

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7423 - L2 Version 2
Chandra X-Ray Center

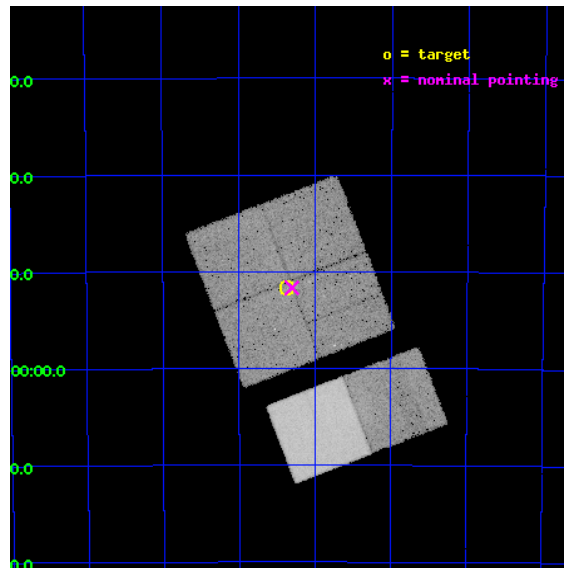
L2 Processing Date : May 1 2012

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1 Front

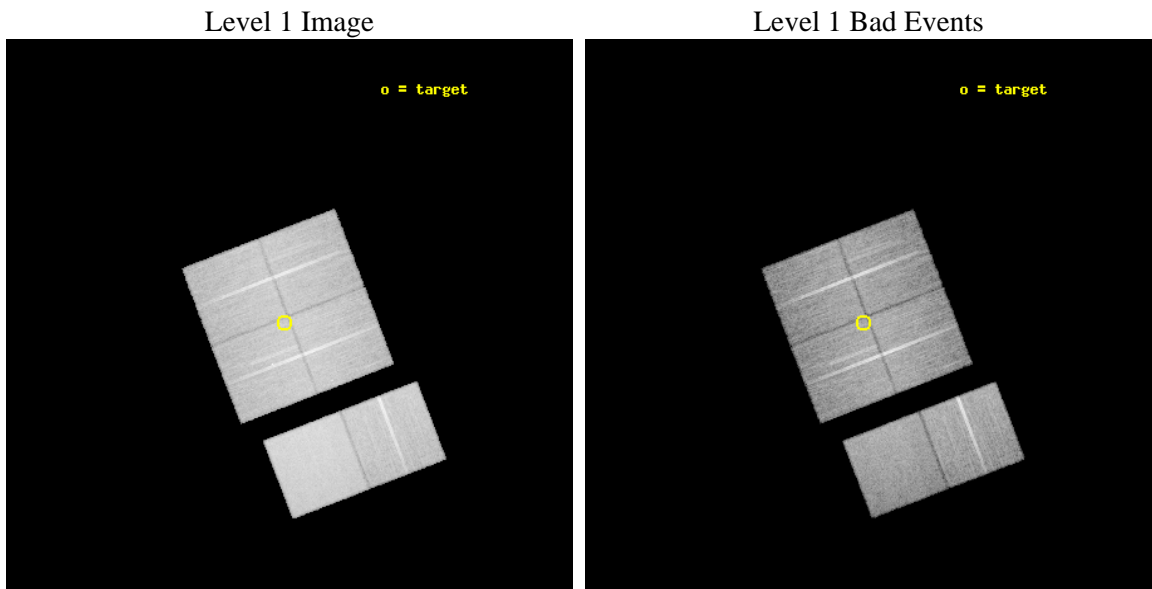
seq_num	200436	Sequence number
obs_id	7423	Observation id
title	Hot gas and cool dust around B[e] Supergiants	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	CPD-572874	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	153.84125	Observer's specified target RA [deg]
dec_targ	-57.861861	Observer's specified target Dec [deg]
ra_nom	153.82610042016	Nominal RA [deg]
dec_nom	-57.861308222062	Nominal Dec [deg]
roll_nom	158.89379964335	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19950.889701068	Sum of GTIs [s]
livetime	19698.25952269	Livetime [s]
ontime0	19947.525610805	Sum of GTIs [s]
ontime1	19950.807621062	Sum of GTIs [s]
ontime2	19944.366730392	Sum of GTIs [s]
ontime3	19950.889701068	Sum of GTIs [s]
ontime6	19950.971781075	Sum of GTIs [s]
ontime7	19950.930741072	Sum of GTIs [s]
l2events	219268	Number of level 2 events



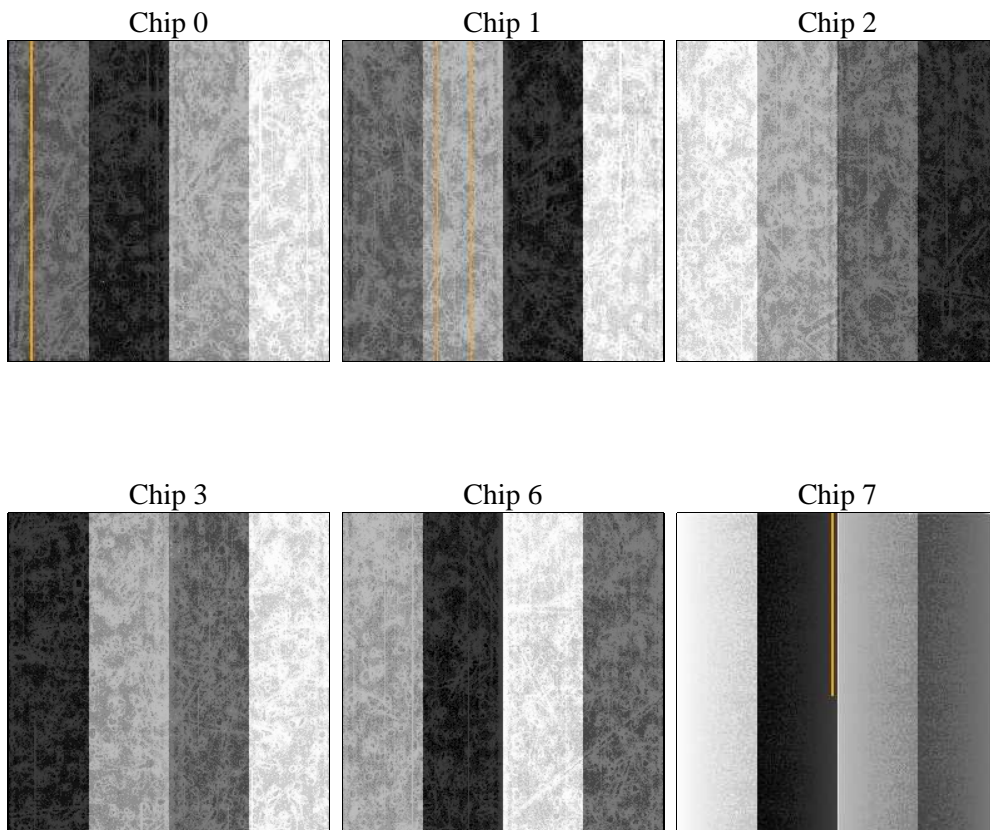
2 OBI

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	8.4.4	Processing system revision	ontime	19950.889701068	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	19947.525610805	Sum of GTIs [s]
date	2012-05-01T04:46:21	Date and time of file creation	ontime1	19950.807621062	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	19944.366730392	Sum of GTIs [s]
			ontime3	19950.889701068	Sum of GTIs [s]
			ontime6	19950.971781075	Sum of GTIs [s]
			ontime7	19950.930741072	Sum of GTIs [s]
			l1events	1224043	Number of level 1 events

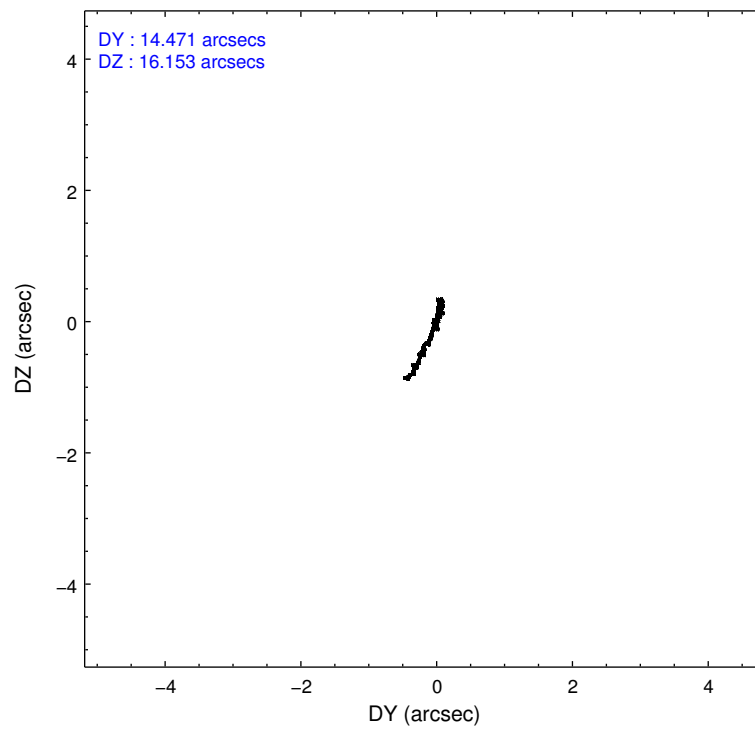
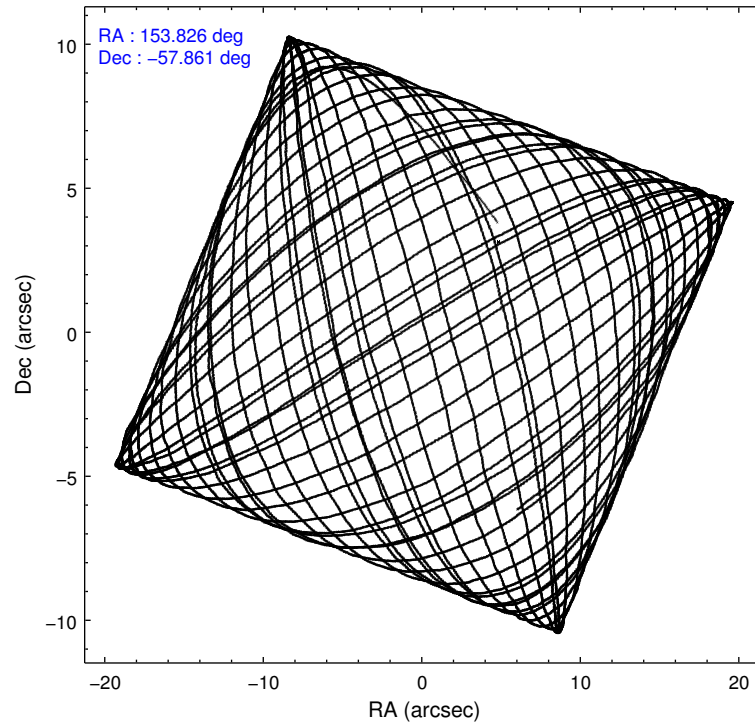
2.1.4 Events

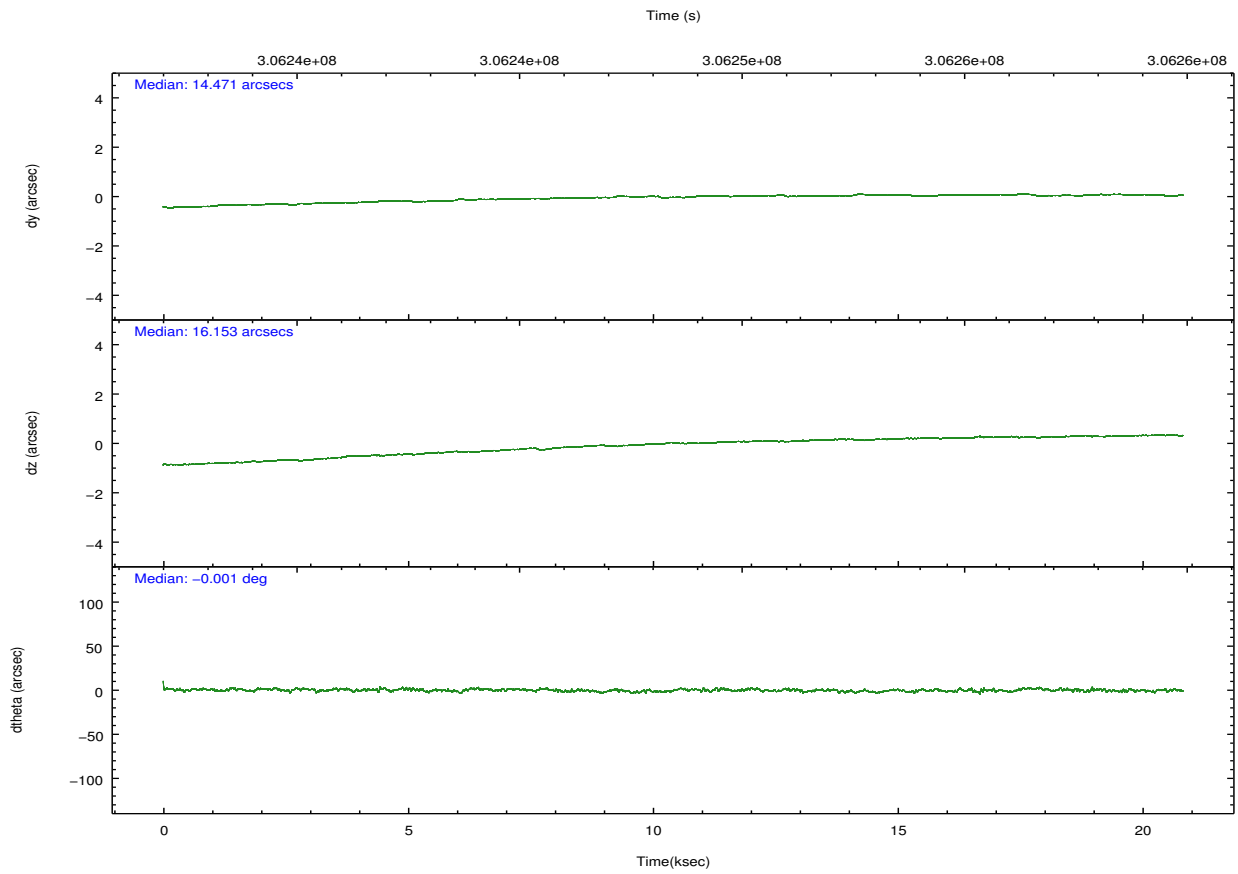
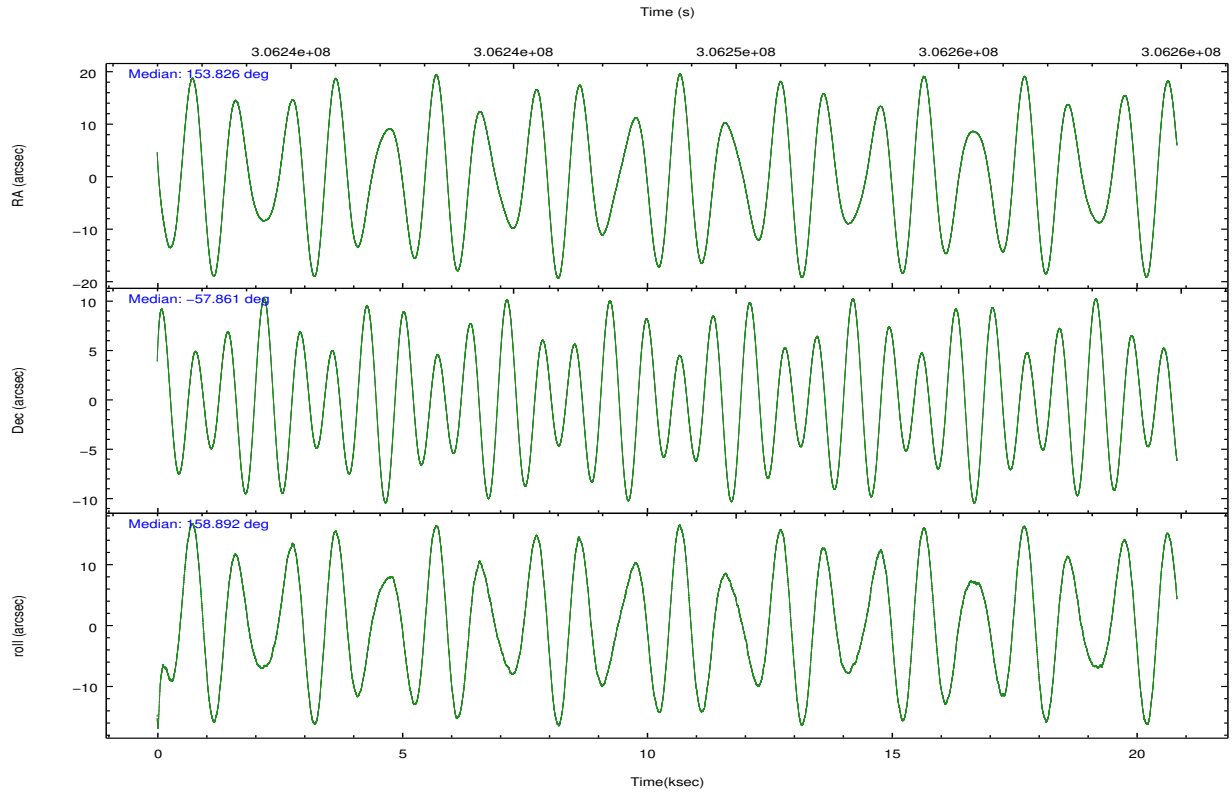
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	178558	178047	195209	195948	205999	270282	grade 0 events	10108	10081	11206	10699	10770	10317
rejected events	154973	152603	170935	171857	180267	155198		5%	5%	5%	5%	5%	3%
rejected %	86%	85%	87%	87%	87%	57%	grade 1 events	122	101	168	136	117	272
								0%	0%	0%	0%	0%	0%
							grade 2 events	5222	5775	5041	4663	5440	23822
								2%	3%	2%	2%	2%	8%
							grade 3 events	2188	2347	2083	2228	2274	10119
								1%	1%	1%	1%	1%	3%
							grade 4 events	2089	2296	2177	2274	2265	9754
								1%	1%	1%	1%	1%	3%
							grade 5 events	7755	8228	7484	9140	9447	25565
								4%	4%	3%	4%	4%	9%
							grade 6 events	3985	4948	3767	4229	4987	61102
								2%	2%	1%	2%	2%	22%
							grade 7 events	147089	144271	163283	162579	170699	129331
								82%	81%	83%	82%	82%	47%

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	153.877112	153.8261004201642	CCD I2 on	Y	Y
[deg] Pointing Dec	-57.856941	-57.86130822206168	CCD I3 on	Y	Y
[deg] Pointing Roll	158.728320	158.8937996433548	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	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	306238860.184000	306237433.4167	CCD S5 on	N	N
Observation start date	2007-09-15T10:19:55	2007-09-15T09:57:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	306258860.184000	306259905.51778	On-chip summing requested	N	N
Observation end date	2007-09-15T15:53:15	2007-09-15T16:11:45	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



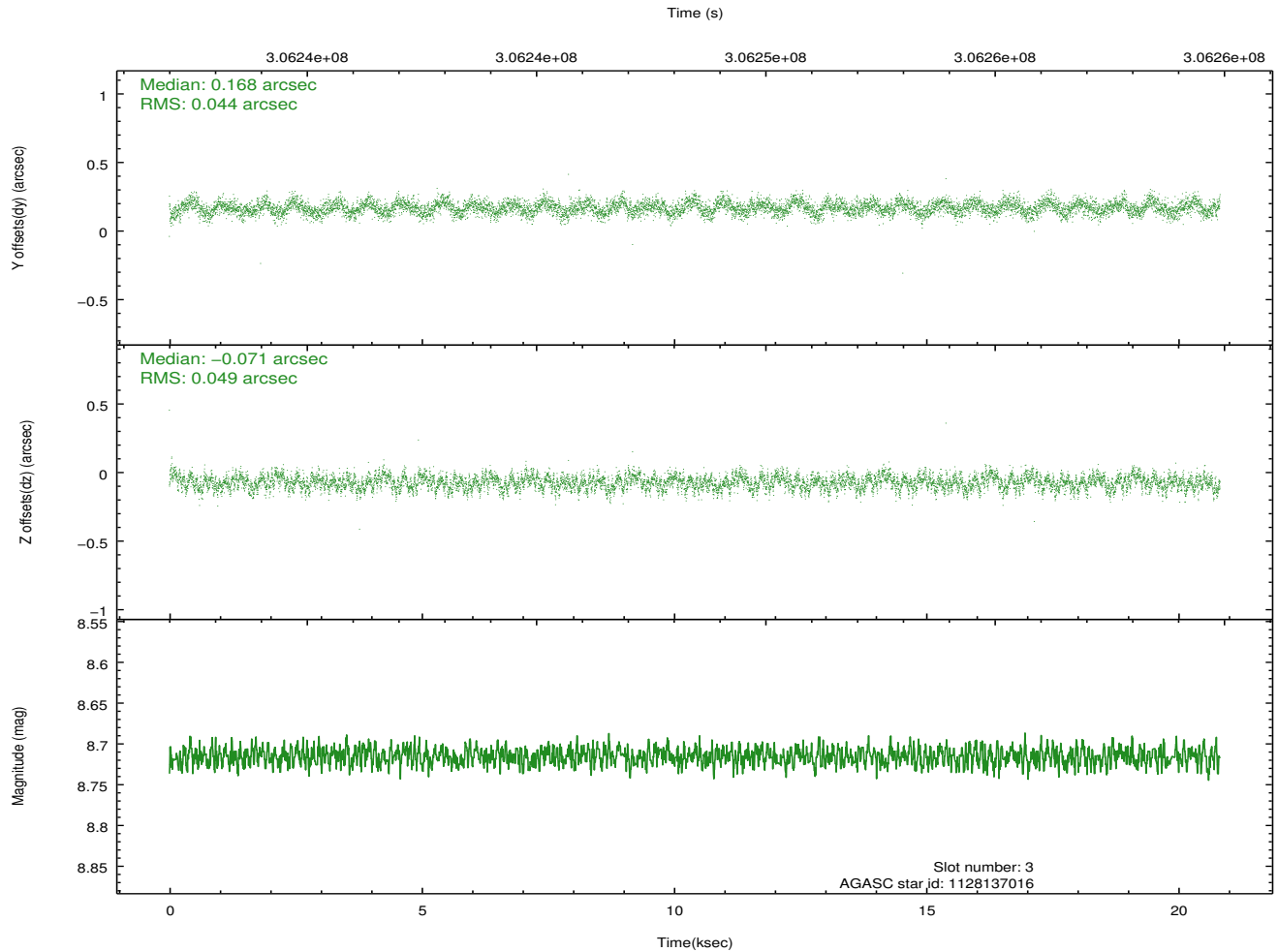
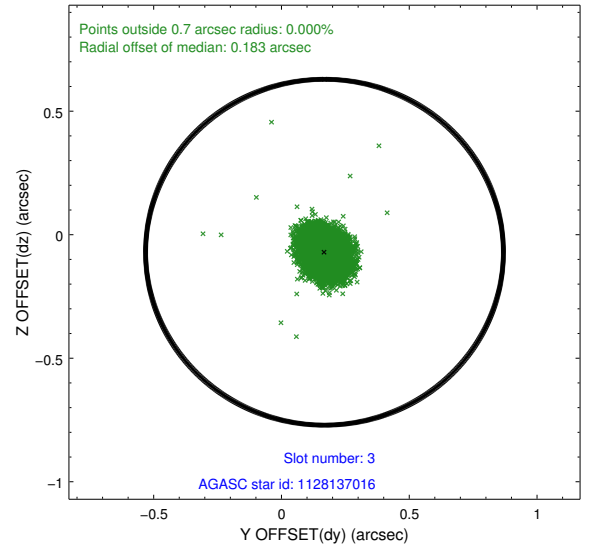
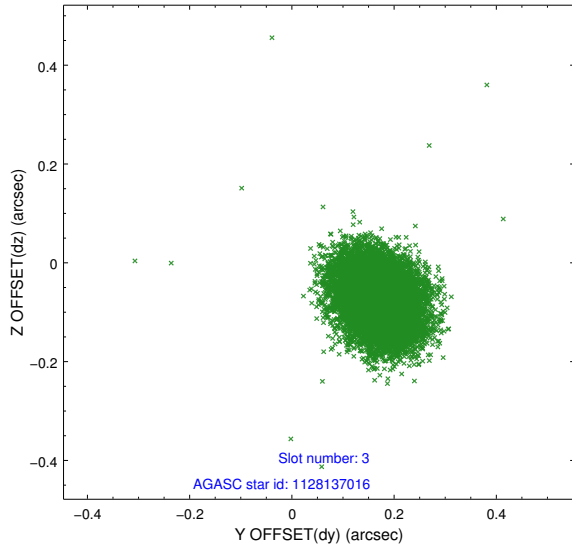


Slot Statistics

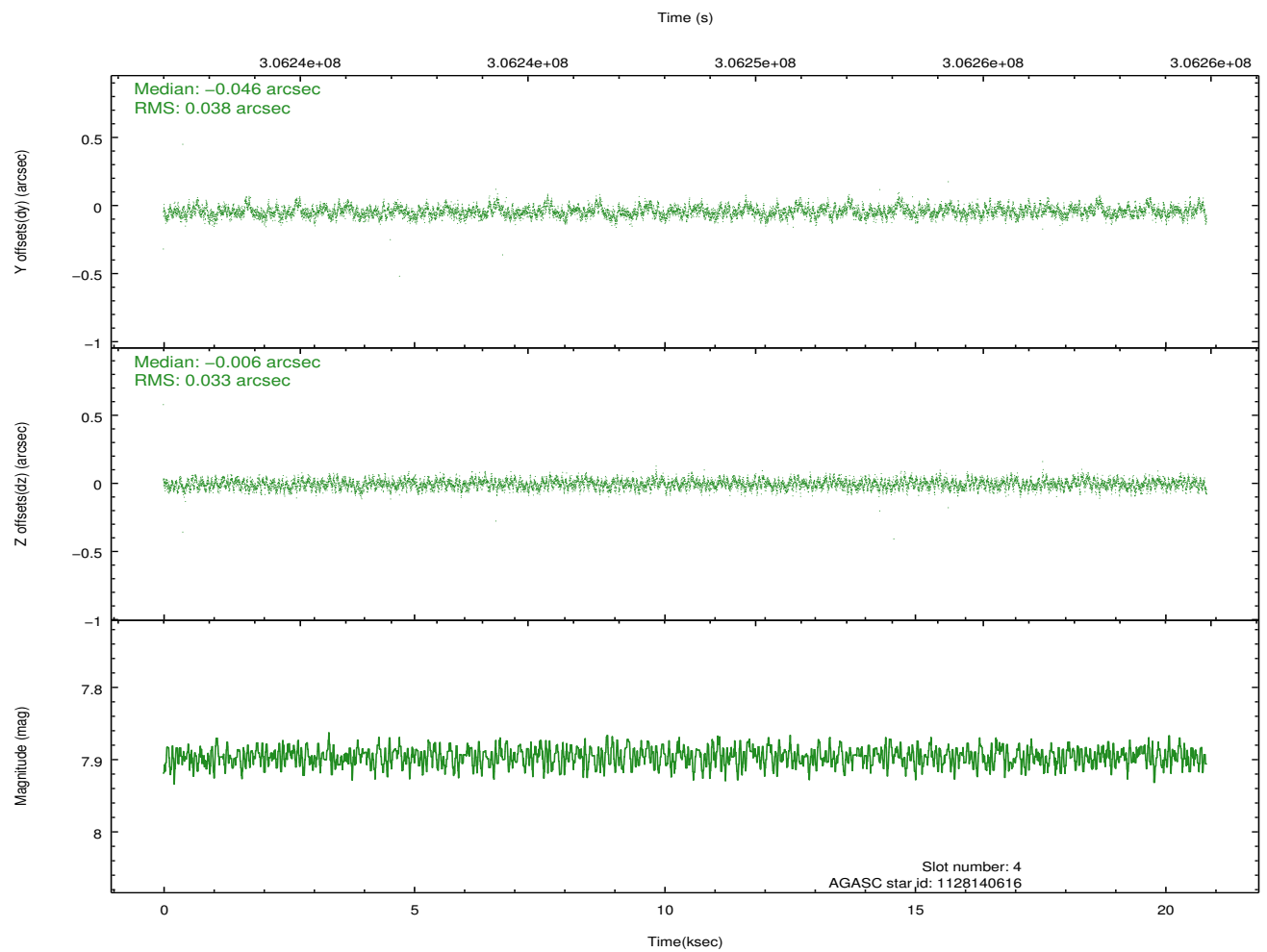
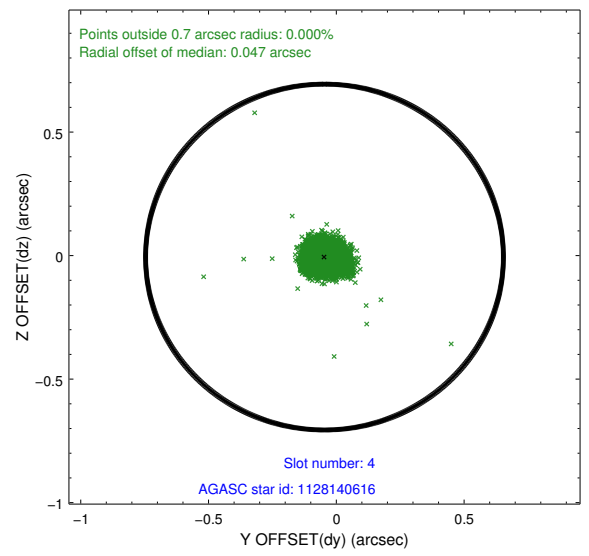
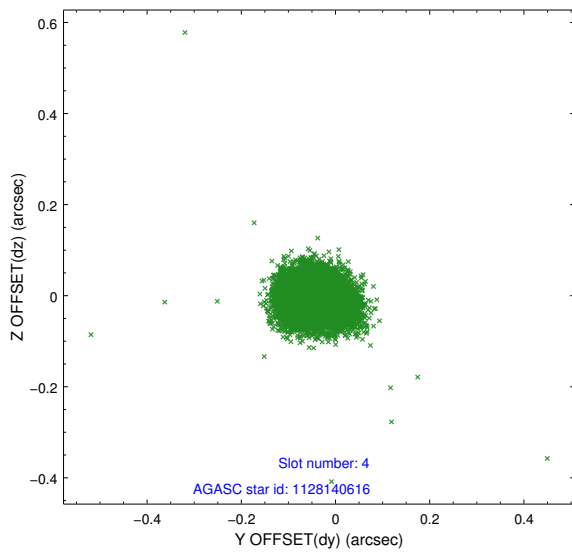
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	5079	-0.032	-0.019	0.017	0.046	0.000000	0.000000	925.03	-839.69
1	FID	ACIS-I-2	7.14	5079	-0.170	-0.053	0.012	0.022	0.000000	0.000000	-769.10	-846.22
2	FID	ACIS-I-4	7.14	5080	0.104	0.138	0.014	0.026	0.000000	0.000000	2145.01	1060.15
3	GUIDE	1128137016	8.72	10154	0.168	-0.071	0.069	0.111	153.049284	-57.884001	1437.86	674.71
4	GUIDE	1128140616	7.90	10159	-0.046	-0.006	0.052	0.085	152.845909	-58.044805	1580.30	1357.23
5	GUIDE	1128273656	7.63	10160	0.075	0.012	0.051	0.086	154.969776	-57.507105	-1517.92	-1924.14
6	GUIDE	1128275192	7.48	10159	-0.035	0.112	0.055	0.089	155.146895	-57.766309	-2161.84	-1167.30
7	GUIDE	1128798008	8.52	10158	-0.165	-0.048	0.090	0.140	153.338718	-58.362994	284.74	2070.26

2.4 Star Slots

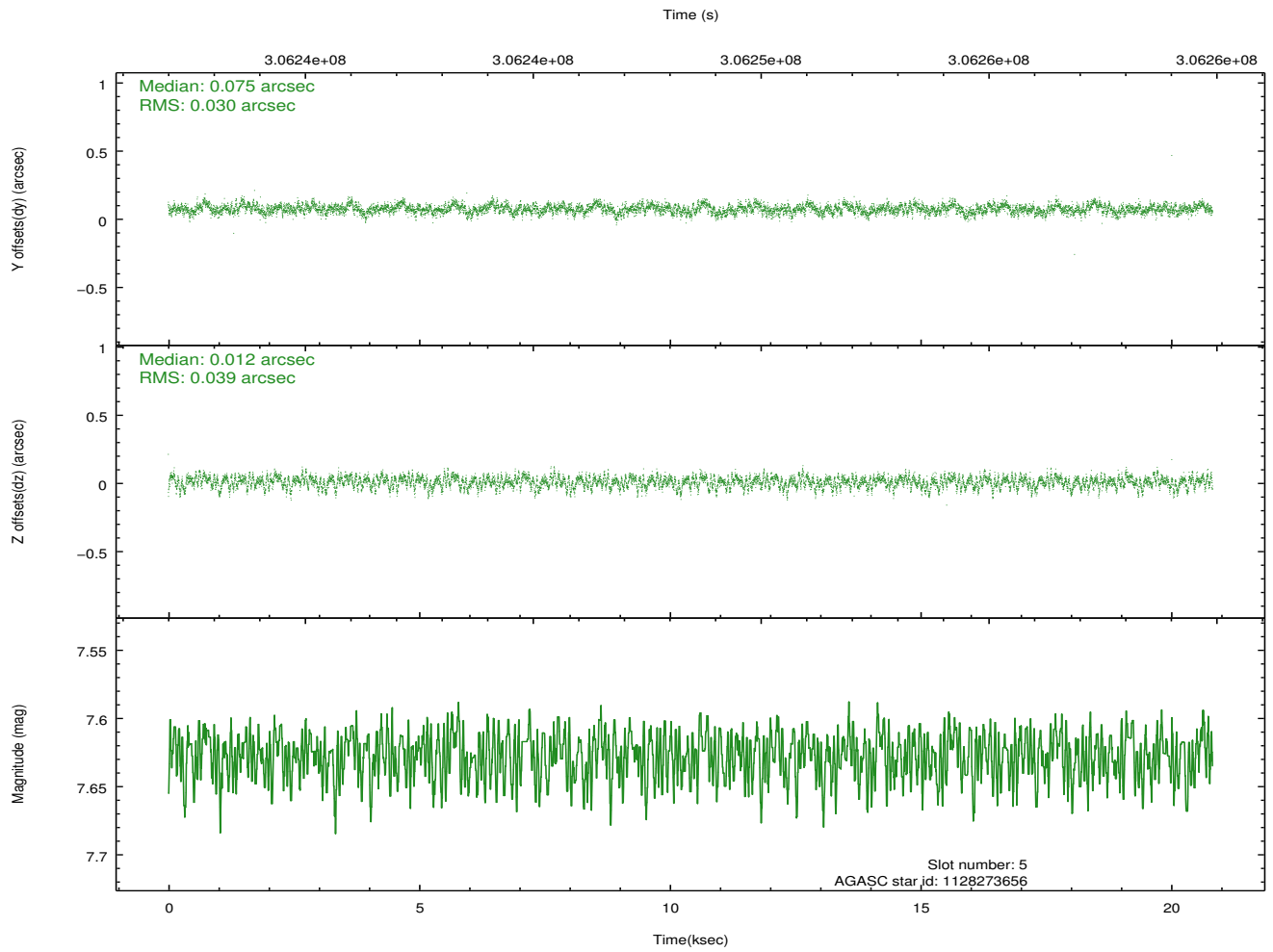
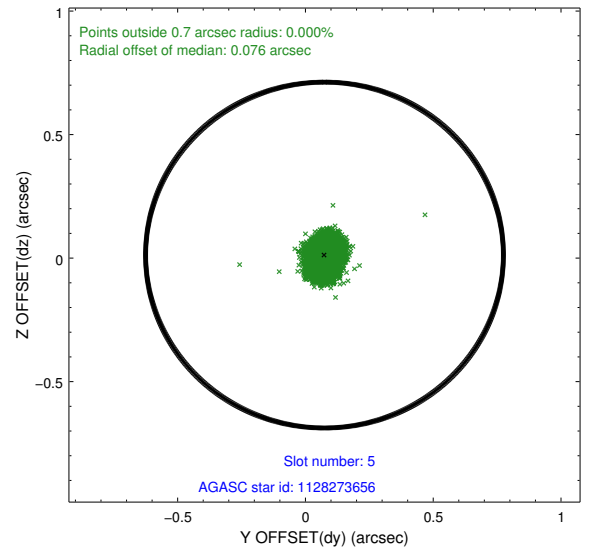
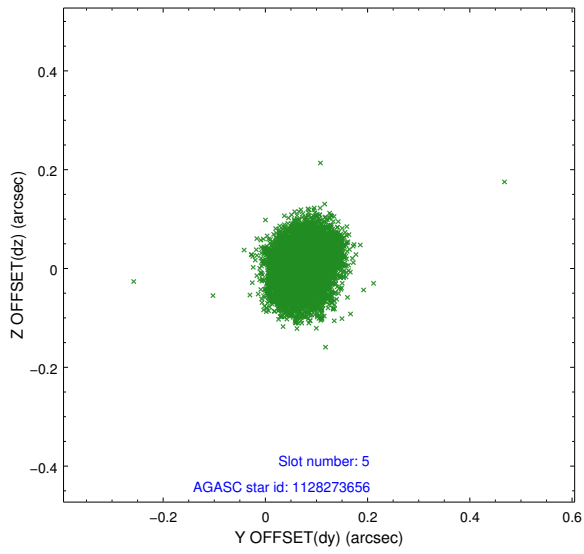
2.4.1 Slot 3



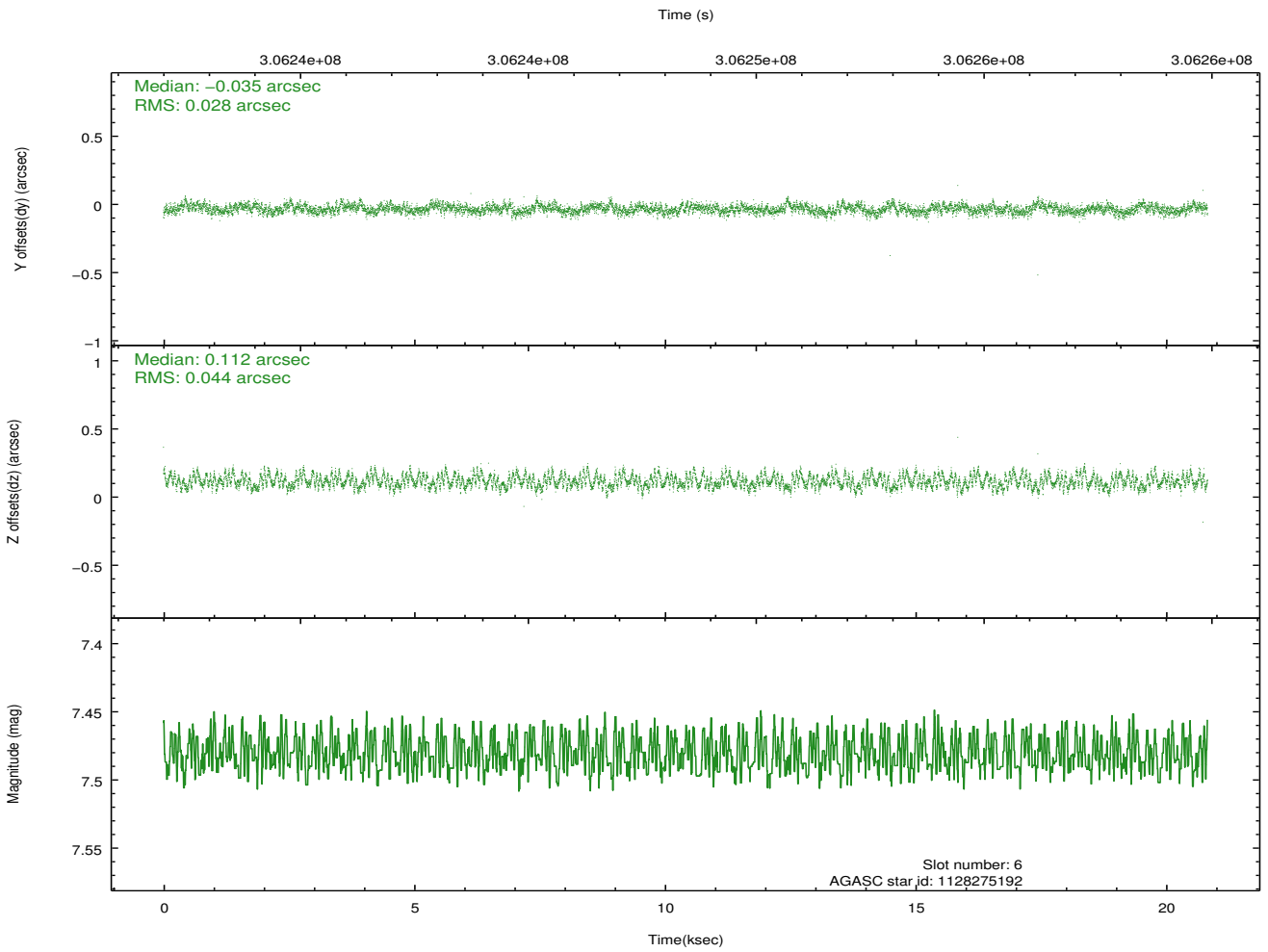
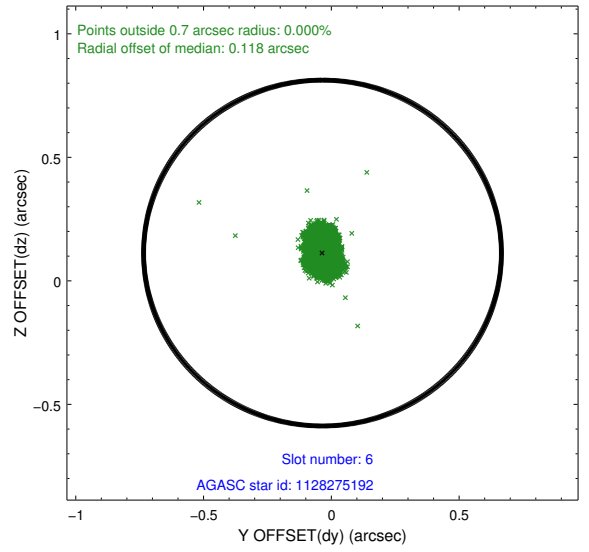
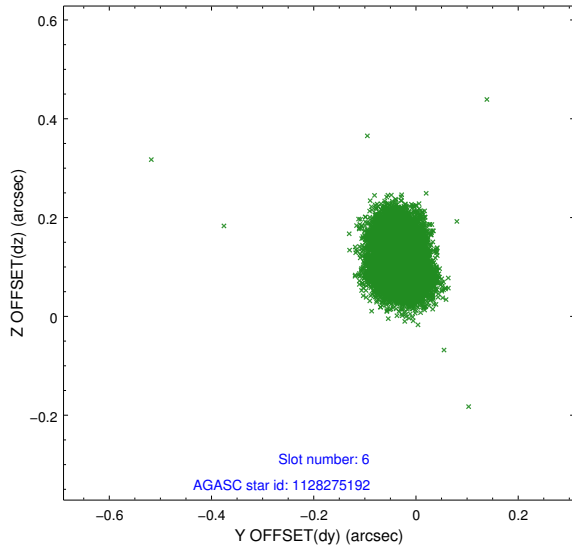
2.4.2 Slot 4



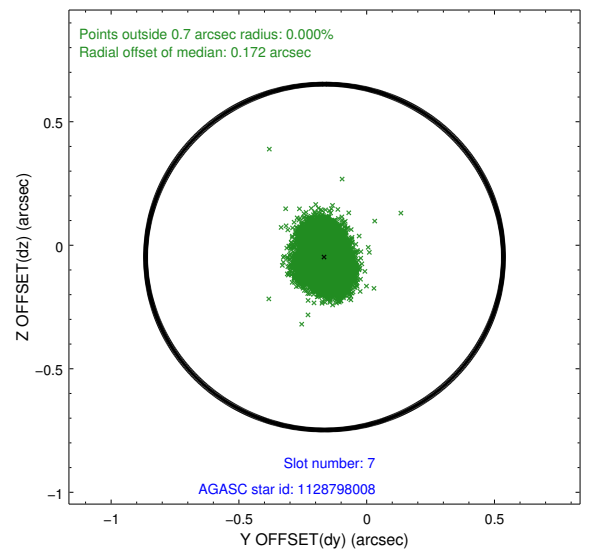
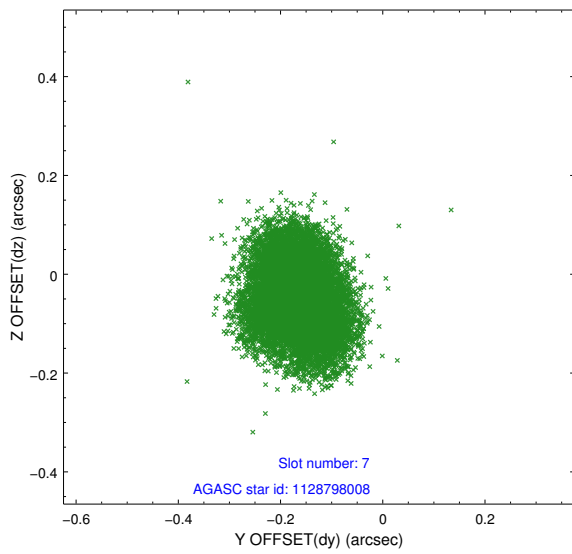
2.4.3 Slot 5



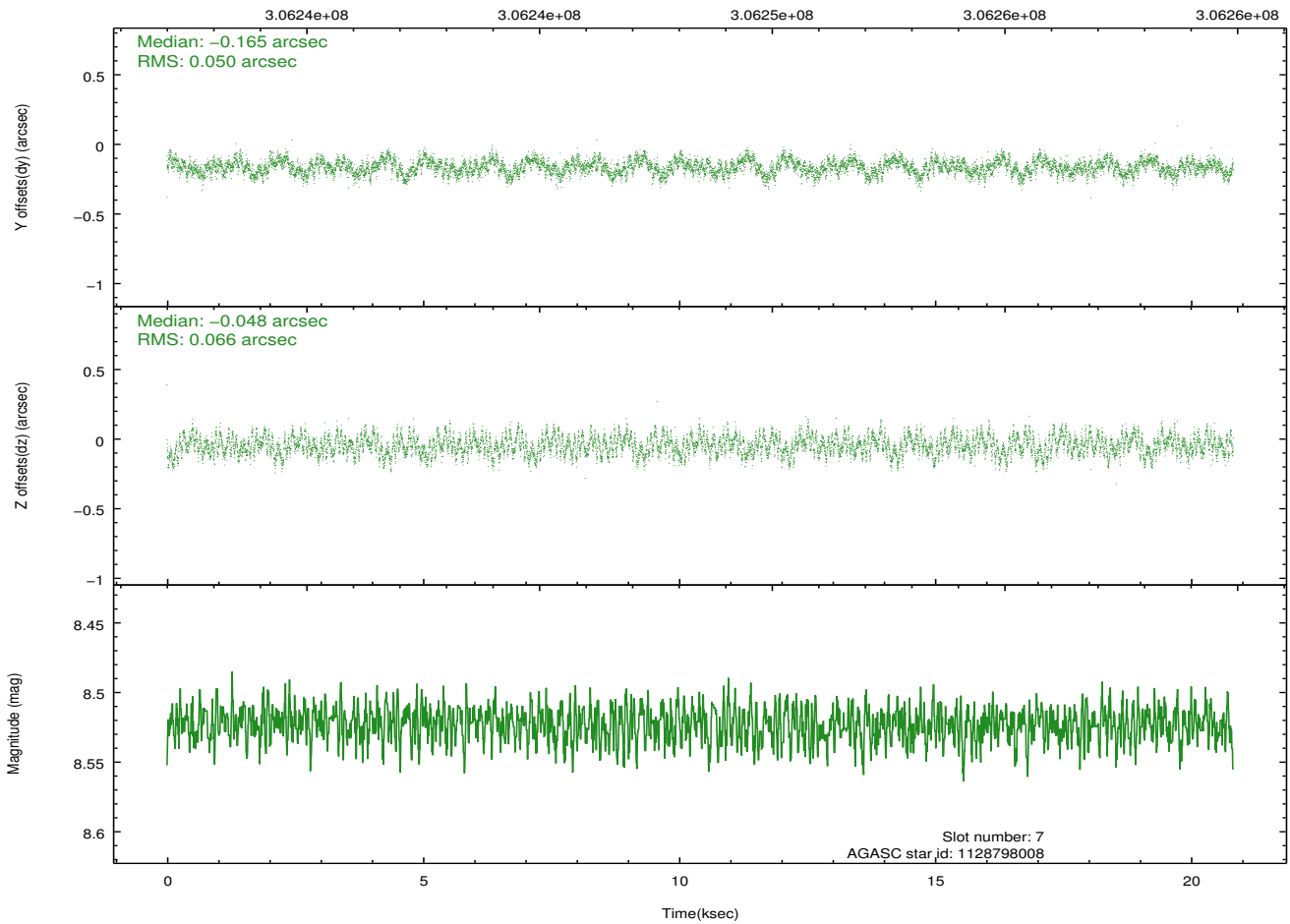
2.4.4 Slot 6



2.4.5 Slot 7

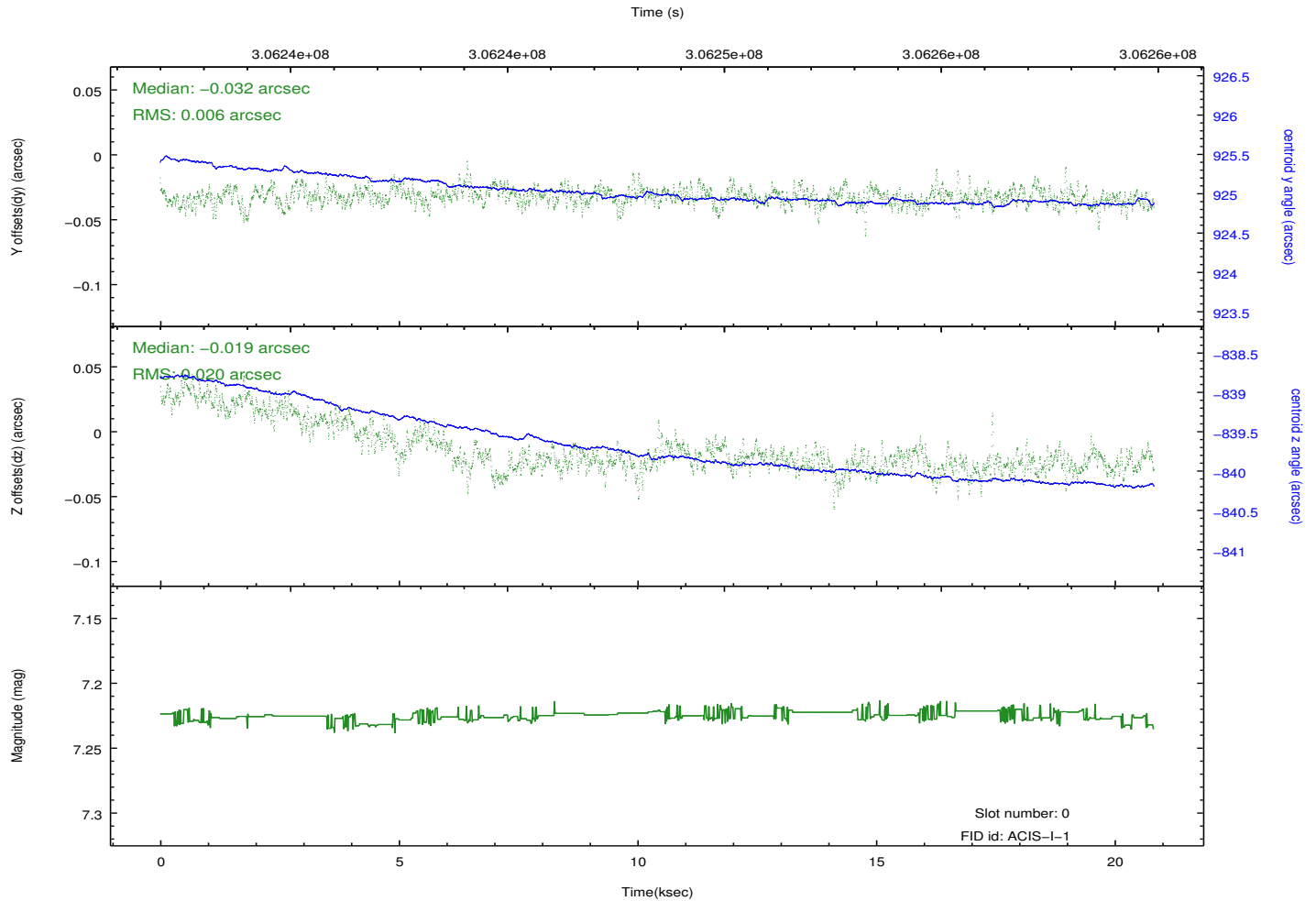
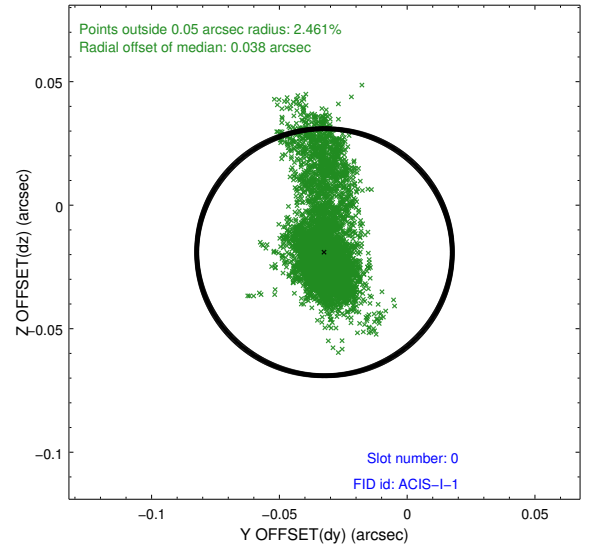
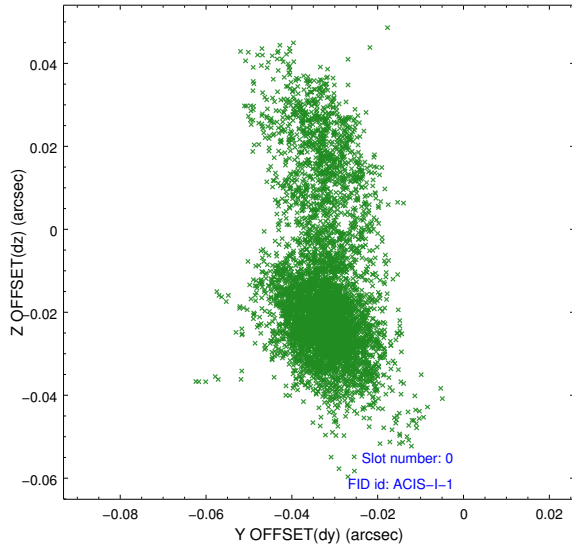


Time (s)

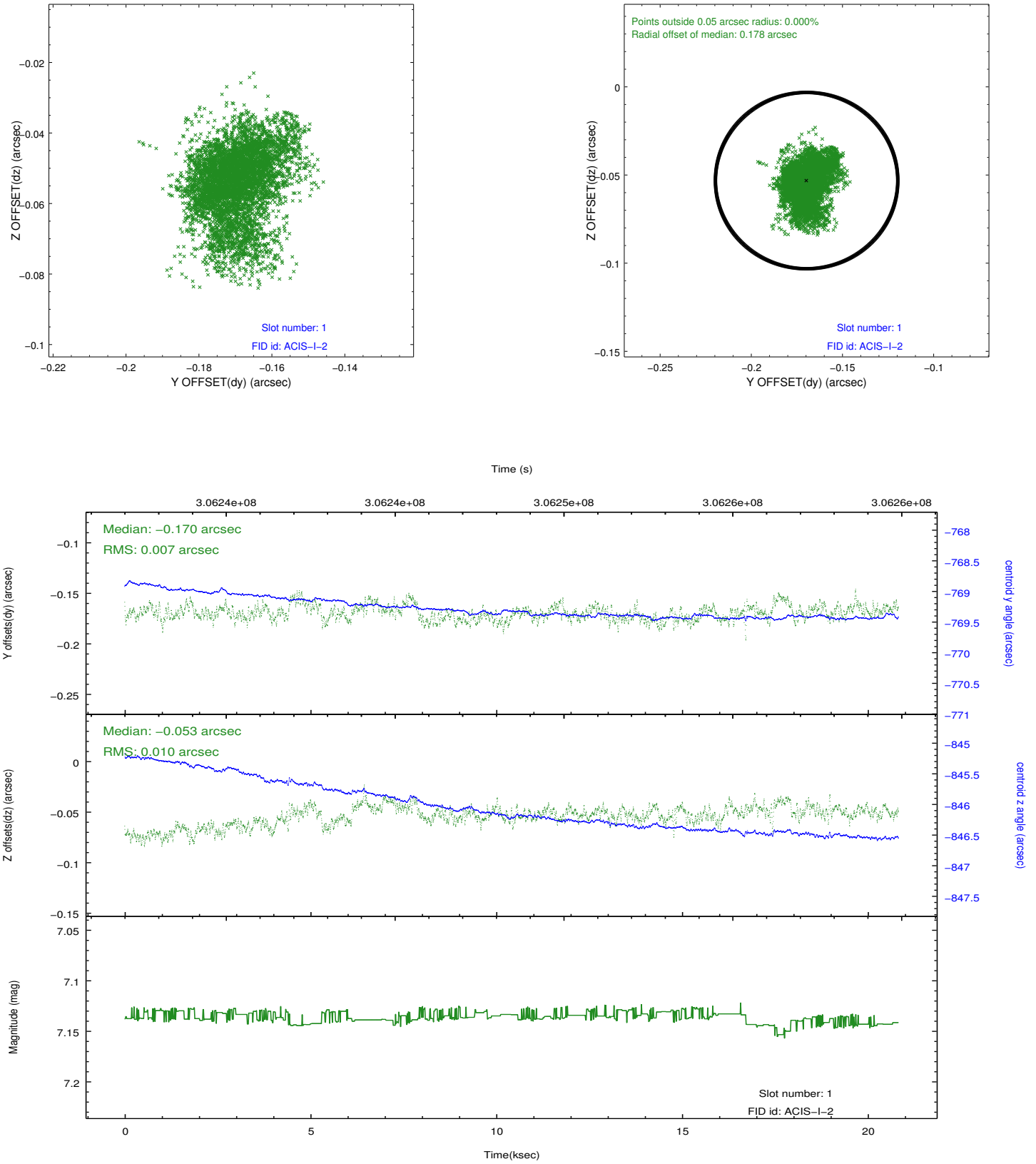


2.5 FID Slots

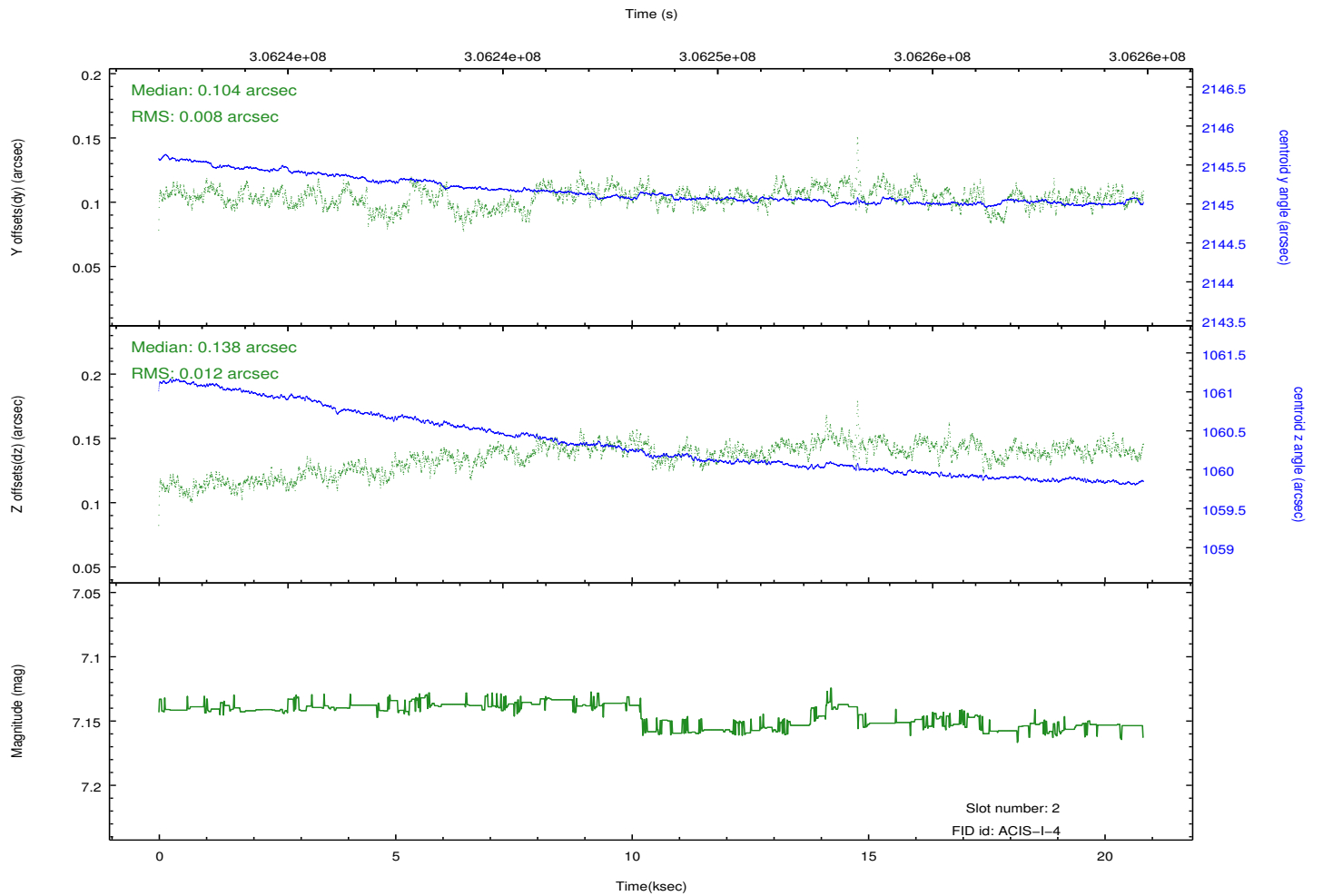
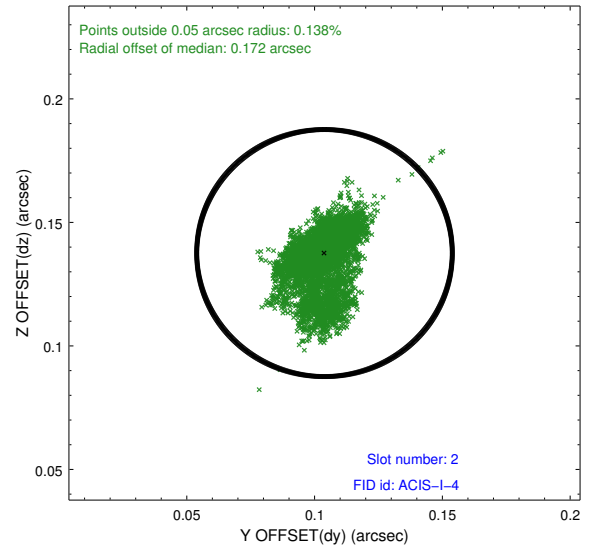
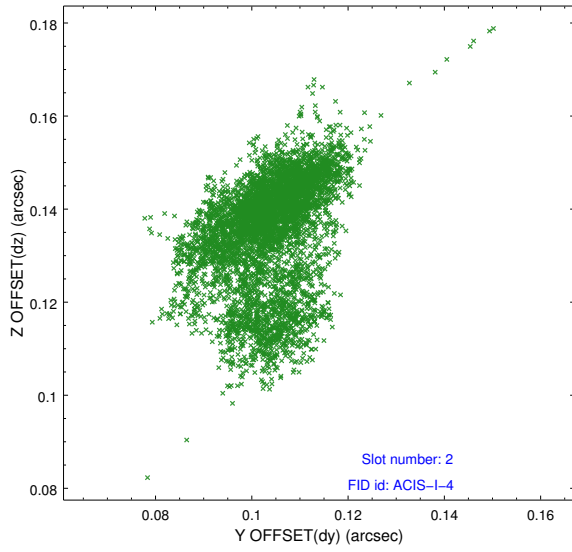
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.9519999

A.2 Comments

Joint proposal with Spitzer.