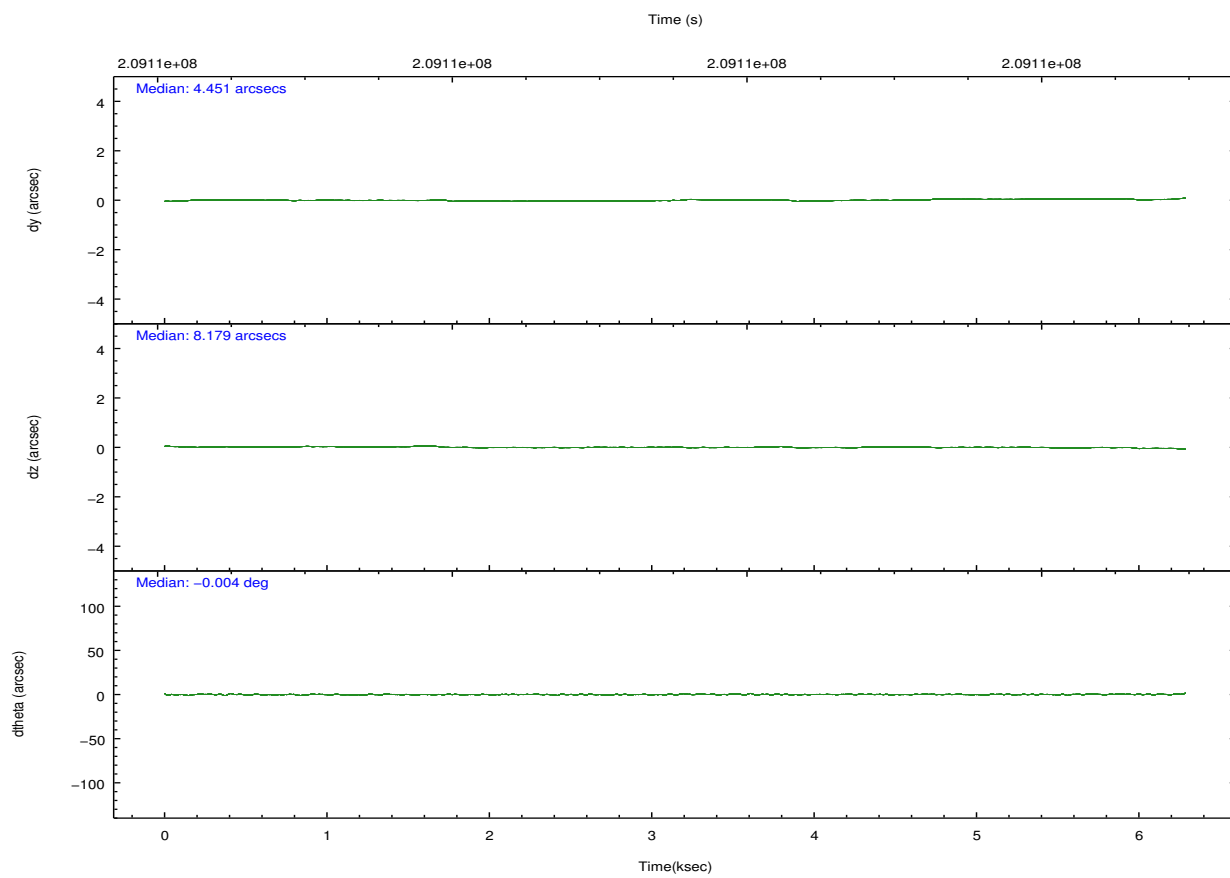
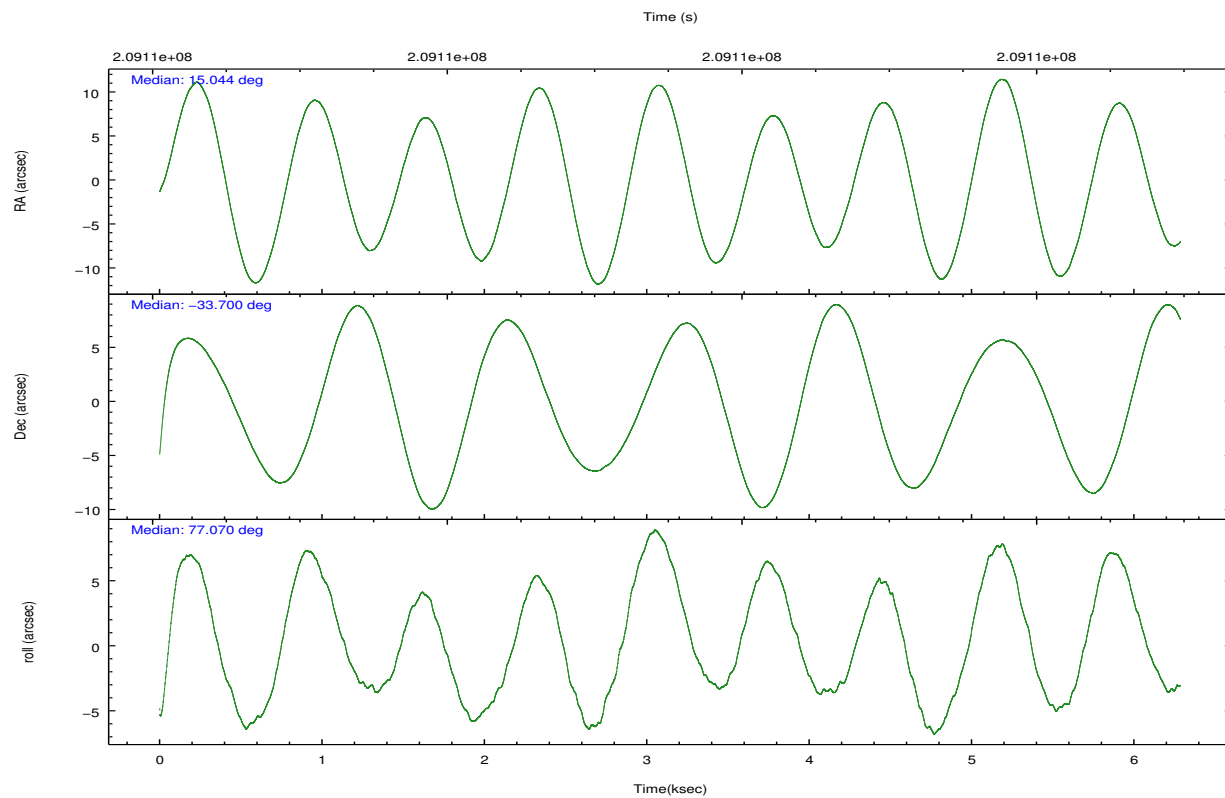
2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43974	41688	64084	43507	57677	55551	grade 0 events	2244	2180	2868	2077	2082	3783
rejected events	38852	36684	35093	38354	33708	43606		5%	5%	4%	4%	3%	6%
rejected %	88%	87%	54%	88%	58%	78%	grade 1 events	22	30	106	23	47	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1119	1010	8557	1118	4846	2743
								2%	2%	13%	2%	8%	4%
							grade 3 events	475	470	1088	465	2144	1232
								1%	1%	1%	1%	3%	2%
							grade 4 events	458	468	1030	471	2055	1178
								1%	1%	1%	1%	3%	2%
							grade 5 events	1761	1880	4619	1919	5548	2614
								4%	4%	7%	4%	9%	4%
							grade 6 events	830	882	15486	1026	12853	3038
								1%	2%	24%	2%	22%	5%
							grade 7 events	37065	34768	30330	36408	28102	40921
								84%	83%	47%	83%	48%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.053751	15.04373319651344	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.725905	-33.69990863465004	Alternating exposures requested	N	N
[deg] Pointing Roll	76.923479	77.07453528866604	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	209106655.184000	209105642.95762			
Observation start date	2004-08-17T05:09:51	2004-08-17T04:54:02			
[s] Observation end time (MET)	209112655.184000	209113702.53298			
Observation end date	2004-08-17T06:49:51	2004-08-17T07:08:22			
Read mode	TIMED	TIMED			

2.3 Aspect

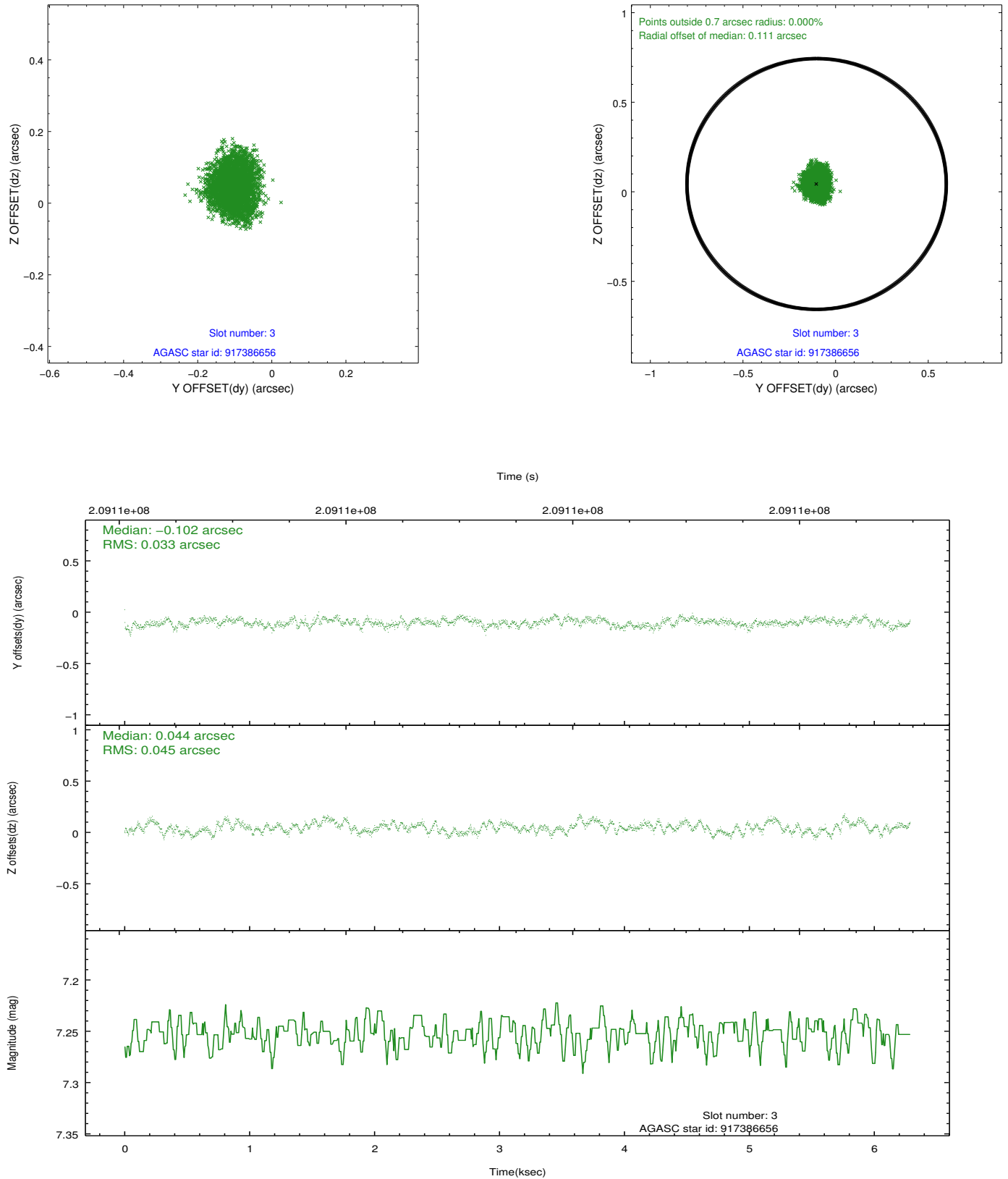


Slot Statistics

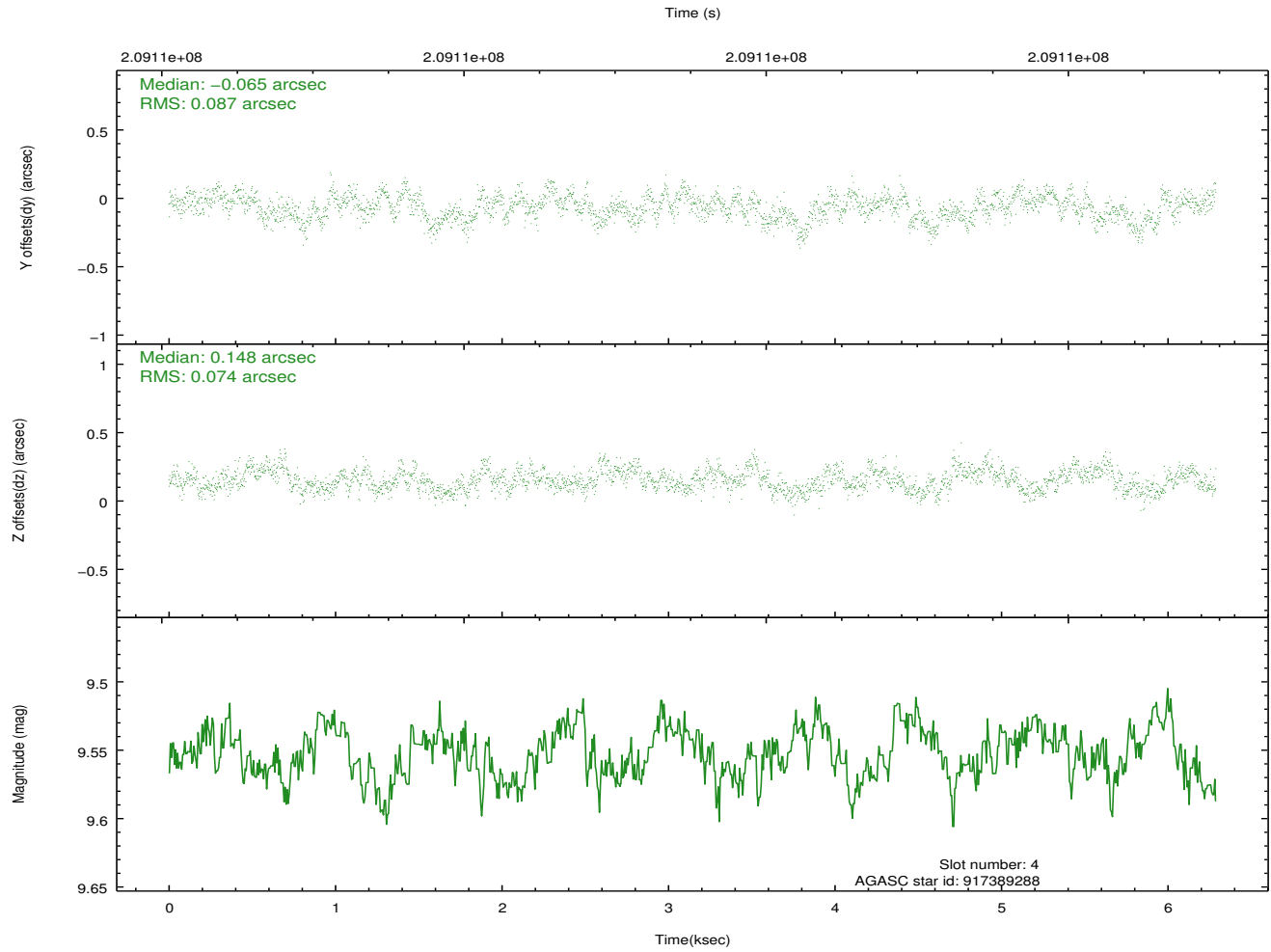
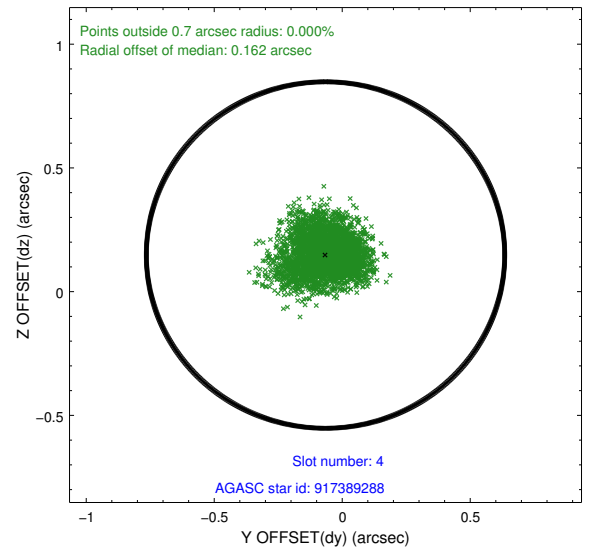
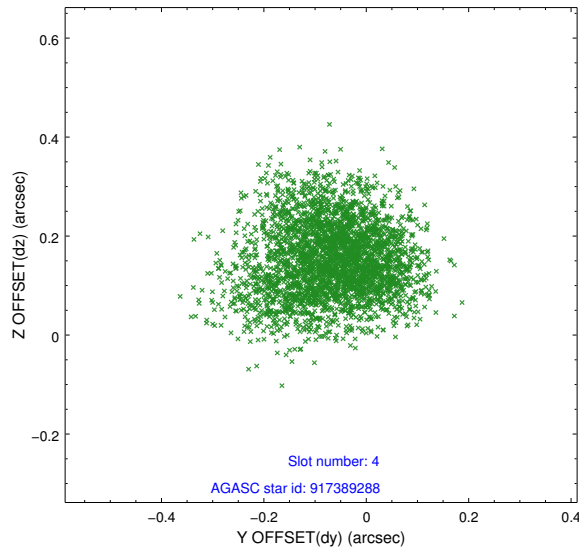
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1534	0.034	-0.041	0.007	0.011	0.000000	0.000000	938.88	-1725.07
1	FID	ACIS-S-4	7.20	1534	0.074	0.016	0.006	0.011	0.000000	0.000000	2156.90	178.15
2	FID	ACIS-S-5	7.24	1534	-0.135	0.037	0.006	0.010	0.000000	0.000000	-1808.91	172.92
3	GUIDE	917386656	7.25	3068	-0.102	0.044	0.061	0.094	15.342124	-33.359890	1478.41	-546.58
4	GUIDE	917389288	9.55	3068	-0.065	0.148	0.123	0.194	15.394706	-33.185862	2124.78	-560.95
5	GUIDE	917390768	9.86	3065	0.078	-0.071	0.111	0.178	14.870561	-33.104152	2055.43	1044.43
6	GUIDE	917642024	8.88	3067	0.033	0.182	0.093	0.150	15.645887	-34.369984	-1864.48	-2239.70
7	GUIDE	917650528	8.72	3067	0.052	-0.305	0.074	0.125	14.274554	-33.869842	-1041.09	2148.44

2.4 Star Slots

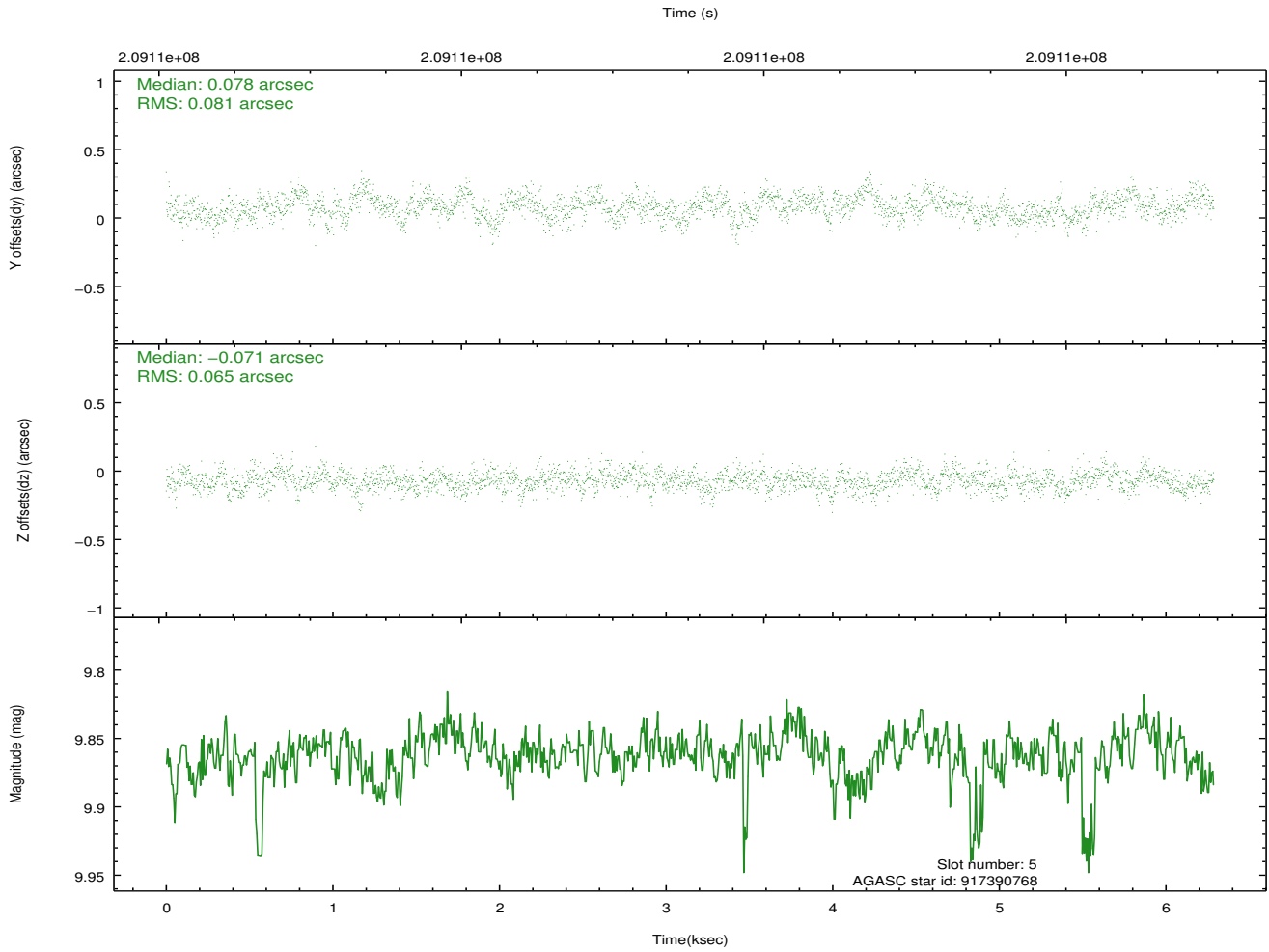
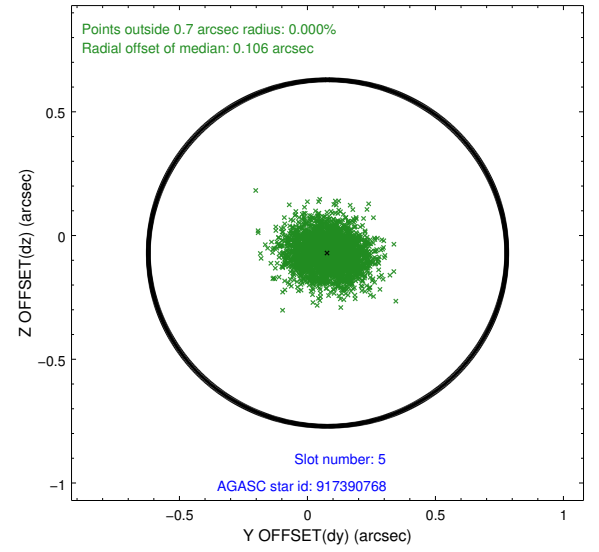
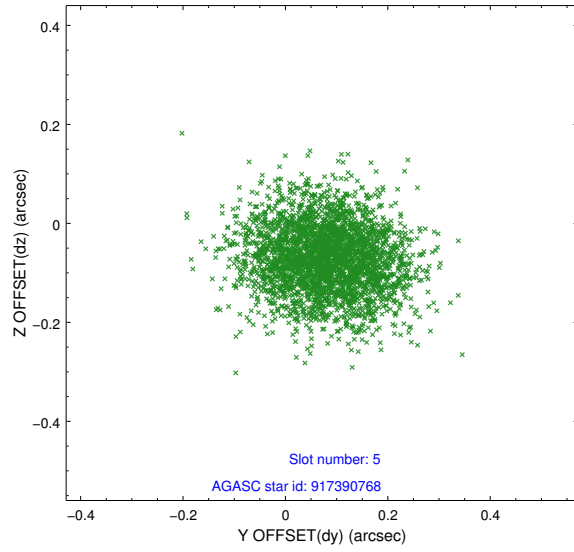
2.4.1 Slot 3



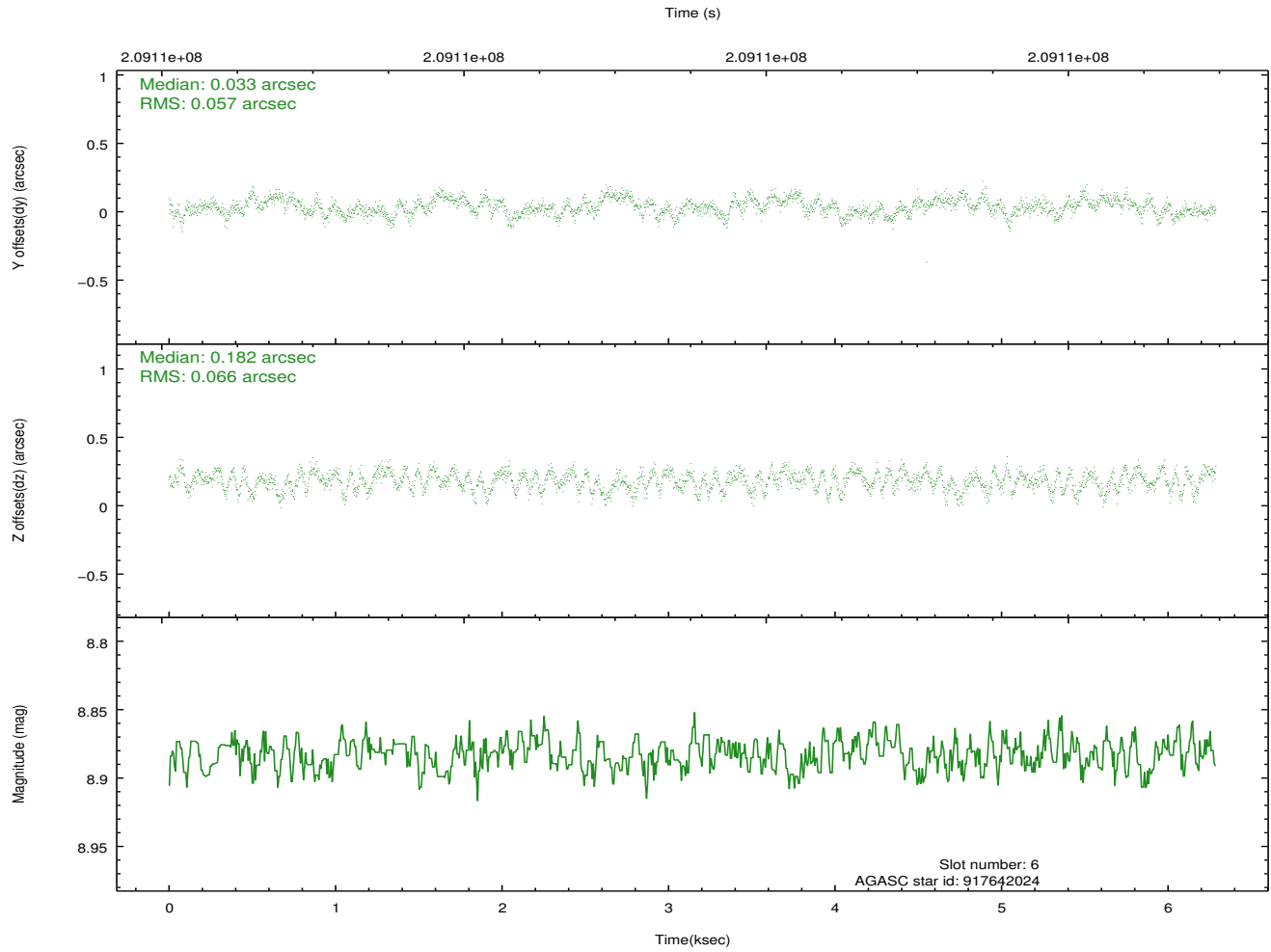
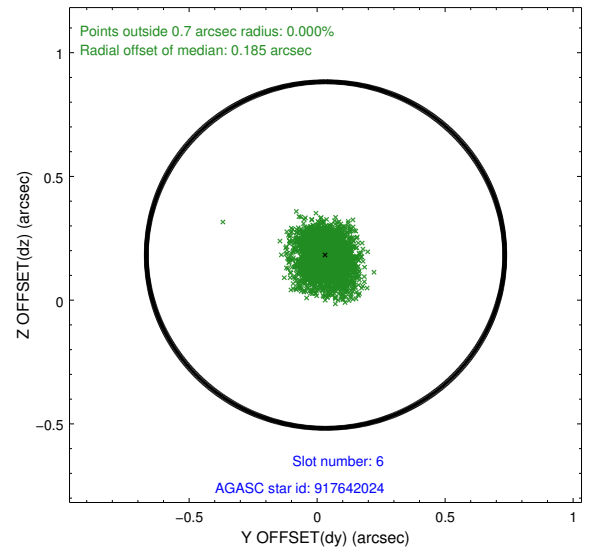
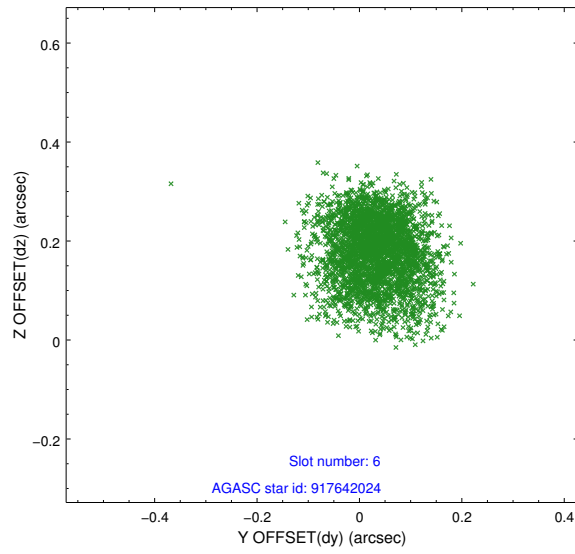
2.4.2 Slot 4



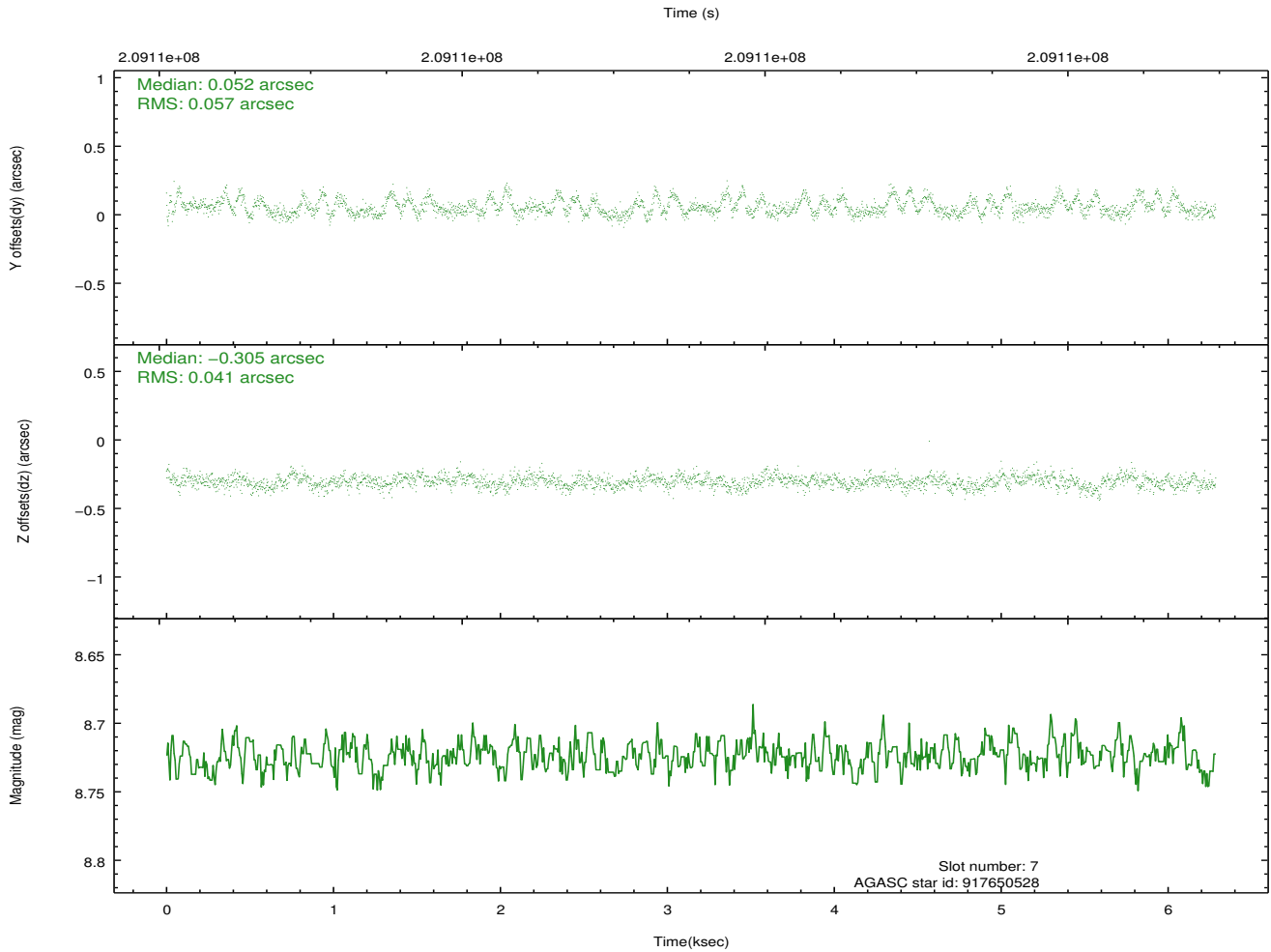
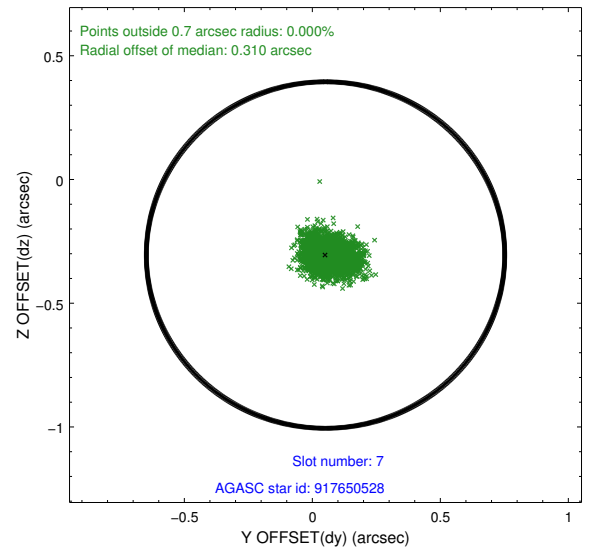
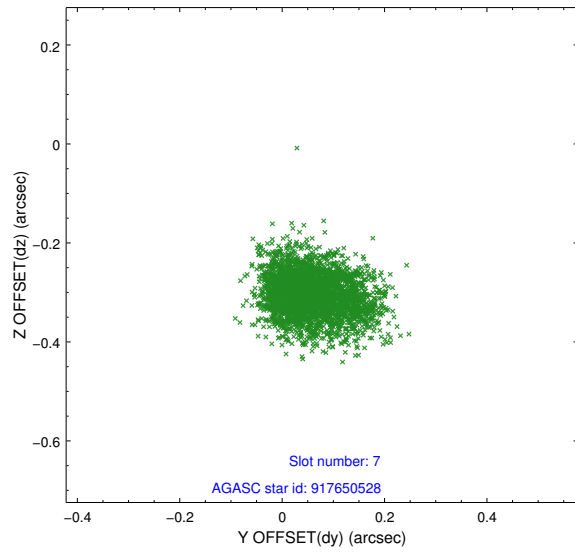
2.4.3 Slot 5



2.4.4 Slot 6

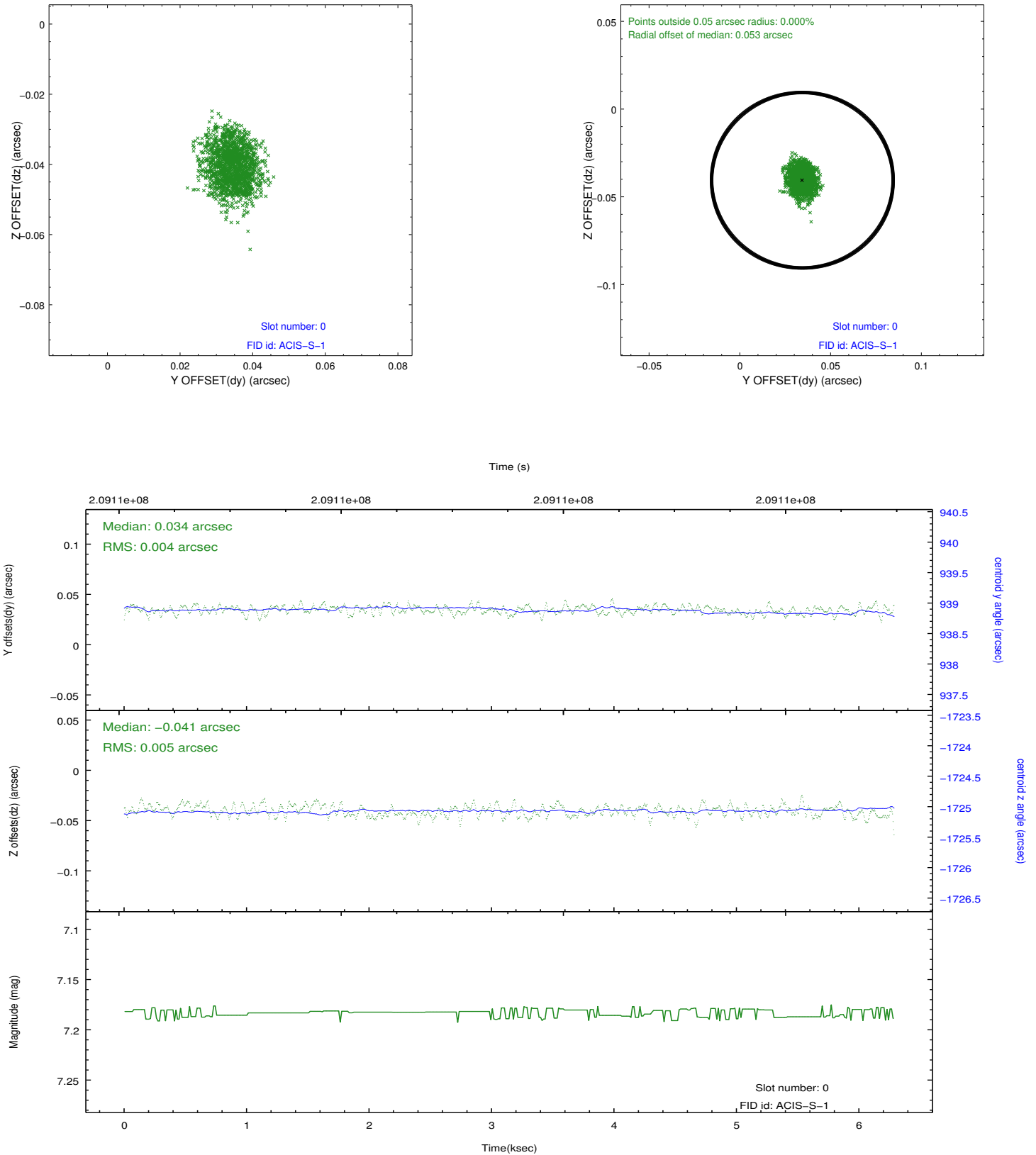


2.4.5 Slot 7

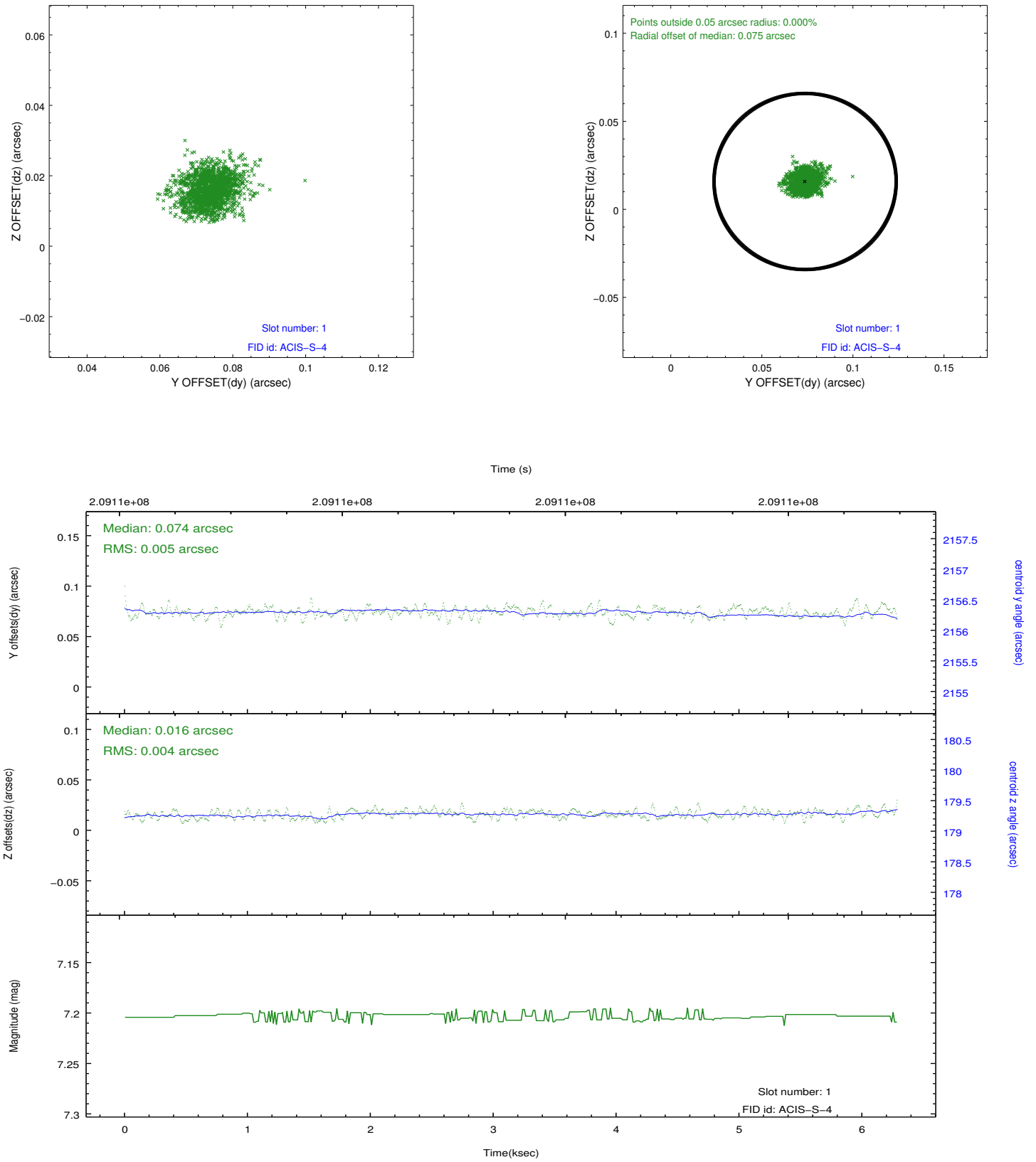


2.5 FID Slots

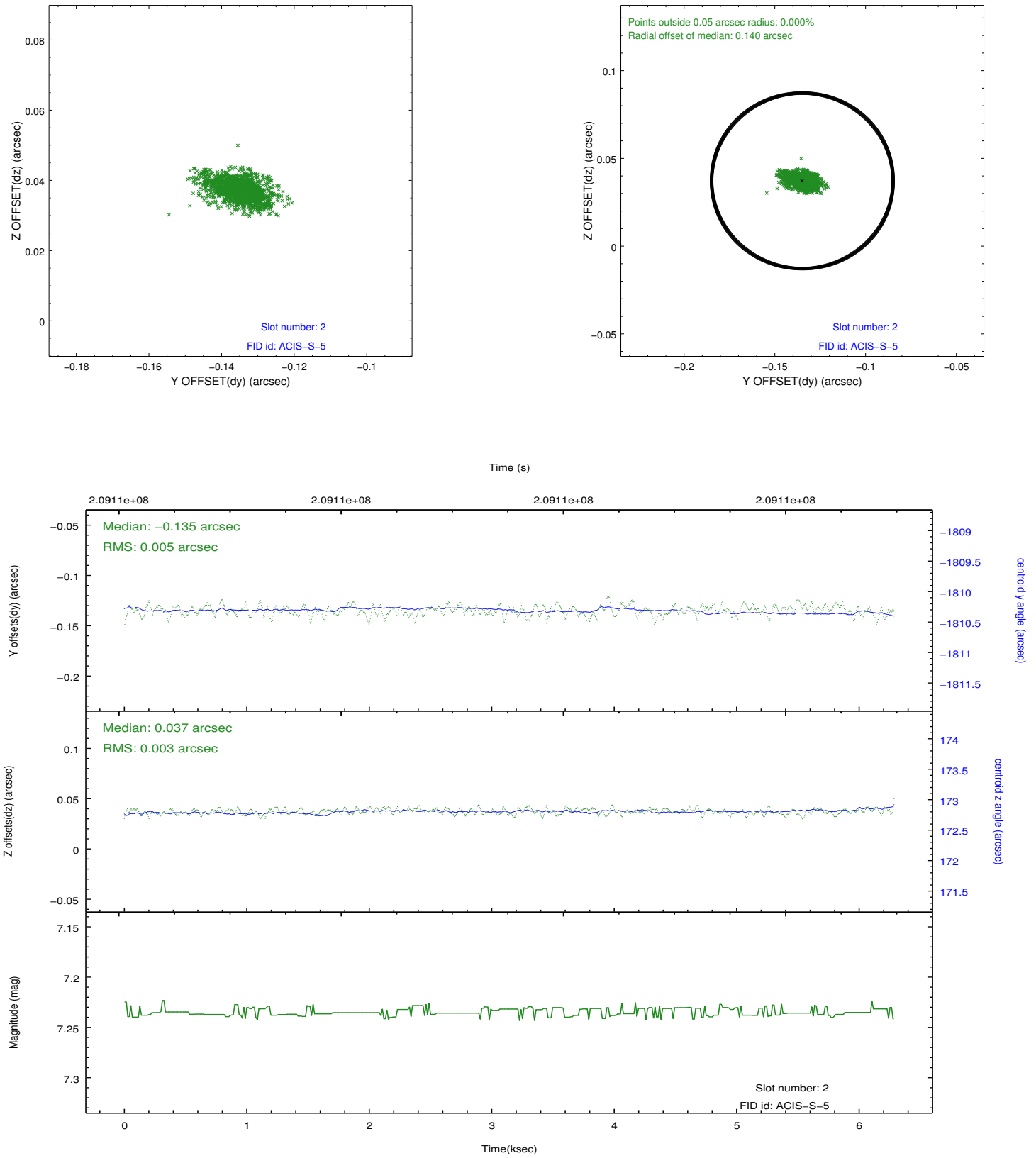
2.5.1 Slot 0



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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.958

A.2 Comments

Monitor constraint met. Joint Proposal: NOAO