

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4370 - L2 Version 3
Chandra X-Ray Center

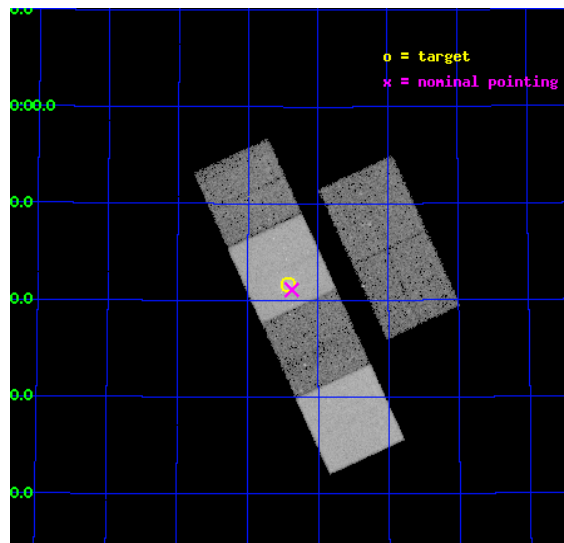
L2 Processing Date : Oct 14 2012

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1 Front

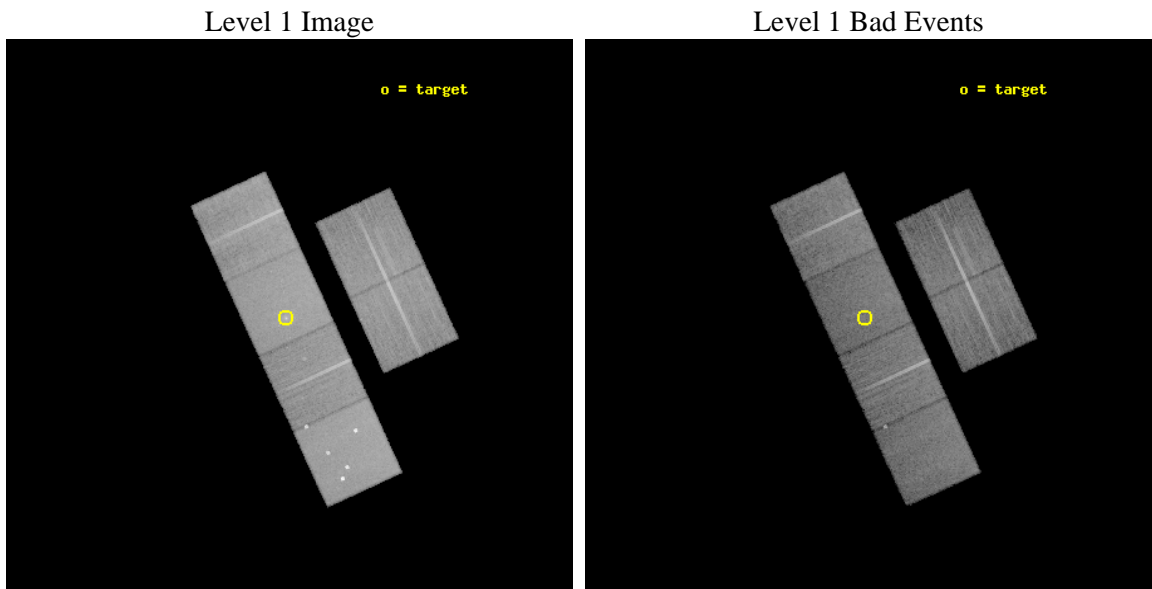
seq_num	700522	Sequence number
obs_id	4370	Observation id
title	ACIS-S IMAGING-SPECTROSCOPY OF THREE INTERMEDIATE FRI/FRII RADIO GALAXIES	Proposal title
observer	Prof Christopher Reynolds	Principal investigator
object	3C401	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	295.104583	Observer's specified target RA [deg]
dec_targ	60.693056	Observer's specified target Dec [deg]
ra_nom	295.09328873409	Nominal RA [deg]
dec_nom	60.685113763254	Nominal Dec [deg]
roll_nom	245.26648339927	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25171.19990623	Sum of GTIs [s]
liveltime	24852.46701674	Livetime [s]
ontime2	25171.19990623	Sum of GTIs [s]
ontime3	25171.19990623	Sum of GTIs [s]
ontime5	25167.958935946	Sum of GTIs [s]
ontime6	25171.19990623	Sum of GTIs [s]
ontime7	25171.19990623	Sum of GTIs [s]
ontime8	25171.19990623	Sum of GTIs [s]
l2events	246050	Number of level 2 events



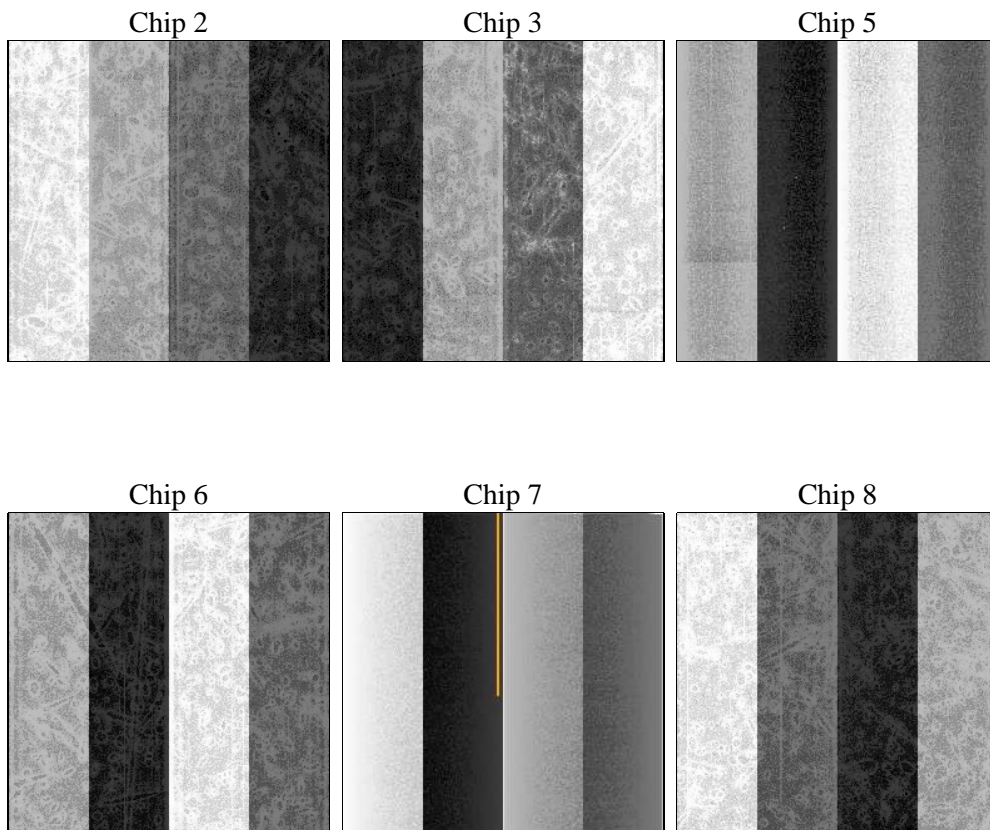
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25171.19990623	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	25171.19990623	Sum of GTIs [s]
date	2012-10-14T20:18:44	Date and time of file creation	ontime3	25171.19990623	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	25167.958935946	Sum of GTIs [s]
			ontime6	25171.19990623	Sum of GTIs [s]
			ontime7	25171.19990623	Sum of GTIs [s]
			ontime8	25171.19990623	Sum of GTIs [s]
			l1events	1117302	Number of level 1 events

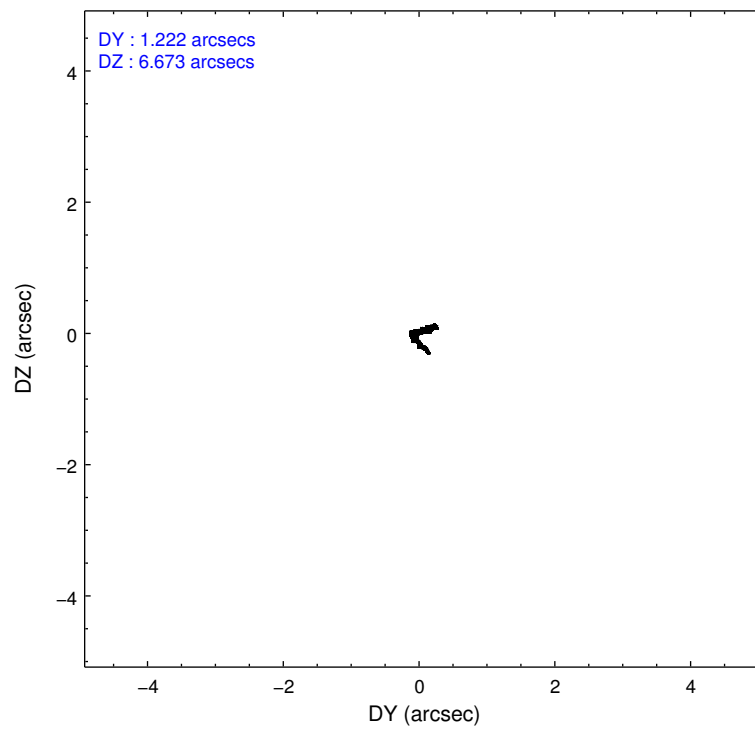
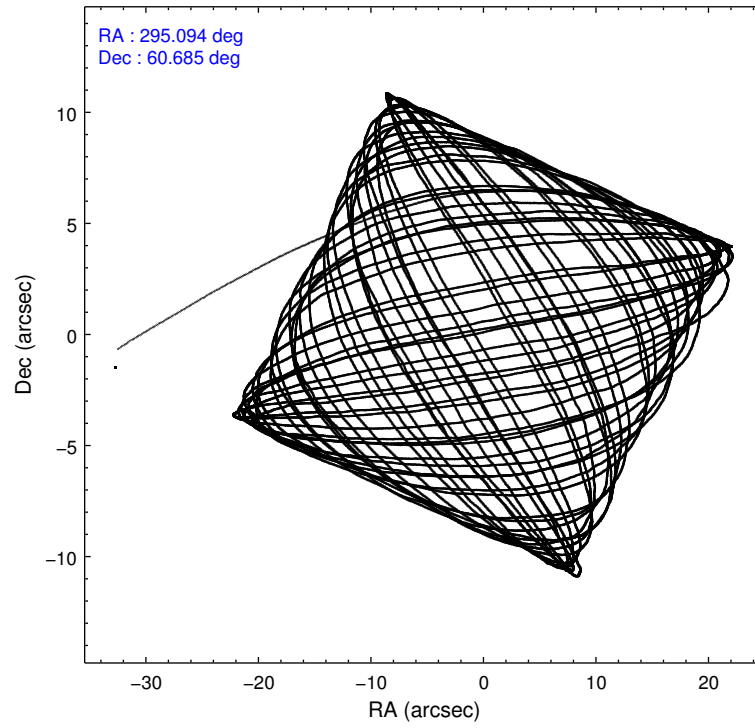
2.1.4 Events

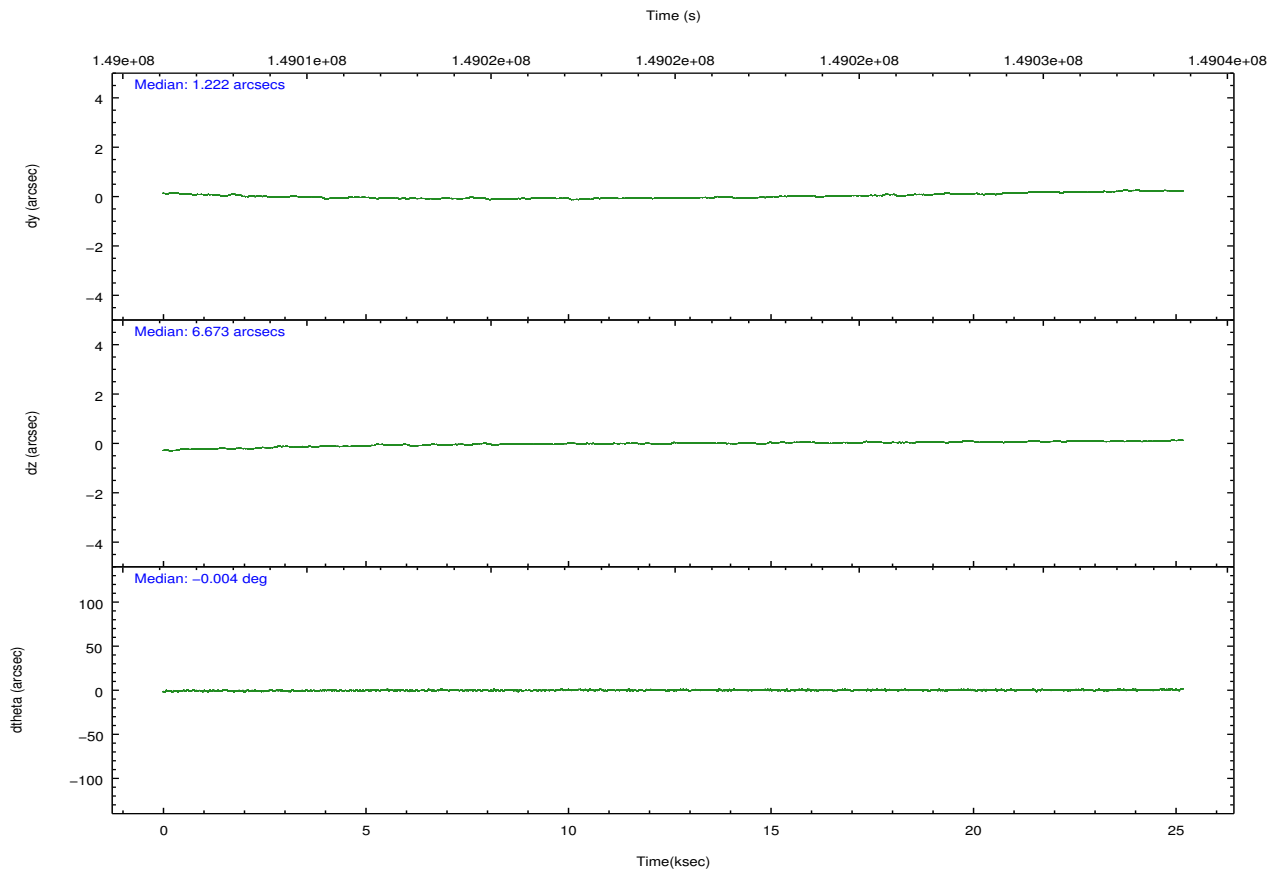
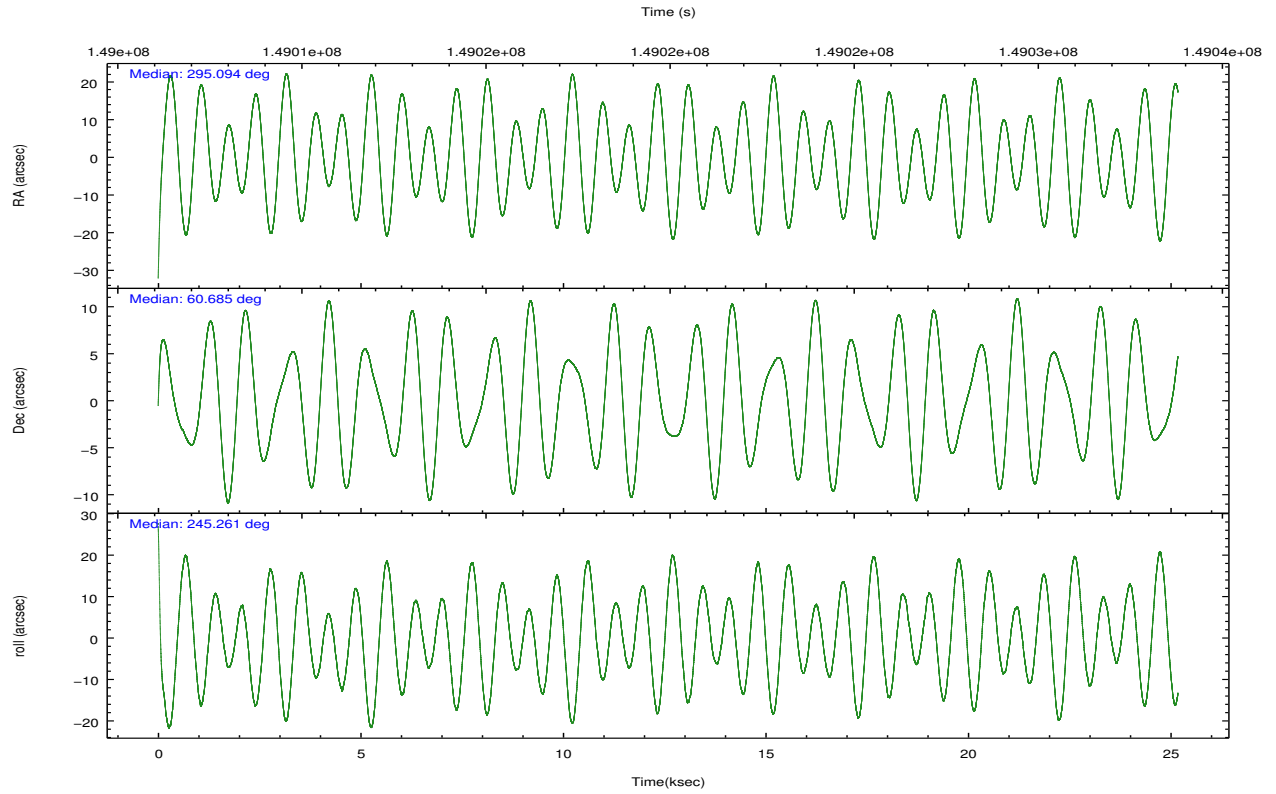
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	161362	151490	241297	158410	209131	195612	grade 0 events	7859	7745	21793	7492	9182	12339
rejected events	143495	133848	123554	139838	120738	156856		4%	5%	9%	4%	4%	6%
rejected %	88%	88%	51%	88%	57%	80%	grade 1 events	102	87	767	81	183	108
								0%	0%	0%	0%	0%	0%
							grade 2 events	3518	3310	34234	3745	17543	8343
								2%	2%	14%	2%	8%	4%
							grade 3 events	1759	1696	3983	1902	7911	4077
								1%	1%	1%	1%	3%	2%
							grade 4 events	1748	1787	3786	1811	7971	3796
								1%	1%	1%	1%	3%	1%
							grade 5 events	5906	6347	16456	6767	19479	9089
								3%	4%	6%	4%	9%	4%
							grade 6 events	2986	3107	53986	3629	45814	10208
								1%	2%	22%	2%	21%	5%
							grade 7 events	137484	127411	106292	132983	101048	147652
								85%	84%	44%	83%	48%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	295.087436	295.0932887340881	Subarray requested	NONE	NONE
[deg] Pointing Dec	60.712207	60.68511376325377	Alternating exposures requested	N	N
[deg] Pointing Roll	245.114952	245.2664833992727	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	149007529.184000	149006461.75293			
Observation start date	2002-09-21T14:57:45	2002-09-21T14:41:01			
[s] Observation end time (MET)	149032529.184000	149033142.50403			
Observation end date	2002-09-21T21:54:25	2002-09-21T22:05:42			
Read mode	TIMED	TIMED			

2.3 Aspect



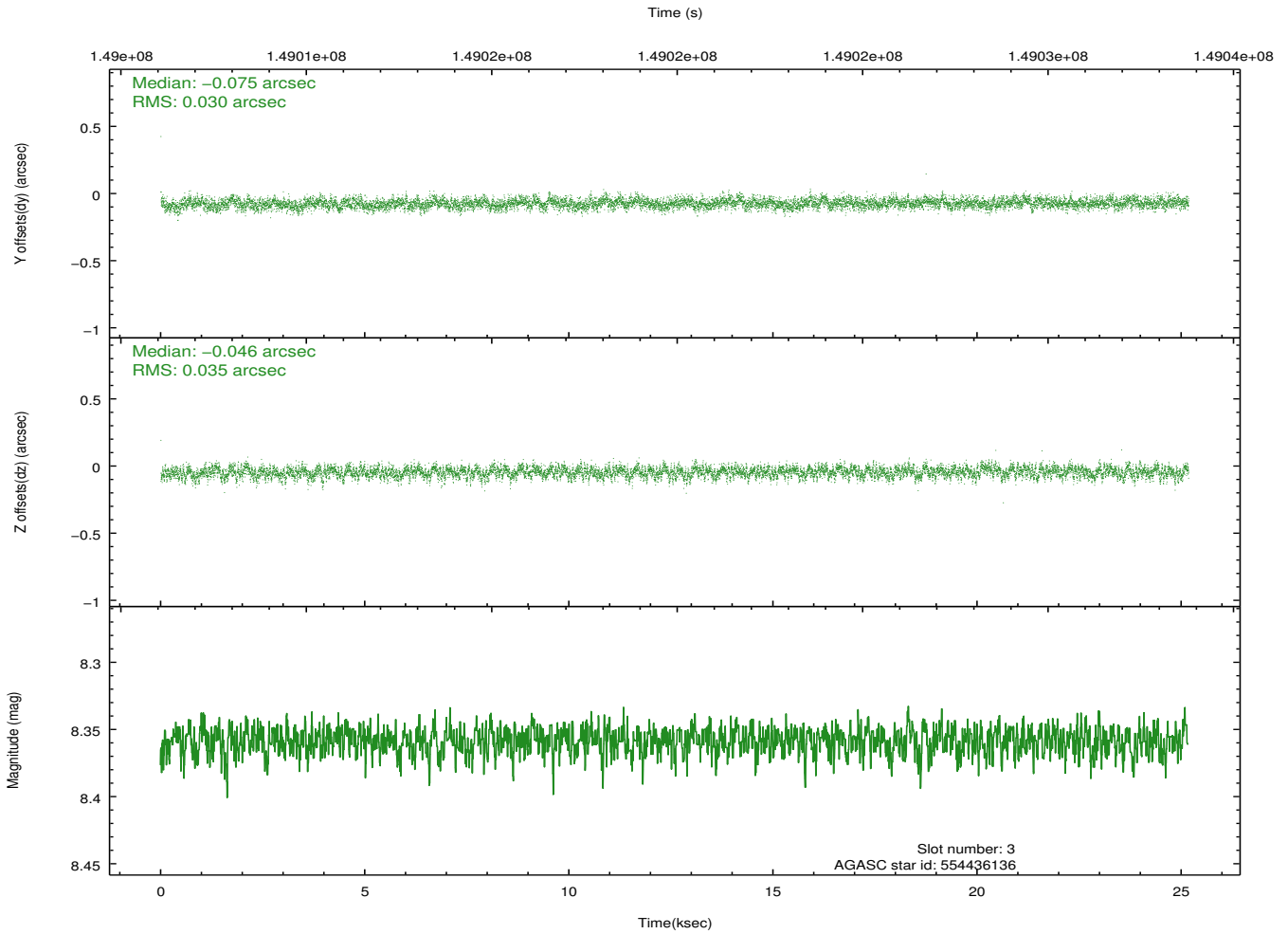
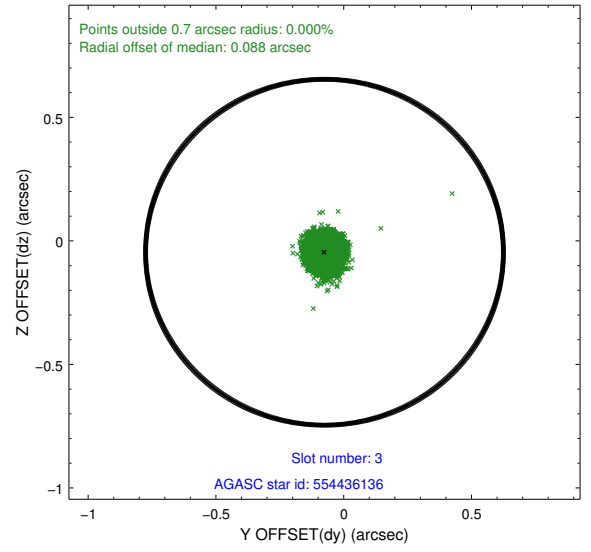
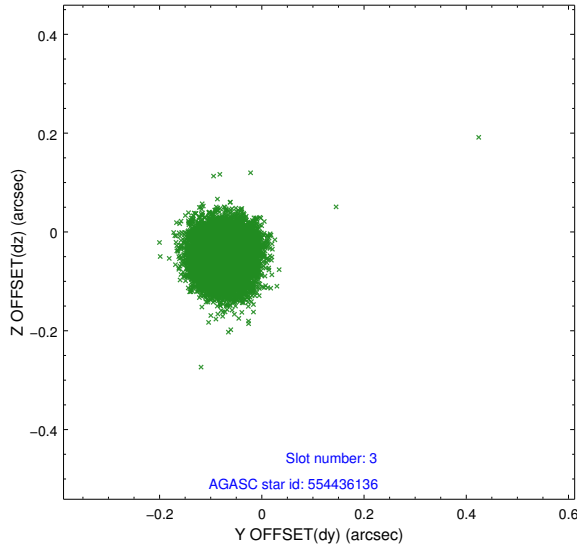


Slot Statistics

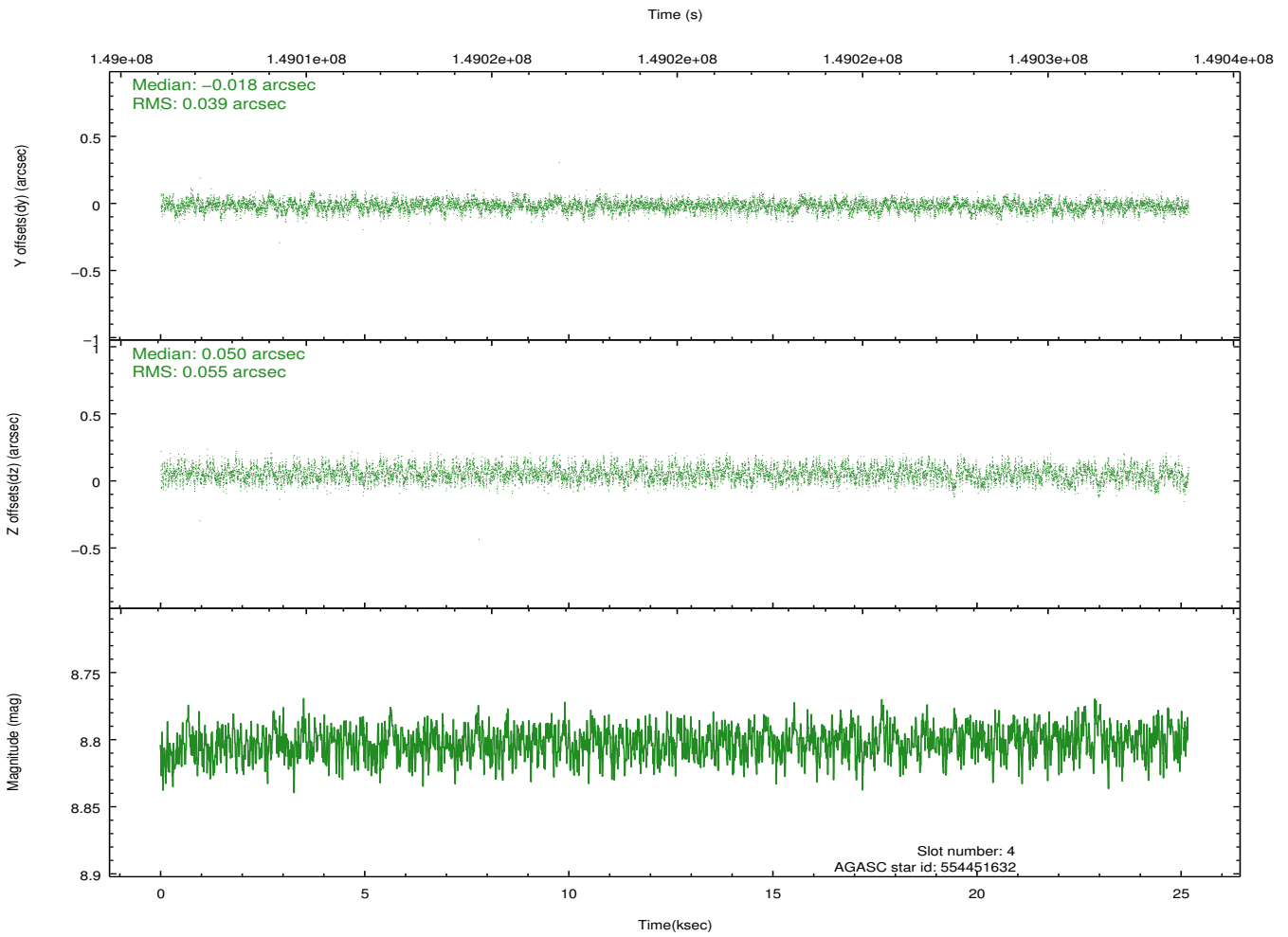
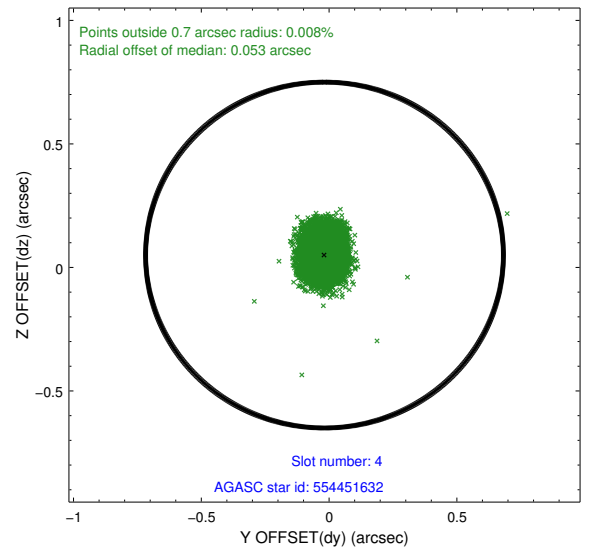
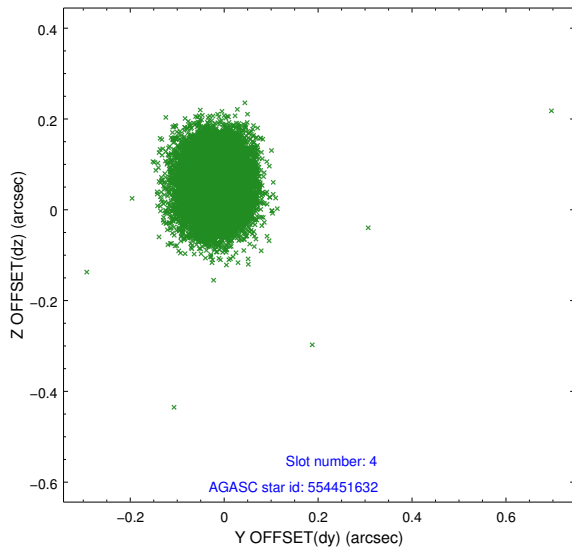
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	6140	-0.014	0.031	0.008	0.013	0.000000	0.000000	-753.85	-1727.78
1	FID	ACIS-S-3	7.36	6141	-0.050	-0.093	0.008	0.013	0.000000	0.000000	59.19	-1857.25
2	FID	ACIS-S-4	7.20	6140	0.037	0.065	0.005	0.010	0.000000	0.000000	2159.55	180.60
3	GUIDE	554436136	8.36	12279	-0.075	-0.046	0.049	0.078	295.312888	60.232943	1396.02	1091.44
4	GUIDE	554451632	8.80	12278	-0.018	0.050	0.072	0.116	294.210908	61.288730	-1252.65	-2252.67
5	GUIDE	554448992	8.67	12279	-0.020	0.002	0.059	0.096	295.034810	61.081791	-1167.31	-643.21
6	GUIDE	554446792	8.82	12282	0.037	-0.033	0.077	0.125	295.560016	60.563175	133.21	982.99
7	GUIDE	554448584	9.49	12260	0.076	0.026	0.096	0.152	293.991372	60.316559	2100.86	-1179.67

2.4 Star Slots

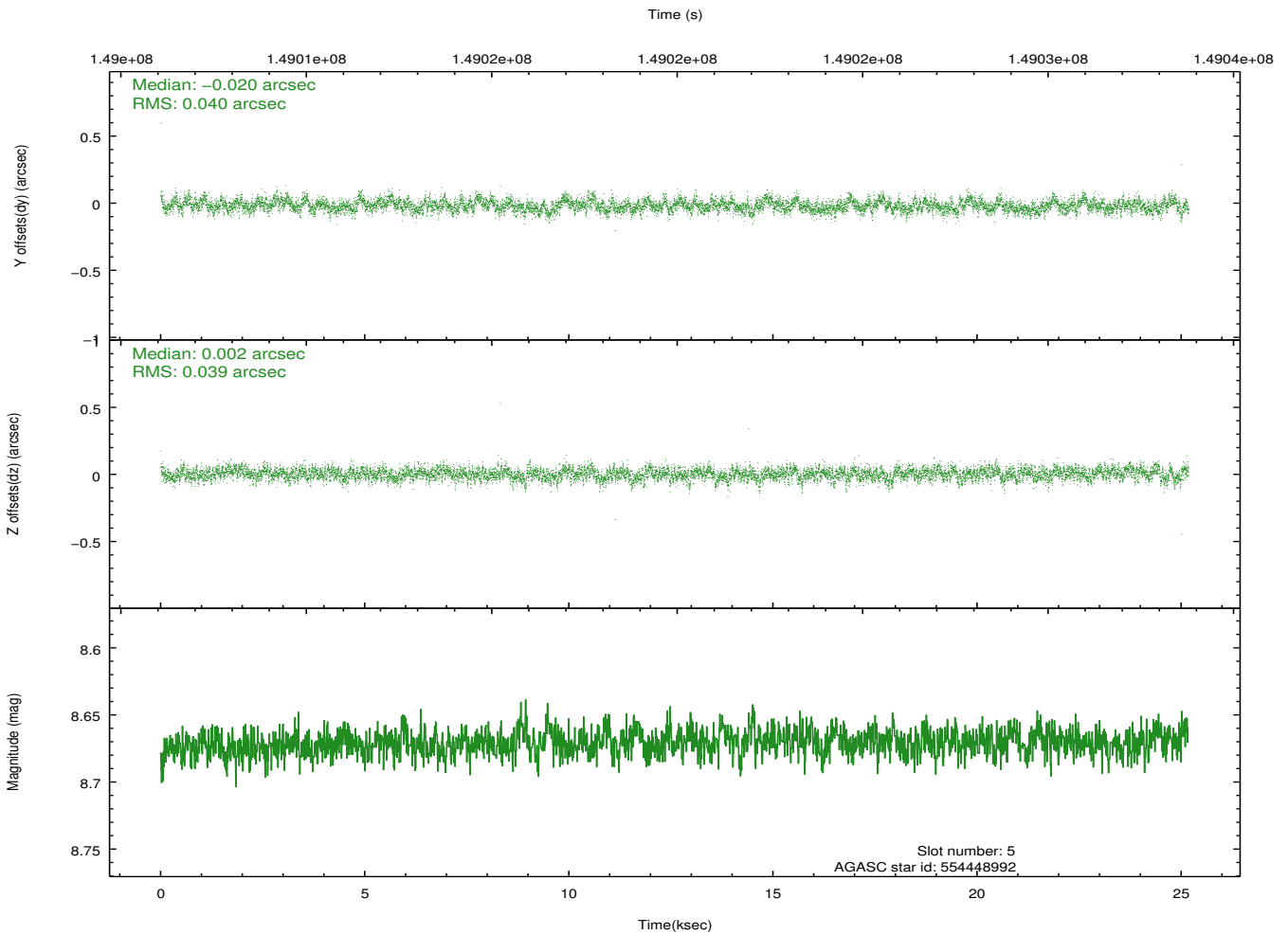
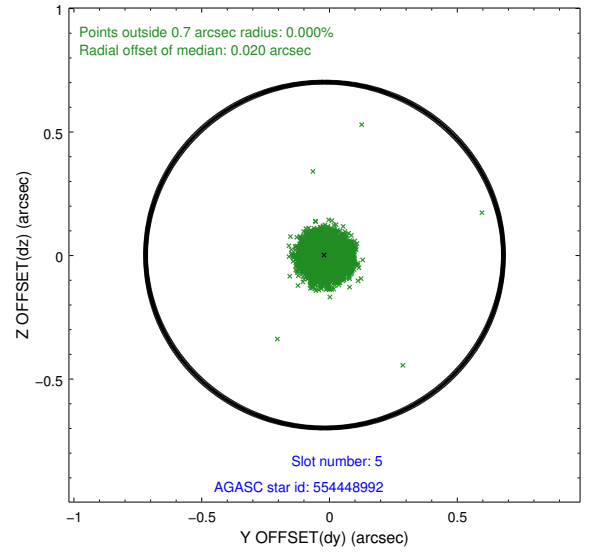
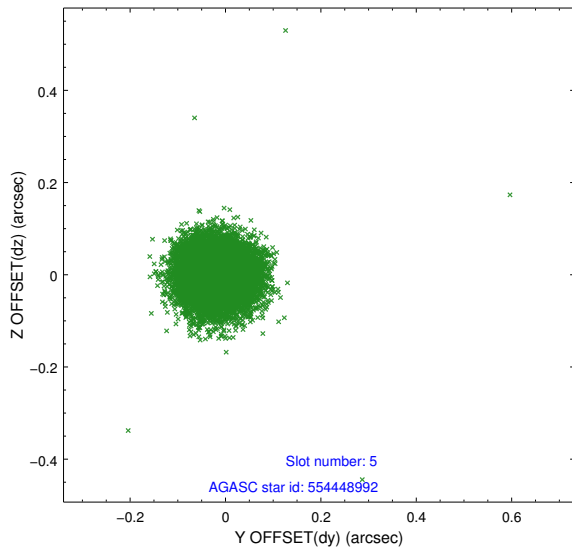
2.4.1 Slot 3



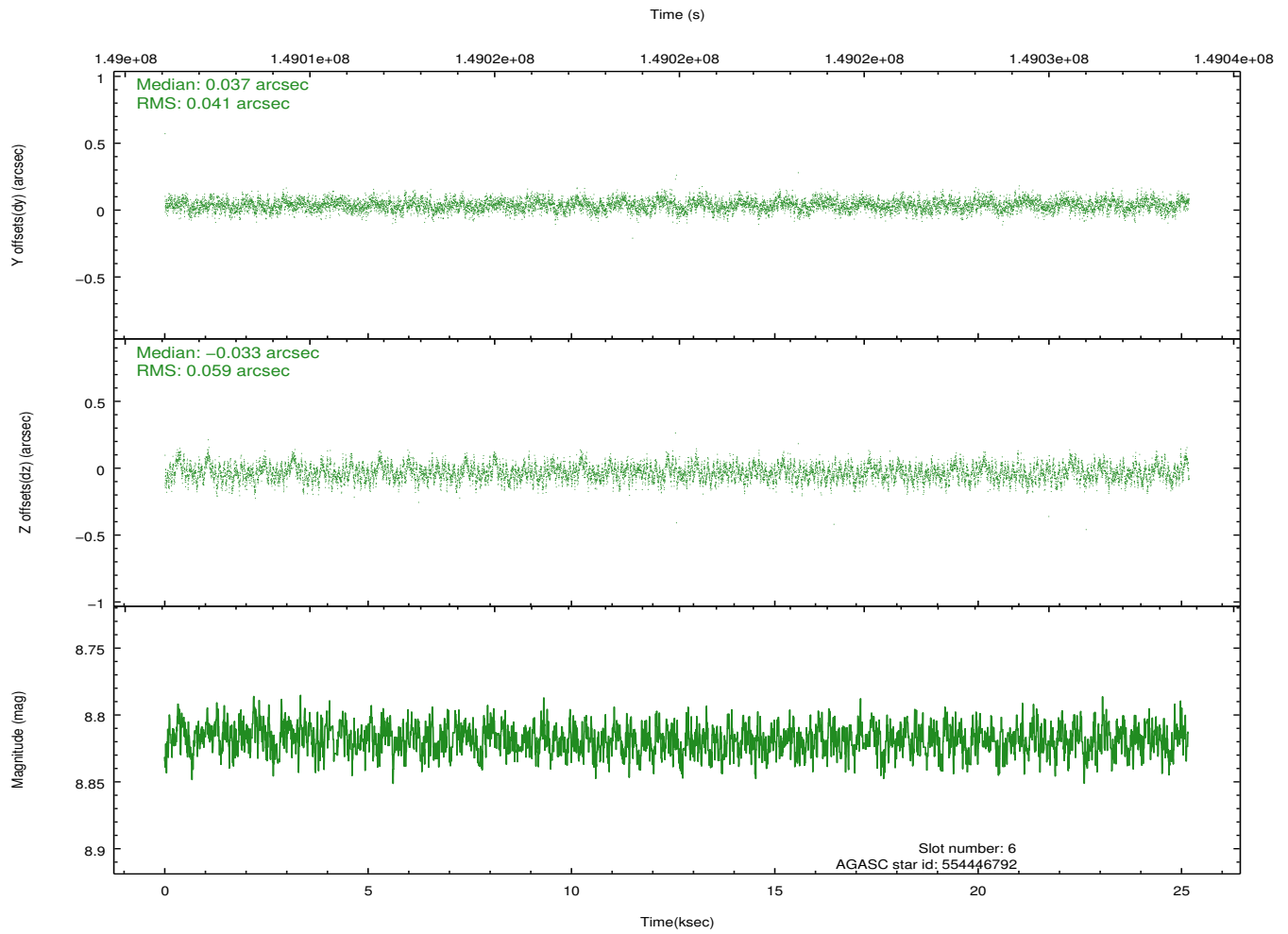
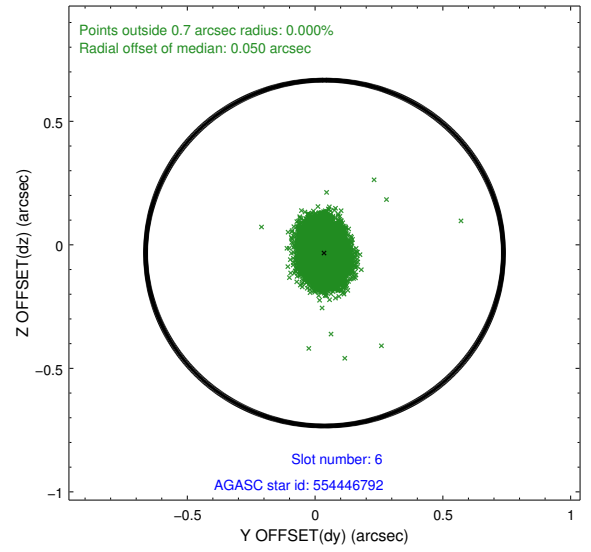
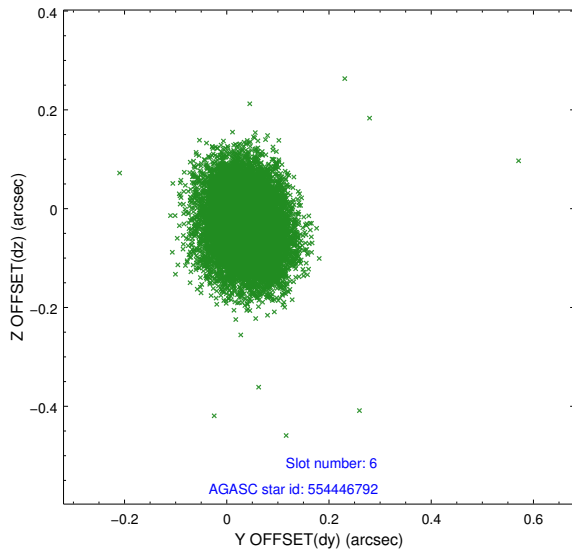
2.4.2 Slot 4



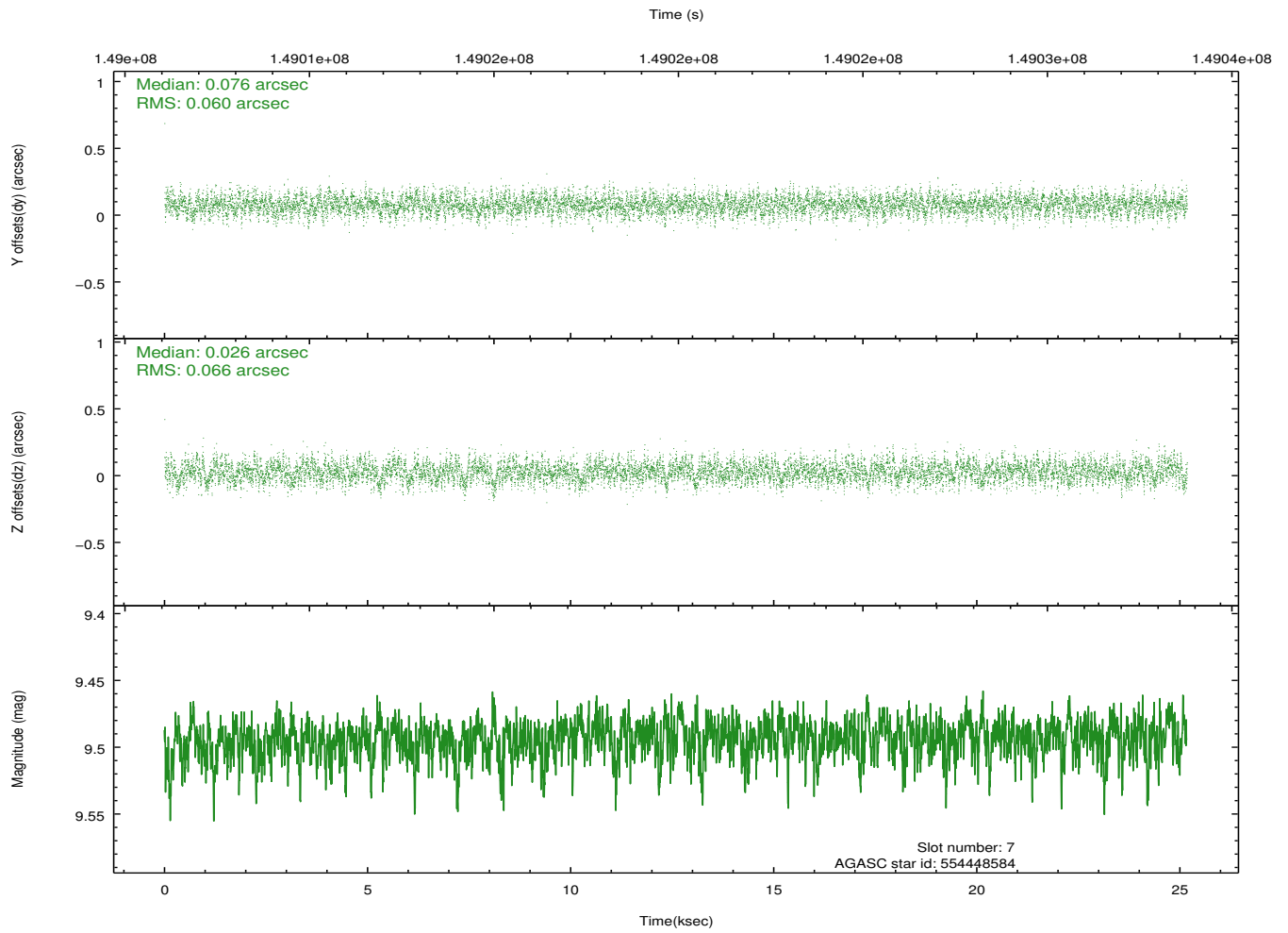
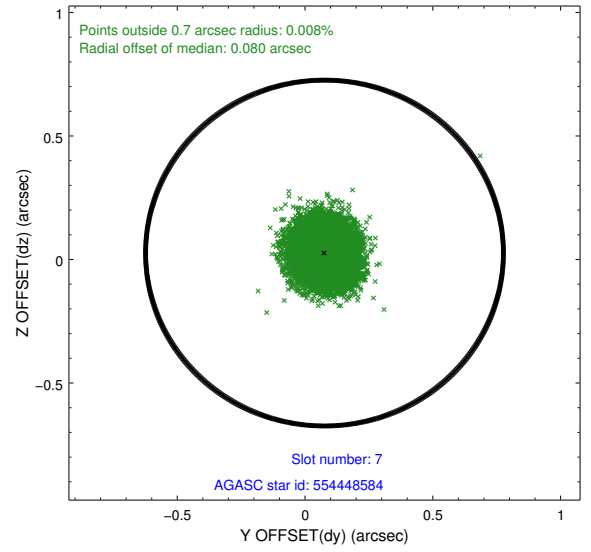
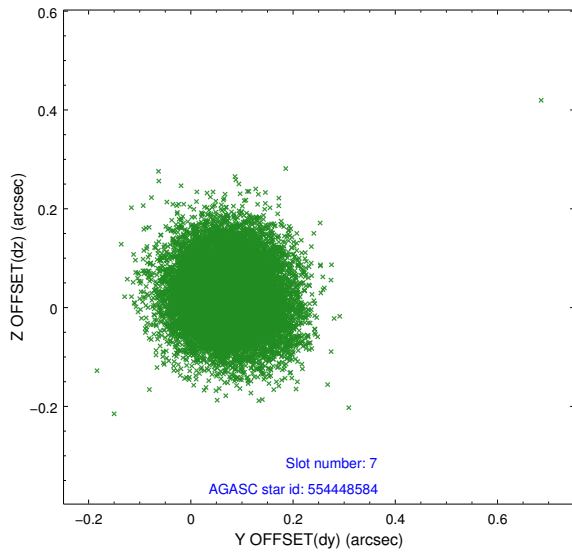
2.4.3 Slot 5



2.4.4 Slot 6

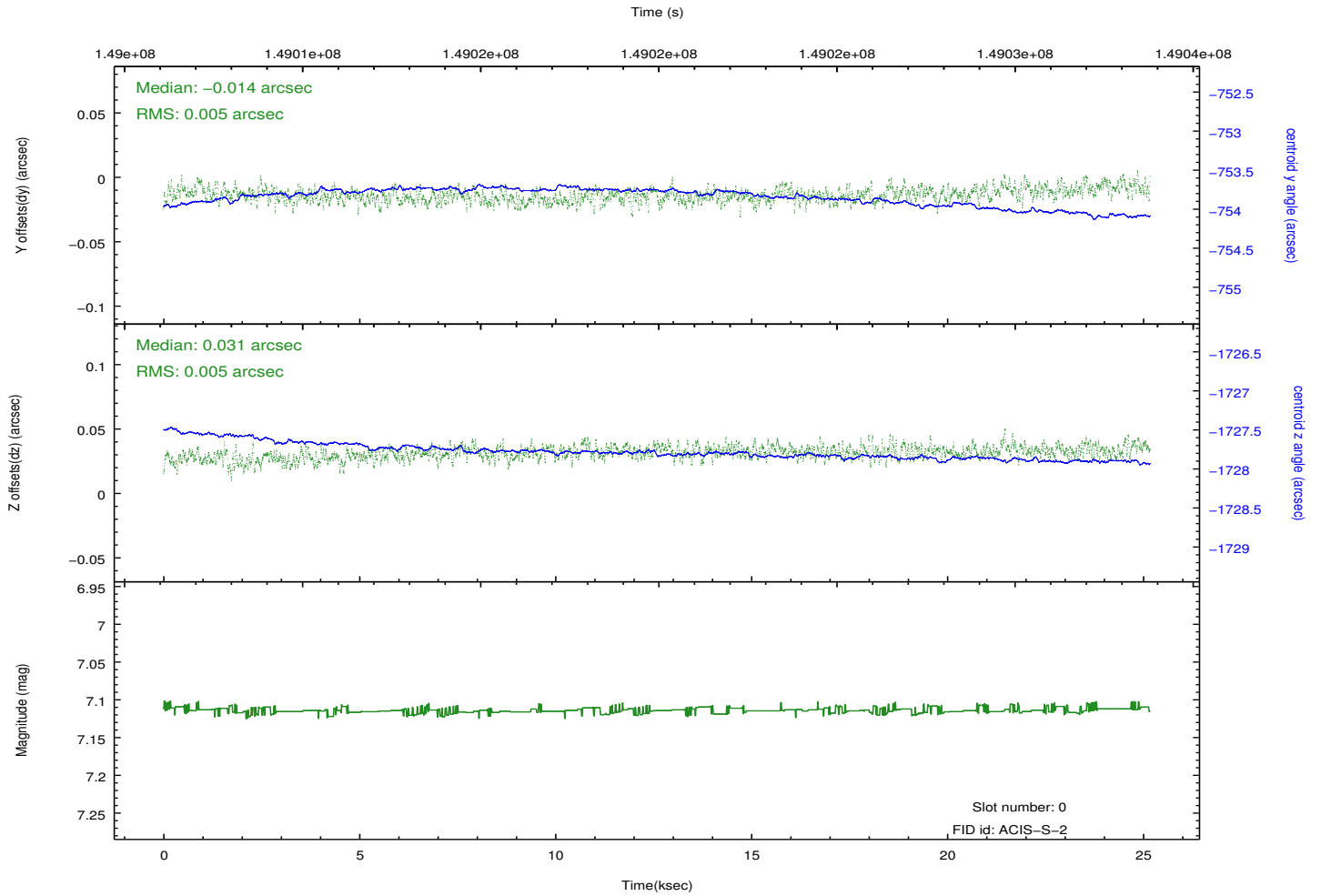
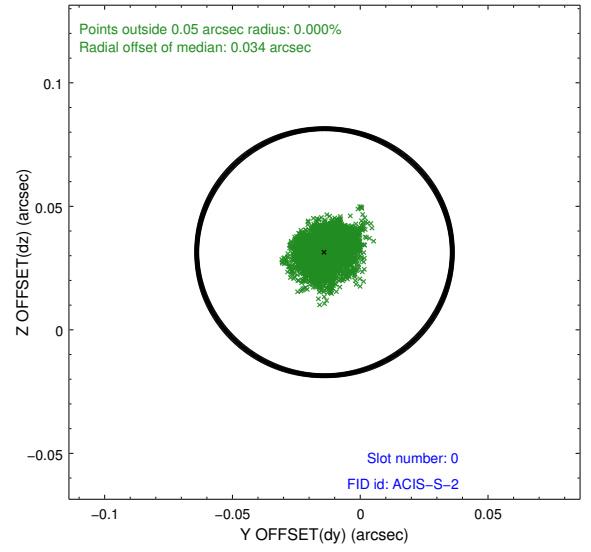
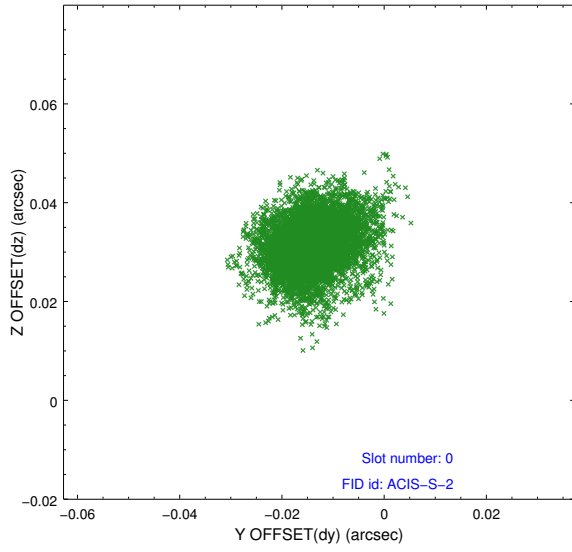


2.4.5 Slot 7

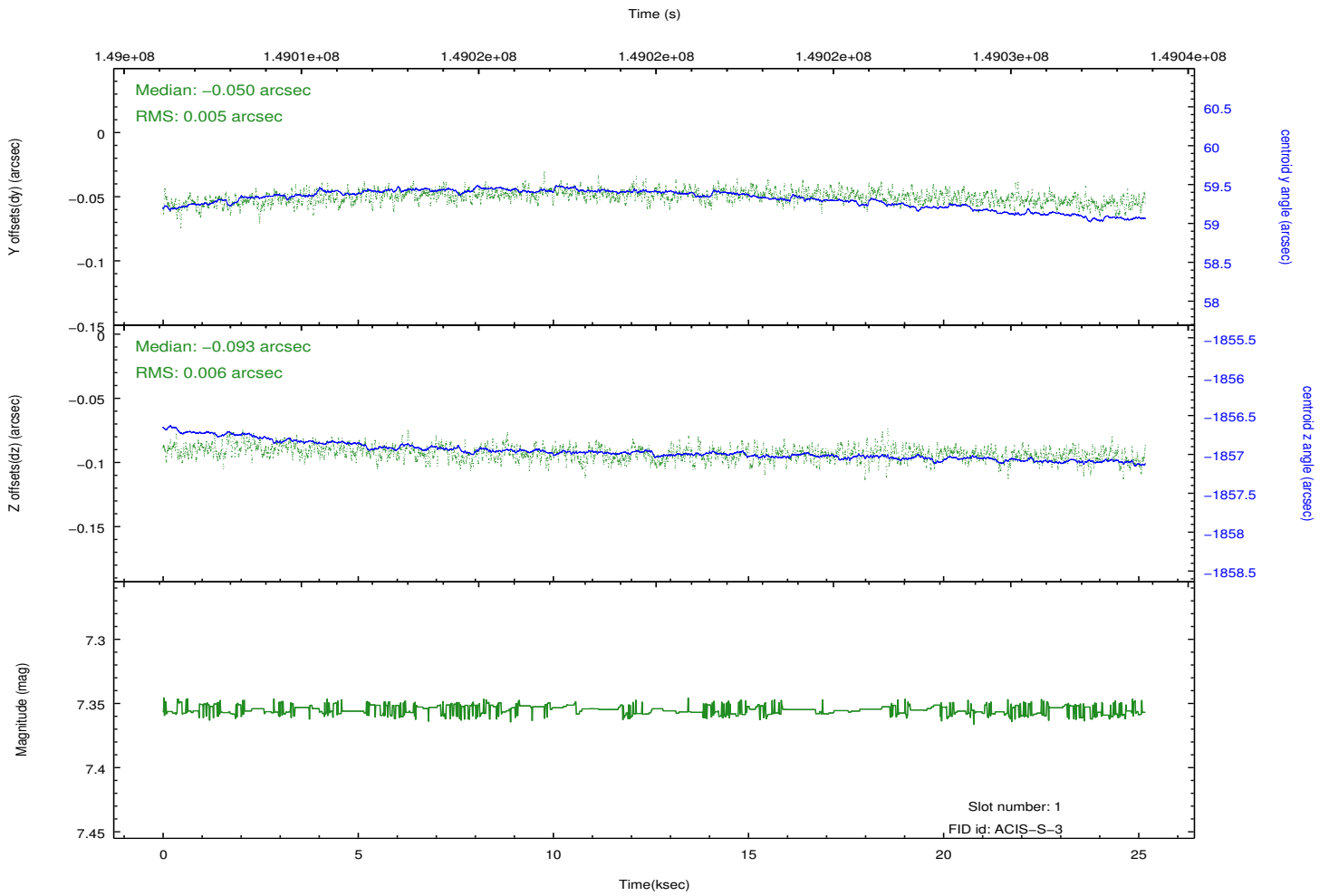
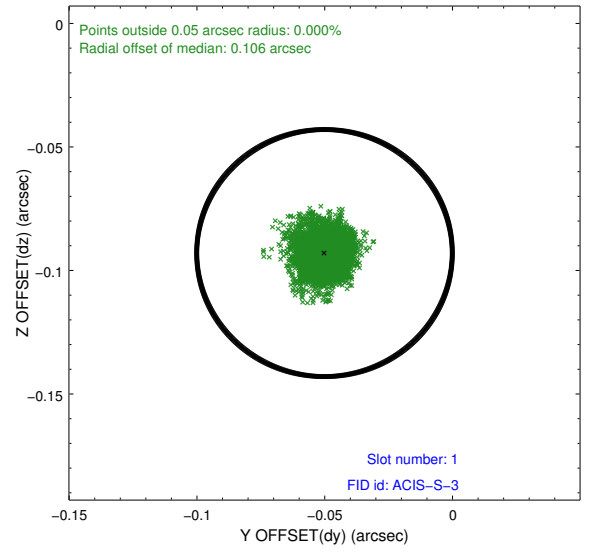
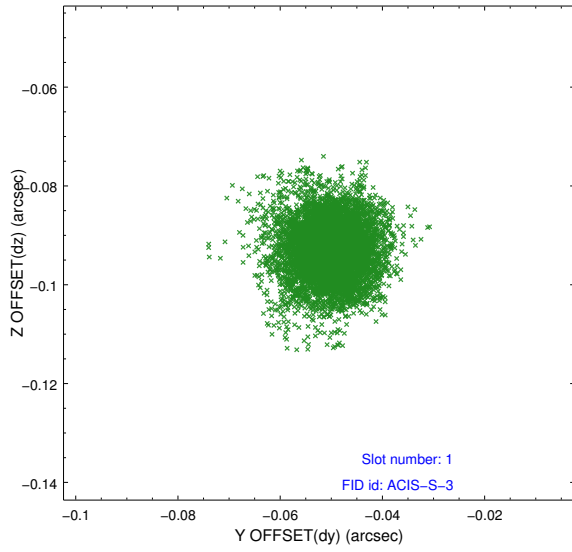


2.5 FID Slots

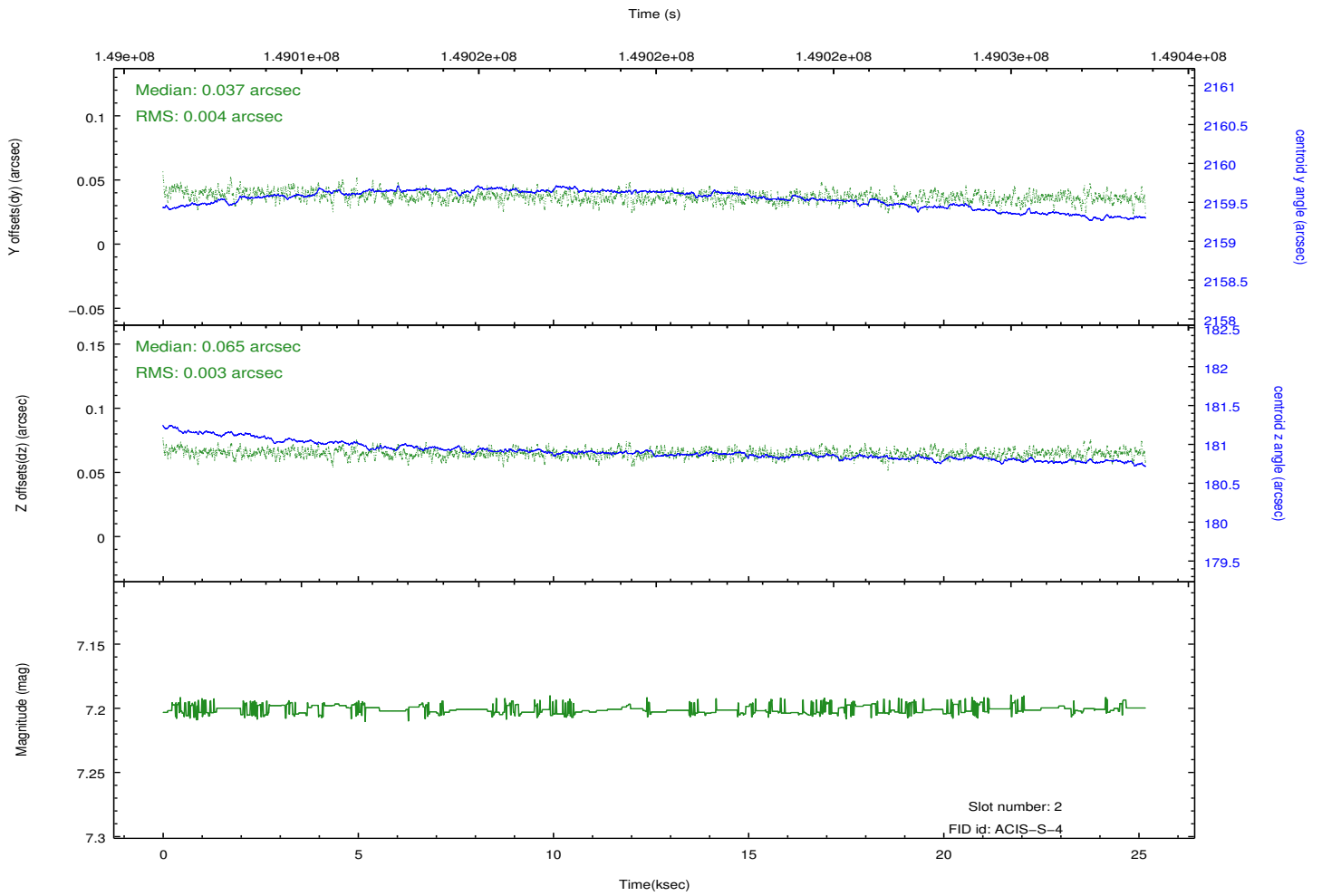
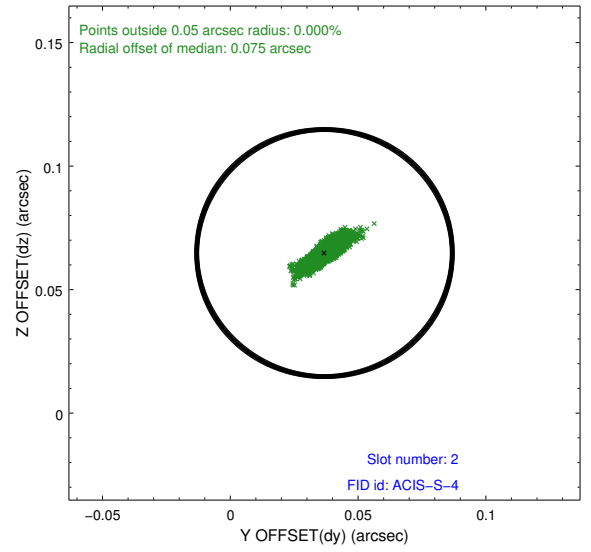
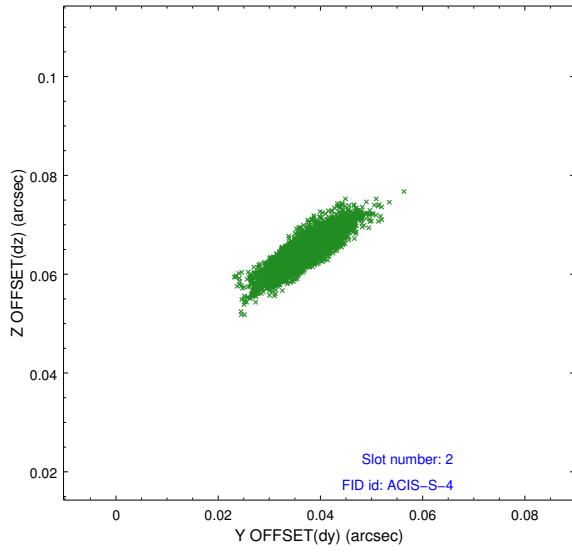
2.5.1 Slot 0



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)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.171

A.2 Comments