

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10521 - L2 Version 2
Chandra X-Ray Center

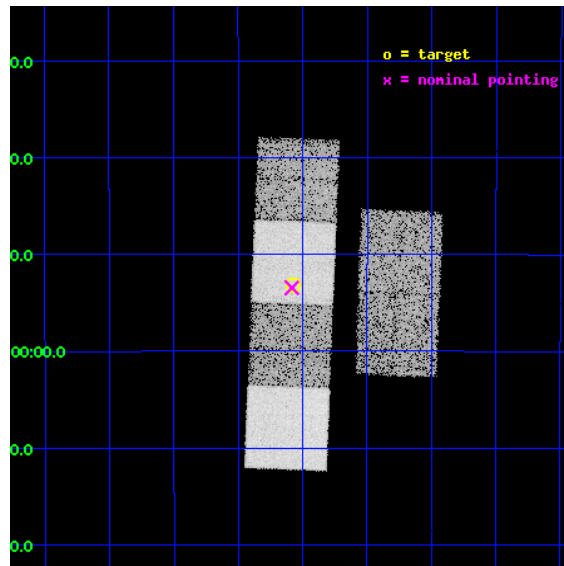
L2 Processing Date : Jun 11 2012

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1 Front

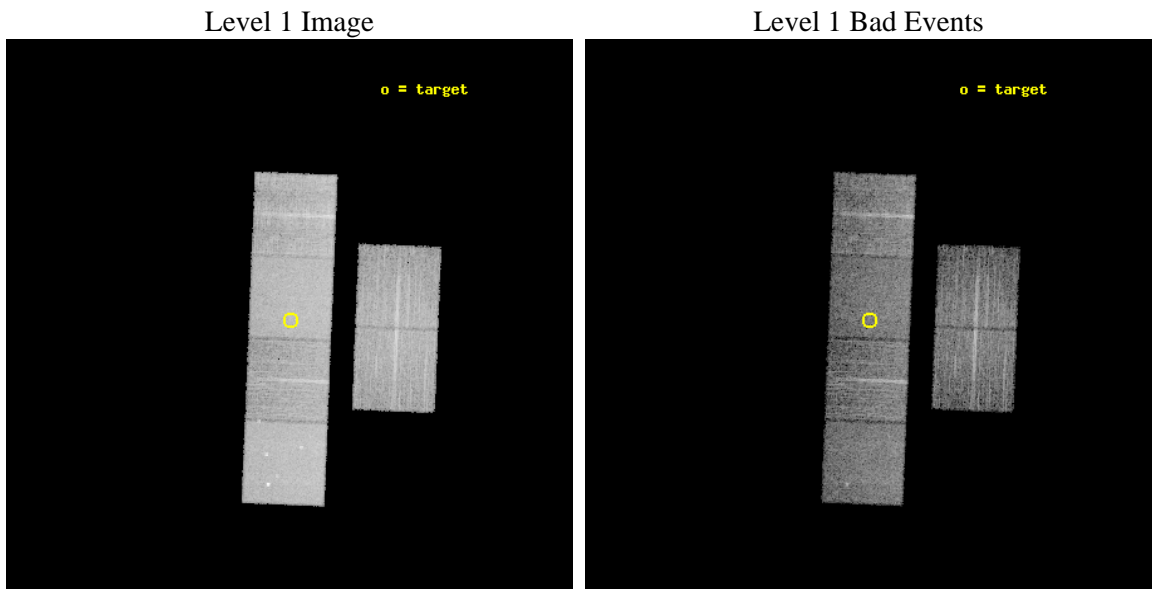
seq_num	900889	Sequence number
obs_id	10521	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J175404-2553	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	268.517917	Observer's specified target RA [deg]
dec_targ	-25.887	Observer's specified target Dec [deg]
ra_nom	268.52090360119	Nominal RA [deg]
dec_nom	-25.891096408232	Nominal Dec [deg]
roll_nom	272.28467799736	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6847.9999745488	Sum of GTIs [s]
livetime	6761.2864755005	Livetime [s]
ontime2	6847.9999745488	Sum of GTIs [s]
ontime3	6844.7589440346	Sum of GTIs [s]
ontime5	6847.9999745488	Sum of GTIs [s]
ontime6	6847.9999745488	Sum of GTIs [s]
ontime7	6847.9999745488	Sum of GTIs [s]
ontime8	6847.9617767334	Sum of GTIs [s]
l2events	123743	Number of level 2 events



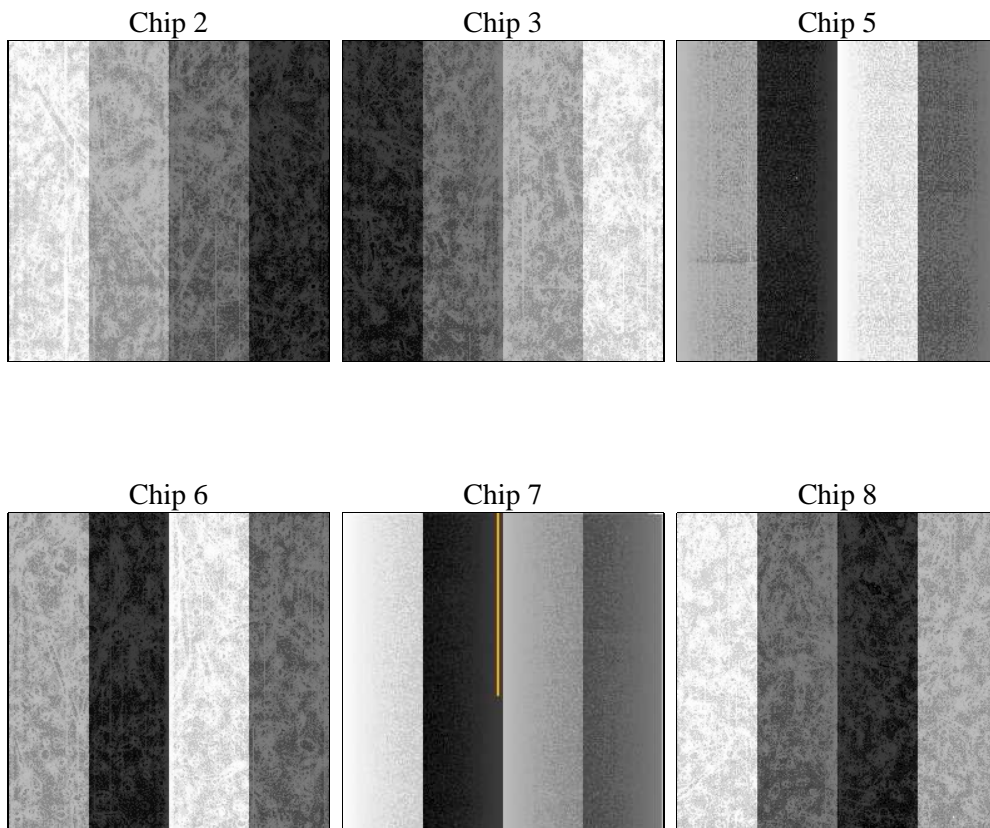
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6847.9999745488	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	6847.9999745488	Sum of GTIs [s]
date	2012-06-11T13:52:53	Date and time of file creation	ontime3	6844.7589440346	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	6847.9999745488	Sum of GTIs [s]
			ontime6	6847.9999745488	Sum of GTIs [s]
			ontime7	6847.9999745488	Sum of GTIs [s]
			ontime8	6847.9617767334	Sum of GTIs [s]
			l1events	525698	Number of level 1 events

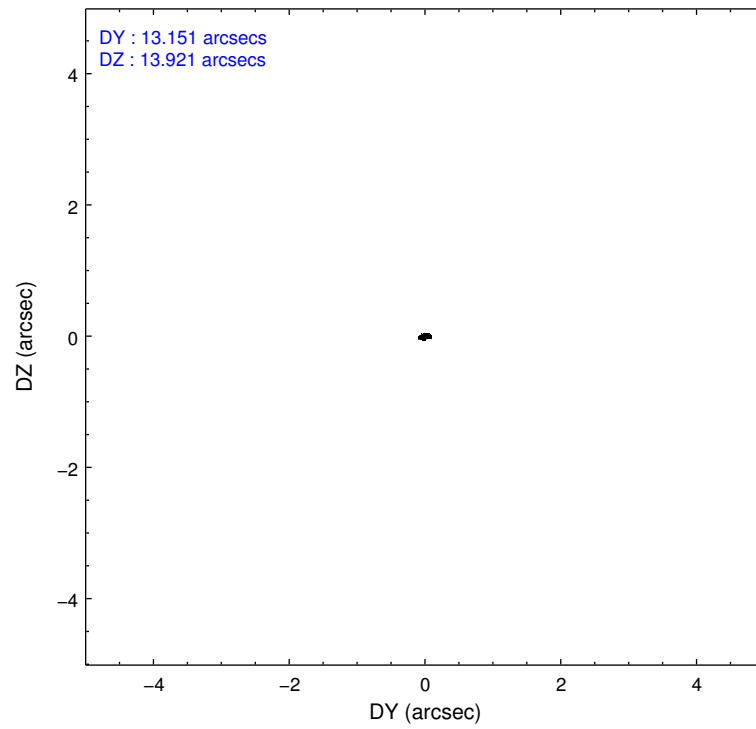
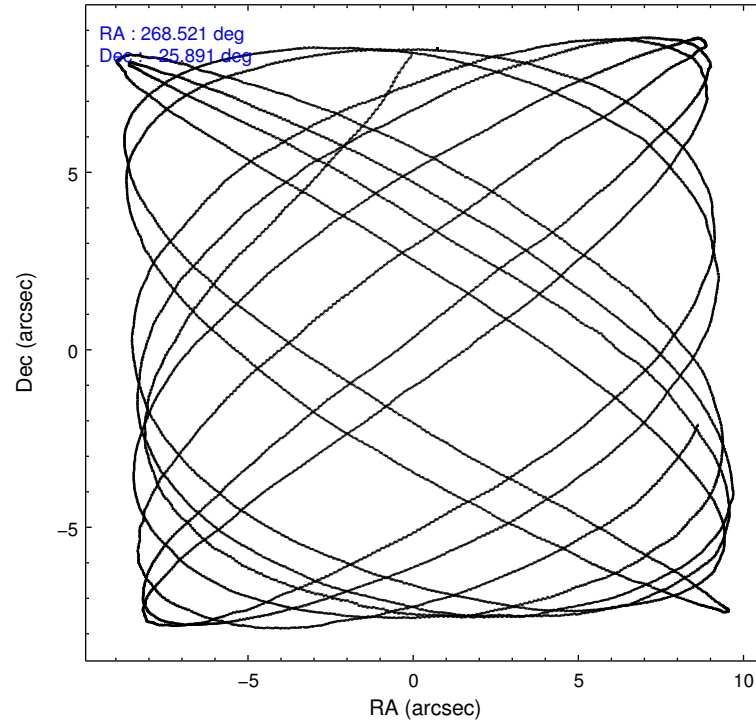
2.1.4 Events

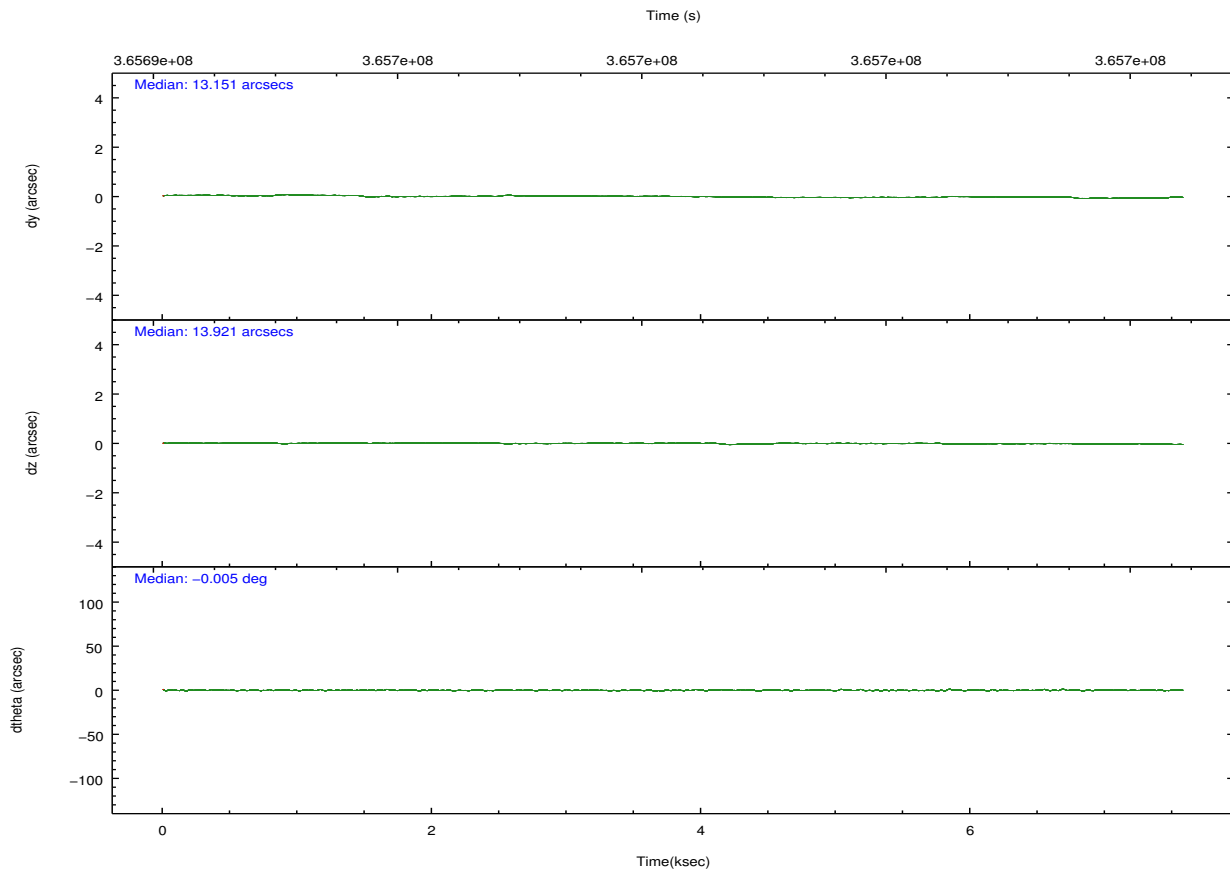
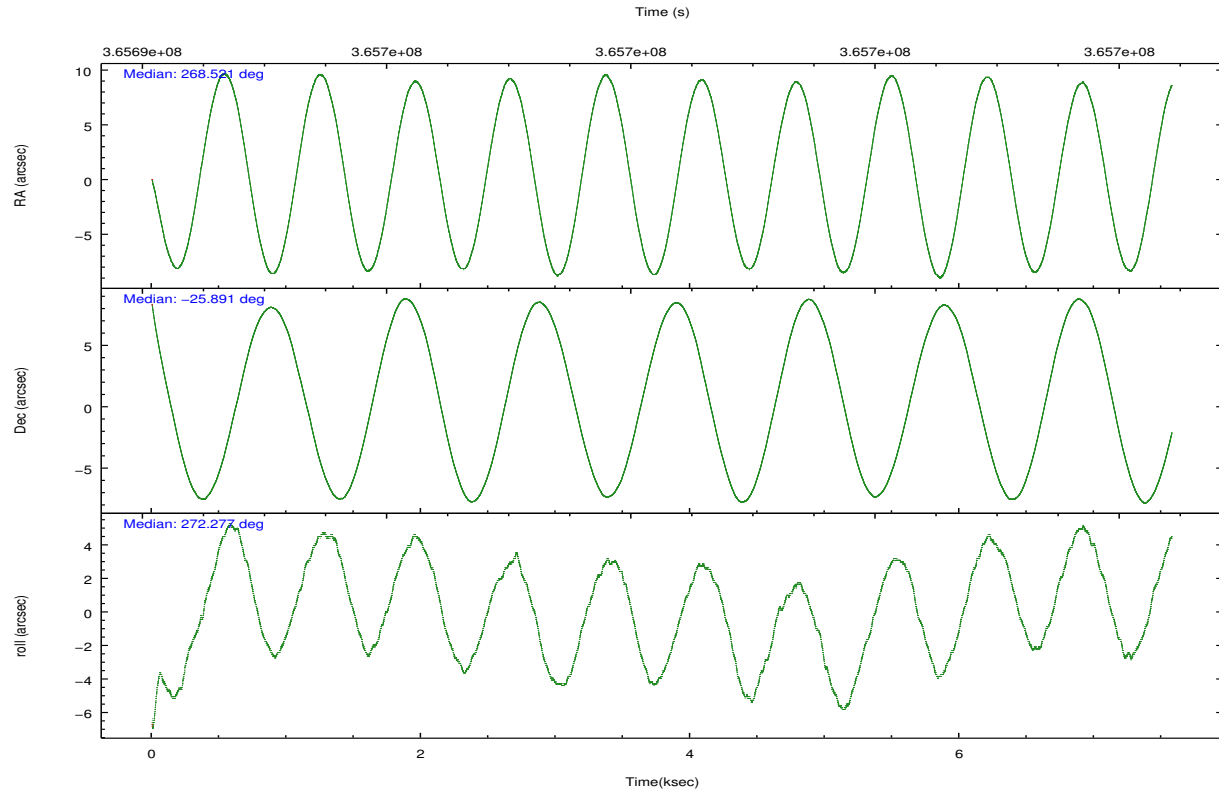
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	73039	69988	113980	72343	102364	93984	grade 0 events	3741	4084	4528	3578	3592	7014
rejected events	64268	60872	61917	63275	59653	72164		5%	5%	3%	4%	3%	7%
rejected %	87%	86%	54%	87%	58%	76%	grade 1 events	65	50	338	44	106	87
								0%	0%	0%	0%	0%	0%
							grade 2 events	1889	1794	16026	2037	9002	4976
								2%	2%	14%	2%	8%	5%
							grade 3 events	825	832	1650	816	3540	2180
								1%	1%	1%	1%	3%	2%
							grade 4 events	816	868	1671	796	3447	2077
								1%	1%	1%	1%	3%	2%
							grade 5 events	3008	3503	7645	3564	9430	4617
								4%	5%	6%	4%	9%	4%
							grade 6 events	1504	1541	28210	1846	23146	5582
								2%	2%	24%	2%	22%	5%
							grade 7 events	61191	57316	53912	59662	50101	67451
								83%	81%	47%	82%	48%	71%

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	268.504342	268.5209036011943	CCD I2 on	O2	Y
[deg] Pointing Dec	-25.868112	-25.89109640823196	CCD I3 on	O3	Y
[deg] Pointing Roll	272.120818	272.2846779973599	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)	365695148.184000	365693942.80782	CCD S5 on	N	N
Observation start date	2009-08-03T13:58:02	2009-08-03T13:39:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	365702048.184000	365702997.65827	On-chip summing requested	N	N
Observation end date	2009-08-03T15:53:02	2009-08-03T16:09:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



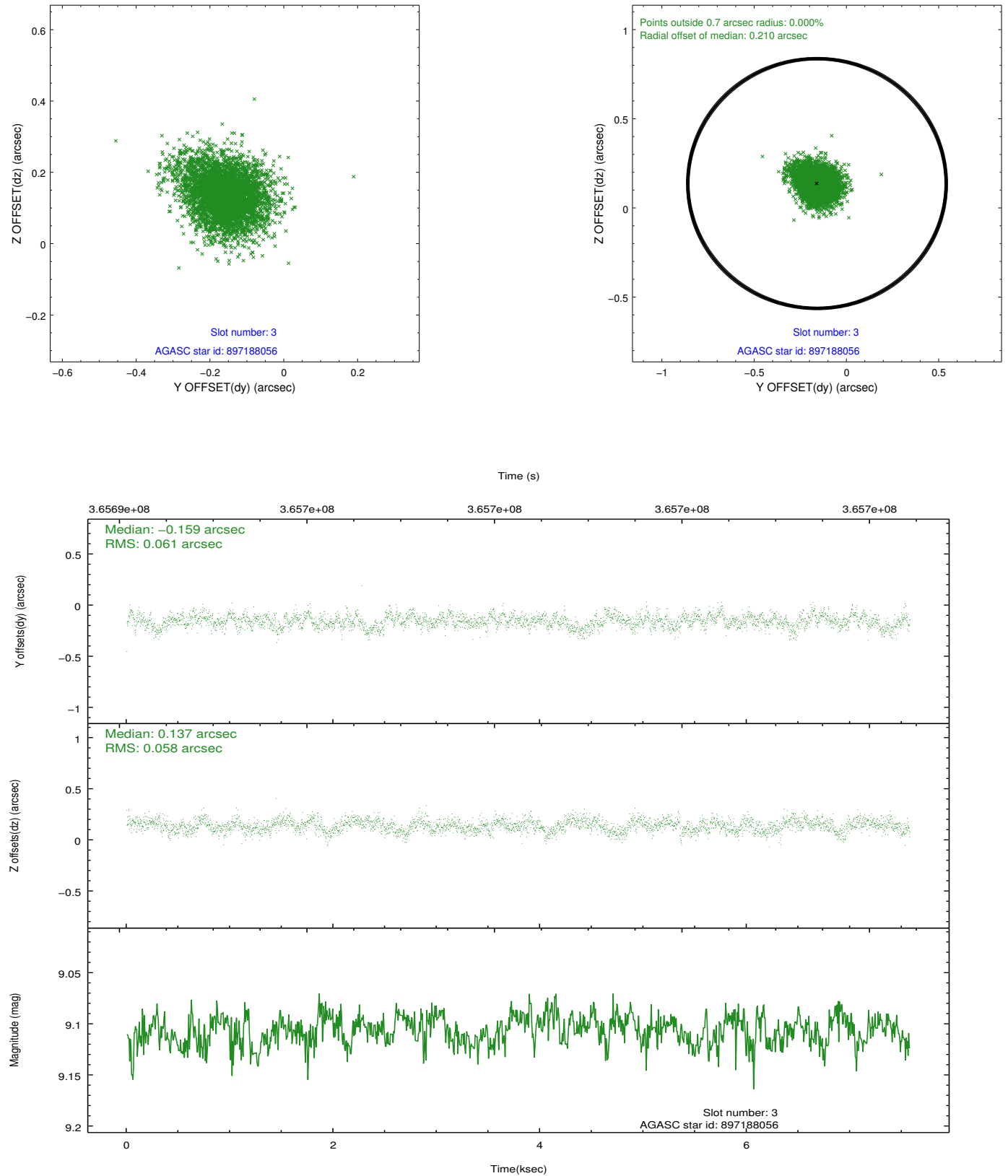


Slot Statistics

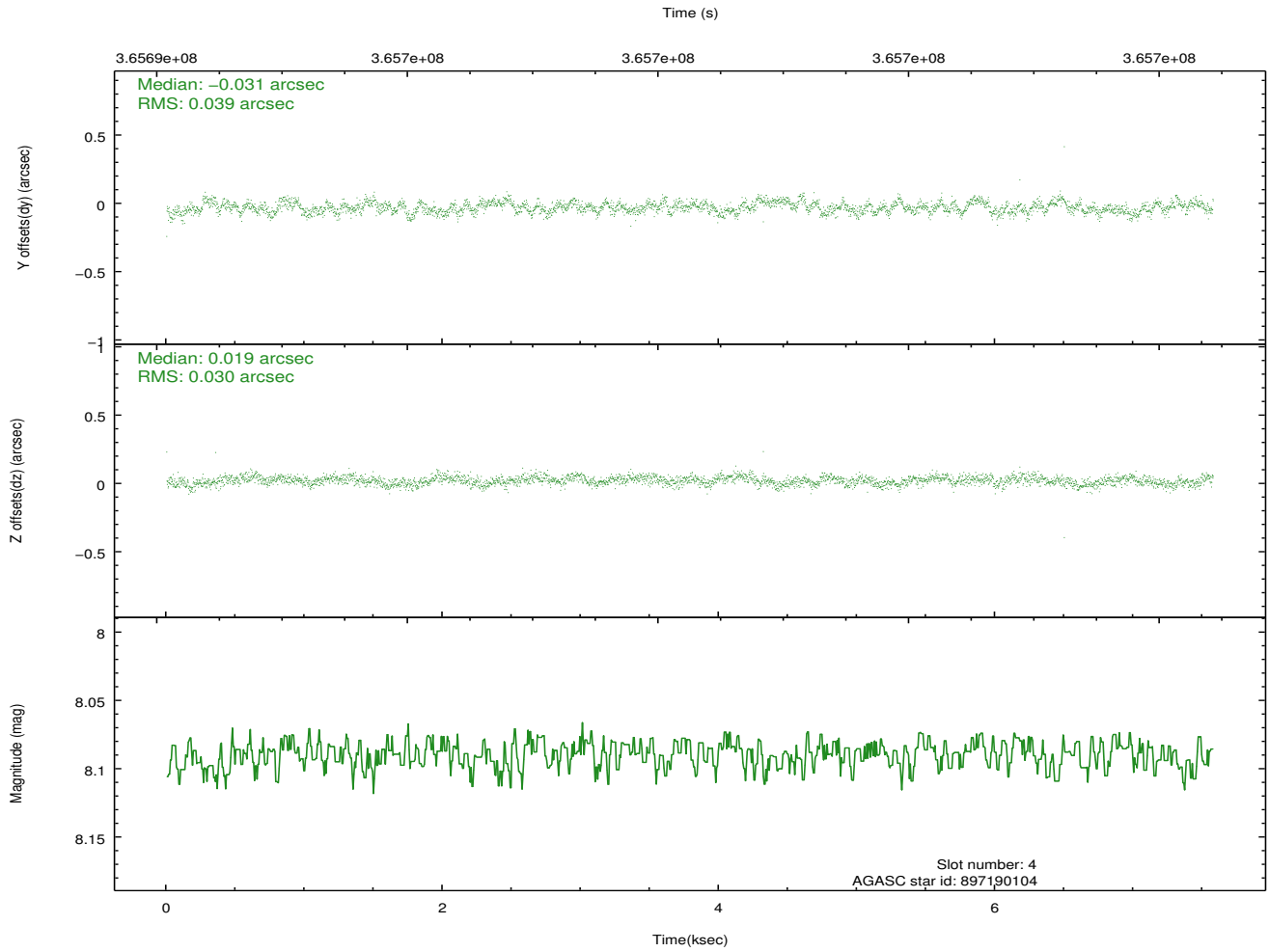
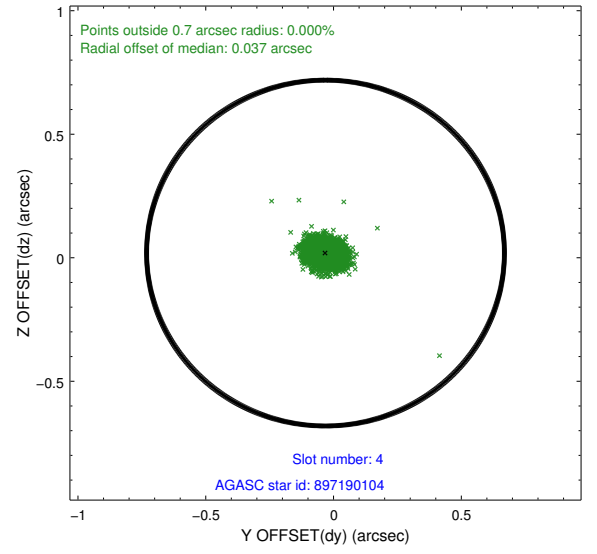
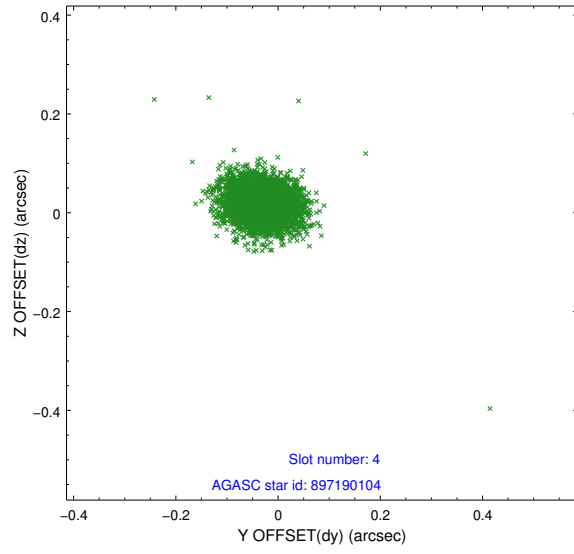
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.09	1848	0.055	-0.004	0.007	0.011	0.000000	0.000000	930.01	-1730.85
1	FID	ACIS-S-4	7.08	1849	0.100	-0.019	0.006	0.011	0.000000	0.000000	2147.88	172.52
2	FID	ACIS-S-5	7.12	1849	-0.183	0.036	0.006	0.011	0.000000	0.000000	-1818.13	167.01
3	GUIDE	897188056	9.11	3695	-0.159	0.137	0.089	0.149	269.091794	-25.262919	-2102.27	1991.92
4	GUIDE	897190104	8.09	3697	-0.031	0.019	0.051	0.084	268.897616	-25.377340	-1717.10	1344.30
5	GUIDE	897192360	8.38	3655	0.118	-0.193	0.064	0.100	268.601647	-26.234891	1330.96	265.69
6	GUIDE	897194504	7.61	3696	0.007	-0.057	0.053	0.083	267.979415	-25.772977	-401.08	-1687.69
7	GUIDE	897712576	8.12	3694	0.066	0.092	0.057	0.090	268.256910	-26.333794	1646.63	-859.70

2.4 Star Slots

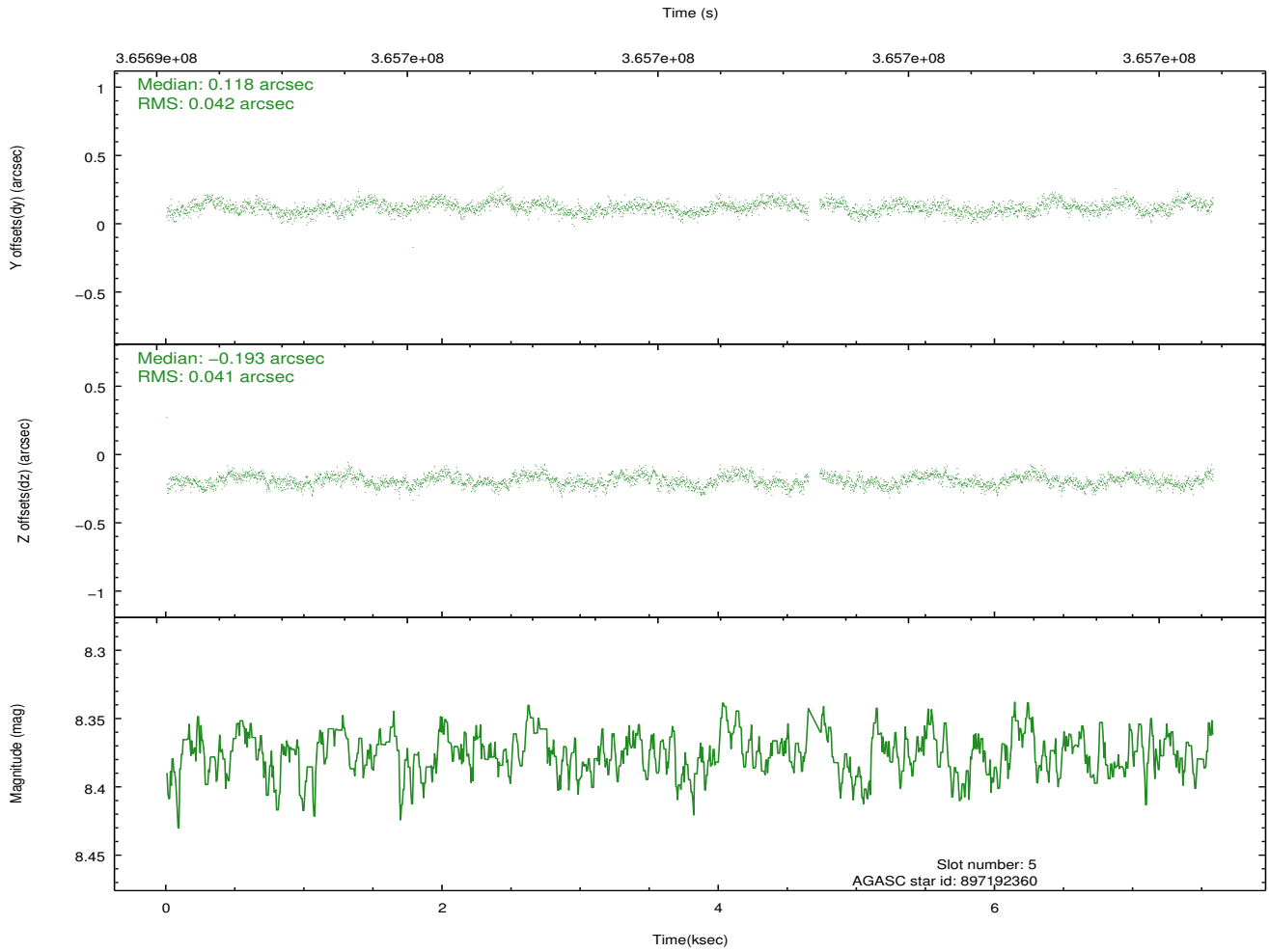
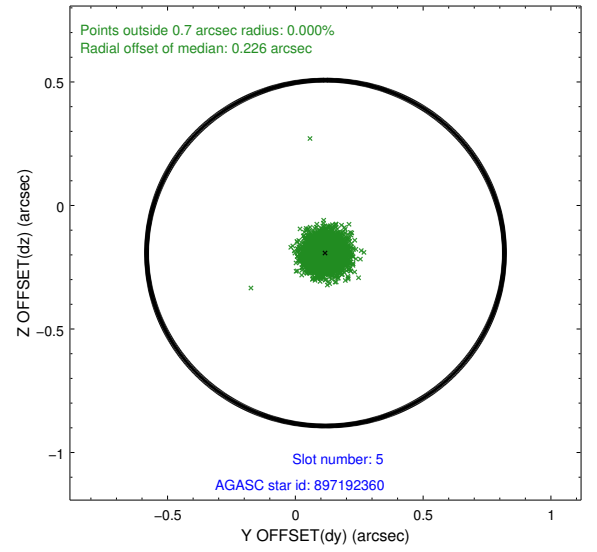
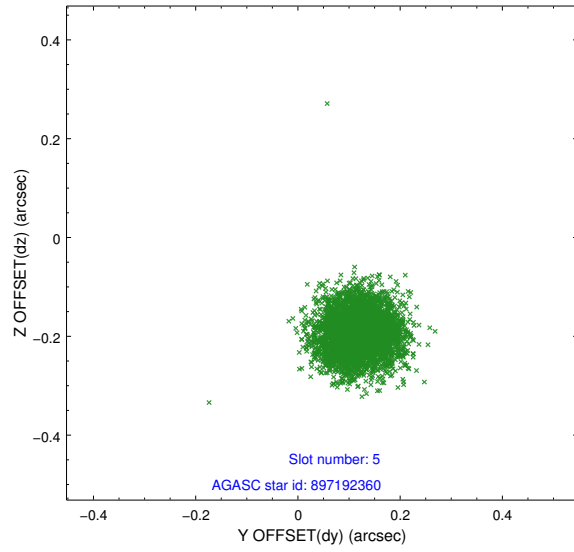
2.4.1 Slot 3



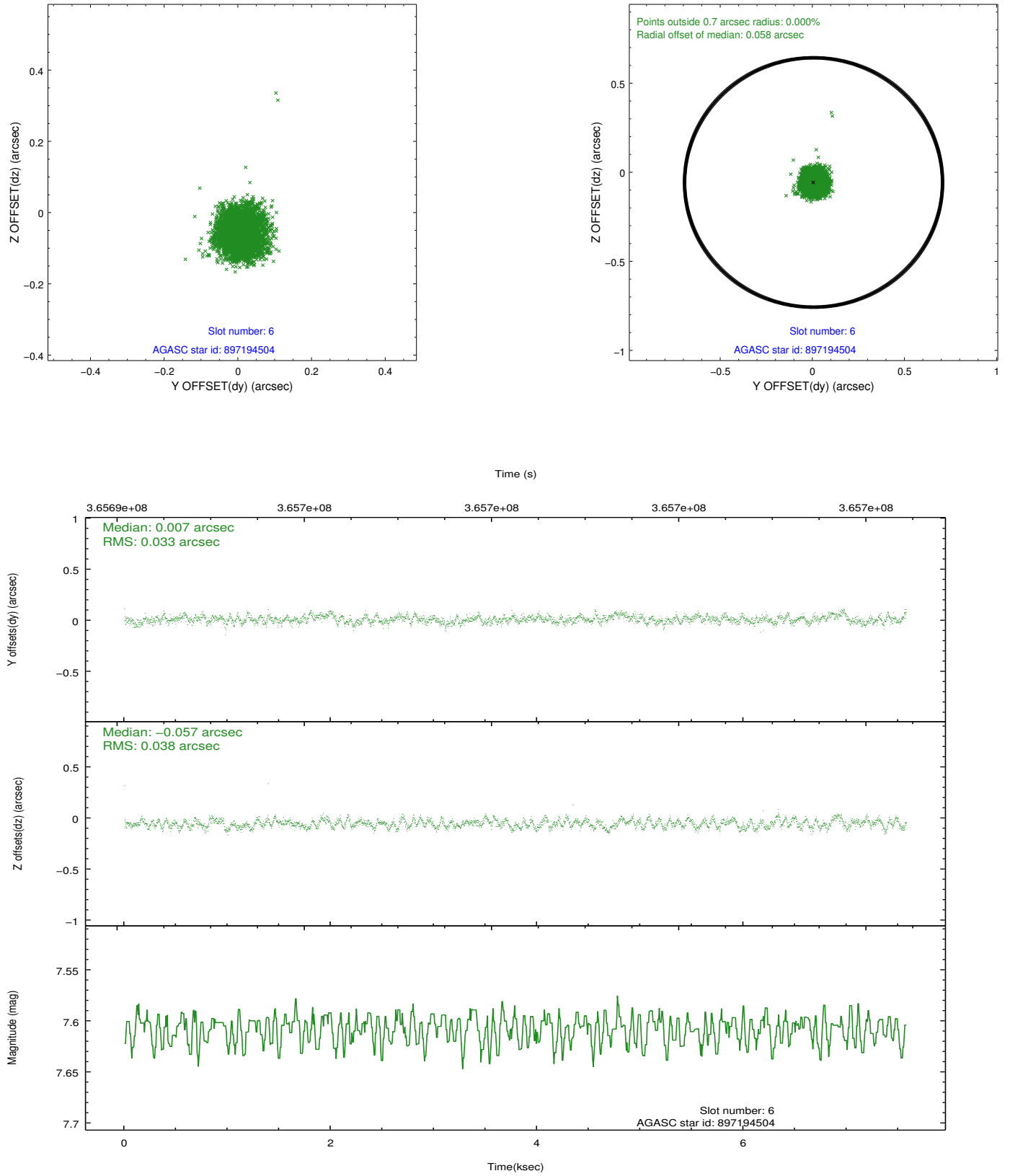
2.4.2 Slot 4



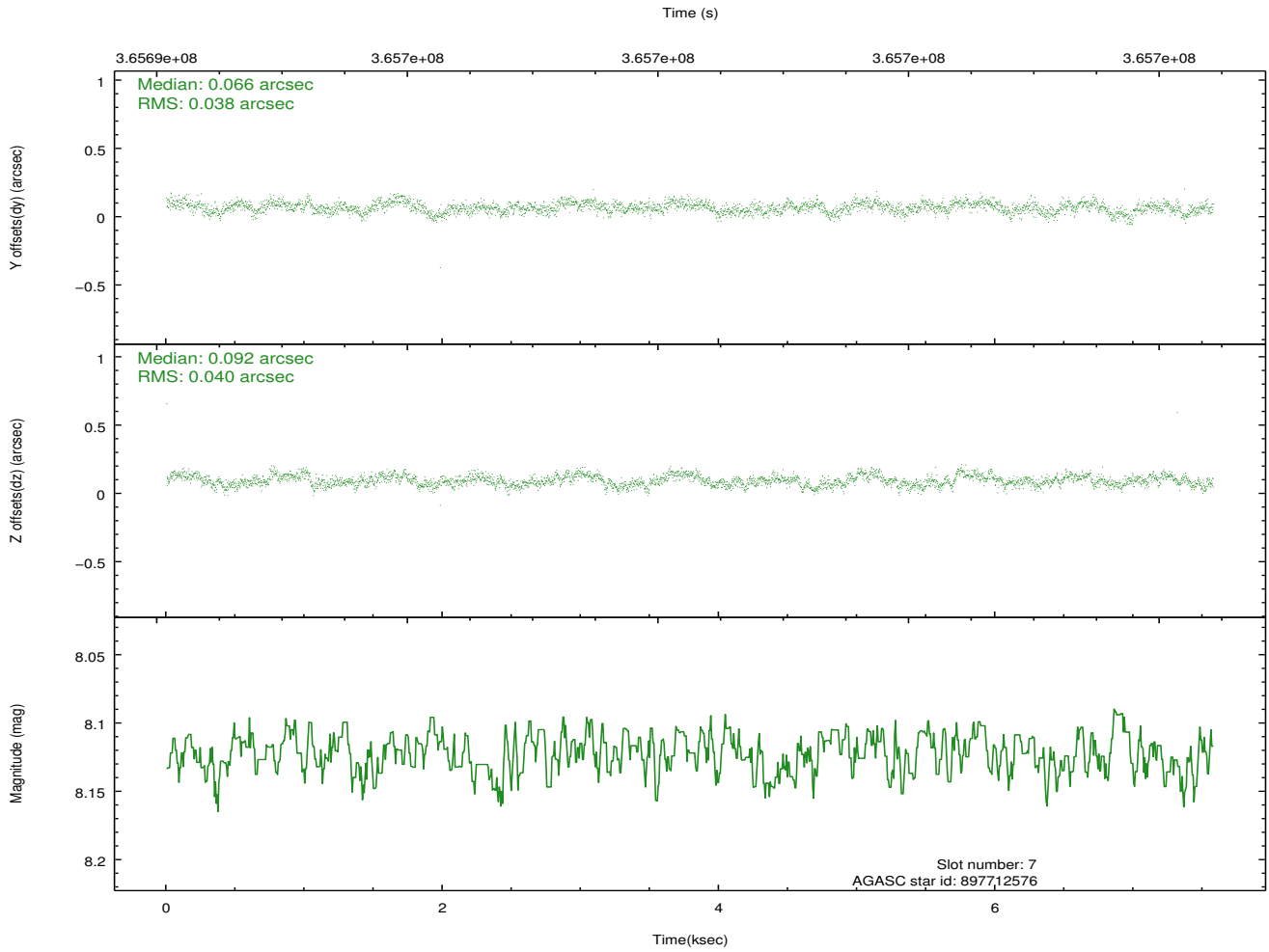
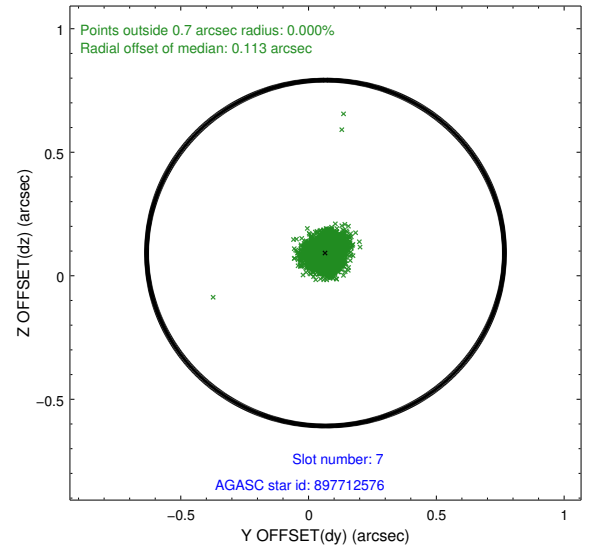
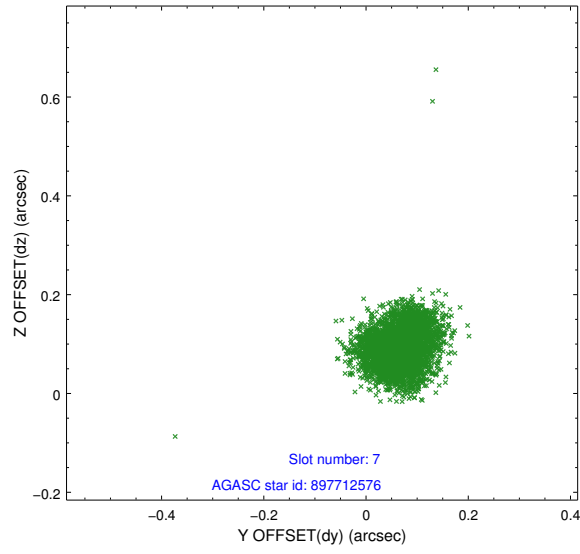
2.4.3 Slot 5



2.4.4 Slot 6

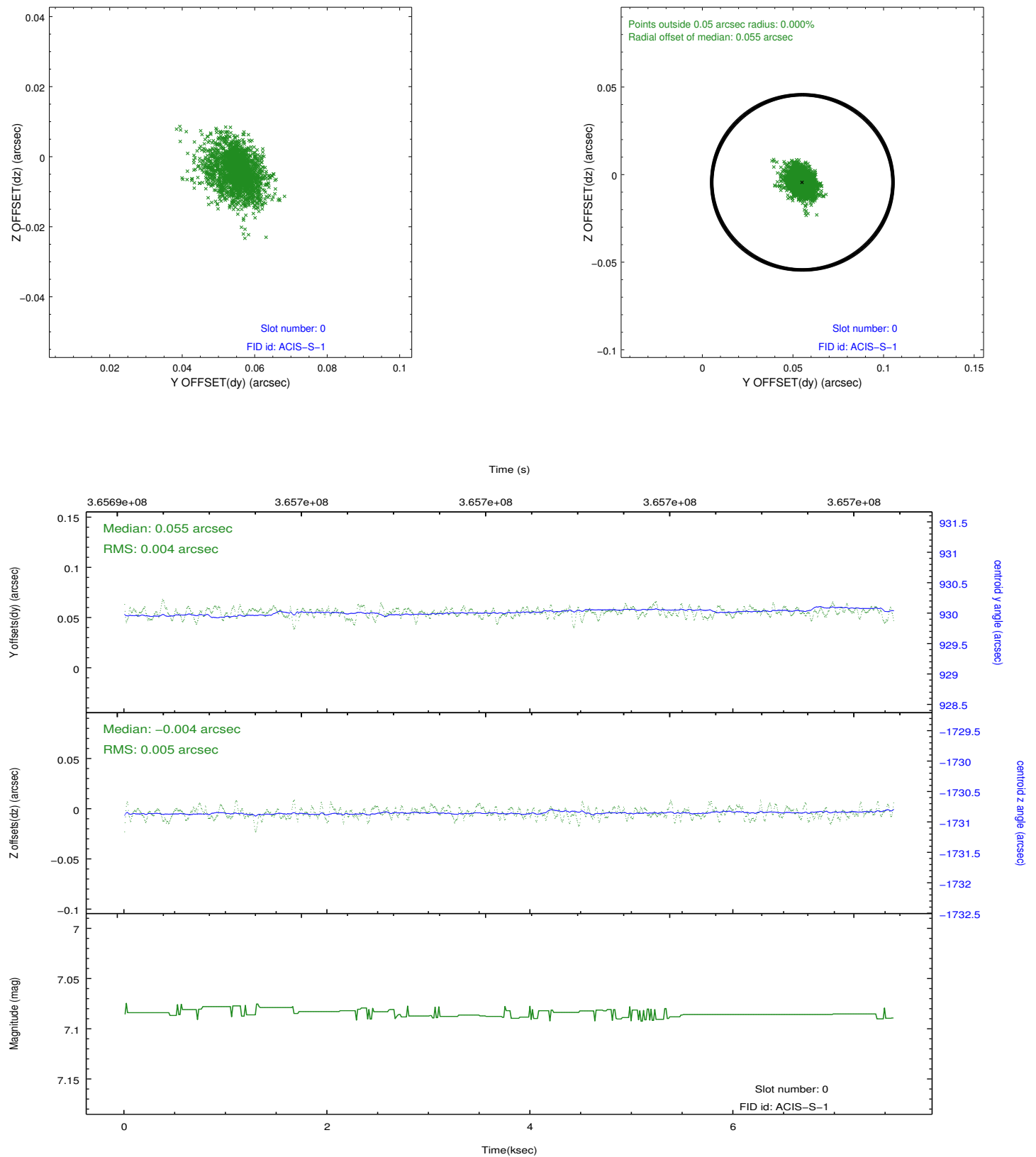


2.4.5 Slot 7

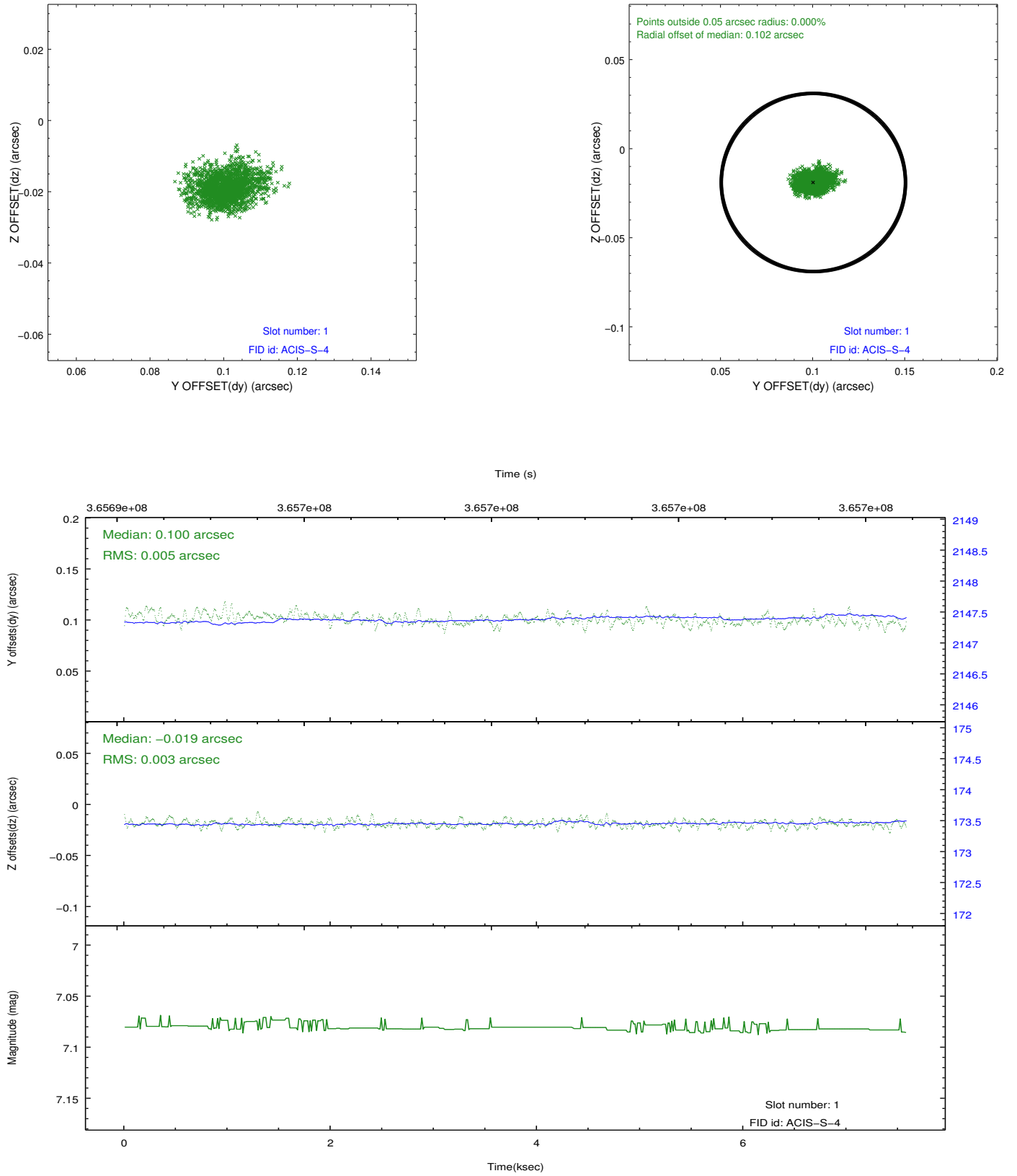


2.5 FID Slots

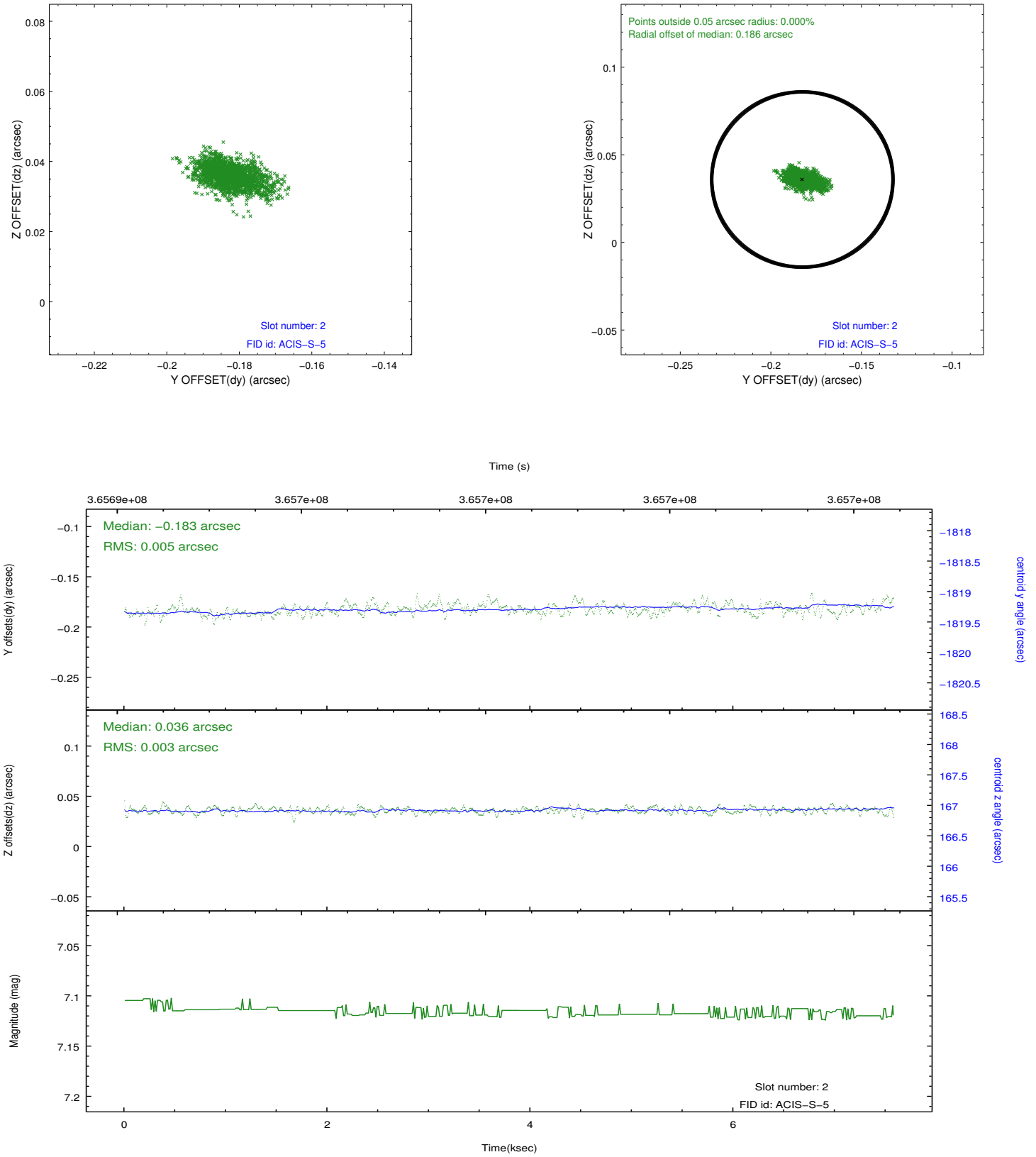
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.8479999745488

A.2 Comments