

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2955 - L2 Version 3
Chandra X-Ray Center

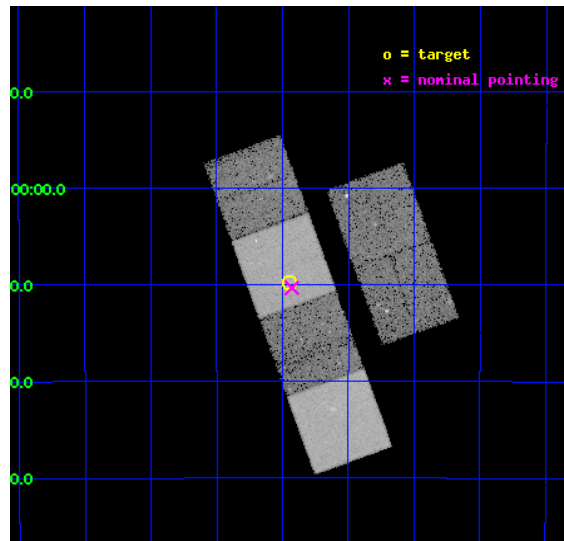
L2 Processing Date : Oct 9 2012

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

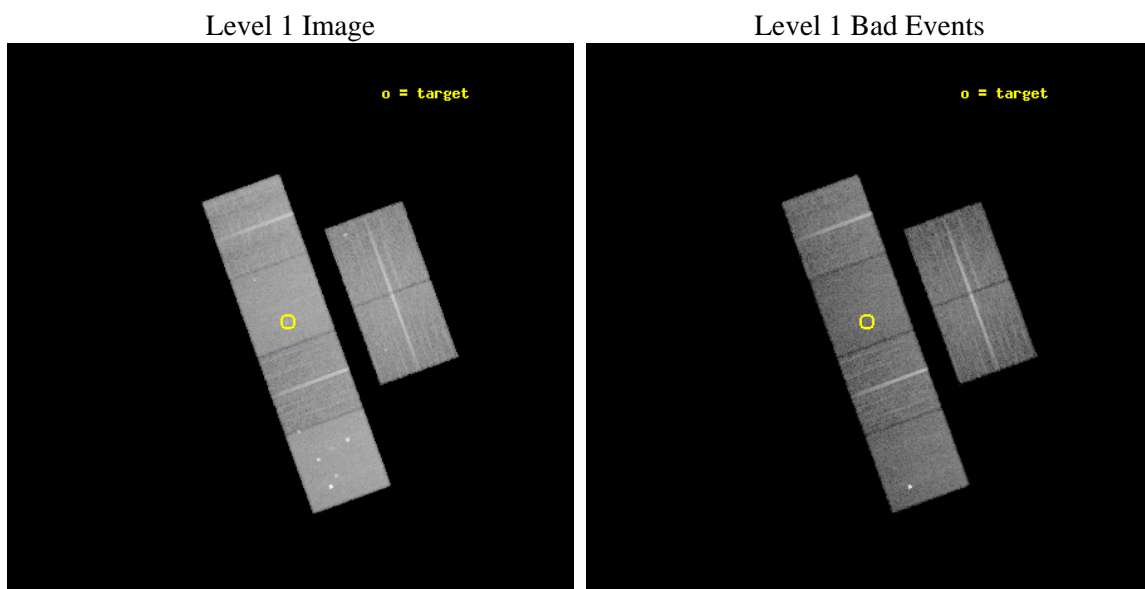
seq_num	600292	Sequence number
obs_id	2955	Observation id
title	THE HALPHA - X-RAY CONNECTION IN DWARF STARBURST GALAXIES.	Proposa
observer	DR IAN STEVENS	Principal investigator
object	NGC 3955	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.4875	Observer's specified target RA [deg]
dec_targ	-23.163889	Observer's specified target Dec [deg]
ra_nom	178.4822132493	Nominal RA [deg]
dec_nom	-23.172277297884	Nominal Dec [deg]
roll_nom	250.05096365949	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19958.399925649	Sum of GTIs [s]
livetime	19705.674648285	Livetime [s]
ontime2	19958.399925649	Sum of GTIs [s]
ontime3	19955.158955395	Sum of GTIs [s]
ontime5	19958.399925649	Sum of GTIs [s]
ontime6	19958.399925649	Sum of GTIs [s]
ontime7	19958.399925649	Sum of GTIs [s]
ontime8	19958.399925649	Sum of GTIs [s]
l2events	199336	Number of level 2 events



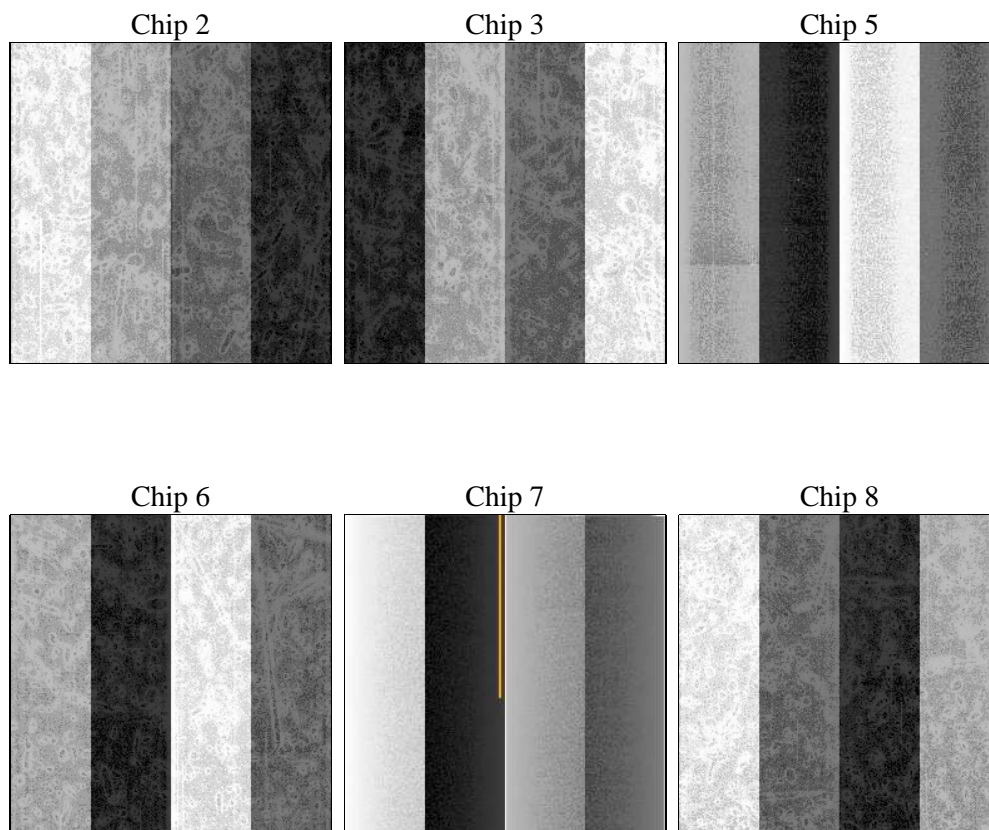
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19958.399925649	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	19958.399925649	Sum of GTIs [s]
date	2012-10-09T04:33:00	Date and time of file creation	ontime3	19955.158955395	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	19958.399925649	Sum of GTIs [s]
			ontime6	19958.399925649	Sum of GTIs [s]
			ontime7	19958.399925649	Sum of GTIs [s]
			ontime8	19958.399925649	Sum of GTIs [s]
			l1events	900141	Number of level 1 events

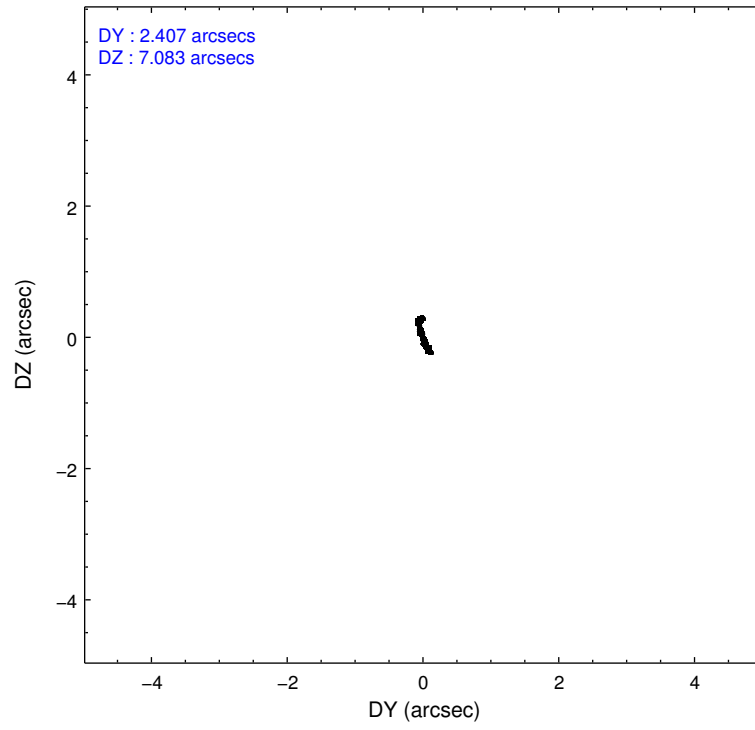
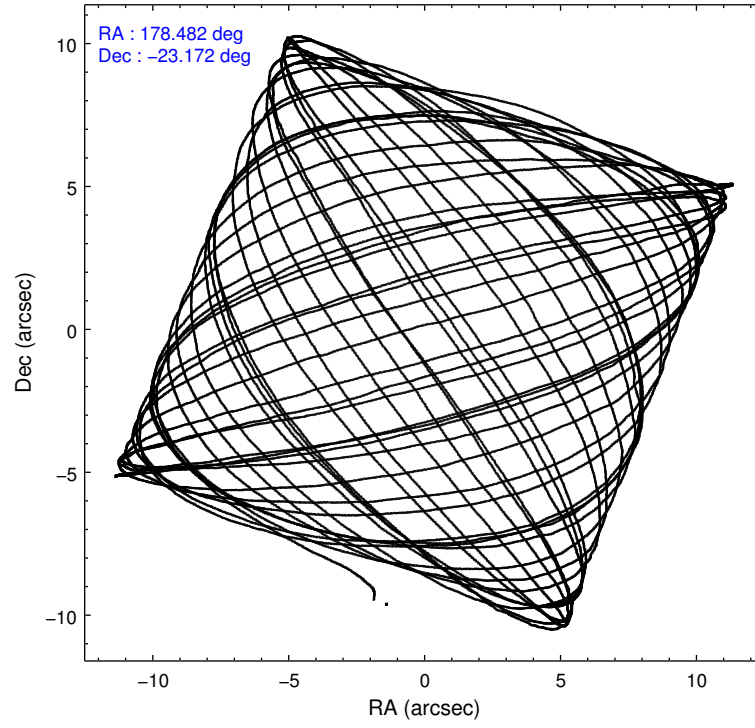
2.1.4 Events

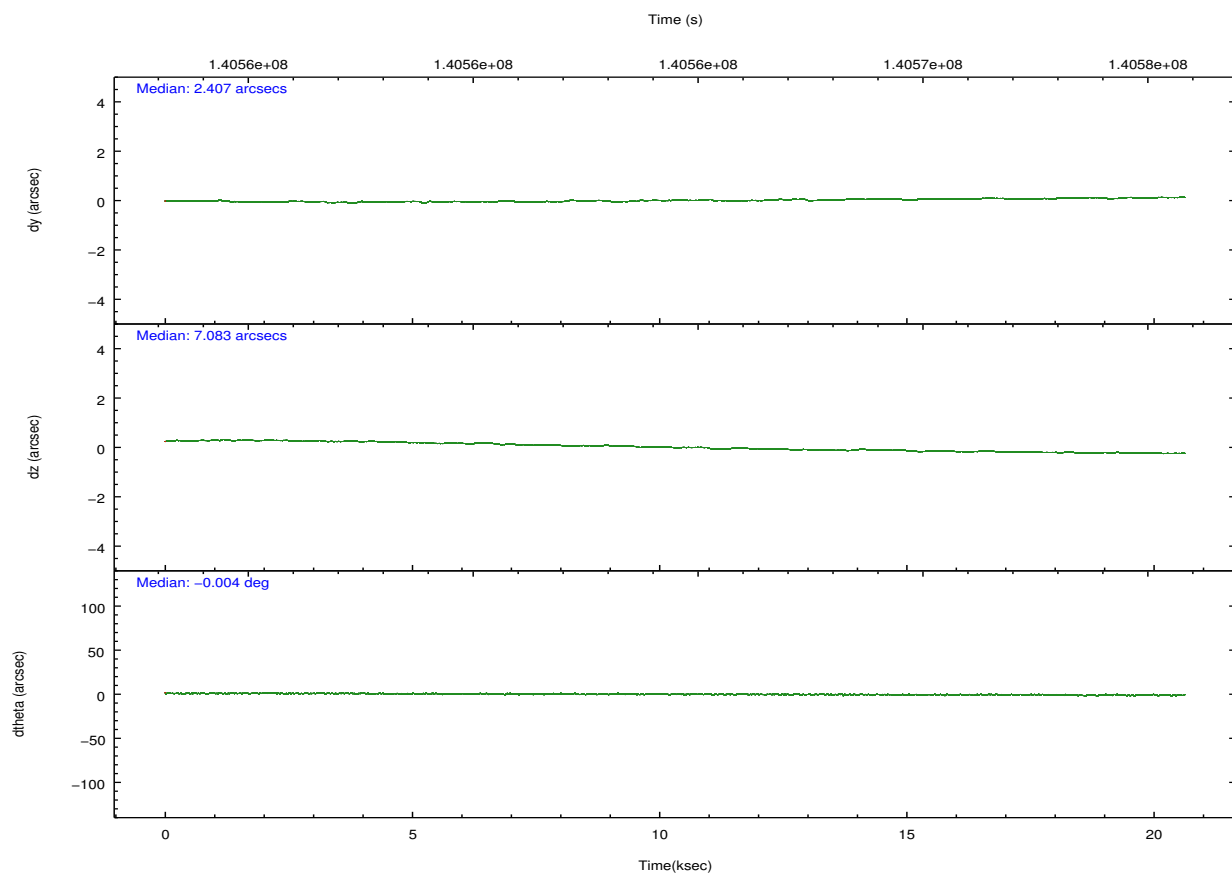
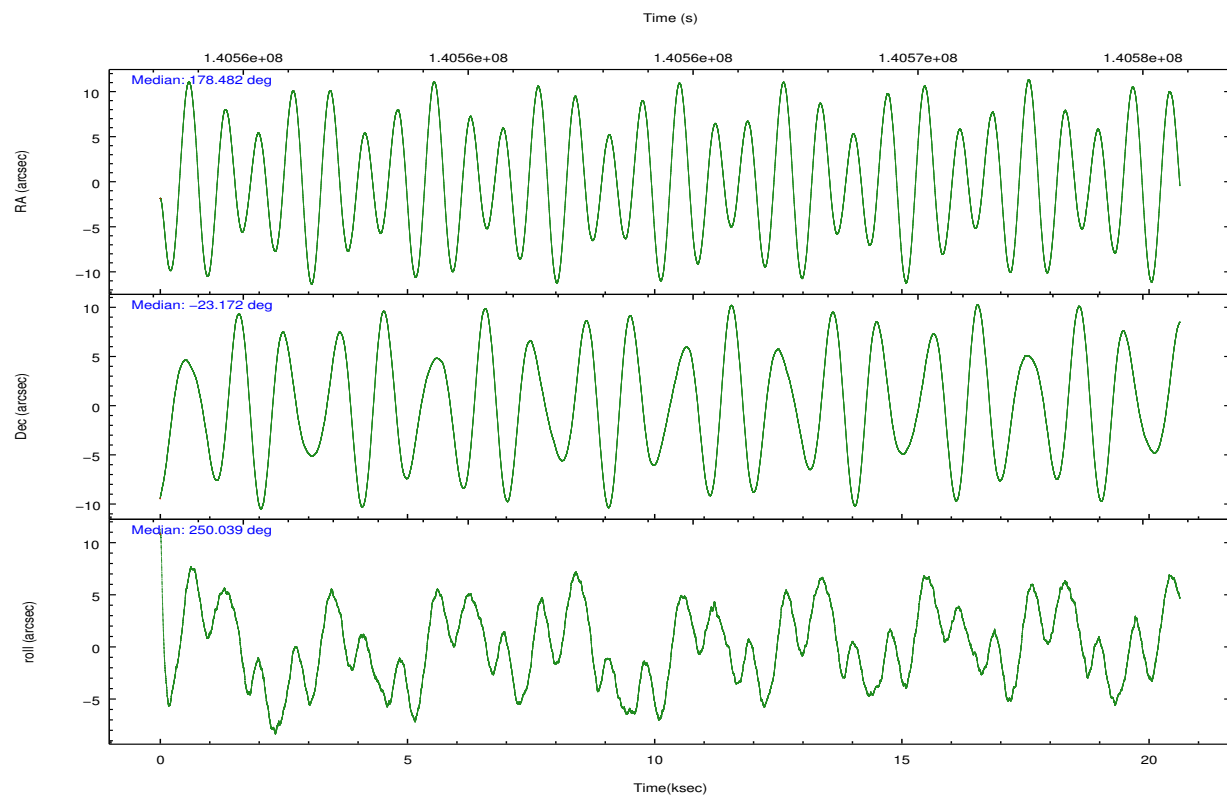
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	131511	125396	190443	125243	168246	159302	grade 0 events	6475	6450	11014	6137	6906	10249
rejected events	116430	110609	103652	110165	98393	126572		4%	5%	5%	4%	4%	6%
rejected %	88%	88%	54%	87%	58%	79%	grade 1 events	58	63	268	49	155	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	3312	2957	25587	3100	13624	7220
								2%	2%	13%	2%	8%	4%
							grade 3 events	1348	1375	3441	1475	6243	3432
								1%	1%	1%	1%	3%	2%
							grade 4 events	1264	1406	3225	1443	6212	3253
								0%	1%	1%	1%	3%	2%
							grade 5 events	4661	5209	13934	5507	16178	7115
								3%	4%	7%	4%	9%	4%
							grade 6 events	2687	2605	43554	2926	36892	8586
								2%	2%	22%	2%	21%	5%
							grade 7 events	111706	105331	89420	104606	82036	119366
								84%	83%	46%	83%	48%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	178.476670	178.4822132493036	Subarray requested	NONE	NONE
[deg] Pointing Dec	-23.145511	-23.17227729788363	Alternating exposures requested	N	N
[deg] Pointing Roll	249.892153	250.0509636594871	[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)	140554800.184000	140553626.70509			
Observation start date	2002-06-15T18:58:56	2002-06-15T18:40:26			
[s] Observation end time (MET)	140574800.184000	140575230.11848			
Observation end date	2002-06-16T00:32:16	2002-06-16T00:40:30			
Read mode	TIMED	TIMED			

2.3 Aspect



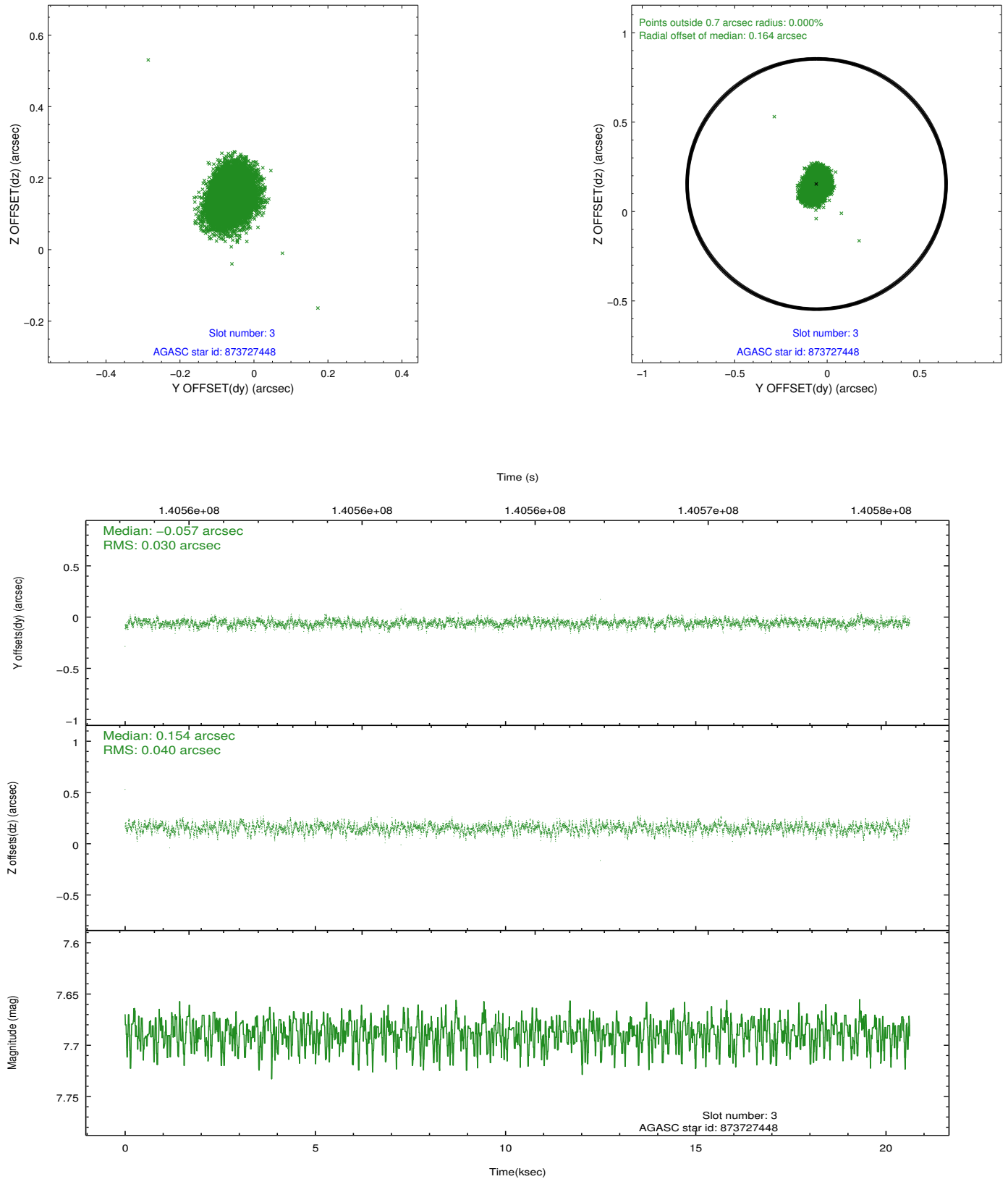


Slot Statistics

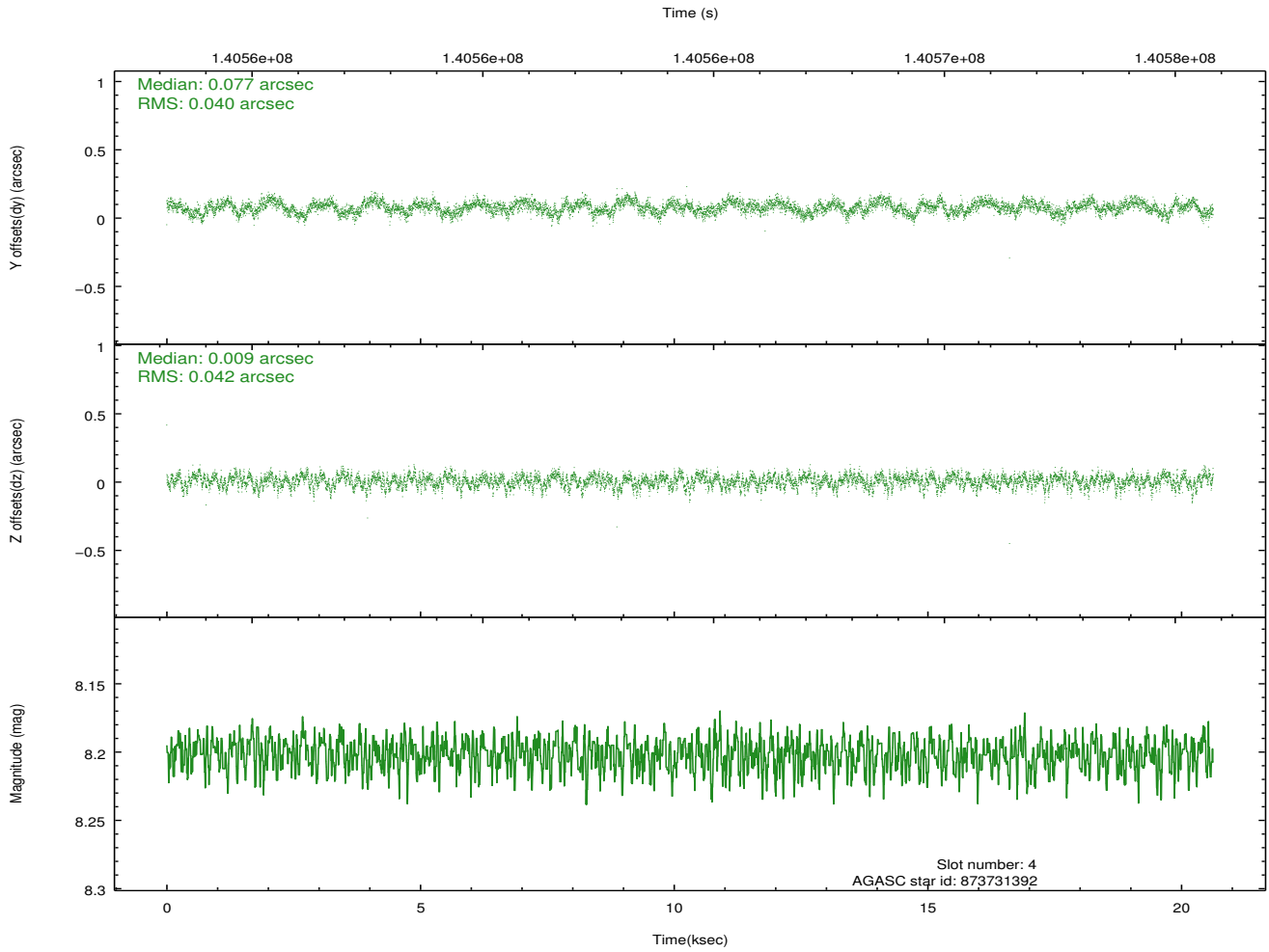
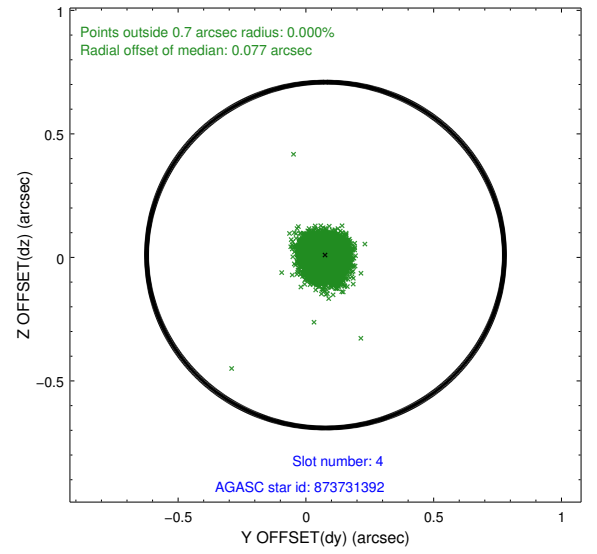
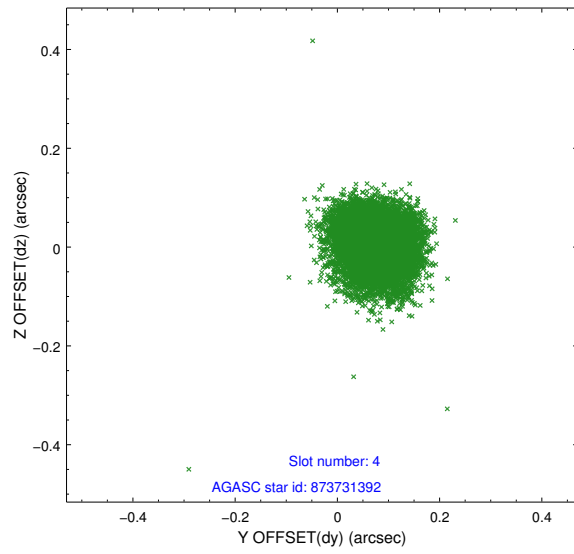
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5032	-0.017	0.015	0.008	0.013	0.000000	0.000000	-755.05	-1728.26
1	FID	ACIS-S-4	7.20	5030	-0.044	0.004	0.007	0.013	0.000000	0.000000	2158.11	180.04
2	FID	ACIS-S-5	7.24	5029	0.030	-0.010	0.007	0.012	0.000000	0.000000	-1807.63	173.89
3	GUIDE	873727448	7.69	10058	-0.057	0.154	0.053	0.088	178.883134	-23.450817	571.24	1640.15
4	GUIDE	873731392	8.20	10059	0.077	0.009	0.062	0.099	178.700899	-23.550160	1113.22	1197.18
5	GUIDE	873602840	8.32	10060	0.134	-0.159	0.082	0.129	177.657389	-23.482583	2076.80	-2119.15
6	GUIDE	873600448	9.12	10059	-0.065	-0.084	0.090	0.144	177.709964	-23.235756	1183.17	-2266.96
7	GUIDE	873726400	9.73	10048	-0.090	0.086	0.114	0.185	178.806064	-23.441443	626.58	1389.17

2.4 Star Slots

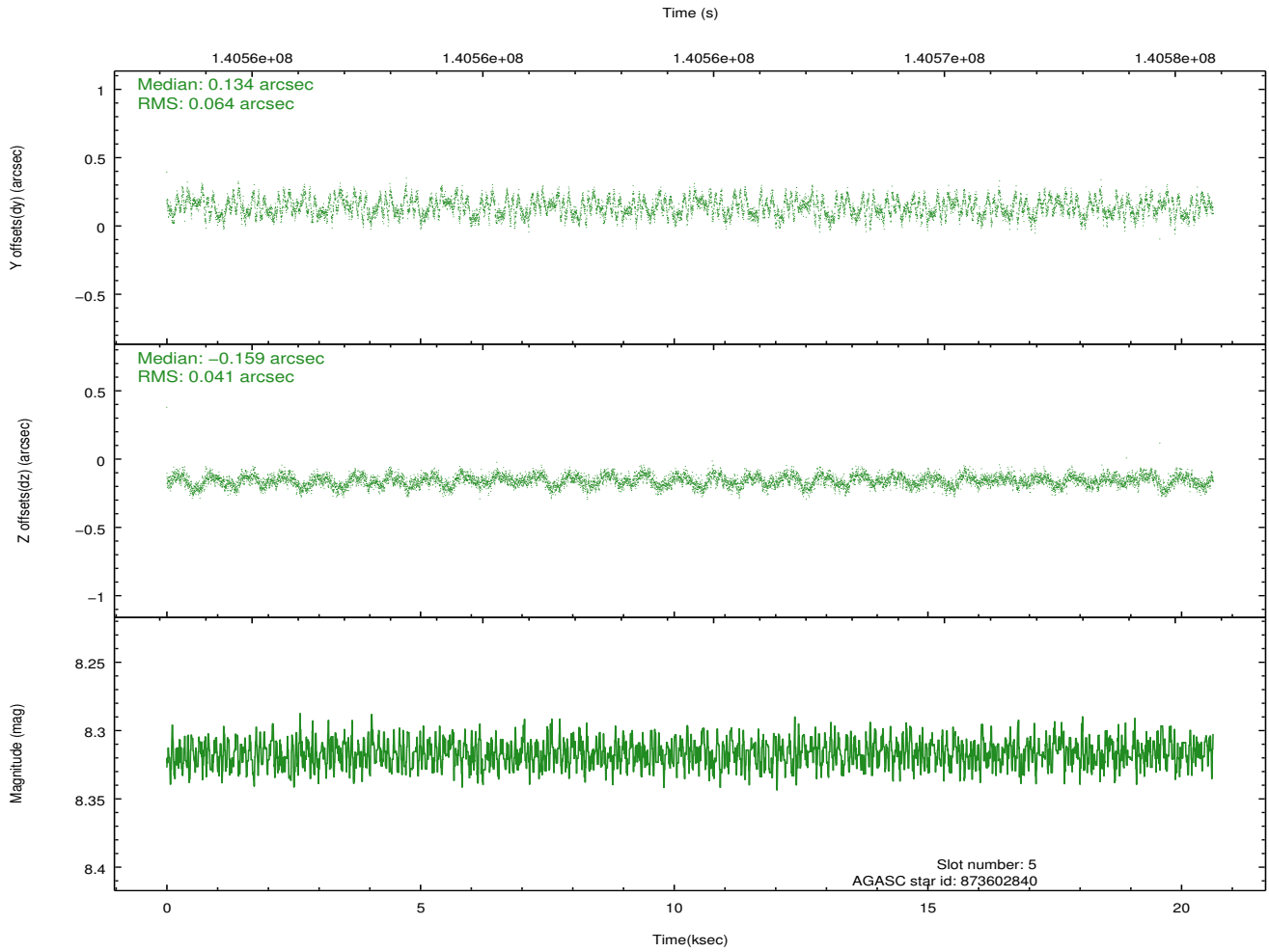
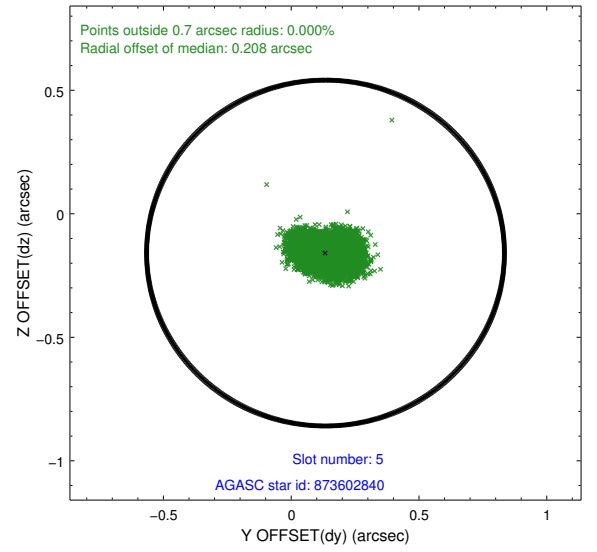
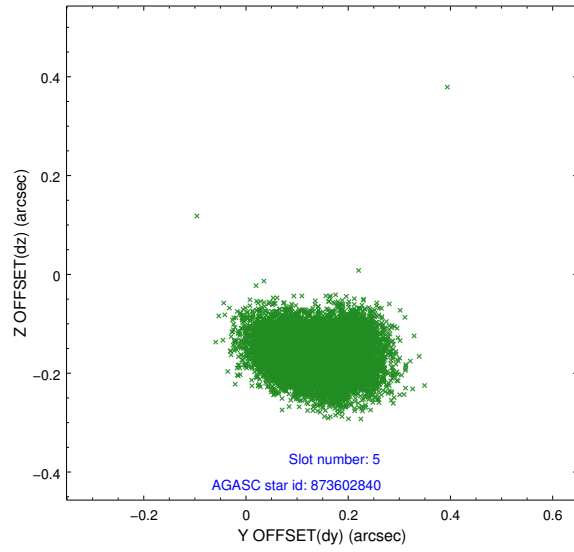
2.4.1 Slot 3



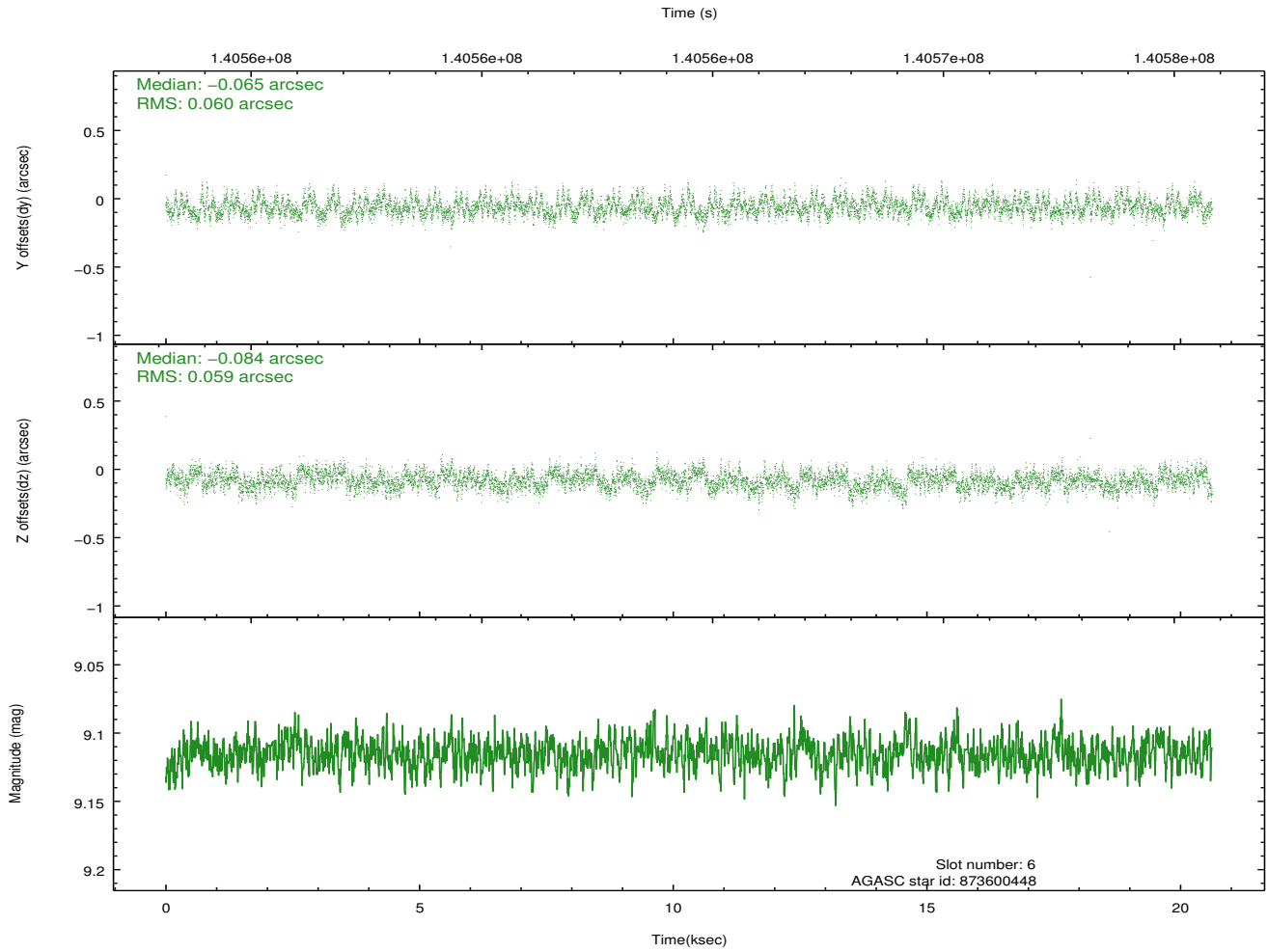
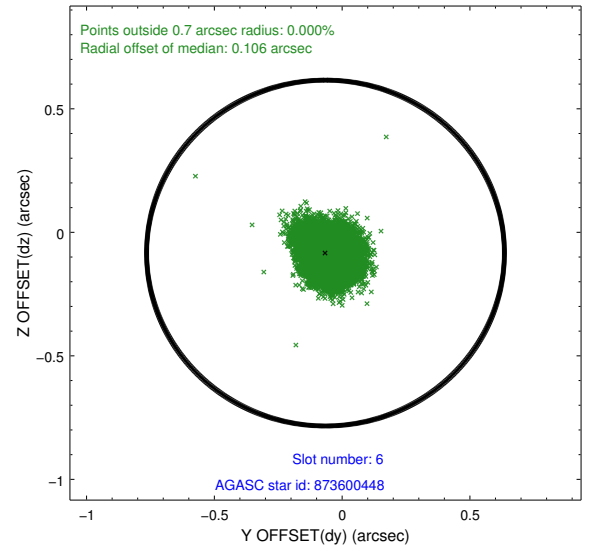
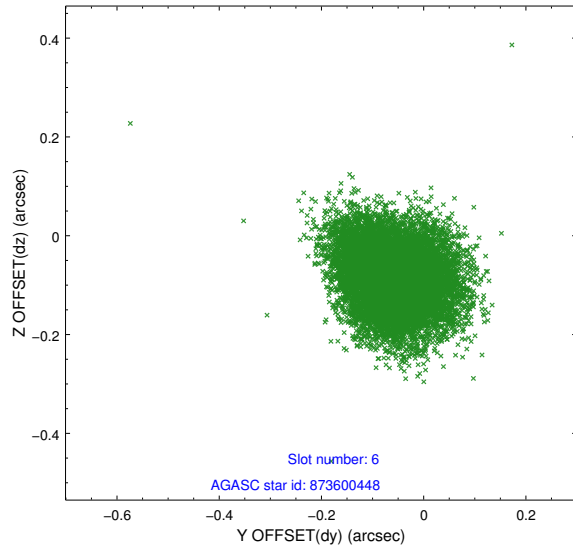
2.4.2 Slot 4



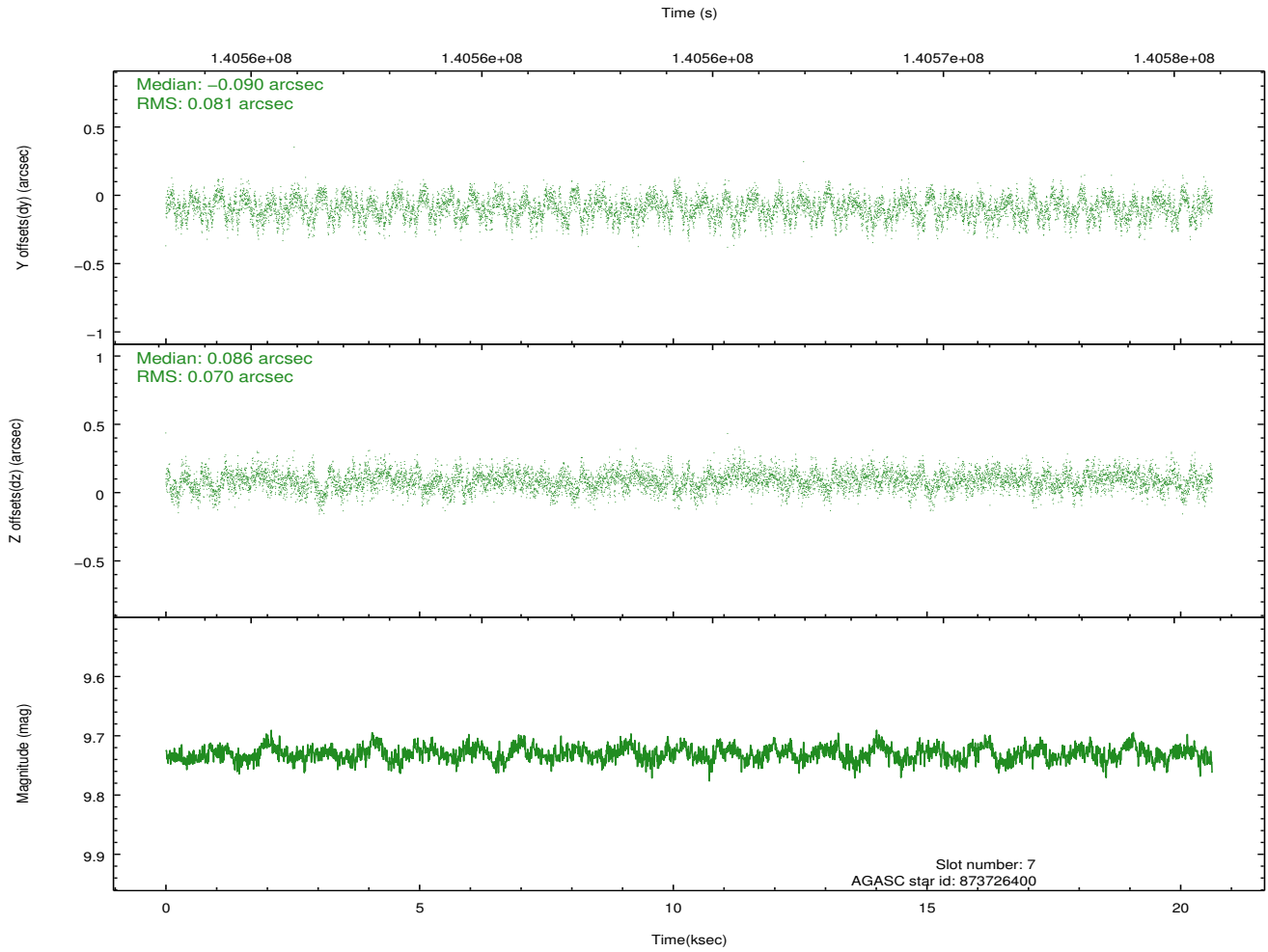
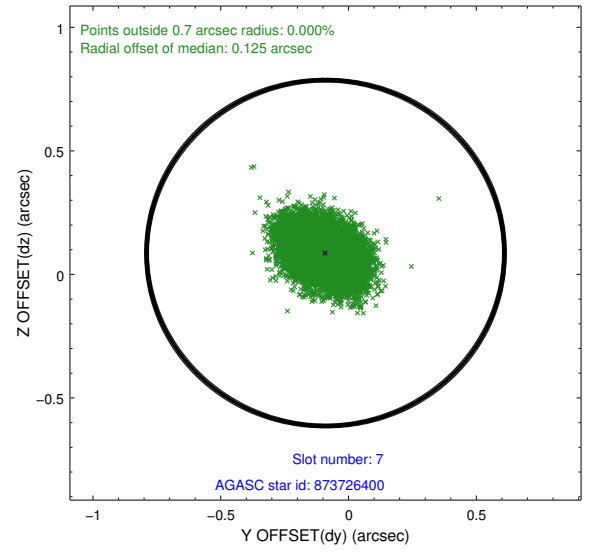
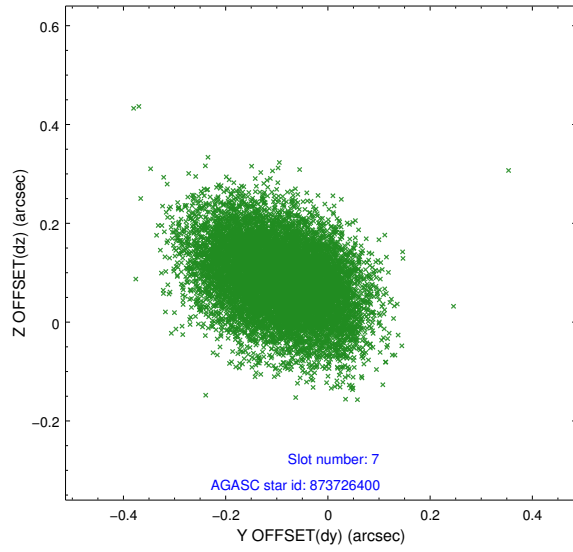
2.4.3 Slot 5



2.4.4 Slot 6

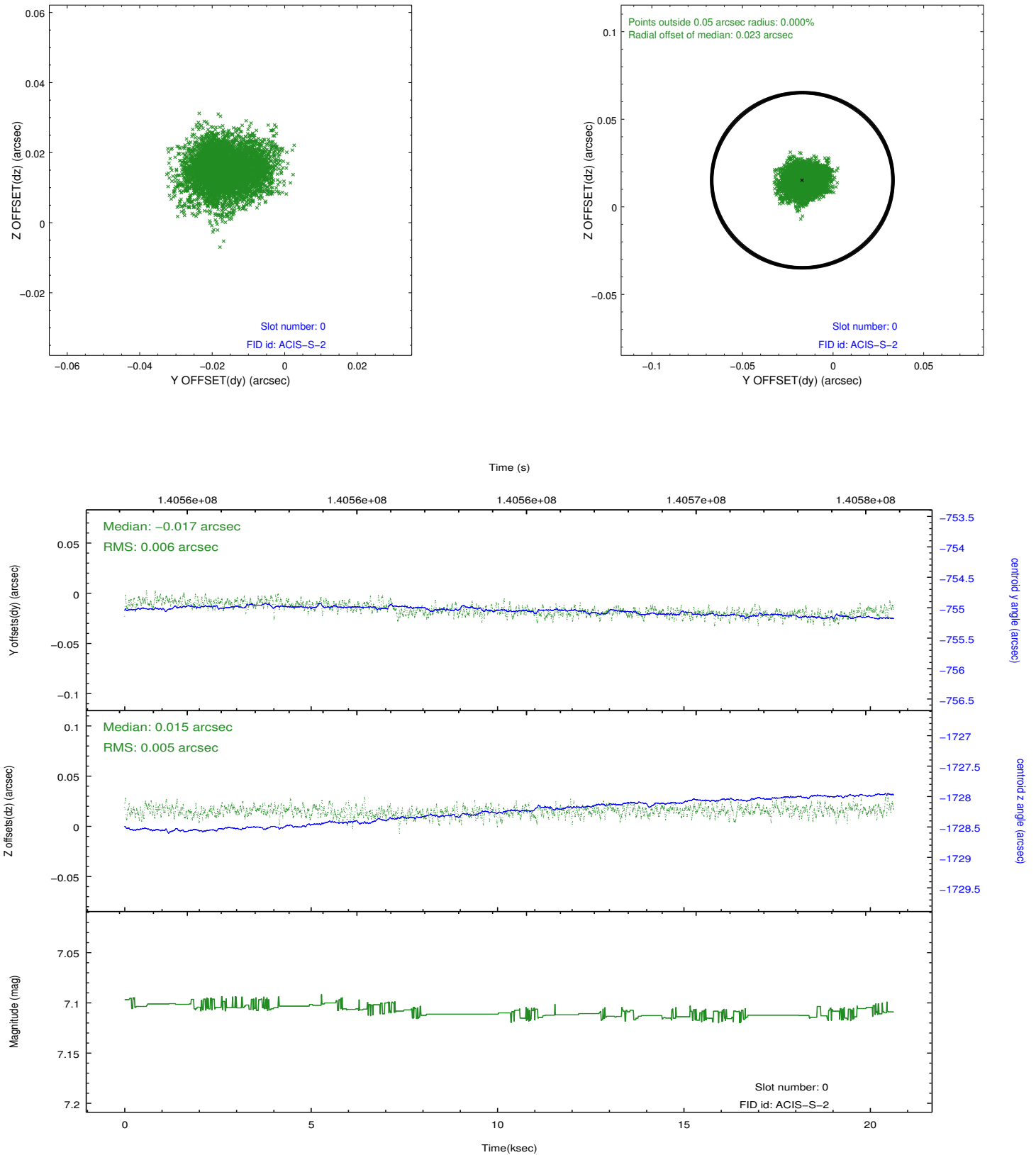


2.4.5 Slot 7

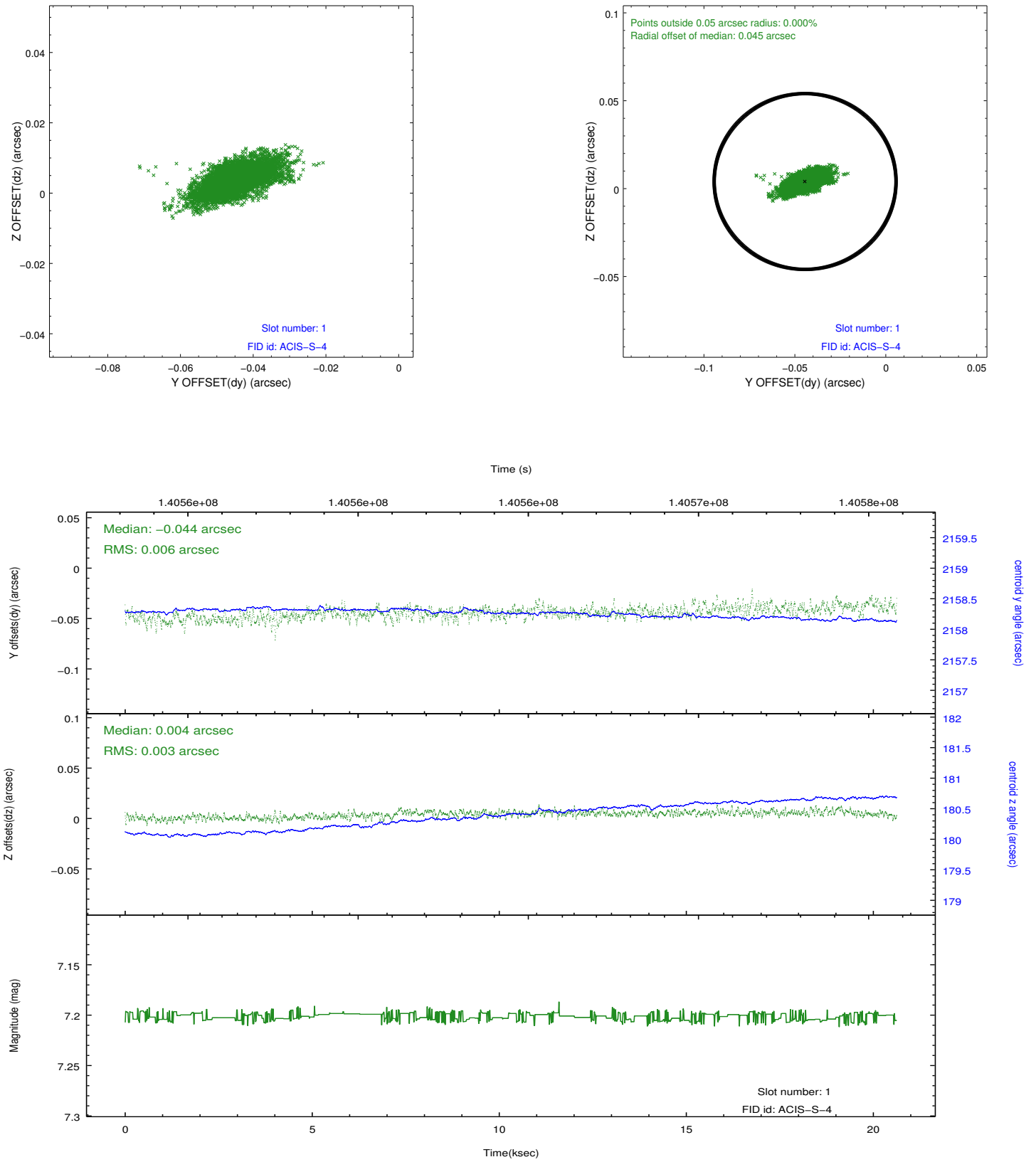


2.5 FID Slots

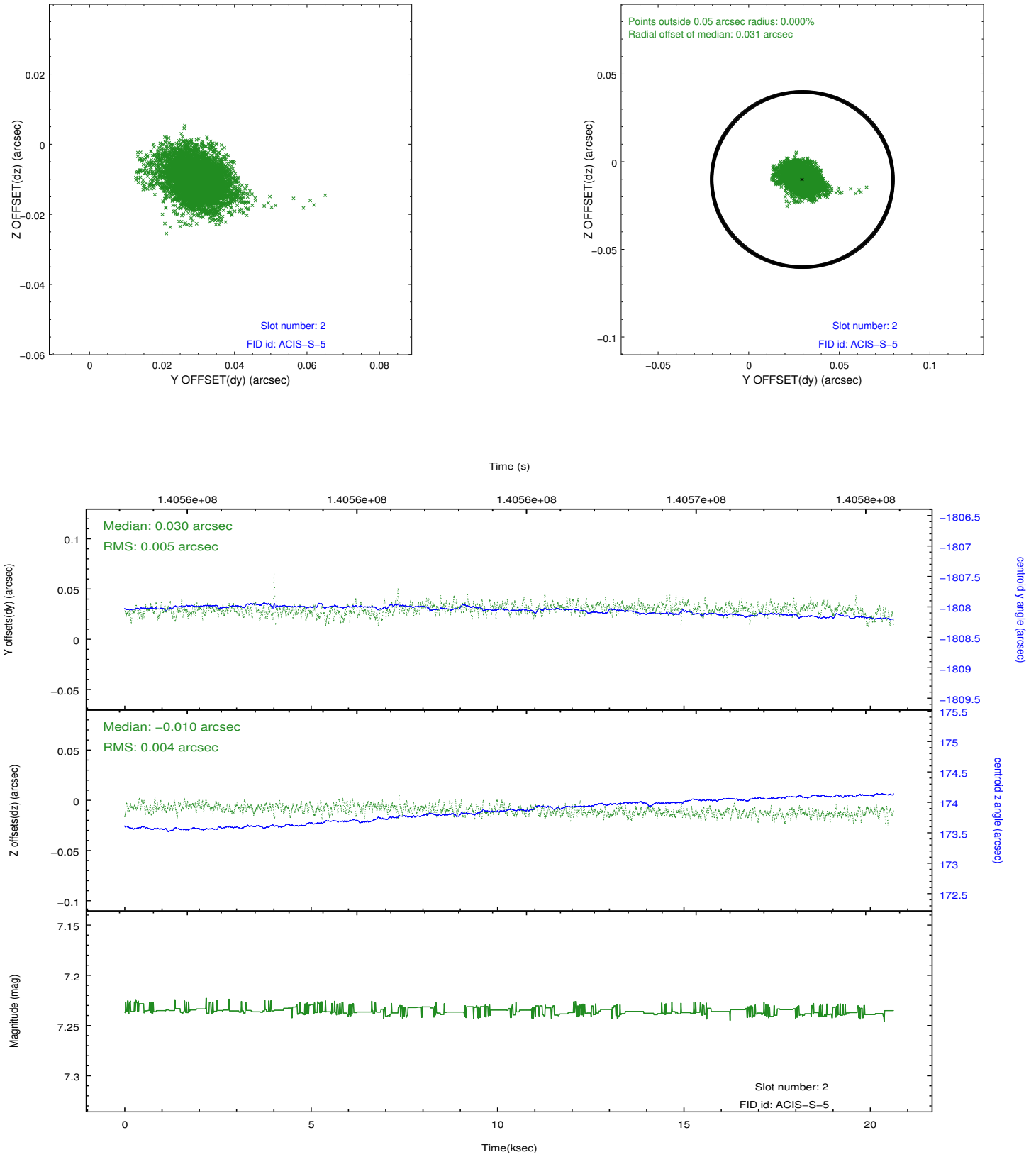
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.961

A.2 Comments