

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10244 - L2 Version 2
Chandra X-Ray Center

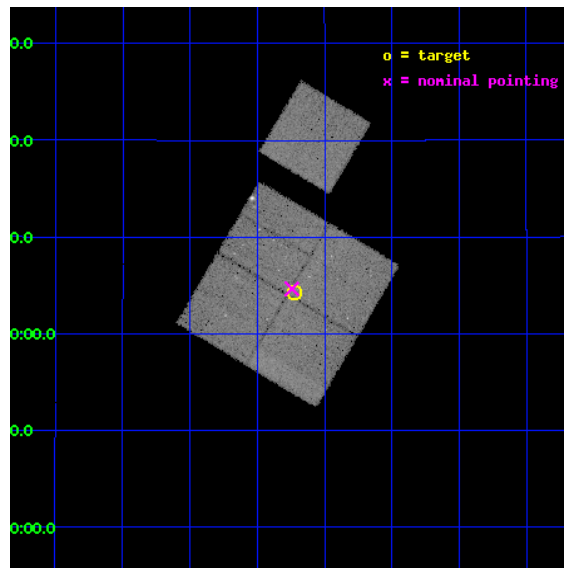
L2 Processing Date : Jun 18 2012

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1 Front

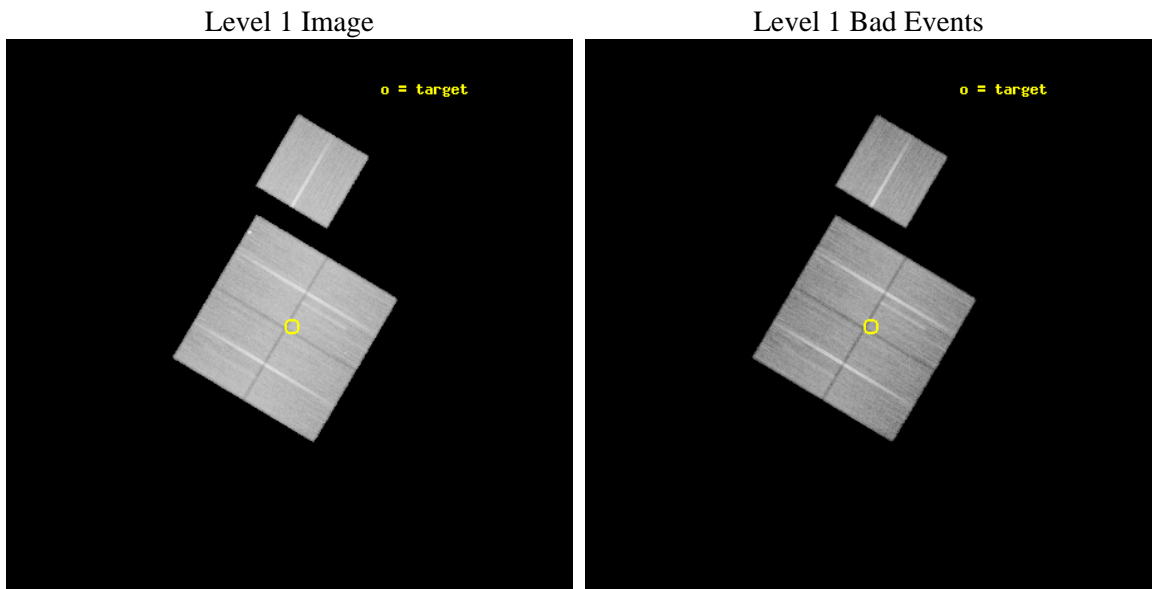
seq_num	701787	Sequence number
obs_id	10244	Observation id
title	The multi-faceted X-ray activity of low-redshift active galaxies	P
observer	Prof Mark Birkinshaw	Principal investigator
object	3C 326 W	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.93	Observer's specified target RA [deg]
dec_targ	20.071583	Observer's specified target Dec [deg]
ra_nom	237.93577120349	Nominal RA [deg]
dec_nom	20.07758048277	Nominal Dec [deg]
roll_nom	30.67736973742	Nominal Roll [deg]
revision	2	Processing version of data
ontime	36173.900278211	Sum of GTIs [s]
livetime	35701.261640238	Livetime [s]
ontime0	36161.33643645	Sum of GTIs [s]
ontime1	36170.759337783	Sum of GTIs [s]
ontime2	36167.618387222	Sum of GTIs [s]
ontime3	36173.900278211	Sum of GTIs [s]
ontime6	36161.336327195	Sum of GTIs [s]
l2events	141615	Number of level 2 events



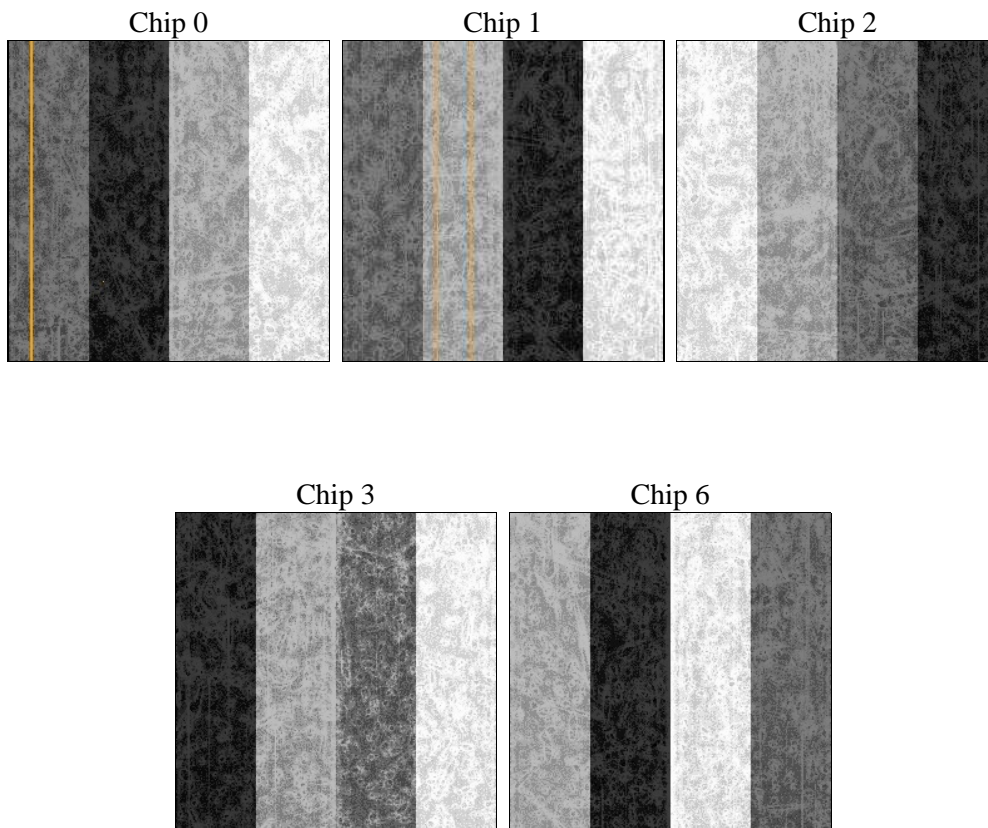
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	36173.900278211	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	36161.33643645	Sum of GTIs [s]
date	2012-06-18T07:33:13	Date and time of file creation	ontime1	36170.759337783	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	36167.618387222	Sum of GTIs [s]
			ontime3	36173.900278211	Sum of GTIs [s]
			ontime6	36161.336327195	Sum of GTIs [s]
			l1events	1589480	Number of level 1 events

2.1.4 Events

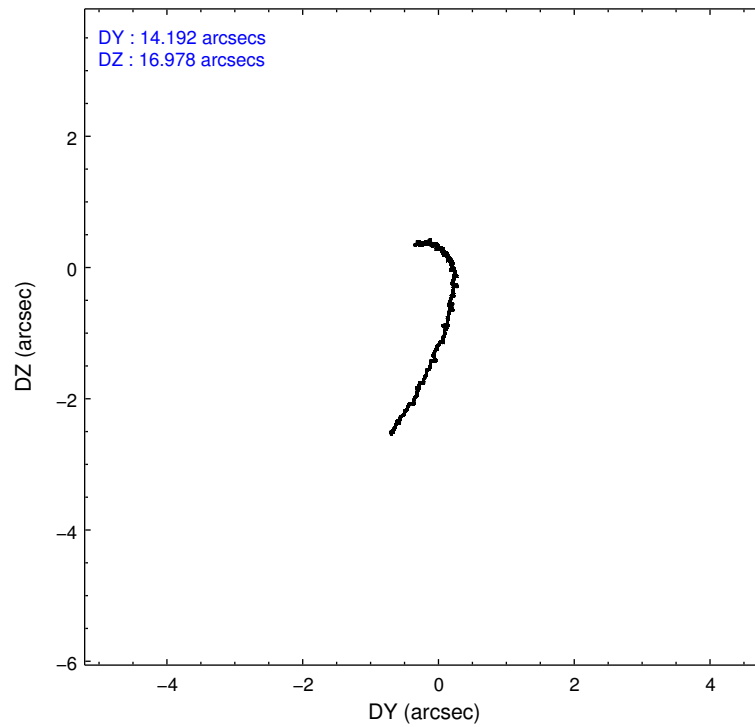
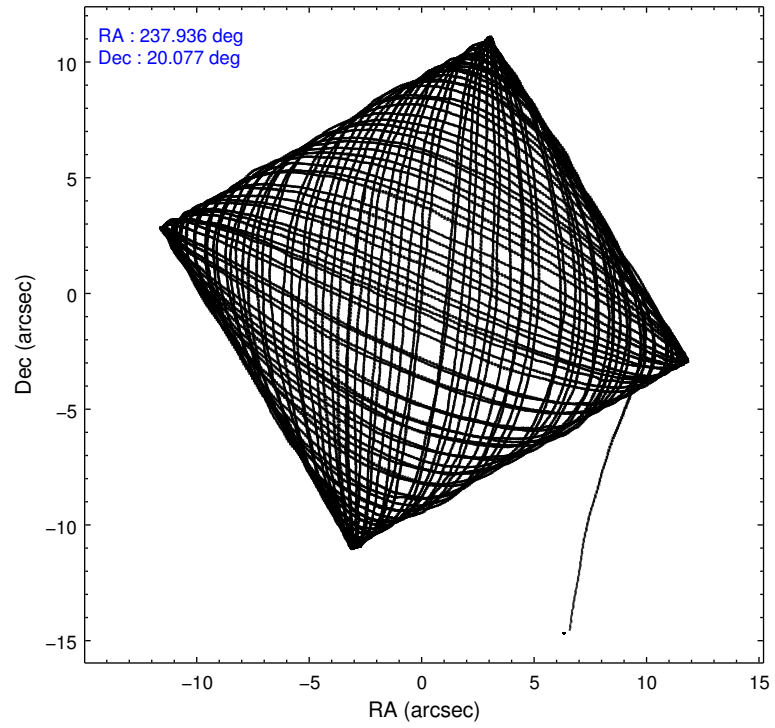
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	299784	305186	334064	323359	327087
rejected events	265783	268500	298963	291980	294070
rejected %	88%	87%	89%	90%	89%

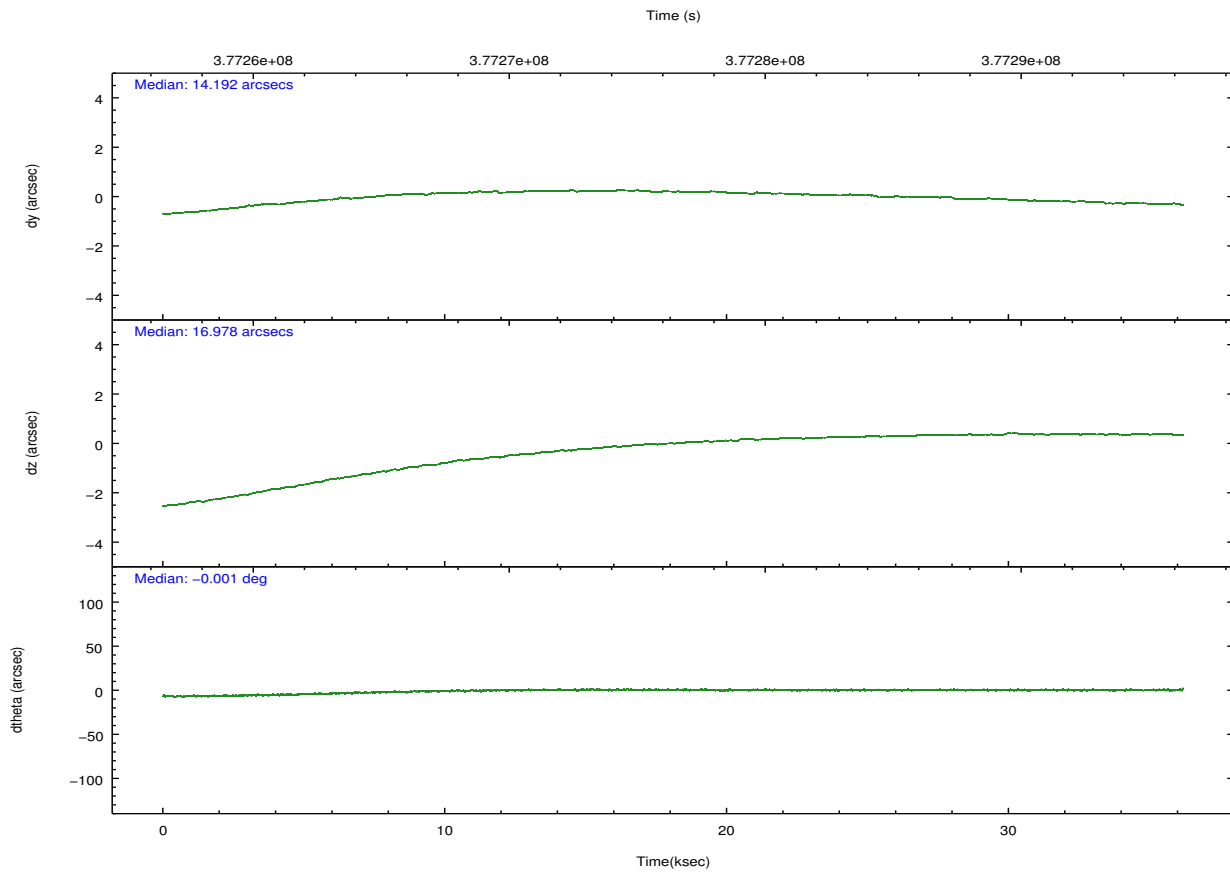
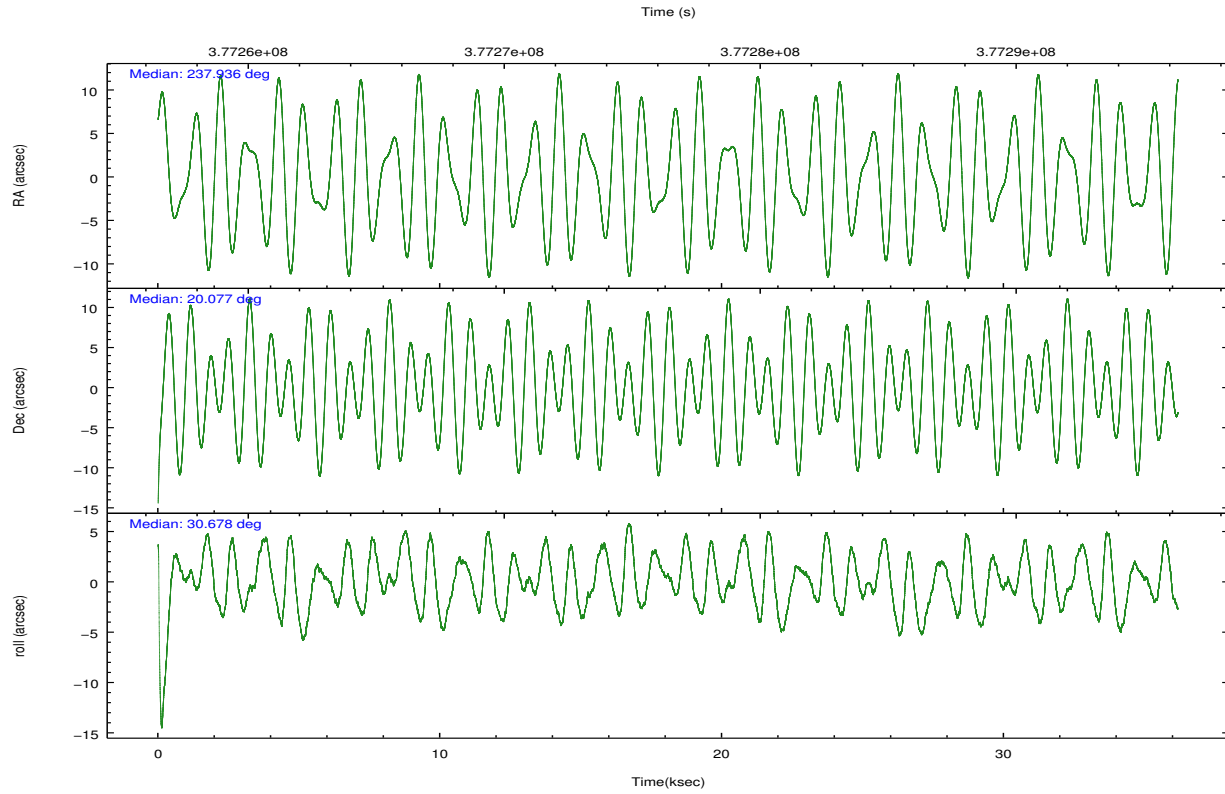
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	12299	13121	13777	11360	11515
	4%	4%	4%	3%	3%
grade 1 events	166	155	205	188	173
	0%	0%	0%	0%	0%
grade 2 events	8362	8641	8283	7022	7399
	2%	2%	2%	2%	2%
grade 3 events	3704	3941	3503	3418	3558
	1%	1%	1%	1%	1%
grade 4 events	3395	3797	3600	3447	3570
	1%	1%	1%	1%	1%
grade 5 events	12058	13019	11678	13466	13239
	4%	4%	3%	4%	4%
grade 6 events	6533	7500	6219	6410	7268
	2%	2%	1%	1%	2%
grade 7 events	253267	255012	286799	278048	280365
	84%	83%	85%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	237.921531	237.9357712034906	CCD I2 on	Y	Y
[deg] Pointing Dec	20.053557	20.0775804827703	CCD I3 on	Y	Y
[deg] Pointing Roll	30.473566	30.67736973741956	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	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	377258496.184000	377257345.58924	CCD S5 on	N	N
Observation start date	2009-12-15T10:00:30	2009-12-15T09:42:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	377294496.184000	377295178.85365	On-chip summing requested	N	N
Observation end date	2009-12-15T20:00:30	2009-12-15T20:12:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



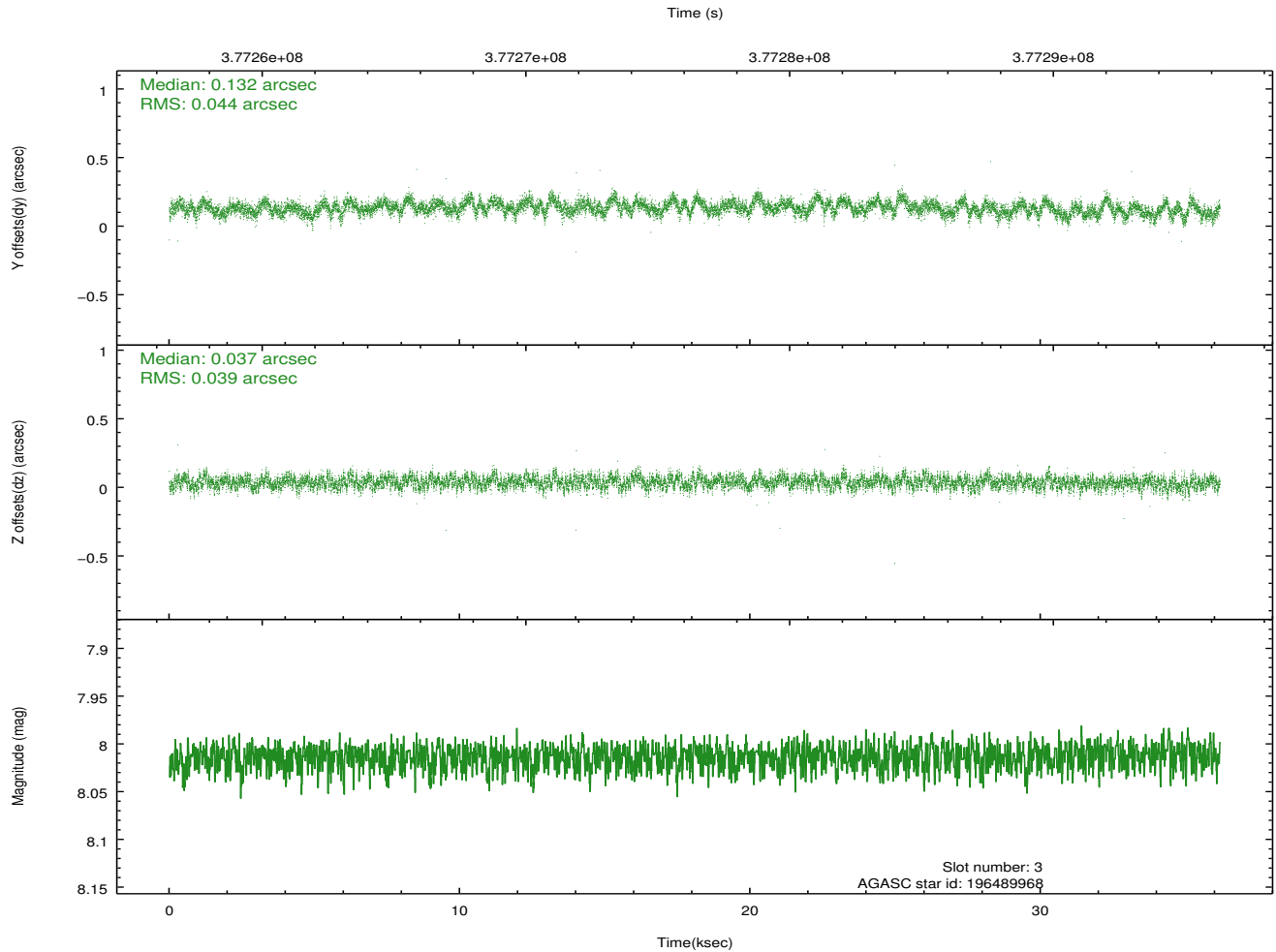
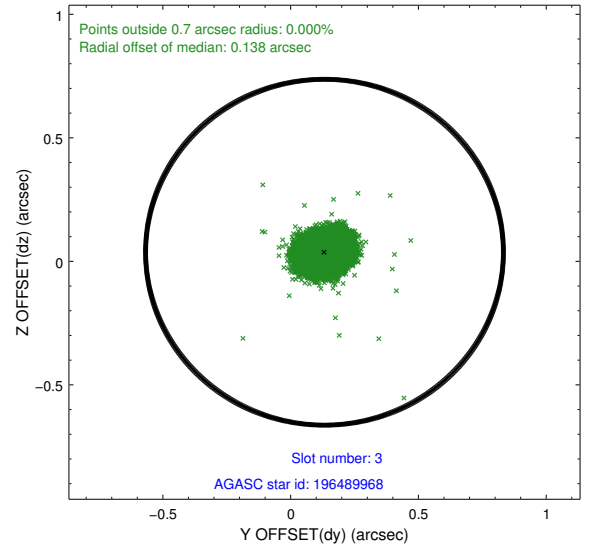
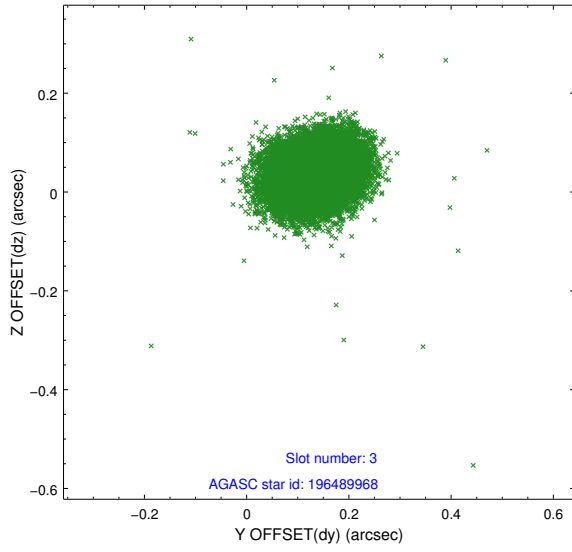


Slot Statistics

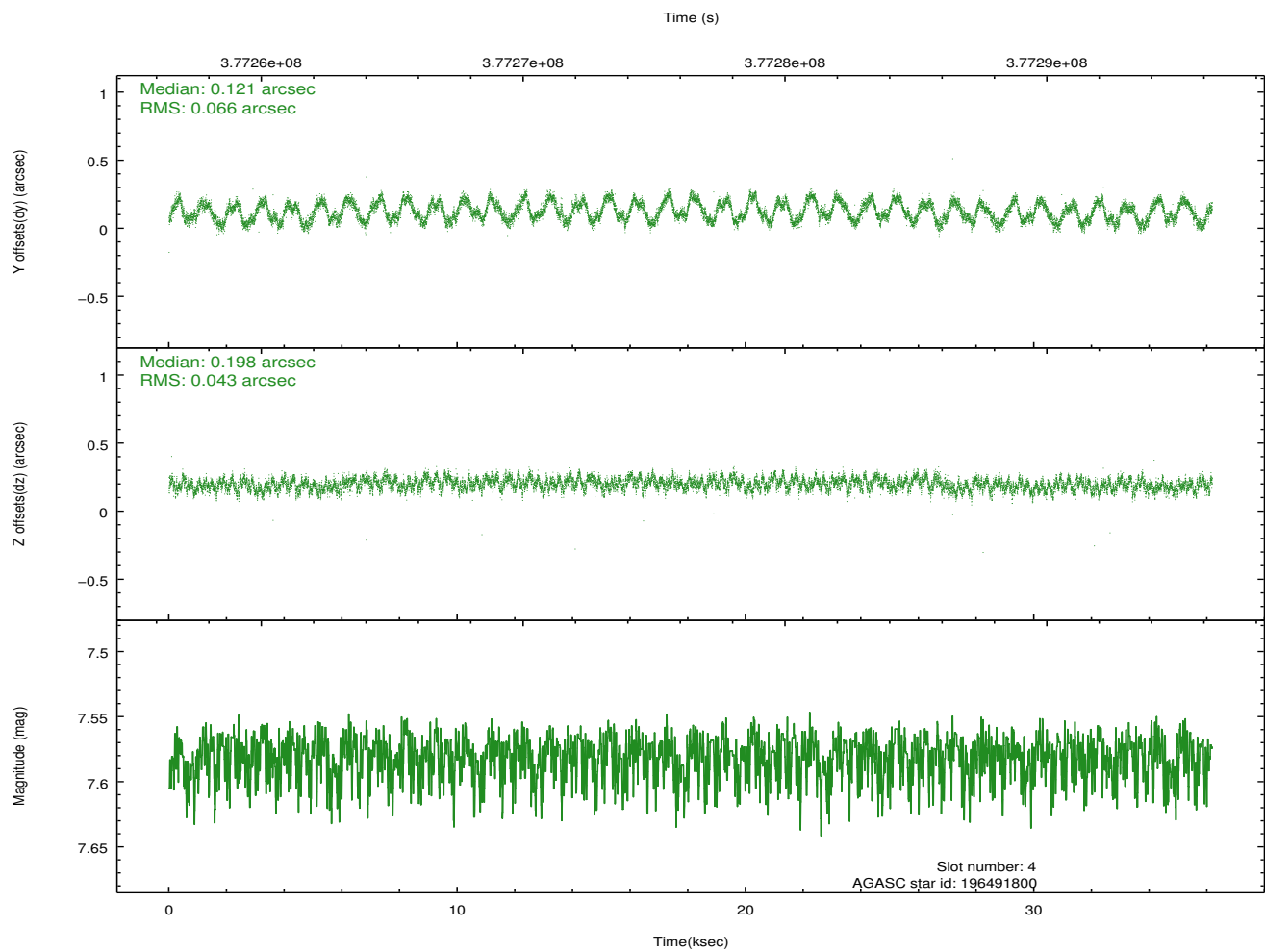
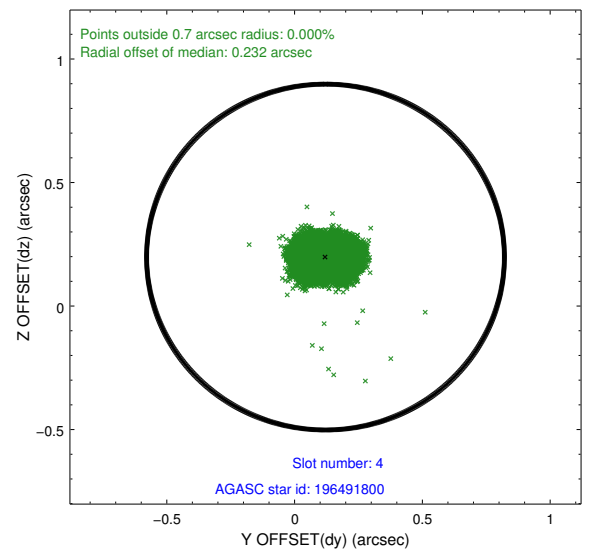
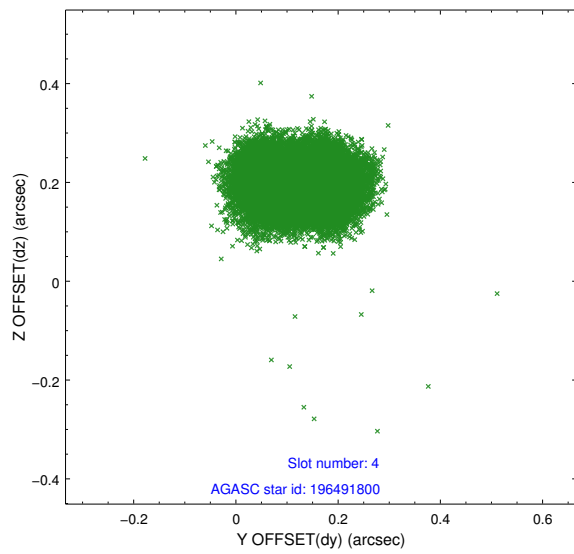
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.98	8823	0.048	-0.003	0.015	0.045	0.000000	0.000000	925.36	-840.23
1	FID	ACIS-I-5	6.97	8824	-0.187	0.064	0.014	0.033	0.000000	0.000000	-1822.94	1057.32
2	FID	ACIS-I-6	6.98	8824	0.049	0.011	0.016	0.028	0.000000	0.000000	390.90	1701.80
3	GUIDE	196489968	8.01	17640	0.132	0.037	0.062	0.101	237.504150	19.692523	-1876.85	-401.44
4	GUIDE	196491800	7.58	17645	0.121	0.198	0.087	0.125	237.885233	19.289155	-1501.47	-2308.89
5	GUIDE	196870968	9.76	17575	-0.001	0.099	0.168	0.291	238.606443	20.079805	2046.73	-1089.09
6	GUIDE	196873248	8.69	17629	-0.042	-0.198	0.079	0.126	238.212487	20.381335	1445.36	519.71
7	GUIDE	196876760	9.86	17623	-0.200	-0.136	0.140	0.224	238.130265	20.742811	1864.44	1782.57

2.4 Star Slots

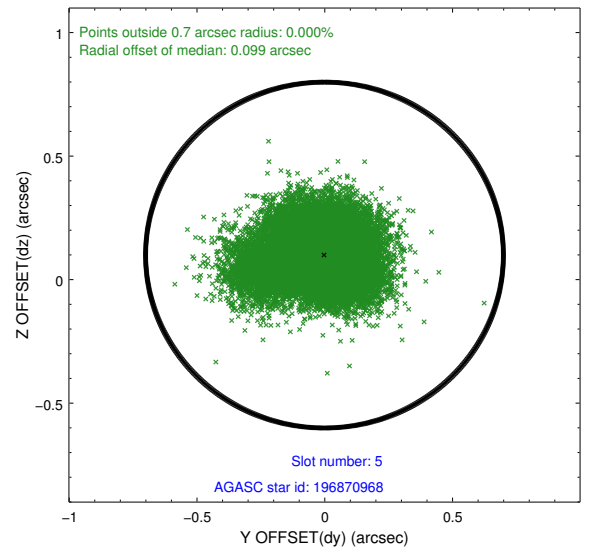
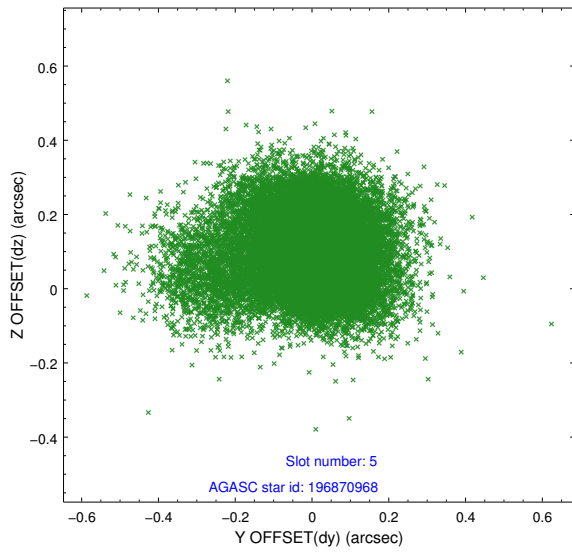
2.4.1 Slot 3



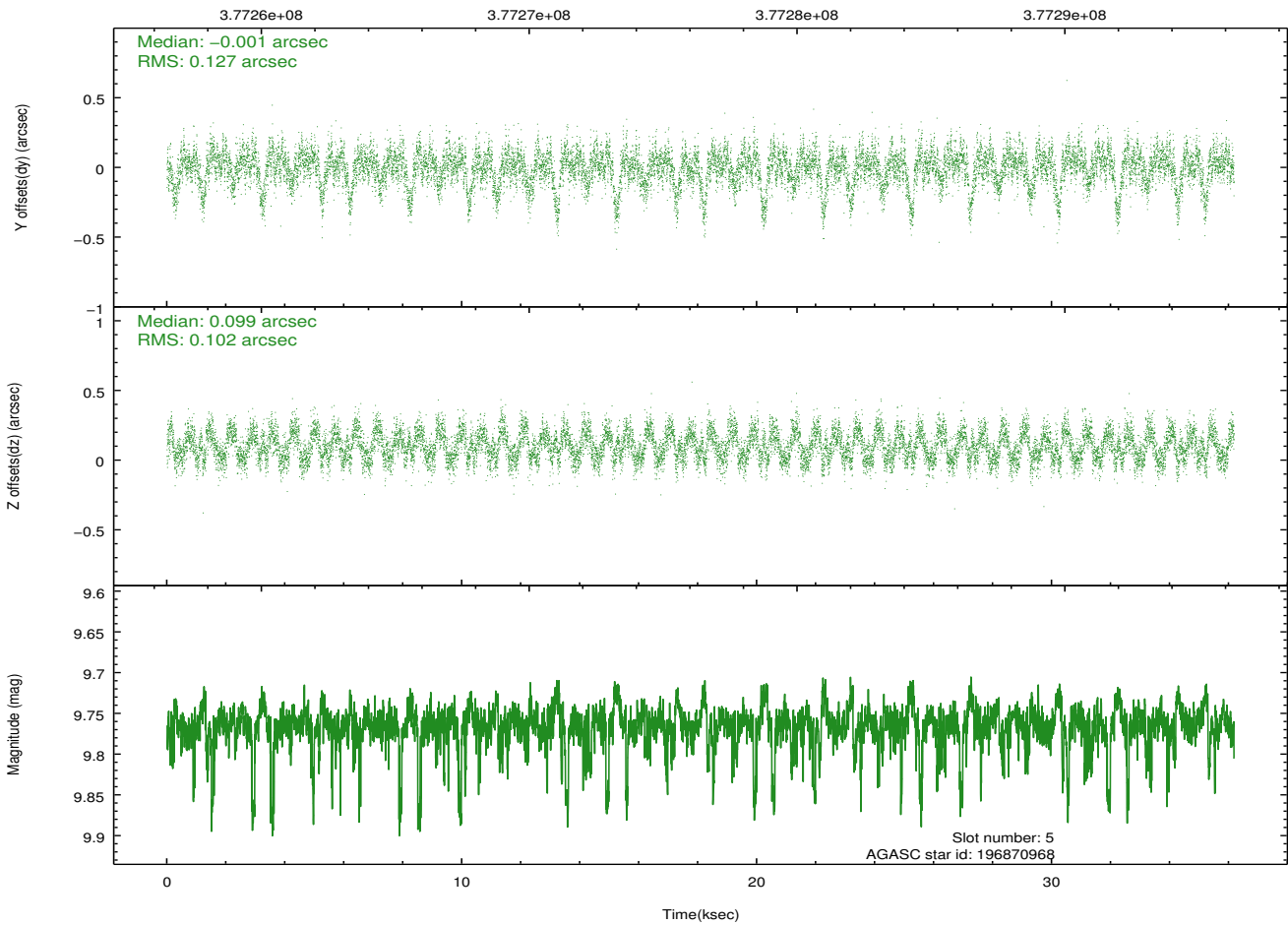
2.4.2 Slot 4



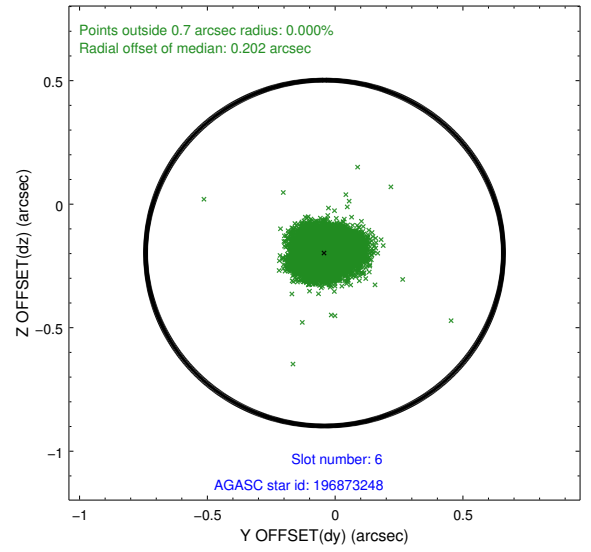
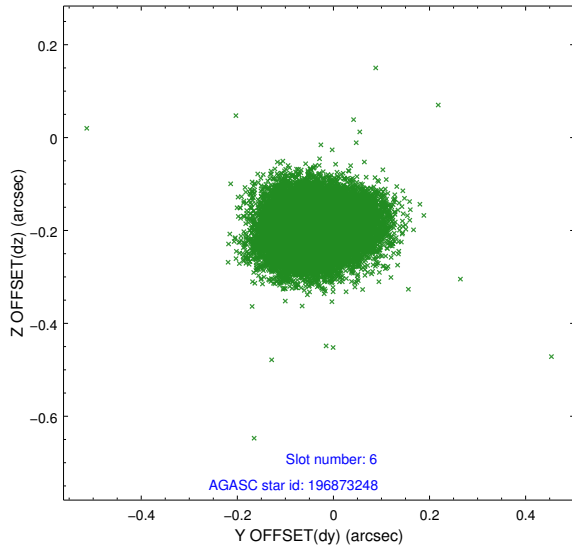
2.4.3 Slot 5



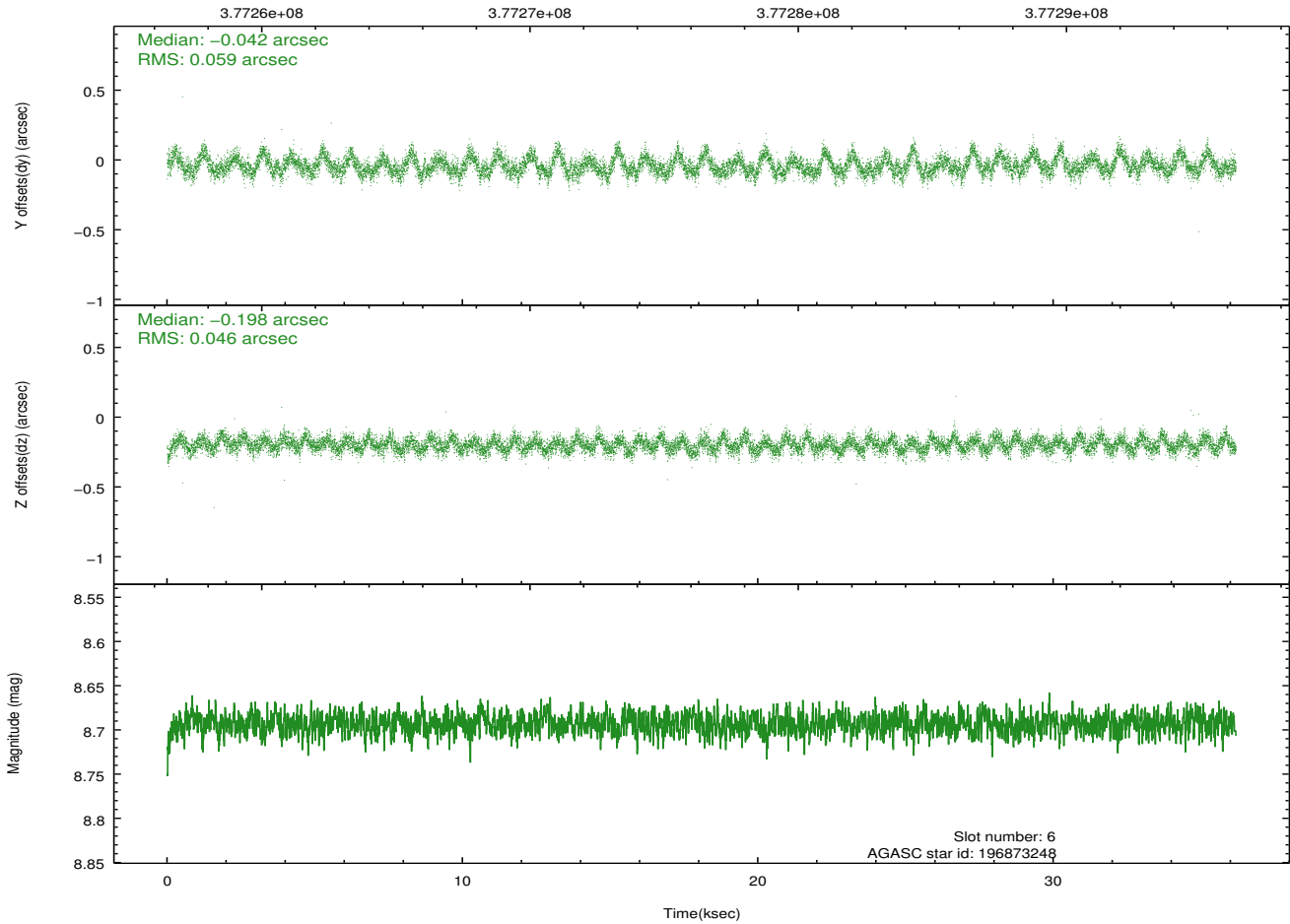
Time (s)



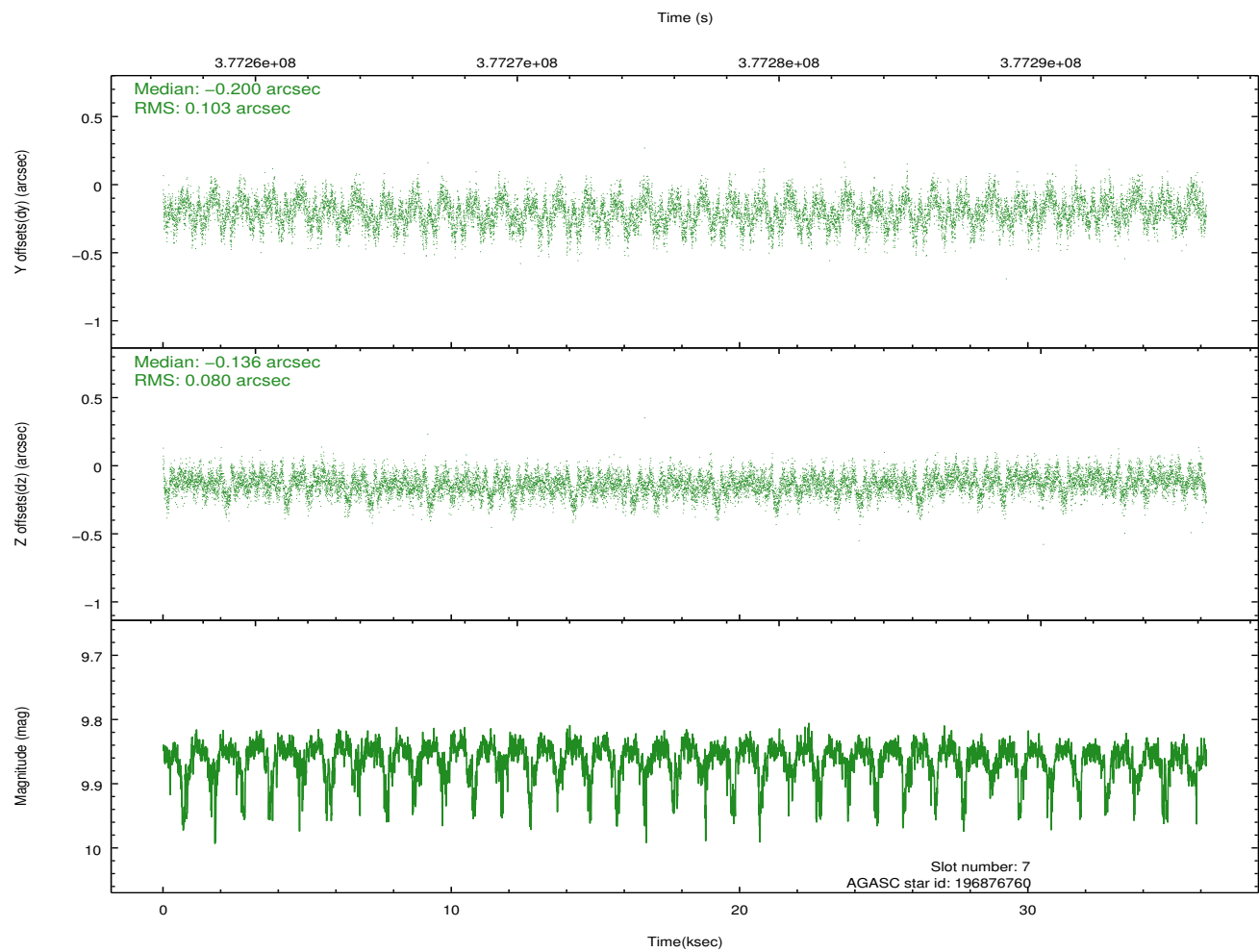
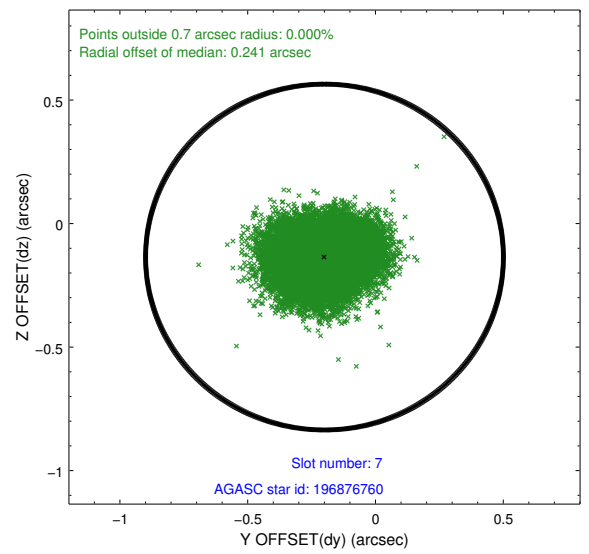
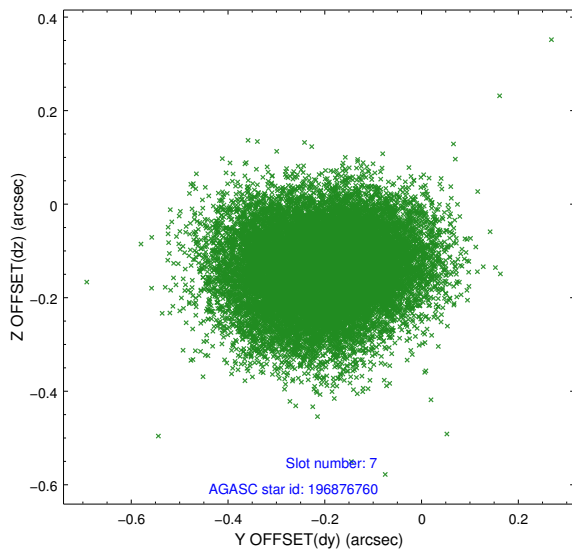
2.4.4 Slot 6



Time (s)

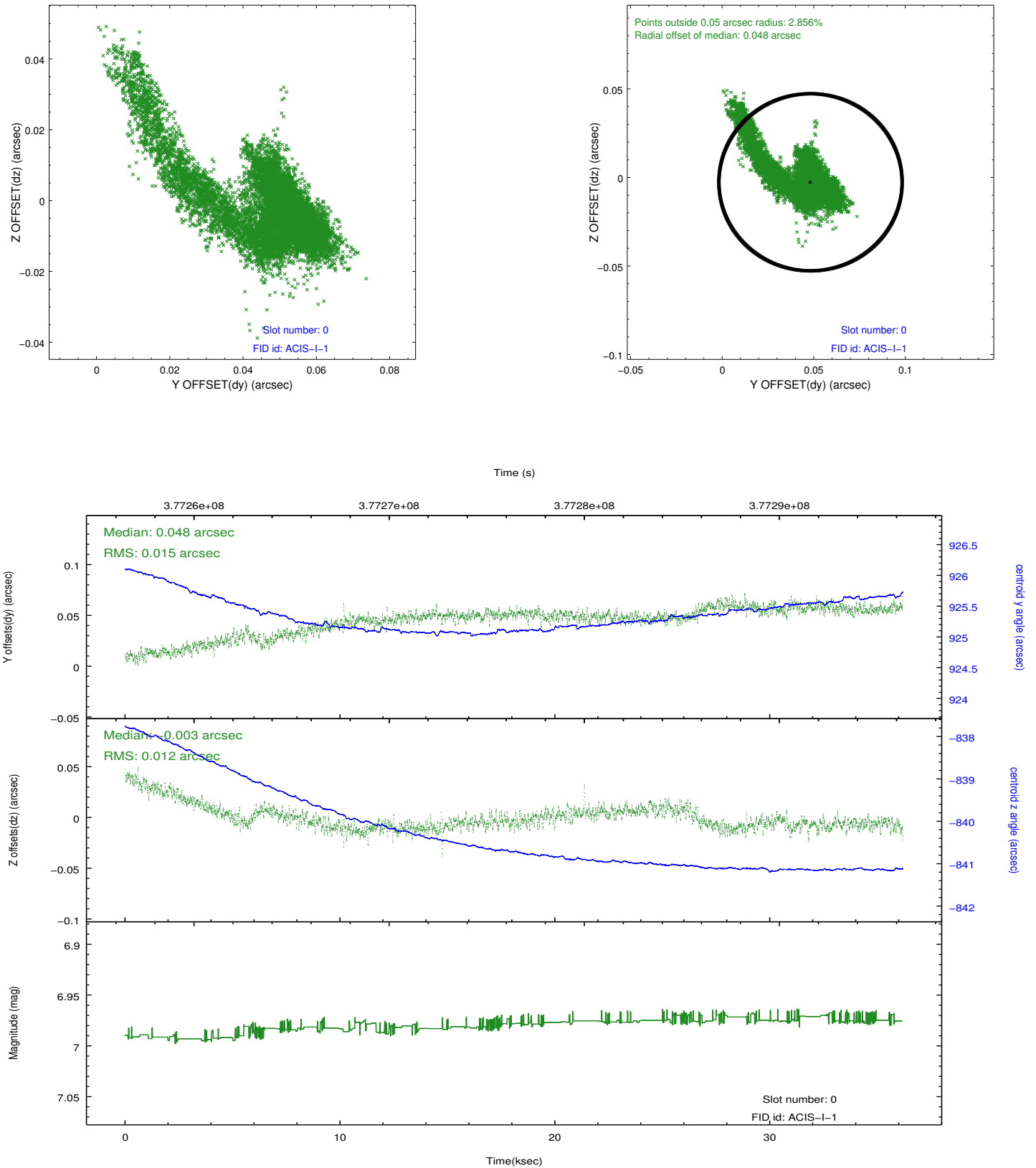


2.4.5 Slot 7

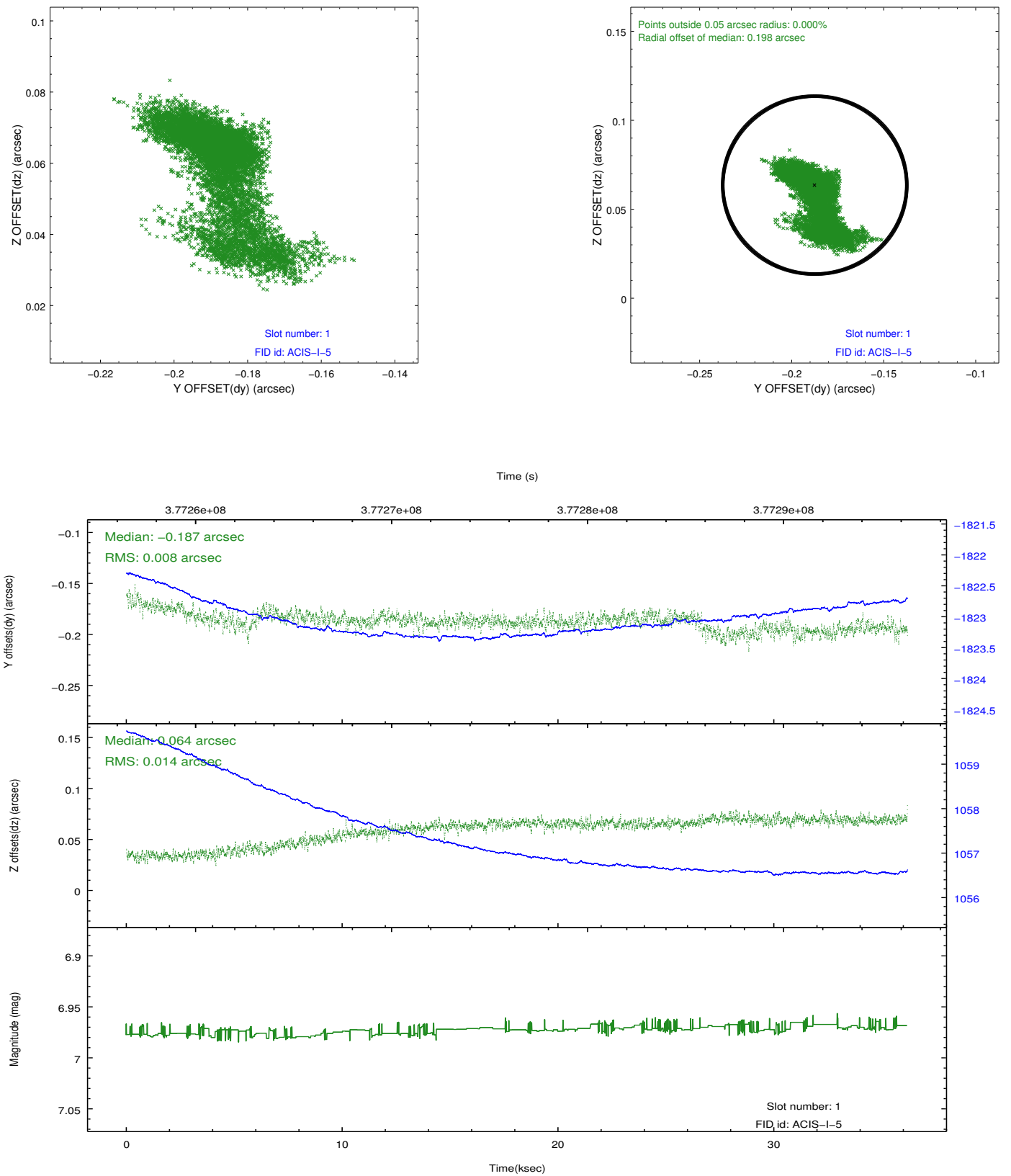


2.5 FID Slots

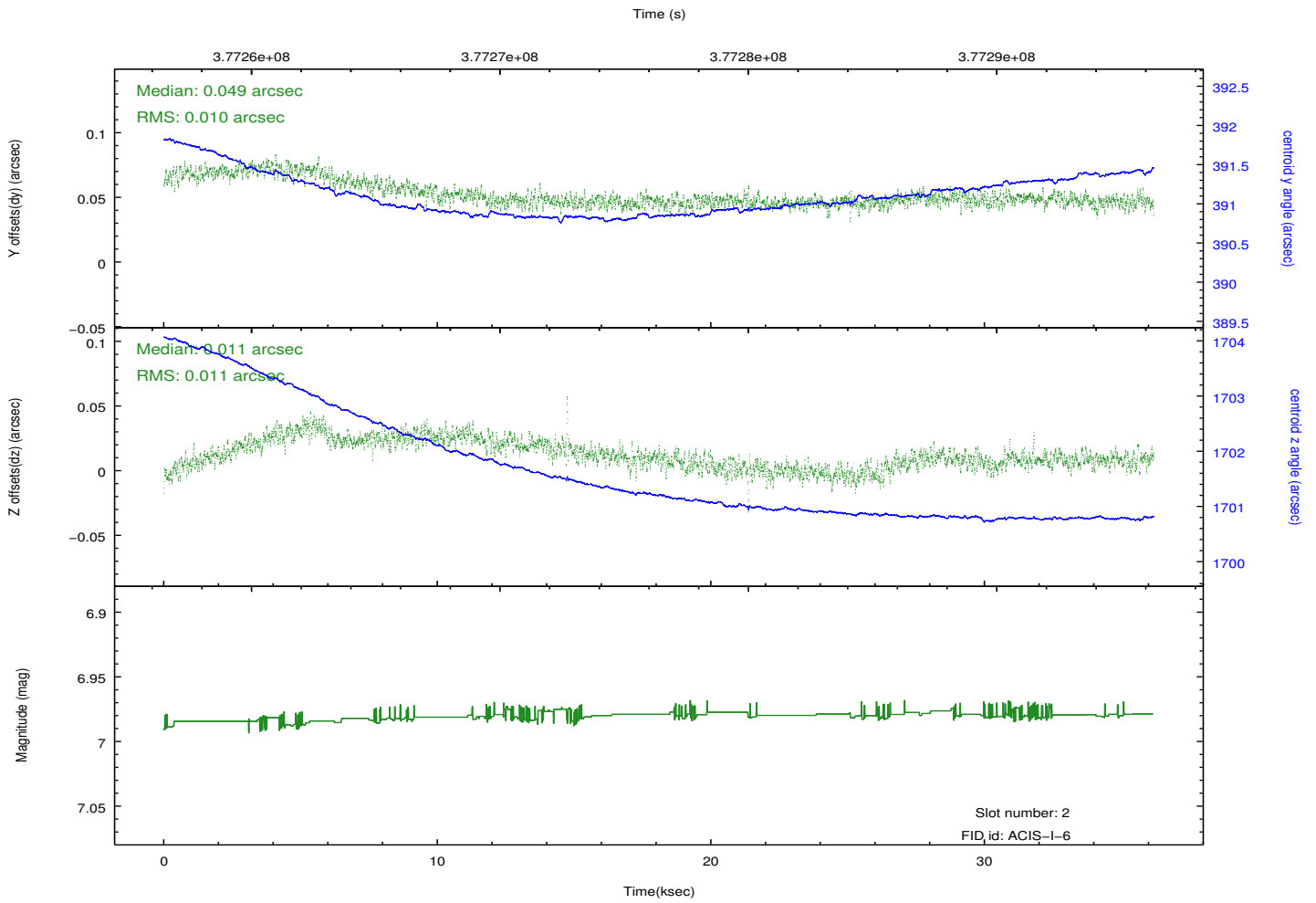
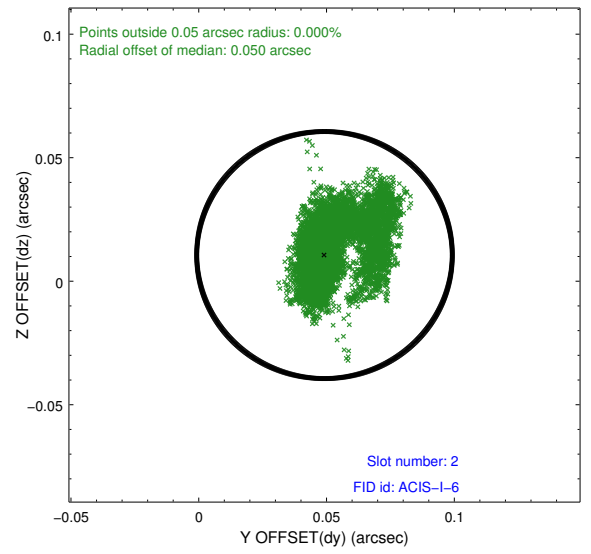
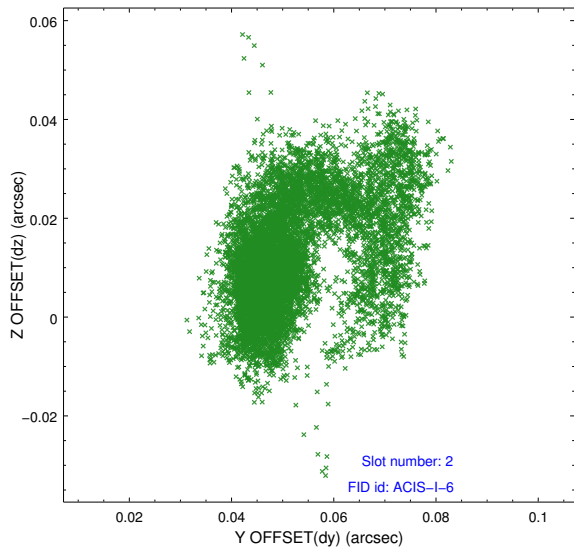
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.173900278211

A.2 Comments

Joint proposal with HST.