

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7477 - L2 Version 2
Chandra X-Ray Center

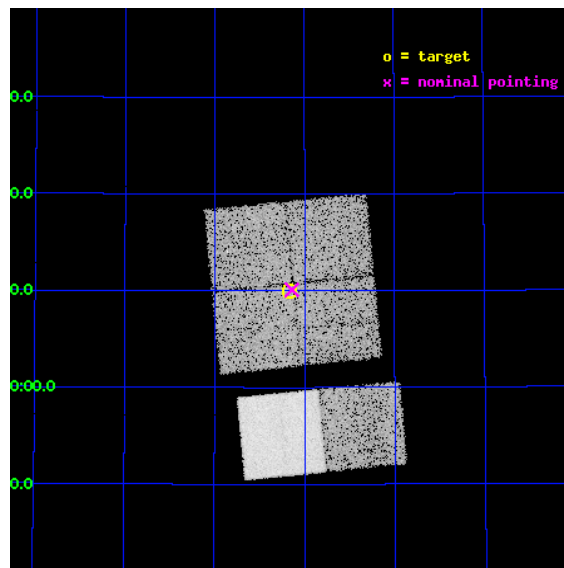
L2 Processing Date : Apr 14 2012

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1 Front

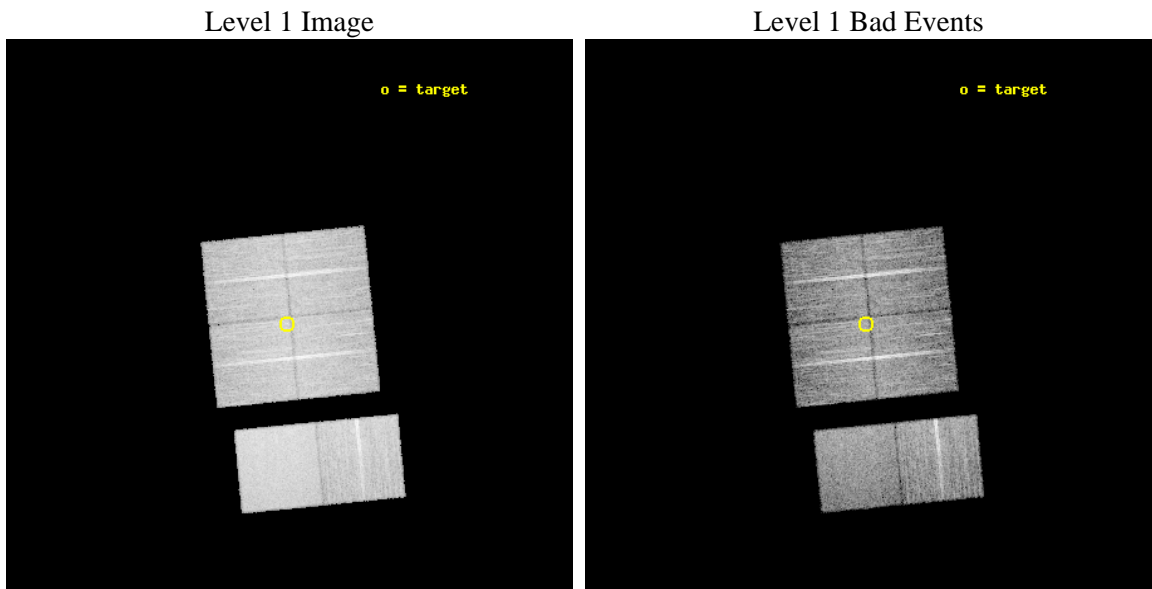
seq_num	400587	Sequence number
obs_id	7477	Observation id
title	A Pilot Study of X-ray Emission from Candidate Massive Star Clusters	
observer	Professor Gordon Garmire	Principal investigator
object	BDSB2003+65	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	62.791667	Observer's specified target RA [deg]
dec_targ	51.166111	Observer's specified target Dec [deg]
ra_nom	62.78521555982	Nominal RA [deg]
dec_nom	51.168355467547	Nominal Dec [deg]
roll_nom	174.33598589899	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10172.717931688	Sum of GTIs [s]
livetime	10043.904851961	Livetime [s]
ontime0	10179.199962139	Sum of GTIs [s]
ontime1	10175.958971679	Sum of GTIs [s]
ontime2	10179.199962139	Sum of GTIs [s]
ontime3	10172.717931688	Sum of GTIs [s]
ontime6	10179.199962139	Sum of GTIs [s]
ontime7	10179.199962139	Sum of GTIs [s]
l2events	98025	Number of level 2 events



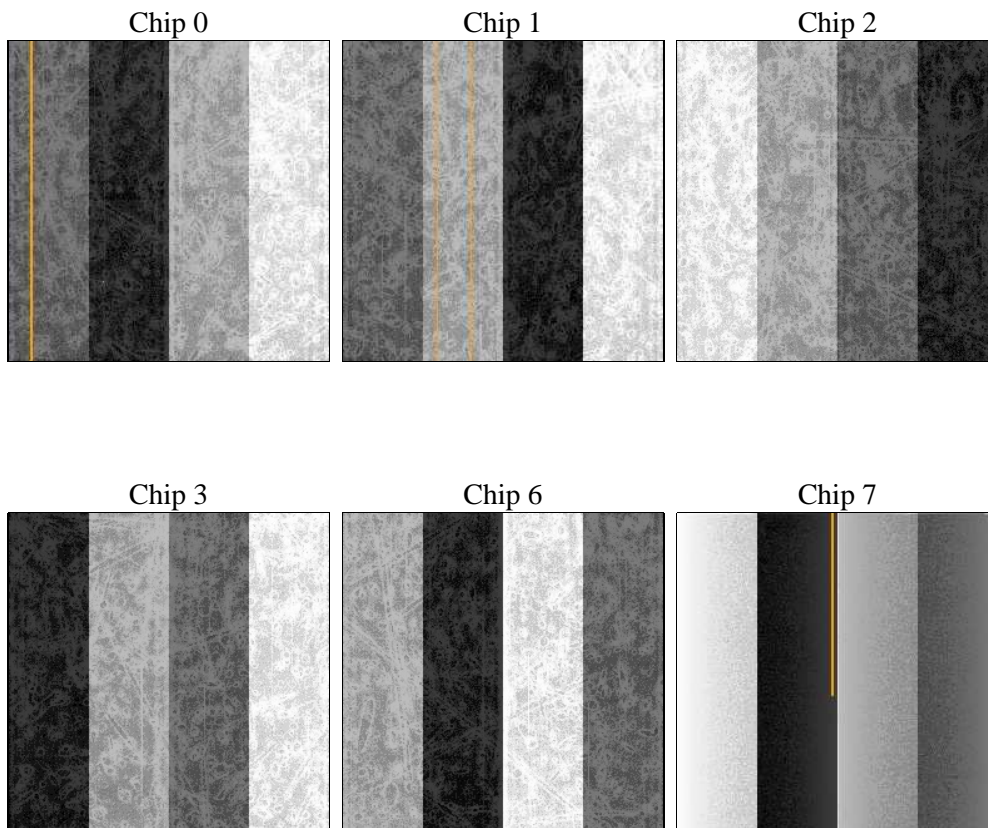
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	10172.717931688	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	10179.199962139	Sum of GTIs [s]
date	2012-04-14T04:26:39	Date and time of file creation	ontime1	10175.958971679	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10179.199962139	Sum of GTIs [s]
			ontime3	10172.717931688	Sum of GTIs [s]
			ontime6	10179.199962139	Sum of GTIs [s]
			ontime7	10179.199962139	Sum of GTIs [s]
			l1events	645603	Number of level 1 events

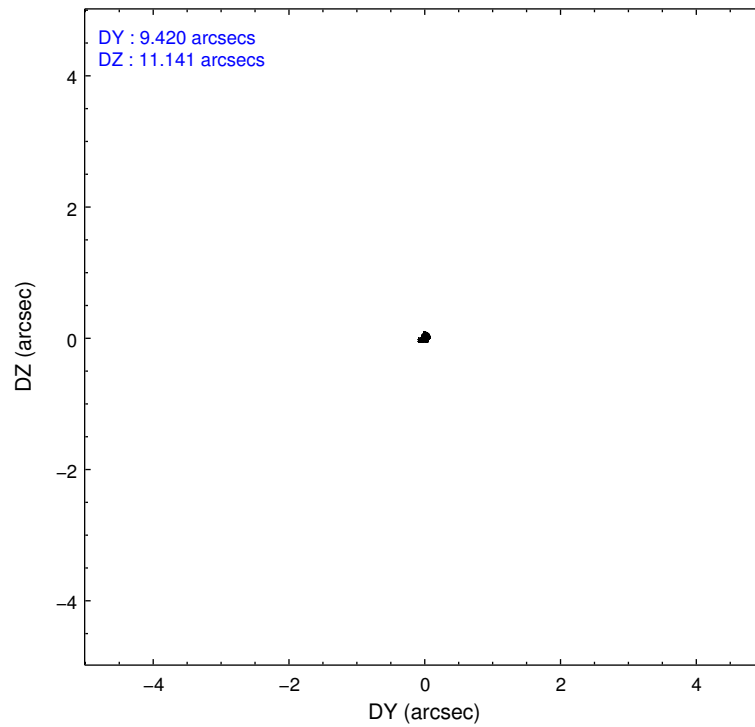
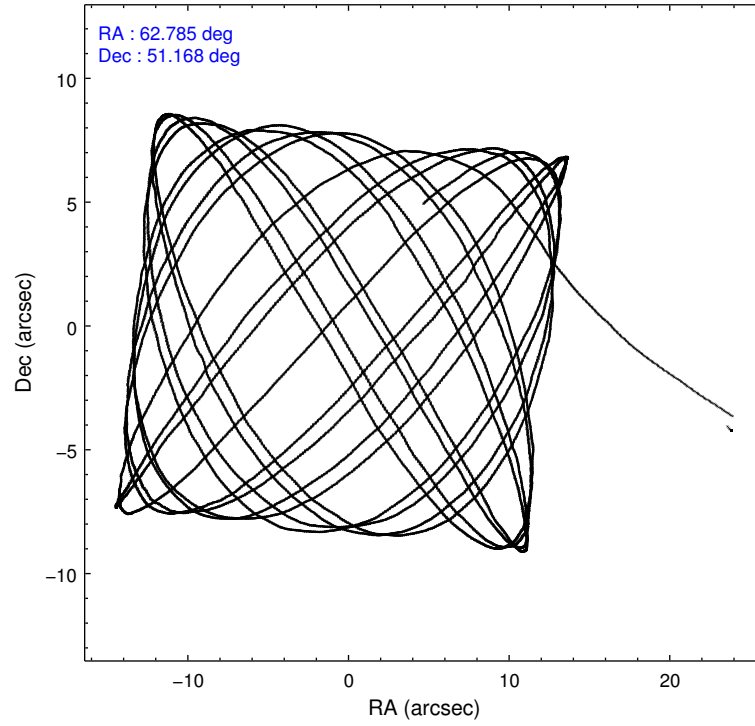
2.1.4 Events

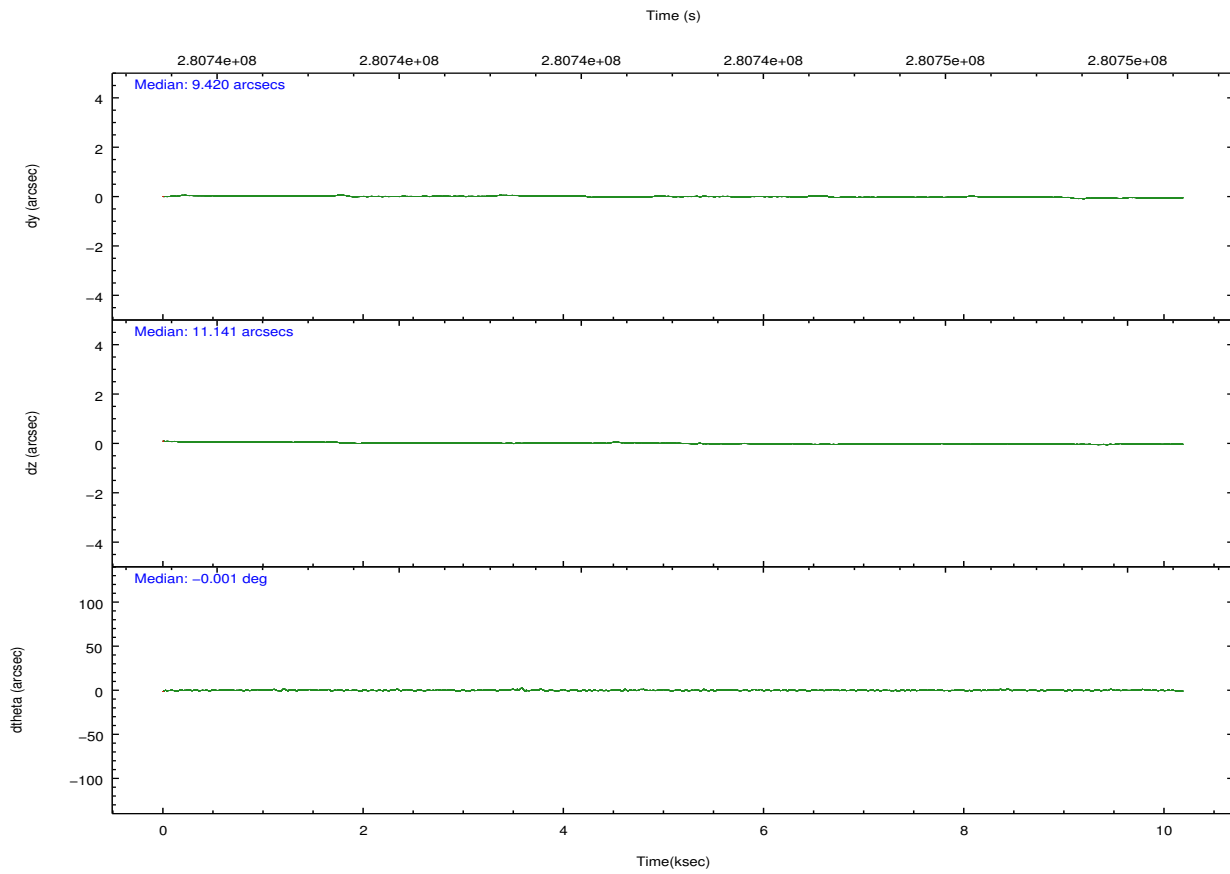
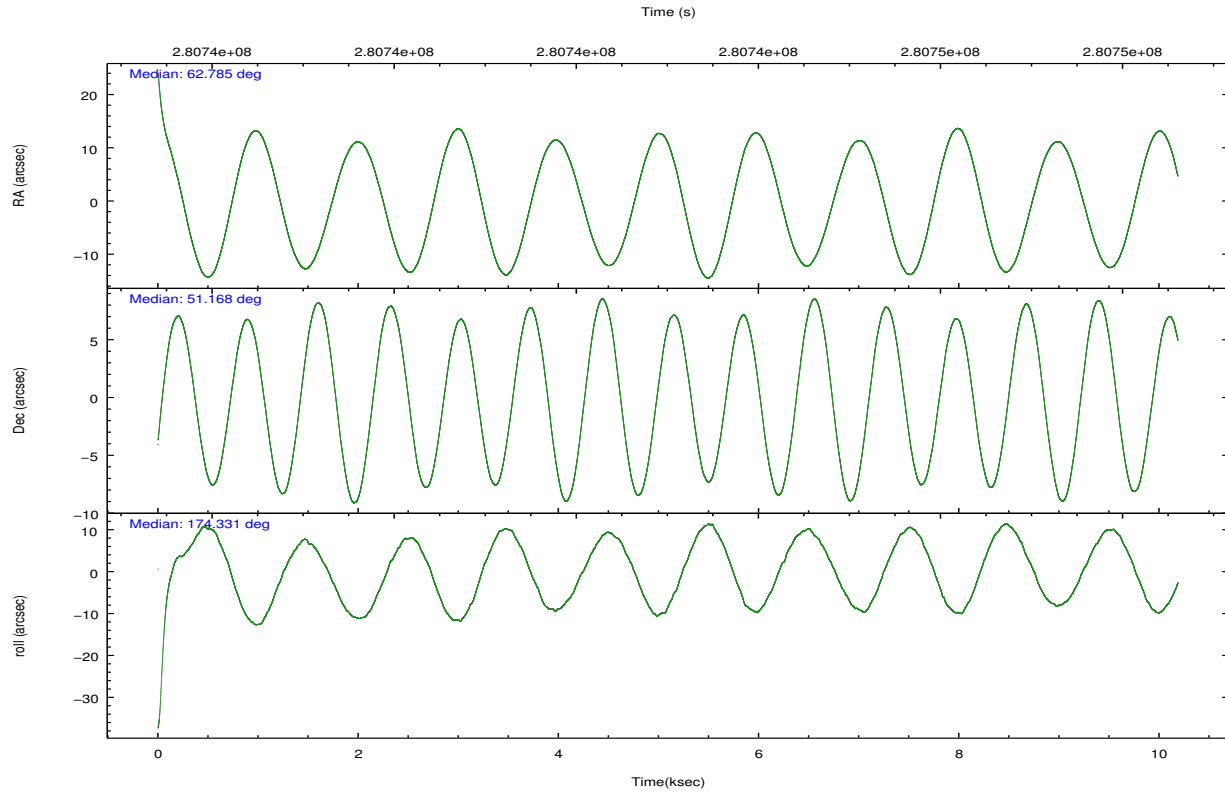
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	93241	94500	101947	103365	110991	141559	grade 0 events	5129	4776	5314	5391	4671	4953
rejected events	82422	83249	91196	92505	100103	89442		5%	5%	5%	5%	4%	3%
rejected %	88%	88%	89%	89%	90%	63%	grade 1 events	48	58	54	63	50	141
								0%	0%	0%	0%	0%	0%
							grade 2 events	2630	2846	2546	2311	2714	11860
								2%	3%	2%	2%	2%	8%
							grade 3 events	1173	1181	1125	1187	1177	5068
								1%	1%	1%	1%	1%	3%
							grade 4 events	1082	1233	1122	1121	1126	5032
								1%	1%	1%	1%	1%	3%
							grade 5 events	3986	4482	3882	4671	4954	13390
								4%	4%	3%	4%	4%	9%
							grade 6 events	2113	2576	2006	2149	2556	31430
								2%	2%	1%	2%	2%	22%
							grade 7 events	77080	77348	85898	86472	93743	69685
								82%	81%	84%	83%	84%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	62.824898	62.78521555982017	CCD I2 on	Y	Y
[deg] Pointing Dec	51.179714	51.16835546754722	CCD I3 on	Y	Y
[deg] Pointing Roll	174.096411	174.3359858989913	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	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	280738110.184000	280736437.72586	CCD S5 on	N	N
Observation start date	2006-11-24T06:47:25	2006-11-24T06:20:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	280748110.184000	280748930.93895	On-chip summing requested	N	N
Observation end date	2006-11-24T09:34:05	2006-11-24T09:48:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



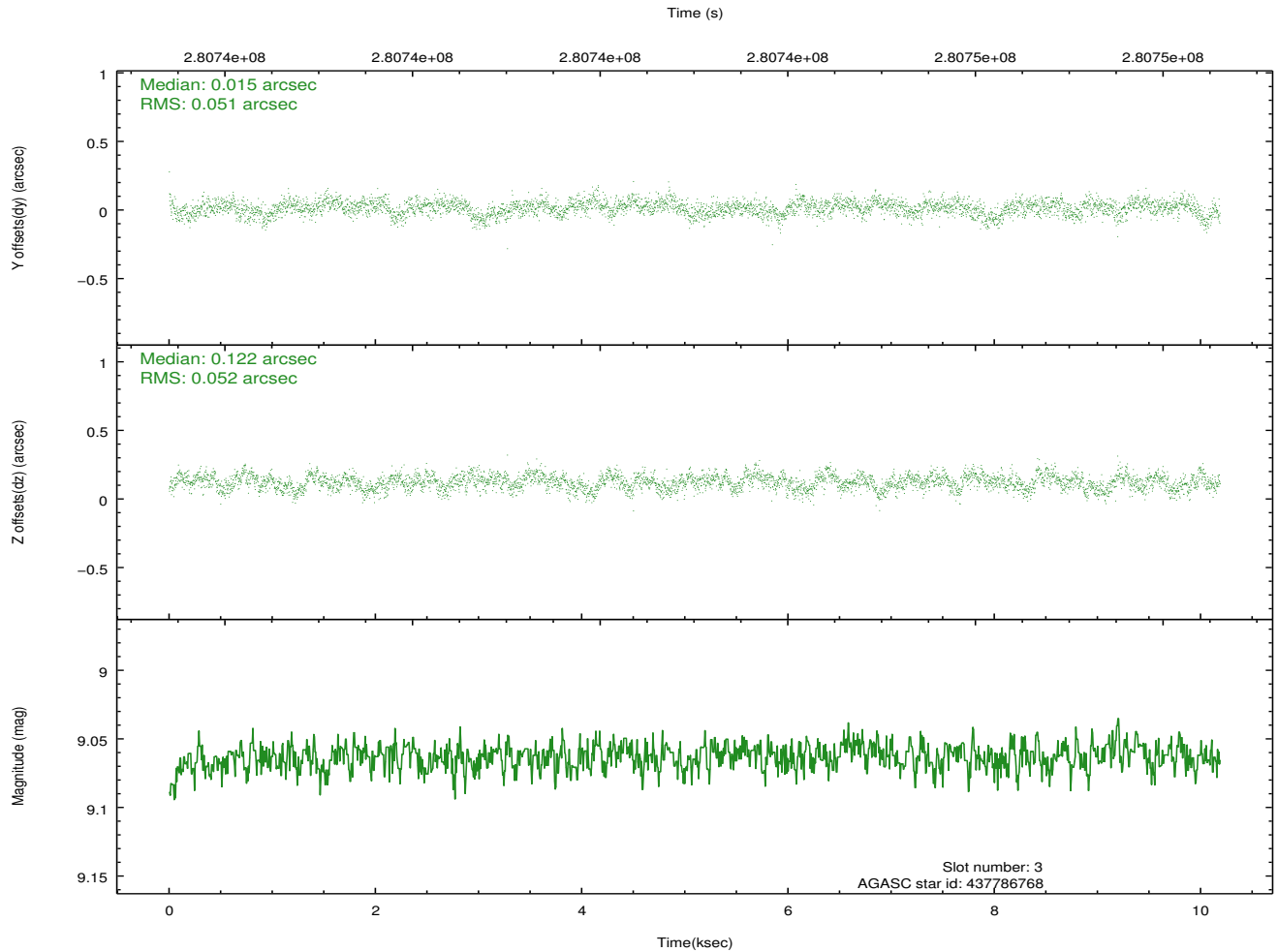
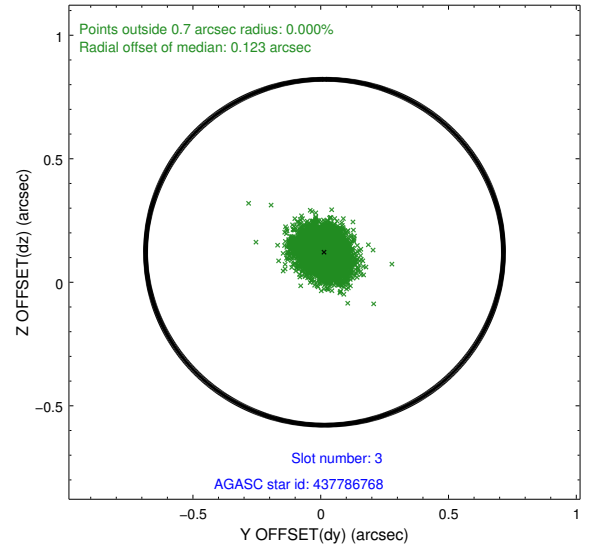
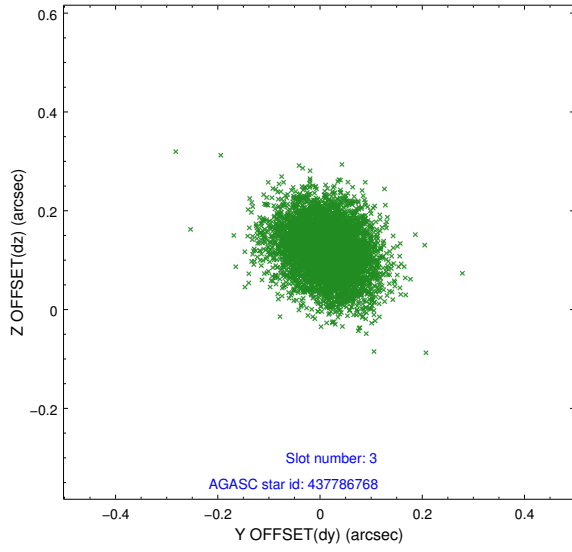


Slot Statistics

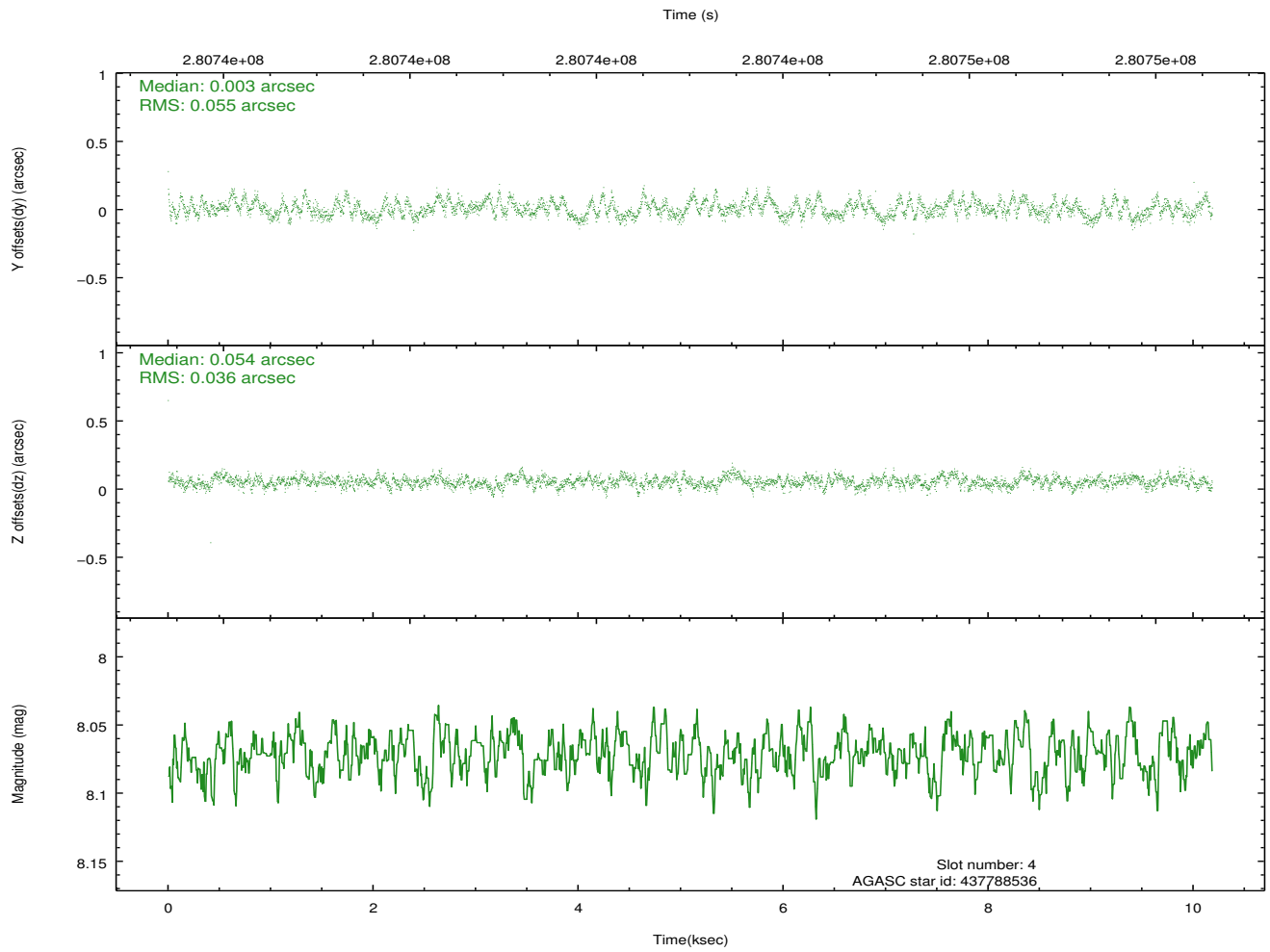
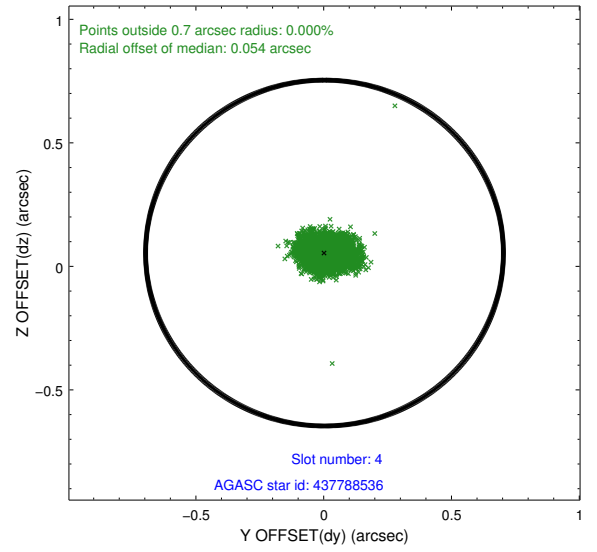
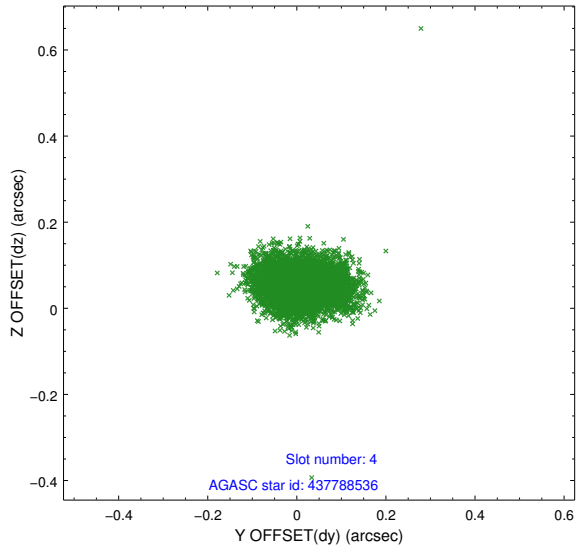
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	2484	0.058	-0.046	0.006	0.011	0.000000	0.000000	930.24	-834.70
1	FID	ACIS-I-5	7.24	2484	-0.214	0.055	0.006	0.011	0.000000	0.000000	-1817.82	1062.67
2	FID	ACIS-I-6	7.25	2483	0.065	0.061	0.007	0.011	0.000000	0.000000	395.27	1707.73
3	GUIDE	437786768	9.06	4964	0.015	0.122	0.078	0.126	63.738104	51.232286	-2026.42	-412.35
4	GUIDE	437788536	8.07	4963	0.003	0.054	0.069	0.113	61.938058	51.452803	2081.28	-784.65
5	GUIDE	437793040	9.34	4961	0.105	-0.128	0.089	0.143	63.150767	50.947918	-820.06	752.46
6	GUIDE	437798200	6.99	4969	-0.066	-0.122	0.068	0.116	63.757067	50.687189	-2295.86	1531.94
7	GUIDE	437781808	8.96	4964	-0.052	0.076	0.071	0.117	63.959053	51.729694	-2309.81	-2248.48

2.4 Star Slots

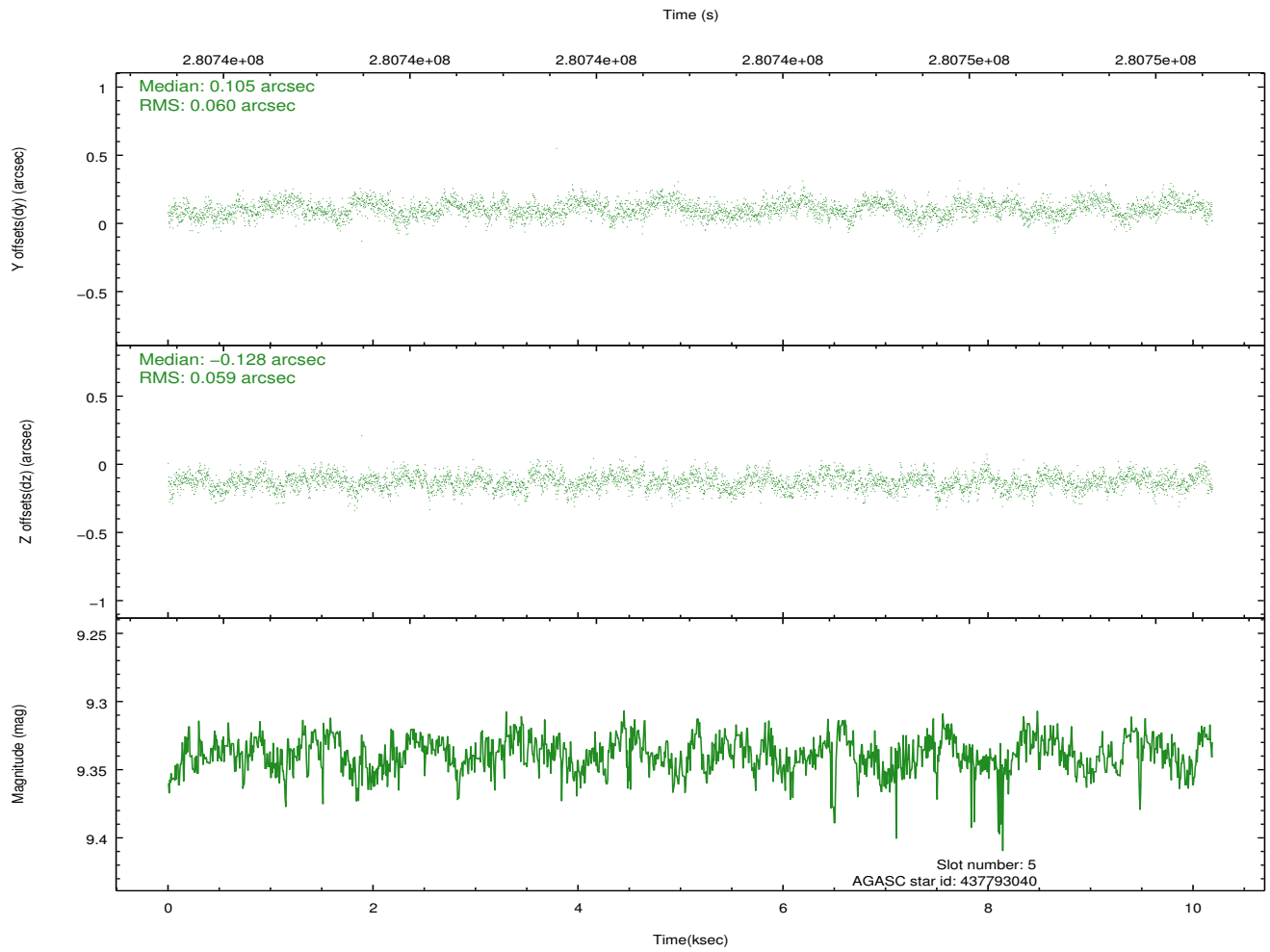
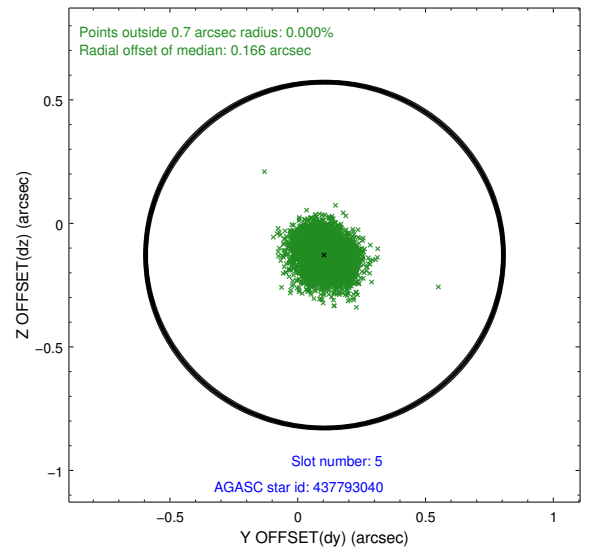
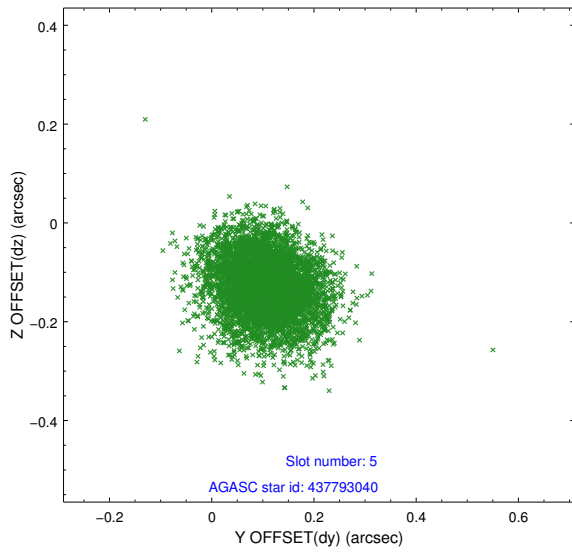
2.4.1 Slot 3



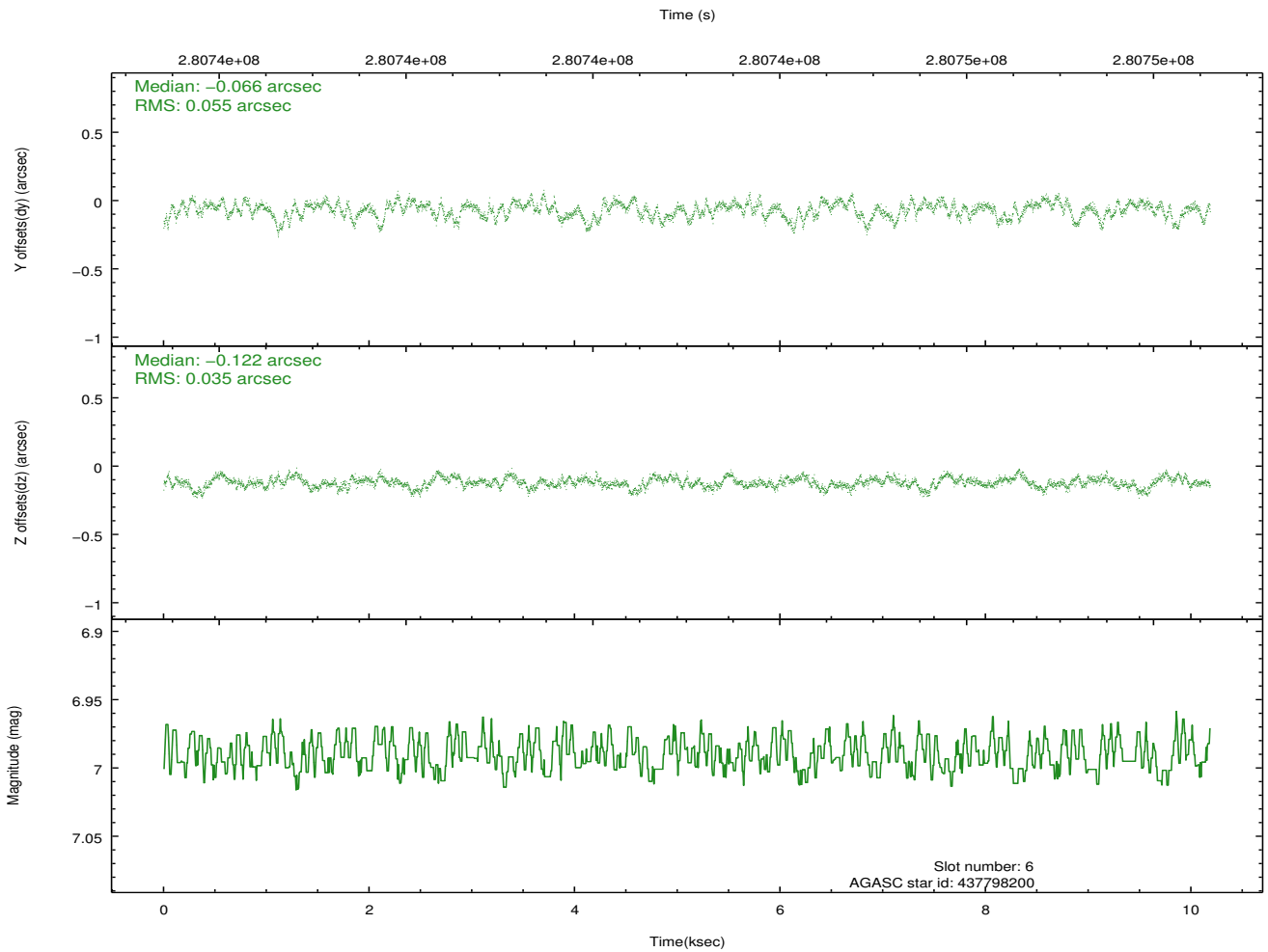
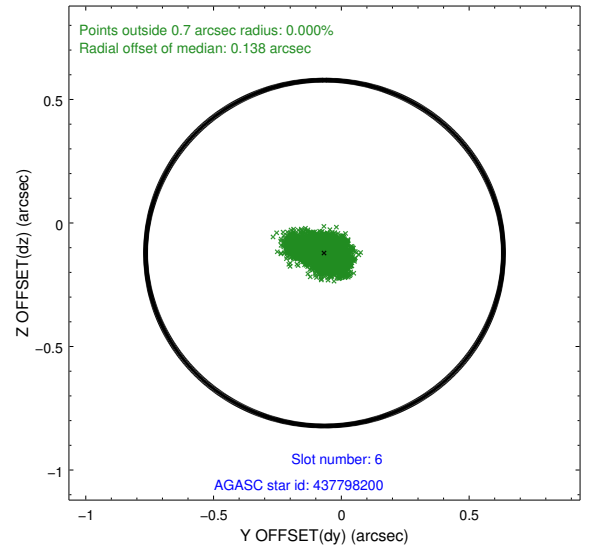
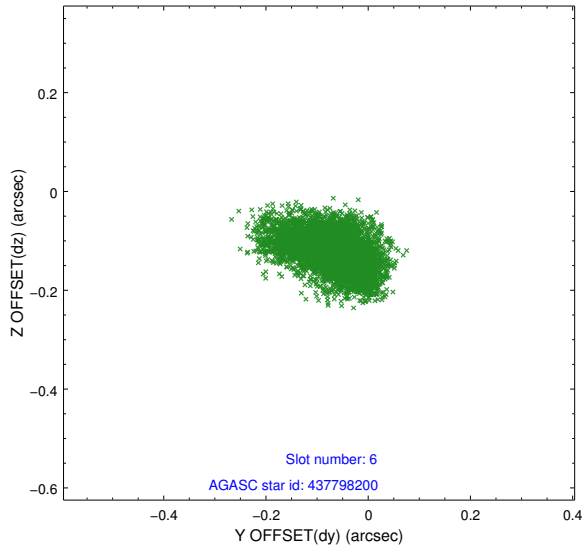
2.4.2 Slot 4



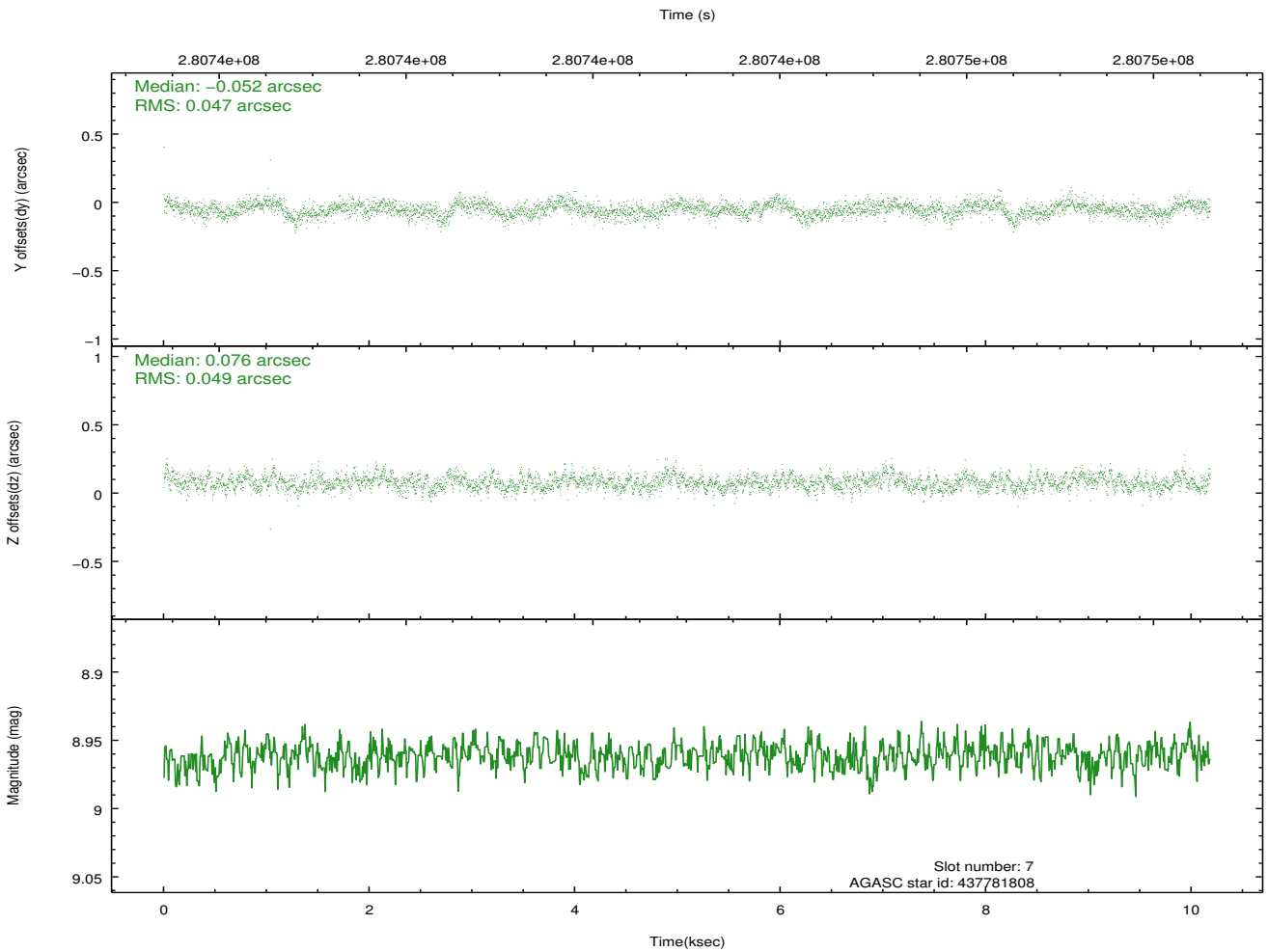
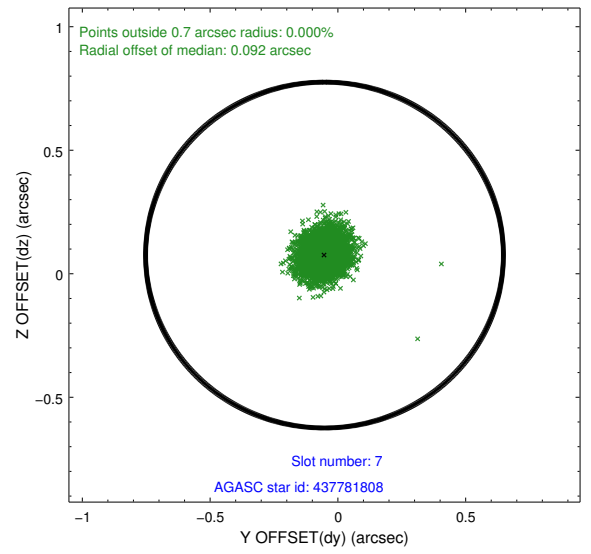
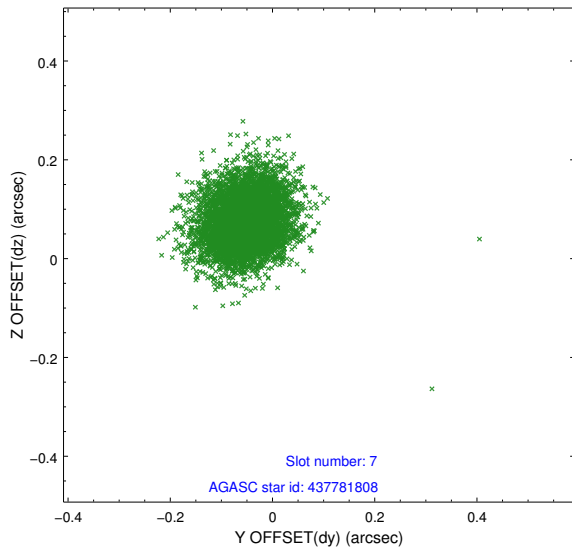
2.4.3 Slot 5



2.4.4 Slot 6

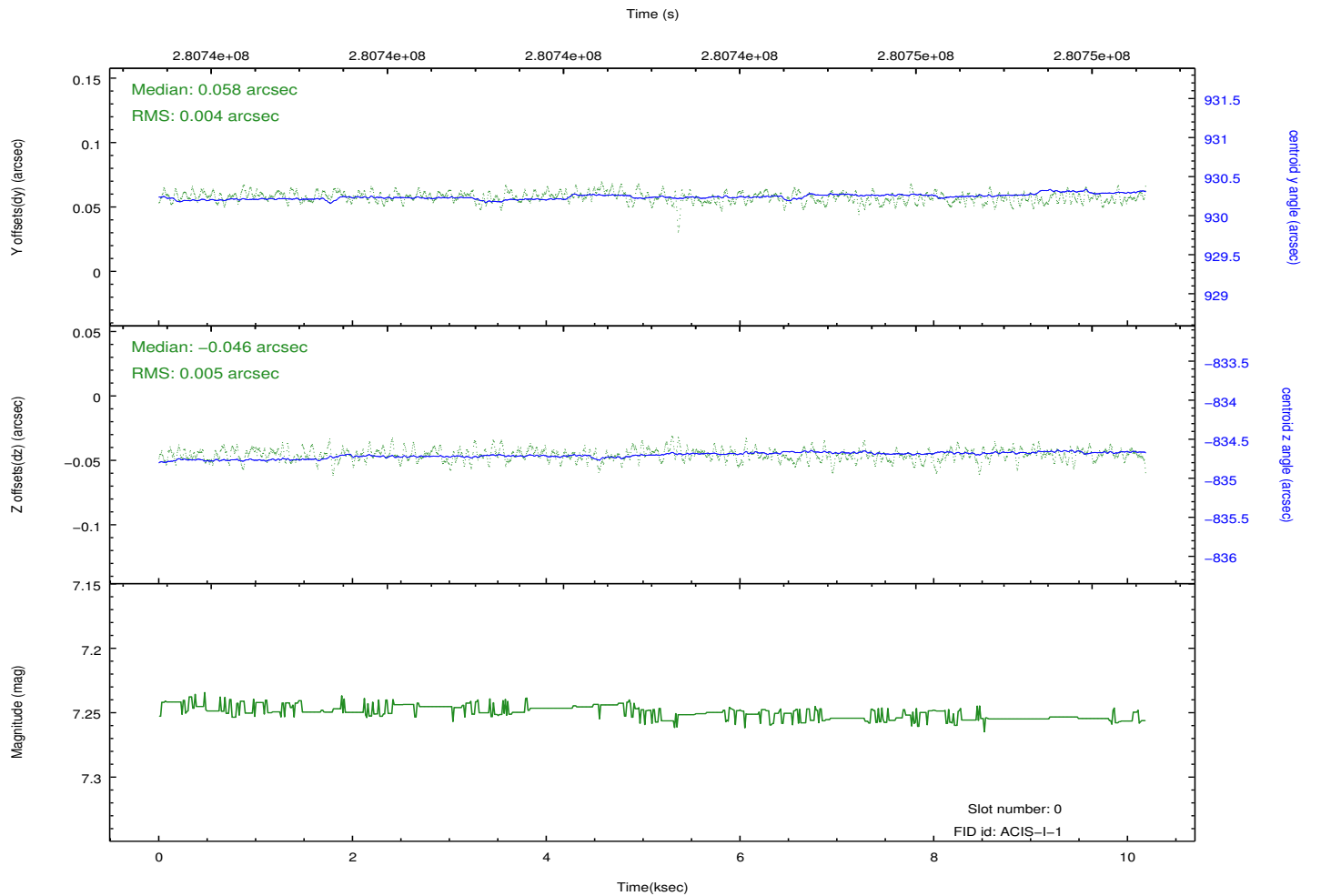
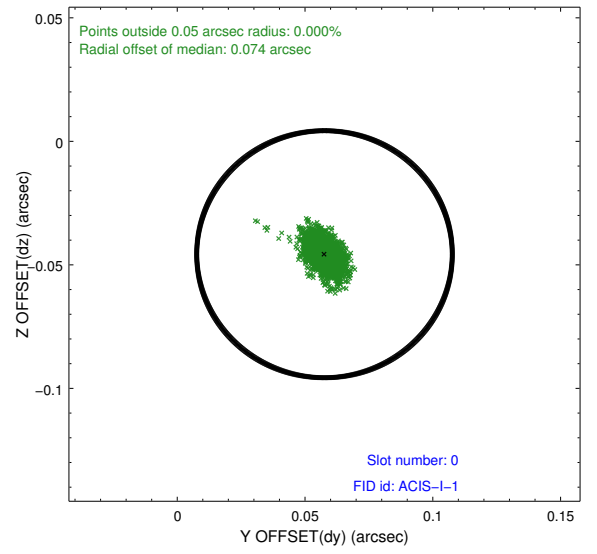
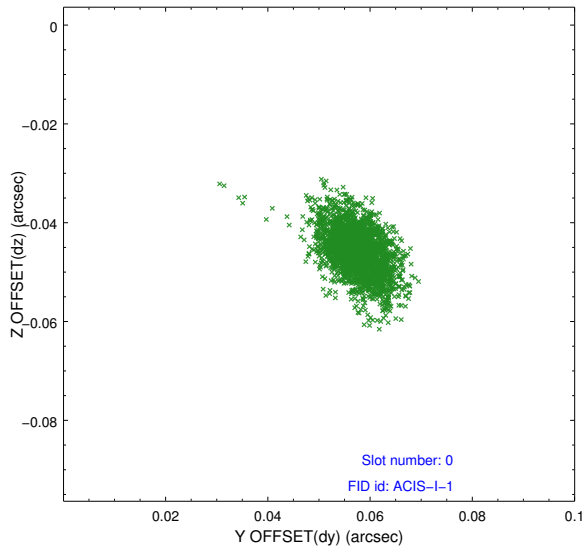


2.4.5 Slot 7

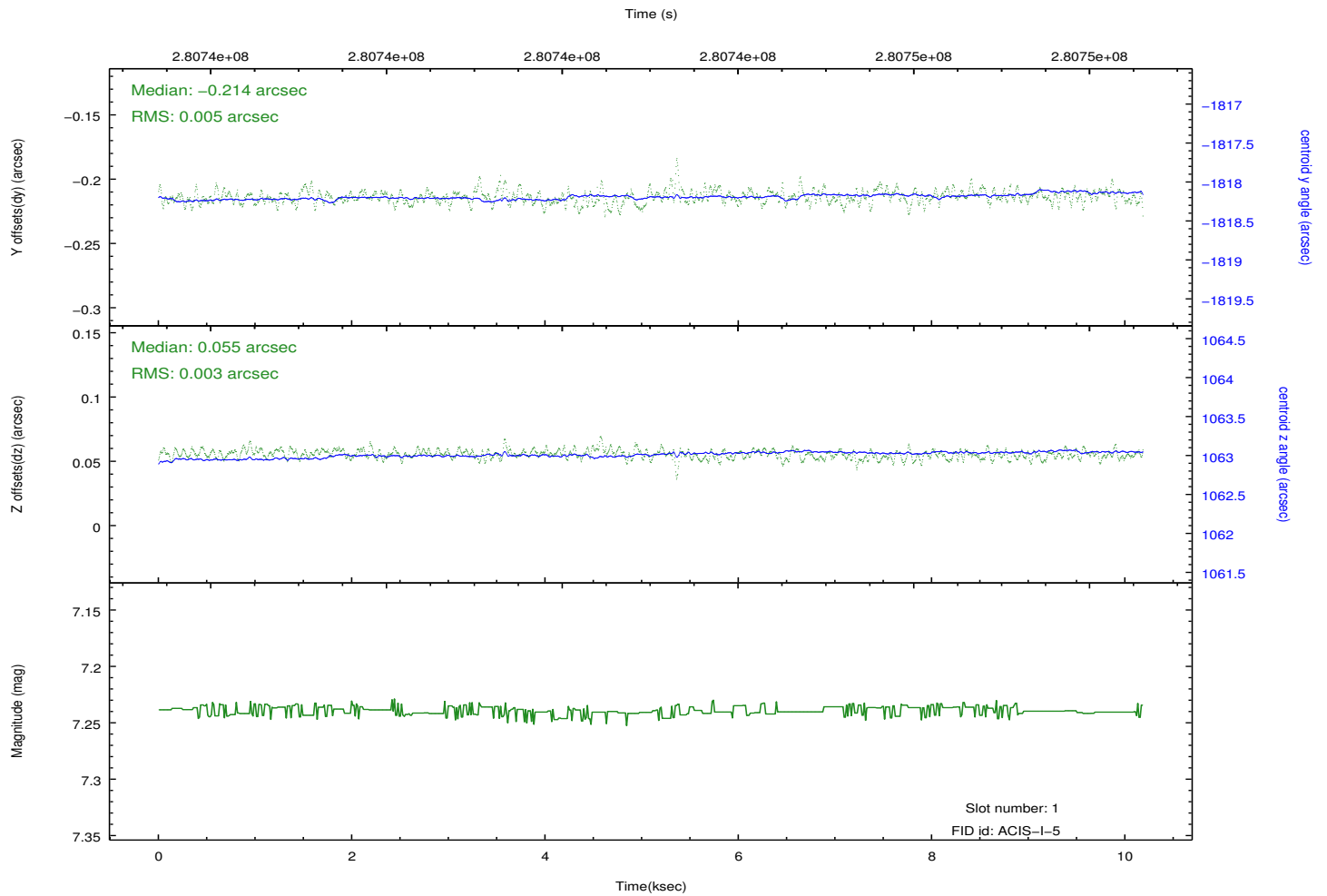
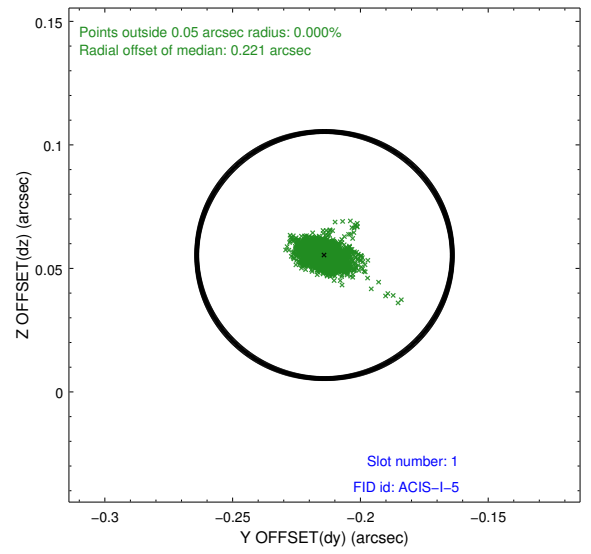
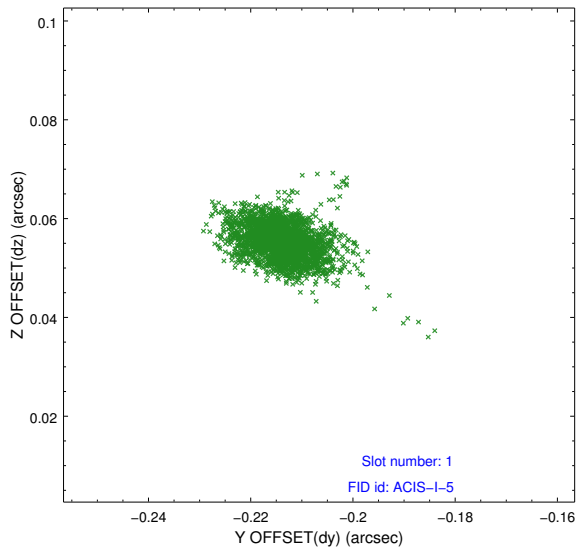


2.5 FID Slots

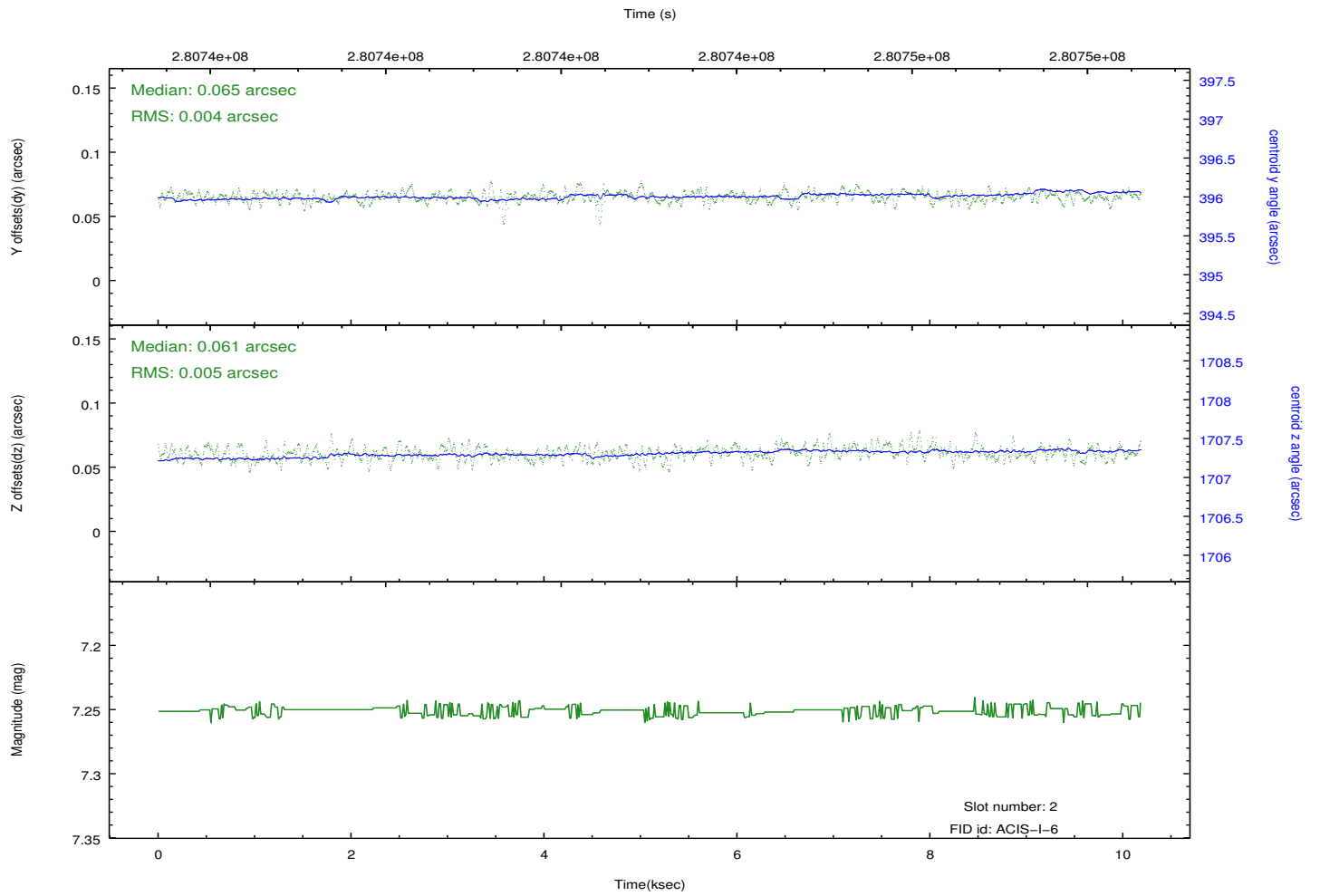
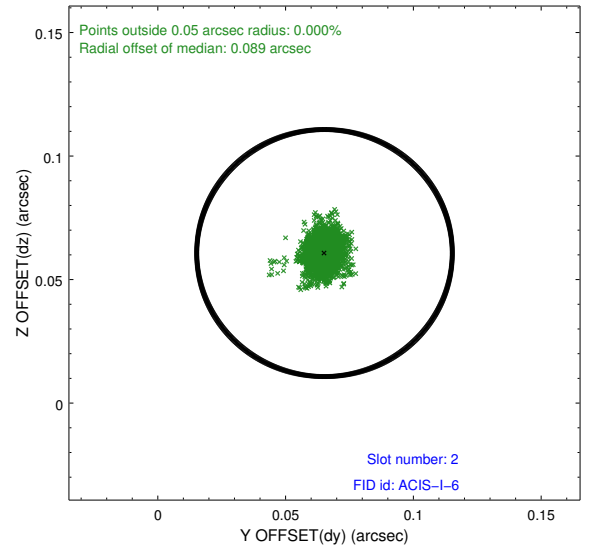
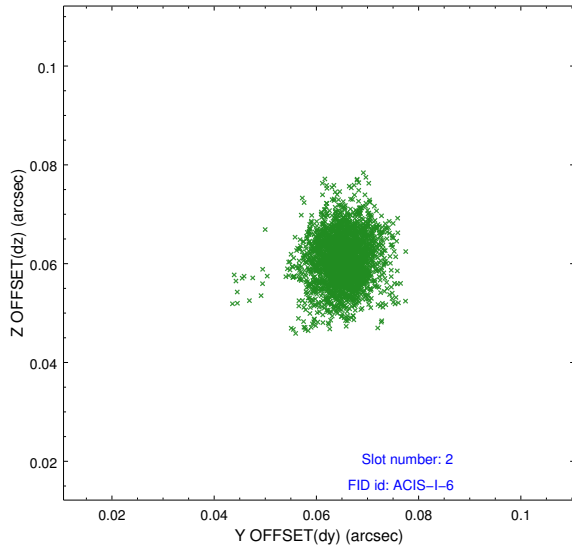
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1727179

A.2 Comments