

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4698 - L2 Version 4
Chandra X-Ray Center

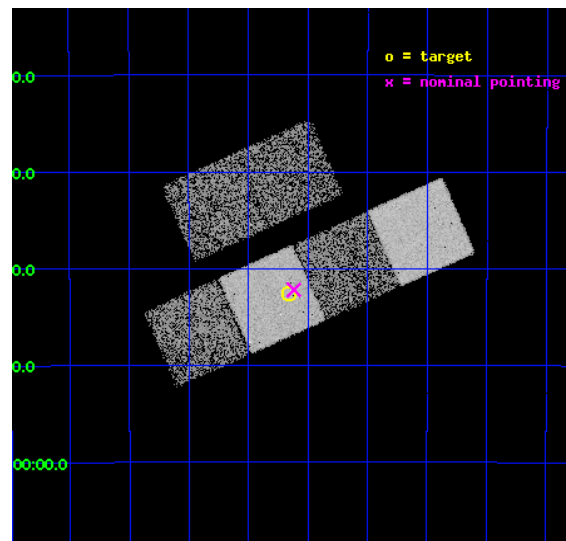
L2 Processing Date : Nov 30 2012

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1 Front

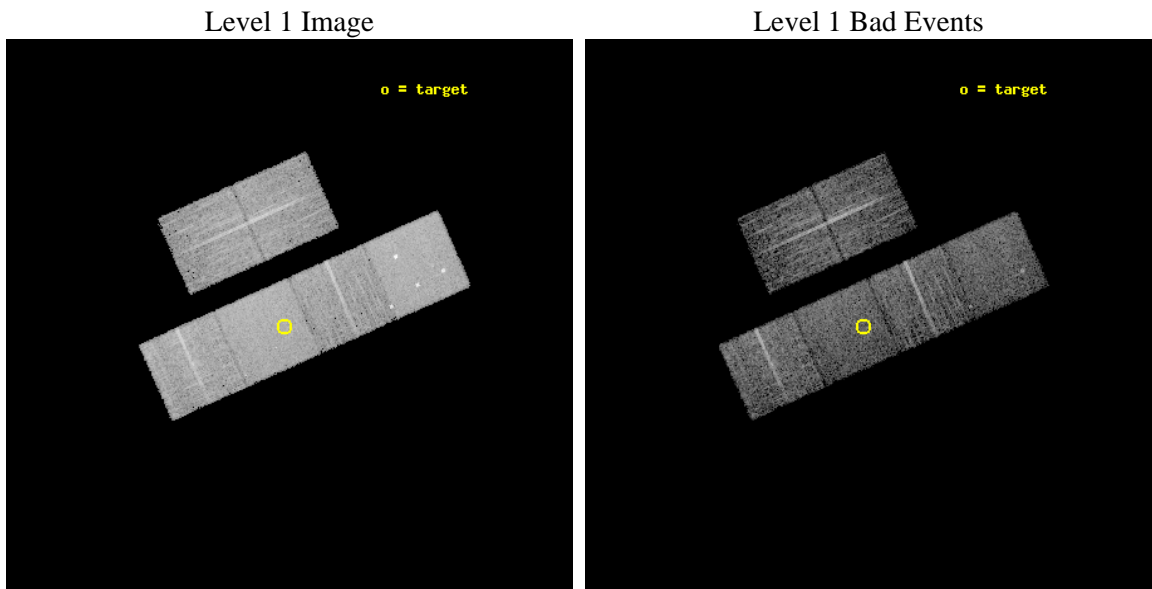
seq_num	600353	Sequence number
obs_id	4698	Observation id
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II	Proposal title
observer	Dr Thomas Maccarone	Principal investigator
object	SCULPTOR DWARF SPHEROIDAL	Source name
dtcycle	0	
cycle	P	events from 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	15.029524950262	Nominal RA [deg]
dec_nom	-33.703396168066	Nominal Dec [deg]
roll_nom	155.9640033932	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6137.5999771357	Sum of GTIs [s]
livetime	6059.8819906061	Livetime [s]
ontime2	6137.5999771357	Sum of GTIs [s]
ontime3	6137.5999771357	Sum of GTIs [s]
ontime5	6137.5999771357	Sum of GTIs [s]
ontime6	6134.358986944	Sum of GTIs [s]
ontime7	6137.5999771357	Sum of GTIs [s]
ontime8	6137.5999771357	Sum of GTIs [s]
l2events	68543	Number of level 2 events



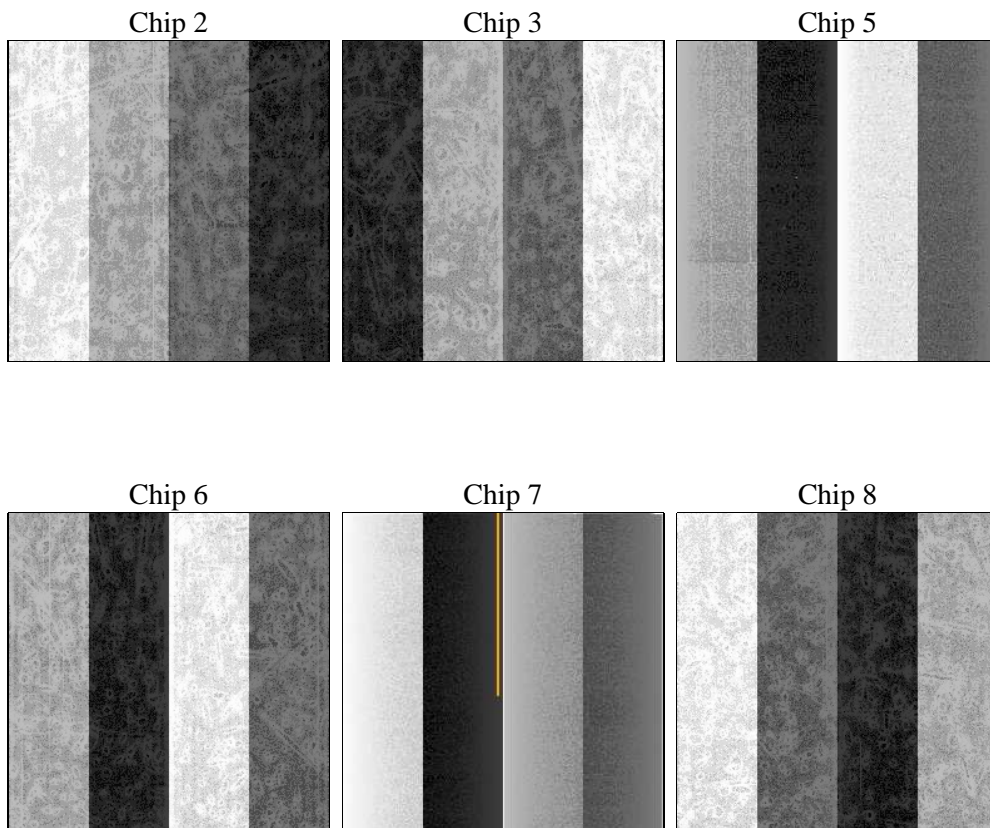
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6137.5999771357	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	6137.5999771357	Sum of GTIs [s]
date	2012-11-30T15:27:45	Date and time of file creation	ontime3	6137.5999771357	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	6137.5999771357	Sum of GTIs [s]
			ontime6	6134.358986944	Sum of GTIs [s]
			ontime7	6137.5999771357	Sum of GTIs [s]
			ontime8	6137.5999771357	Sum of GTIs [s]
			l1events	351144	Number of level 1 events

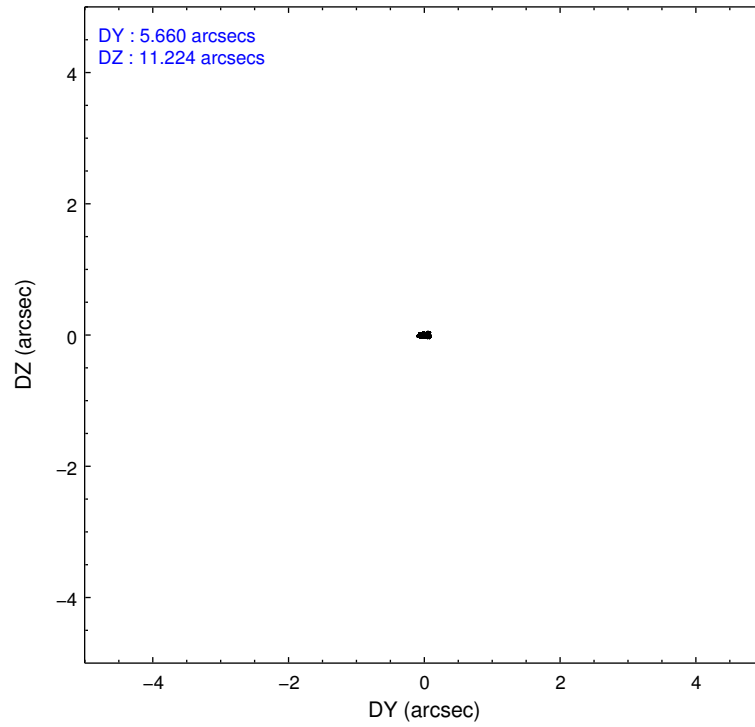
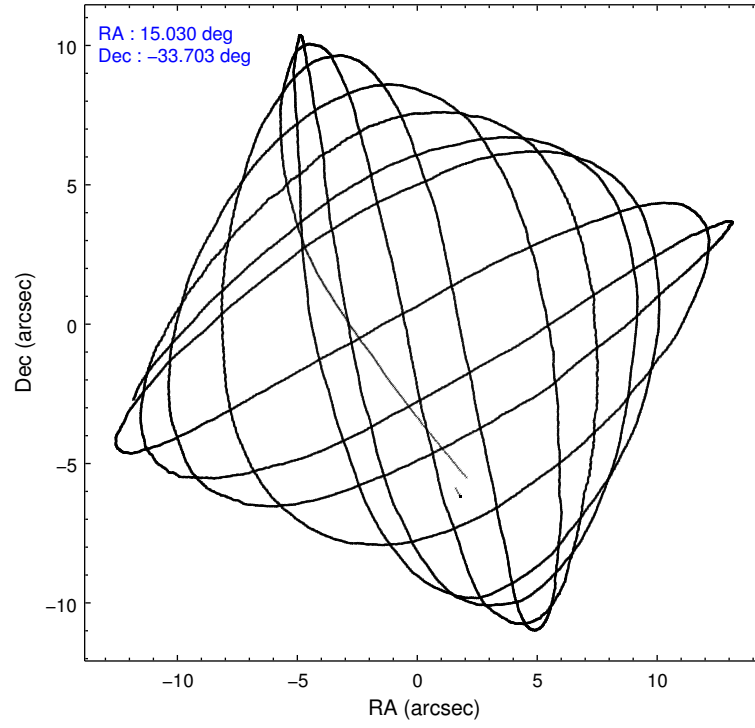
2.1.4 Events

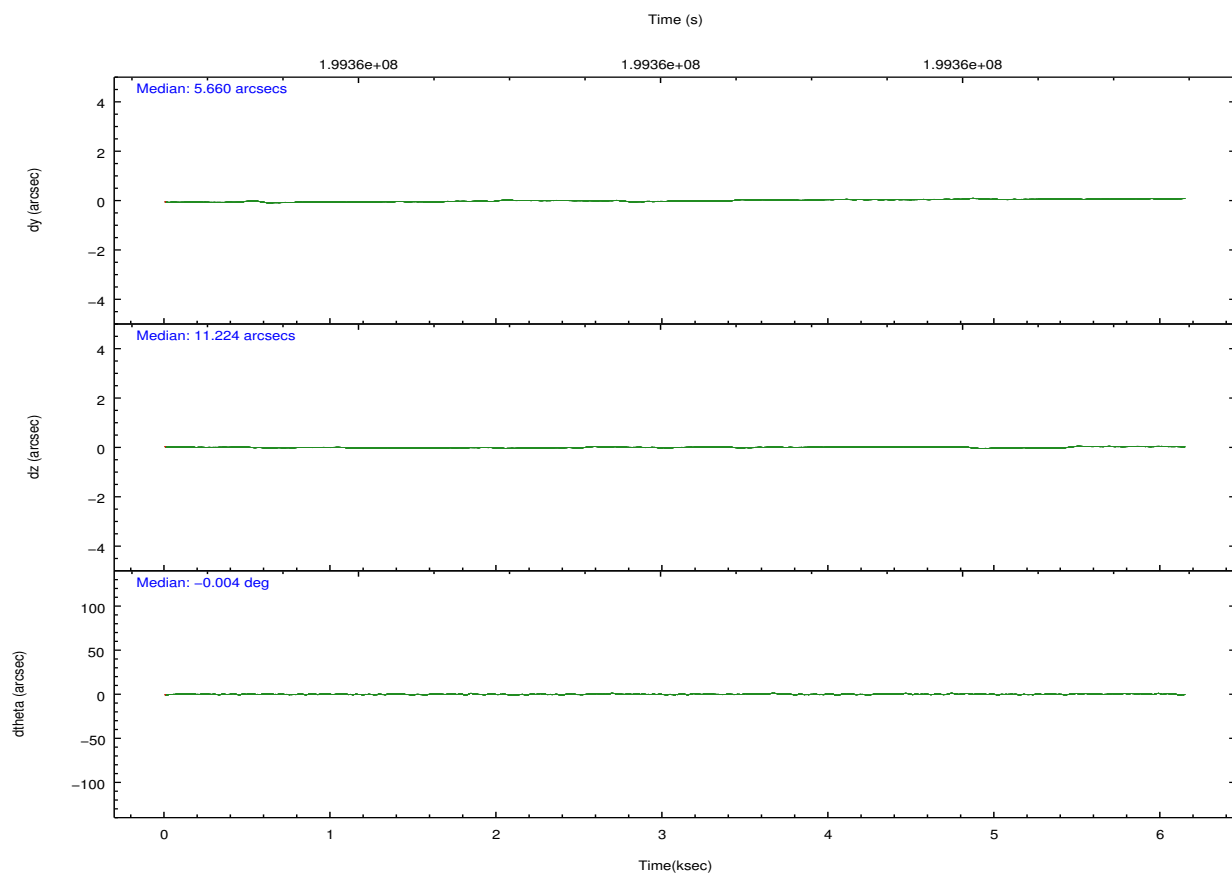
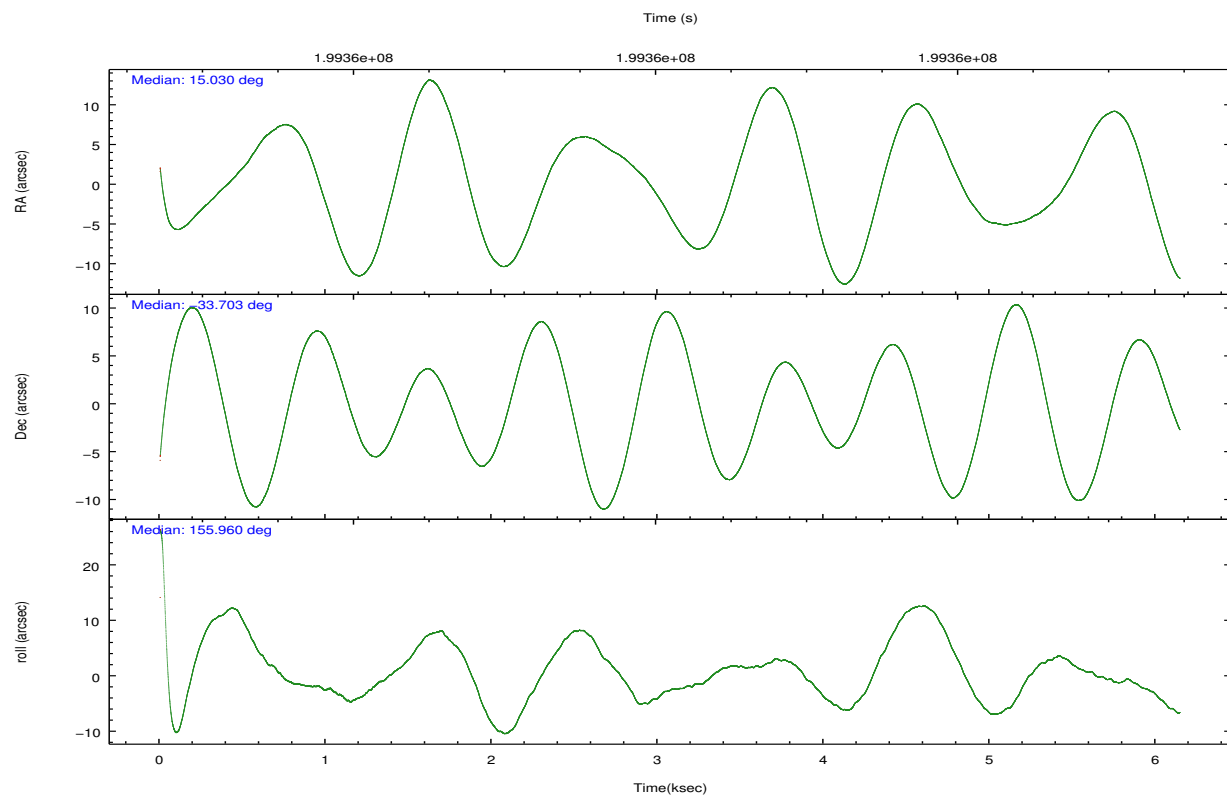
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47758	47796	76350	50762	67052	61426	grade 0 events	2567	2554	5277	2367	2444	3972
rejected events	42774	42881	45247	45694	43252	50176		5%	5%	6%	4%	3%	6%
rejected %	89%	89%	59%	90%	64%	81%	grade 1 events	27	27	251	17	56	38
								0%	0%	0%	0%	0%	0%
							grade 2 events	1138	1073	10277	1157	5380	2934
								2%	2%	13%	2%	8%	4%
							grade 3 events	508	477	1370	568	2456	1272
								1%	0%	1%	1%	3%	2%
							grade 4 events	549	553	1303	549	2370	1204
								1%	1%	1%	1%	3%	1%
							grade 5 events	1944	2163	5447	2277	6390	2905
								4%	4%	7%	4%	9%	4%
							grade 6 events	936	1018	17594	1174	14708	3450
								1%	2%	23%	2%	21%	5%
							grade 7 events	40089	39931	34831	42653	33248	45651
								83%	83%	45%	84%	49%	74%

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	15.062049	15.02952495026221	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.700258	-33.70339616806638	Alternating exposures requested	N	N
[deg] Pointing Roll	155.825356	155.964003393202	[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)	199357175.184000	199355678.01332			
Observation start date	2004-04-26T08:58:31	2004-04-26T08:34:38			
[s] Observation end time (MET)	199363175.184000	199363777.56367			
Observation end date	2004-04-26T10:38:31	2004-04-26T10:49:37			
Read mode	TIMED	TIMED			

2.3 Aspect



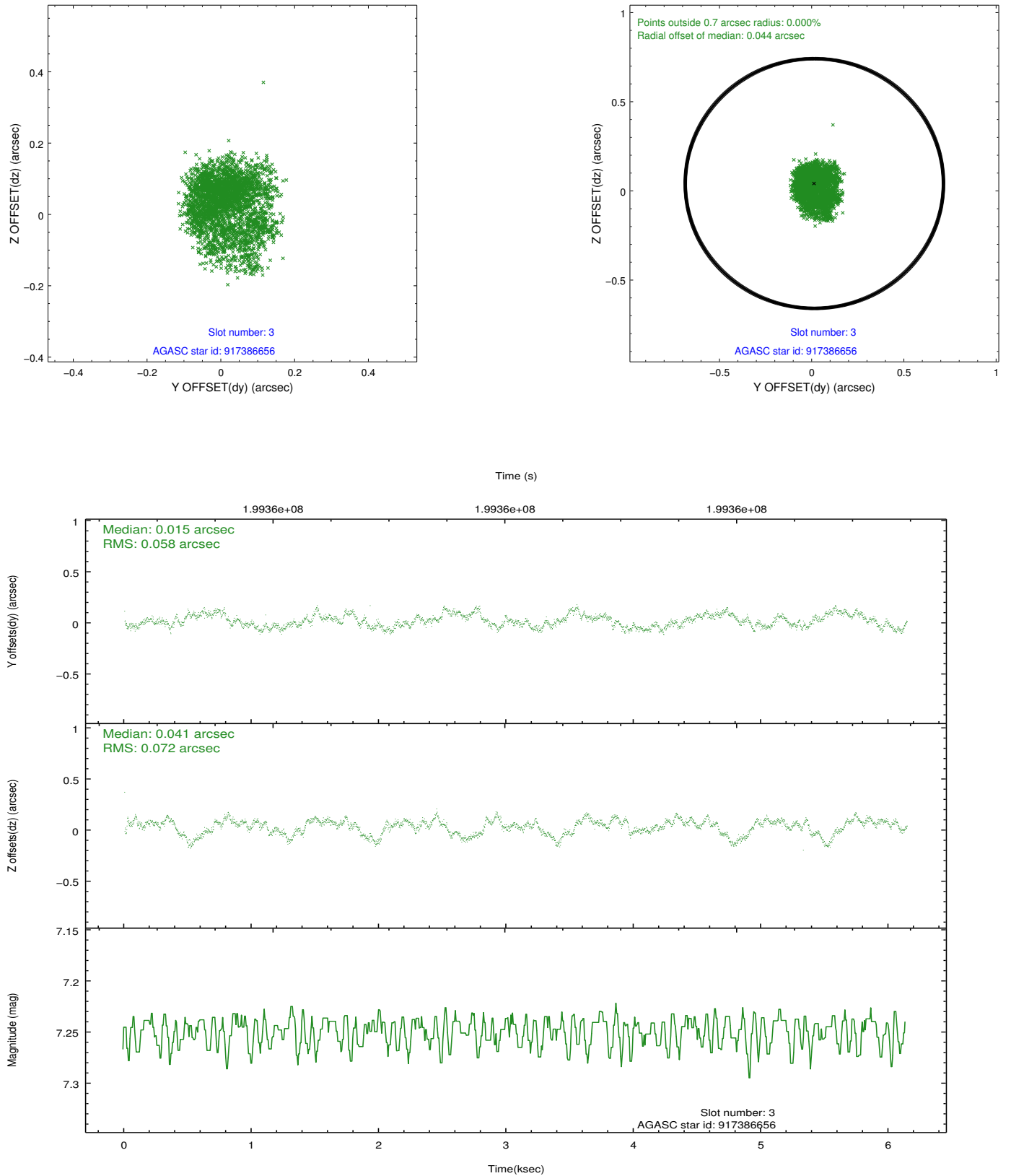


Slot Statistics

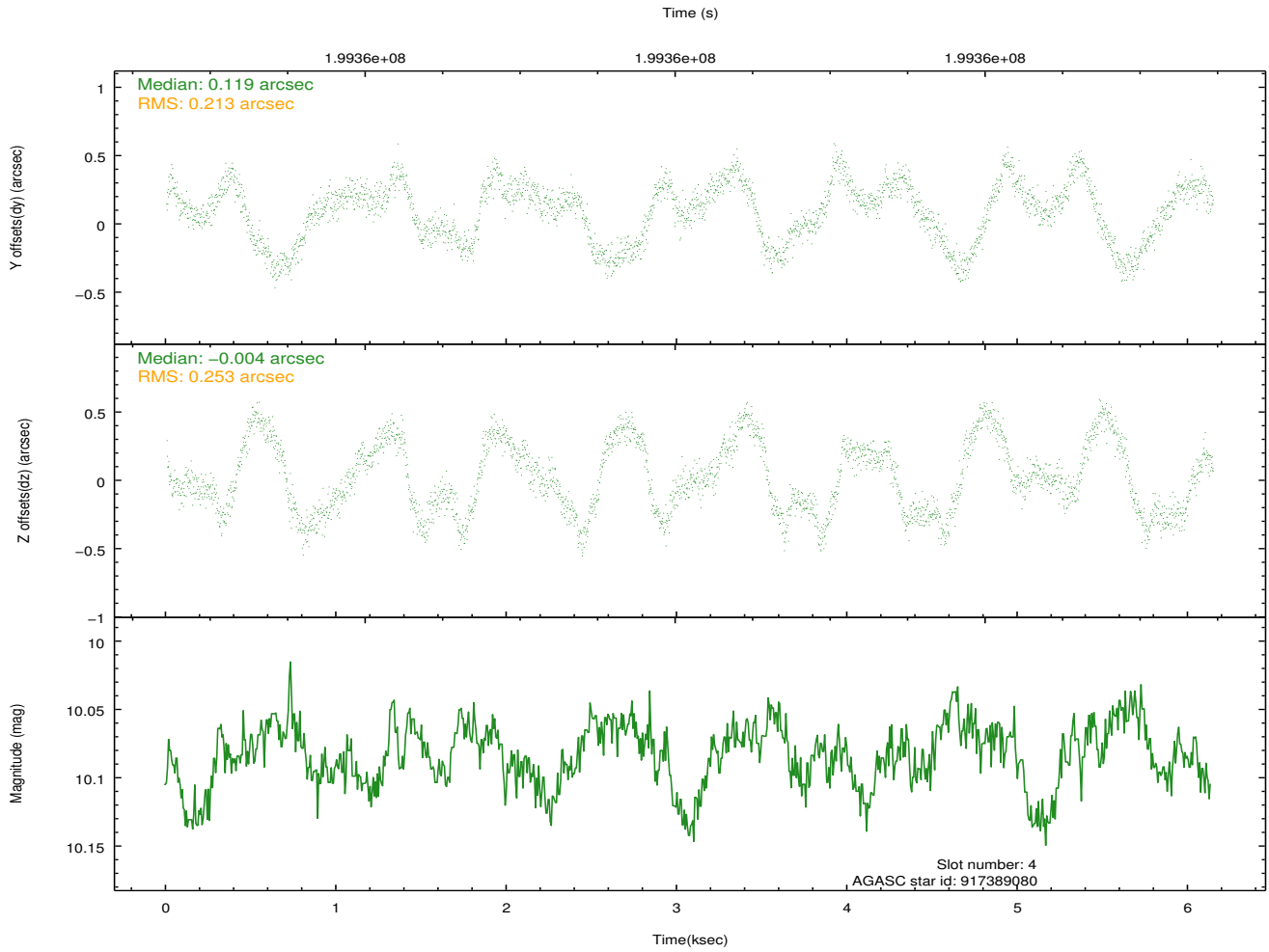
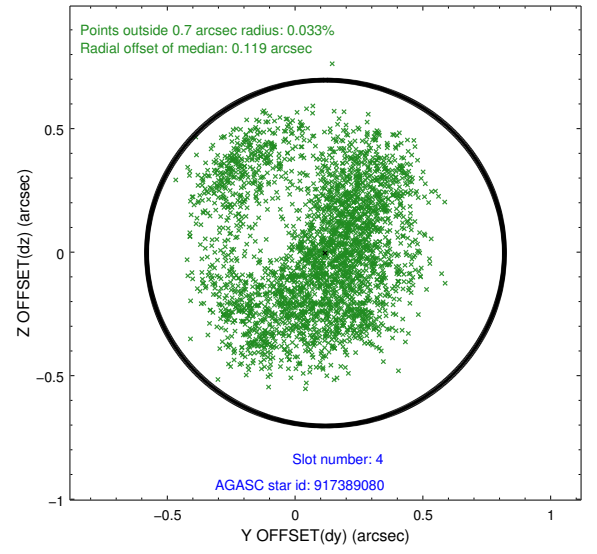
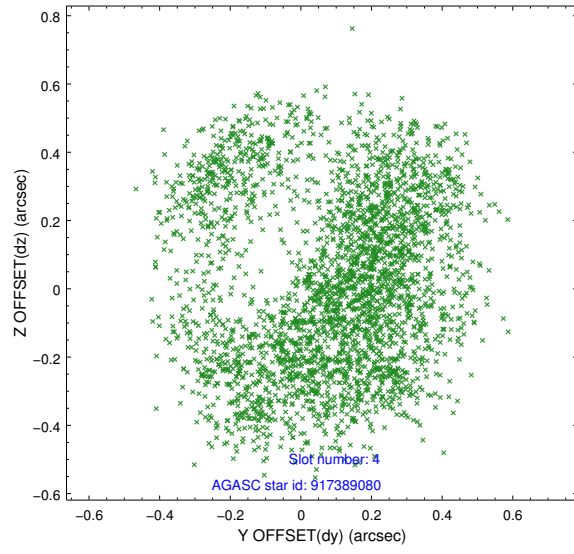
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1499	-0.052	-0.011	0.008	0.014	0.000000	0.000000	-758.42	-1732.52
1	FID	ACIS-S-4	7.20	1499	0.075	0.028	0.009	0.017	0.000000	0.000000	2154.54	175.03
2	FID	ACIS-S-5	7.23	1499	-0.054	-0.008	0.008	0.014	0.000000	0.000000	-1810.04	169.73
3	GUIDE	917386656	7.25	2996	0.015	0.041	0.099	0.162	15.342124	-33.359890	-266.74	-1461.30
4	GUIDE	917389080	10.08	2997	0.119	-0.004	0.376	0.533	15.722484	-33.662555	-1752.17	-928.58
5	GUIDE	917389288	9.58	2931	0.061	0.169	0.133	0.212	15.394706	-33.185862	-156.80	-2098.13
6	GUIDE	917650528	8.72	2997	-0.107	-0.158	0.099	0.151	14.274554	-33.869842	1893.66	1528.88
7	GUIDE	917651768	9.63	2992	-0.061	-0.039	0.146	0.236	14.115744	-33.817552	2404.35	1557.27

2.4 Star Slots

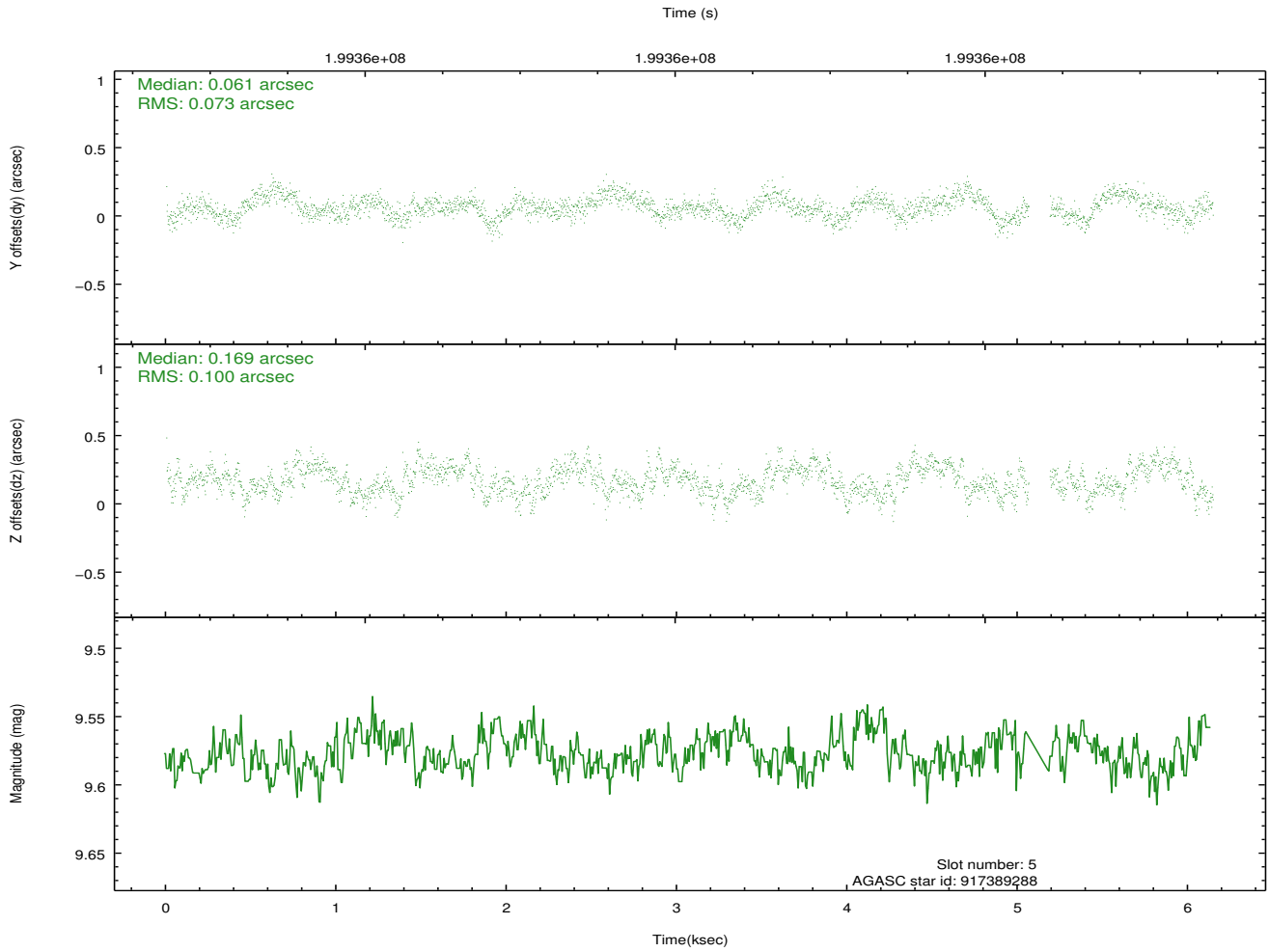
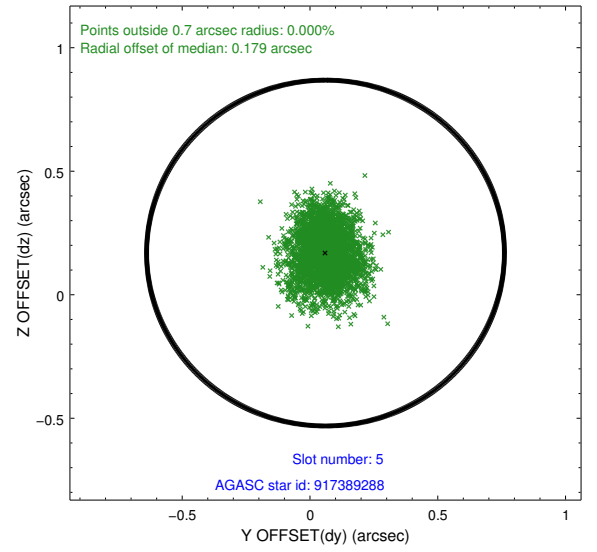
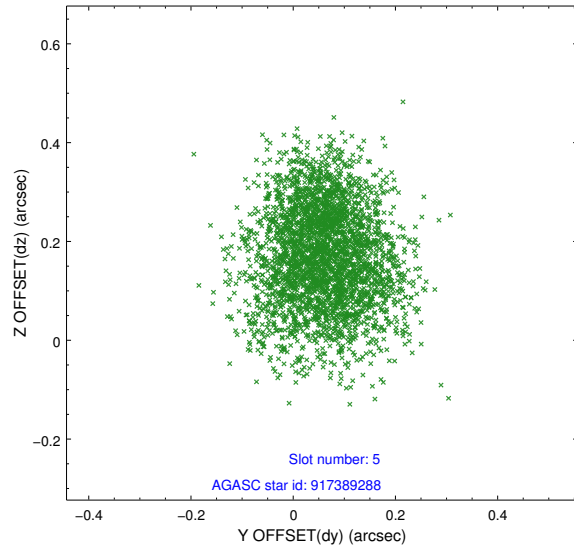
2.4.1 Slot 3



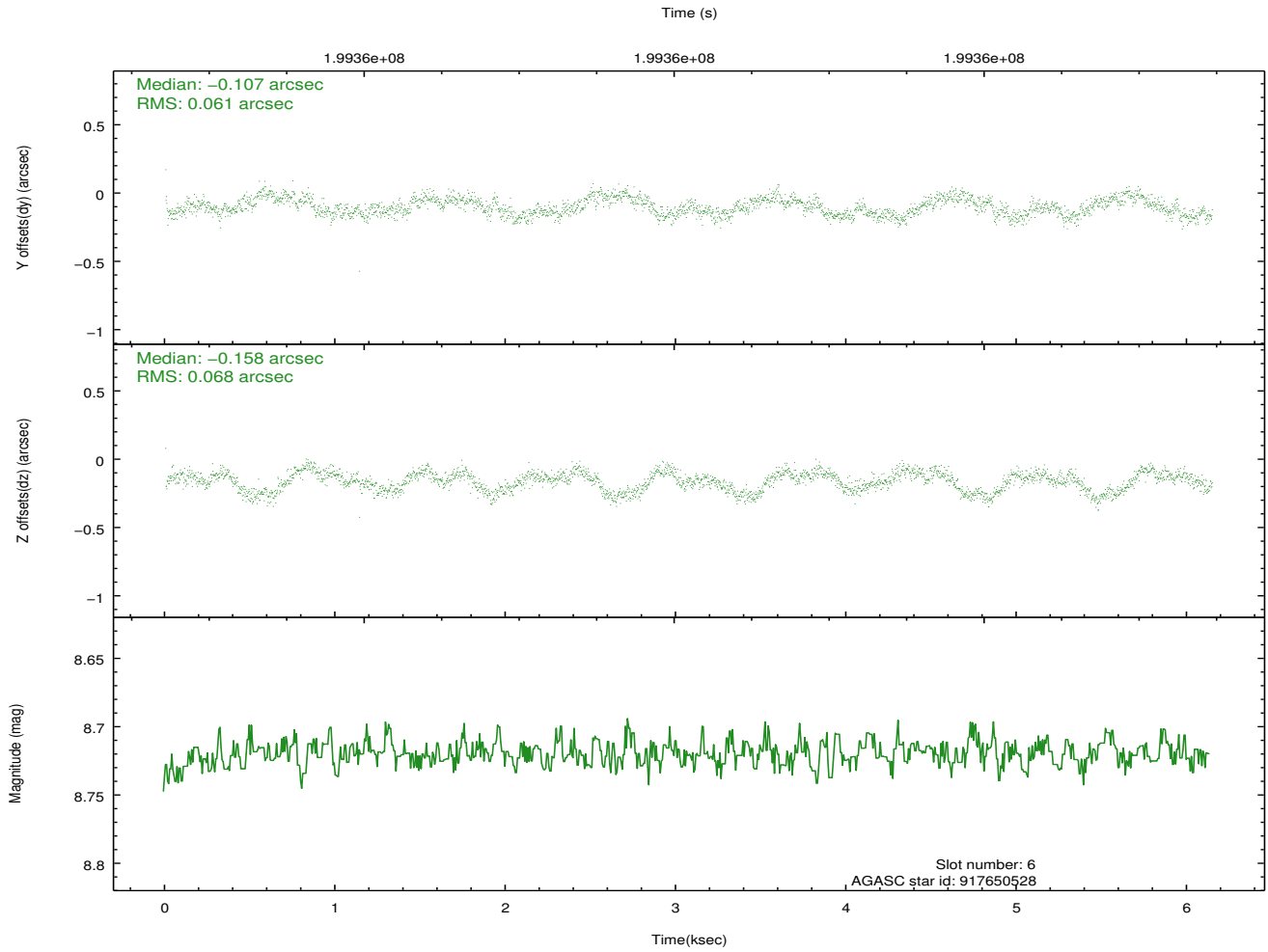
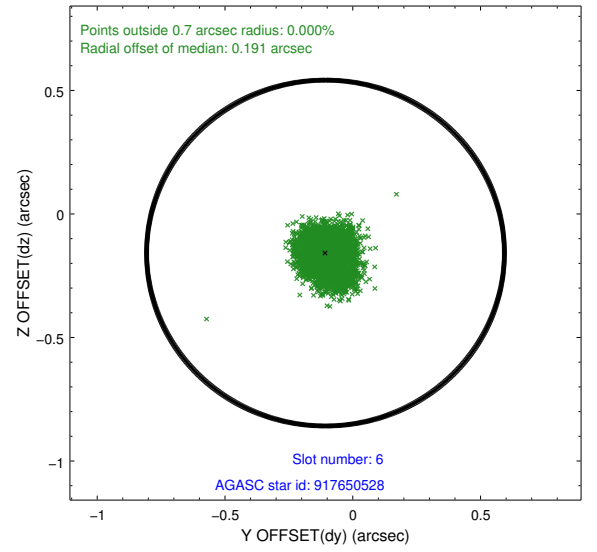
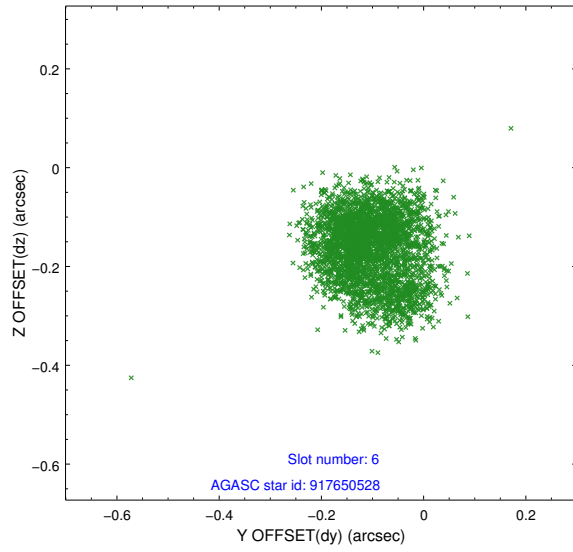
2.4.2 Slot 4



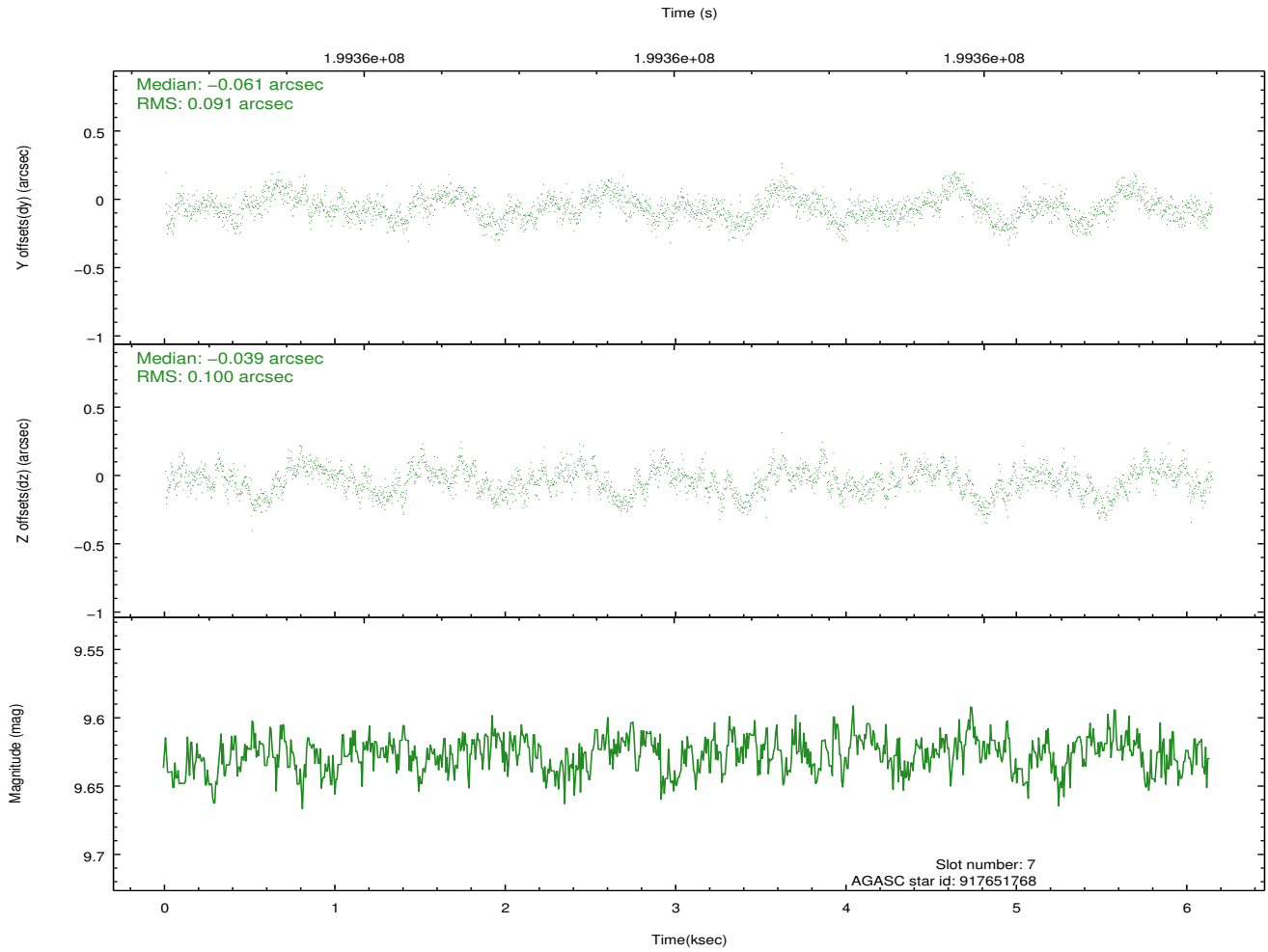
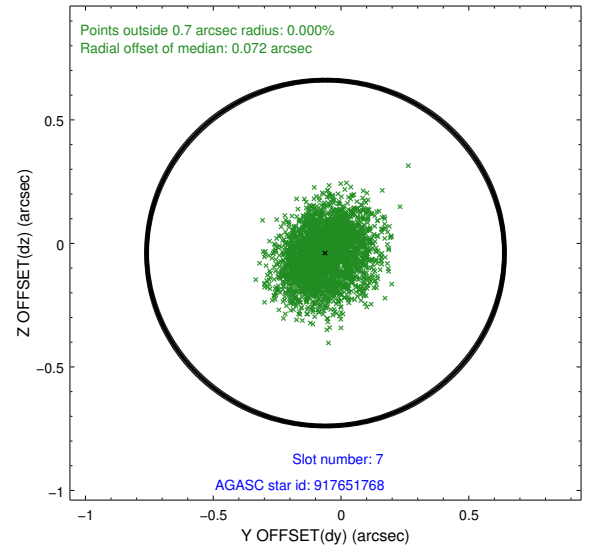
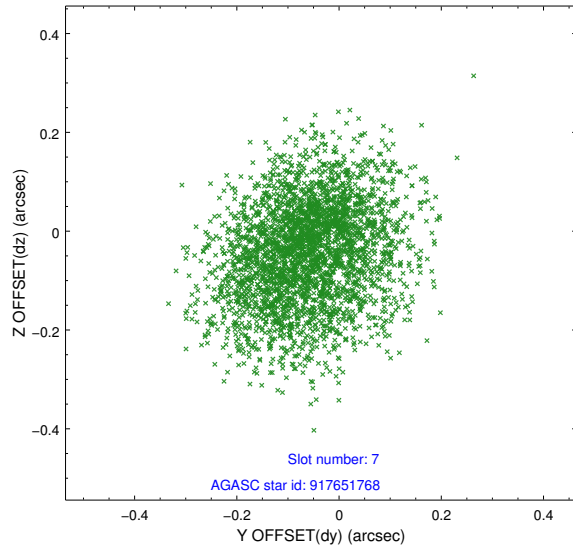
2.4.3 Slot 5



2.4.4 Slot 6

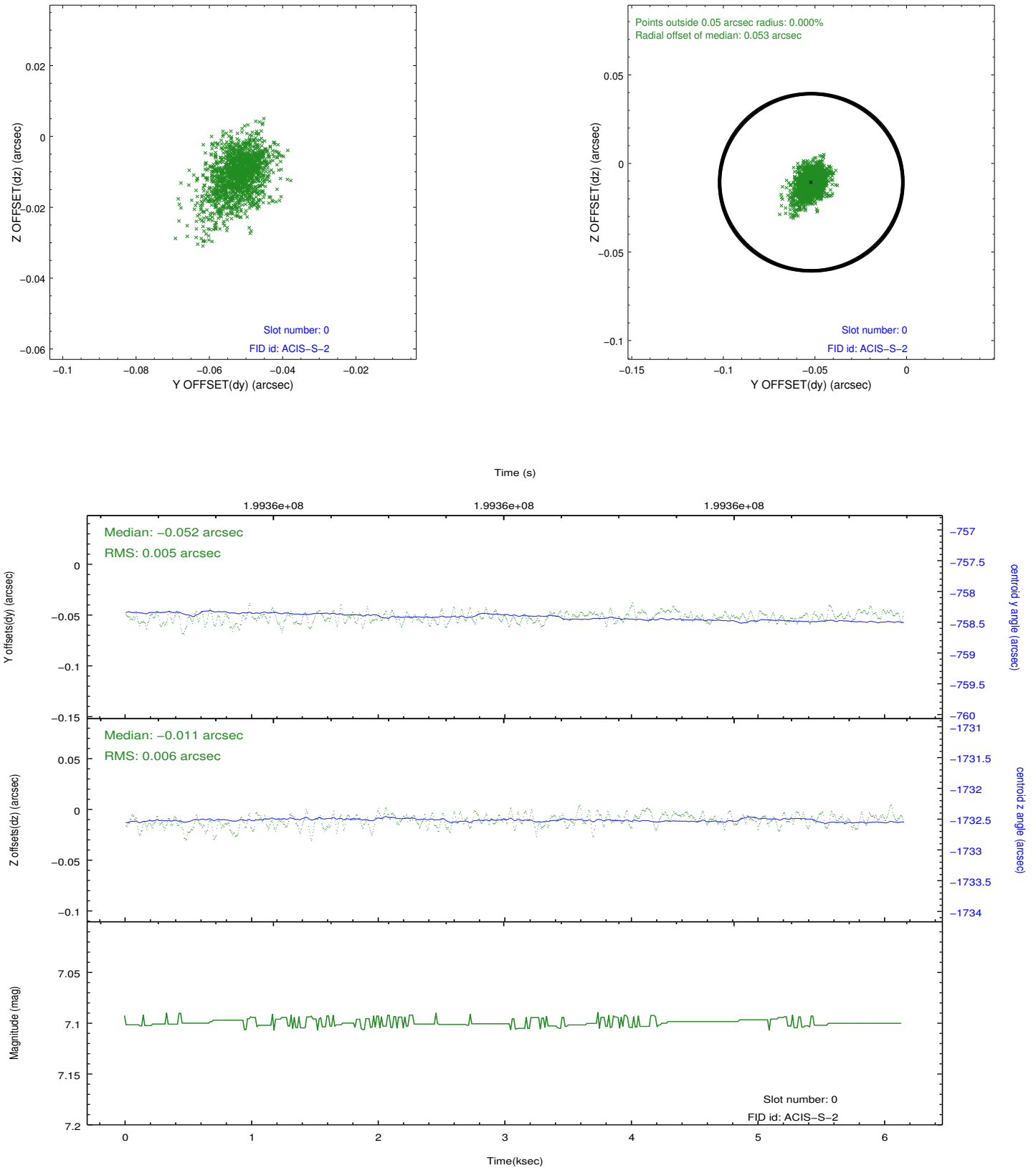


2.4.5 Slot 7

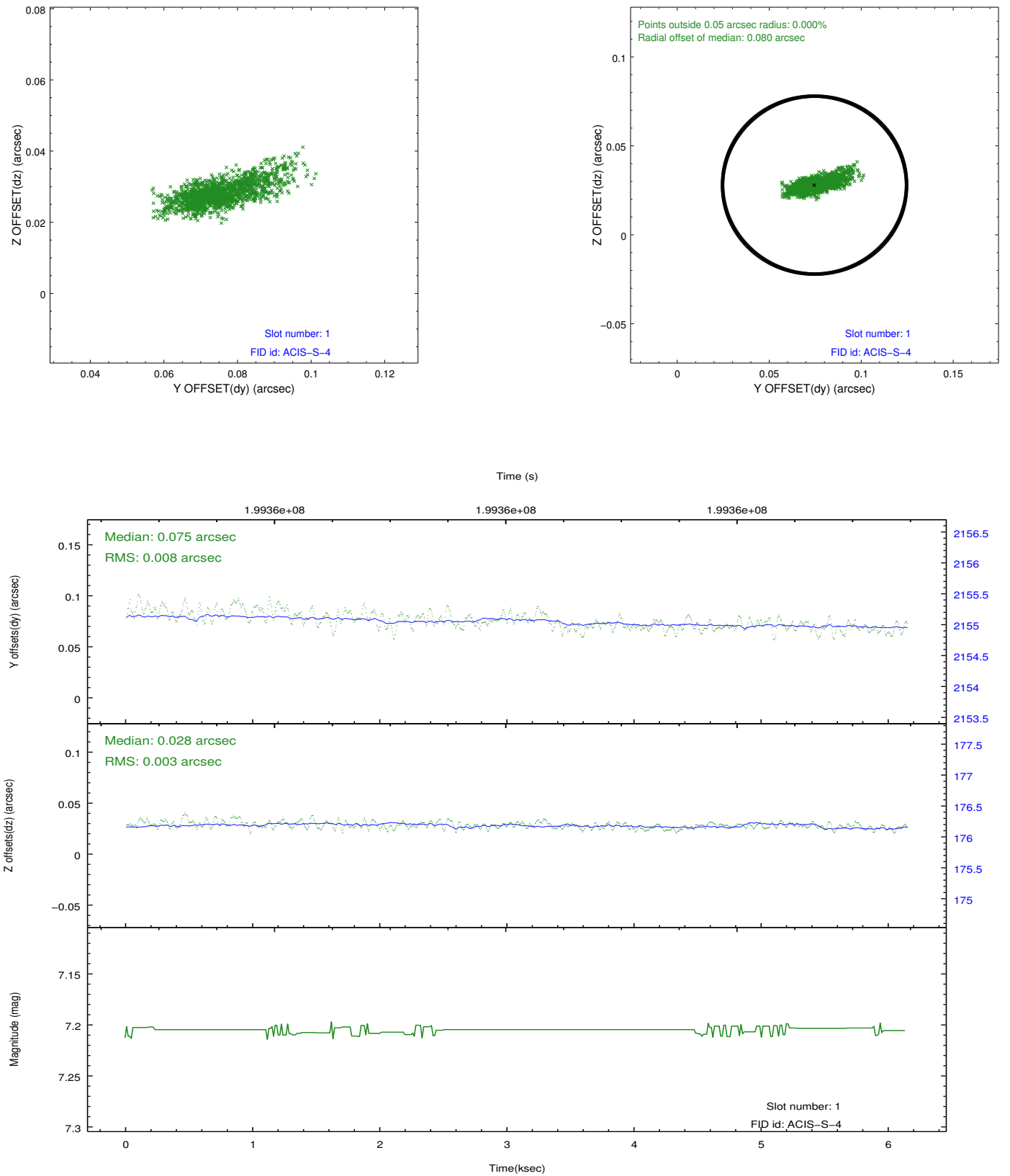


2.5 FID Slots

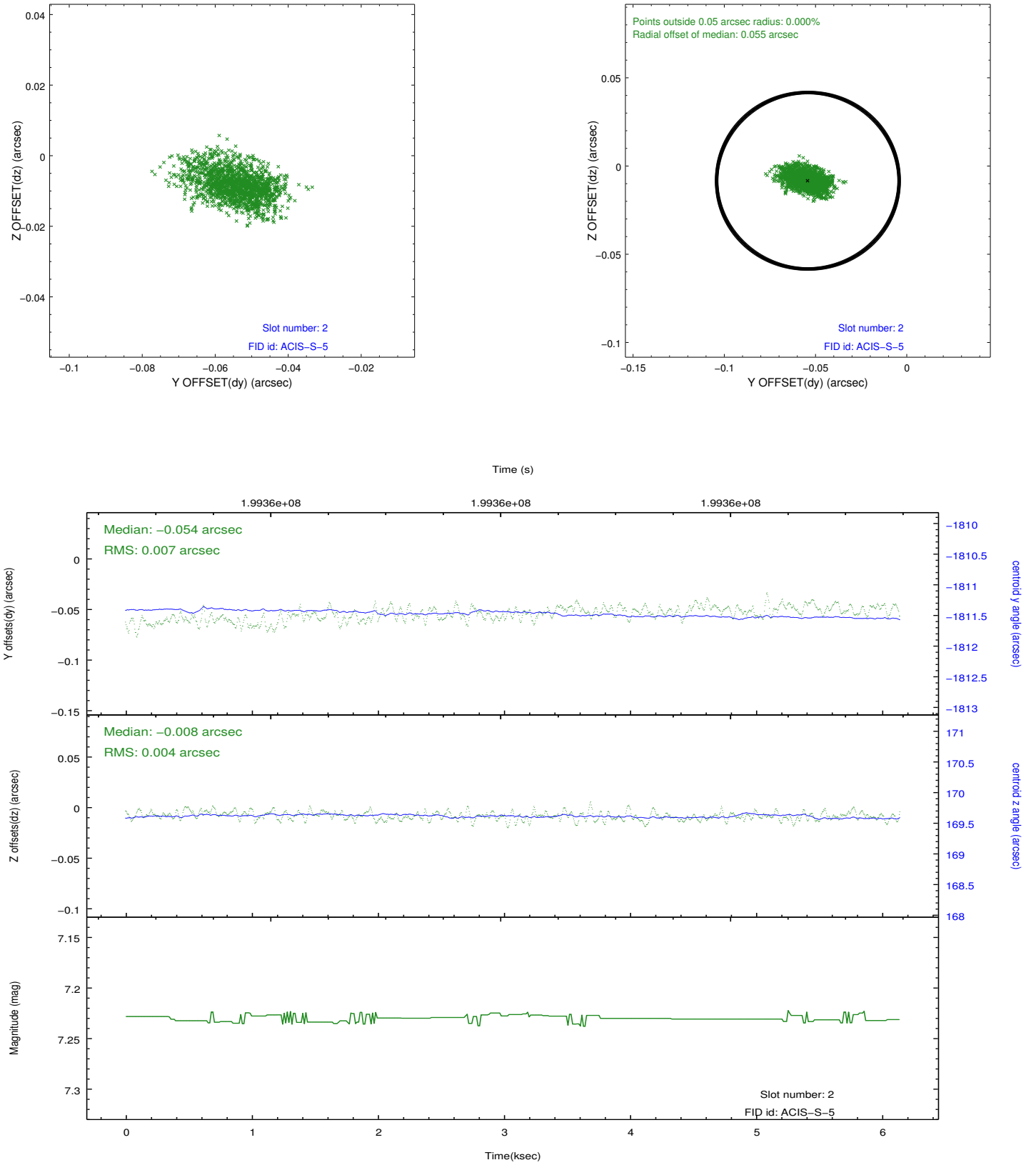
2.5.1 Slot 0



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)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.137

A.2 Comments

Joint Proposal: NOAO