

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8162 - L2 Version 3
Chandra X-Ray Center

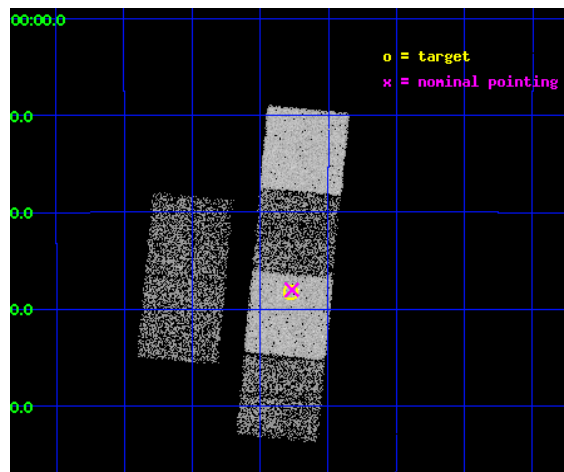
L2 Processing Date : Apr 24 2012

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1 Front

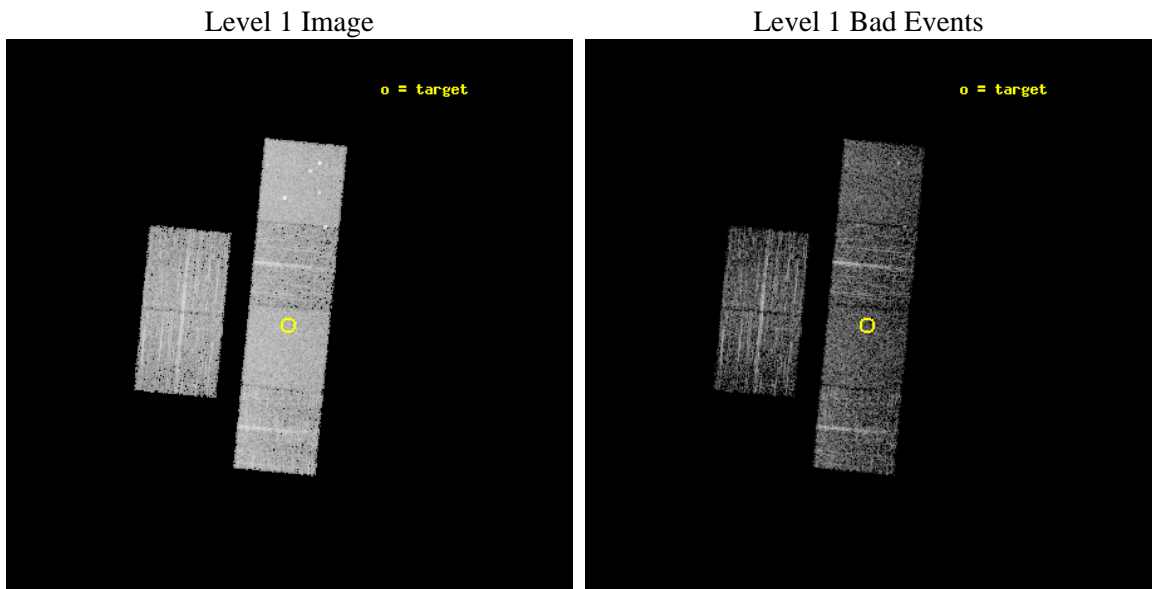
seq_num	900703	Sequence number
obs_id	8162	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J181116-1828	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.82	Observer's specified target RA [deg]
dec_targ	-18.471	Observer's specified target Dec [deg]
ra_nom	272.8168286268	Nominal RA [deg]
dec_nom	-18.467131446334	Nominal Dec [deg]
roll_nom	95.552620841111	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2812.2270567417	Sum of GTIs [s]
livetime	2776.6169444294	Livetime [s]
ontime2	2812.268096745	Sum of GTIs [s]
ontime3	2812.1039367318	Sum of GTIs [s]
ontime5	2812.1860167384	Sum of GTIs [s]
ontime6	2812.1449767351	Sum of GTIs [s]
ontime7	2812.2270567417	Sum of GTIs [s]
ontime8	2812.0628967285	Sum of GTIs [s]
l2events	45744	Number of level 2 events



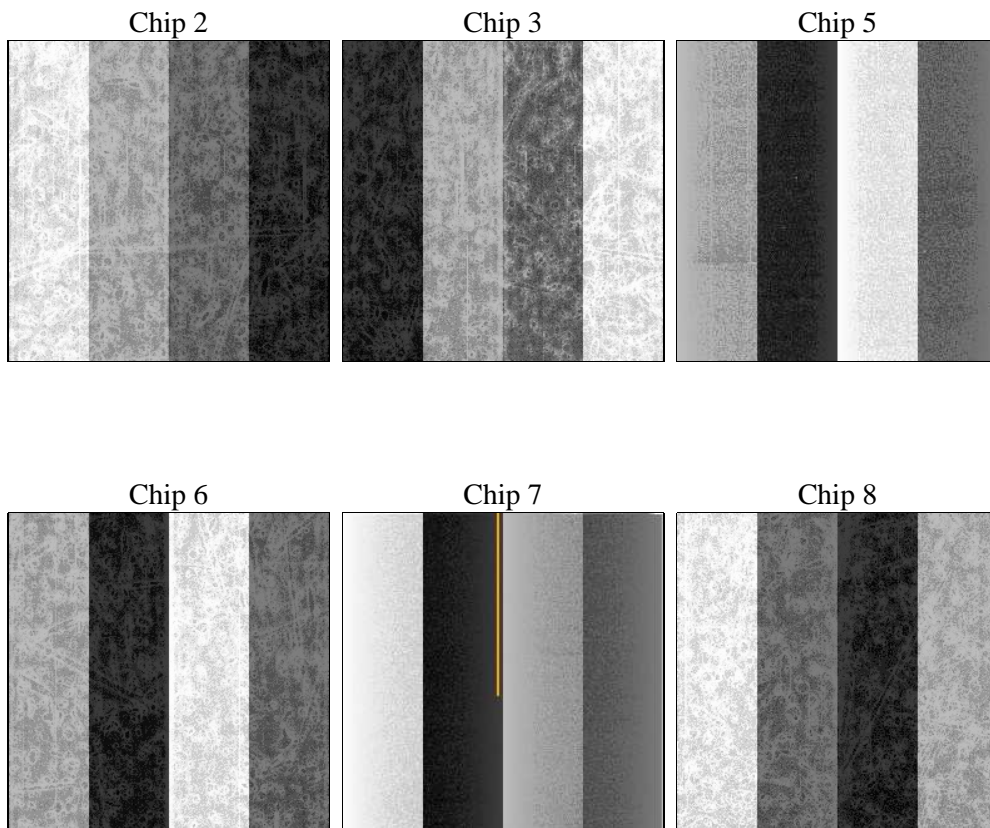
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2800.568000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2812.2270567417	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2812.268096745	Sum of GTIs [s]
date	2012-04-24T09:02:56	Date and time of file creation	ontime3	2812.1039367318	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2812.1860167384	Sum of GTIs [s]
			ontime6	2812.1449767351	Sum of GTIs [s]
			ontime7	2812.2270567417	Sum of GTIs [s]
			ontime8	2812.0628967285	Sum of GTIs [s]
			l1events	198699	Number of level 1 events

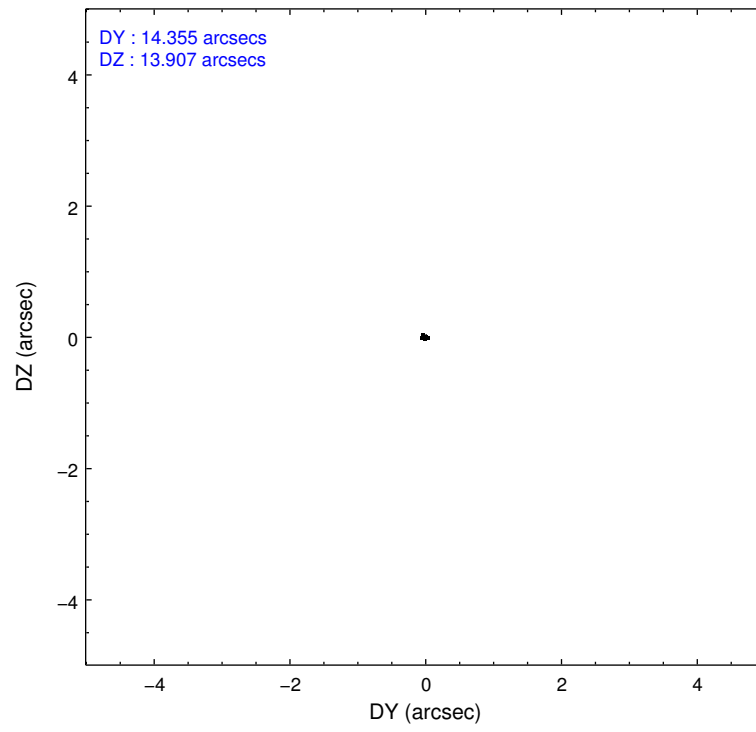
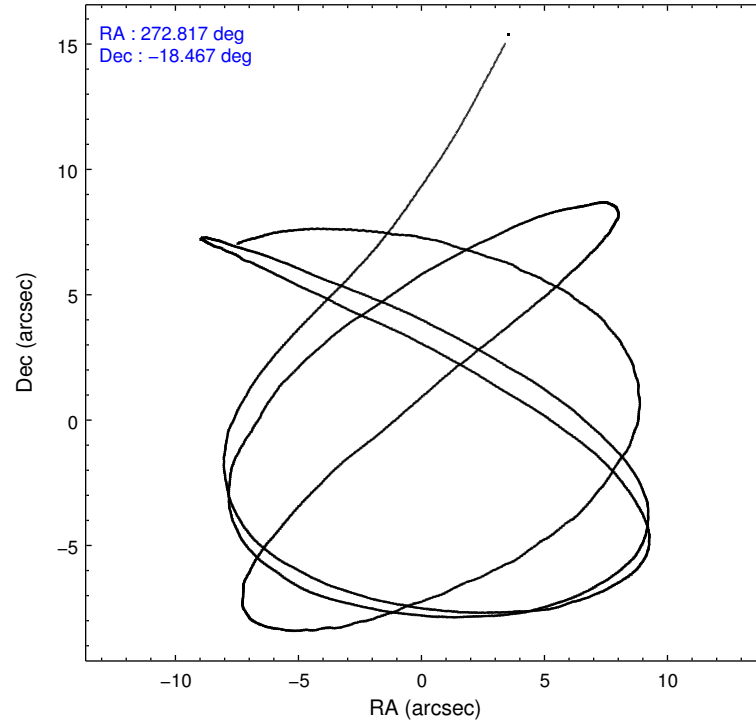
2.1.4 Events

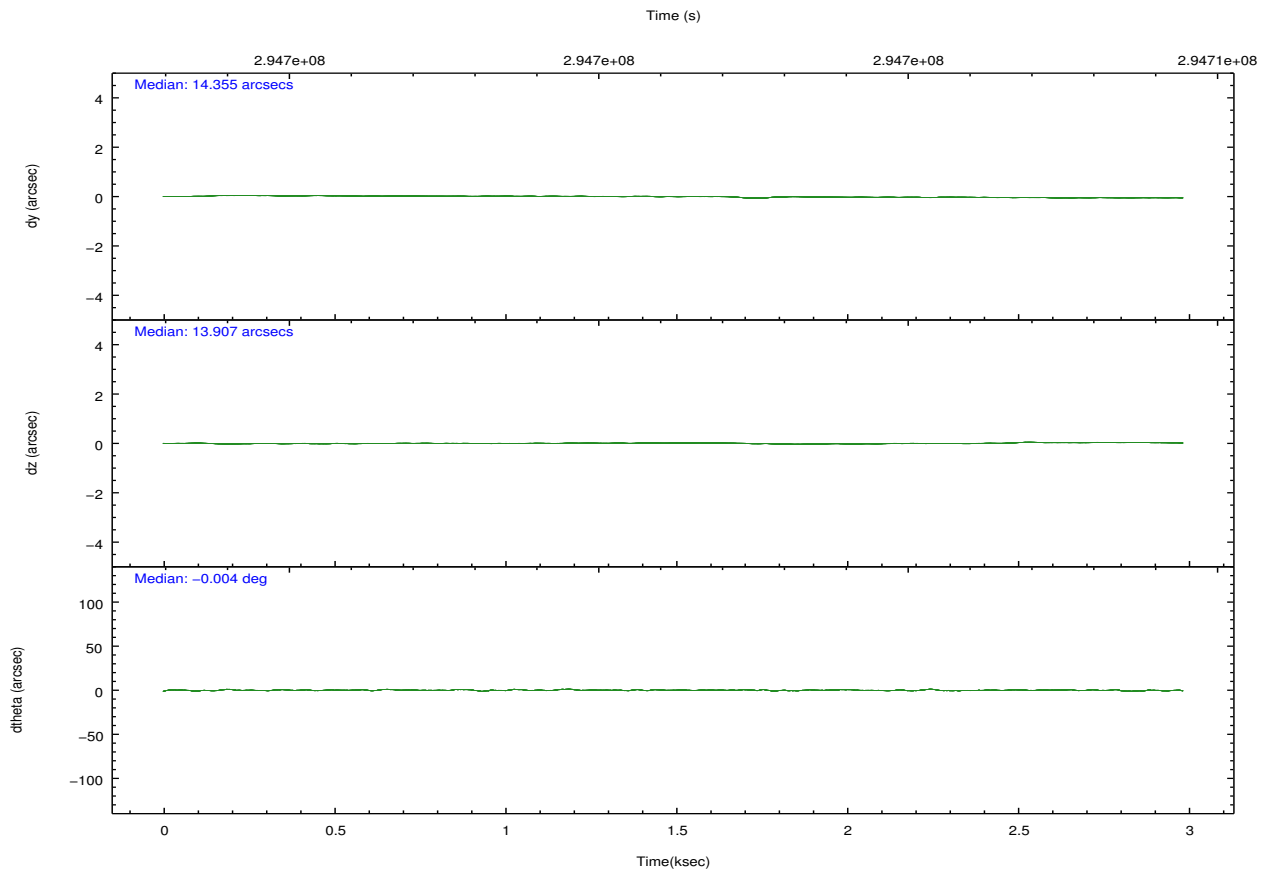
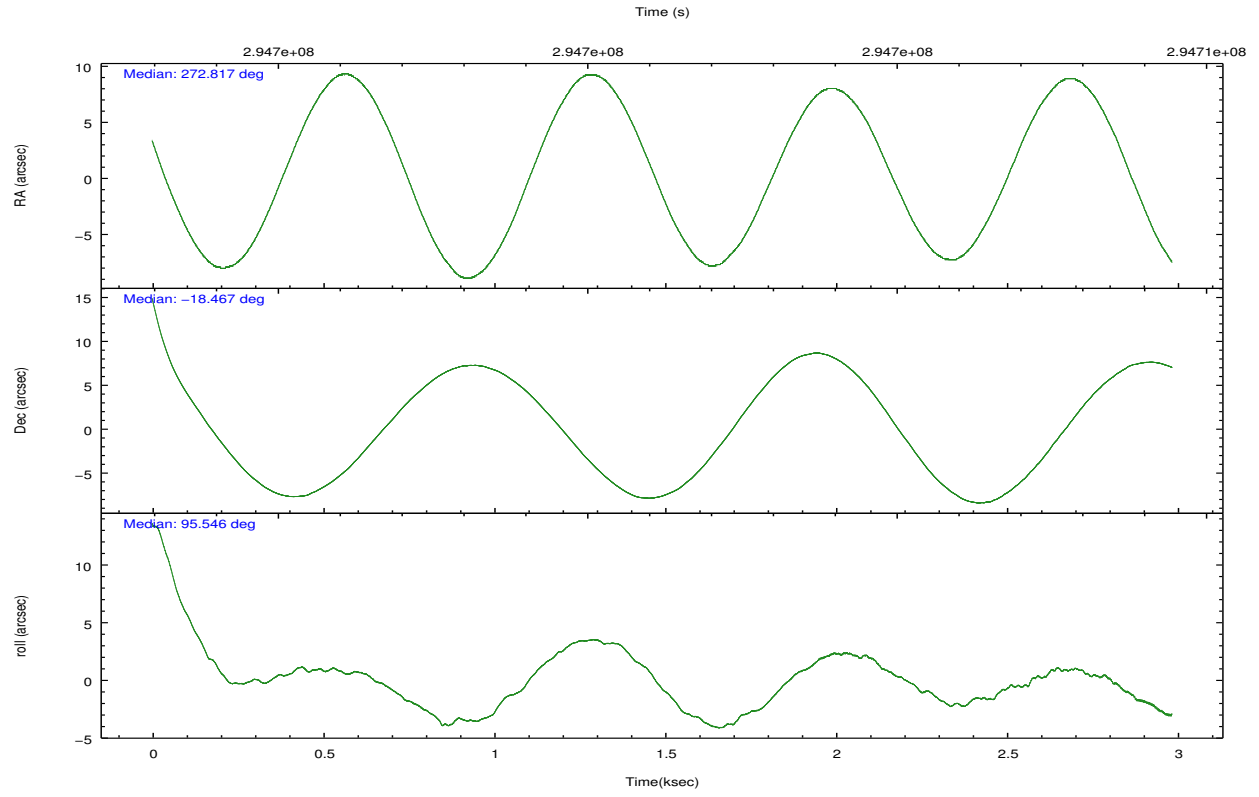
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29006	27608	42325	27588	37966	34206	grade 0 events	1493	1575	2185	1462	1482	2655
rejected events	25665	24116	22574	24180	22036	26324		5%	5%	5%	5%	3%	7%
rejected %	88%	87%	53%	87%	58%	76%	grade 1 events	24	24	111	15	38	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	732	689	6091	664	3268	1729
								2%	2%	14%	2%	8%	5%
							grade 3 events	290	343	705	303	1403	829
								0%	1%	1%	1%	3%	2%
							grade 4 events	280	337	689	316	1363	763
								0%	1%	1%	1%	3%	2%
							grade 5 events	1030	1250	2988	1318	3574	1661
								3%	4%	7%	4%	9%	4%
							grade 6 events	549	553	10104	668	8427	1908
								1%	2%	23%	2%	22%	5%
							grade 7 events	24608	22837	19452	22842	18411	24633
								84%	82%	45%	82%	48%	72%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	272.833996	272.8168286268014	CCD I2 on	O2	Y
[deg] Pointing Dec	-18.489167	-18.46713144633444	CCD I3 on	O3	Y
[deg] Pointing Roll	95.401401	95.55262084111139	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	294702932.184000	294701940.90153	CCD S5 on	N	N
Observation start date	2007-05-04T21:54:27	2007-05-04T21:39:00	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	294705732.184000	294705953.77672	On-chip summing requested	N	N
Observation end date	2007-05-04T22:41:07	2007-05-04T22:45:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



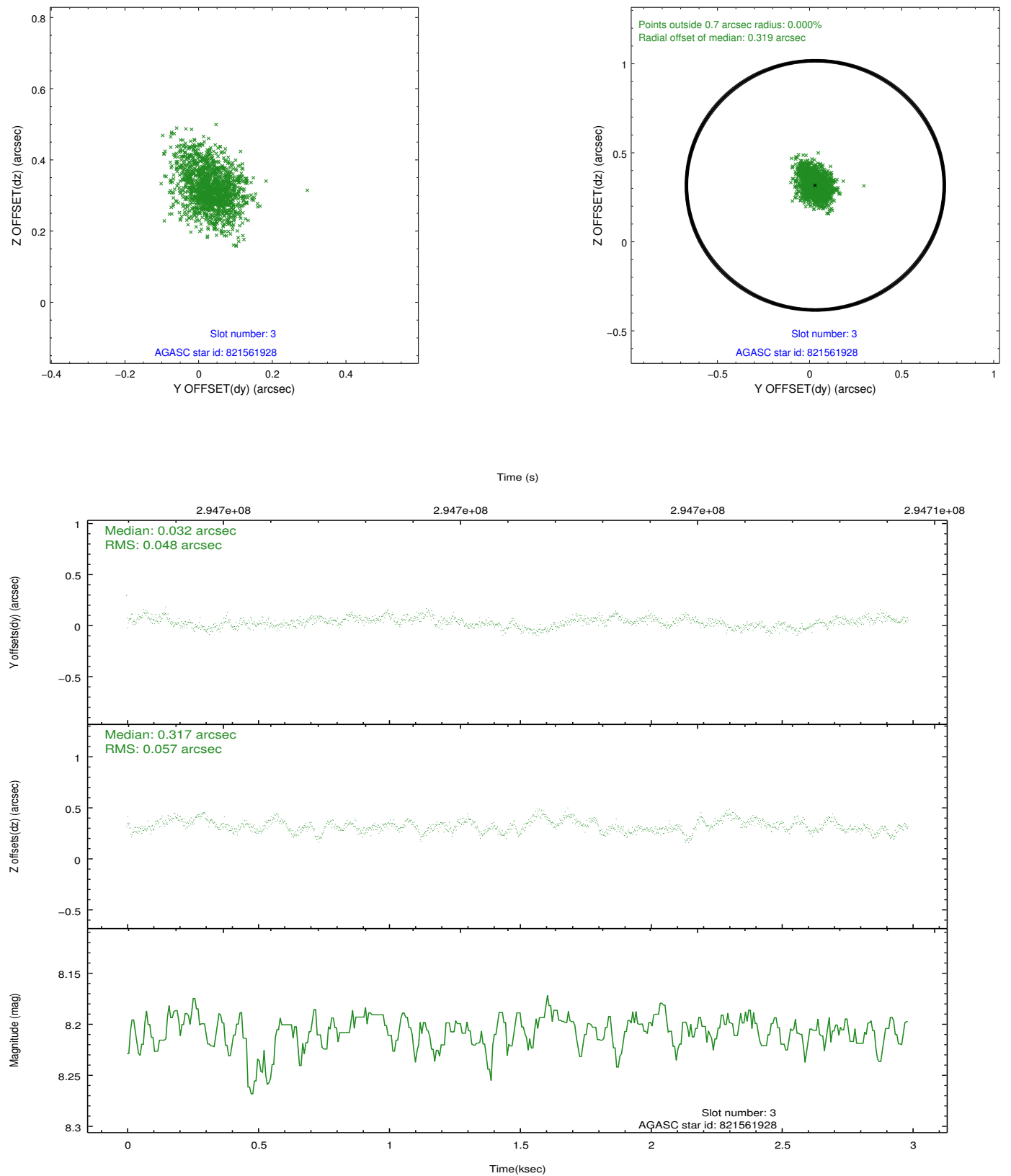


Slot Statistics

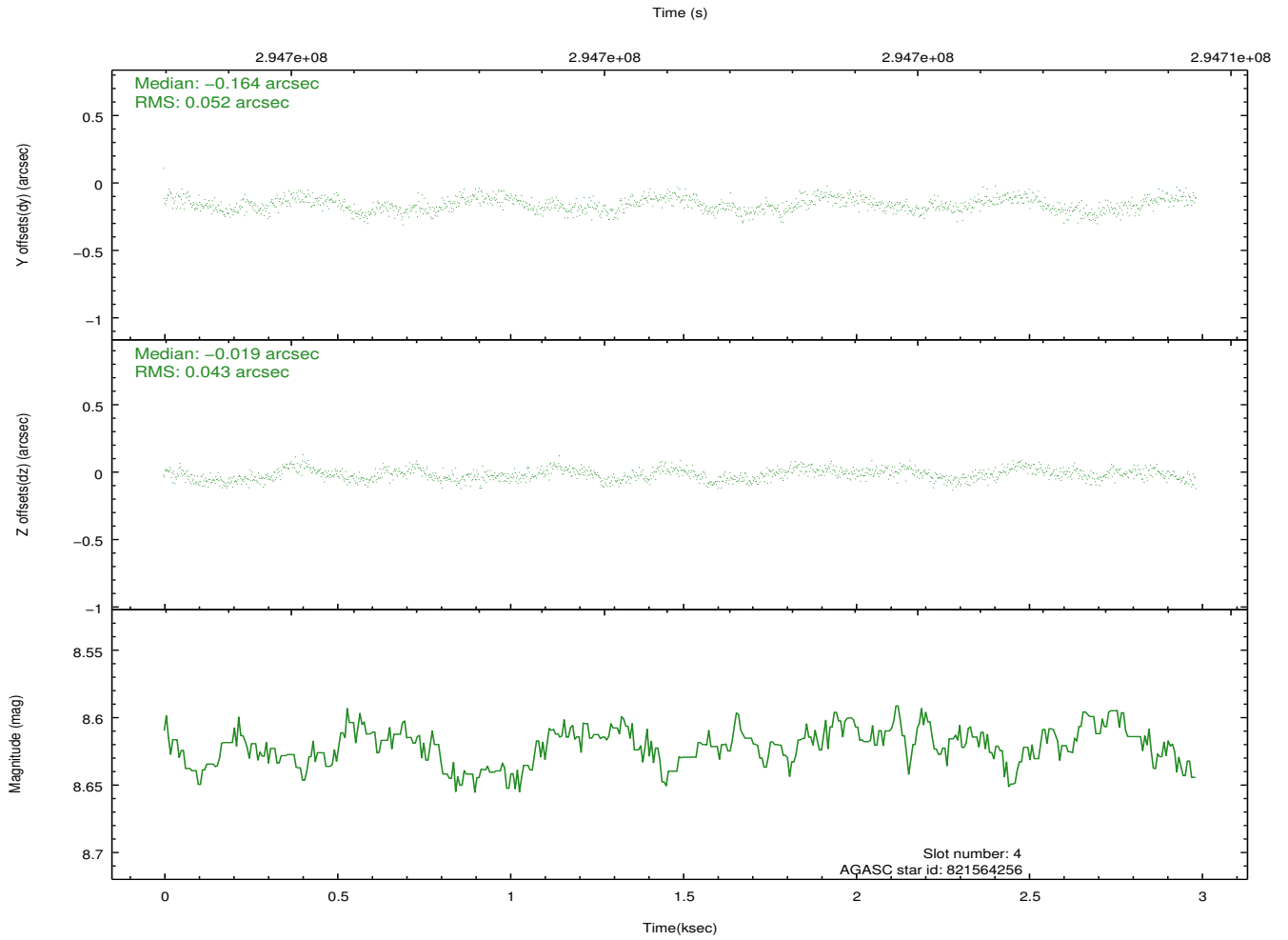
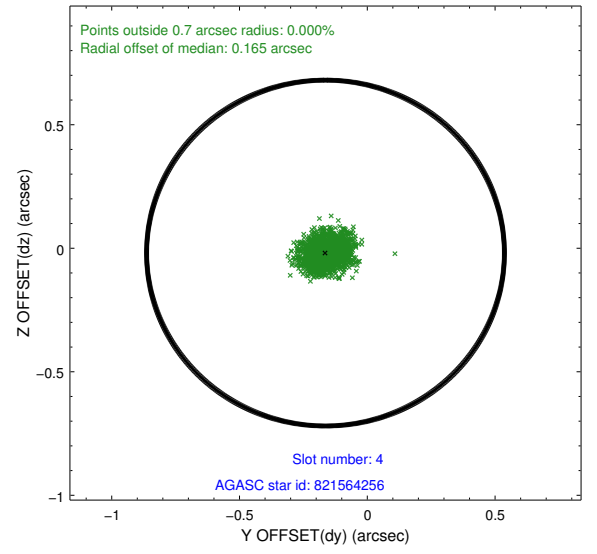
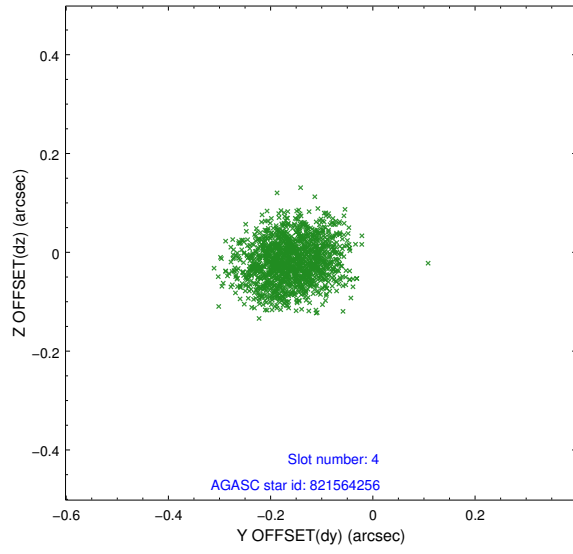
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	728	0.084	0.016	0.007	0.011	0.000000	0.000000	928.78	-1730.84
1	FID	ACIS-S-2	7.10	728	-0.122	-0.050	0.007	0.011	0.000000	0.000000	-766.14	-1737.64
2	FID	ACIS-S-6	7.34	728	0.018	0.039	0.006	0.010	0.000000	0.000000	393.45	808.31
3	GUIDE	821561928	8.21	1457	0.032	0.317	0.080	0.130	273.412393	-18.388173	173.15	-2000.89
4	GUIDE	821564256	8.62	1457	-0.164	-0.019	0.072	0.114	272.675357	-17.918139	2097.34	346.11
5	GUIDE	821567840	8.65	1456	-0.103	-0.087	0.057	0.094	272.206601	-17.972607	2051.04	1964.54
6	GUIDE	822090352	8.64	1456	0.197	-0.127	0.079	0.127	272.203907	-18.976234	-1546.13	2301.88
7	GUIDE	822088160	6.60	1456	0.032	-0.095	0.058	0.094	272.729284	-18.869551	-1330.84	485.22

2.4 Star Slots

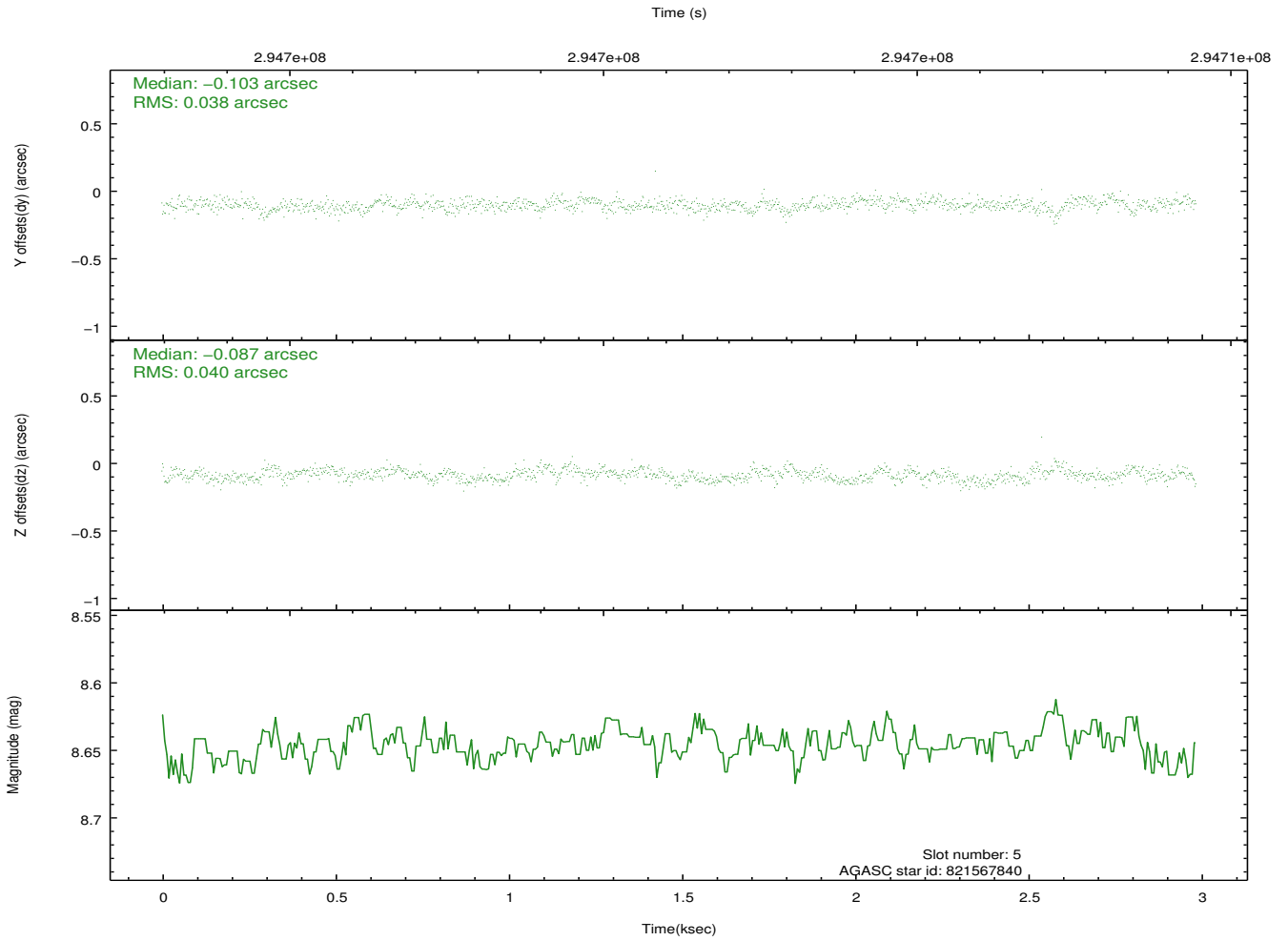
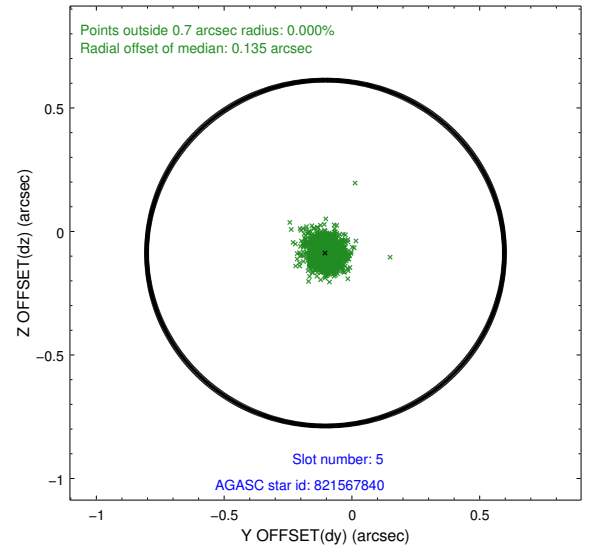
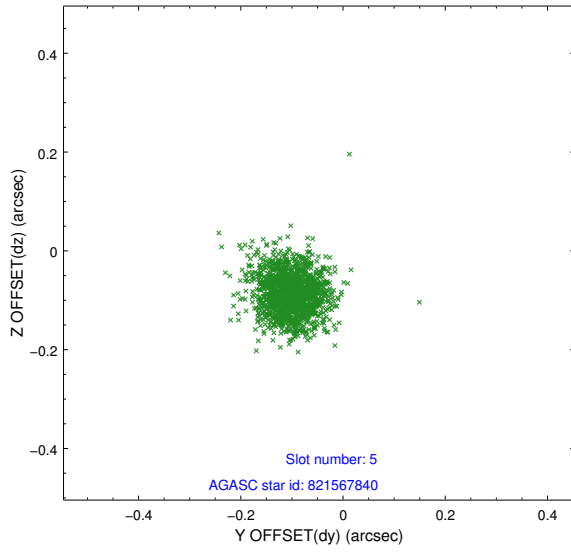
2.4.1 Slot 3



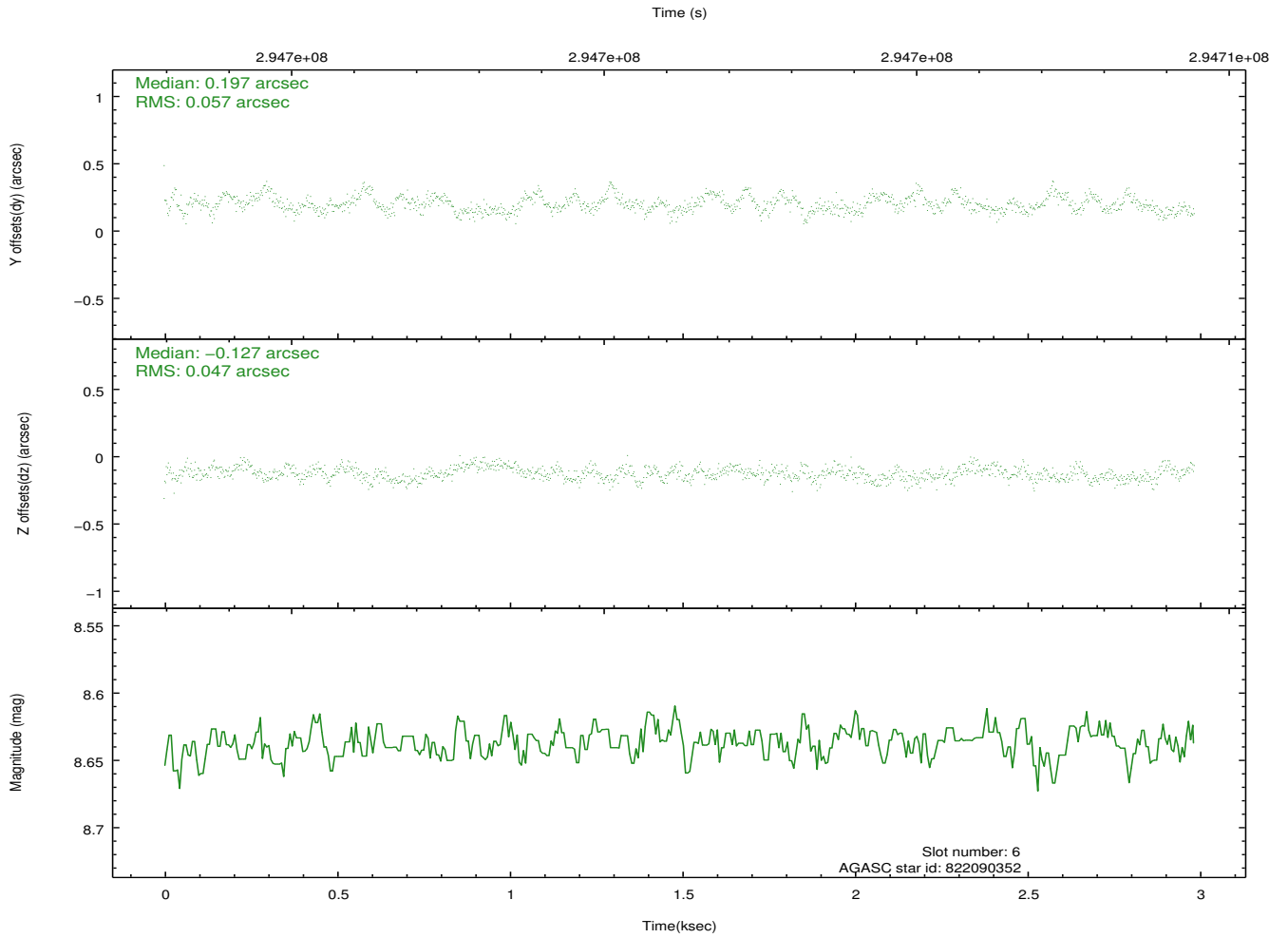
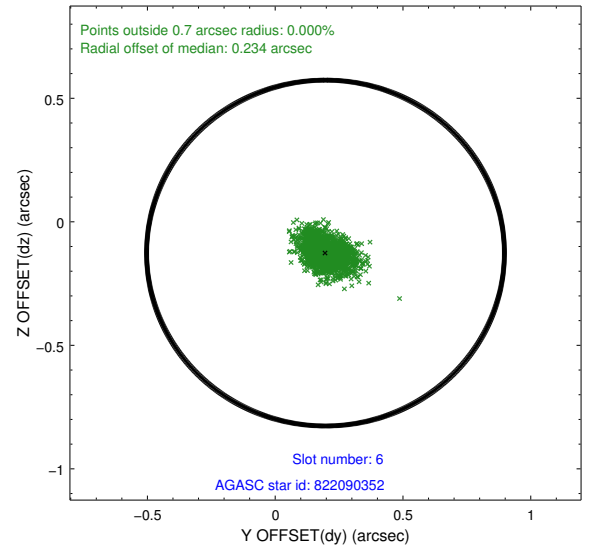
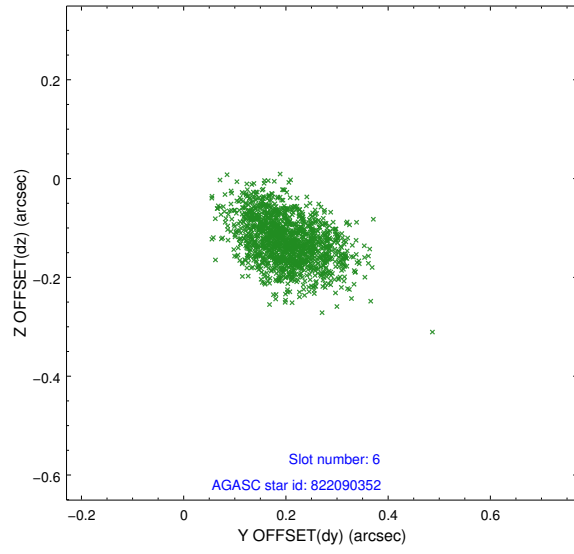
2.4.2 Slot 4



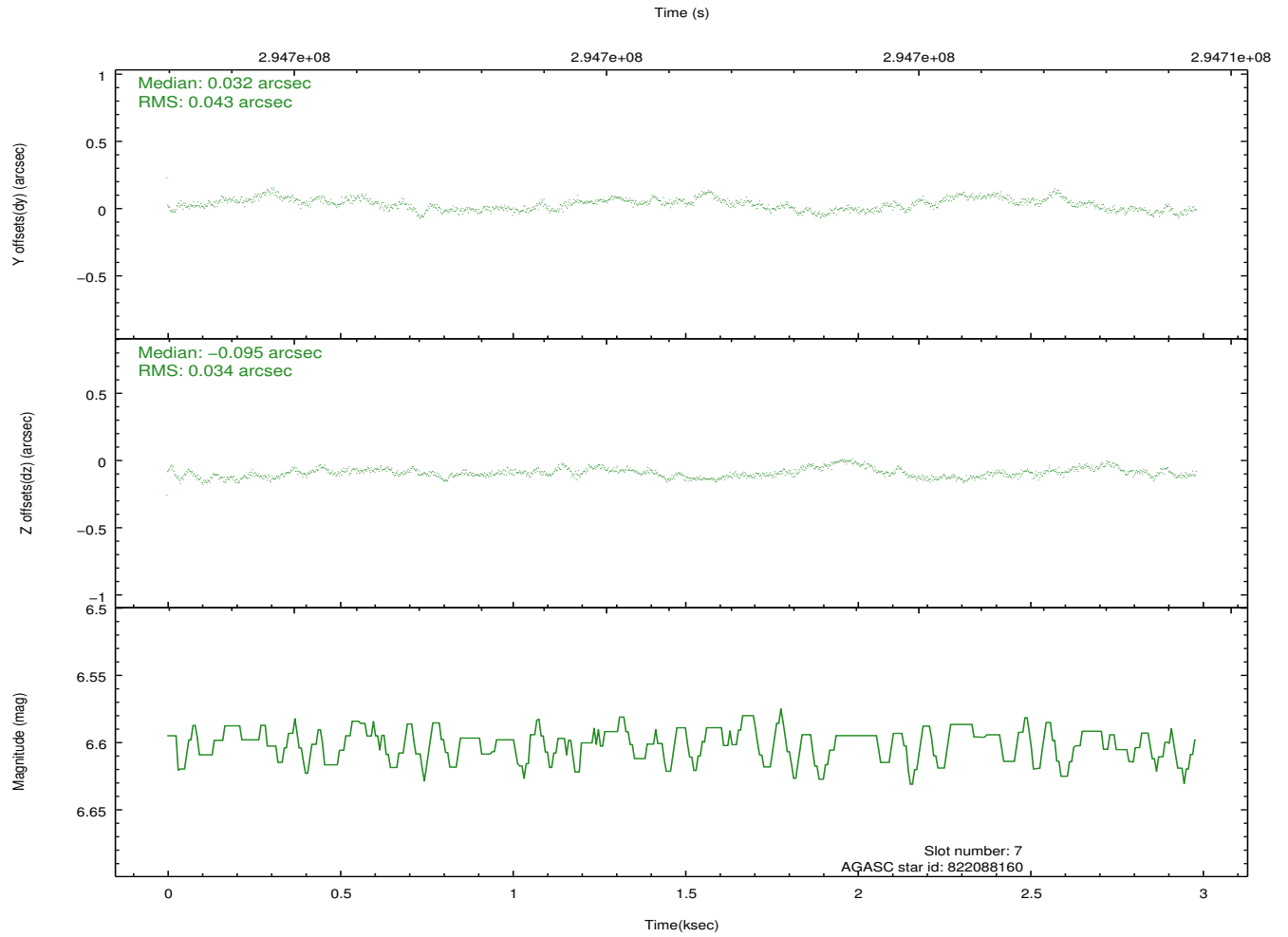
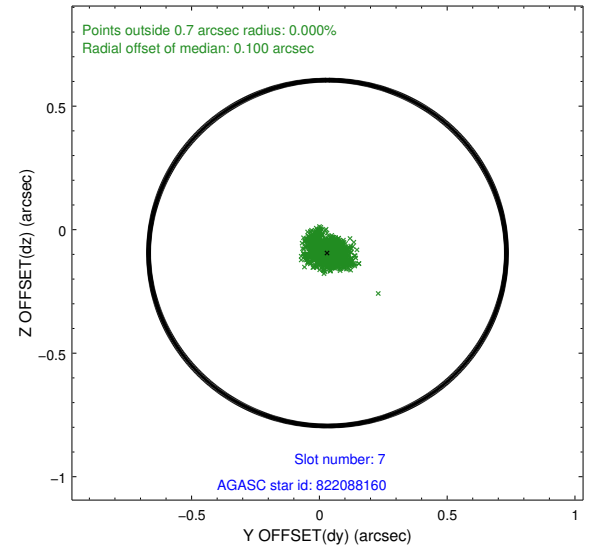
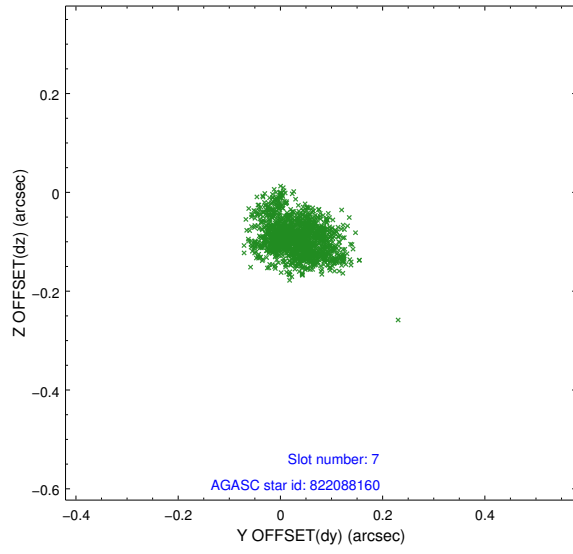
2.4.3 Slot 5



2.4.4 Slot 6

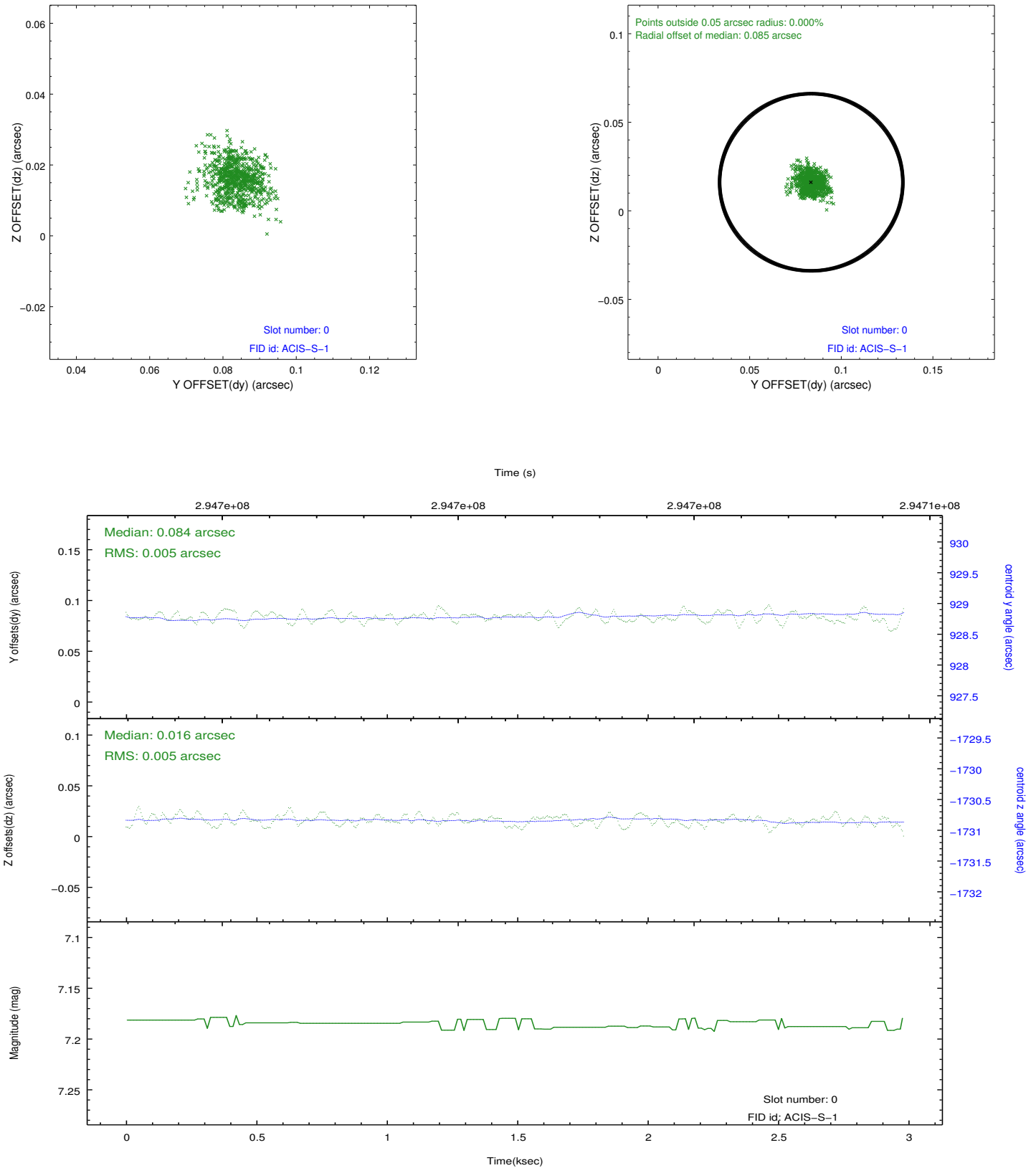


2.4.5 Slot 7

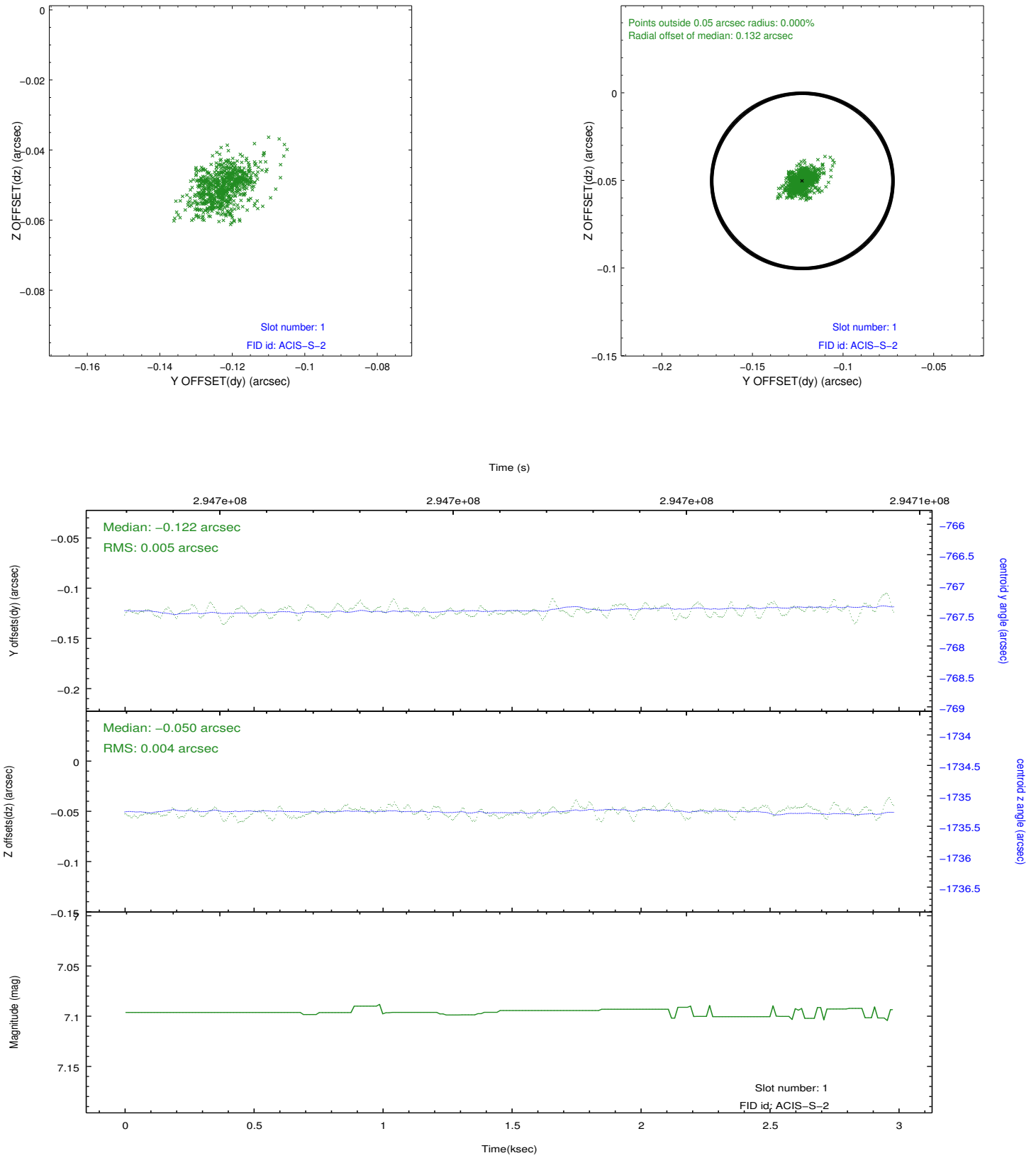


2.5 FID Slots

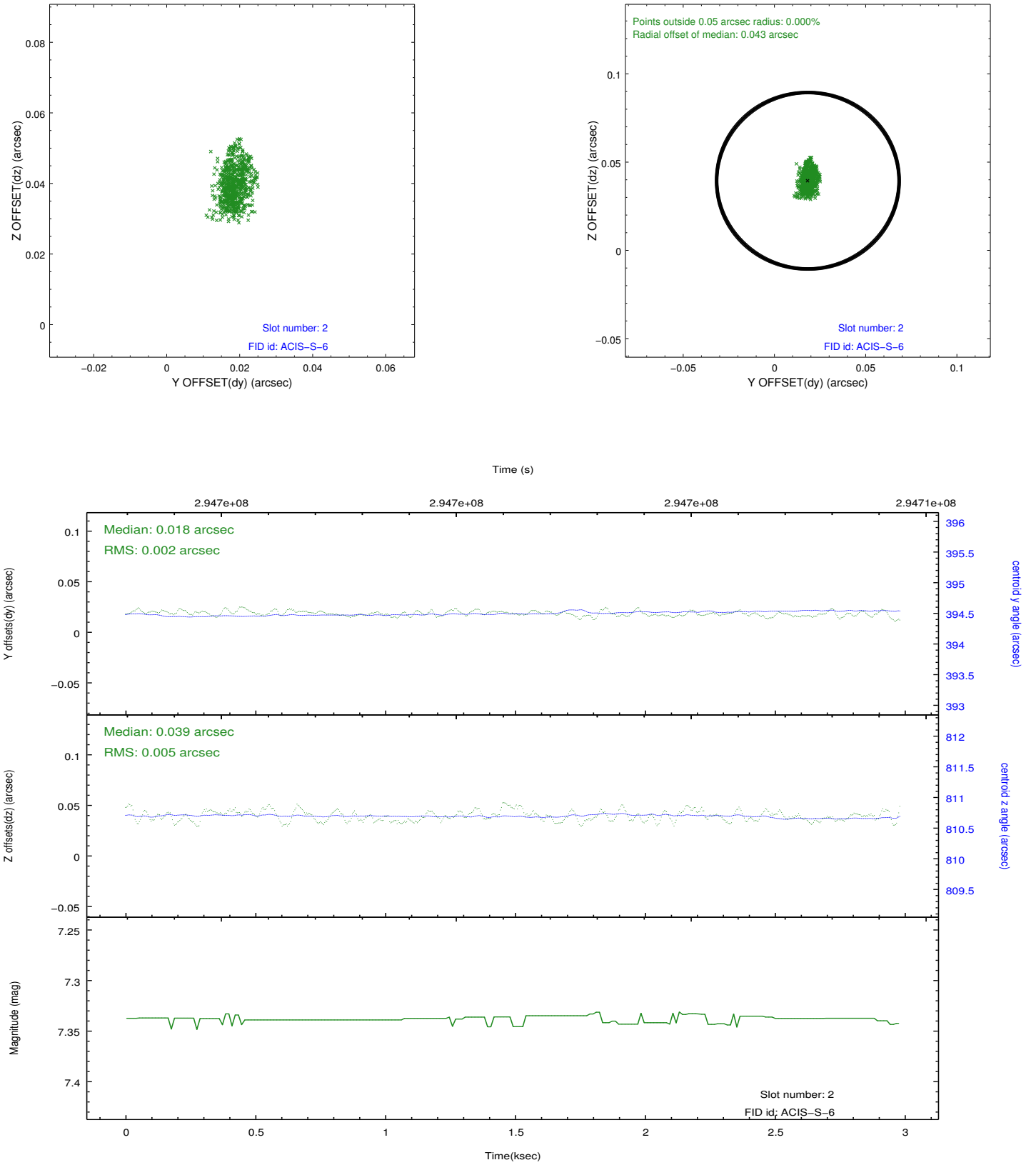
2.5.1 Slot 0



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)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.81279998

A.2 Comments