

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 18698 - L2 Version 1
Chandra X-Ray Center

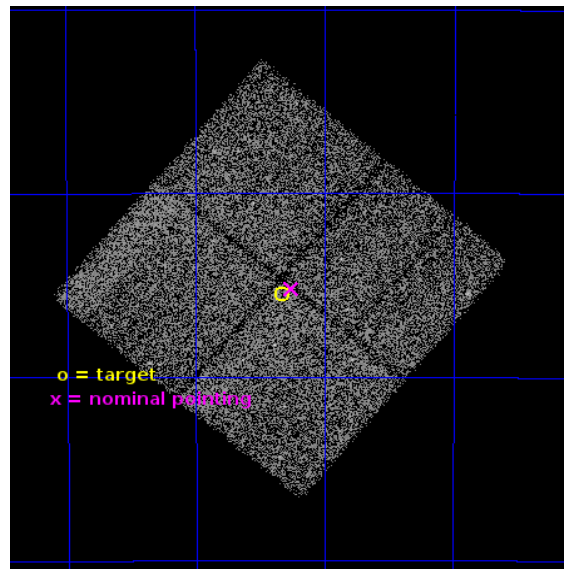
L2 Processing Date : Nov 12 2015

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

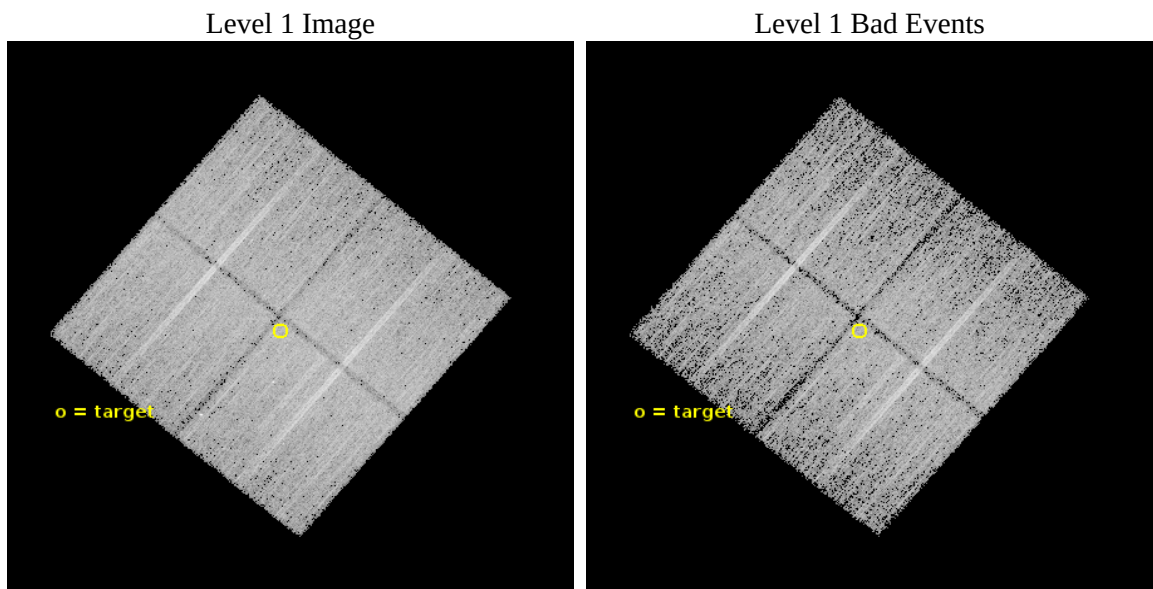
seq_num	200996	Sequence number
obs_id	18698	Observation id
title	X-Ray Investigation of the Most Luminous OB Association in the Galaxy	Proposal title
observer	Dr Mubdi Rahman	Principal investigator
object	Dragonfish Association	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.08375	Observer's specified target RA [deg]
dec_targ	-63.258583	Observer's specified target Dec [deg]
ra_nom	183.06459000806	Nominal RA [deg]
dec_nom	-63.253459750971	Nominal Dec [deg]
roll_nom	130.19157301513	Nominal Roll [deg]
revision	1	Processing version of data
ontime	24731.759230137	Sum of GTIs [s]
livetime	24408.620588539	Livetime [s]
ontime0	24731.759230137	Sum of GTIs [s]
ontime1	24731.759220123	Sum of GTIs [s]
ontime2	24731.759200335	Sum of GTIs [s]
ontime3	24731.759230137	Sum of GTIs [s]
l2events	53595	Number of level 2 events



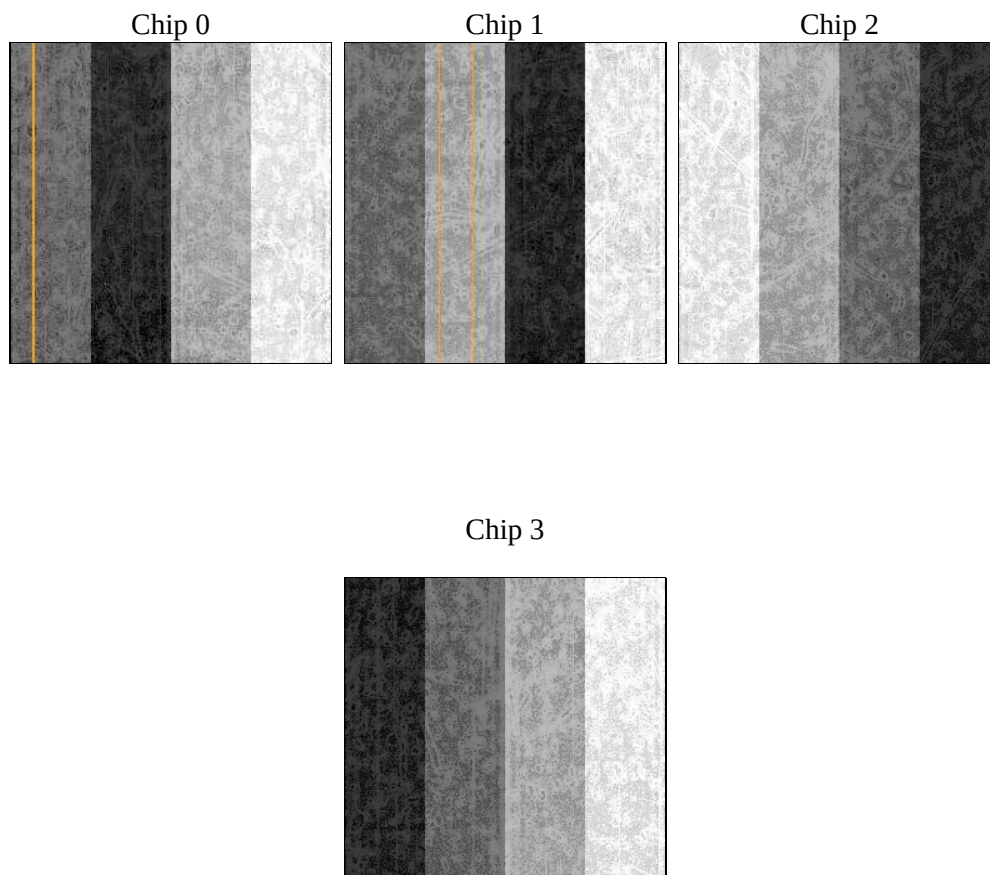
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24650.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	24731.759230137	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	24731.759230137	Sum of GTIs [s]
date	2015-11-13T04:02:25	Date and time of file creation	ontime1	24731.759220123	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	24731.759200335	Sum of GTIs [s]
			ontime3	24731.759230137	Sum of GTIs [s]
			l1events	481752	Number of level 1 events

2.1.4 Events

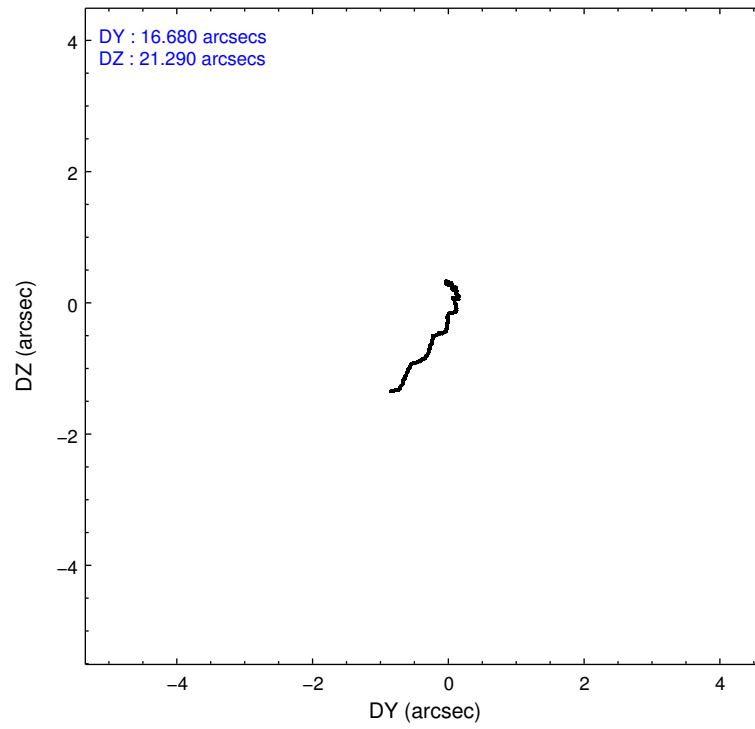
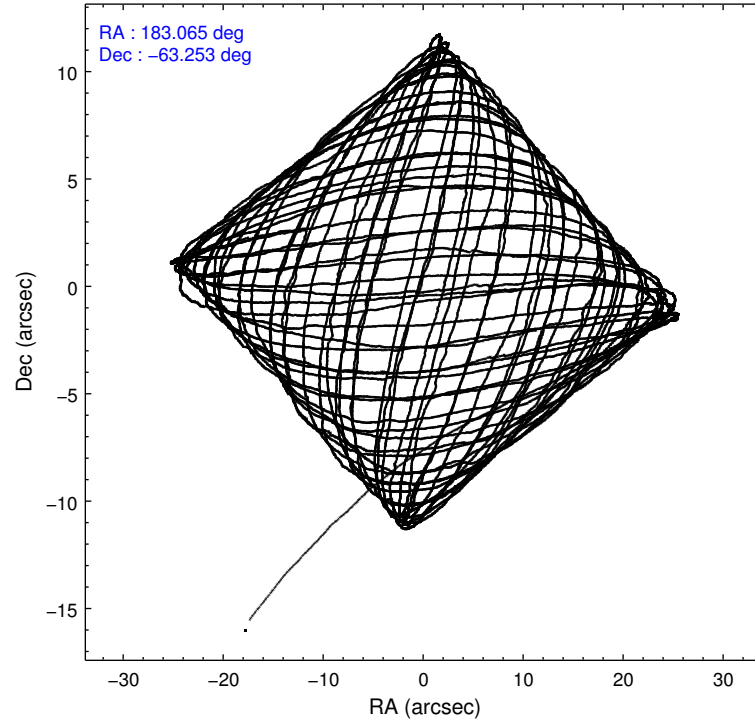
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	114705	117475	122987	126585
rejected events	98986	100166	107752	110967
rejected %	86%	85%	87%	87%

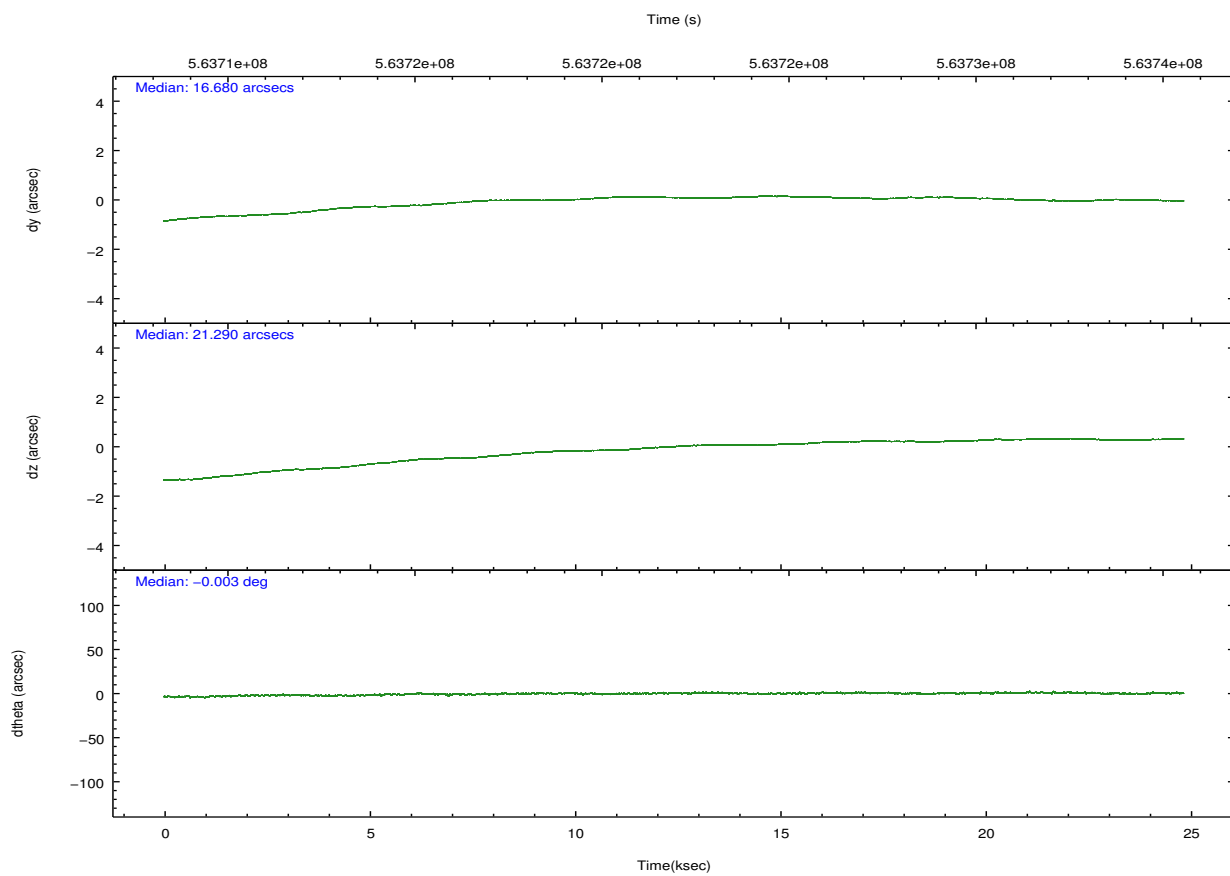
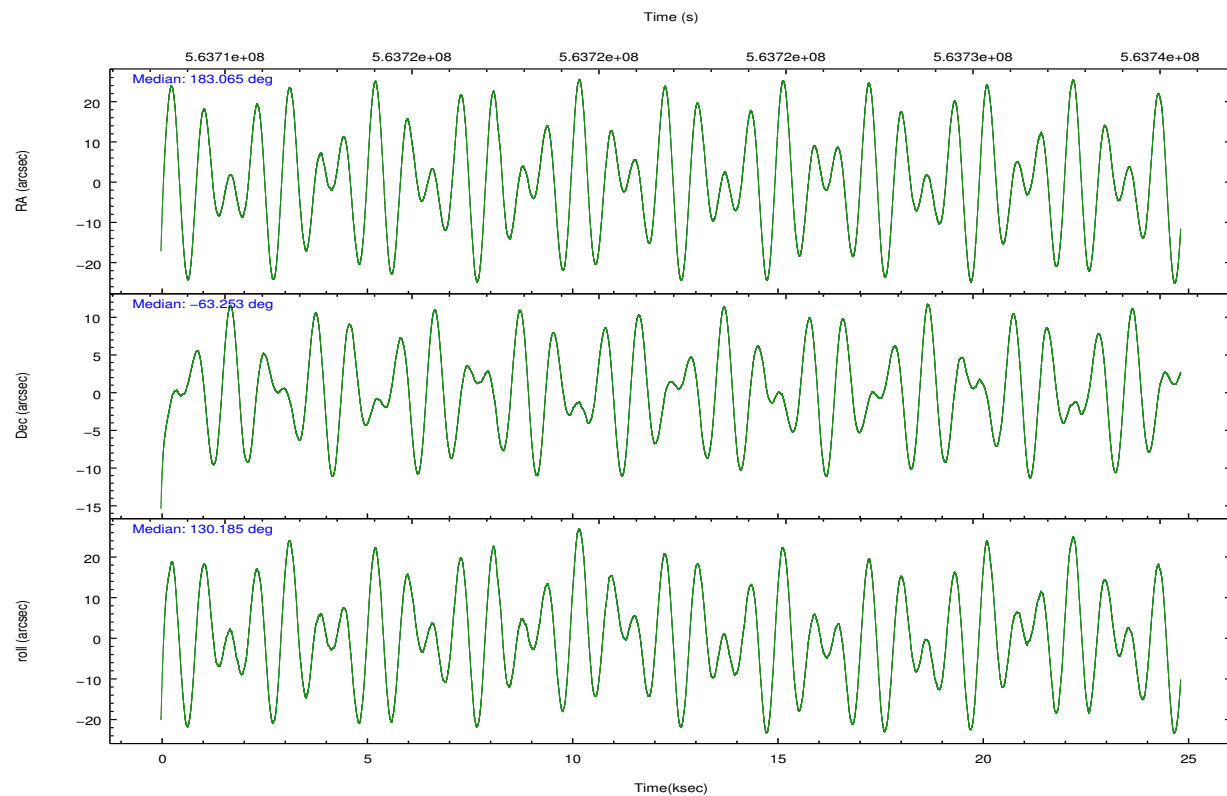
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	5731	6191	5593	6085
	4%	5%	4%	4%
grade 1 events	68	66	72	71
	0%	0%	0%	0%
grade 2 events	3805	4136	3667	3296
	3%	3%	2%	2%
grade 3 events	1591	1632	1507	1551
	1%	1%	1%	1%
grade 4 events	1450	1647	1532	1595
	1%	1%	1%	1%
grade 5 events	5920	6243	5856	6621
	5%	5%	4%	5%
grade 6 events	3149	3706	2940	3092
	2%	3%	2%	2%
grade 7 events	92991	93854	101820	104274
	81%	79%	82%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	183.122396	183.0645900080596	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.262713	-63.25345975097144	Alternating exposures requested	N	N
[deg] Pointing Roll	130.034520	130.1915730151263	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	563709661.184000	563708707.23449			
Observation start date	2015-11-12T09:59:53	2015-11-12T09:45:07			
[s] Observation end time (MET)	563734311.184000	563735233.72349			
Observation end date	2015-11-12T16:50:43	2015-11-12T17:07:13			
Read mode	TIMED	TIMED			

2.3 Aspect



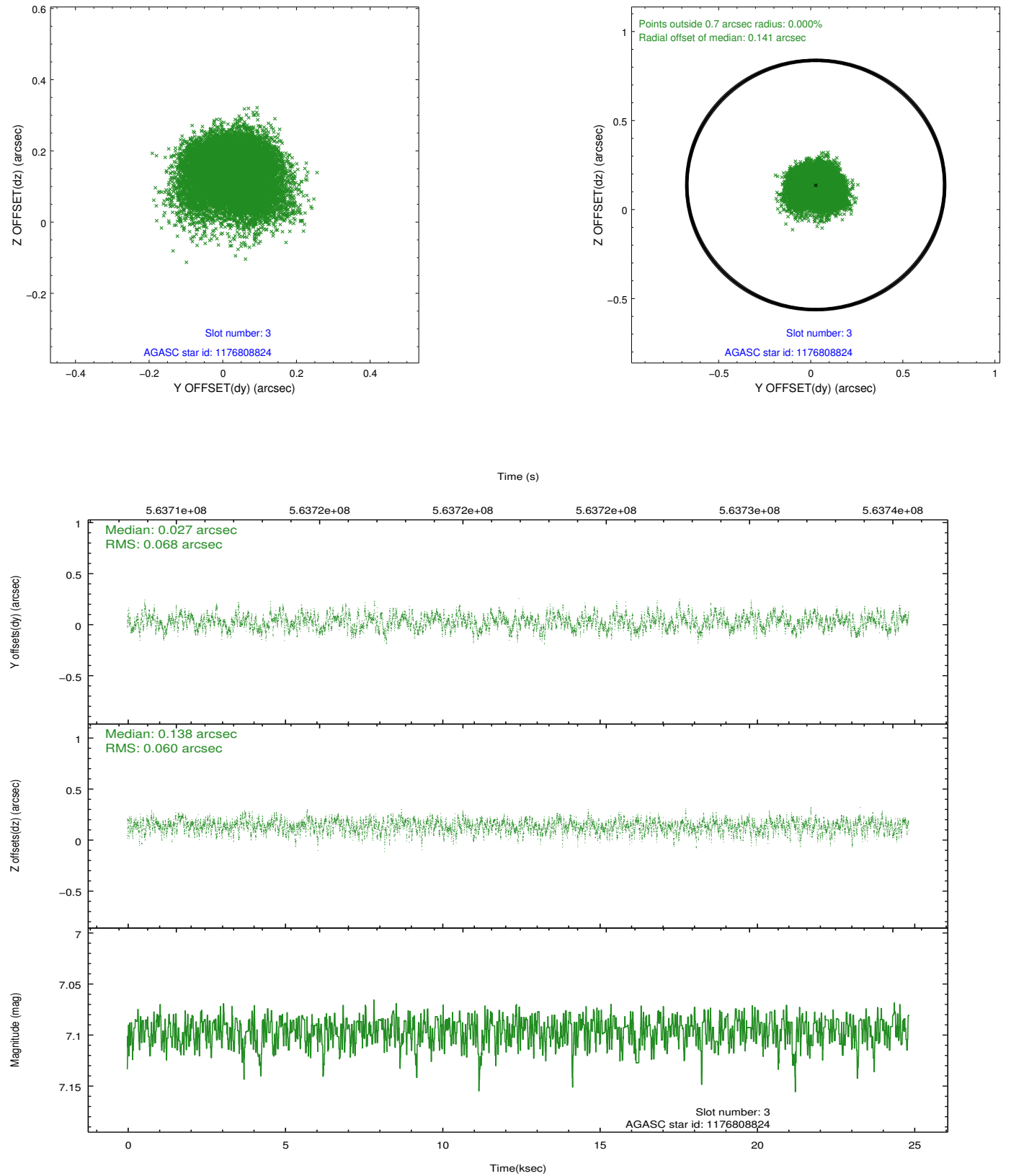


Slot Statistics

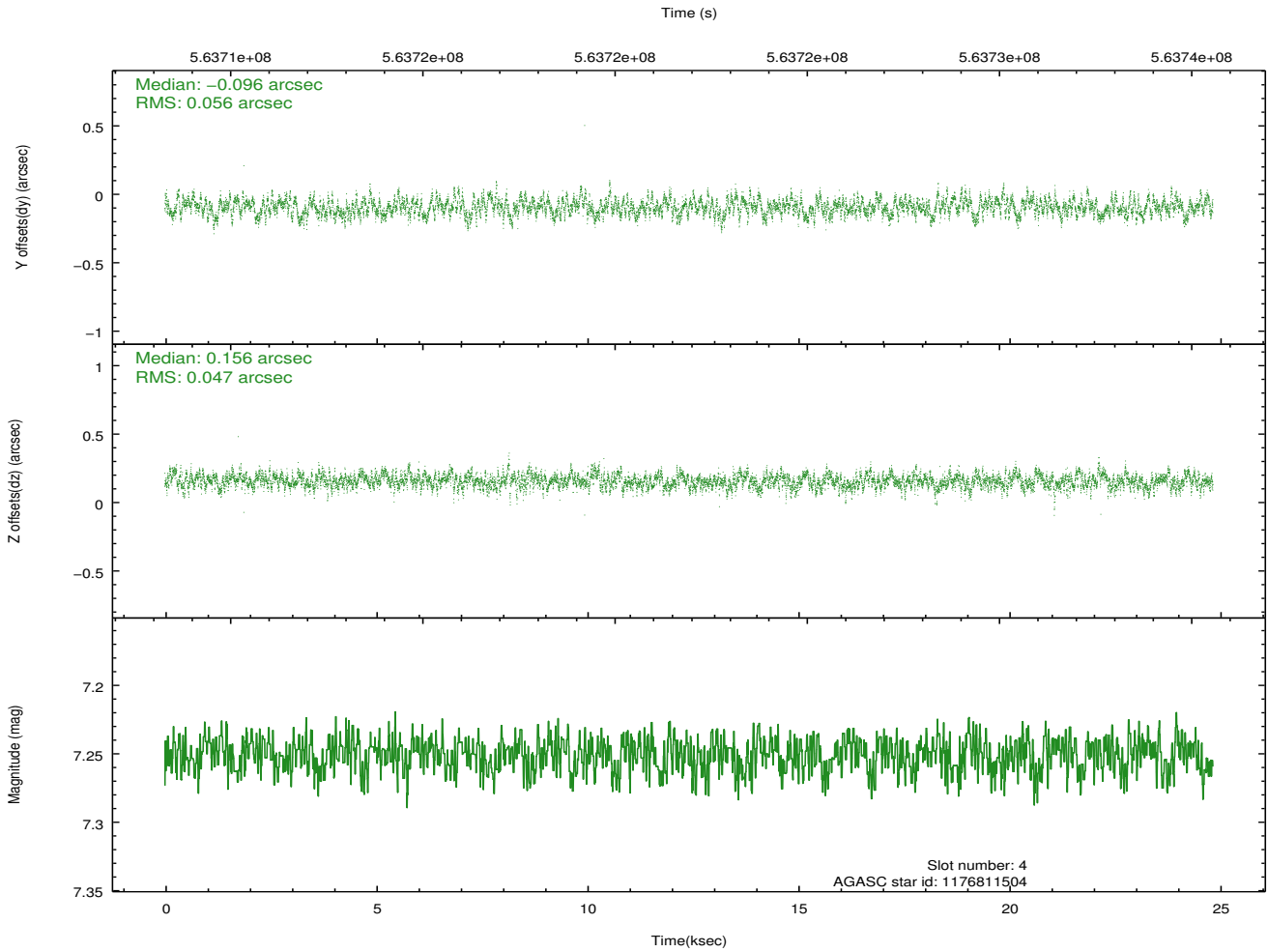
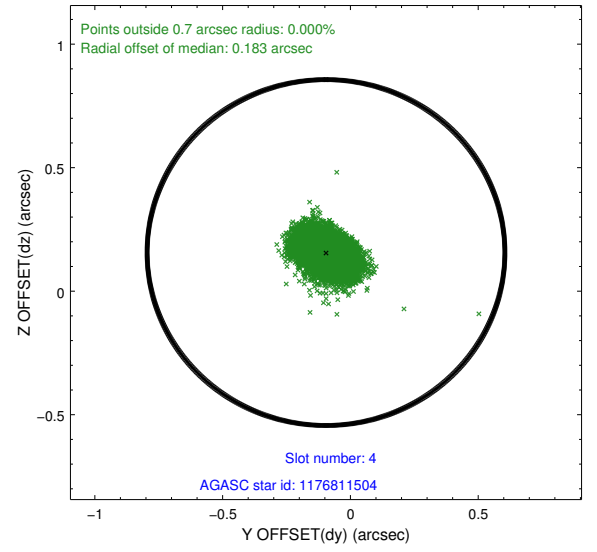
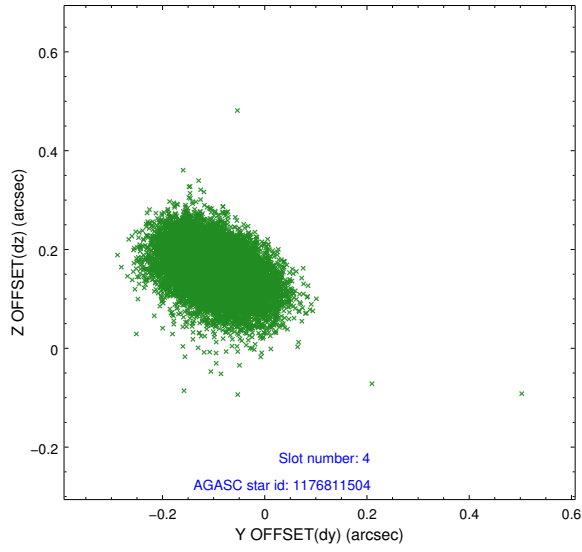
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	6058	0.108	-0.074	0.012	0.039	0.000000	0.000000	922.95	-844.90
1	FID		ACIS-I-5	7.25	6058	-0.358	0.064	0.012	0.024	0.000000	0.000000	-1825.59	1052.59
2	FID		ACIS-I-6	7.25	6058	0.161	0.082	0.014	0.023	0.000000	0.000000	388.37	1697.31
3	GUIDE	used	1176808824	7.10	12116	0.027	0.138	0.097	0.153	184.159290	-63.197902	-912.58	-1428.25
4	GUIDE	used	1176811504	7.25	12117	-0.096	0.156	0.078	0.128	183.821836	-62.887748	290.72	-1742.74
5	GUIDE	used	1177316856	8.52	12109	0.038	-0.048	0.097	0.164	182.838504	-63.967858	-1656.04	1976.70
6	GUIDE	used	1177318928	7.60	12117	0.004	0.008	0.079	0.128	183.098145	-63.852646	-1601.60	1395.66
7	GUIDE	used	1177316904	8.54	12108	0.023	-0.251	0.101	0.167	182.458956	-63.915853	-1129.32	2319.87

2.4 Star Slots

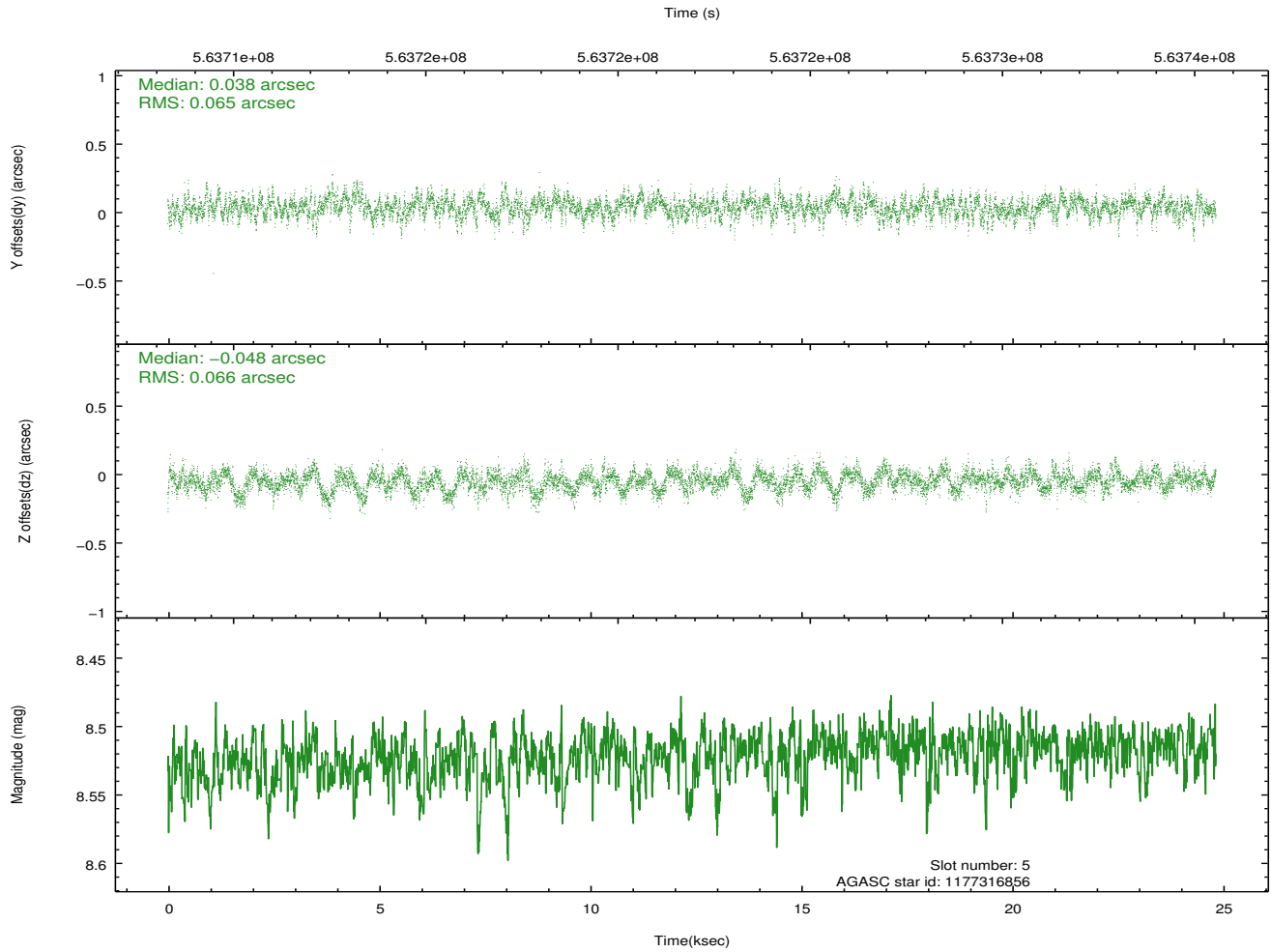
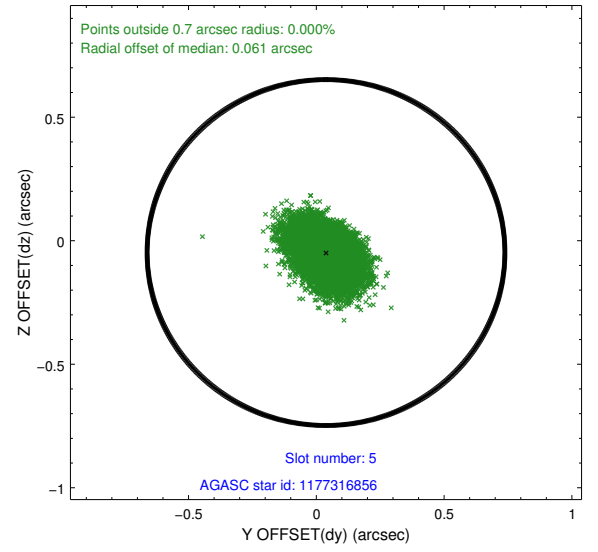
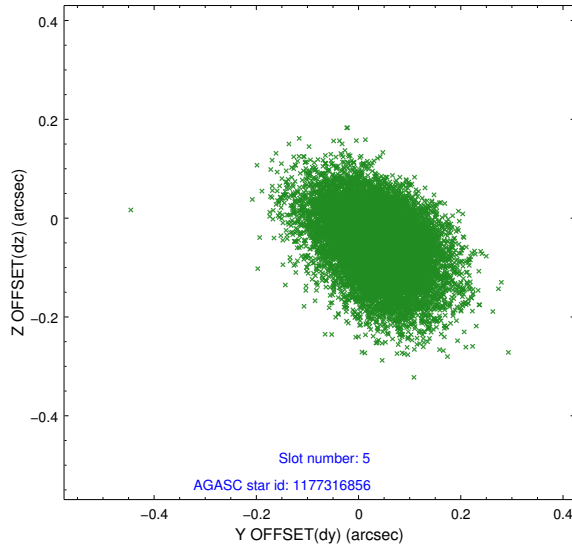
2.4.1 Slot 3



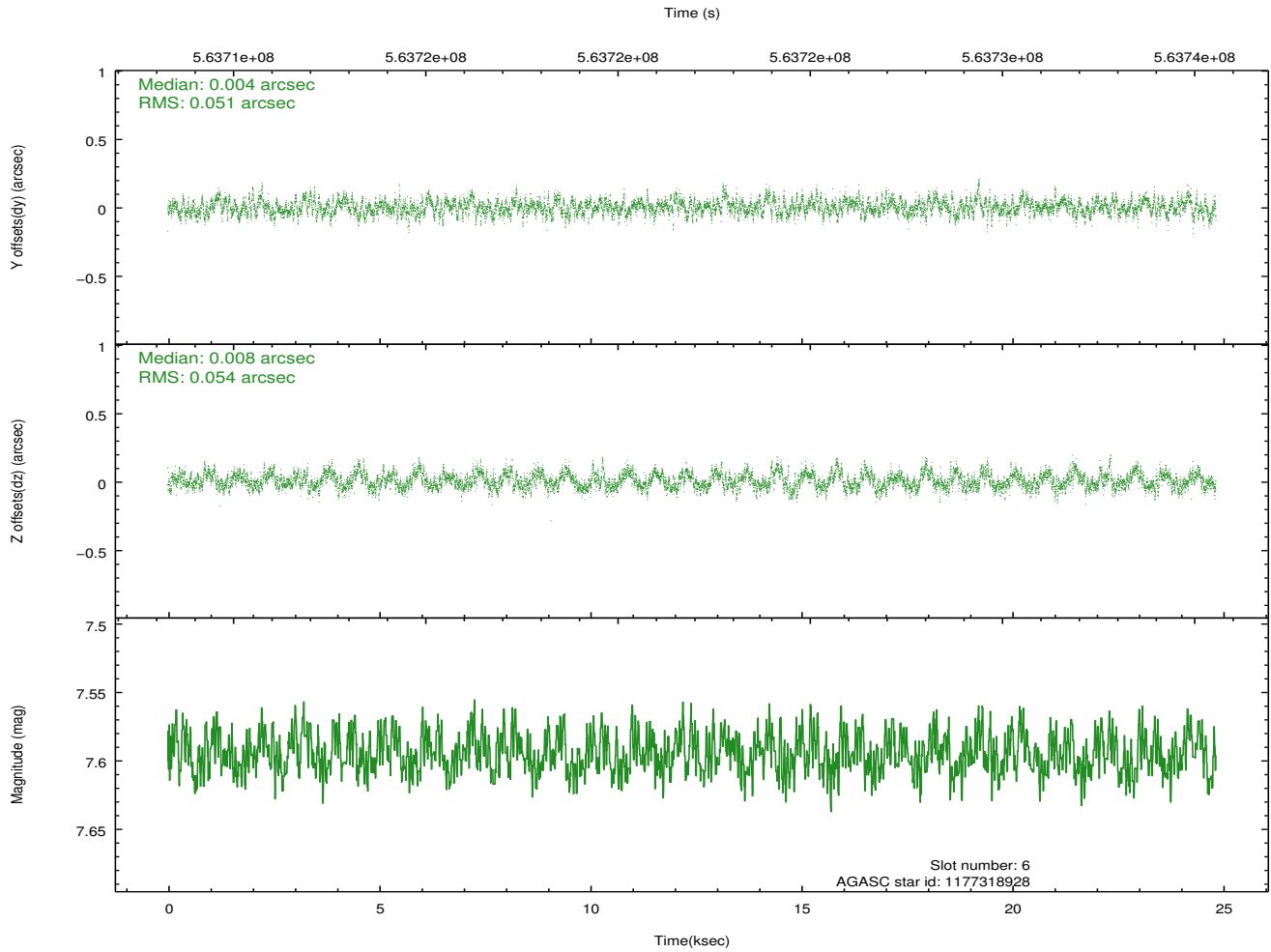
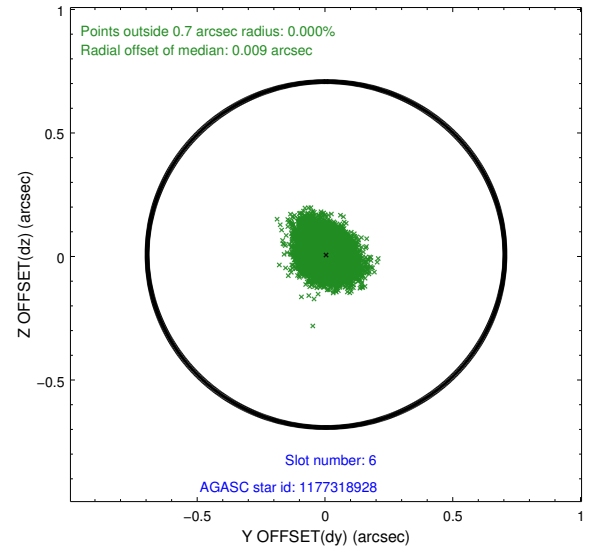
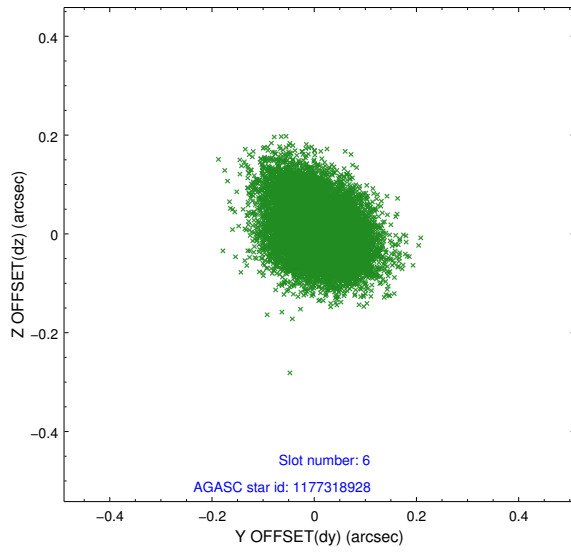
2.4.2 Slot 4



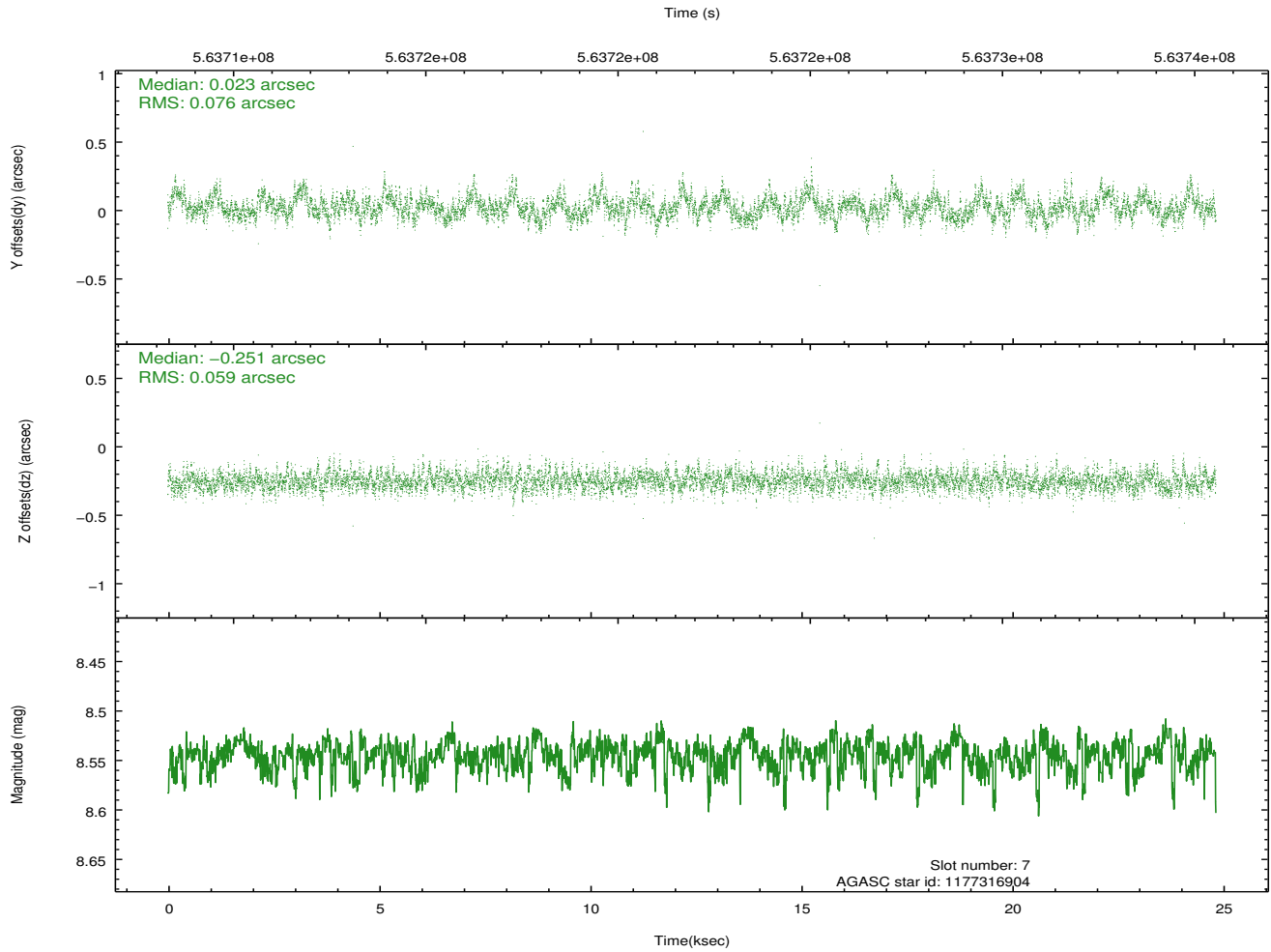
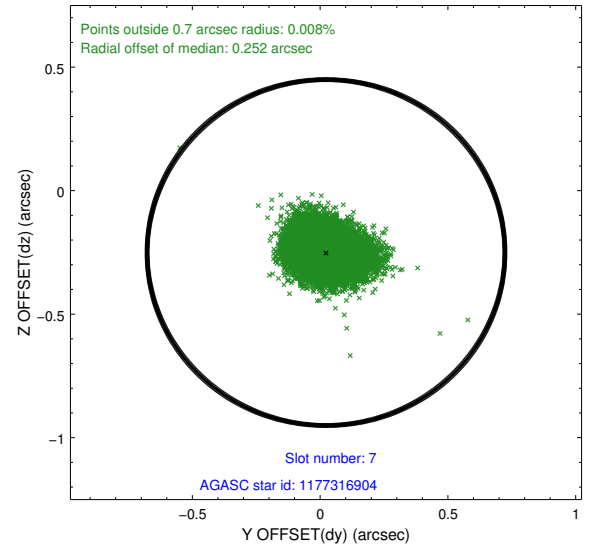
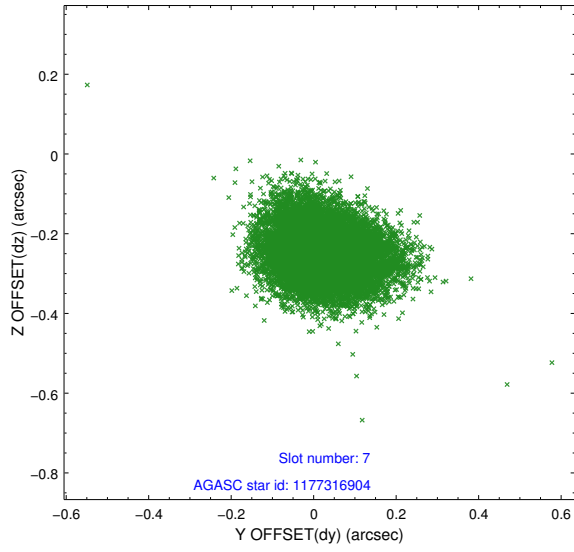
2.4.3 Slot 5



2.4.4 Slot 6

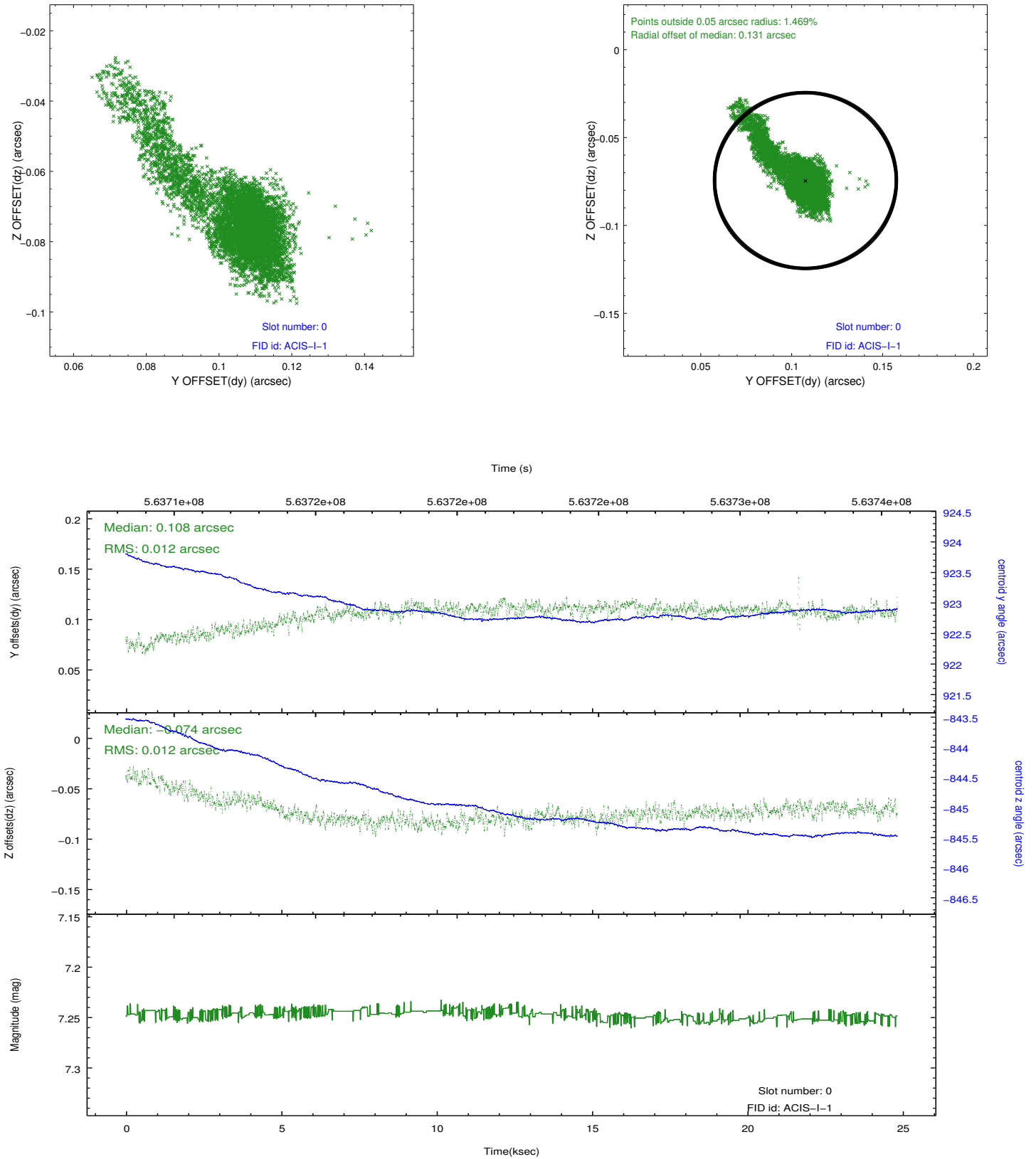


2.4.5 Slot 7

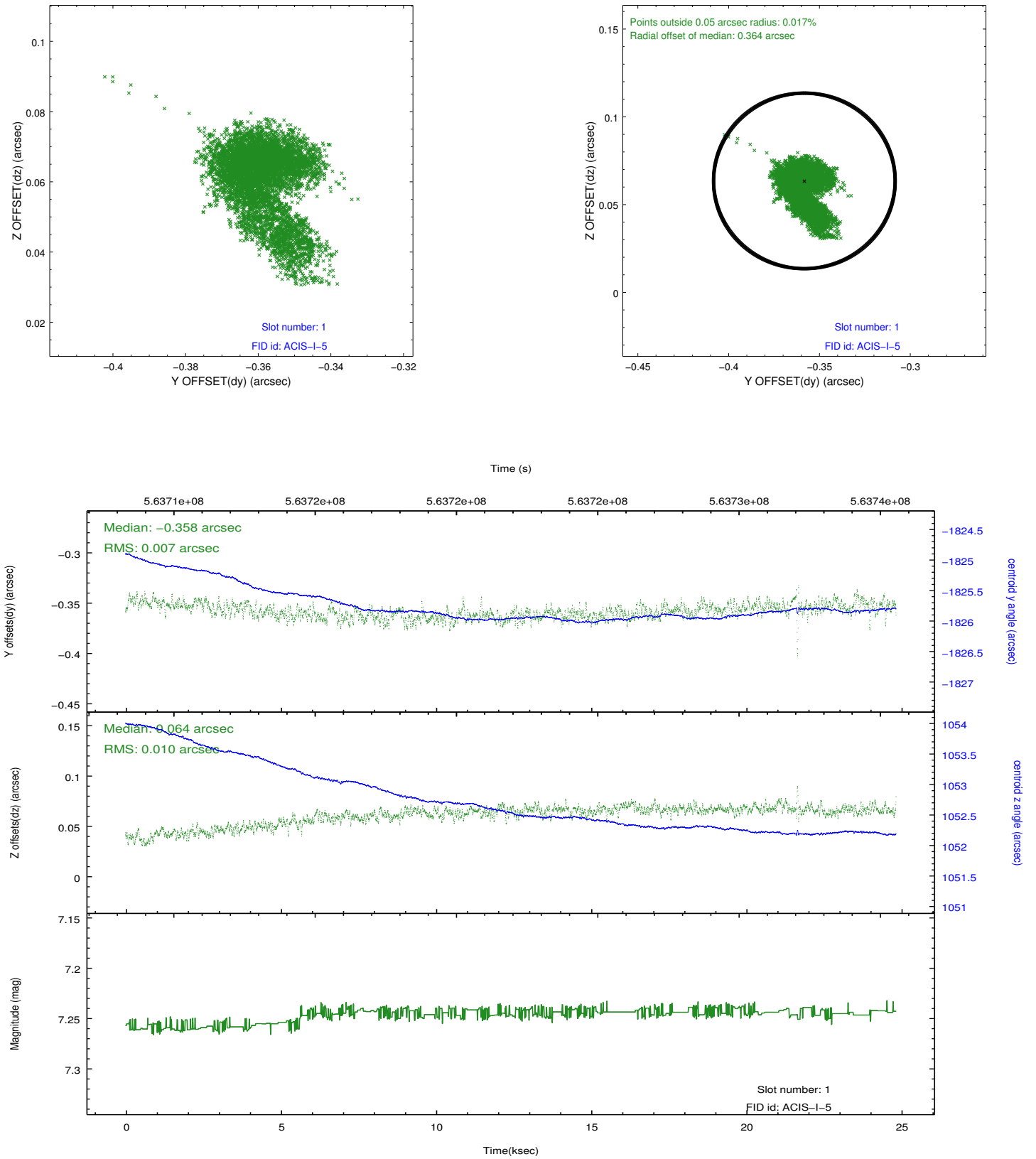


2.5 FID Slots

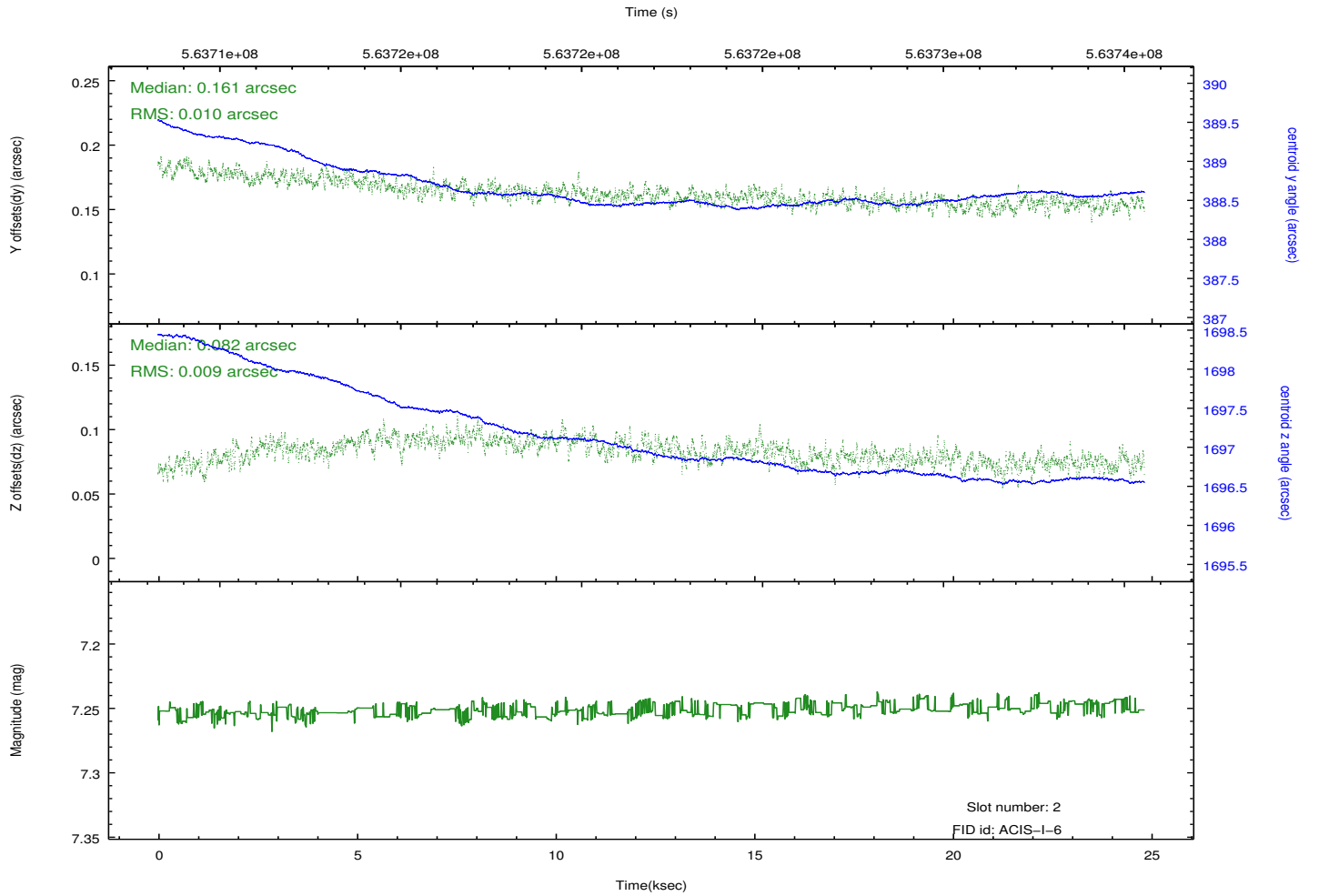
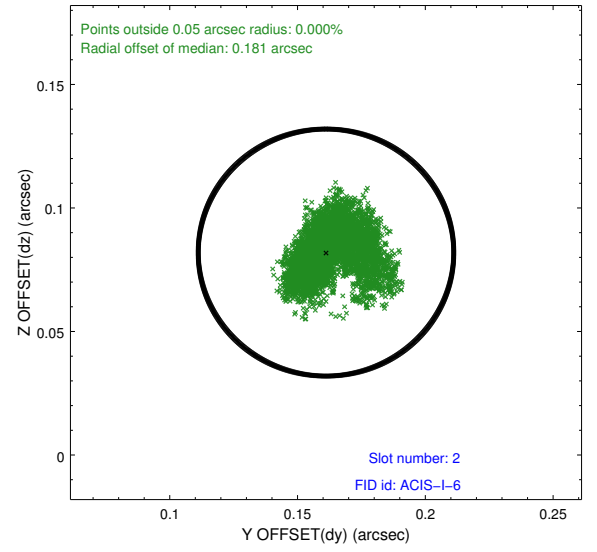
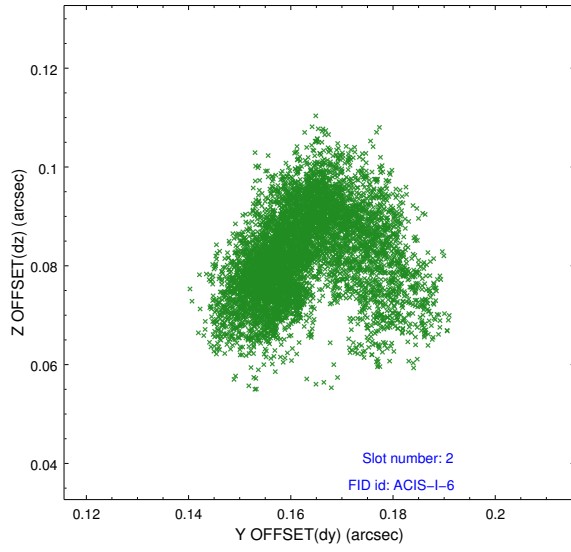
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.731759230137

A.2 Comments