

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9113 - L2 Version 2
Chandra X-Ray Center

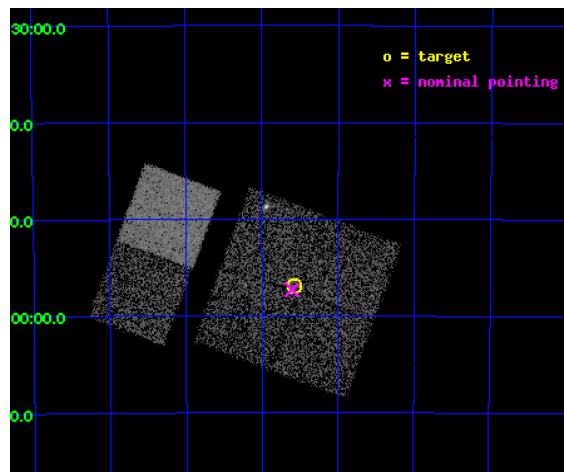
L2 Processing Date : May 13 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

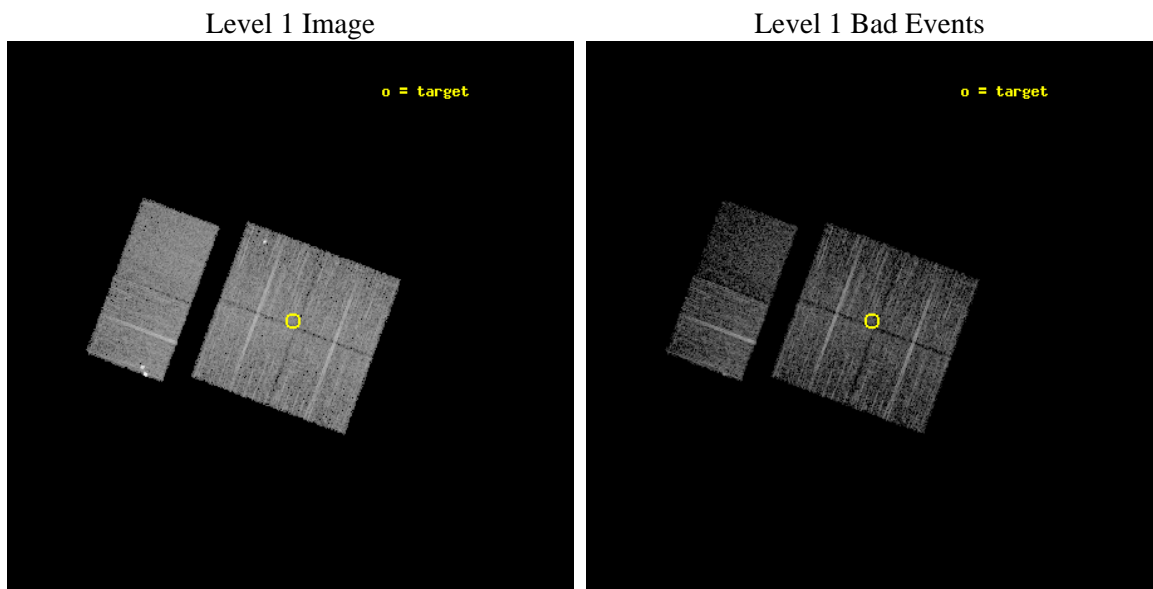
seq_num	500975	Sequence number
obs_id	9113	Observation id
title	Completing a Small Chandra Survey of Hard X-ray Sources in Gamma-Ray Error Boxes	Proposal title
observer	Dr. Mallory Roberts	Principal investigator
object	AX J1025.6-5757	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.392083	Observer's specified target RA [deg]
dec_targ	-57.948917	Observer's specified target Dec [deg]
ra_nom	156.40157015861	Nominal RA [deg]
dec_nom	-57.955315145225	Nominal Dec [deg]
roll_nom	290.53569647266	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4755.1999823451	Sum of GTIs [s]
livetime	4694.986776931	Livetime [s]
ontime0	4751.9589819908	Sum of GTIs [s]
ontime1	4755.1999823451	Sum of GTIs [s]
ontime2	4751.9589720964	Sum of GTIs [s]
ontime3	4755.1999823451	Sum of GTIs [s]
ontime6	4755.1999823451	Sum of GTIs [s]
ontime7	4755.1999823451	Sum of GTIs [s]
l2events	33156	Number of level 2 events



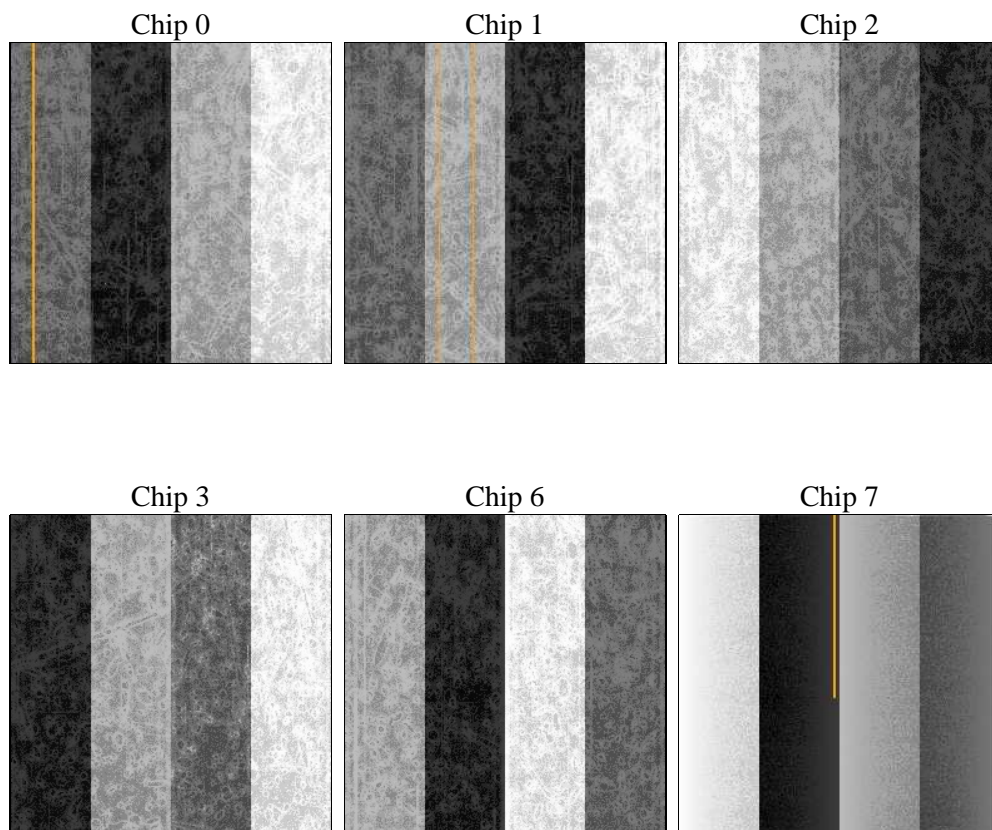
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4755.1999823451	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4751.9589819908	Sum of GTIs [s]
date	2012-05-13T12:39:02	Date and time of file creation	ontime1	4755.1999823451	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4751.9589720964	Sum of GTIs [s]
			ontime3	4755.1999823451	Sum of GTIs [s]
			ontime6	4755.1999823451	Sum of GTIs [s]
			ontime7	4755.1999823451	Sum of GTIs [s]
			l1events	213880	Number of level 1 events

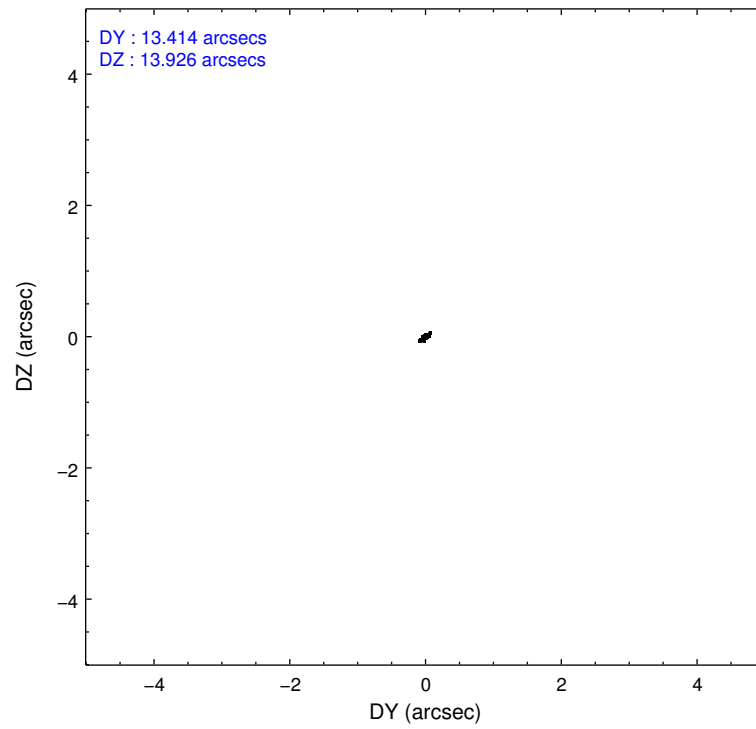
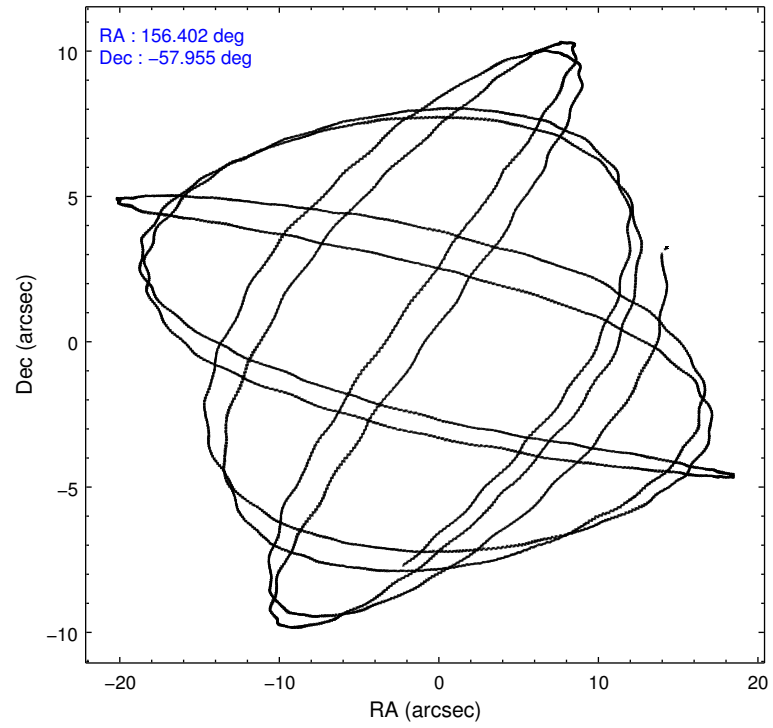
2.1.4 Events

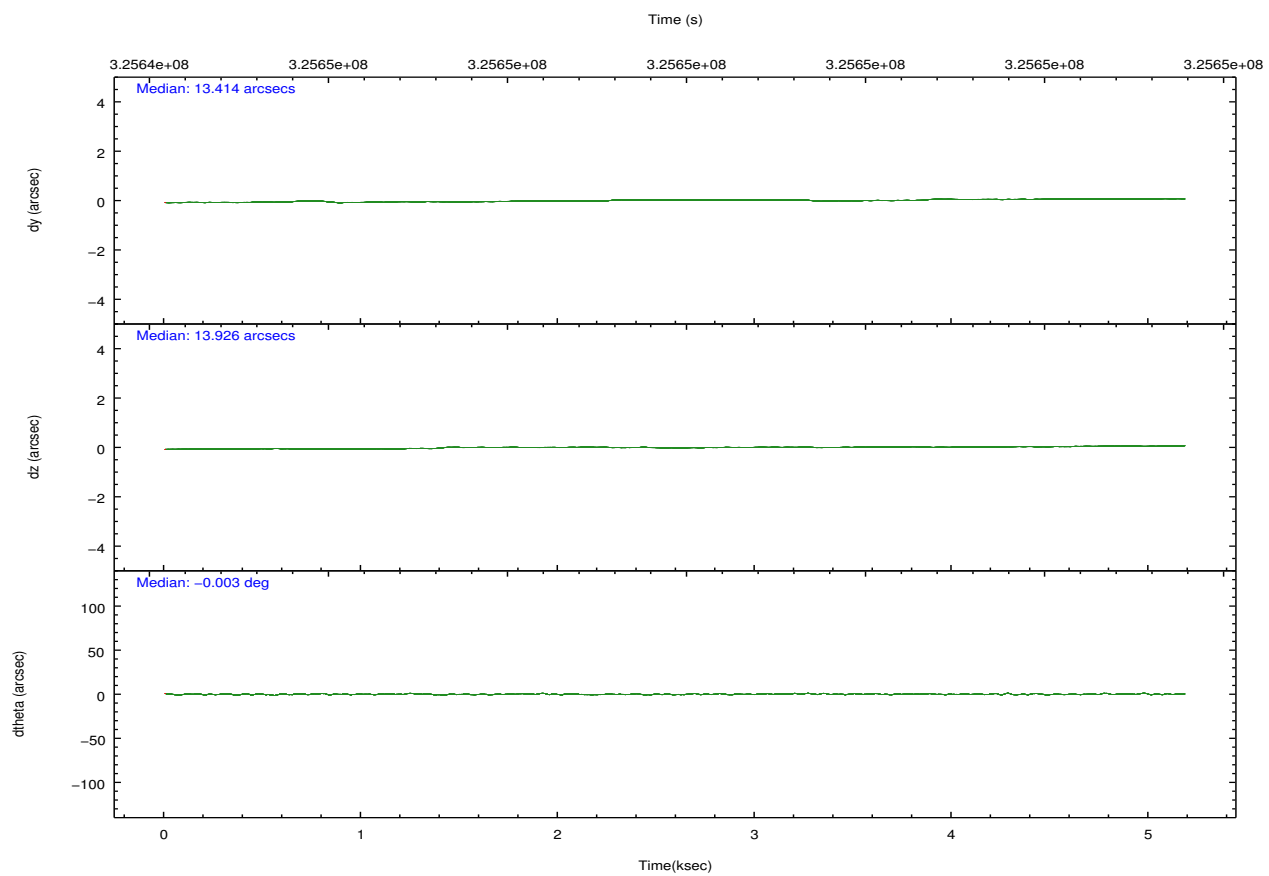
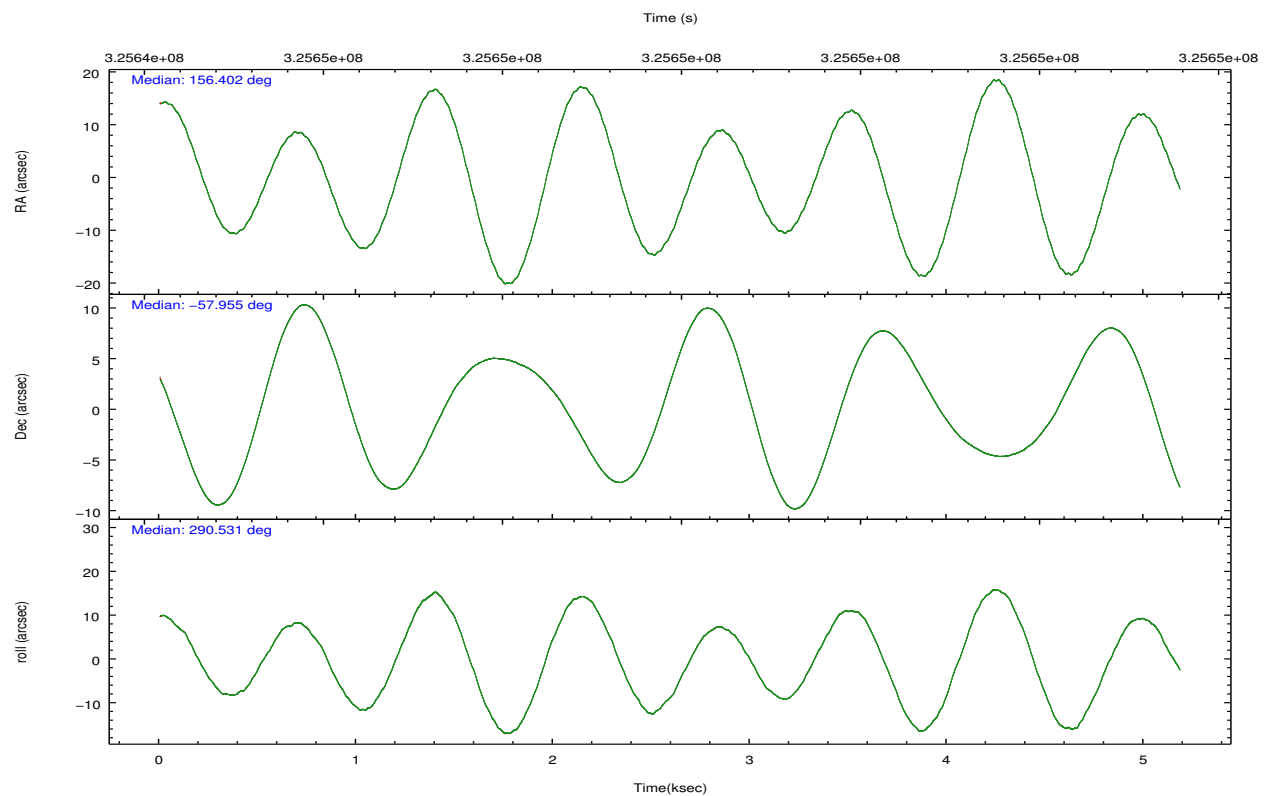
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33410	34180	36003	35418	40998	33871	grade 0 events	1512	1485	1491	2222	4166	1757
rejected events	29666	30152	32234	30688	33120	17035		4%	4%	4%	6%	10%	5%
rejected %	88%	88%	89%	86%	80%	50%	grade 1 events	24	22	21	26	55	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	876	844	901	911	2174	3609
								2%	2%	2%	2%	5%	10%
							grade 3 events	359	462	394	434	382	1598
								1%	1%	1%	1%	0%	4%
							grade 4 events	358	480	366	436	379	1566
								1%	1%	1%	1%	0%	4%
							grade 5 events	1013	1214	1055	1216	1305	3623
								3%	3%	2%	3%	3%	10%
							grade 6 events	642	761	622	729	789	8328
								1%	2%	1%	2%	1%	24%
							grade 7 events	28626	28912	31153	29444	31748	13341
								85%	84%	86%	83%	77%	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	156.361308	156.4015701586083	CCD I2 on	Y	Y
[deg] Pointing Dec	-57.937902	-57.95531514522497	CCD I3 on	Y	Y
[deg] Pointing Roll	290.292878	290.5356964726554	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	325645533.184000	325645016.00661	CCD S5 on	N	N
Observation start date	2008-04-27T01:04:28	2008-04-27T00:56:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	325650533.184000	325651579.59443	On-chip summing requested	N	N
Observation end date	2008-04-27T02:27:48	2008-04-27T02:46:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



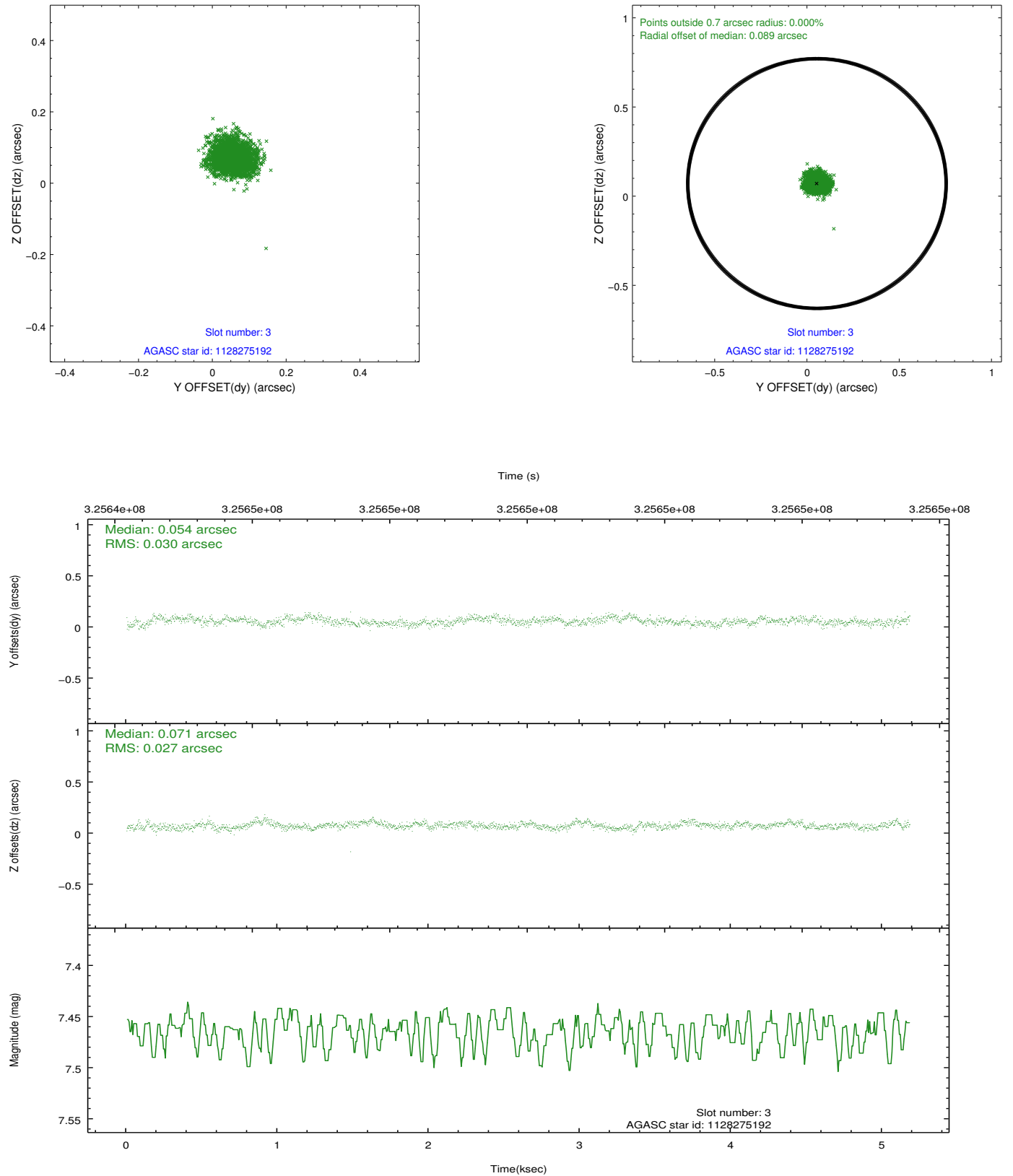


Slot Statistics

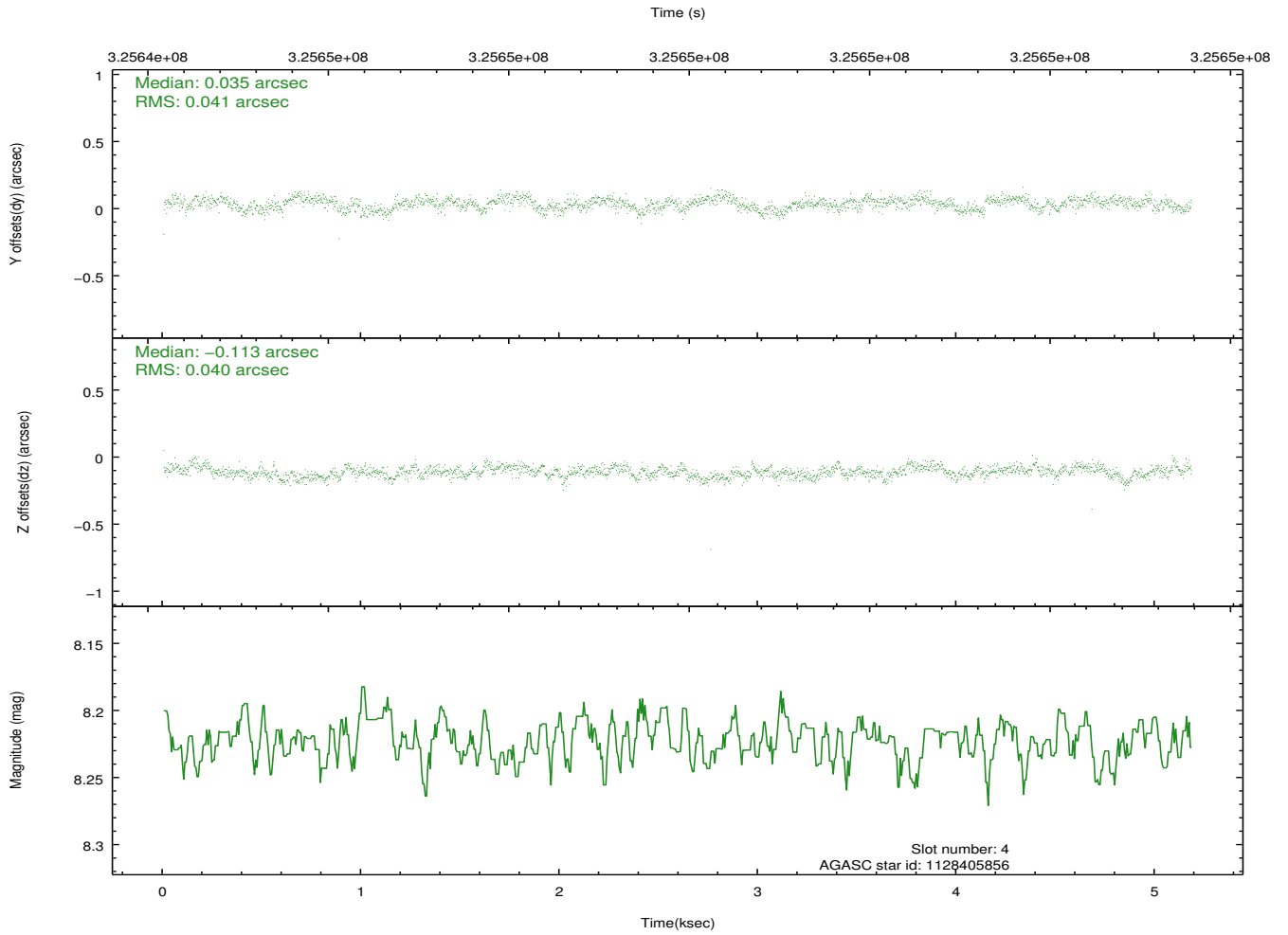
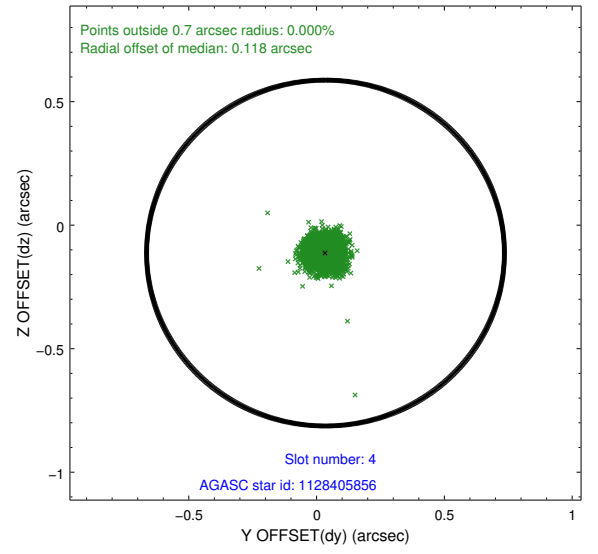
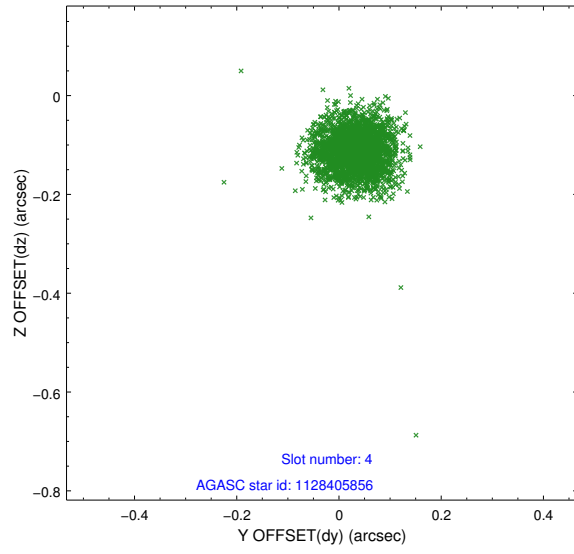
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	1264	0.022	0.029	0.006	0.012	0.000000	0.000000	926.13	-837.45
1	FID	ACIS-I-5	7.01	1264	-0.199	0.037	0.006	0.012	0.000000	0.000000	-1821.58	1059.43
2	FID	ACIS-I-6	7.02	1264	0.086	0.005	0.006	0.011	0.000000	0.000000	390.43	1705.25
3	GUIDE	1128275192	7.46	2526	0.054	0.071	0.042	0.070	155.146895	-57.766309	-1368.22	-1980.15
4	GUIDE	1128405856	8.22	2522	0.035	-0.113	0.060	0.095	157.227043	-58.055525	978.39	1395.22
5	GUIDE	1128407728	7.36	2526	-0.083	-0.074	0.062	0.112	157.011911	-57.198462	-2050.88	2111.52
6	GUIDE	1128273656	7.63	2528	-0.195	-0.006	0.056	0.089	154.969776	-57.507105	-2362.80	-1995.14
7	GUIDE	1128797648	8.28	2525	0.184	0.124	0.061	0.096	156.581066	-58.327740	1460.32	-97.96

2.4 Star Slots

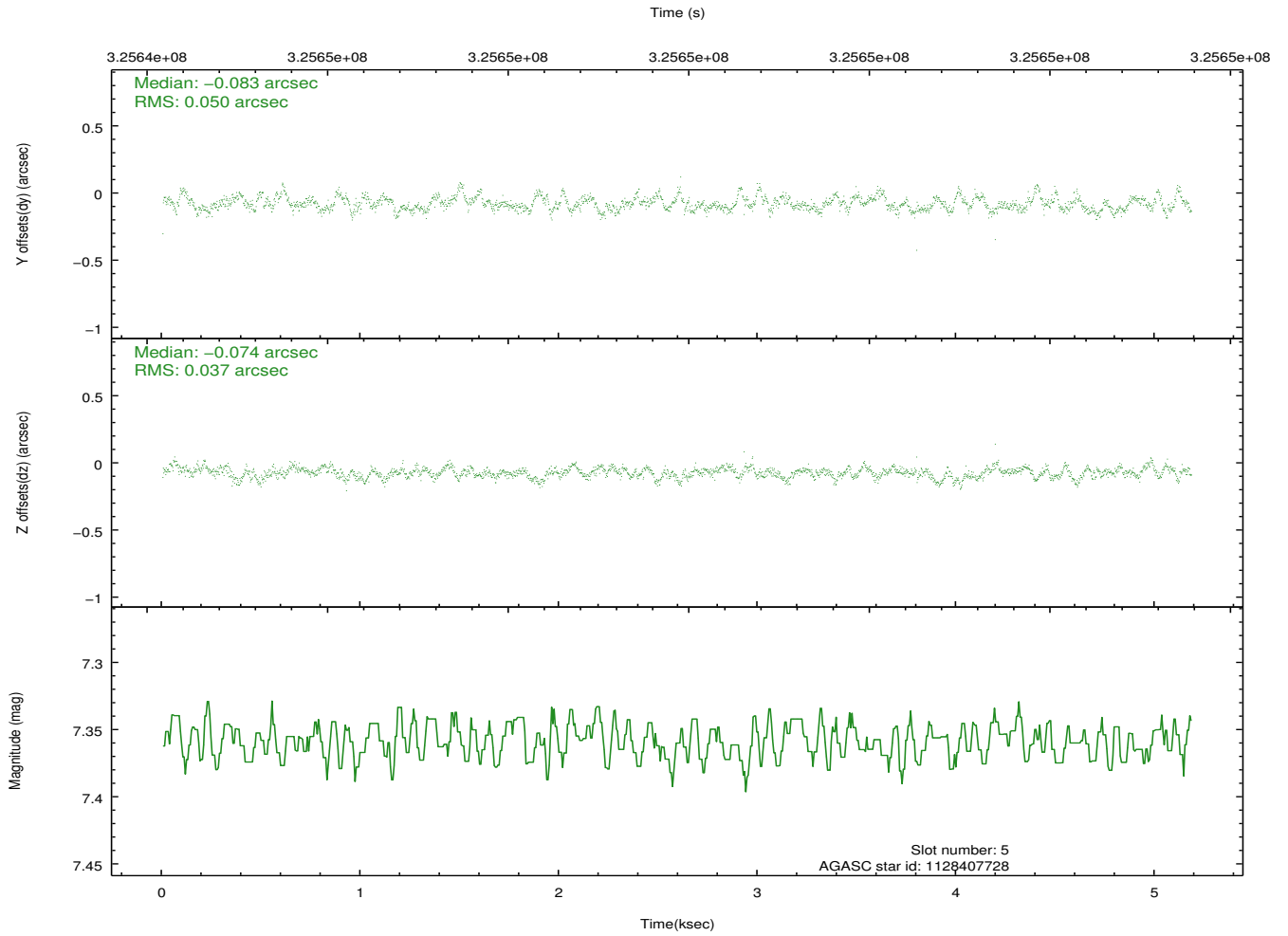
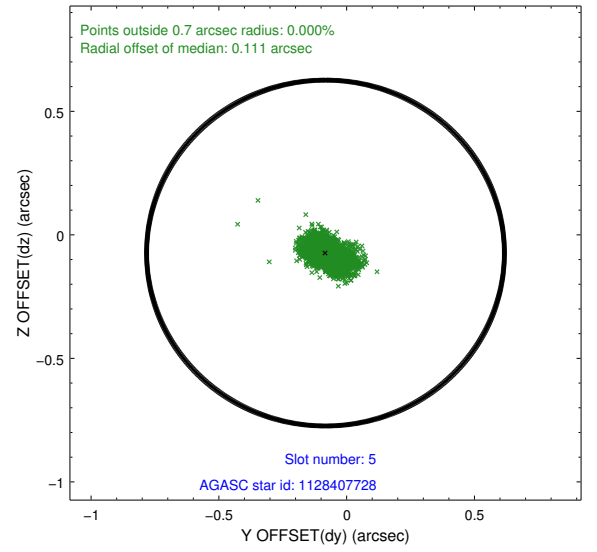
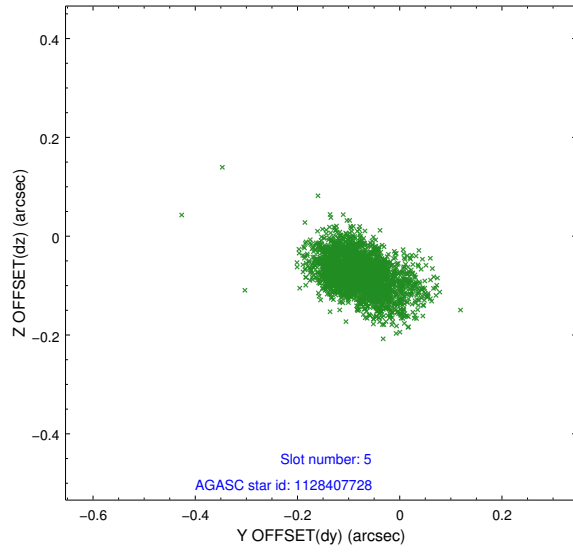
2.4.1 Slot 3



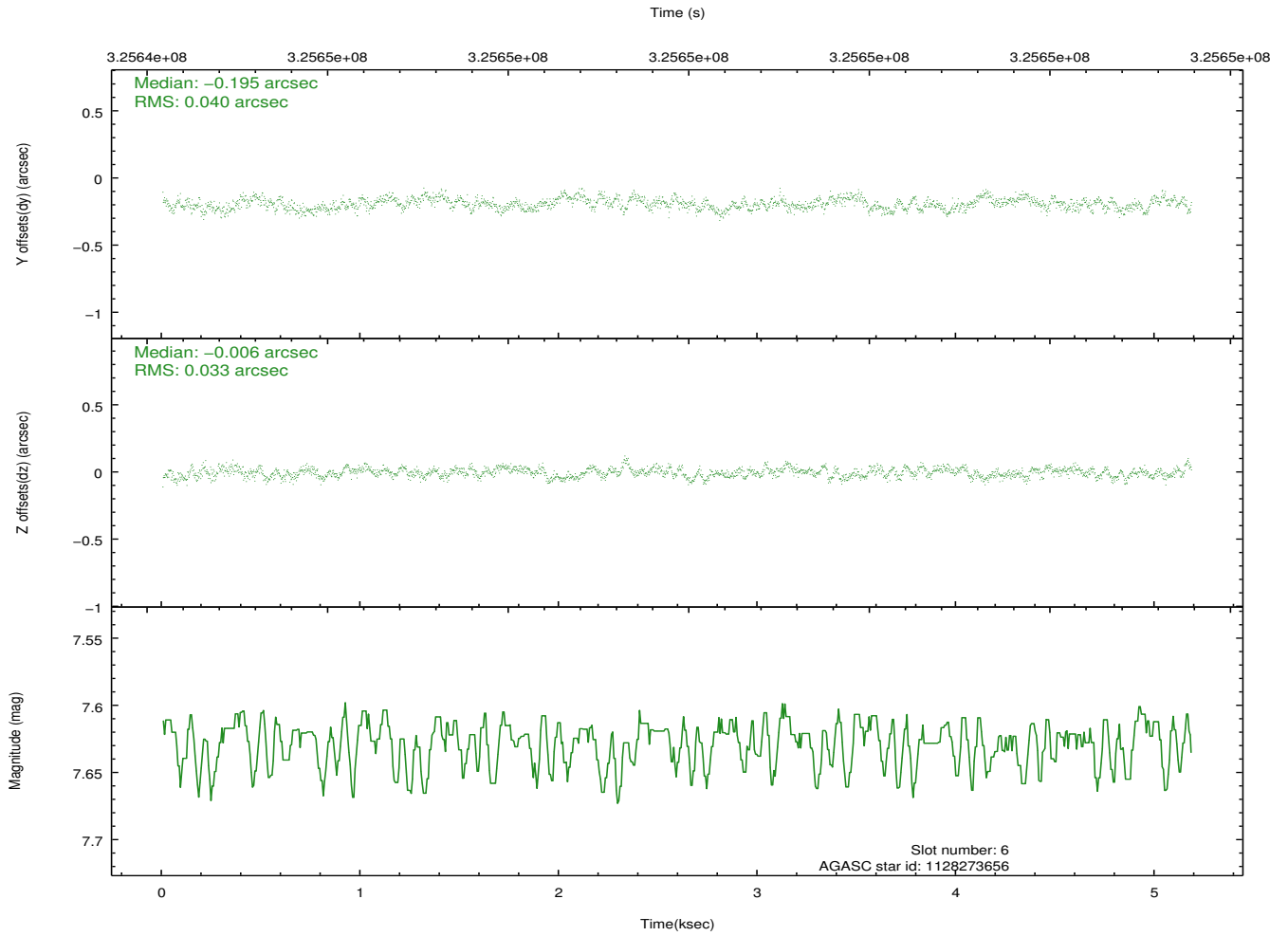
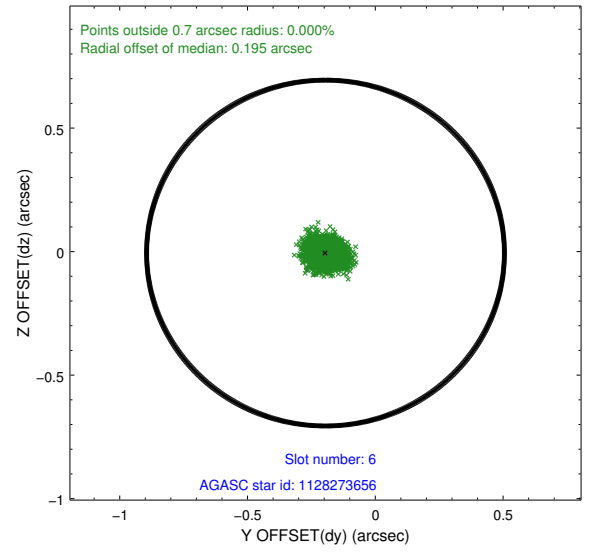
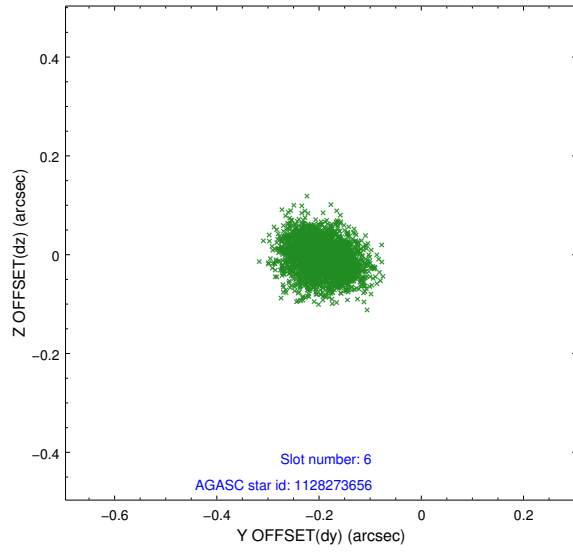
2.4.2 Slot 4



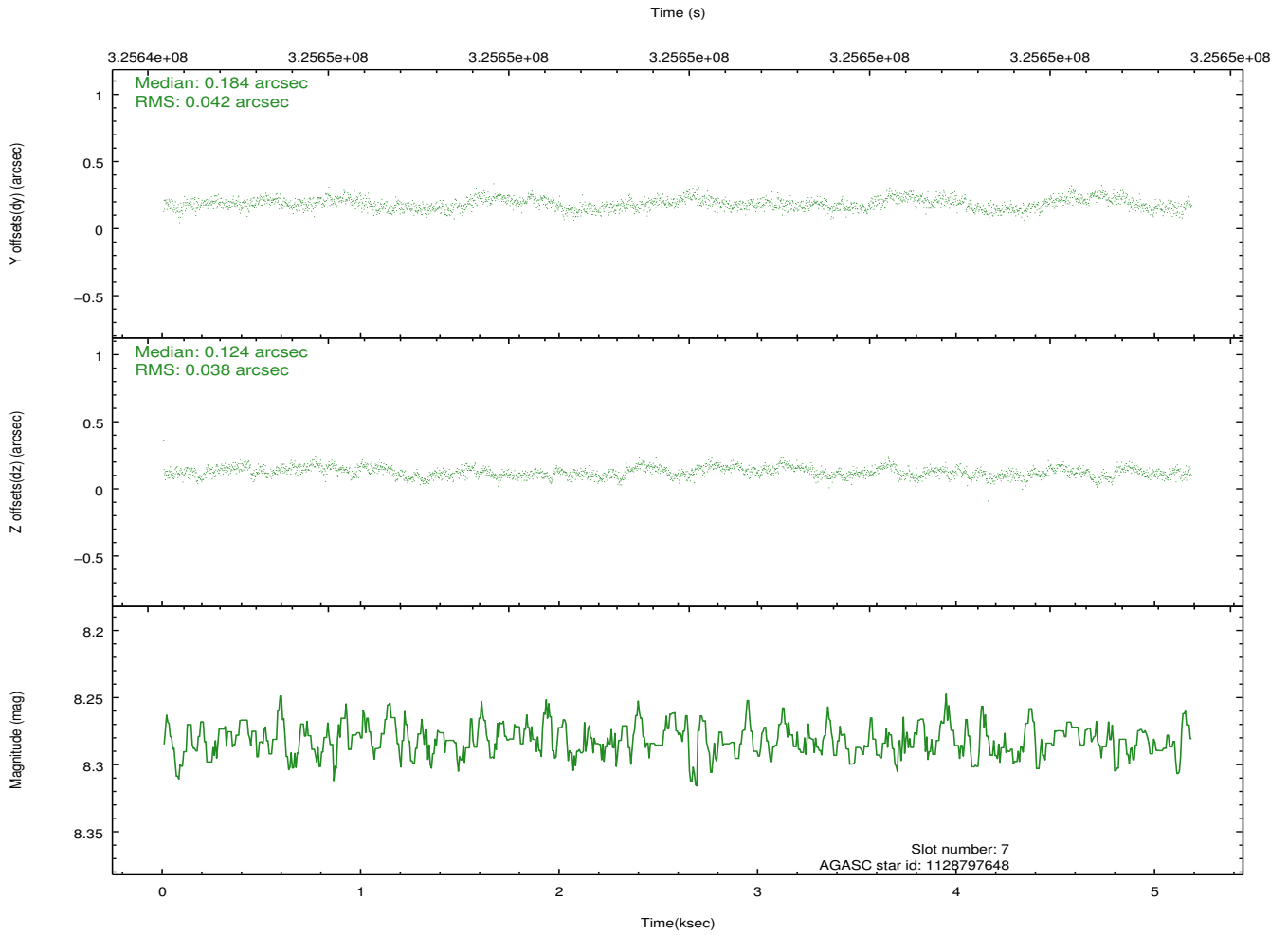
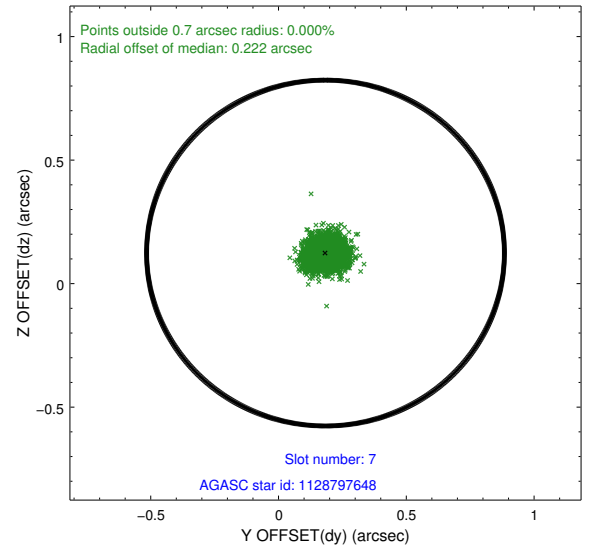
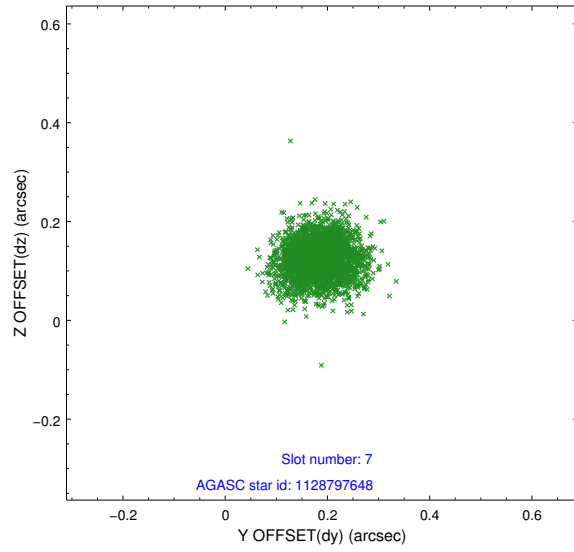
2.4.3 Slot 5



2.4.4 Slot 6

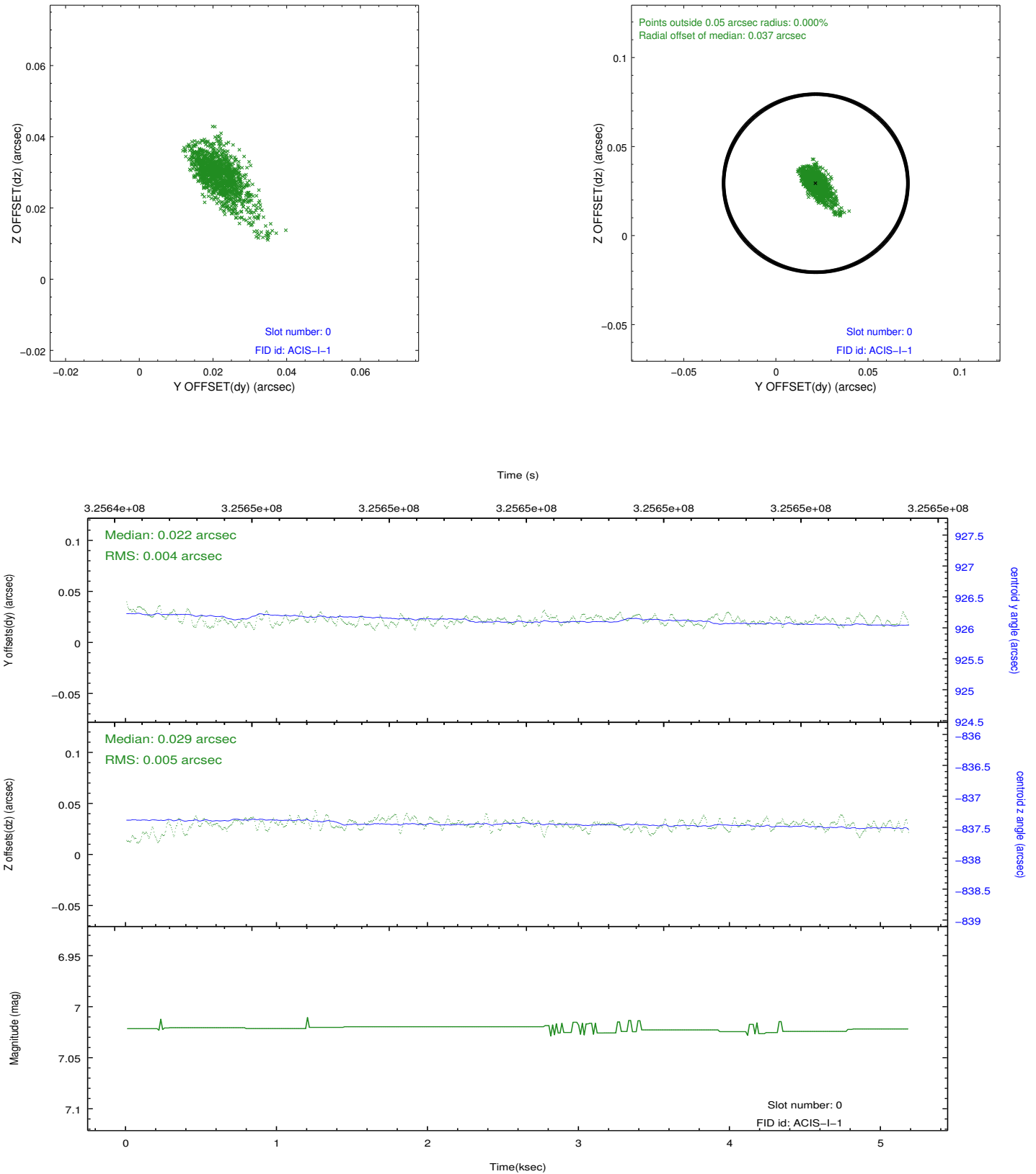


2.4.5 Slot 7

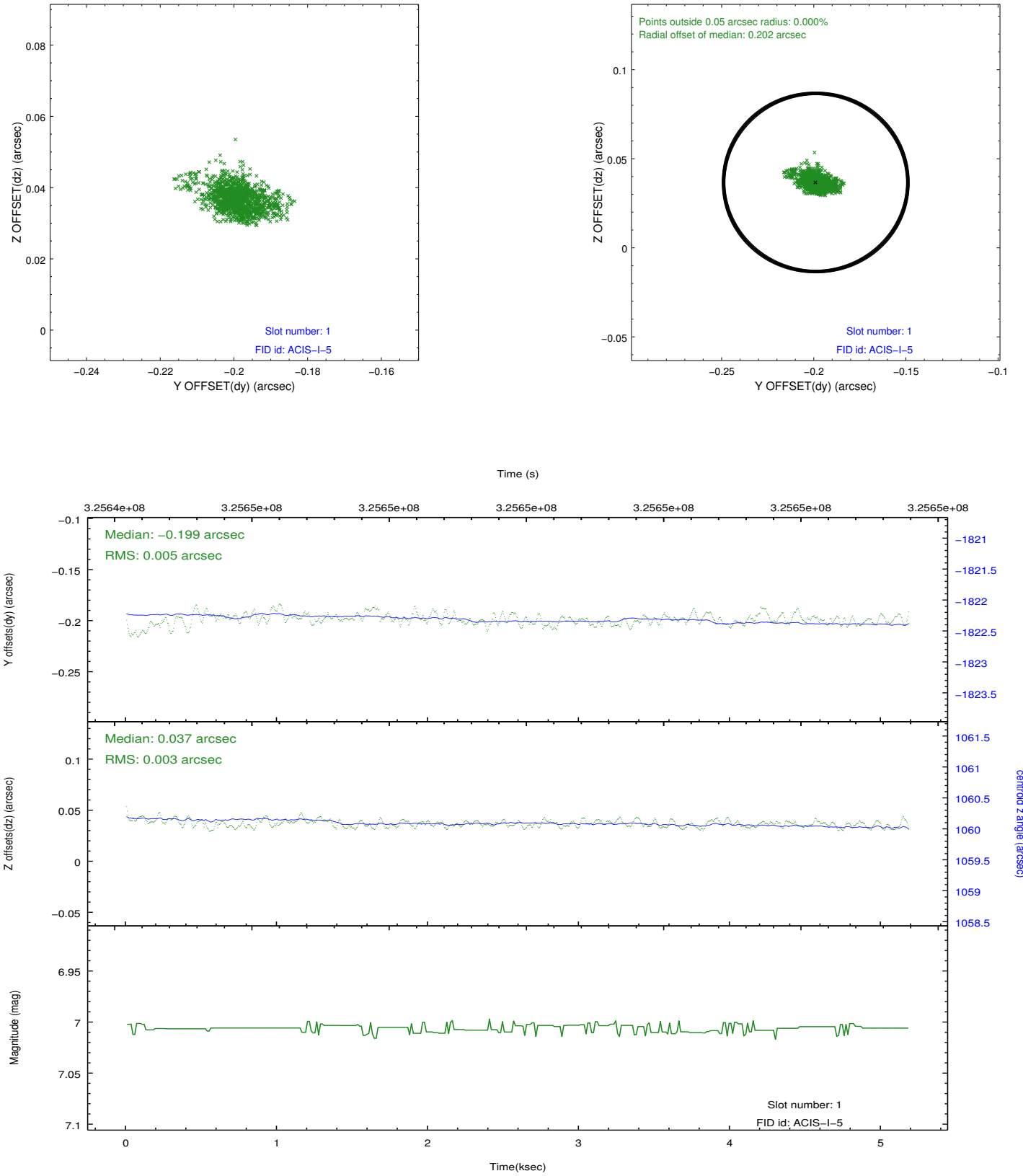


2.5 FID Slots

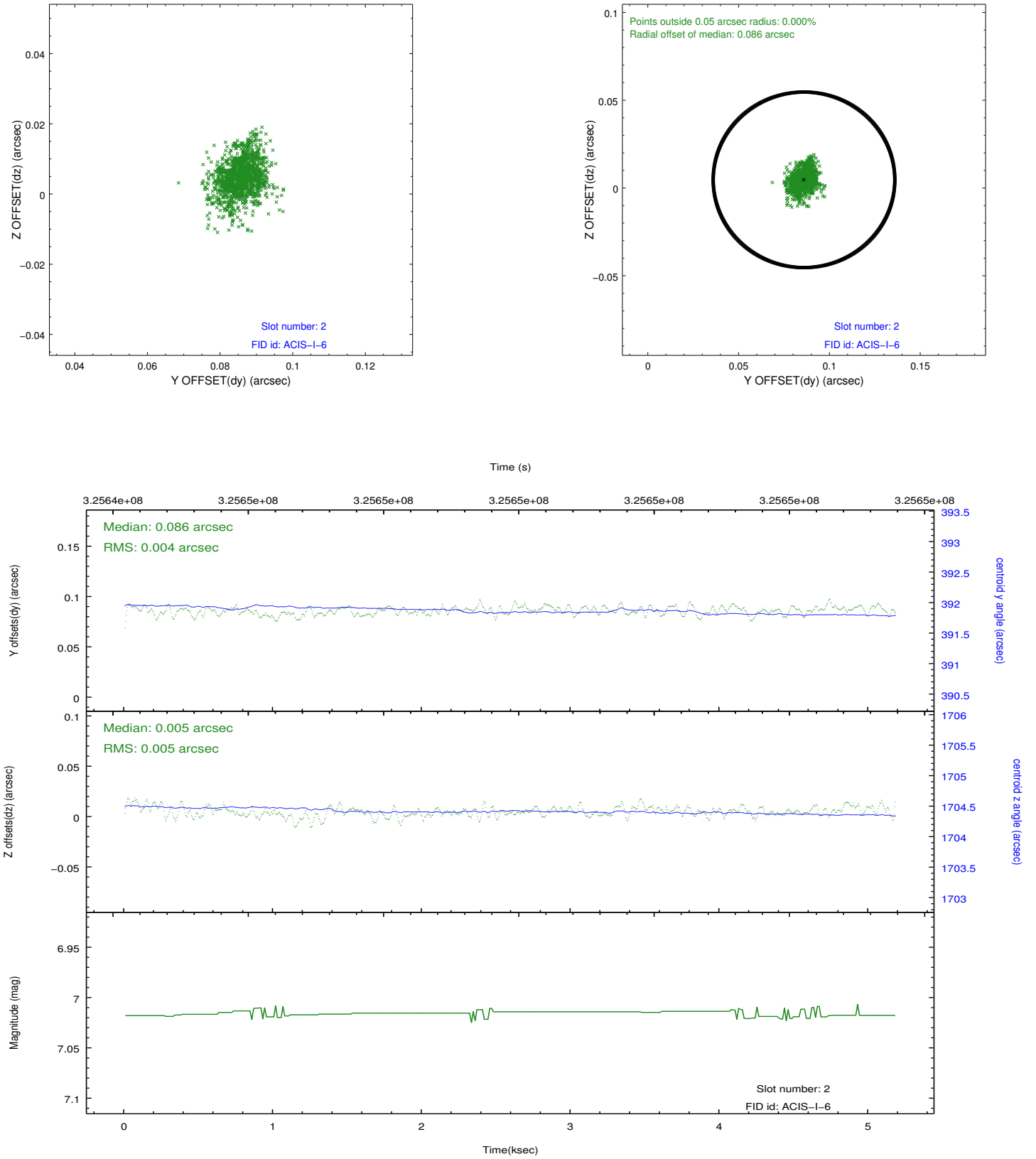
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75519998

A.2 Comments