

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2518 - L2 Version 3
Chandra X-Ray Center

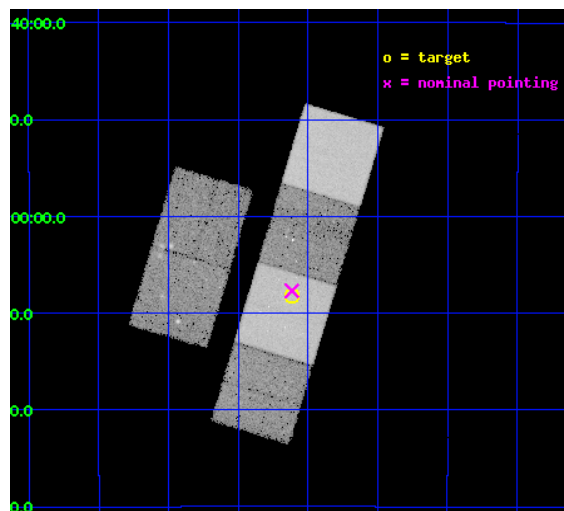
L2 Processing Date : Oct 12 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

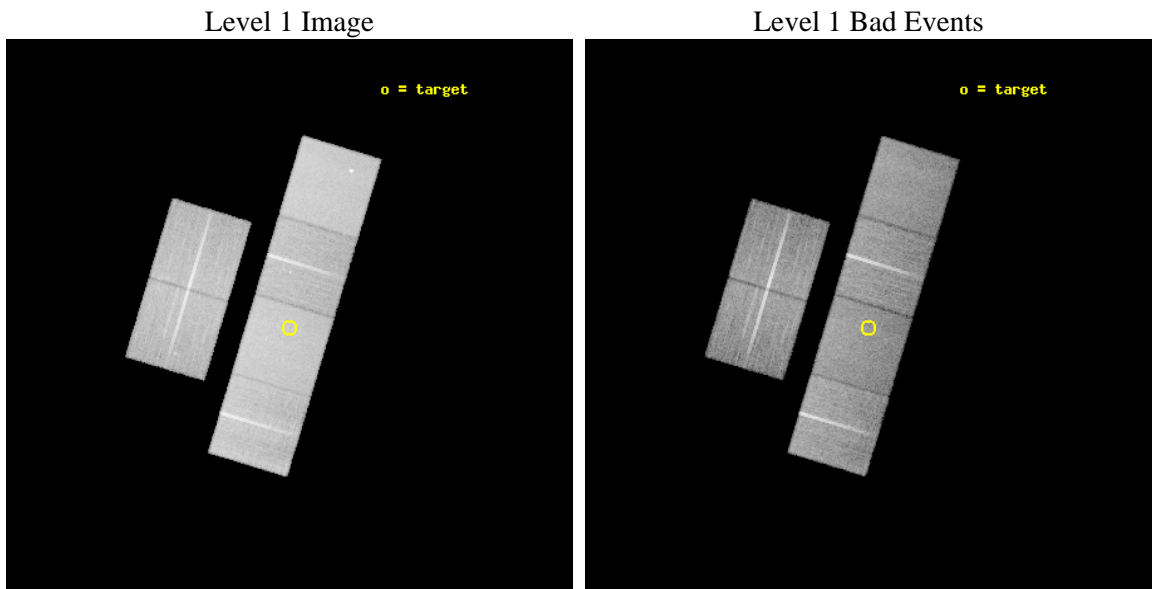
seq_num	100028	Sequence number
obs_id	2518	Observation id
title	SEARCH FOR X-RAYS FROM URANUS ALTERNATE TARGET	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	URANUS	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.779833	Observer's specified target RA [deg]
dec_targ	-13.137583	Observer's specified target Dec [deg]
ra_nom	329.77882618846	Nominal RA [deg]
dec_nom	-13.128421248386	Nominal Dec [deg]
roll_nom	106.73749477851	Nominal Roll [deg]
revision	3	Processing version of data
ontime	29961.599888384	Sum of GTIs [s]
livetime	29582.208069888	Livetime [s]
ontime2	29958.359027684	Sum of GTIs [s]
ontime3	29958.358918101	Sum of GTIs [s]
ontime5	29961.599888384	Sum of GTIs [s]
ontime6	29951.877037346	Sum of GTIs [s]
ontime7	29961.599888384	Sum of GTIs [s]
ontime8	29955.117947847	Sum of GTIs [s]
l2events	279364	Number of level 2 events



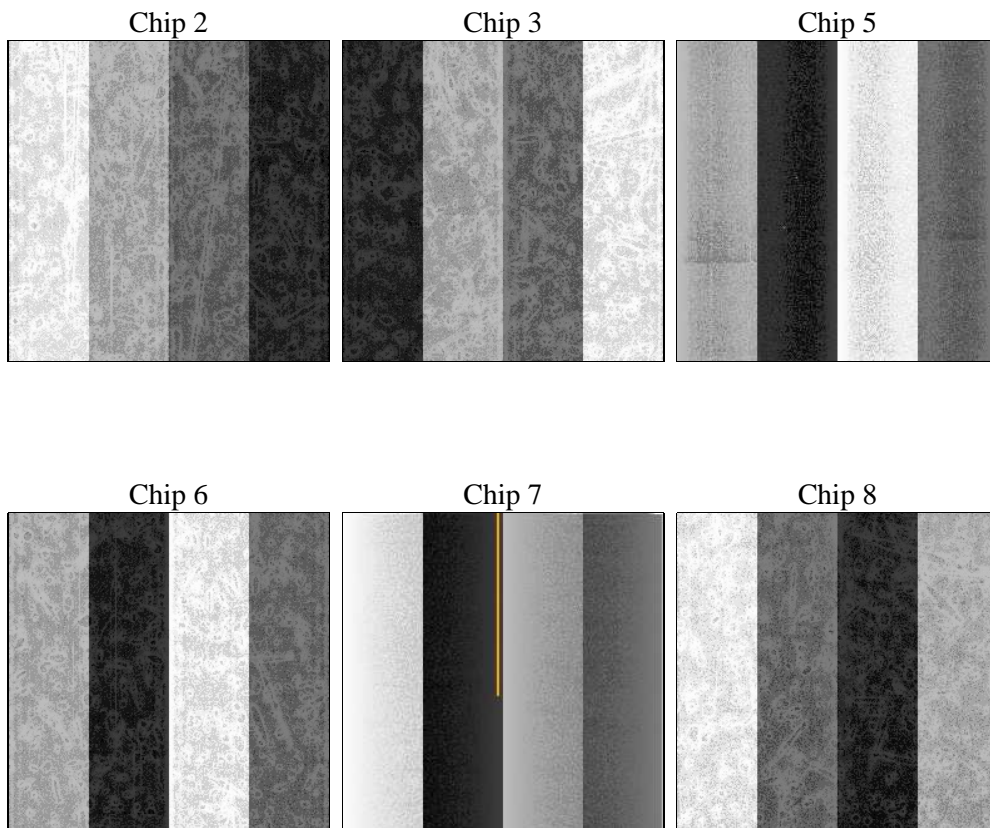
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29961.599888384	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	29958.359027684	Sum of GTIs [s]
date	2012-10-11T23:24:34	Date and time of file creation	ontime3	29958.358918101	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	29961.599888384	Sum of GTIs [s]
			ontime6	29951.877037346	Sum of GTIs [s]
			ontime7	29961.599888384	Sum of GTIs [s]
			ontime8	29955.117947847	Sum of GTIs [s]
			l1events	1236080	Number of level 1 events

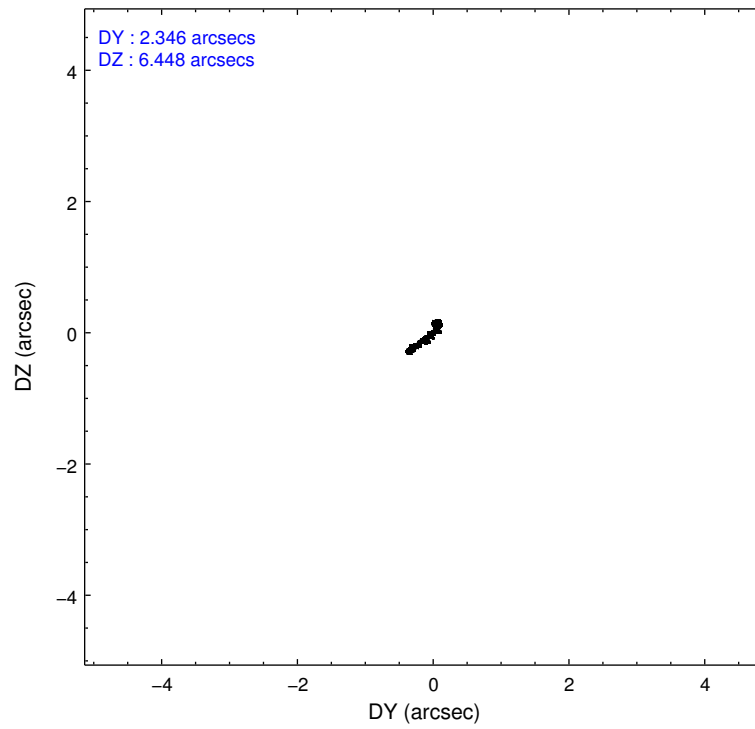
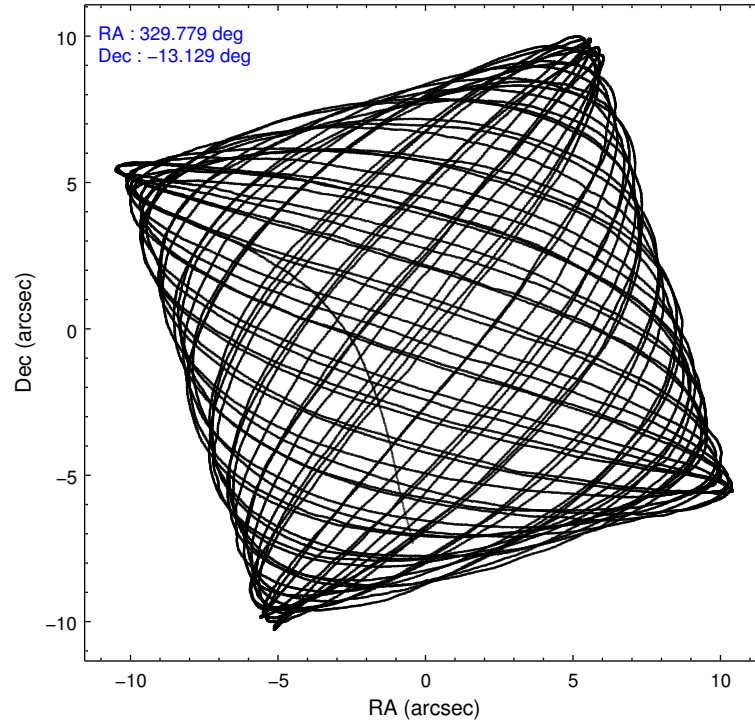
2.1.4 Events

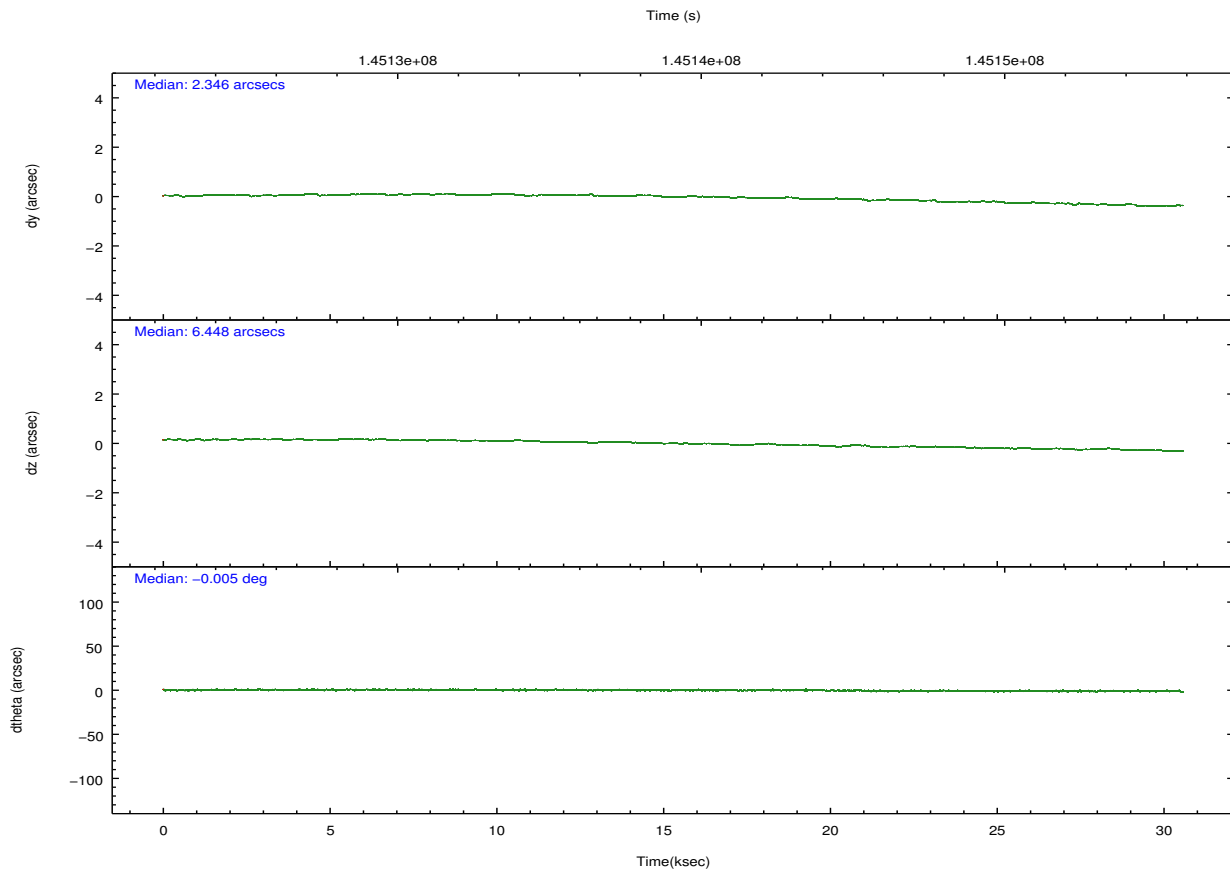
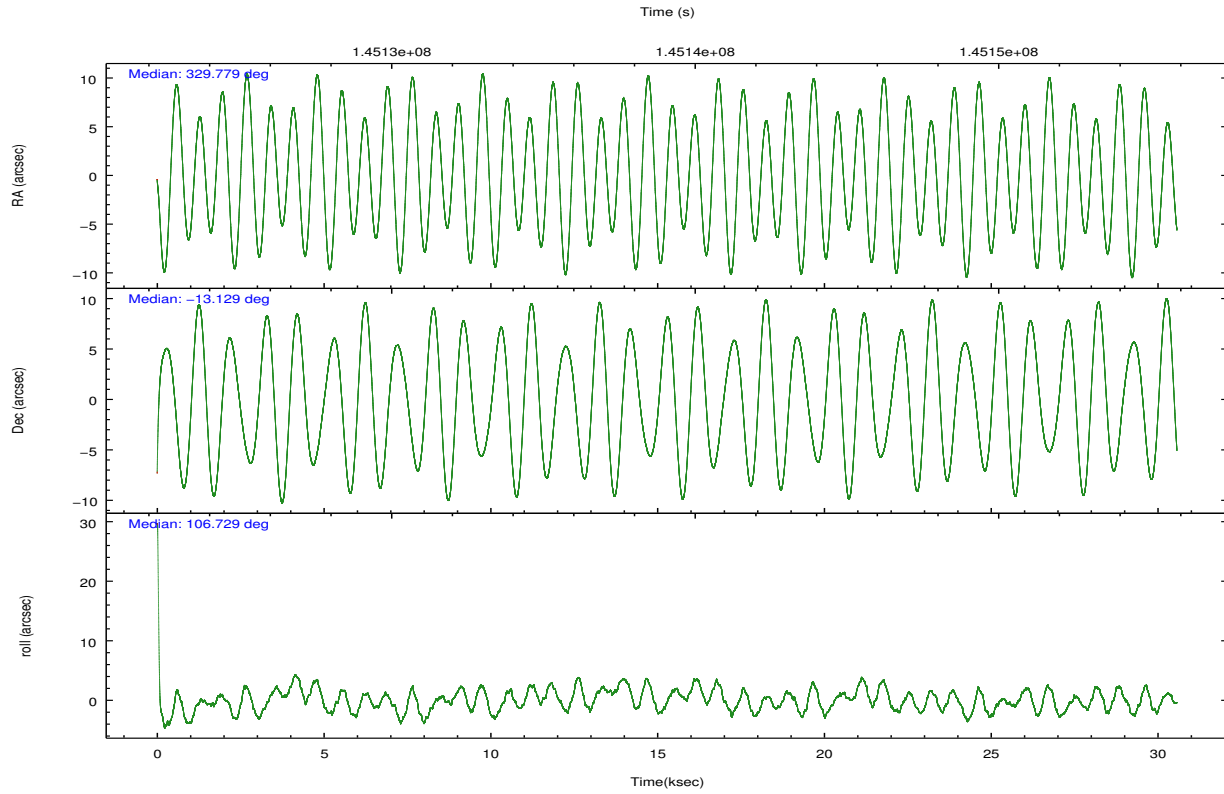
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	176582	175301	250203	177505	234706	221783	grade 0 events	9372	9677	7850	8967	9438	14801
rejected events	155758	154209	138670	156017	137292	176112		5%	5%	3%	5%	4%	6%
rejected %	88%	87%	55%	87%	58%	79%	grade 1 events	116	100	308	78	201	144
								0%	0%	0%	0%	0%	0%
							grade 2 events	4165	3824	32934	4298	19187	9572
								2%	2%	13%	2%	8%	4%
							grade 3 events	1993	2002	5904	2115	8855	5130
								1%	1%	2%	1%	3%	2%
							grade 4 events	1959	2080	4546	2062	8784	4615
								1%	1%	1%	1%	3%	2%
							grade 5 events	6888	7269	18734	7722	22567	10135
								3%	4%	7%	4%	9%	4%
							grade 6 events	3338	3513	60310	4047	51160	11581
								1%	2%	24%	2%	21%	5%
							grade 7 events	148751	146836	119617	148216	114514	165805
								84%	83%	47%	83%	48%	74%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	329.799458	329.7788261884637	Subarray requested	NONE	NONE
[deg] Pointing Dec	-13.146848	-13.12842124838632	Alternating exposures requested	N	N
[deg] Pointing Roll	106.585546	106.7374947785148	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	144547264.184000	144547264.184000			
[s] Window stop time (MET)	147052864.184000	147052864.184000			
[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)	145124358.184000	145123205.53019			
Observation start date	2002-08-07T16:18:14	2002-08-07T16:00:05			
[s] Observation end time (MET)	145154358.184000	145155022.04399			
Observation end date	2002-08-08T00:38:14	2002-08-08T00:50:22			
Read mode	TIMED	TIMED			

2.3 Aspect



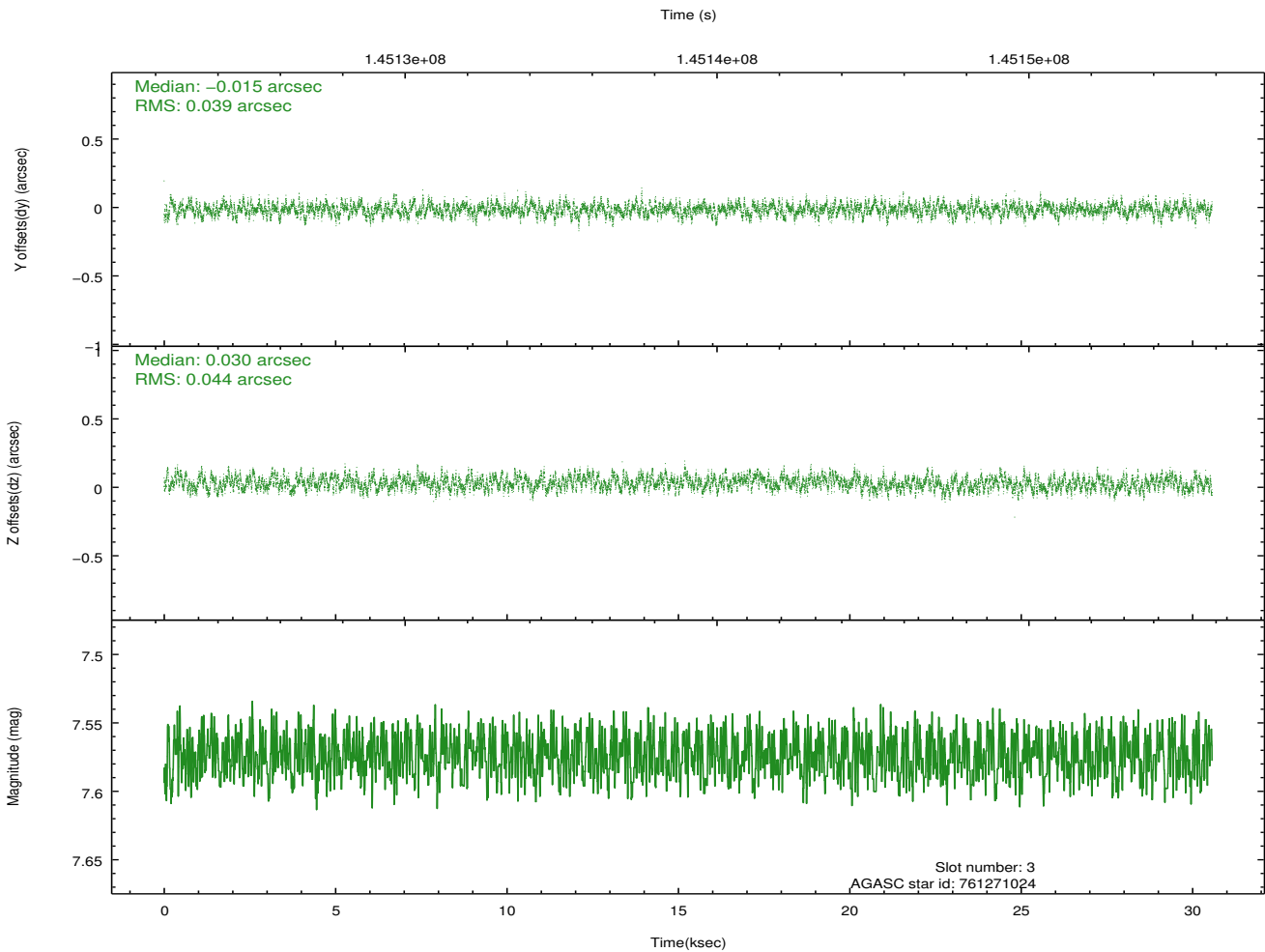
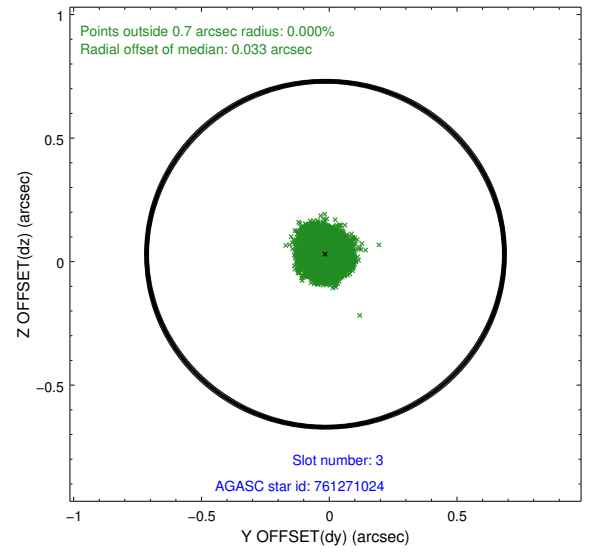
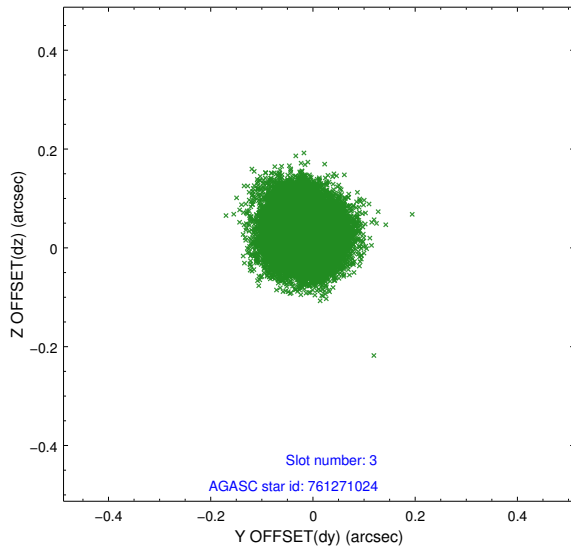


Slot Statistics

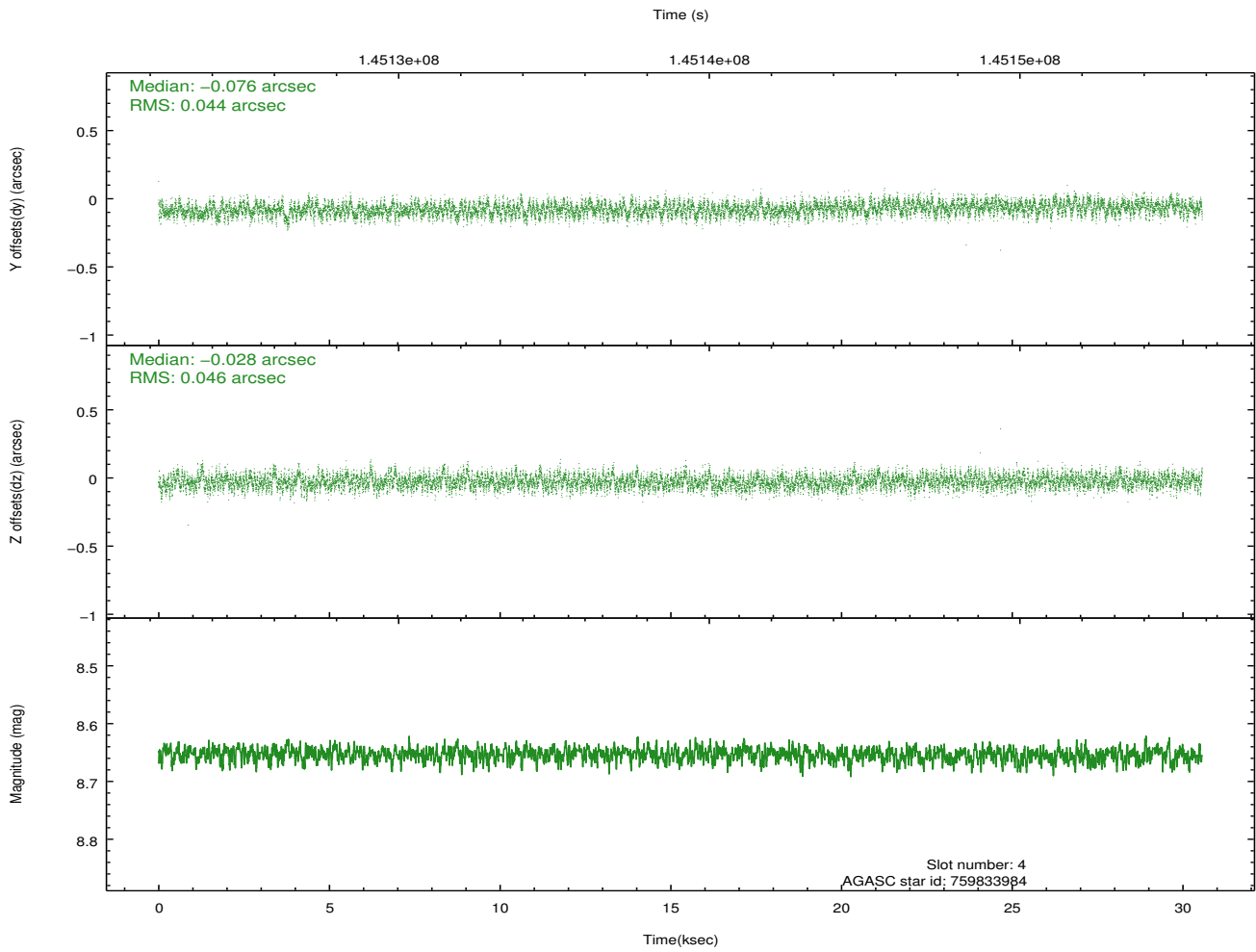
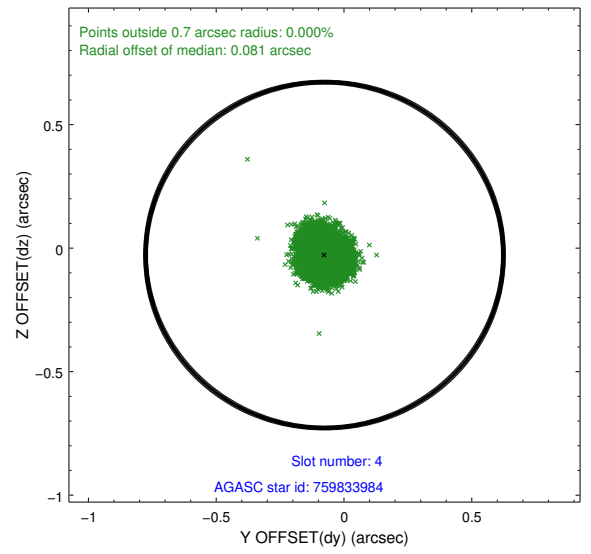
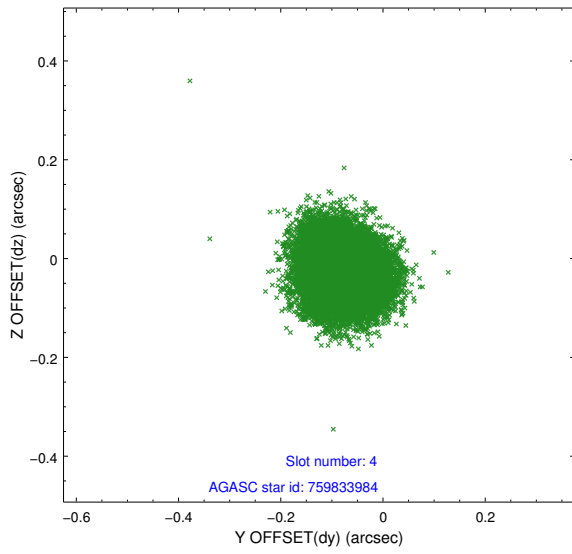
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7457	-0.034	0.012	0.018	0.029	0.000000	0.000000	-754.92	-1727.58
1	FID	ACIS-S-4	7.20	7456	-0.025	0.012	0.023	0.038	0.000000	0.000000	2158.32	180.88
2	FID	ACIS-S-5	7.24	7457	0.024	-0.016	0.009	0.016	0.000000	0.000000	-1807.64	174.54
3	GUIDE	761271024	7.57	14914	-0.015	0.030	0.064	0.100	330.271118	-13.027492	-60.61	-1706.47
4	GUIDE	759833984	8.65	14906	-0.076	-0.028	0.069	0.108	329.260351	-12.979980	1114.65	1642.63
5	GUIDE	760355384	8.79	14911	0.018	-0.090	0.083	0.131	329.228022	-13.349253	-128.08	2127.96
6	GUIDE	761269352	8.97	14908	0.035	0.094	0.070	0.115	330.321009	-13.126973	-453.62	-1771.14
7	GUIDE	761269424	9.15	14911	0.032	-0.011	0.110	0.178	329.470230	-13.894327	-2250.46	1871.77

2.4 Star Slots

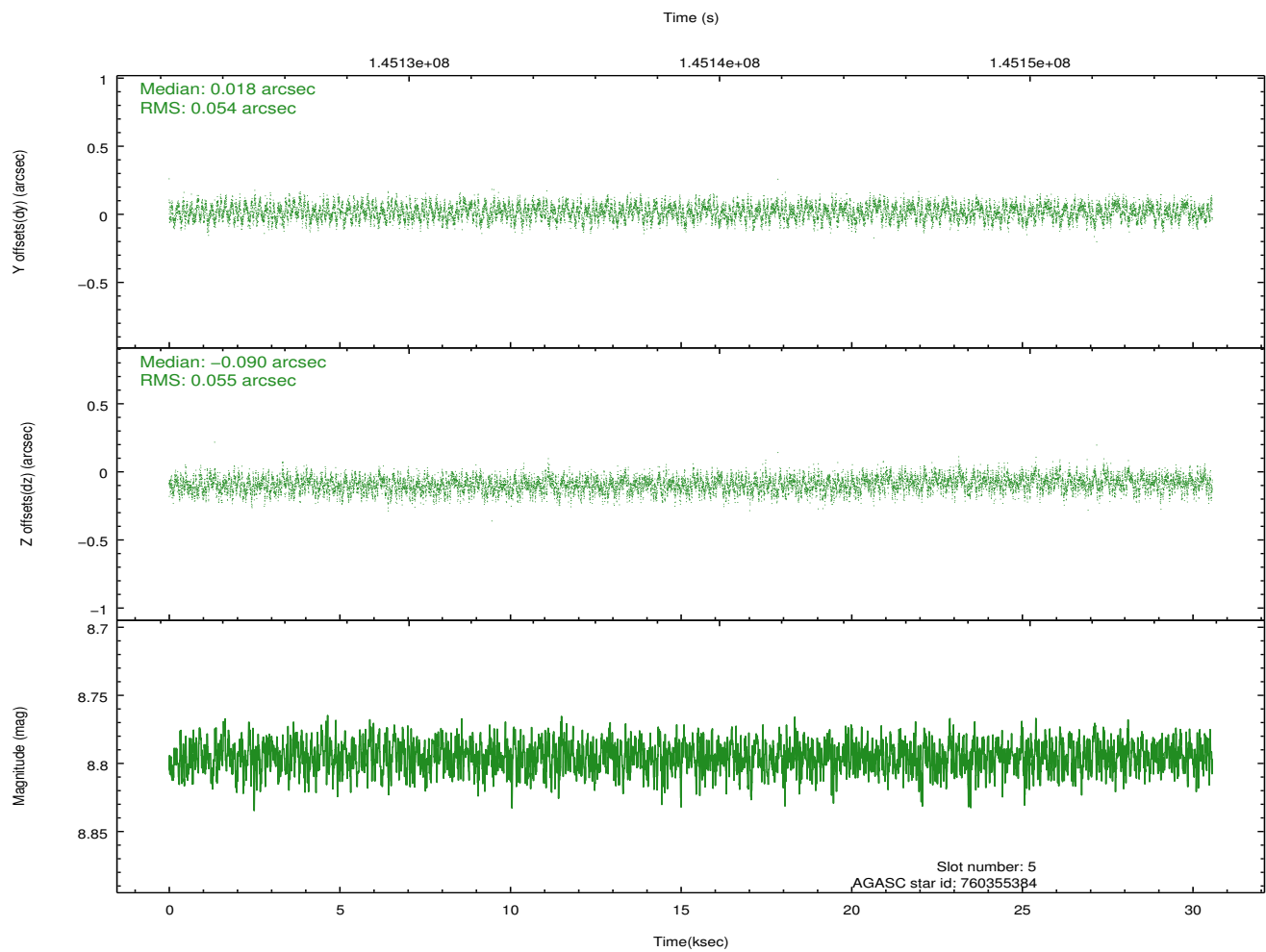
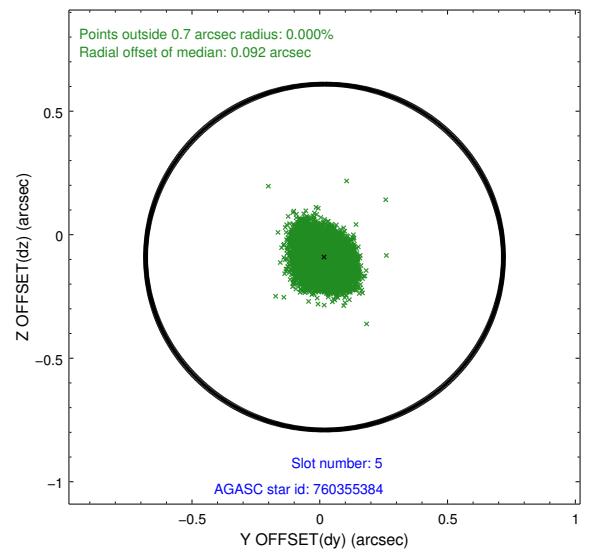
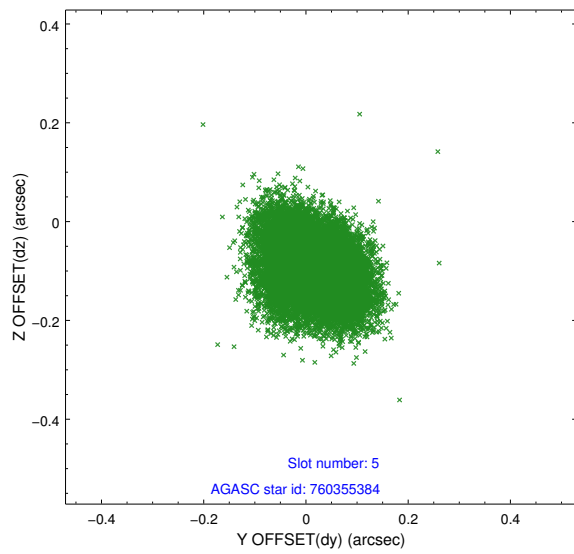
2.4.1 Slot 3



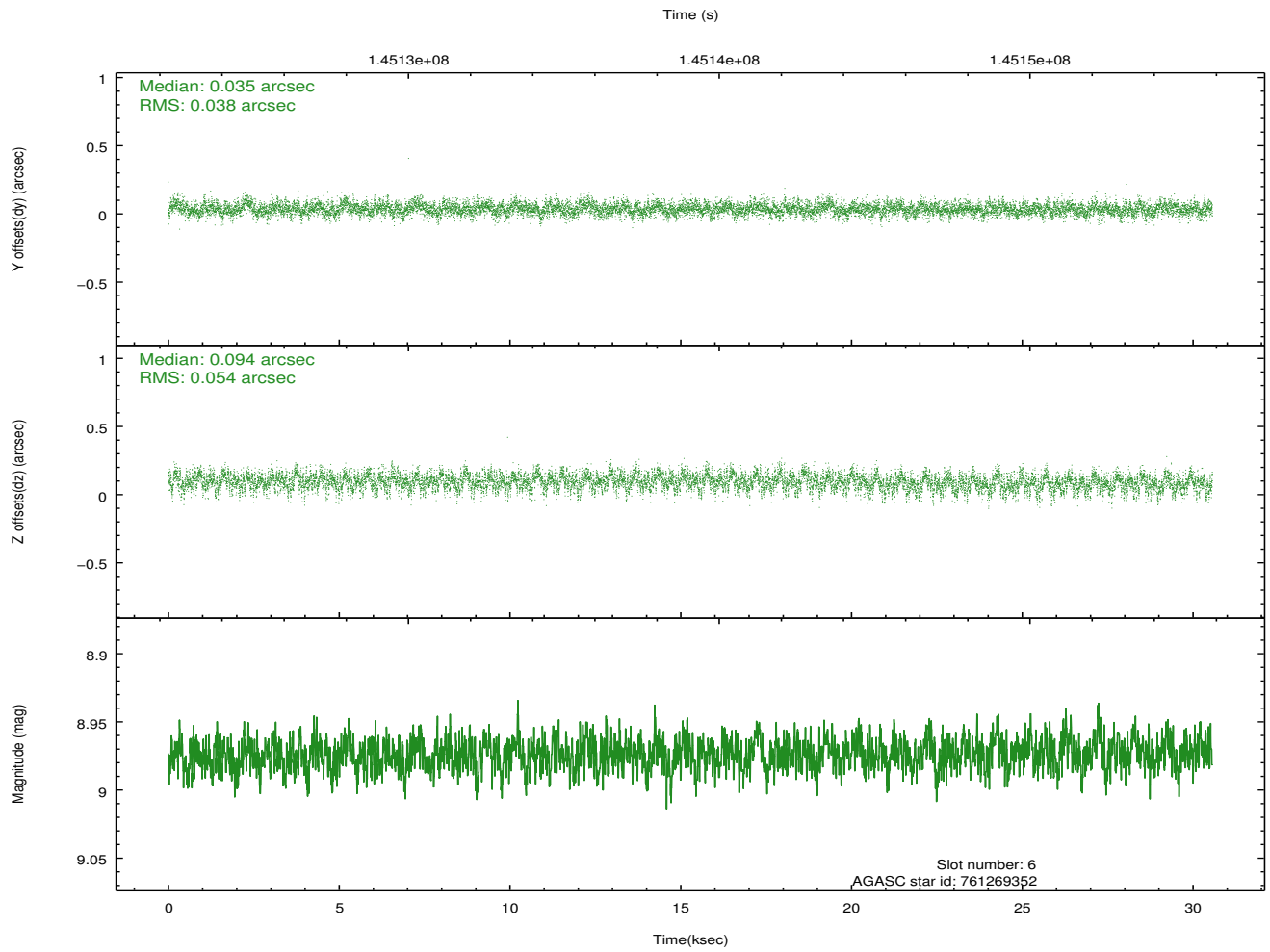
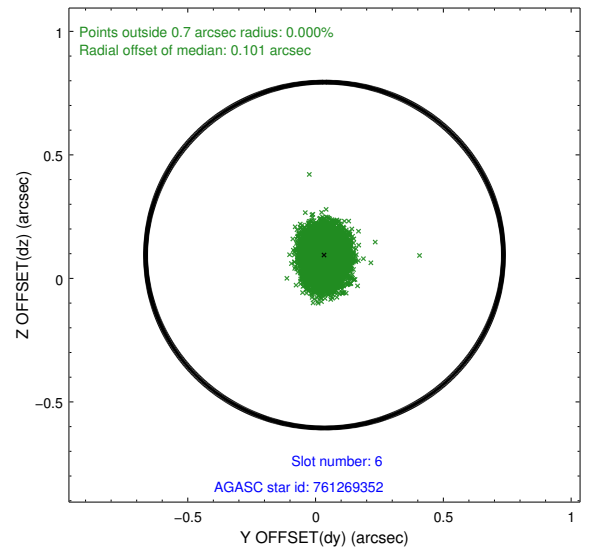
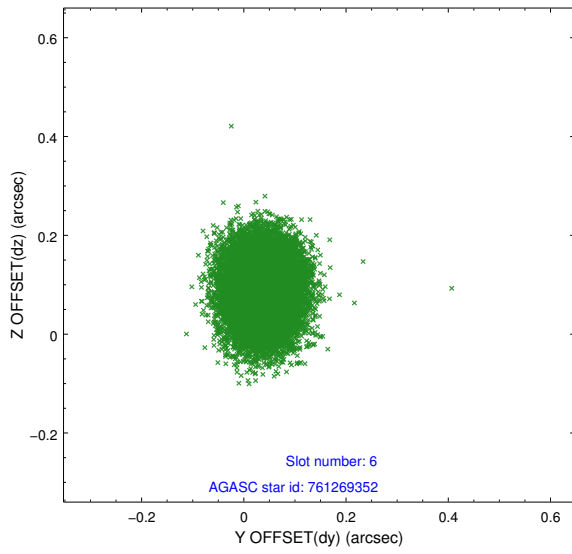
2.4.2 Slot 4



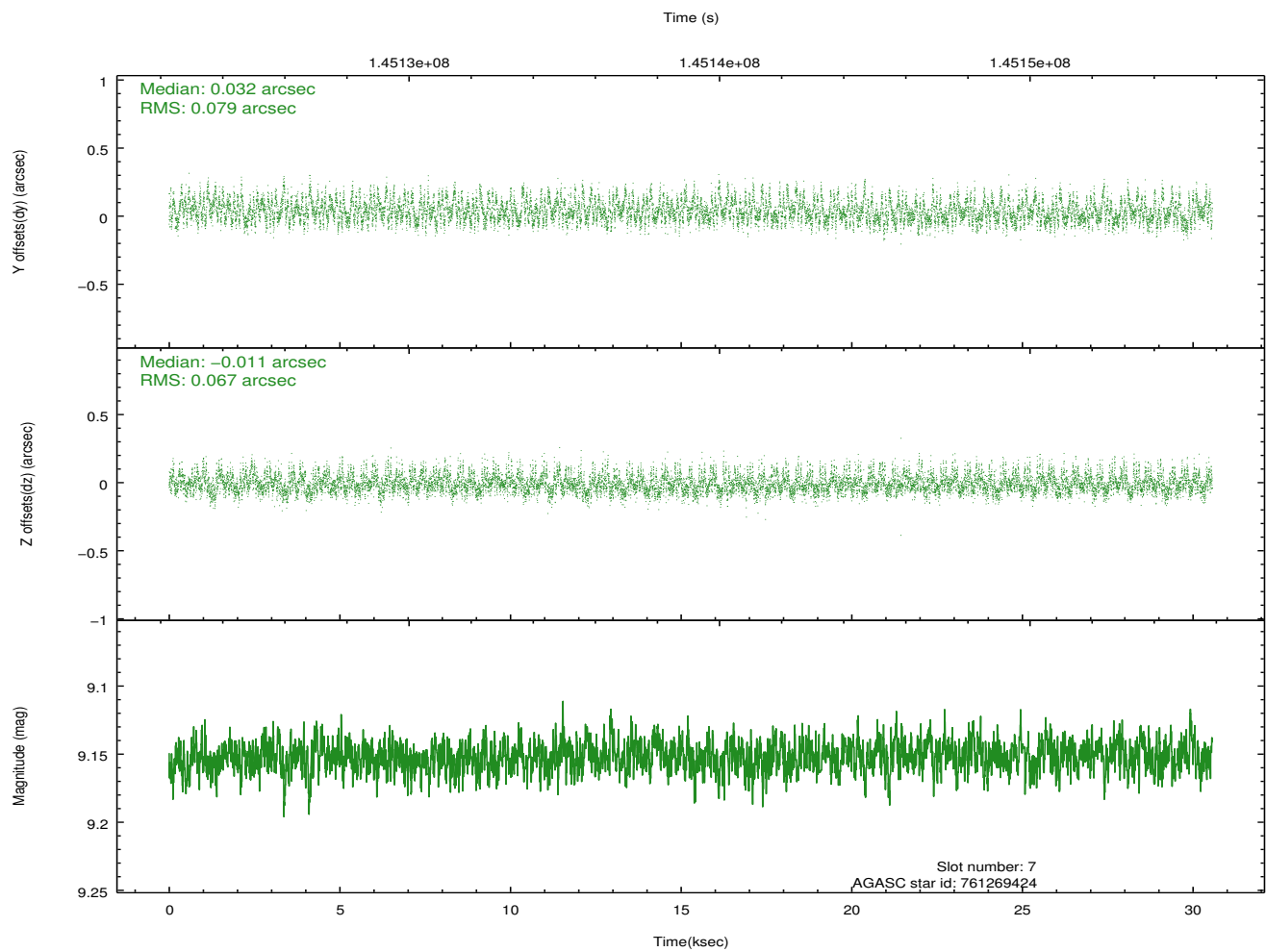
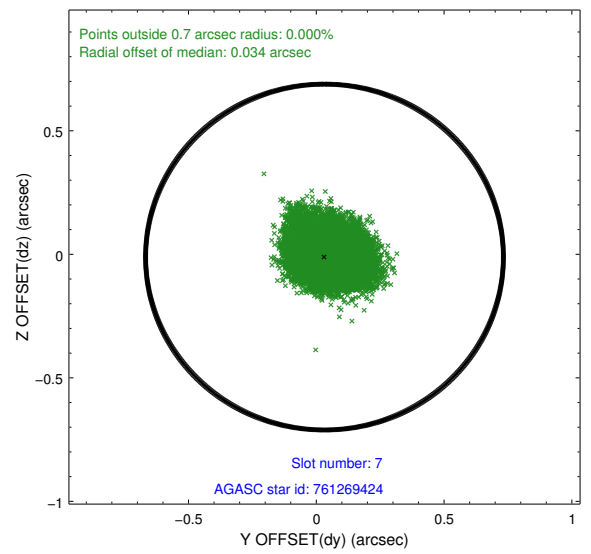
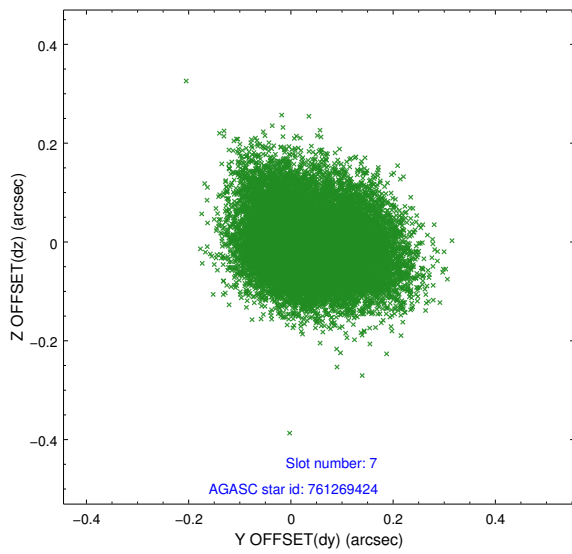
2.4.3 Slot 5



2.4.4 Slot 6

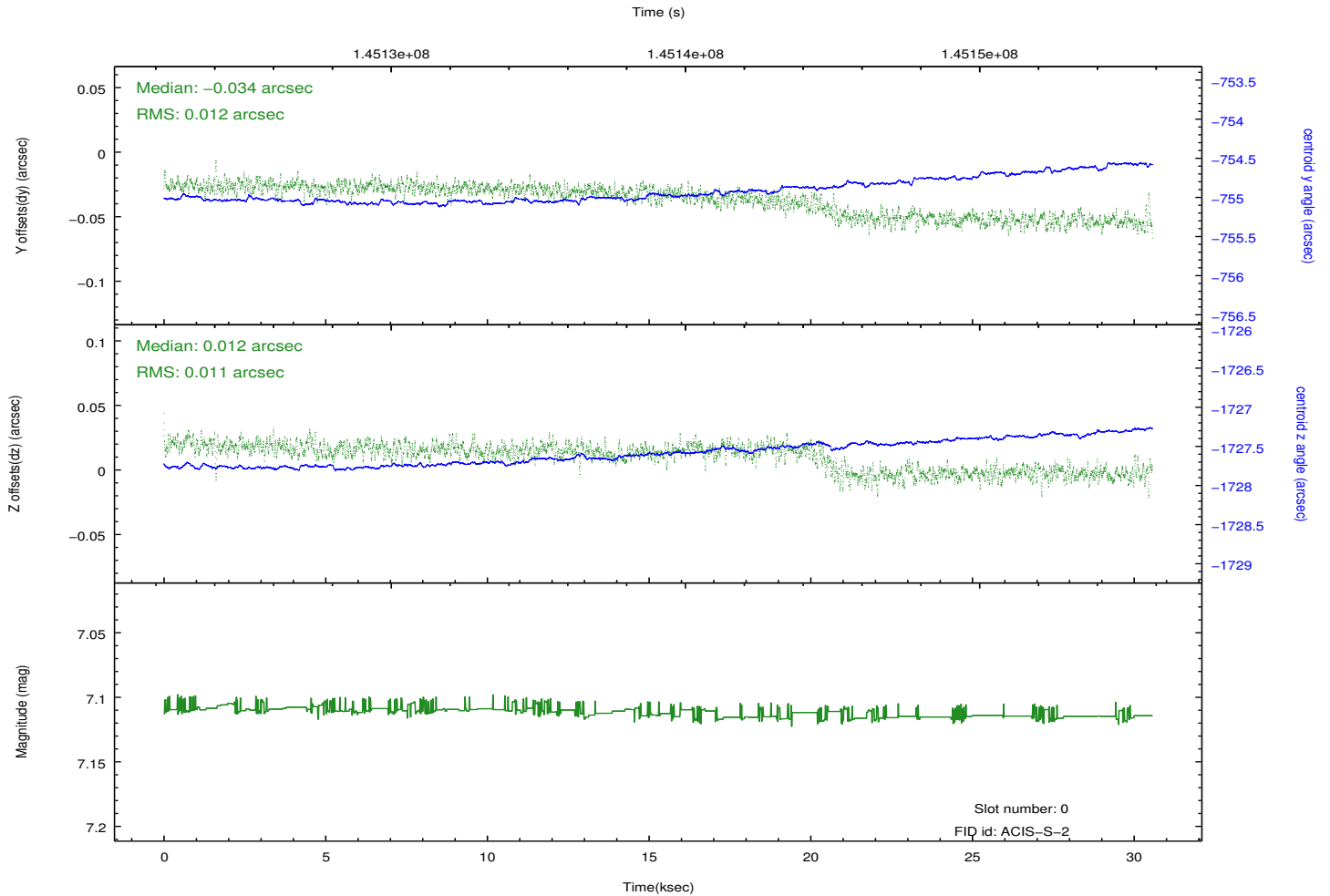
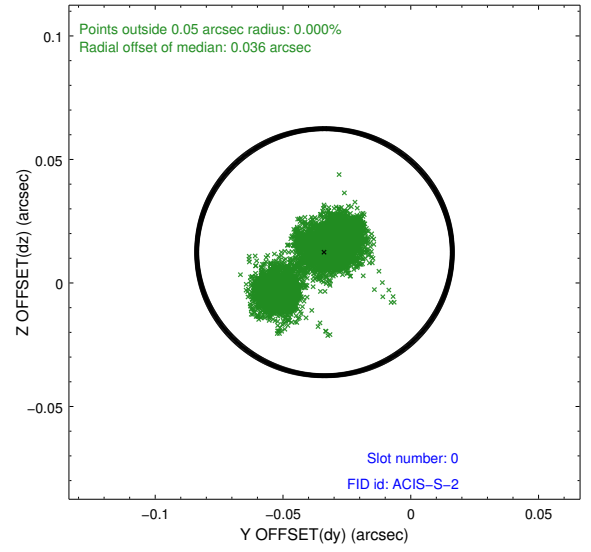
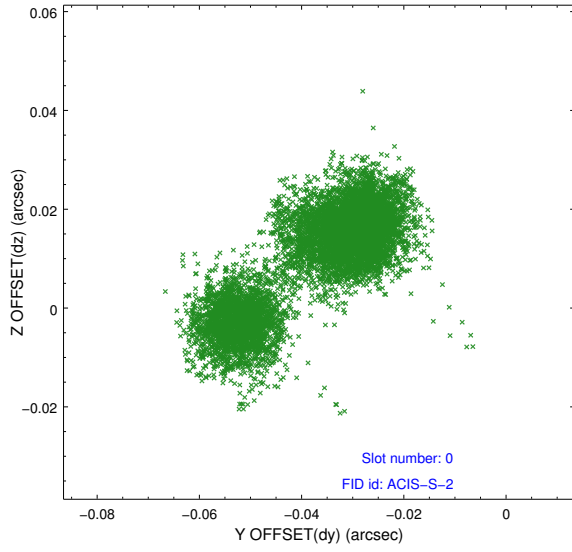


2.4.5 Slot 7

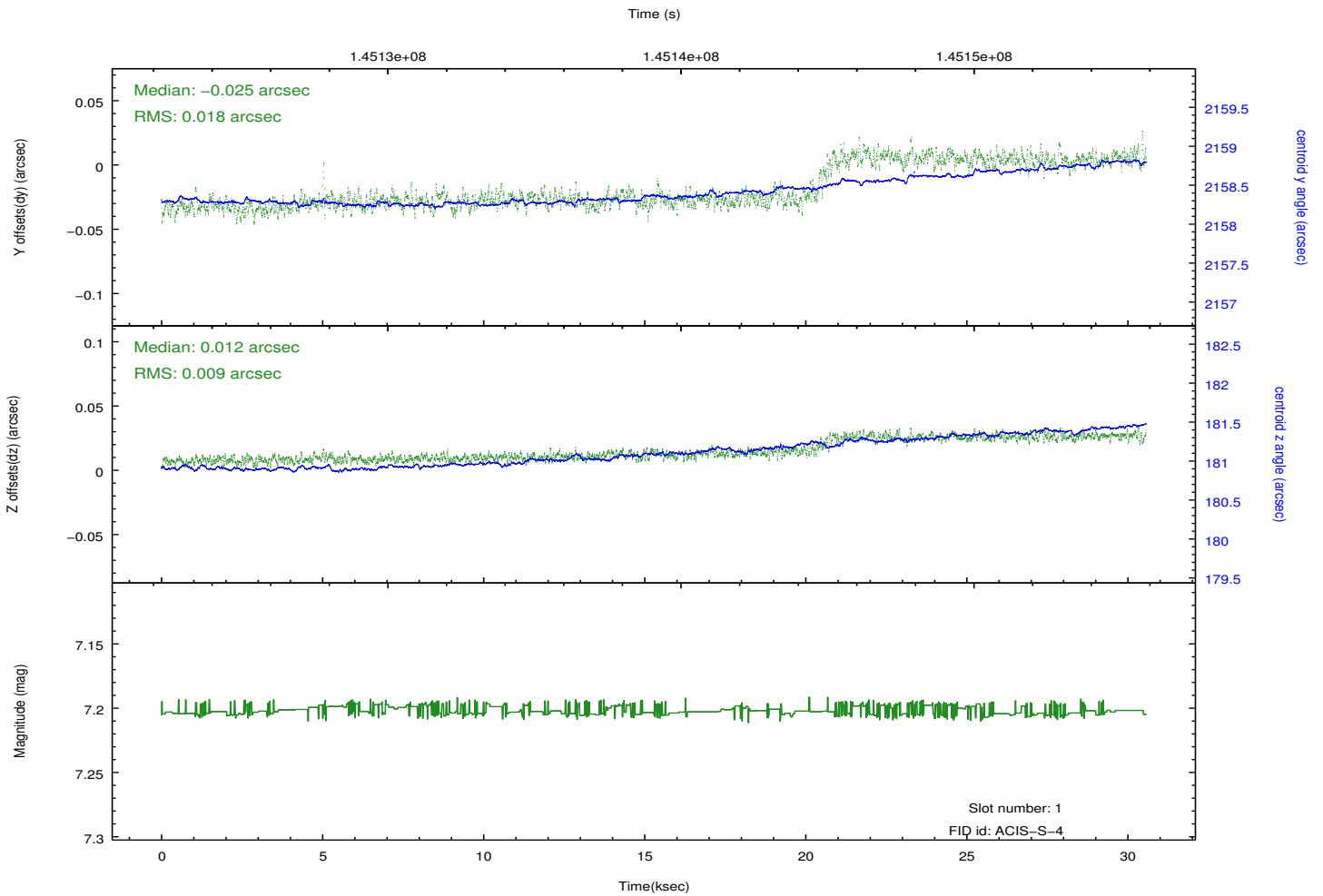
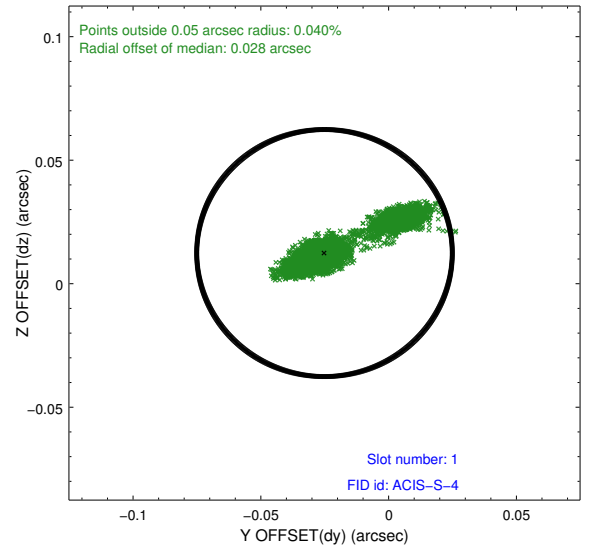
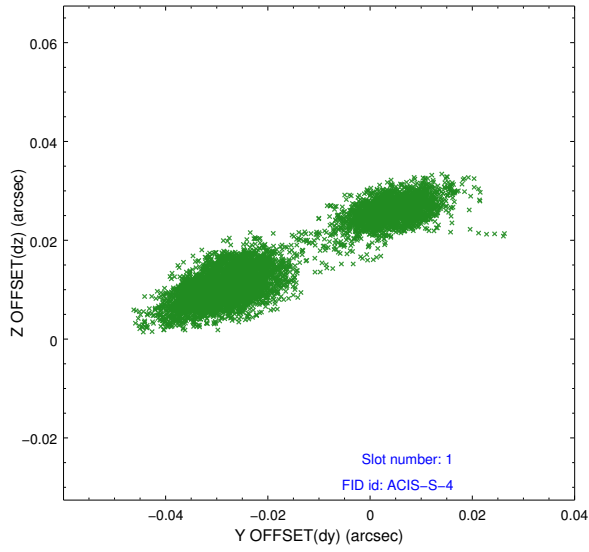


2.5 FID Slots

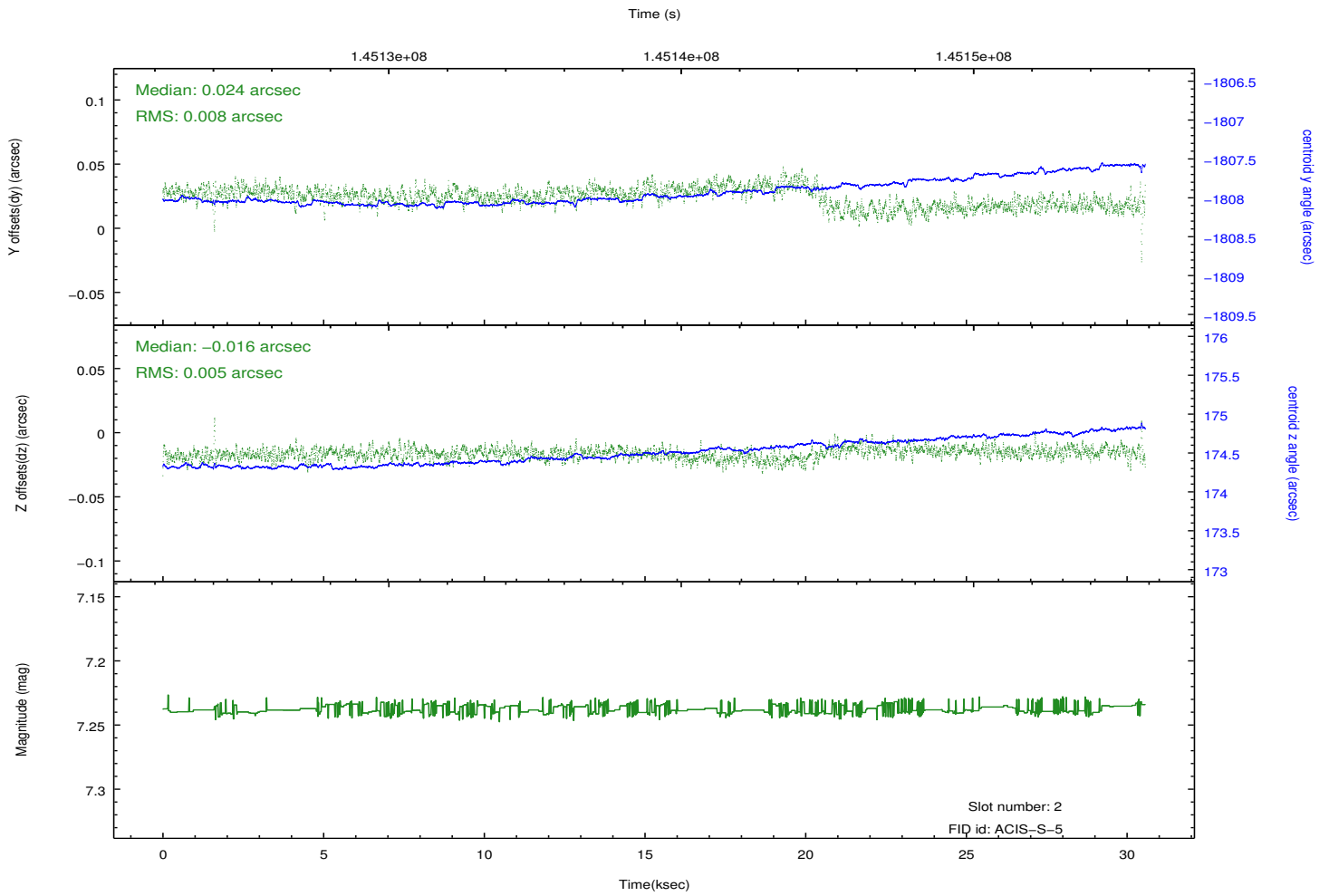
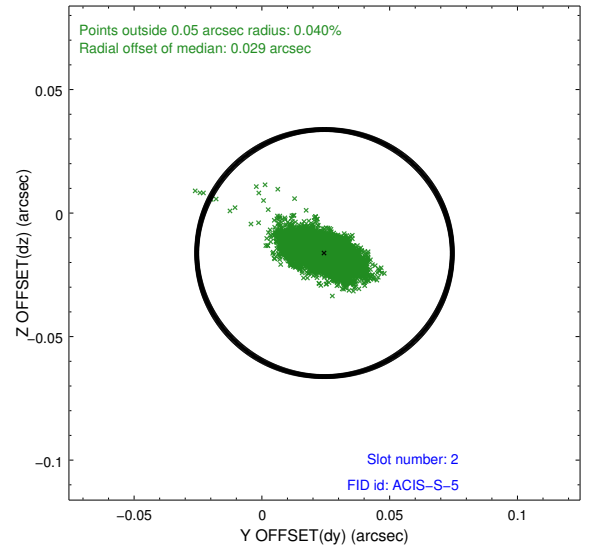
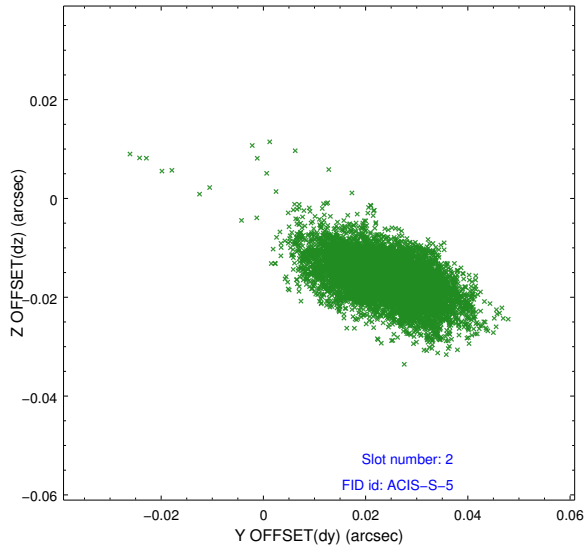
2.5.1 Slot 0



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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.964

A.2 Comments

Window constraint met.