

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9799 - L2 Version 2
Chandra X-Ray Center

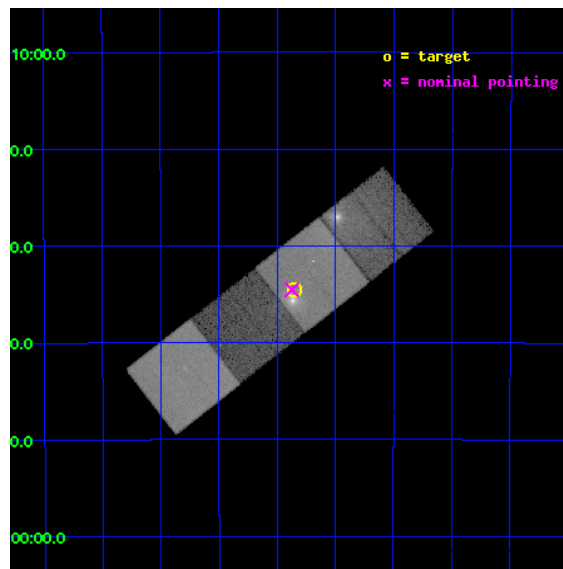
L2 Processing Date : May 6 2012

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

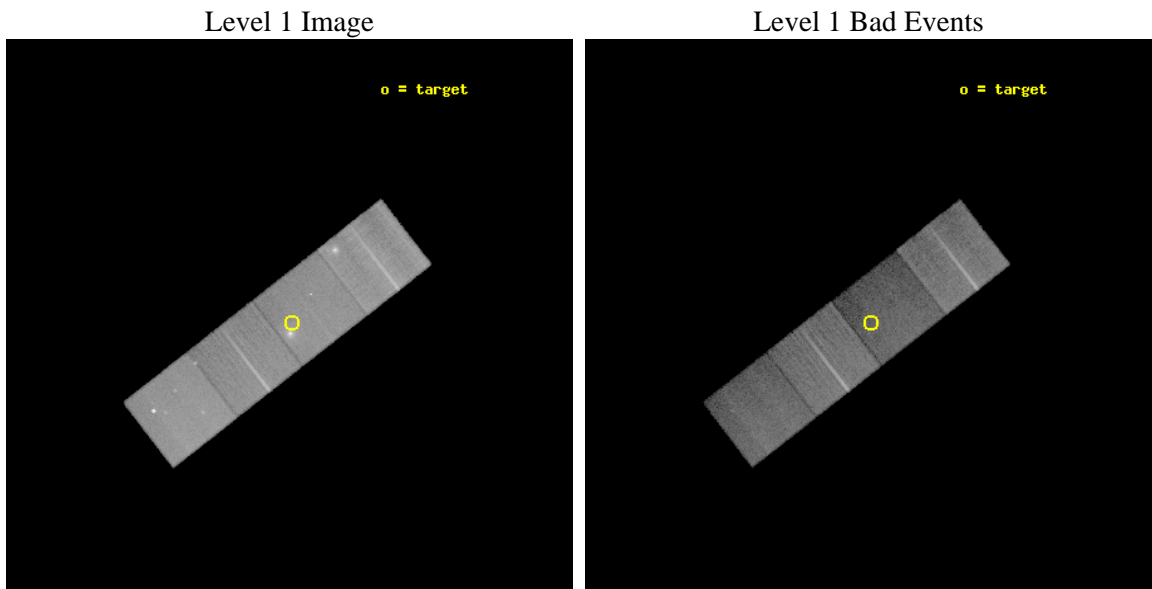
seq_num	501014	Sequence number
obs_id	9799	Observation id
title	Chandra observations of a nearby supernova	Proposal title
observer	Dr Gijs Roelofs	Principal investigator
object	SN2007on	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.7125	Observer's specified target RA [deg]
dec_targ	-35.575278	Observer's specified target Dec [deg]
ra_nom	54.718451060369	Nominal RA [deg]
dec_nom	-35.575808244068	Nominal Dec [deg]
roll_nom	322.05008717008	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21569.800165892	Sum of GTIs [s]
livetime	21287.974847268	Livetime [s]
ontime5	21569.800165892	Sum of GTIs [s]
ontime6	21557.236284614	Sum of GTIs [s]
ontime7	21569.800165892	Sum of GTIs [s]
ontime8	21563.518175483	Sum of GTIs [s]
l2events	266699	Number of level 2 events



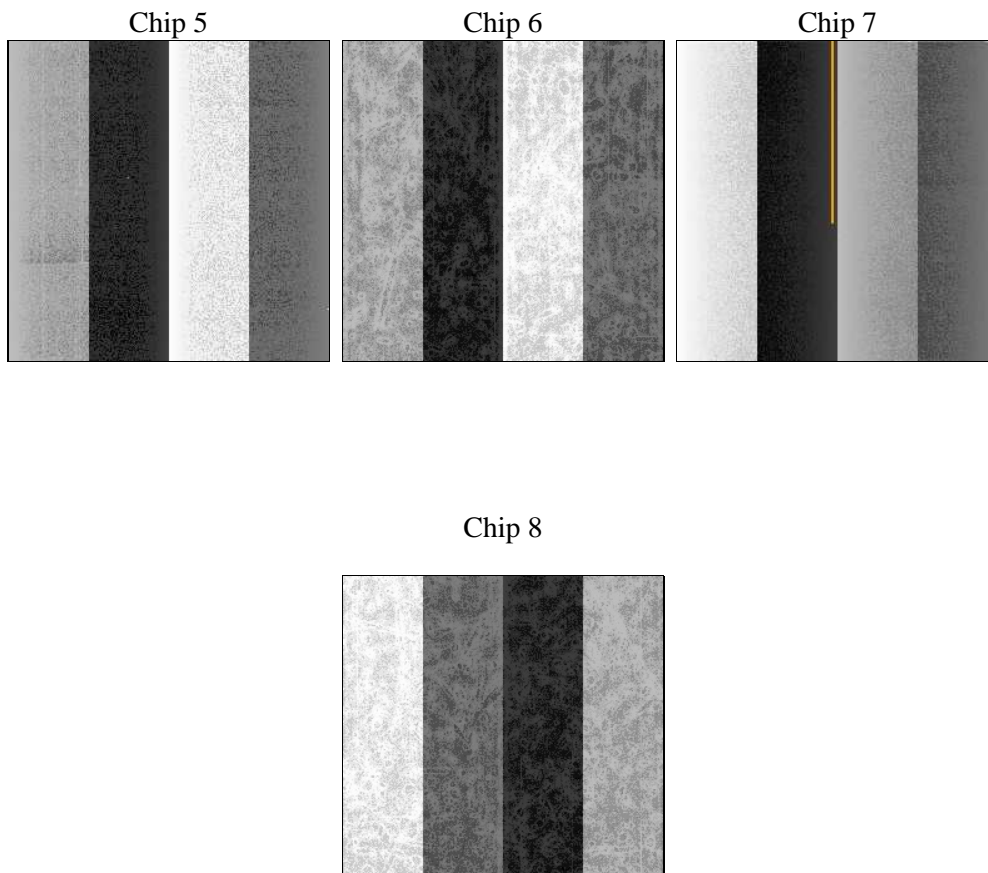
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	21569.800165892	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	21569.800165892	Sum of GTIs [s]
date	2012-05-06T15:08:41	Date and time of file creation	ontime6	21557.236284614	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	21569.800165892	Sum of GTIs [s]
			ontime8	21563.518175483	Sum of GTIs [s]
			l1events	797153	Number of level 1 events

2.1.4 Events

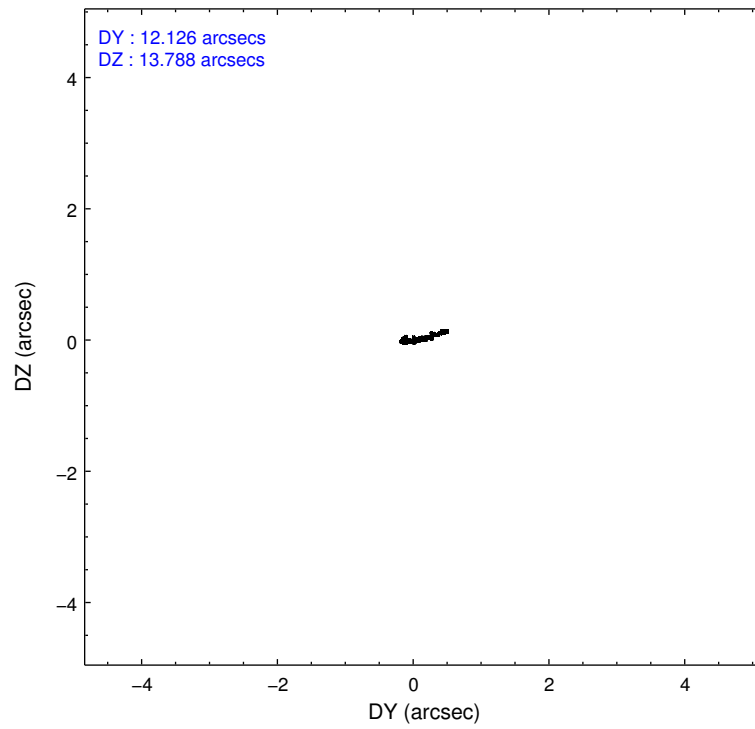
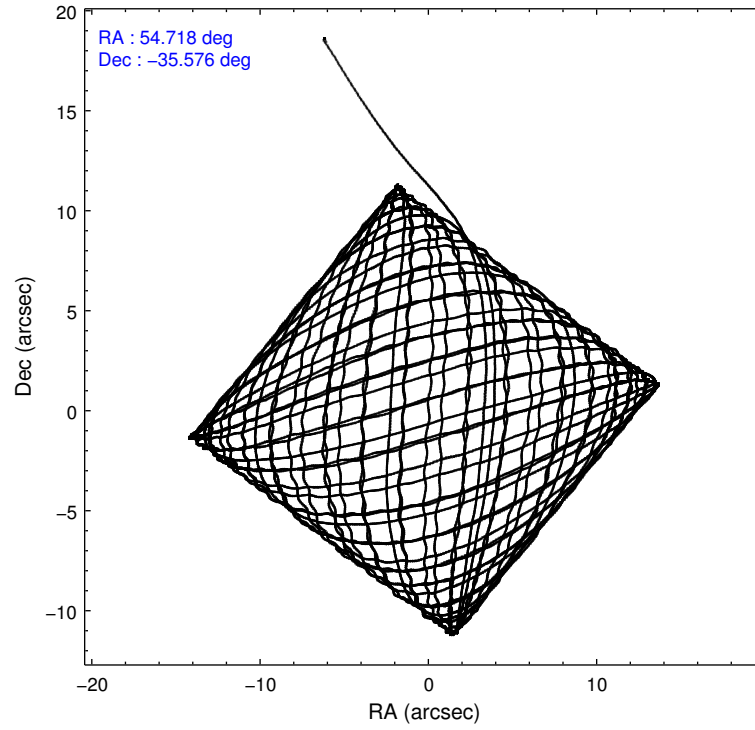
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	212947	166391	186341	231474
rejected events	96498	145308	79495	157719
rejected %	45%	87%	42%	68%

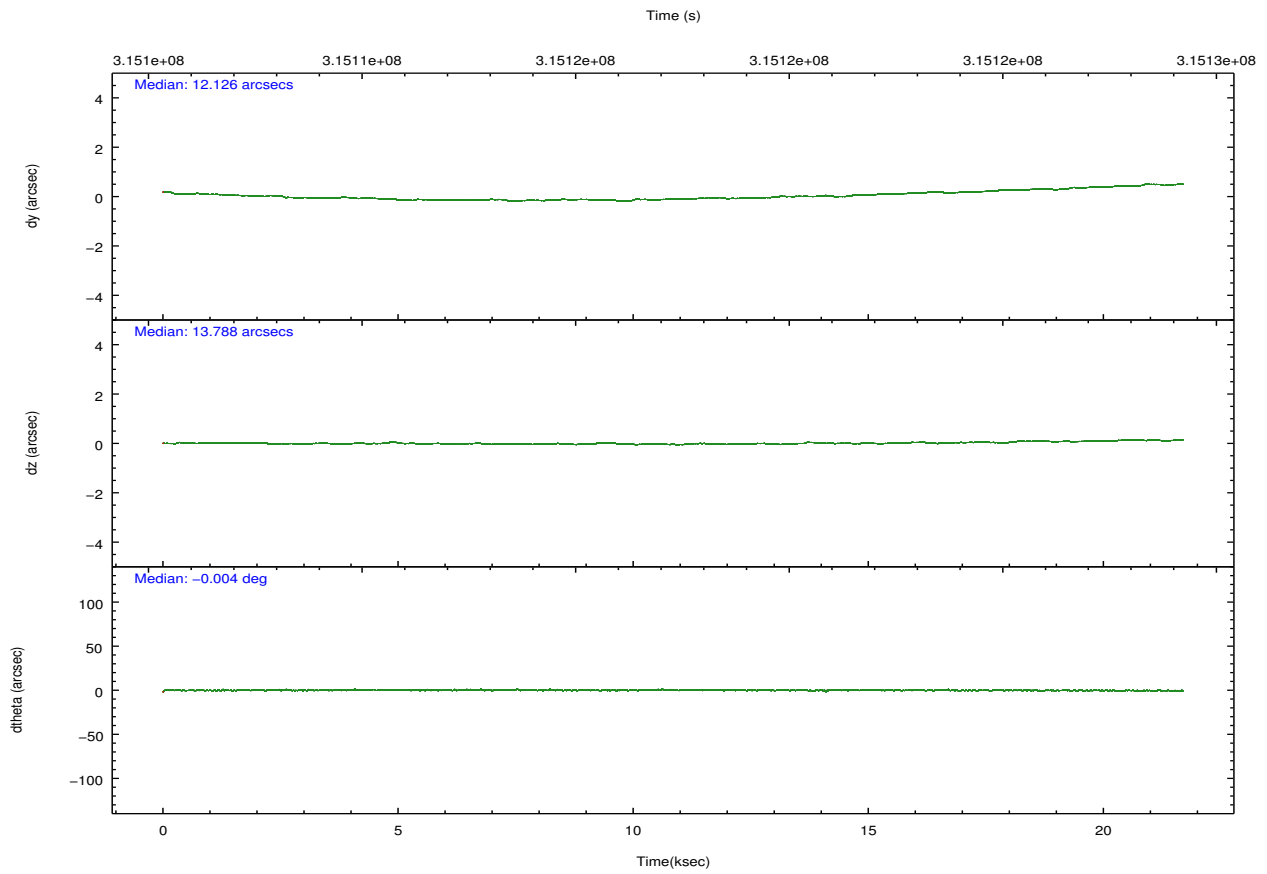
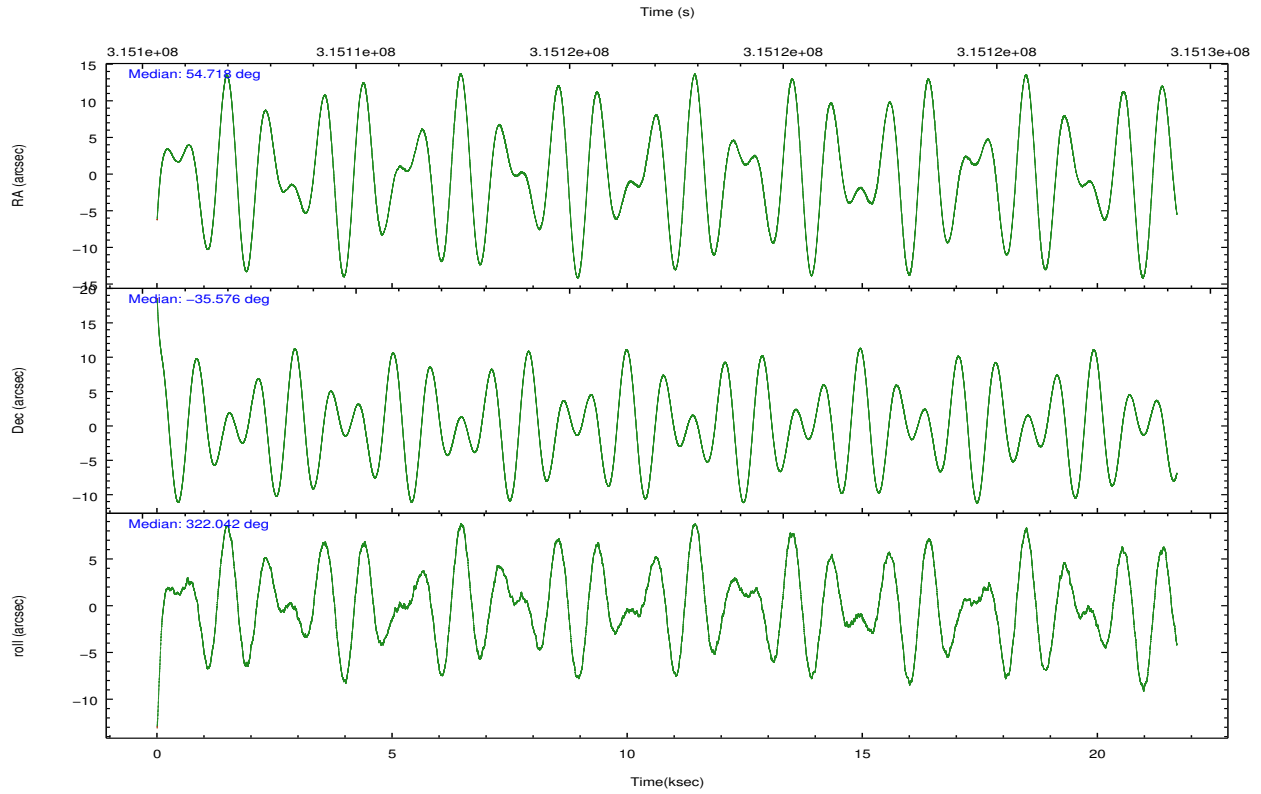
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13210	9936	17687	34320
	6%	5%	9%	14%
grade 1 events	511	106	292	263
	0%	0%	0%	0%
grade 2 events	37368	3927	24363	13909
	17%	2%	13%	6%
grade 3 events	5273	1912	10704	6032
	2%	1%	5%	2%
grade 4 events	5200	1926	10830	5671
	2%	1%	5%	2%
grade 5 events	16704	5612	16932	8625
	7%	3%	9%	3%
grade 6 events	55424	3385	43275	13832
	26%	2%	23%	5%
grade 7 events	79257	139587	62258	148822
	37%	83%	33%	64%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	54.685064	54.71845106036912	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.572388	-35.57580824406764	Alternating exposures requested	N	N
[deg] Pointing Roll	321.874036	322.0500871700774	[s] Primary exposure time	0.000000	3.1
[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)	315106624.184000	315105742.55721			
Observation start date	2007-12-27T01:35:59	2007-12-27T01:22:22			
[s] Observation end time (MET)	315128124.184000	315129003.90834			
Observation end date	2007-12-27T07:34:19	2007-12-27T07:50:03			
Read mode	TIMED	TIMED			

2.3 Aspect



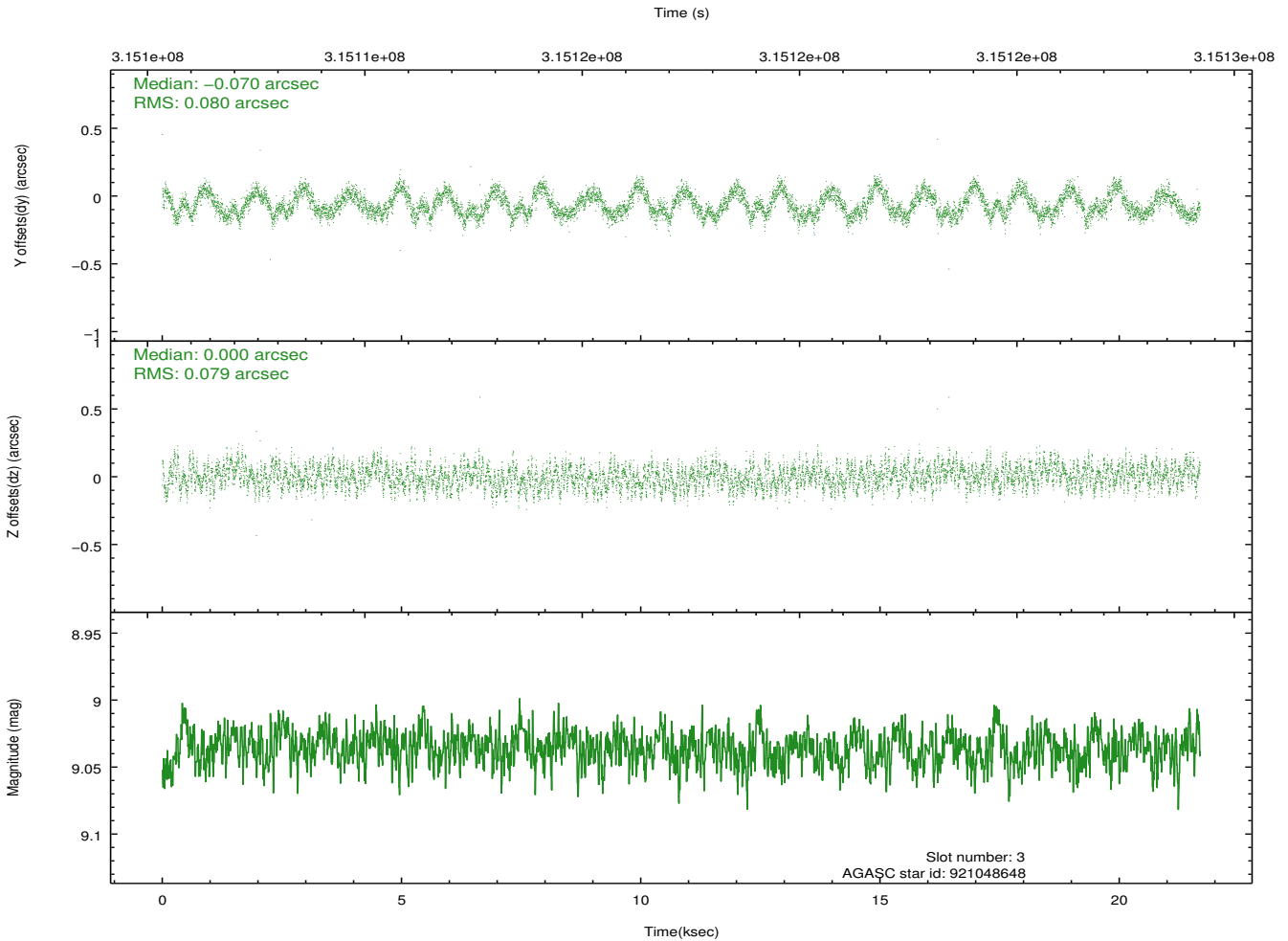
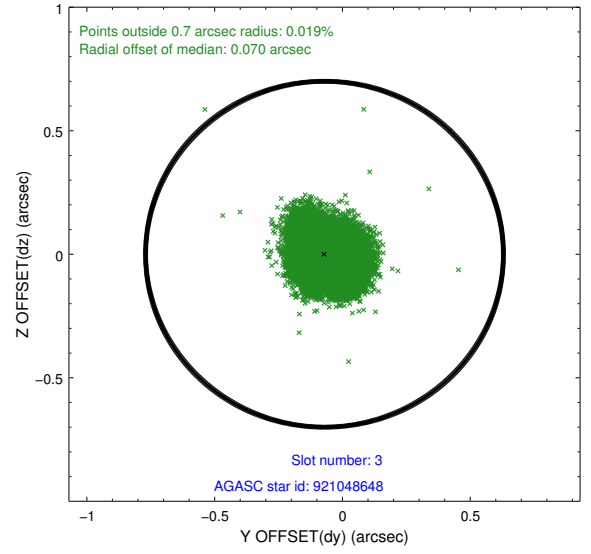
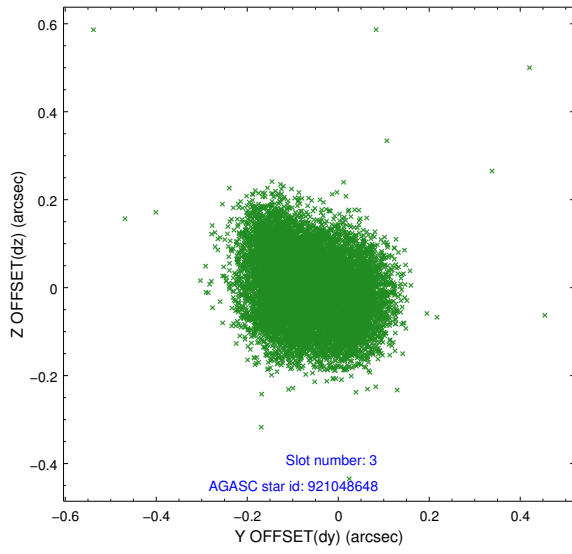


Slot Statistics

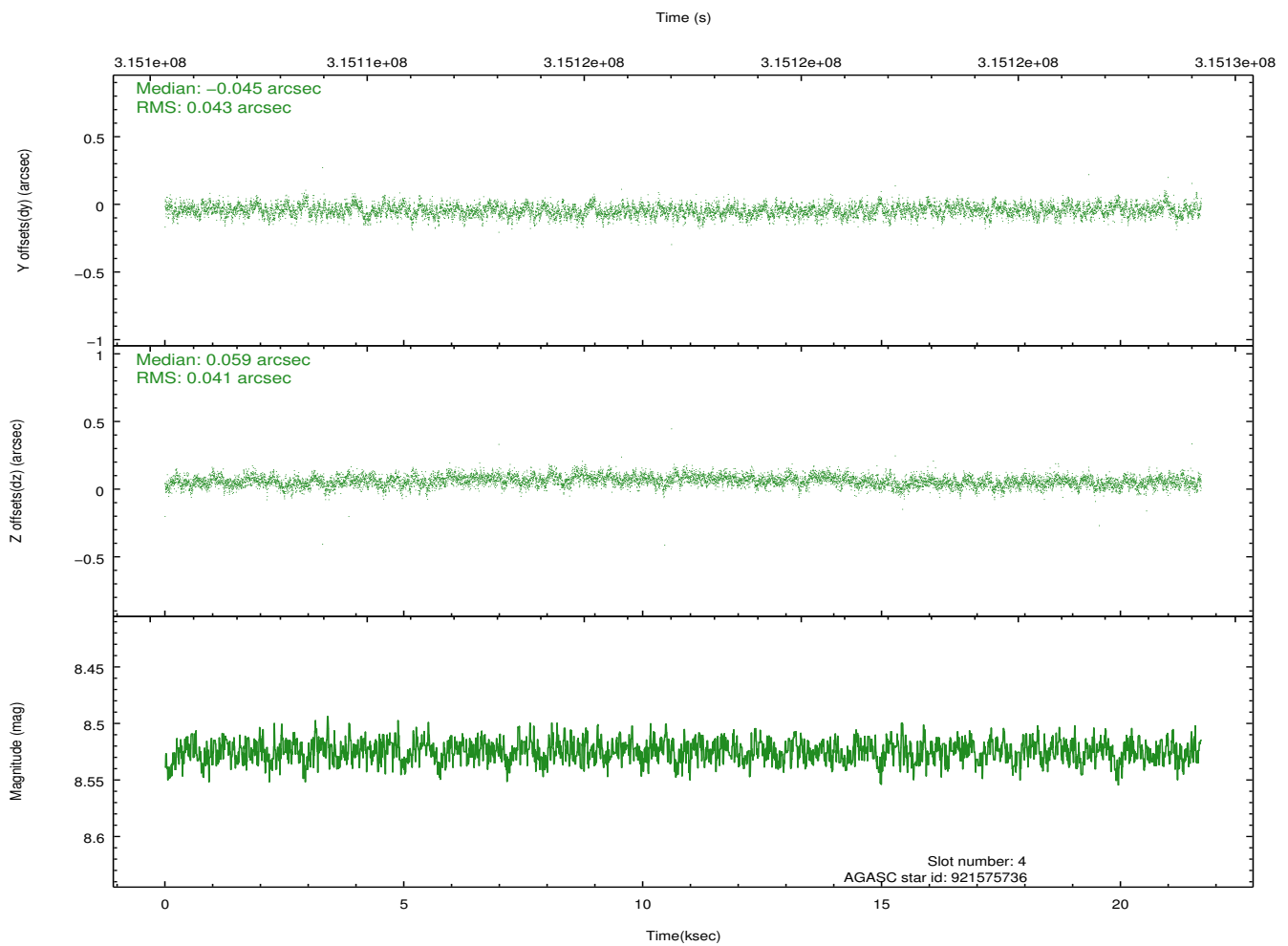
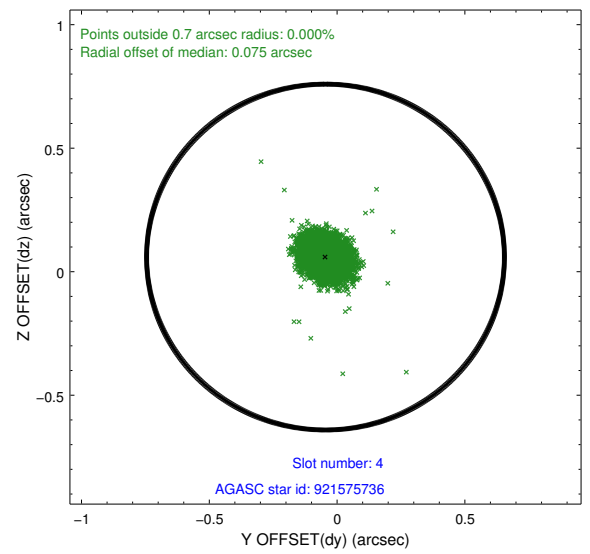
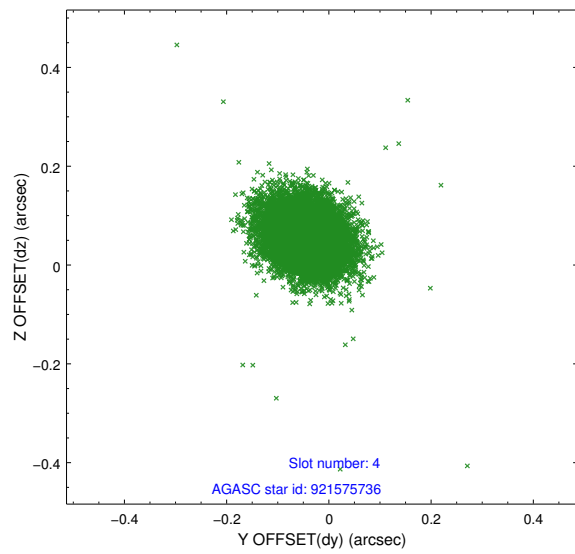
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	5290	-0.035	-0.049	0.011	0.017	0.000000	0.000000	-765.09	-1735.20
1	FID	ACIS-S-4	7.19	5290	0.132	0.030	0.011	0.018	0.000000	0.000000	2148.27	173.20
2	FID	ACIS-S-5	7.23	5289	-0.128	0.028	0.010	0.016	0.000000	0.000000	-1817.83	167.04
3	GUIDE	921048648	9.04	10572	-0.070	0.000	0.122	0.183	53.884610	-35.870023	-1169.29	-2291.59
4	GUIDE	921575736	8.53	10567	-0.045	0.059	0.061	0.101	54.586331	-34.827401	-1885.57	1929.47
5	GUIDE	921965624	8.61	10576	0.255	0.072	0.080	0.130	54.900706	-35.940077	1312.43	-653.10
6	GUIDE	921966528	6.75	10580	-0.080	-0.004	0.060	0.100	54.675841	-35.204254	-839.53	1026.01
7	GUIDE	921970016	9.38	10564	-0.070	-0.128	0.136	0.206	54.228536	-36.081558	90.19	-2263.06

2.4 Star Slots

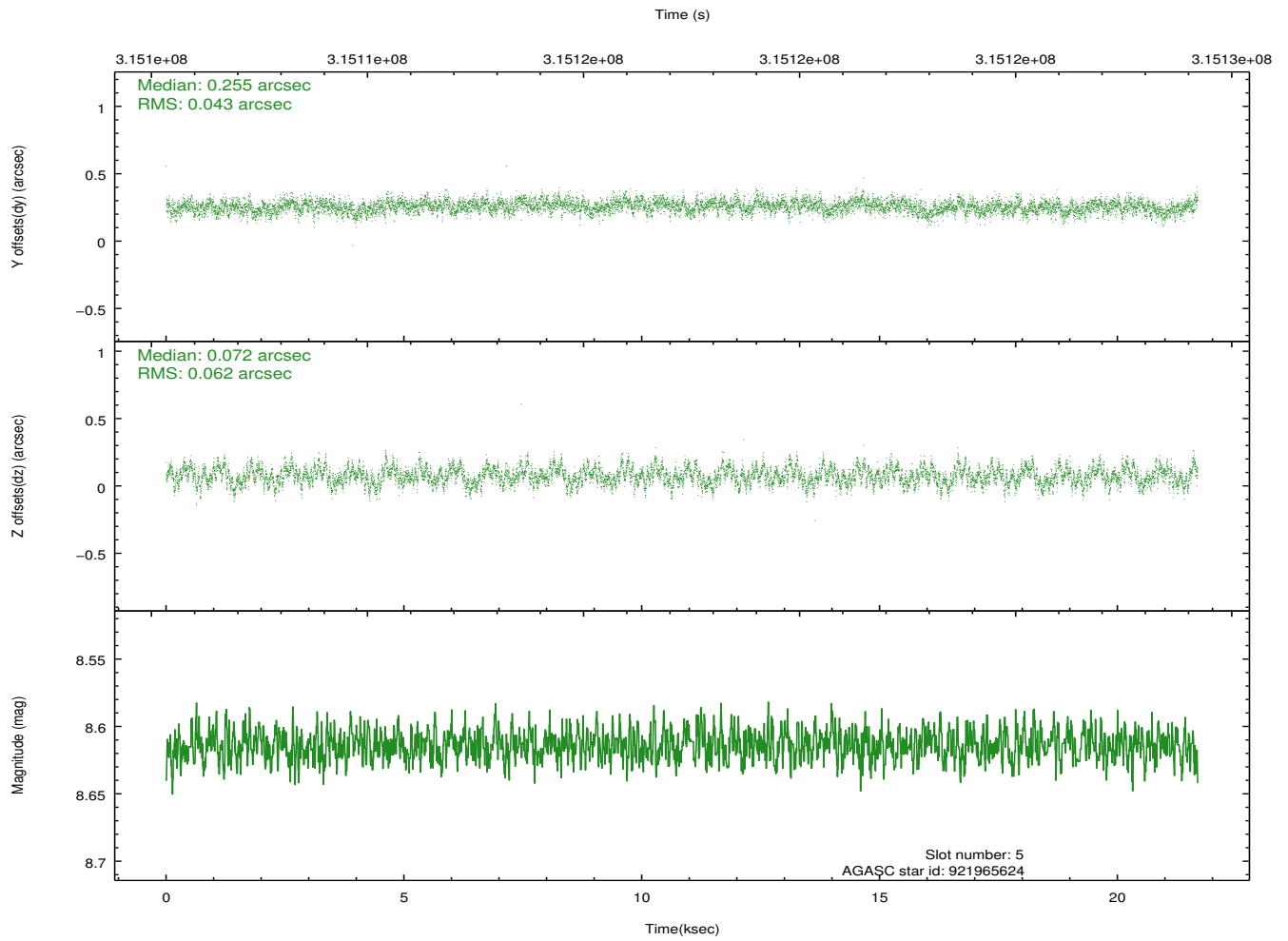
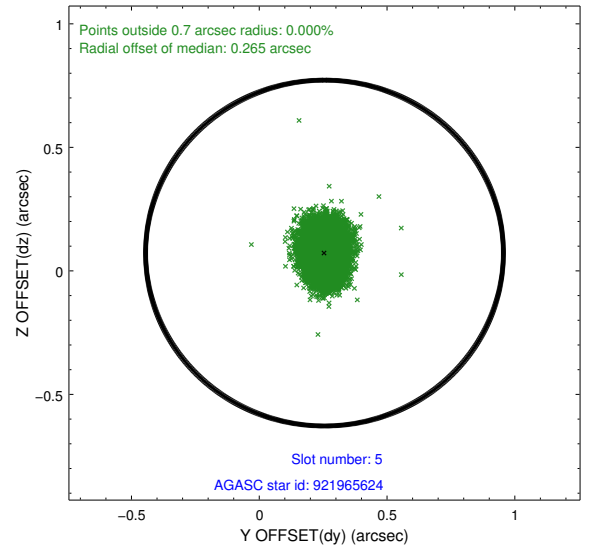
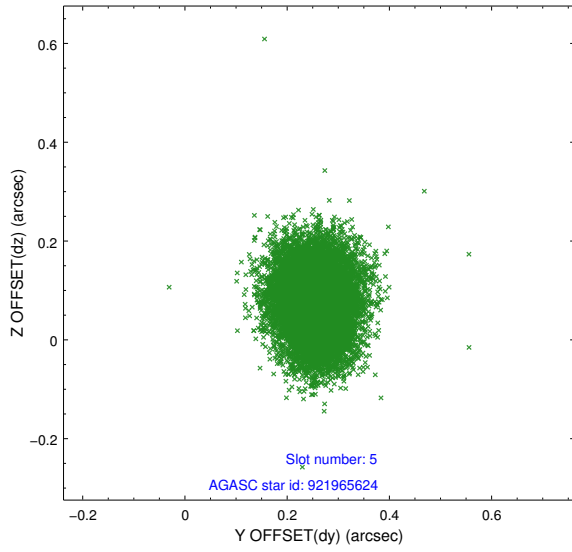
2.4.1 Slot 3



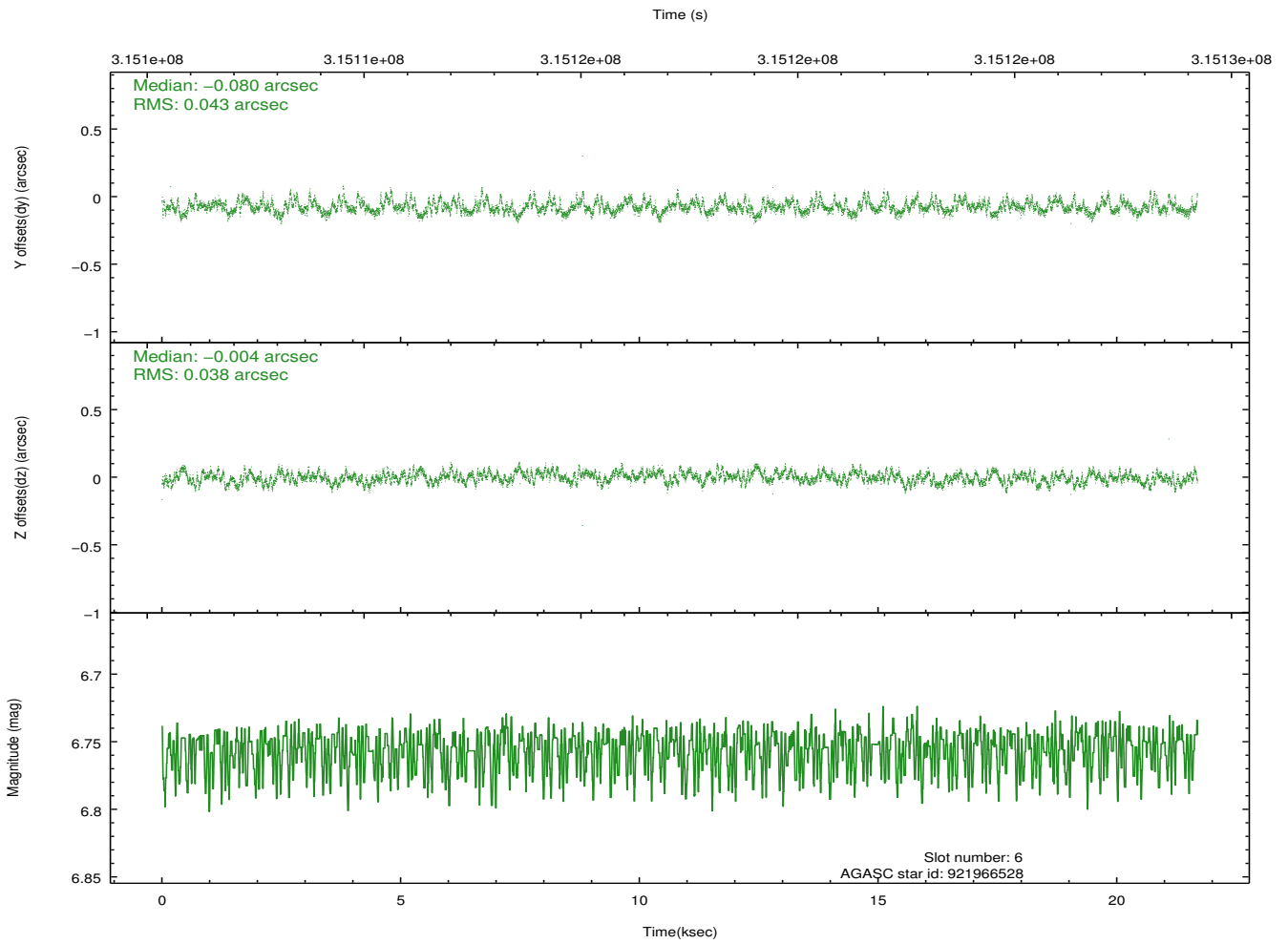
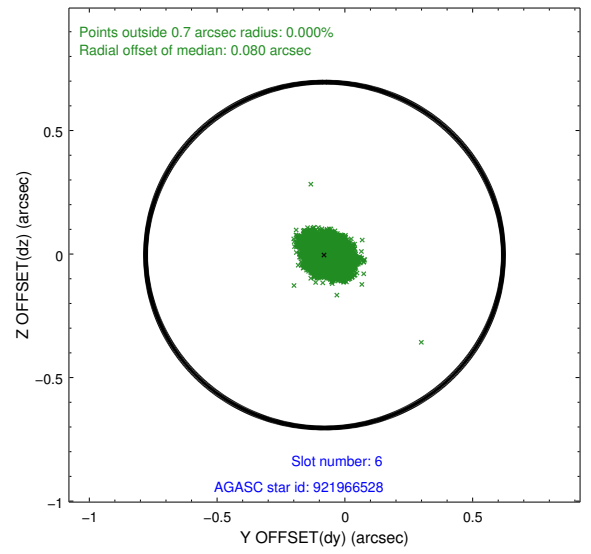
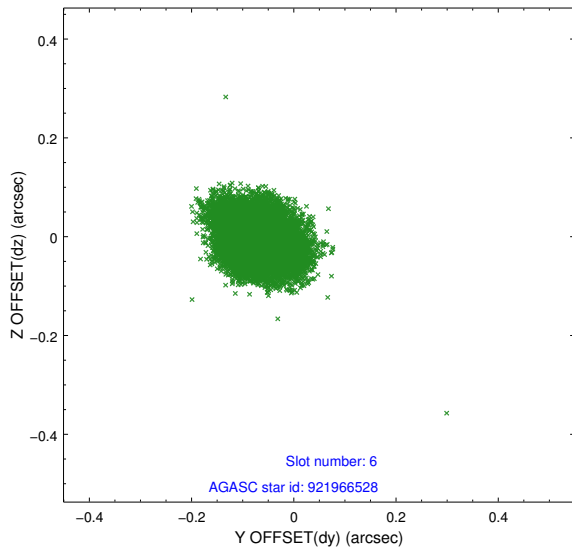
2.4.2 Slot 4



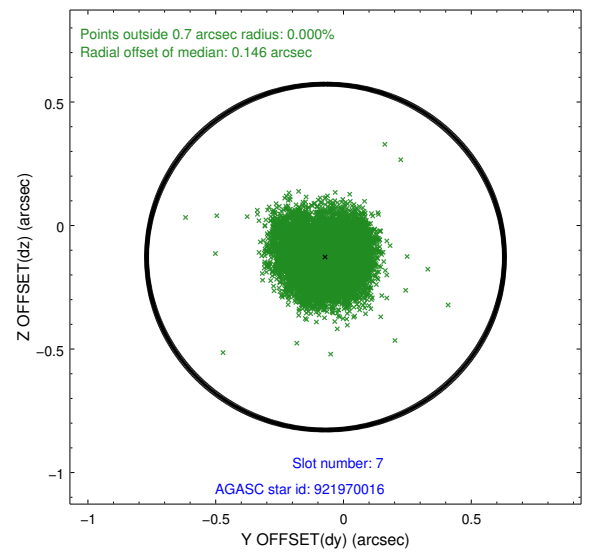
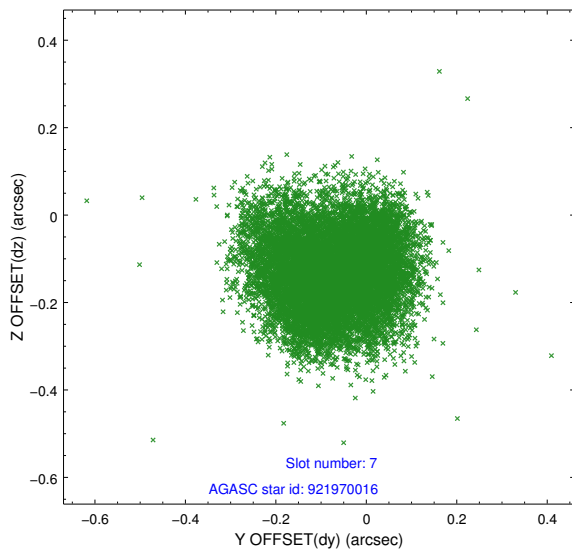
2.4.3 Slot 5



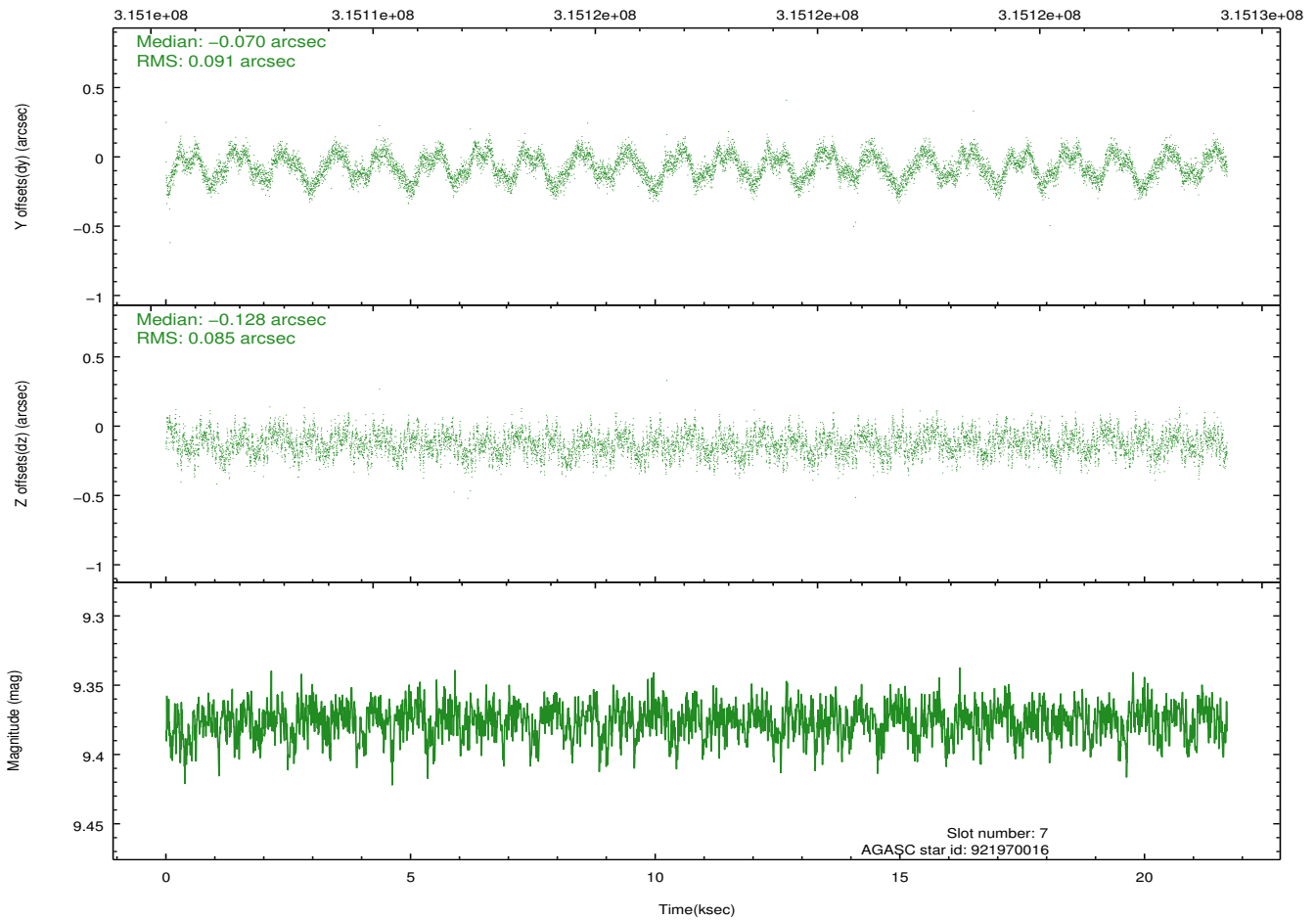
2.4.4 Slot 6



2.4.5 Slot 7

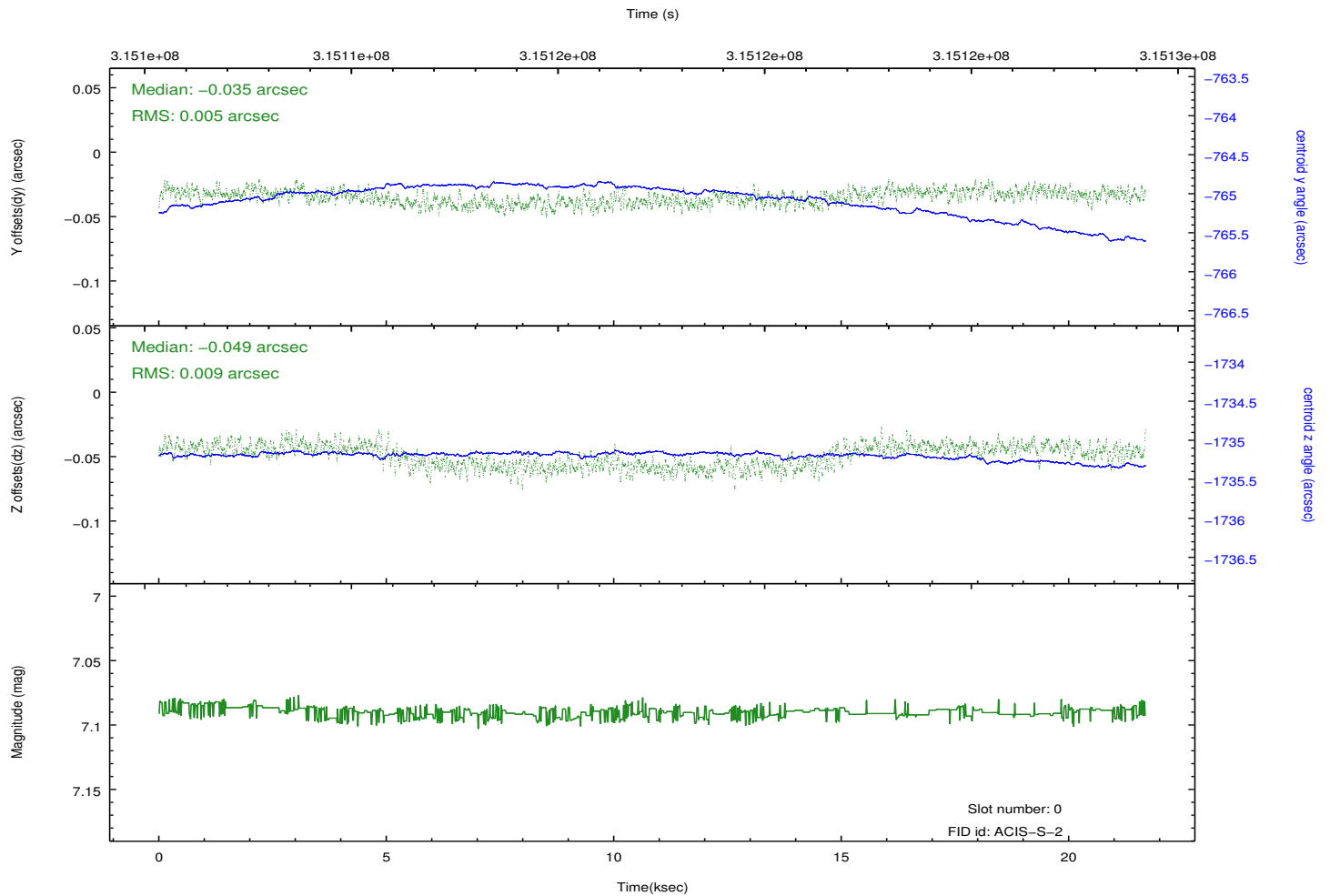
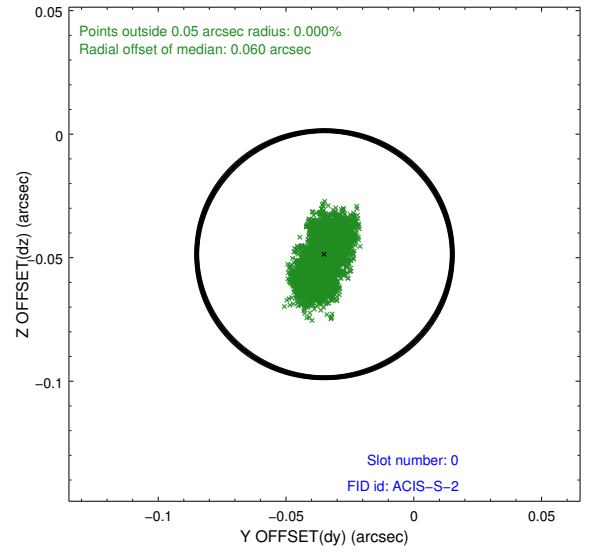
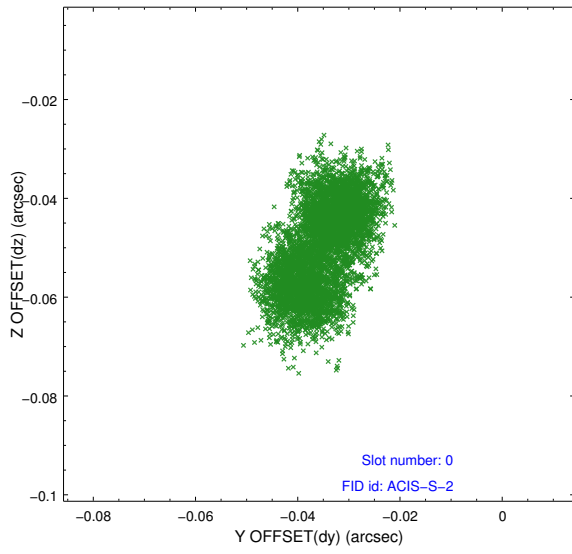


Time (s)

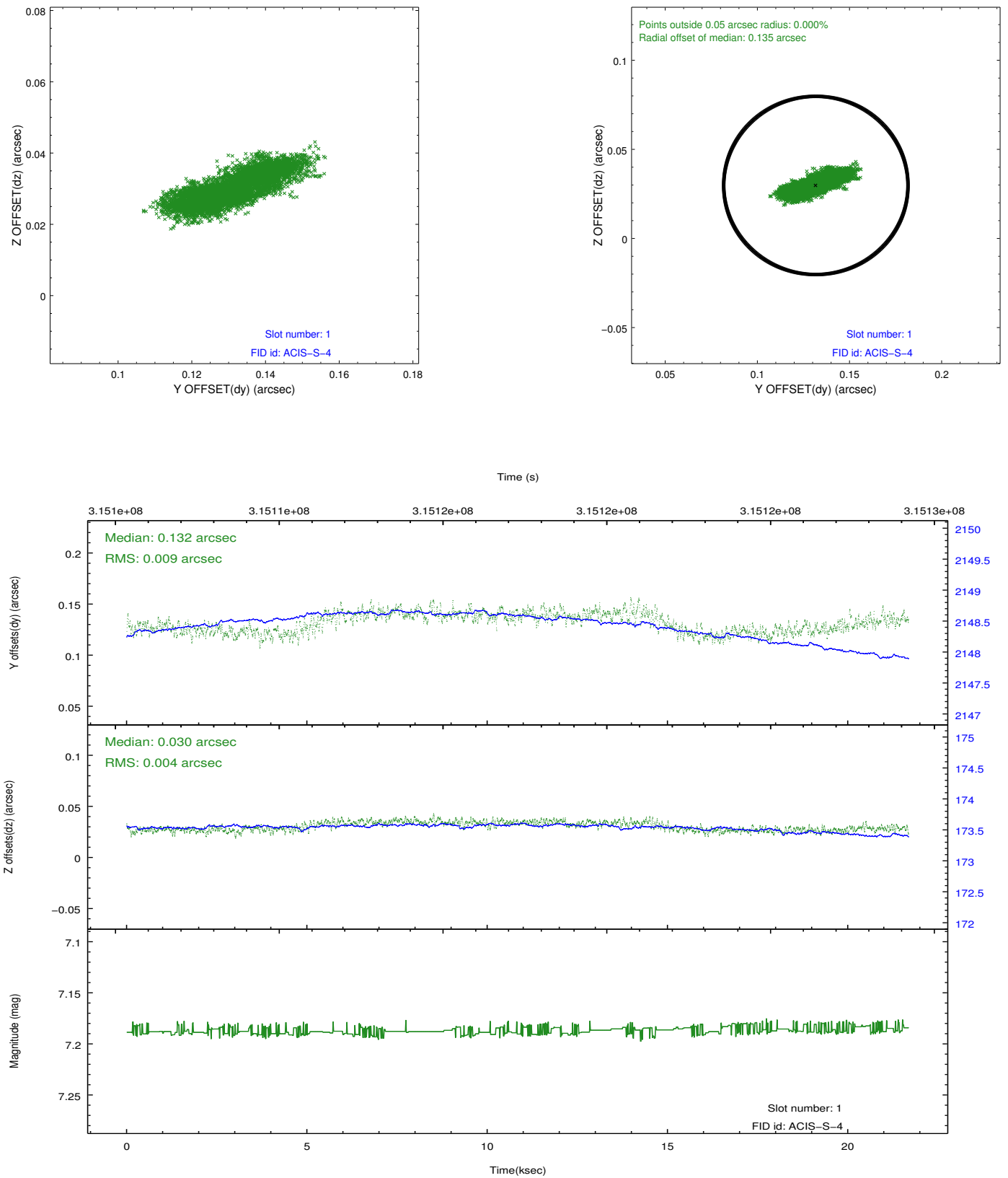


2.5 FID Slots

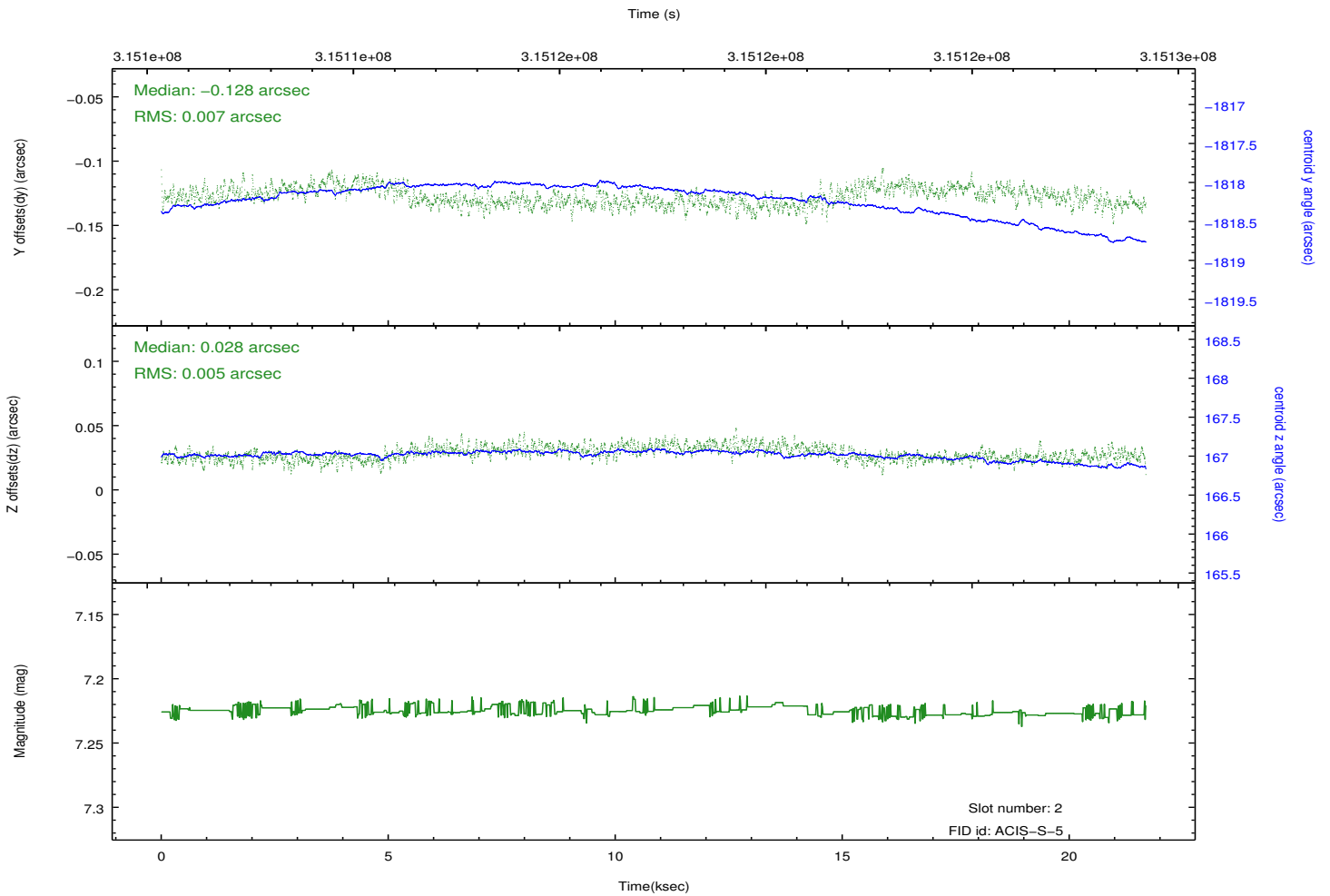
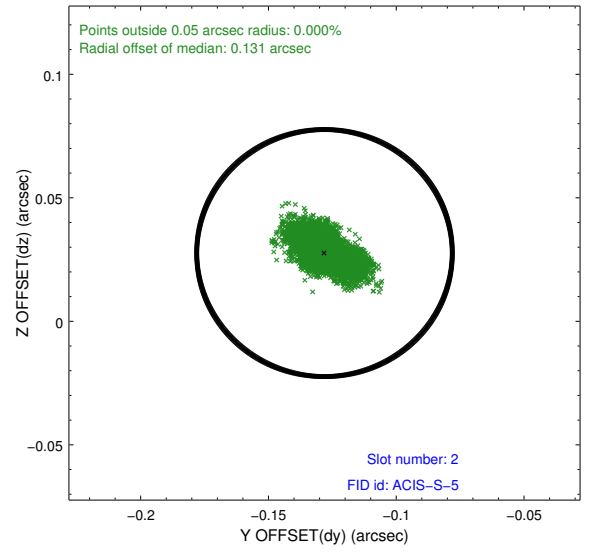
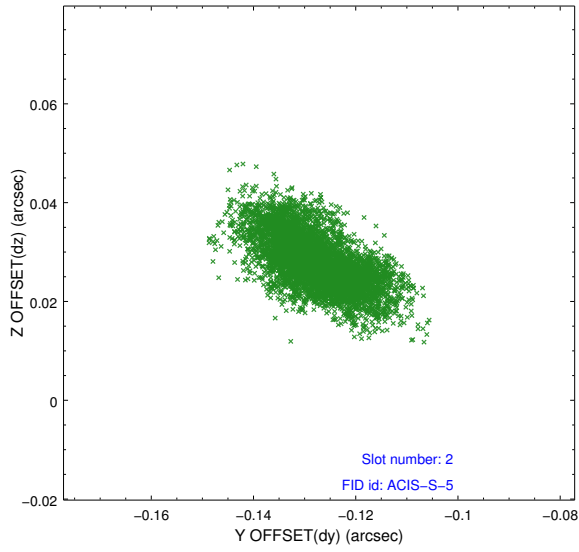
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.5698001

A.2 Comments