

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 16675 - L2 Version 1
Chandra X-Ray Center

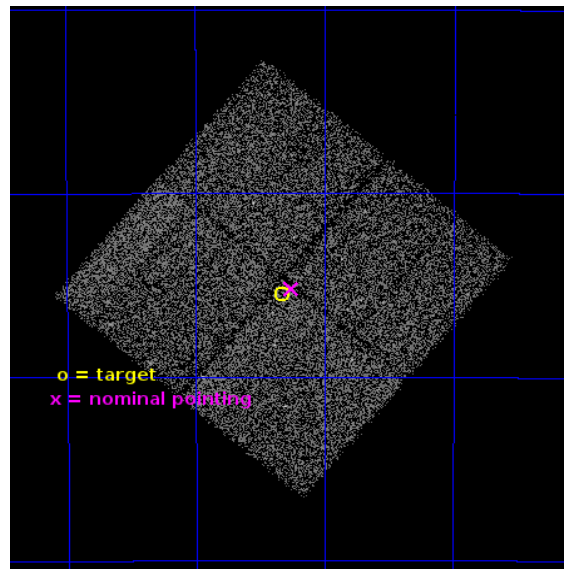
L2 Processing Date : Nov 5 2015

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1 Front

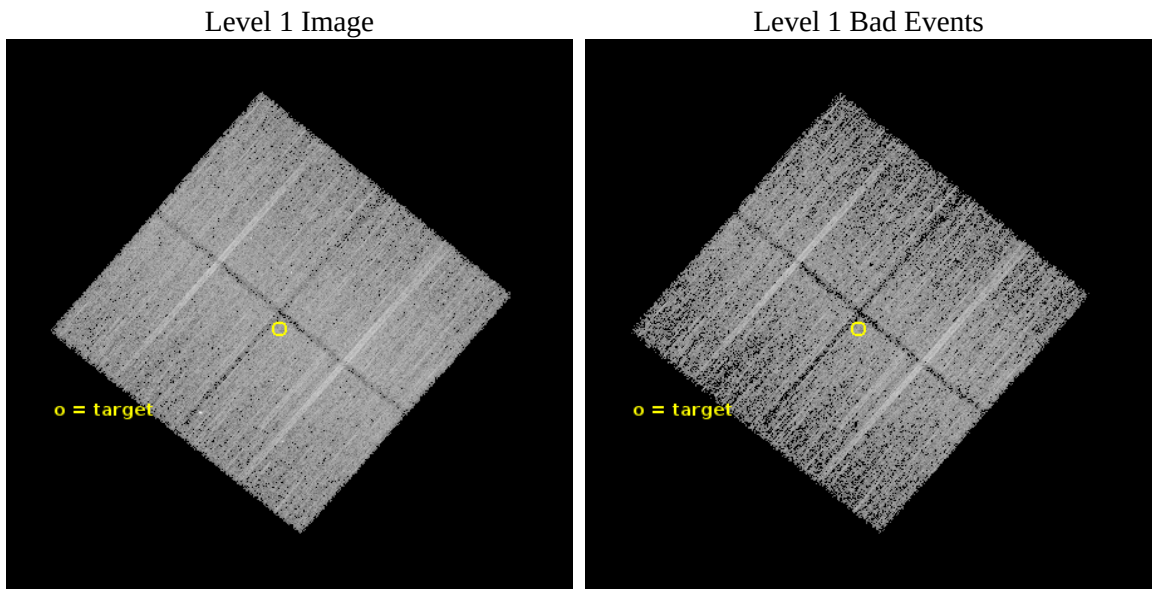
seq_num	200996	Sequence number
obs_id	16675	Observation id
title	X-Ray Investigation of the Most Luminous OB Association in the Galaxy	Proposal title
observer	Dr Mubdi Rahman	Principal investigator
object	Dragonfish Association	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.08375	Observer's specified target RA [deg]
dec_targ	-63.258583	Observer's specified target Dec [deg]
ra_nom	183.06463888828	Nominal RA [deg]
dec_nom	-63.253436205651	Nominal Dec [deg]
roll_nom	130.19161713169	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20083.873248935	Sum of GTIs [s]
livetime	19821.462659405	Livetime [s]
ontime0	20086.89108932	Sum of GTIs [s]
ontime1	20083.791139007	Sum of GTIs [s]
ontime2	20086.973169327	Sum of GTIs [s]
ontime3	20083.873248935	Sum of GTIs [s]
l2events	44290	Number of level 2 events



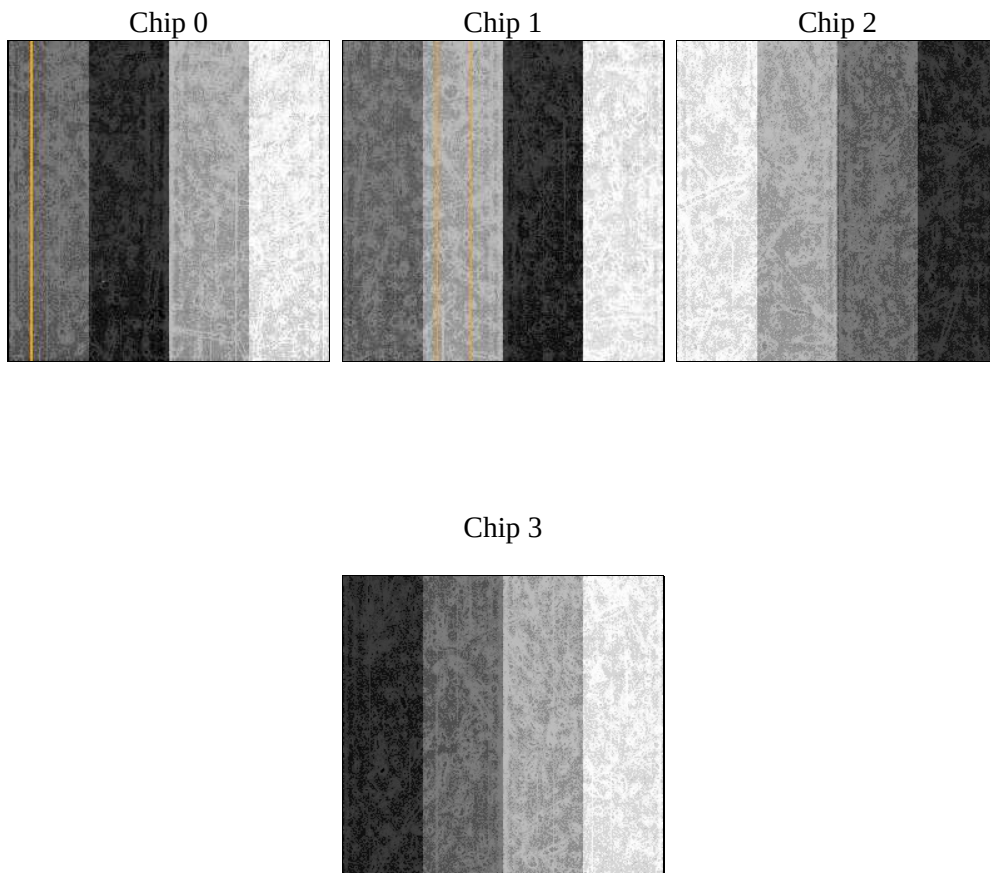
2 OBI

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	10.4.2.1	Processing system revision	ontime	20083.873248935	Sum of GTIs [s]
caldsver	4.6.10a	 	ontime0	20086.89108932	Sum of GTIs [s]
date	2015-11-05T23:40:08	Date and time of file creation	ontime1	20083.791139007	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	20086.973169327	Sum of GTIs [s]
			ontime3	20083.873248935	Sum of GTIs [s]
			l1events	407286	Number of level 1 events

2.1.4 Events

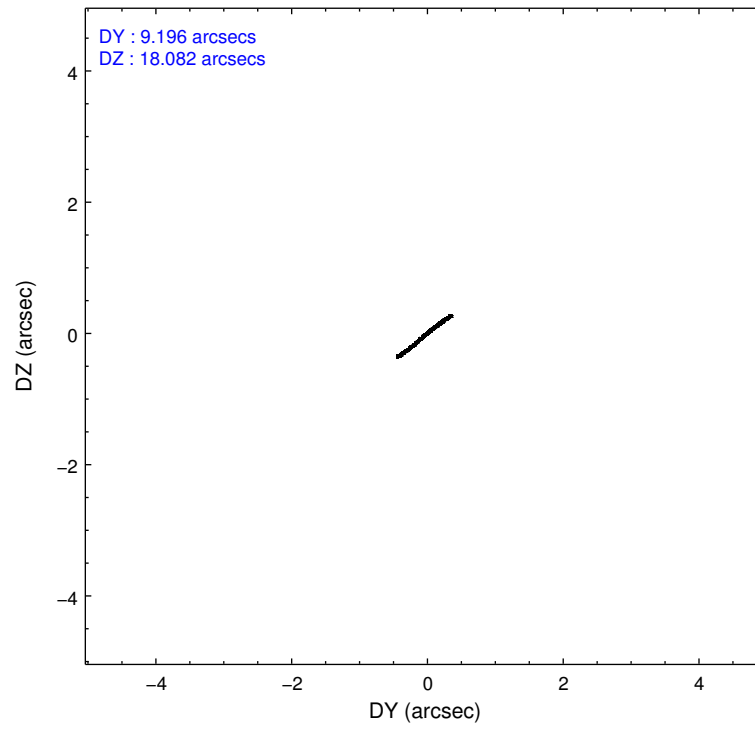
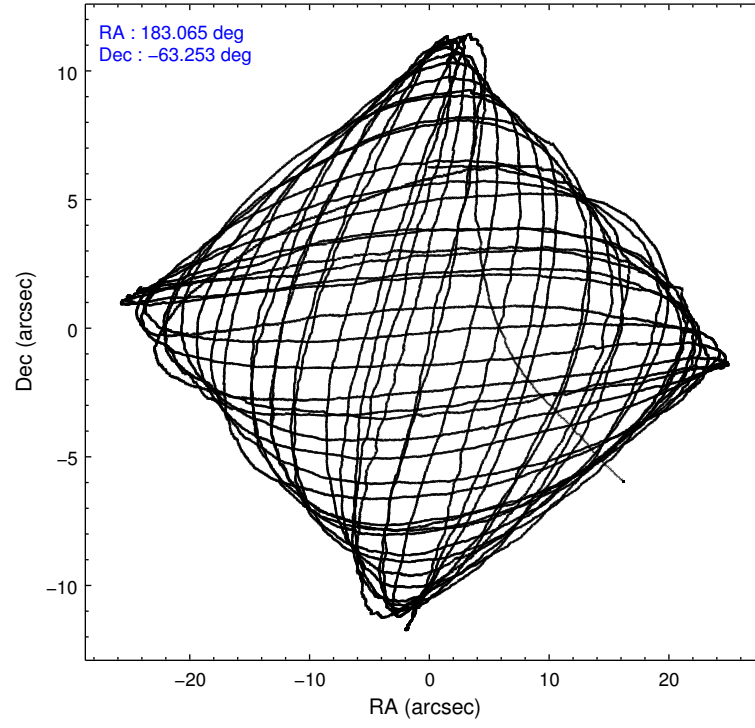
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	97059	98076	109832	102319
rejected events	84045	84126	96980	89388
rejected %	86%	85%	88%	87%

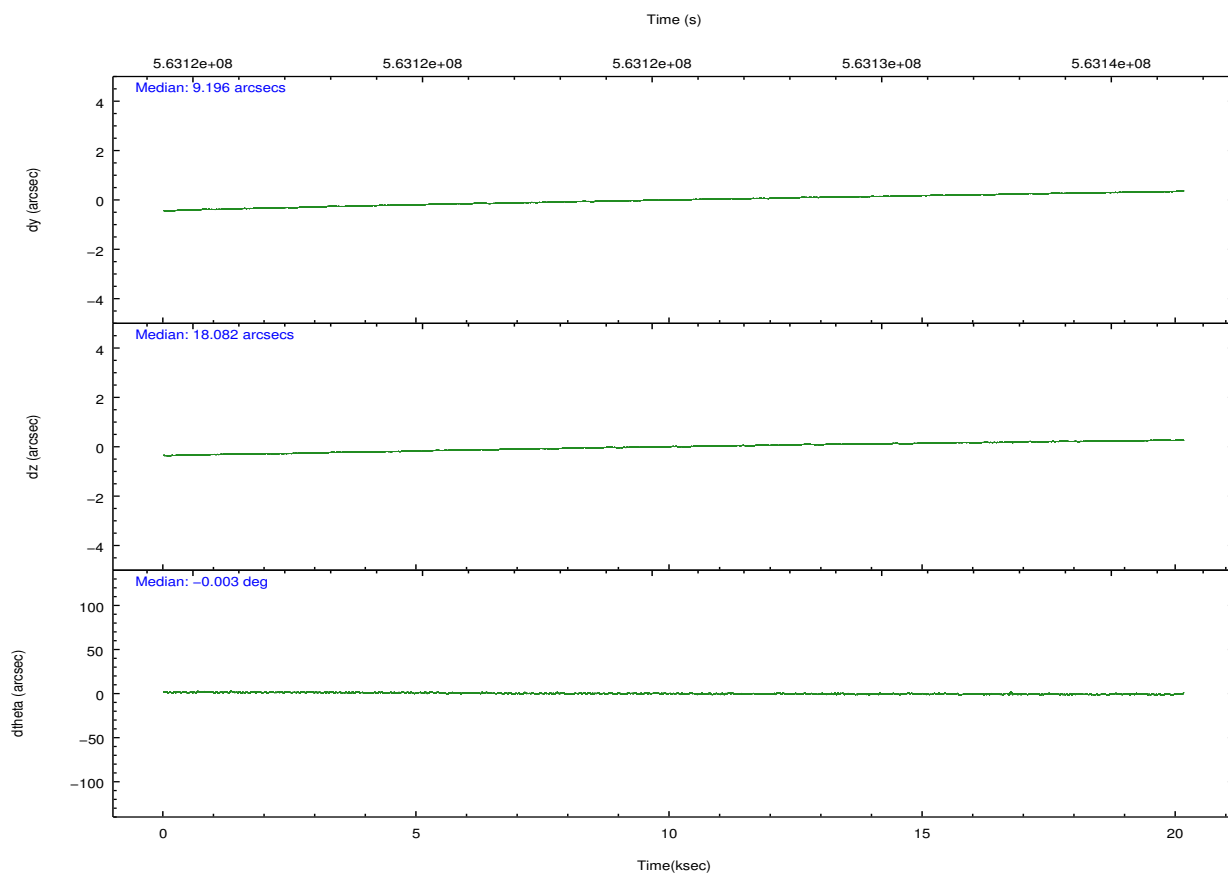
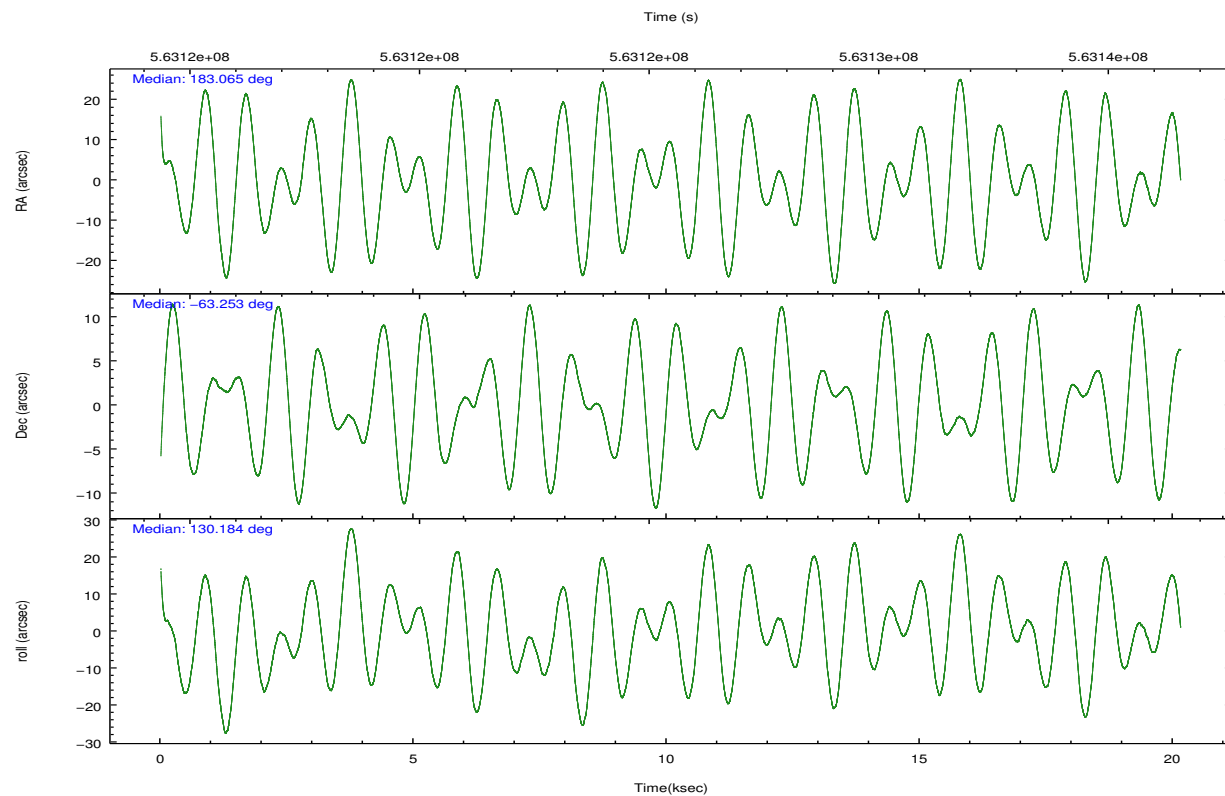
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4951	4915	4708	5204
	5%	5%	4%	5%
grade 1 events	68	56	58	85
	0%	0%	0%	0%
grade 2 events	3140	3495	3136	2725
	3%	3%	2%	2%
grade 3 events	1315	1268	1221	1280
	1%	1%	1%	1%
grade 4 events	1220	1332	1289	1230
	1%	1%	1%	1%
grade 5 events	4910	5236	4626	5559
	5%	5%	4%	5%
grade 6 events	2392	2947	2498	2495
	2%	3%	2%	2%
grade 7 events	79063	78827	92296	83741
	81%	80%	84%	81%

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	183.0646388882805	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.262713	-63.25343620565114	Alternating exposures requested	N	N
[deg] Pointing Roll	130.034520	130.1916171316878	[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	-233.5899487761303			
[mm] SIM translation stage offset	0	-0.002504226799430853			
[s] Observation start time (MET)	563115560.184000	563114268.1883301			
Observation start date	2015-11-05T12:58:12	2015-11-05T12:37:48			
[s] Observation end time (MET)	563135560.184000	563136202.67707			
Observation end date	2015-11-05T18:31:32	2015-11-05T18:43:22			
Read mode	TIMED	TIMED			

2.3 Aspect



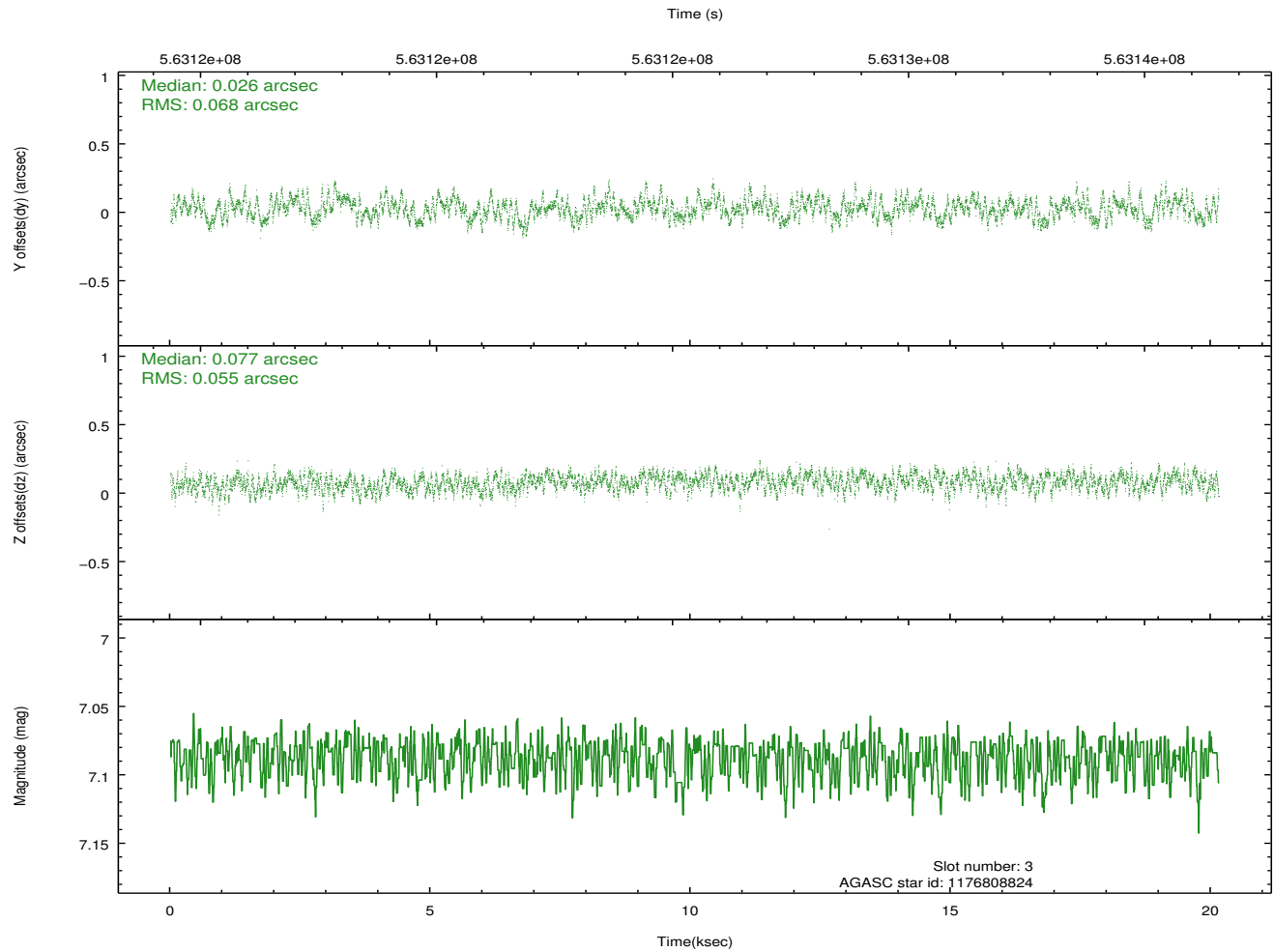
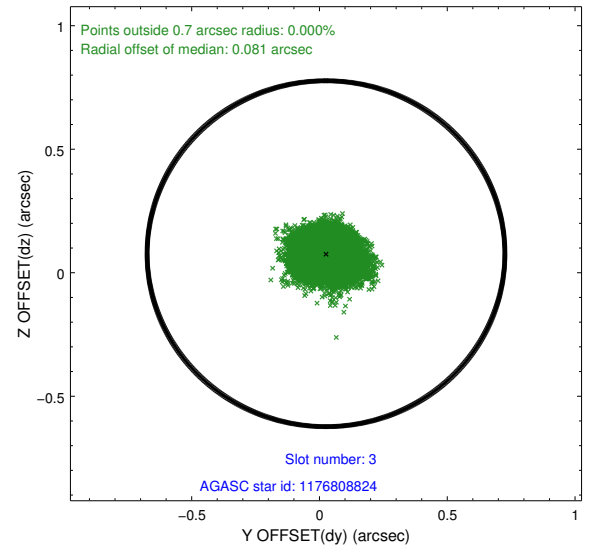
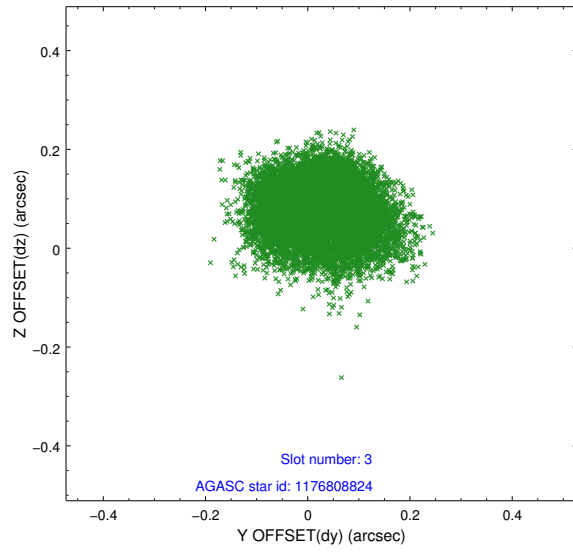


Slot Statistics

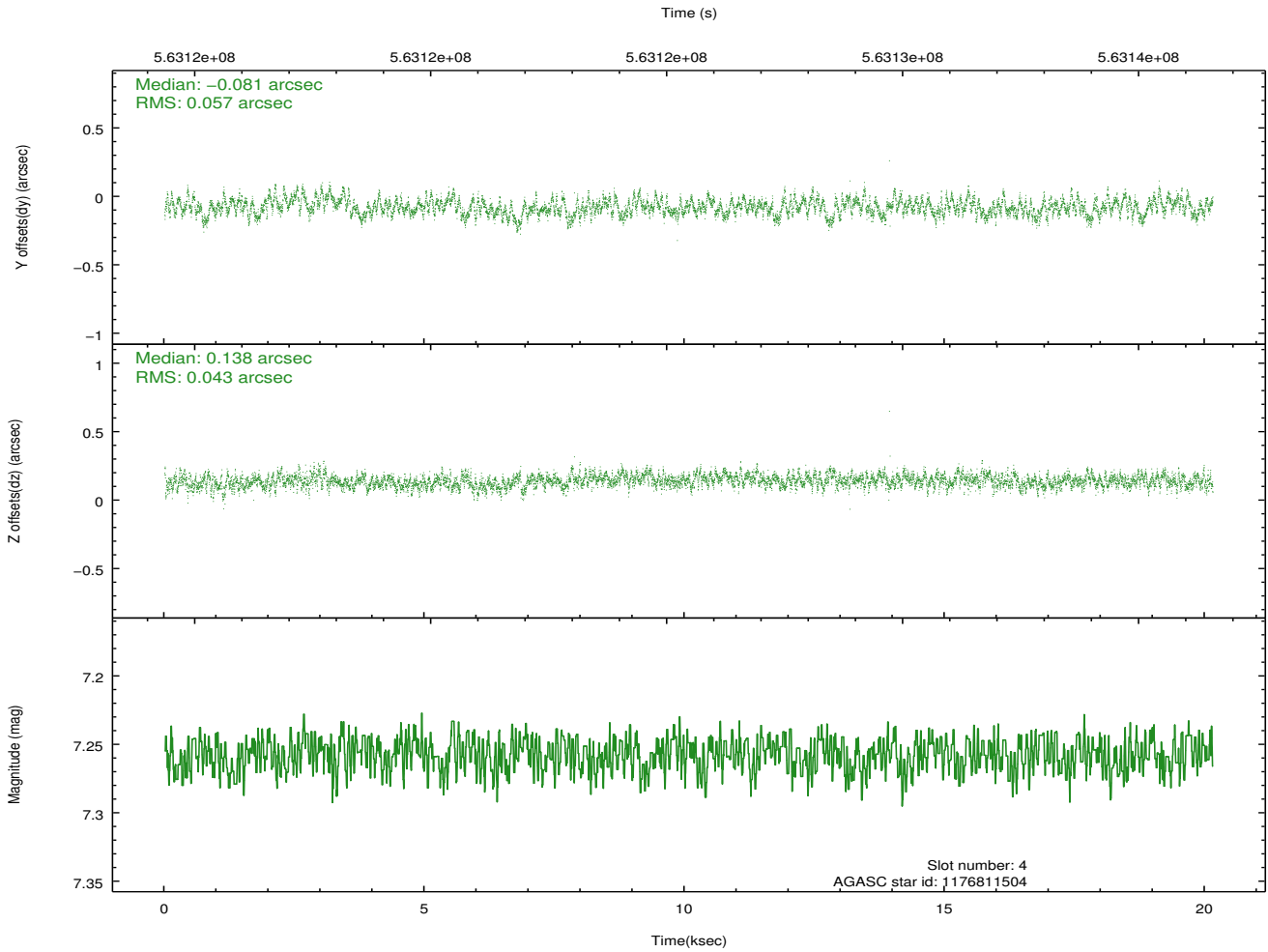
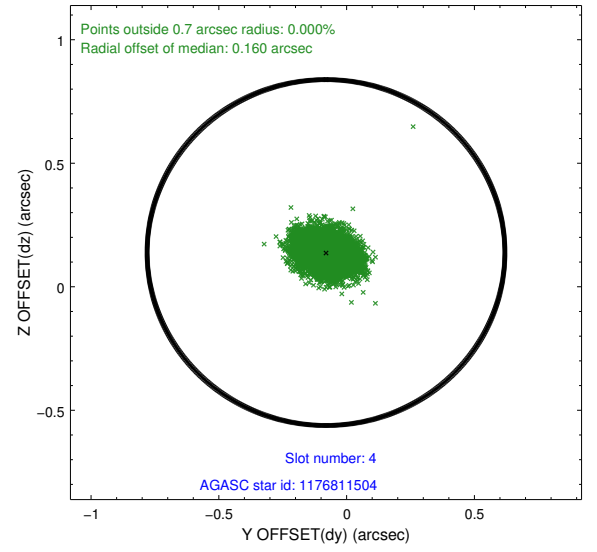
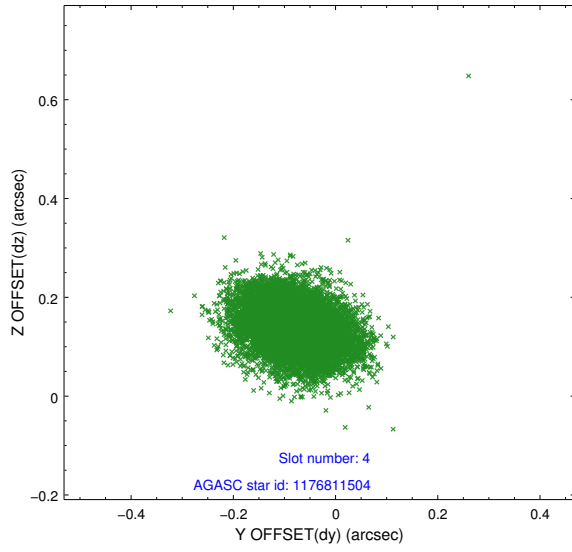
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	4913	0.080	-0.004	0.022	0.041	0.000000	0.000000	930.52	-841.70
1	FID		ACIS-I-5	7.24	4914	-0.262	0.078	0.011	0.019	0.000000	0.000000	-1817.85	1055.75
2	FID		ACIS-I-6	7.24	4913	0.089	-0.001	0.014	0.023	0.000000	0.000000	395.84	1700.41
3	GUIDE	used	1176808824	7.09	9826	0.026	0.077	0.096	0.146	184.159290	-63.197902	-912.59	-1428.17
4	GUIDE	used	1176811504	7.26	9828	-0.081	0.138	0.076	0.124	183.821836	-62.887748	290.71	-1742.64
5	GUIDE	used	1177316856	8.53	9827	0.037	-0.029	0.095	0.156	182.838504	-63.967858	-1656.06	1976.82
6	GUIDE	used	1177318928	7.59	9827	-0.009	0.010	0.072	0.118	183.098145	-63.852646	-1601.66	1395.83
7	GUIDE	used	1177316904	8.54	9824	0.023	-0.198	0.096	0.160	182.458956	-63.915853	-1129.38	2320.08

2.4 Star Slots

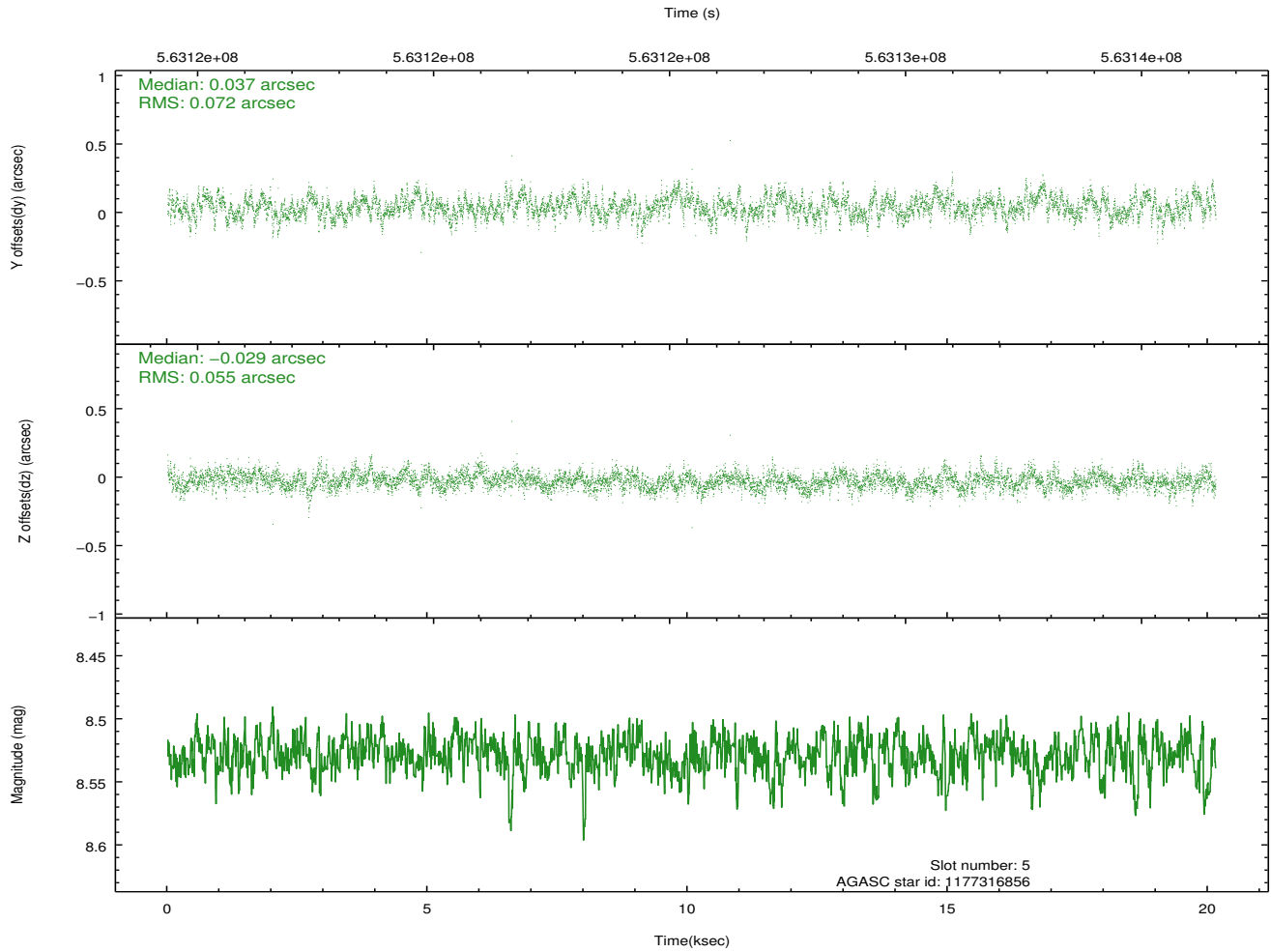
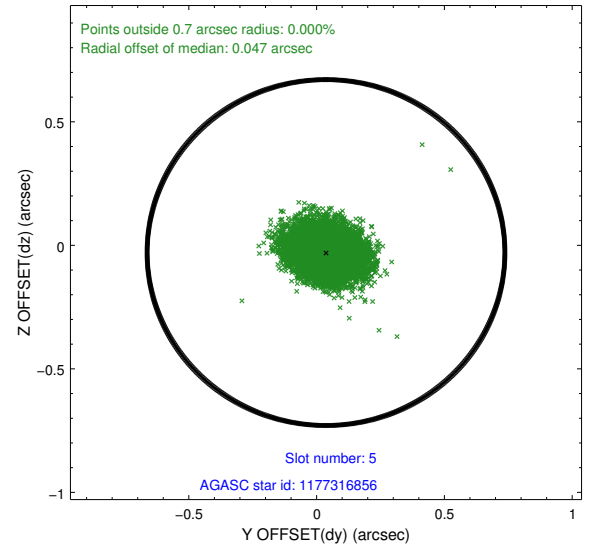
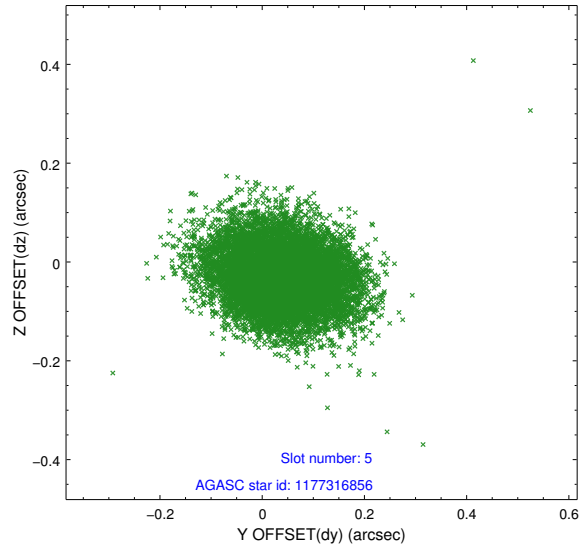
2.4.1 Slot 3



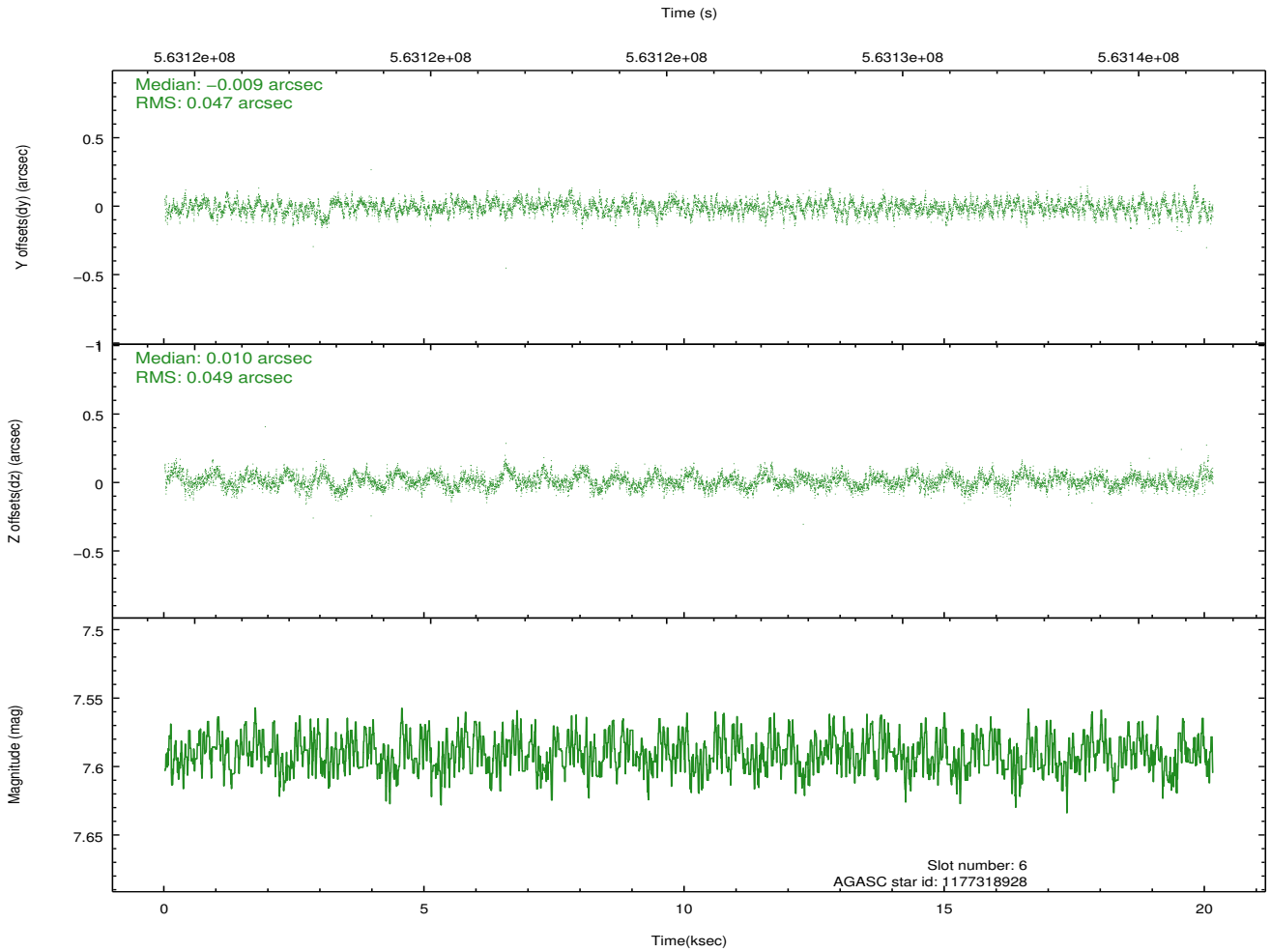
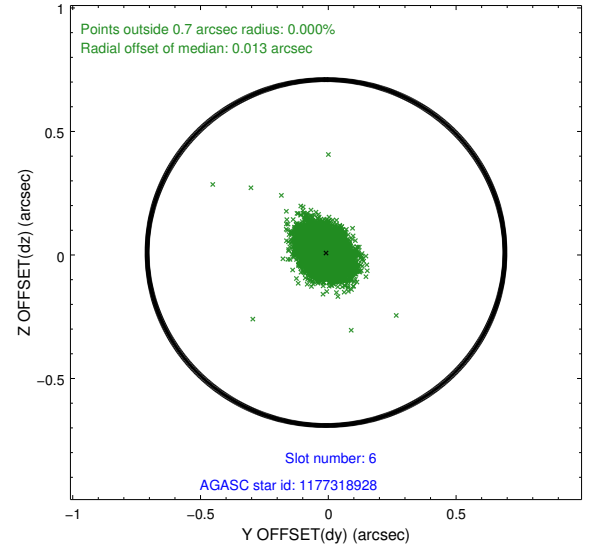
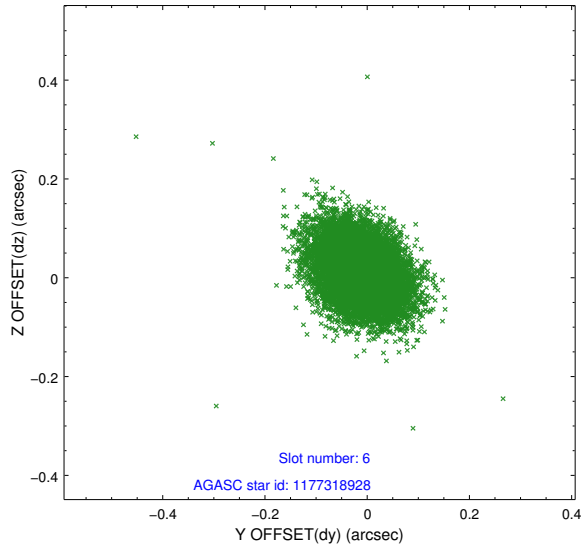
2.4.2 Slot 4



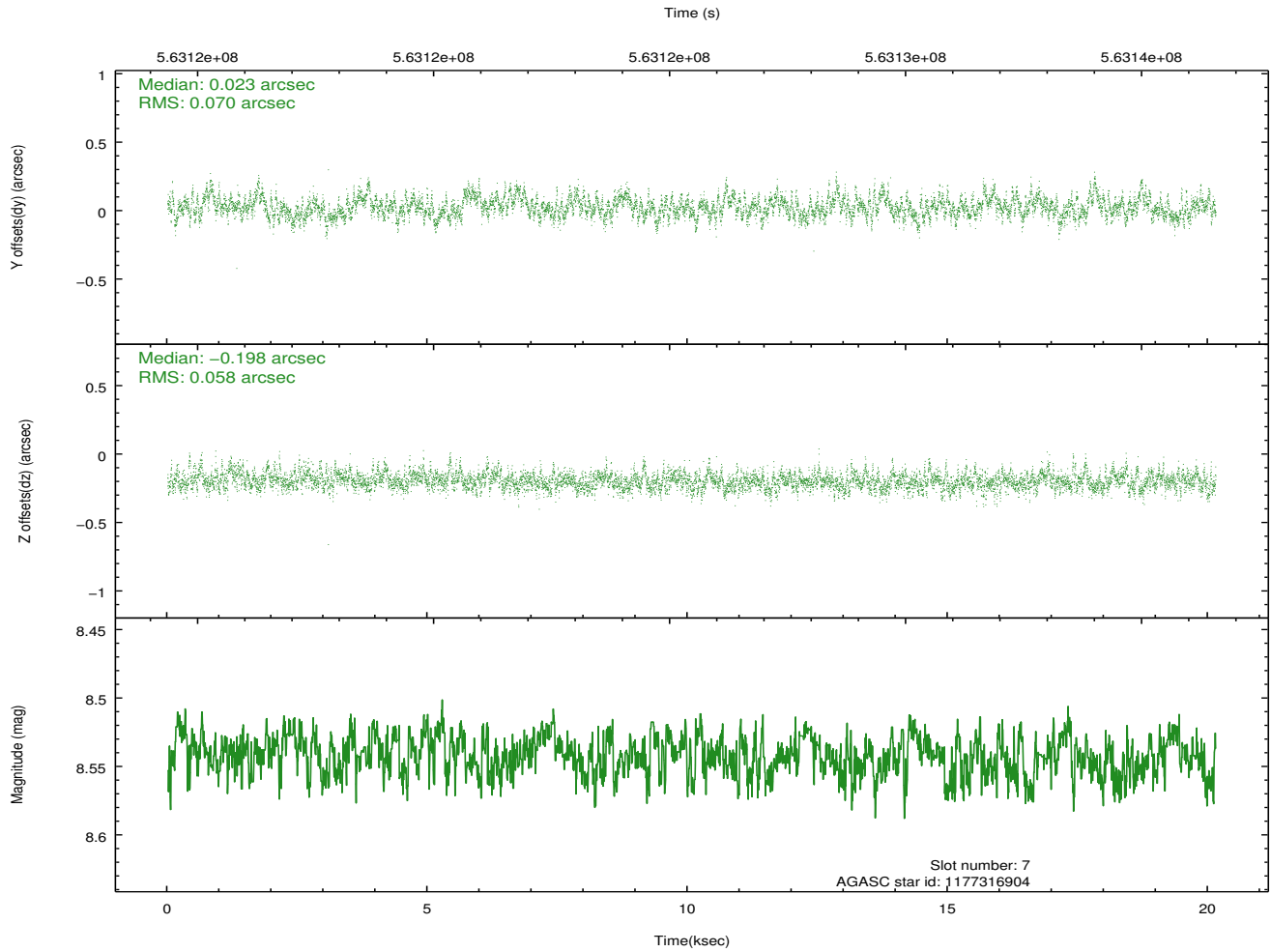
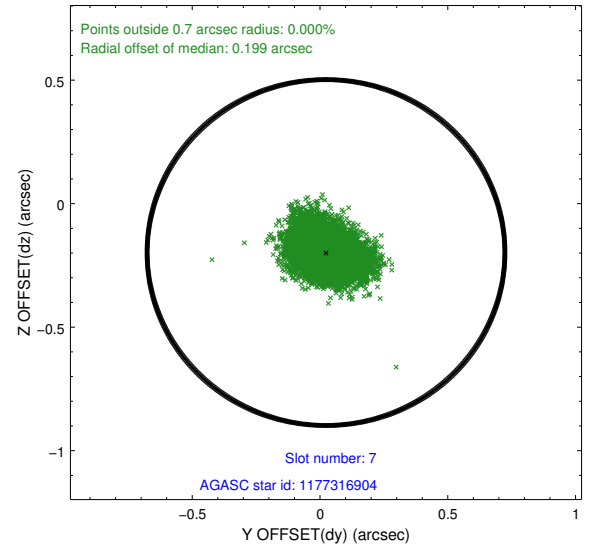
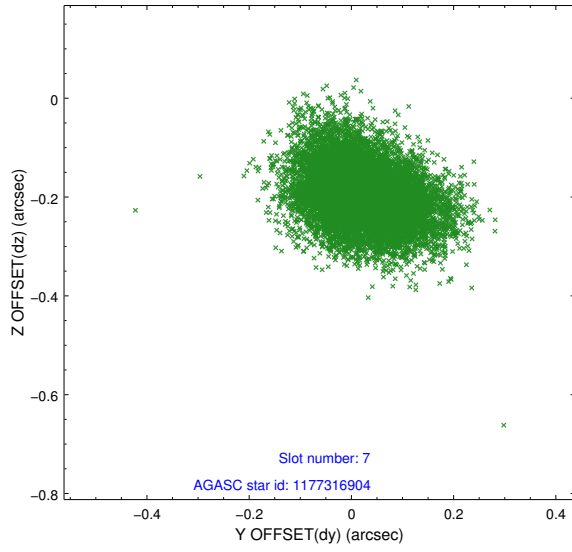
2.4.3 Slot 5



2.4.4 Slot 6

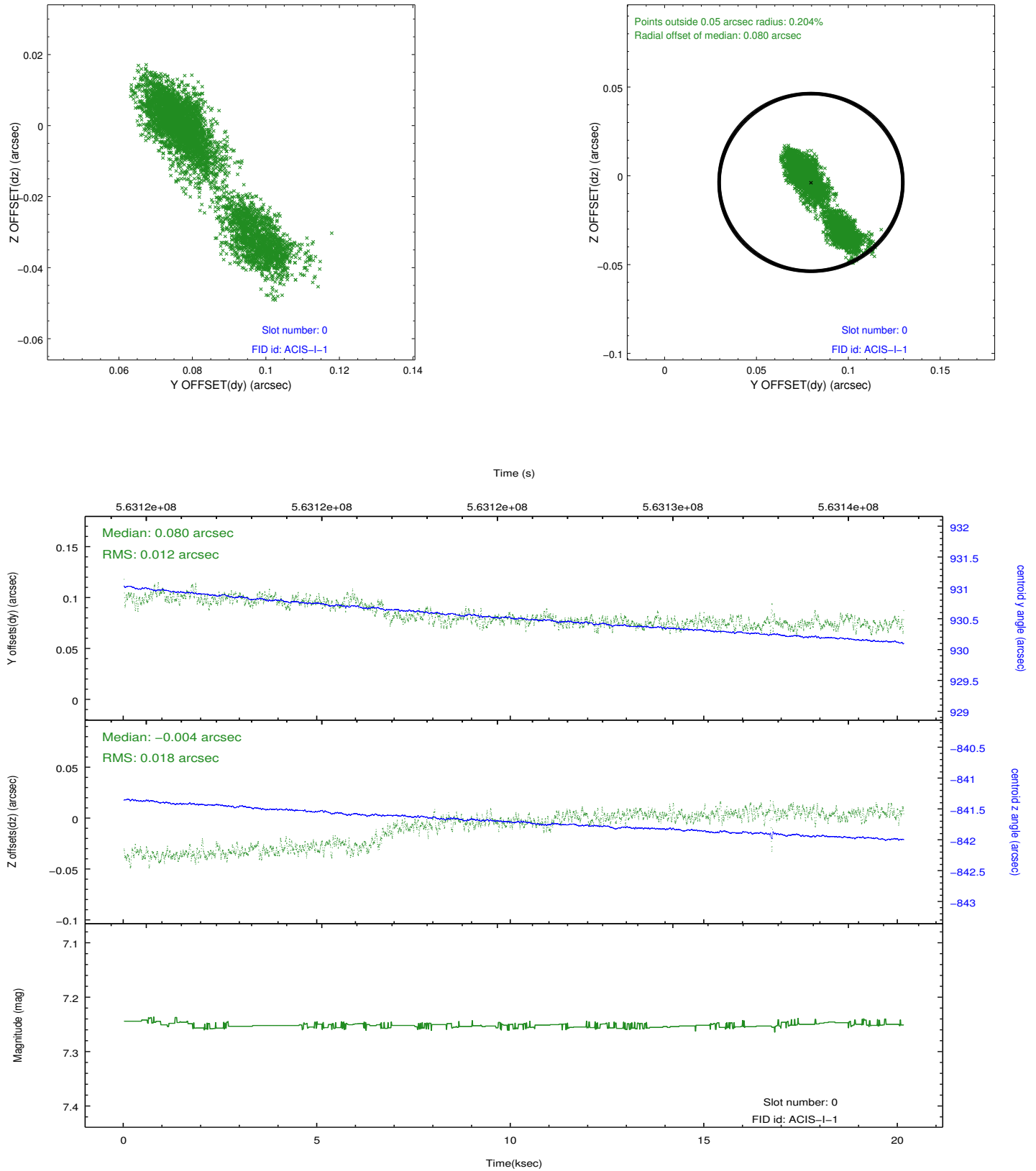


2.4.5 Slot 7

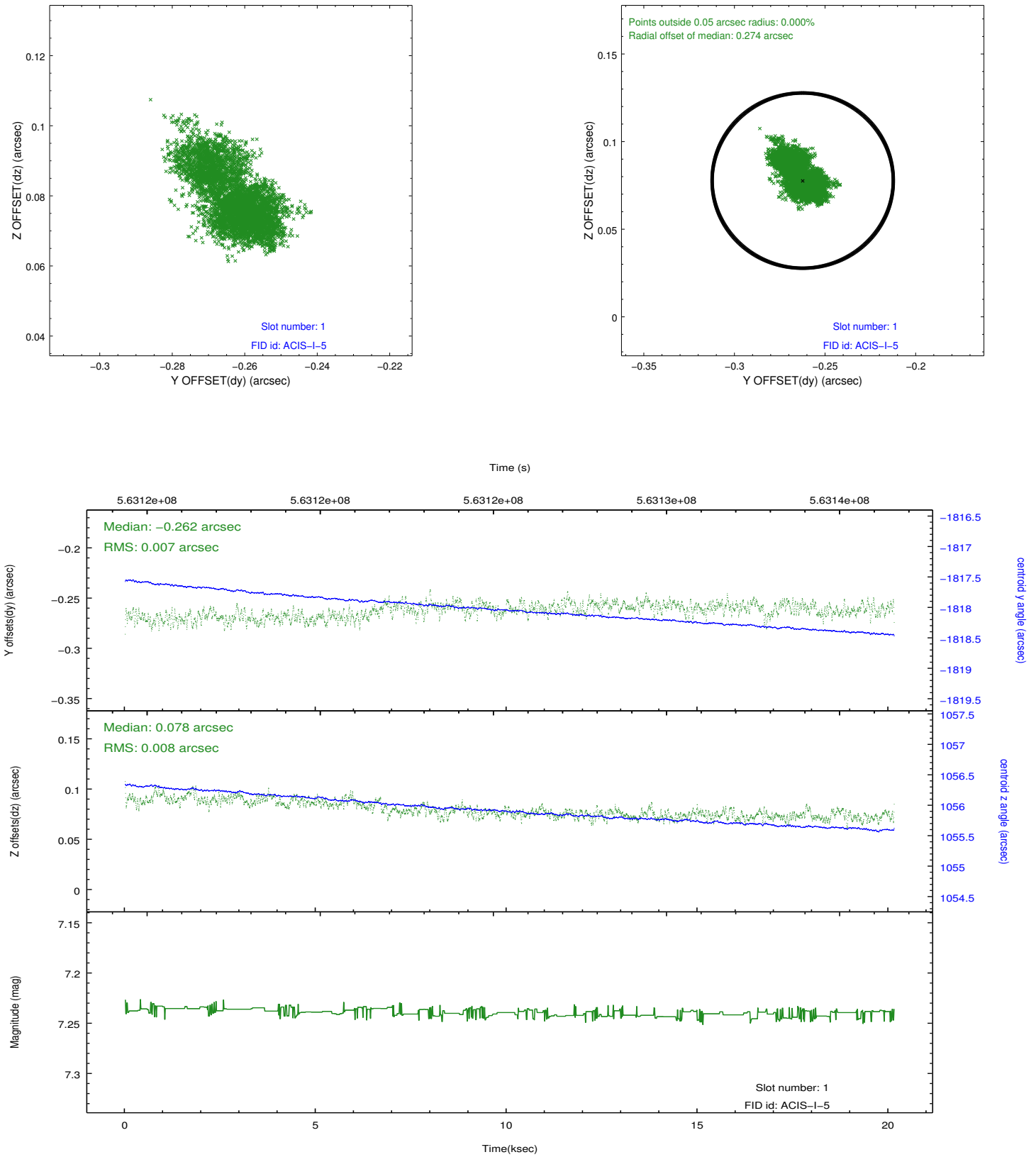


2.5 FID Slots

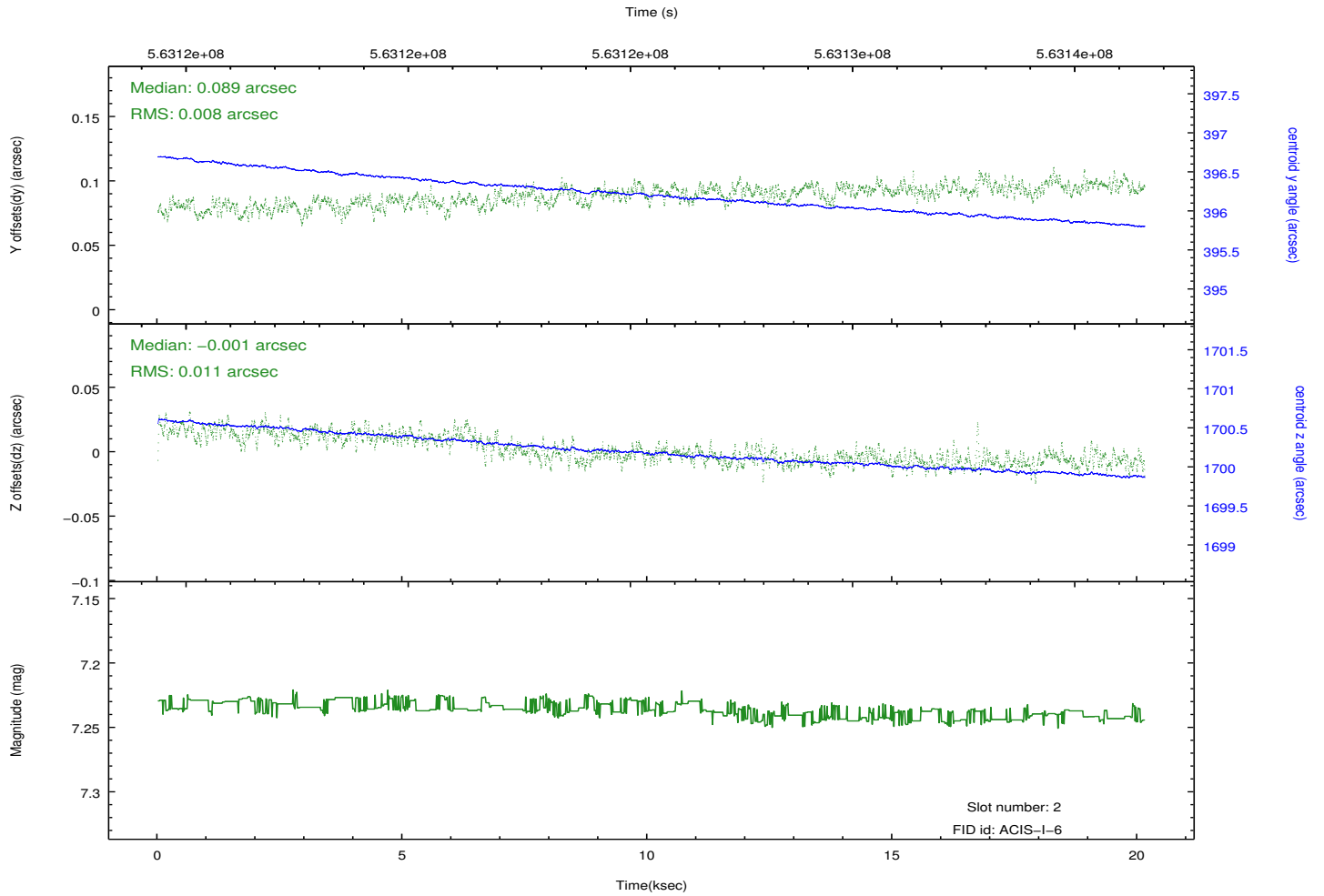
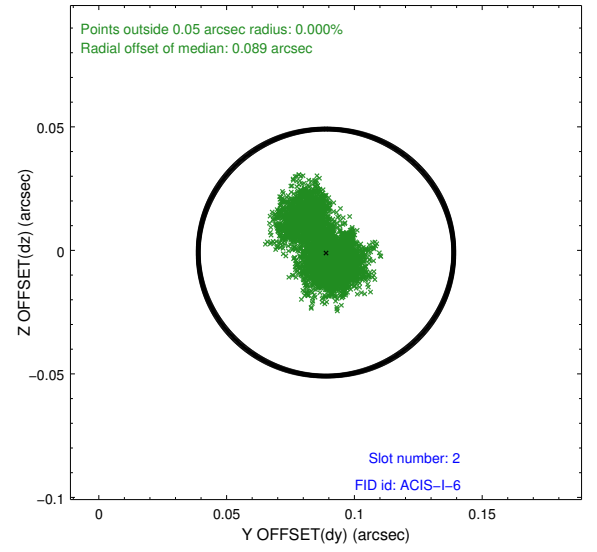
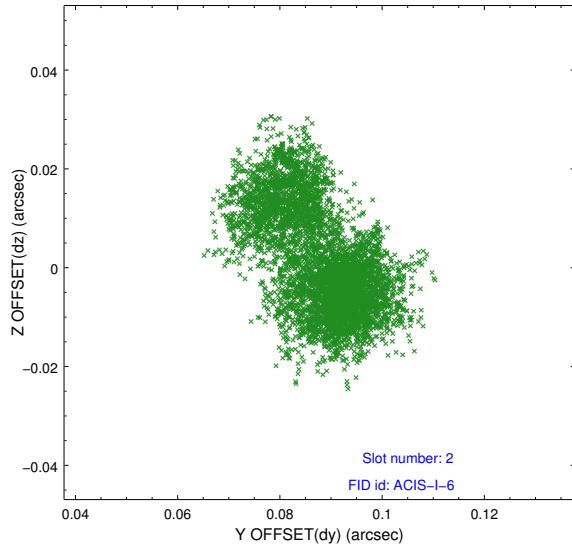
2.5.1 Slot 0



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)	2015.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.083873248935

A.2 Comments