

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1526 - L2 Version 3
Chandra X-Ray Center

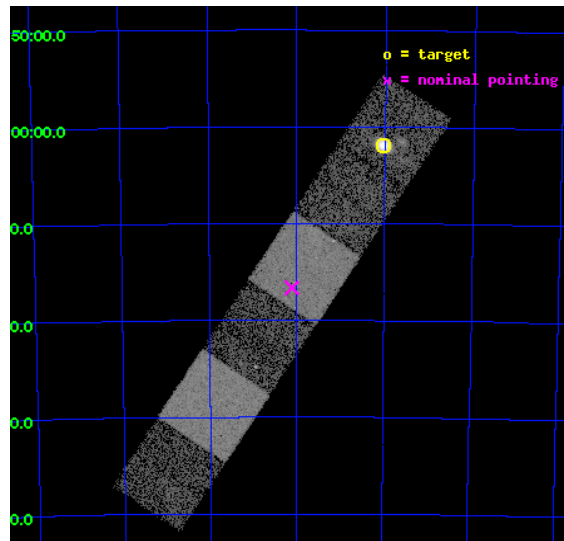
L2 Processing Date : Sep 4 2012

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1 Front

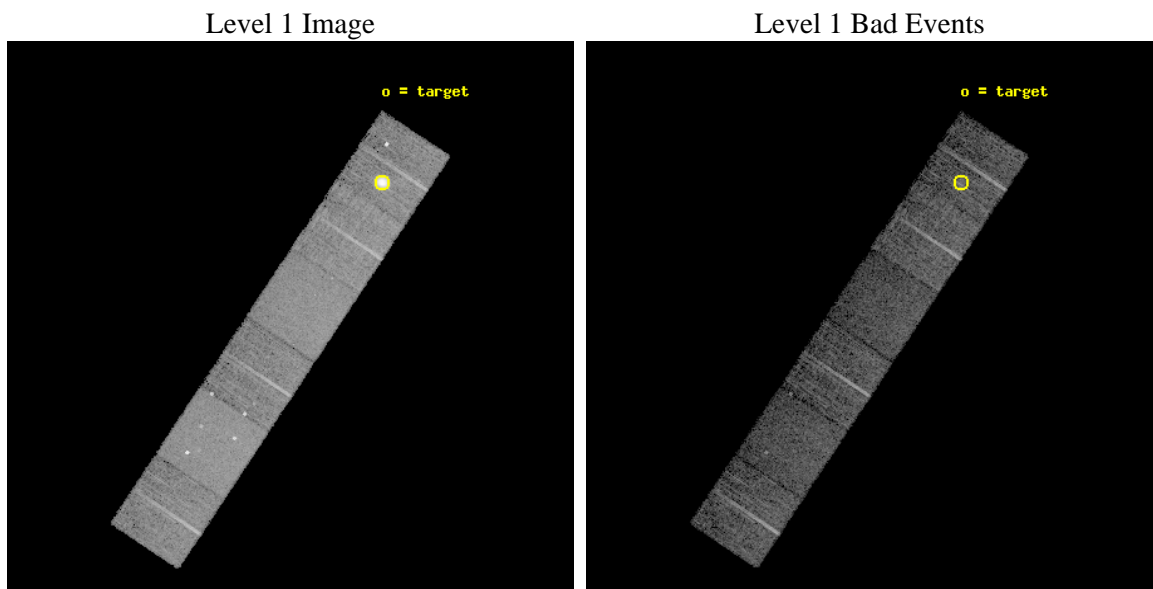
seq_num	590135	Sequence number
obs_id	1526	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip S5, T=120, Offsets=-17,0,]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.52815962002	Nominal RA [deg]
dec_nom	-72.277468936908	Nominal Dec [deg]
roll_nom	303.65123383676	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7756.8000072092	Sum of GTIs [s]
livetime	7658.5787349337	Livetime [s]
ontime4	7756.8000072092	Sum of GTIs [s]
ontime5	7756.8000072092	Sum of GTIs [s]
ontime6	7756.8000072092	Sum of GTIs [s]
ontime7	7756.8000072092	Sum of GTIs [s]
ontime8	7756.8000072092	Sum of GTIs [s]
ontime9	7756.8000072092	Sum of GTIs [s]
l2events	97249	Number of level 2 events



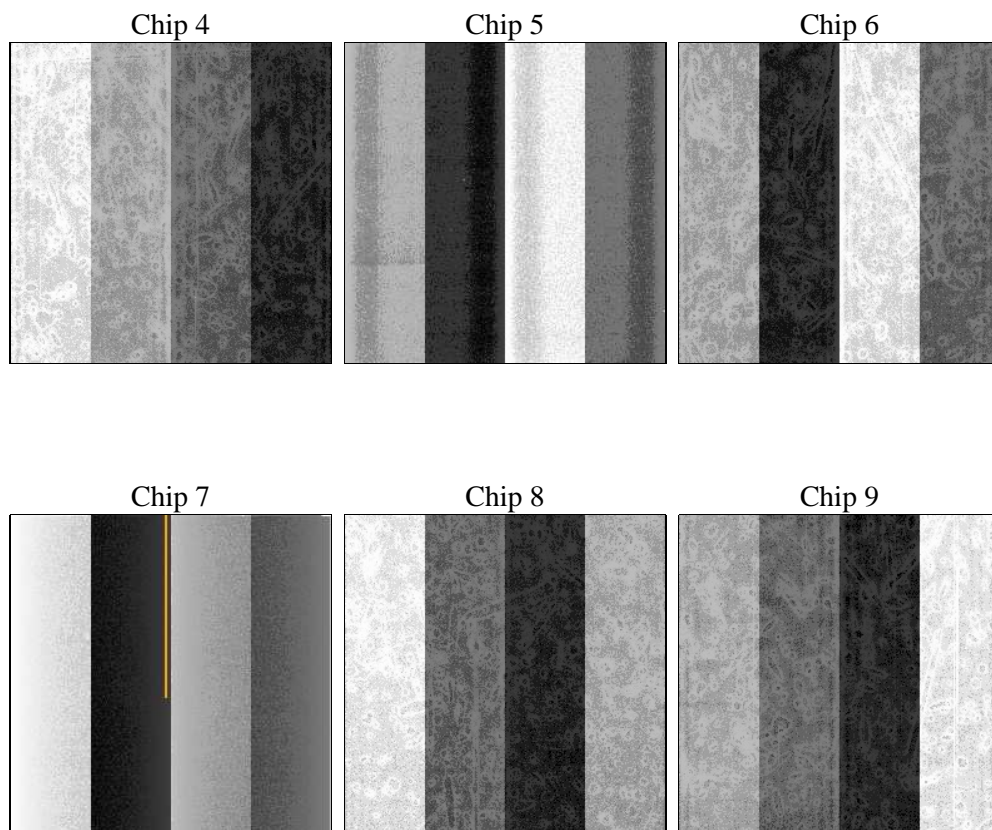
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7756.8000072092	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	7756.8000072092	Sum of GTIs [s]
date	2012-09-04T06:15:09	Date and time of file creation	ontime5	7756.8000072092	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7756.8000072092	Sum of GTIs [s]
			ontime7	7756.8000072092	Sum of GTIs [s]
			ontime8	7756.8000072092	Sum of GTIs [s]
			ontime9	7756.8000072092	Sum of GTIs [s]
			l1events	360725	Number of level 1 events

2.1.4 Events

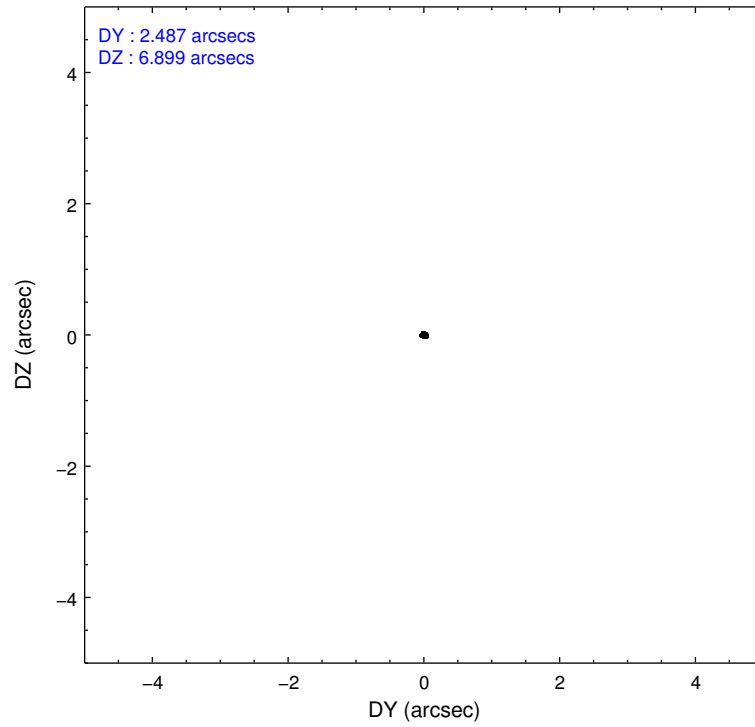
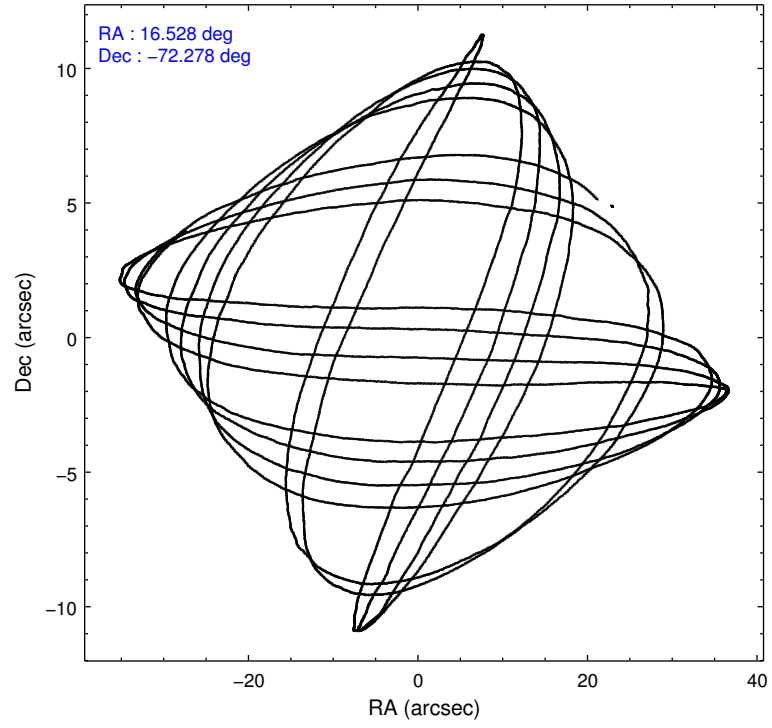
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	49247	68845	47057	59653	62201	73722	grade 0 events	2308	4898	3516	2882	4112	26107
rejected events	43680	34803	40395	33382	50167	41987		4%	7%	7%	4%	6%	35%
rejected %	88%	50%	85%	55%	80%	56%	grade 1 events	27	317	26	51	35	150
								0%	0%	0%	0%	0%	0%
							grade 2 events	1290	10575	1108	5246	2591	2762
								2%	15%	2%	8%	4%	3%
							grade 3 events	482	1468	521	2318	1150	897
								0%	2%	1%	3%	1%	1%
							grade 4 events	478	1464	522	2451	1031	839
								0%	2%	1%	4%	1%	1%
							grade 5 events	1602	4997	1804	5558	2441	2010
								3%	7%	3%	9%	3%	2%
							grade 6 events	1009	15652	996	13381	3151	1146
								2%	22%	2%	22%	5%	1%
							grade 7 events	42051	29474	38564	27766	47690	39811
								85%	42%	81%	46%	76%	54%

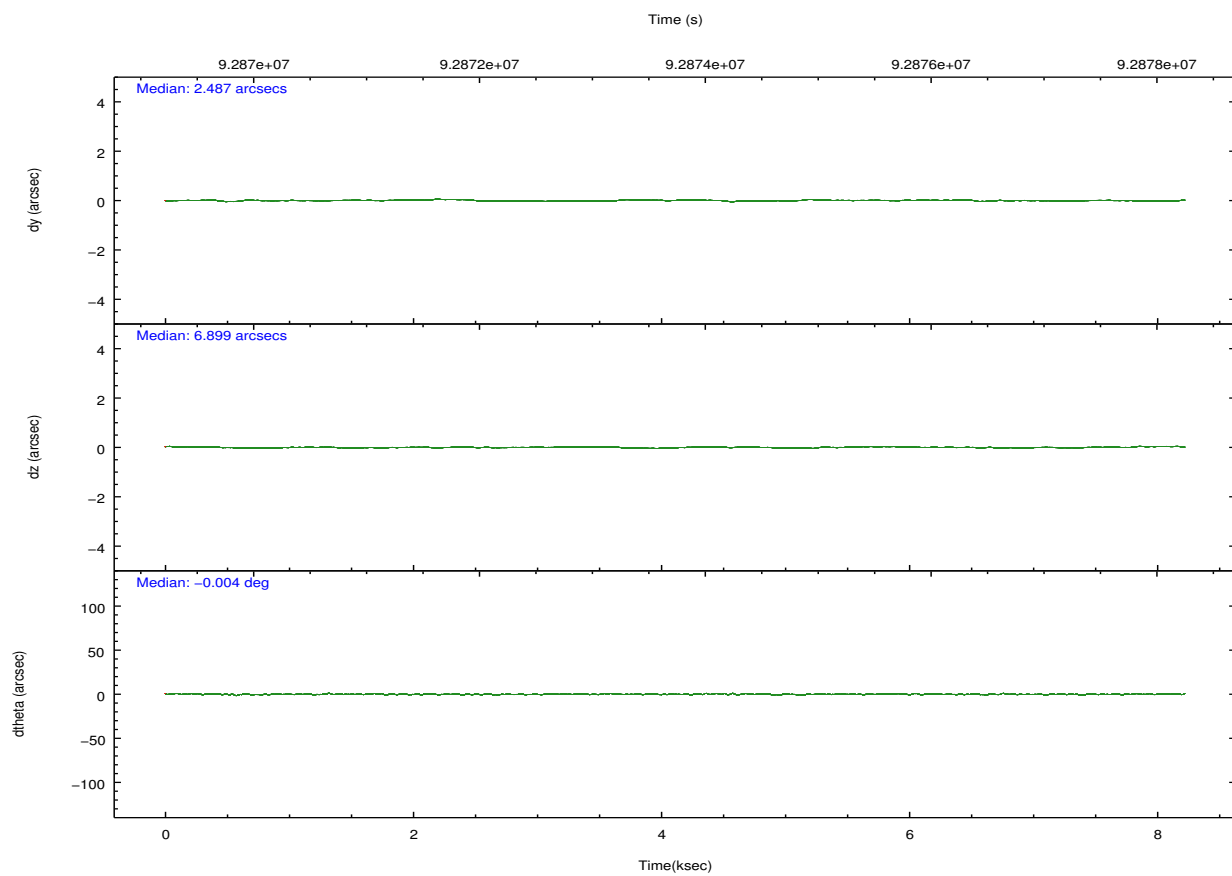
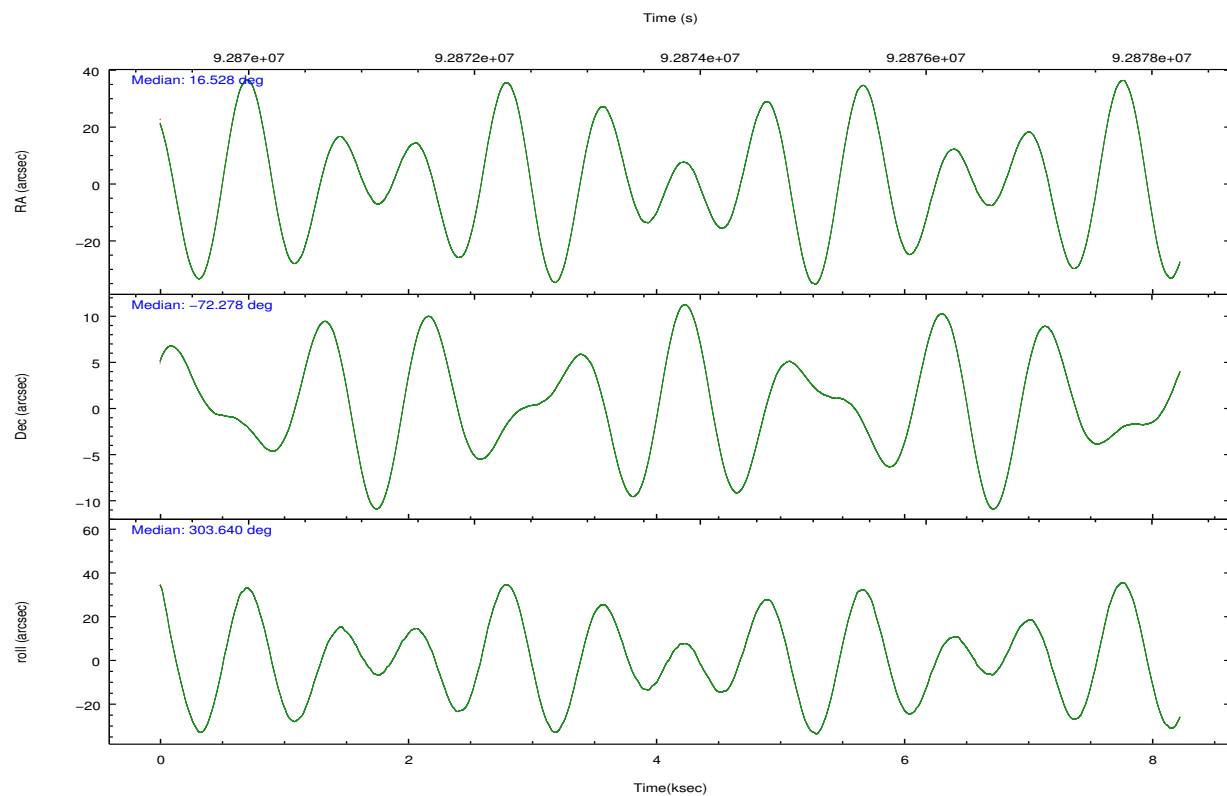
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	16.447579	16.52815962001975
[deg] Pointing Dec	-72.265525	-72.27746893690762
[deg] Pointing Roll	303.417857	303.6512338367592
[s] Window start time (MET)	92016064.184000	92016064.184000
[s] Window stop time (MET)	94608064.184000	94608064.184000
[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)	92869818.184000	92869441.96894801
Observation start date	2000-12-10T21:09:14	2000-12-10T21:04:01
[s] Observation end time (MET)	92877818.184000	92878512.70679399
Observation end date	2000-12-10T23:22:34	2000-12-10T23:35:12
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



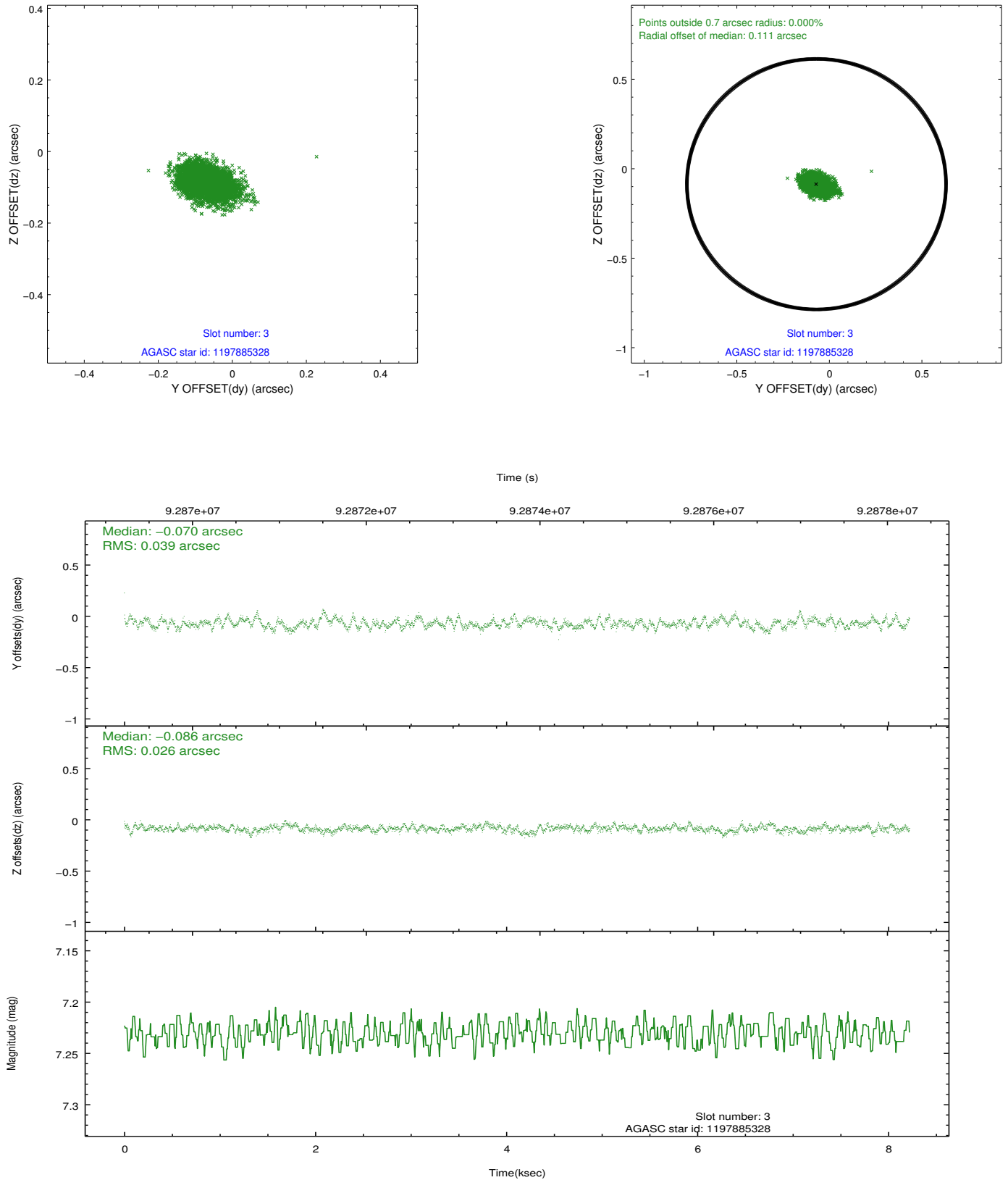


Slot Statistics

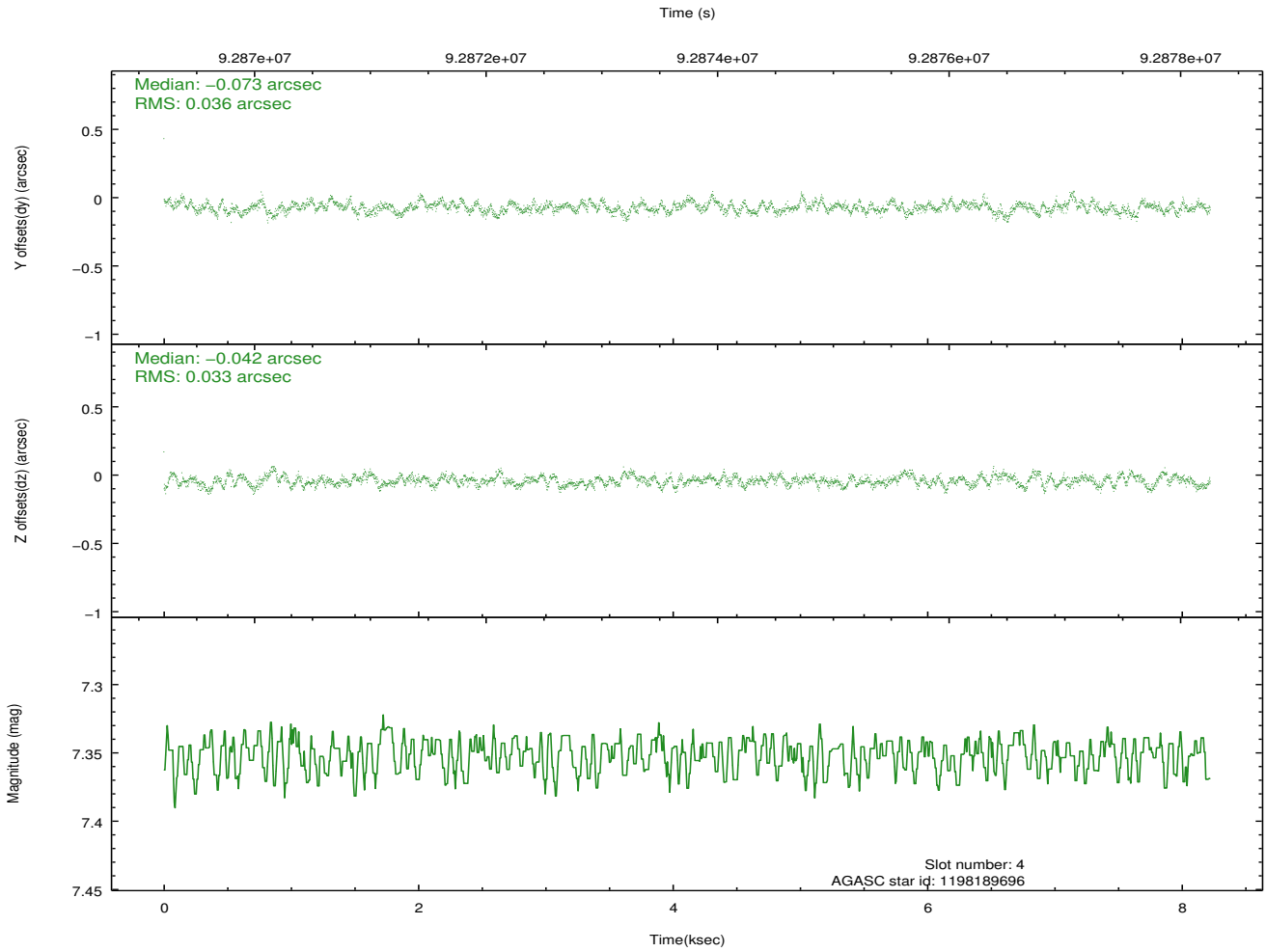
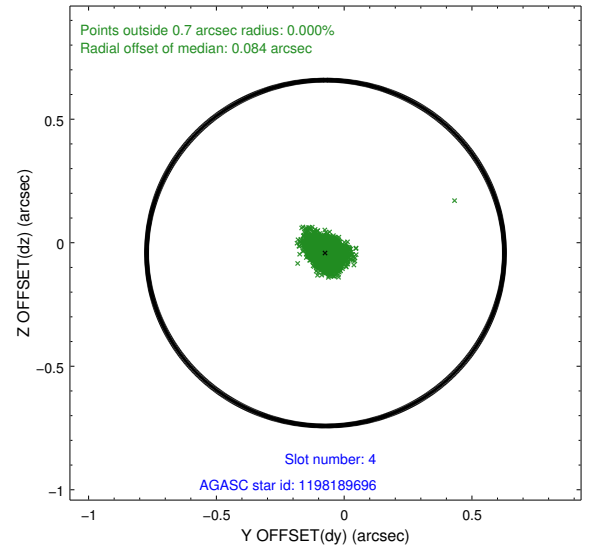
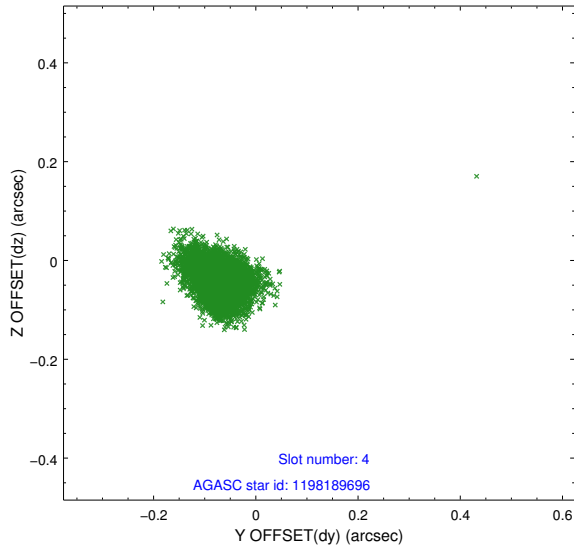
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2004	-0.022	-0.004	0.006	0.011	0.000000	0.000000	-755.14	-1728.06
1	FID	ACIS-S-4	7.20	2005	-0.024	0.012	0.006	0.010	0.000000	0.000000	2157.83	179.72
2	FID	ACIS-S-5	7.23	2005	0.014	0.001	0.007	0.012	0.000000	0.000000	-1807.07	174.18
3	GUIDE	1197885328	7.23	4011	-0.070	-0.086	0.049	0.082	16.283090	-71.733943	-1699.70	899.01
4	GUIDE	1198189696	7.35	4009	-0.073	-0.042	0.052	0.083	15.223750	-72.697522	587.36	-1956.81
5	GUIDE	1197884536	8.50	4009	-0.009	0.025	0.060	0.099	17.160729	-71.835289	-848.35	1518.23
6	GUIDE	1197884712	8.31	4010	0.094	0.032	0.052	0.087	16.087398	-72.252690	-255.45	-304.34
7	GUIDE	1197750640	9.76	4003	0.055	0.076	0.089	0.147	15.758835	-72.088048	-949.73	-286.80

2.4 Star Slots

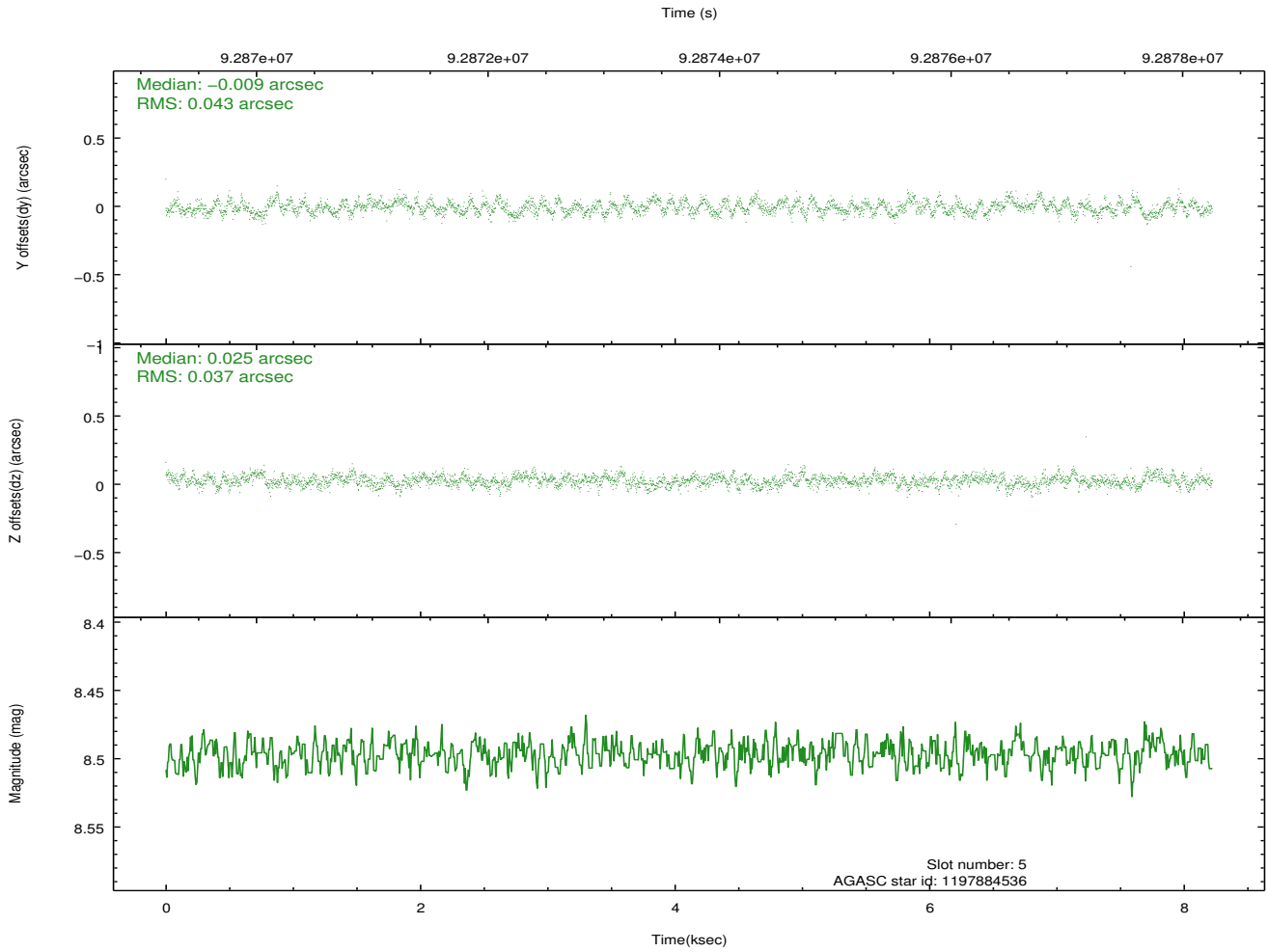
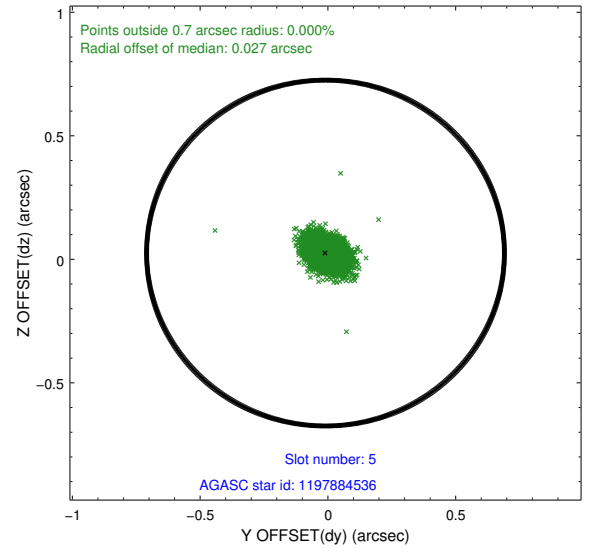
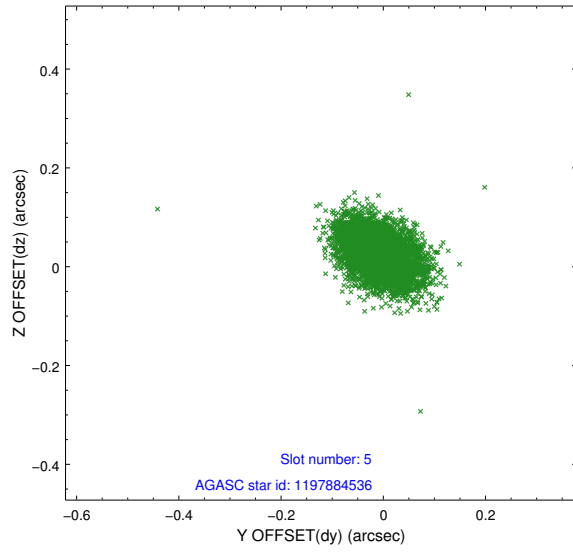
2.4.1 Slot 3



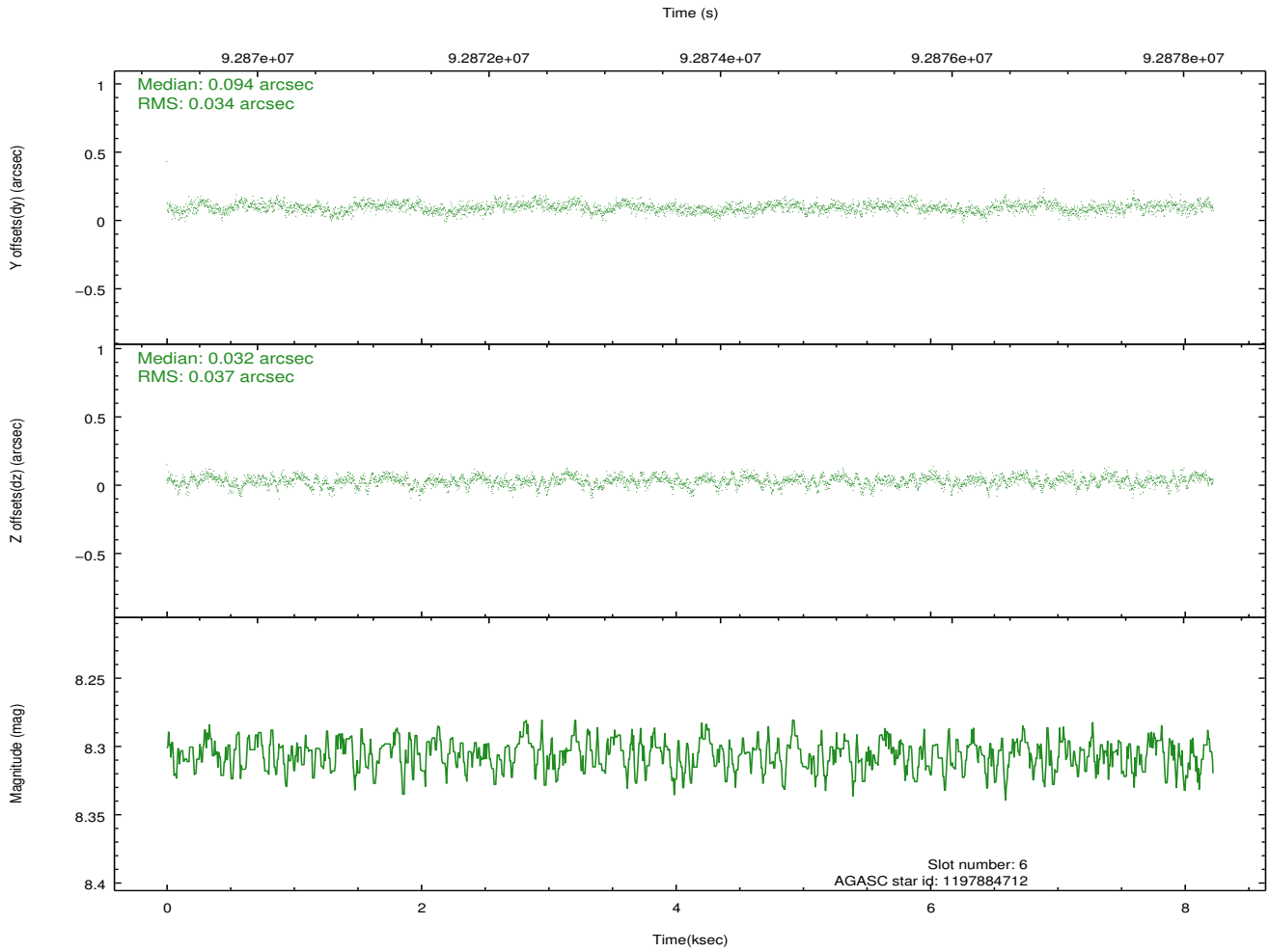
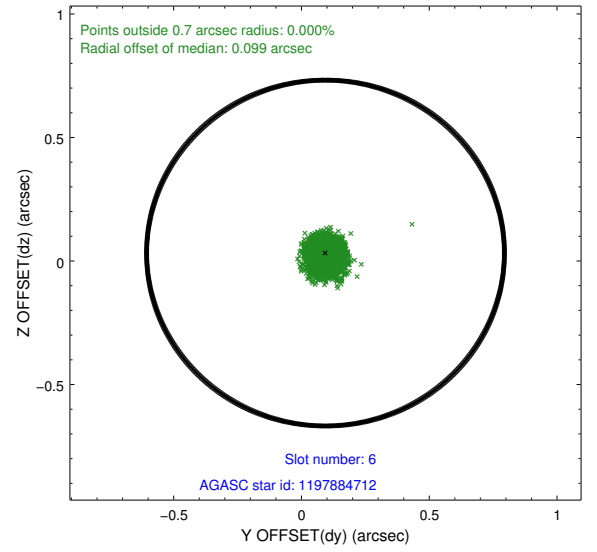
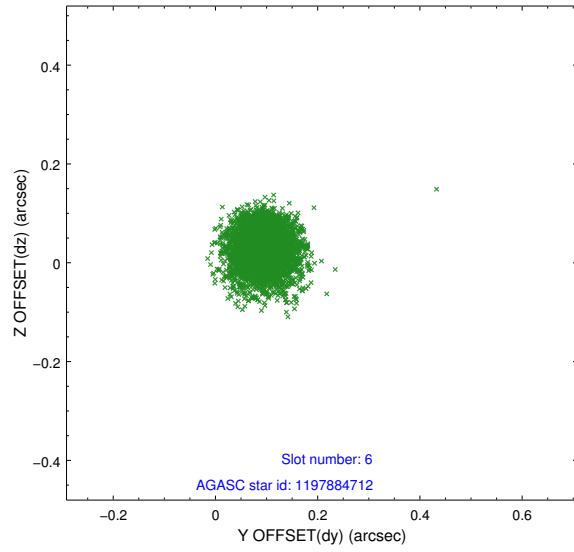
2.4.2 Slot 4



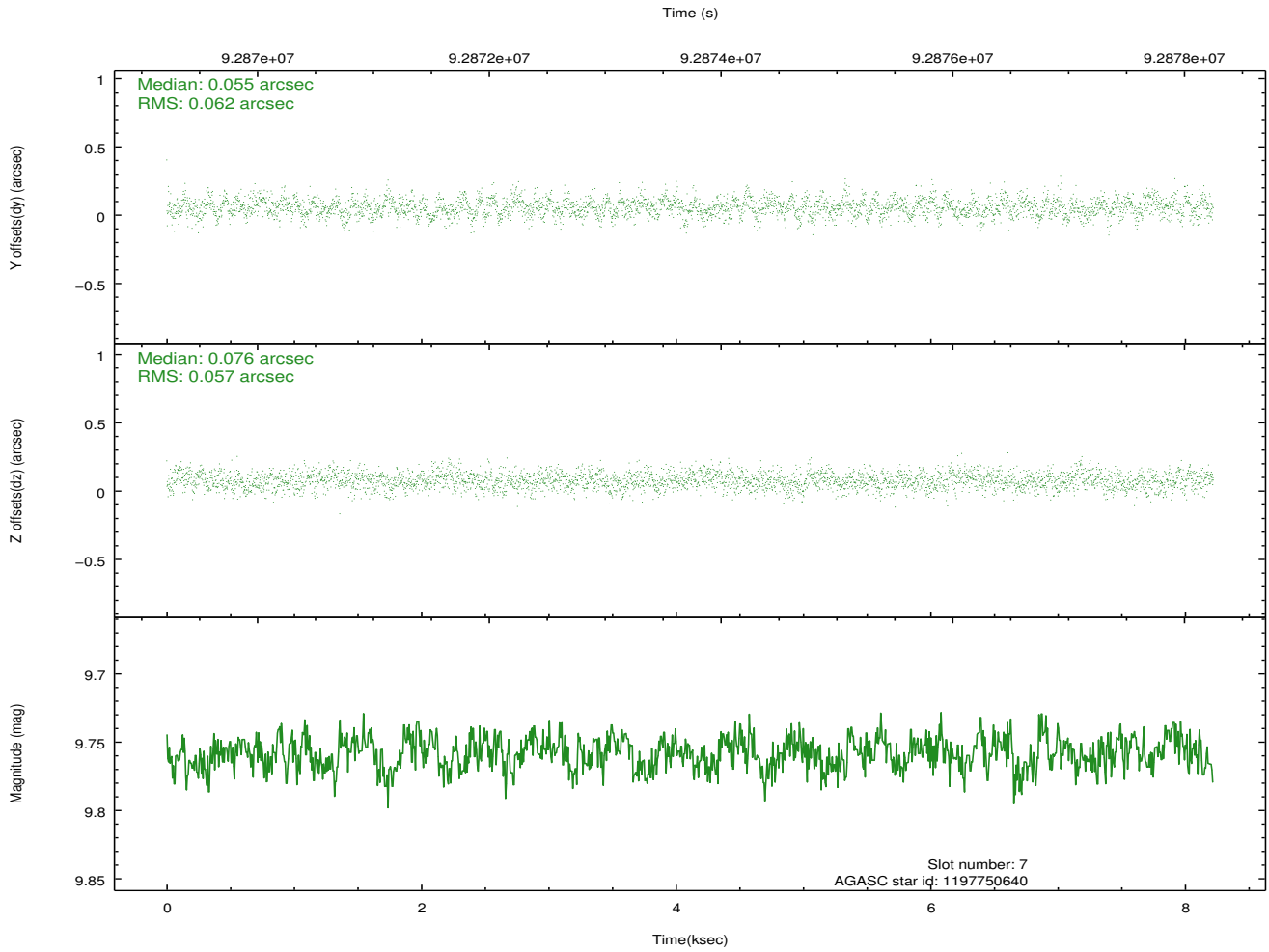
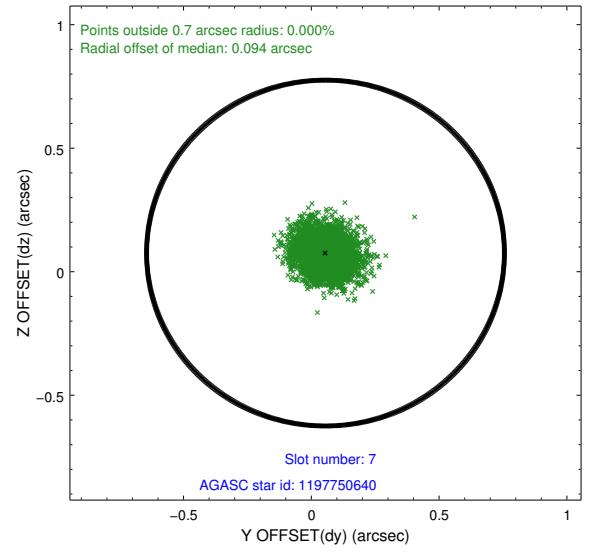
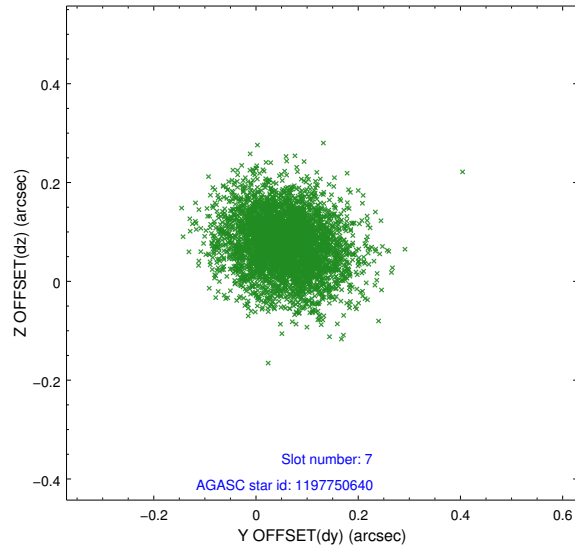
2.4.3 Slot 5



2.4.4 Slot 6

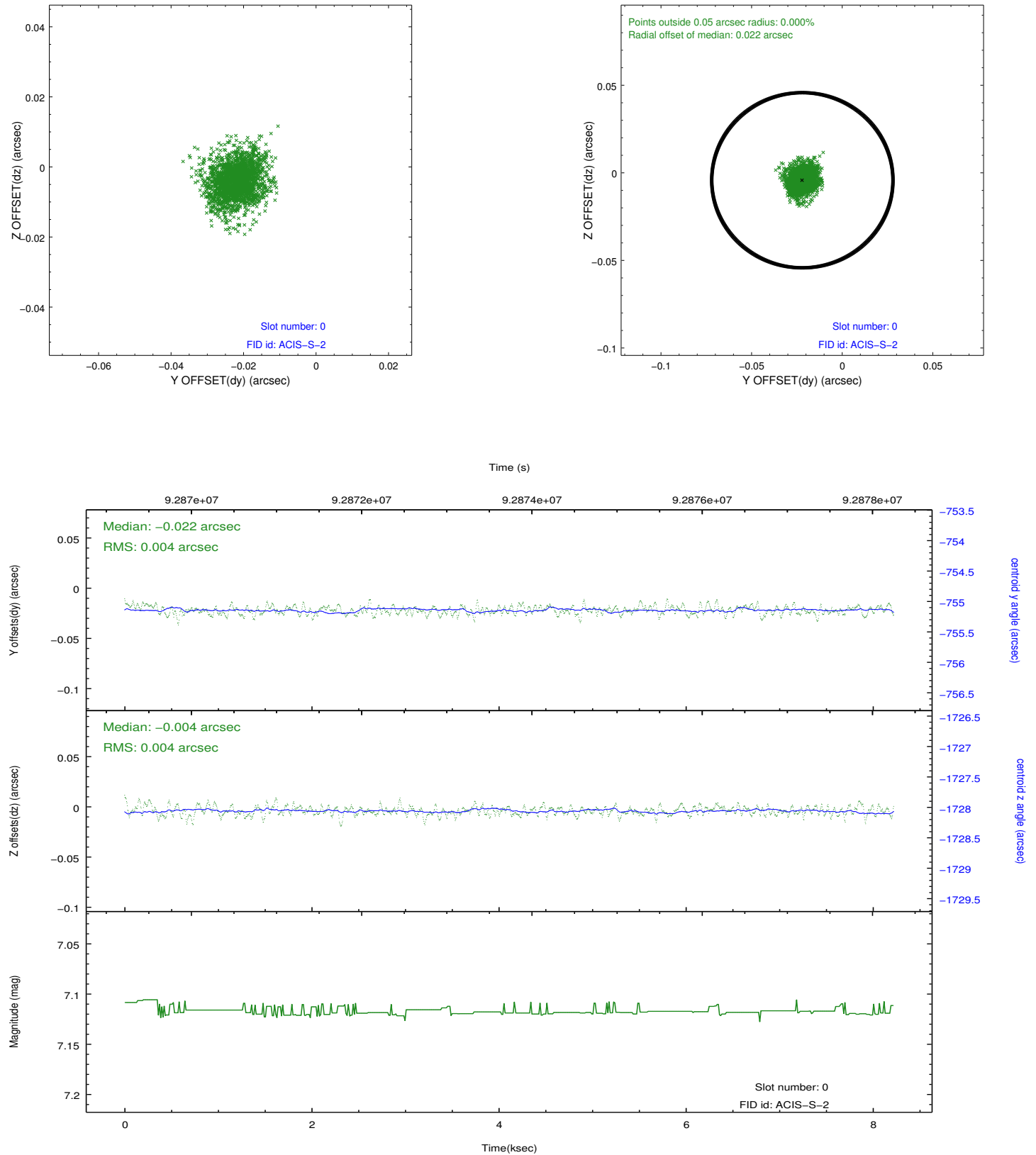


2.4.5 Slot 7

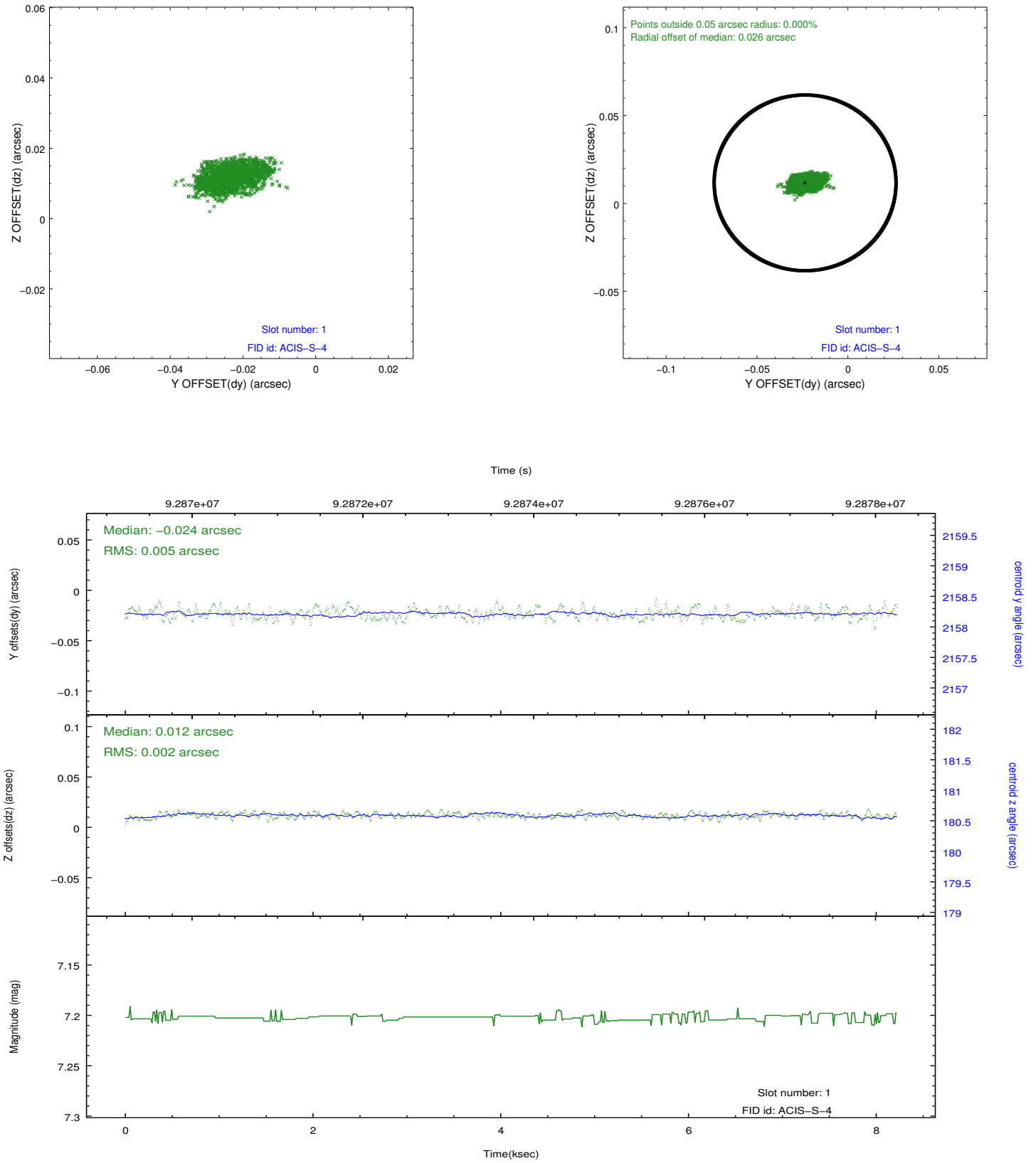


2.5 FID Slots

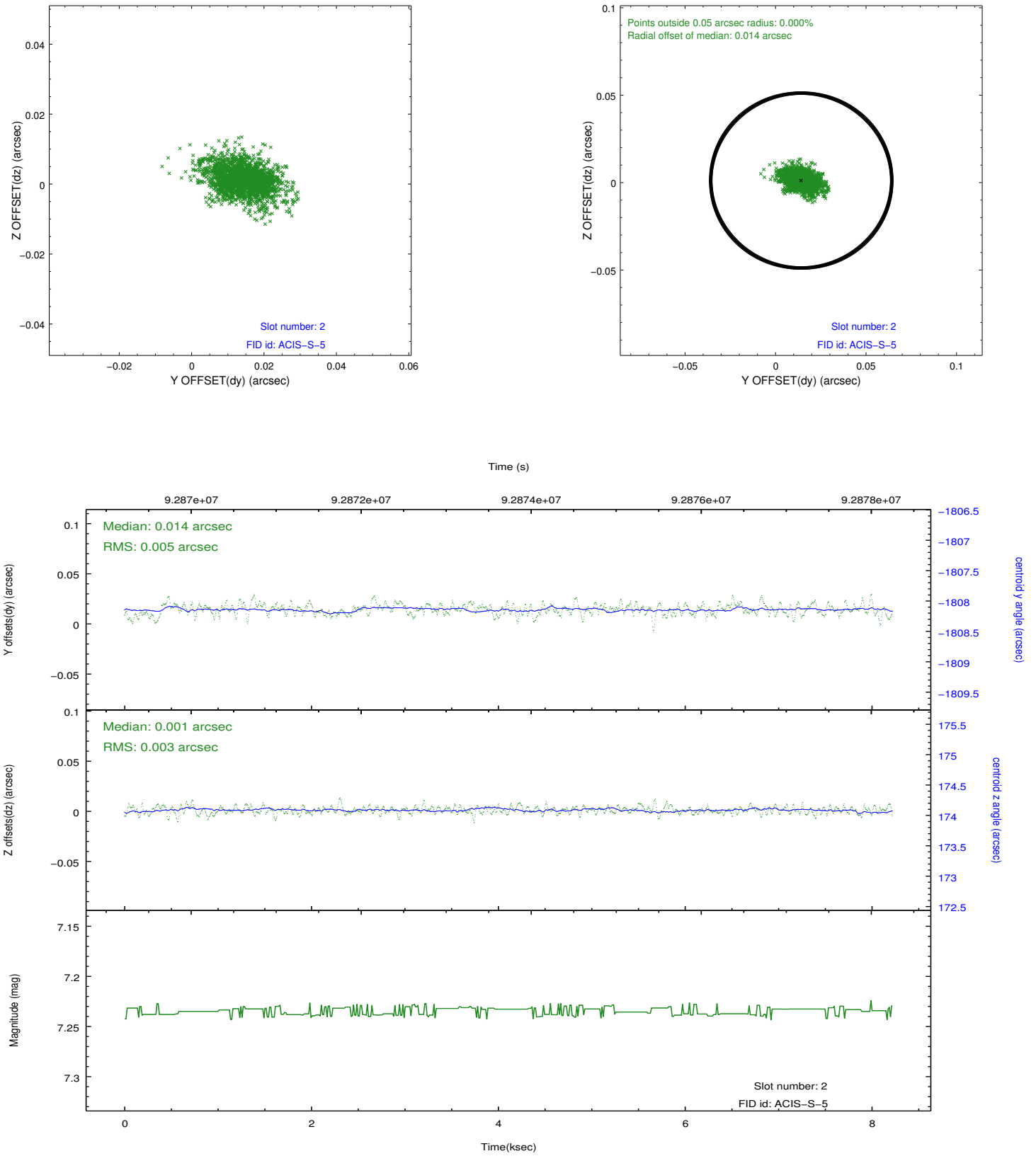
2.5.1 Slot 0



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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.76

A.2 Comments

Window preference met.