

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12724 - L2 Version 2
Chandra X-Ray Center

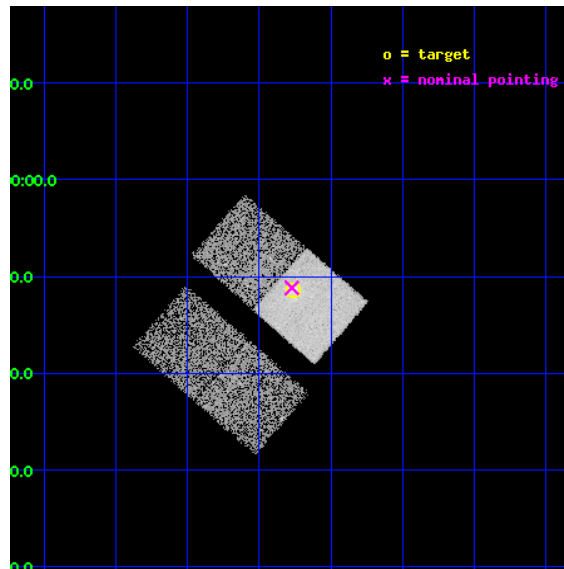
L2 Processing Date : Jul 5 2012

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

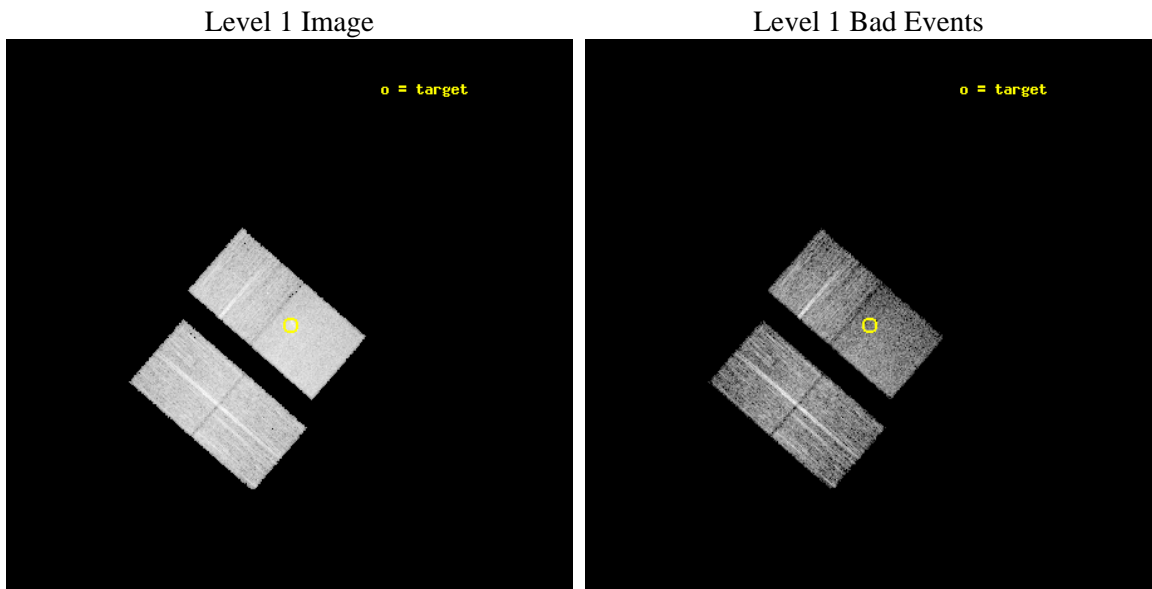
seq_num	702360	Sequence number
obs_id	12724	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 89	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.566667	Observer's specified target RA [deg]
dec_targ	-1.190833	Observer's specified target Dec [deg]
ra_nom	53.568096019999	Nominal RA [deg]
dec_nom	-1.1861422786277	Nominal Dec [deg]
roll_nom	41.023936997318	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8052.7152062654	Sum of GTIs [s]
livetime	7947.5005537729	Livetime [s]
ontime2	8052.5920862556	Sum of GTIs [s]
ontime3	8052.6331262589	Sum of GTIs [s]
ontime6	8049.5331659913	Sum of GTIs [s]
ontime7	8052.7152062654	Sum of GTIs [s]
l2events	50093	Number of level 2 events



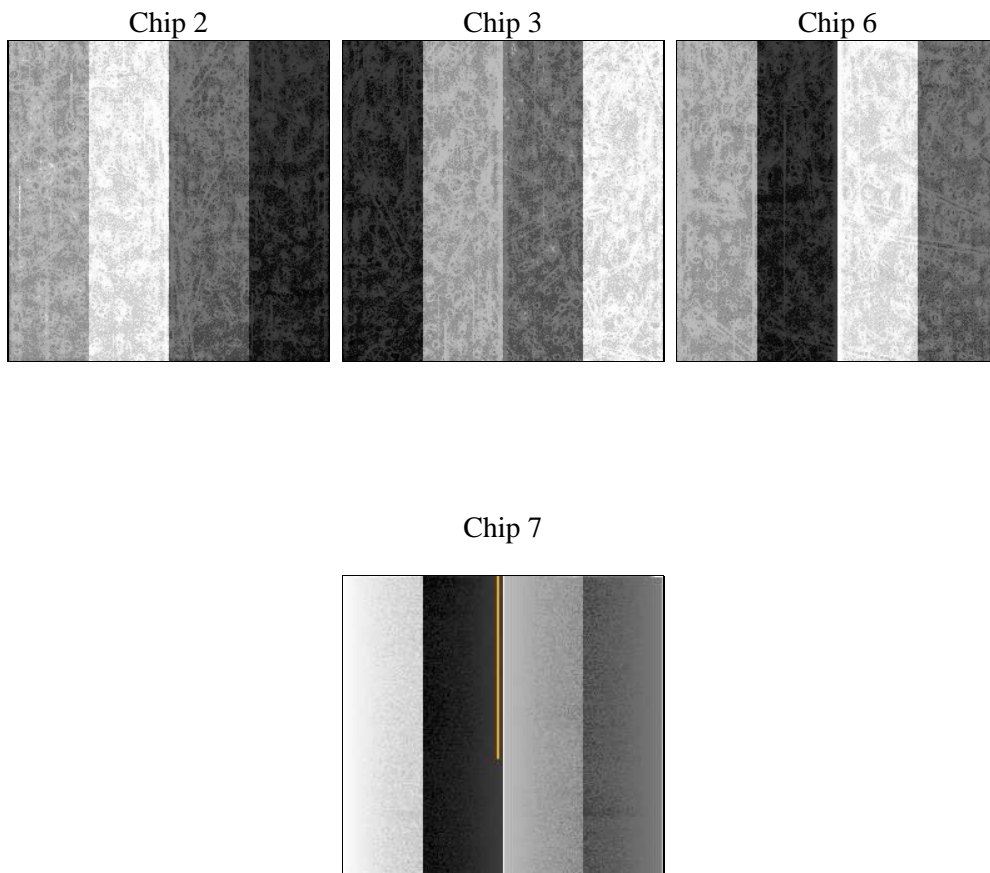
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8052.7152062654	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	8052.5920862556	Sum of GTIs [s]
date	2012-07-05T22:06:47	Date and time of file creation	ontime3	8052.6331262589	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8049.5331659913	Sum of GTIs [s]
			ontime7	8052.7152062654	Sum of GTIs [s]
			l1events	246043	Number of level 1 events

2.1.4 Events

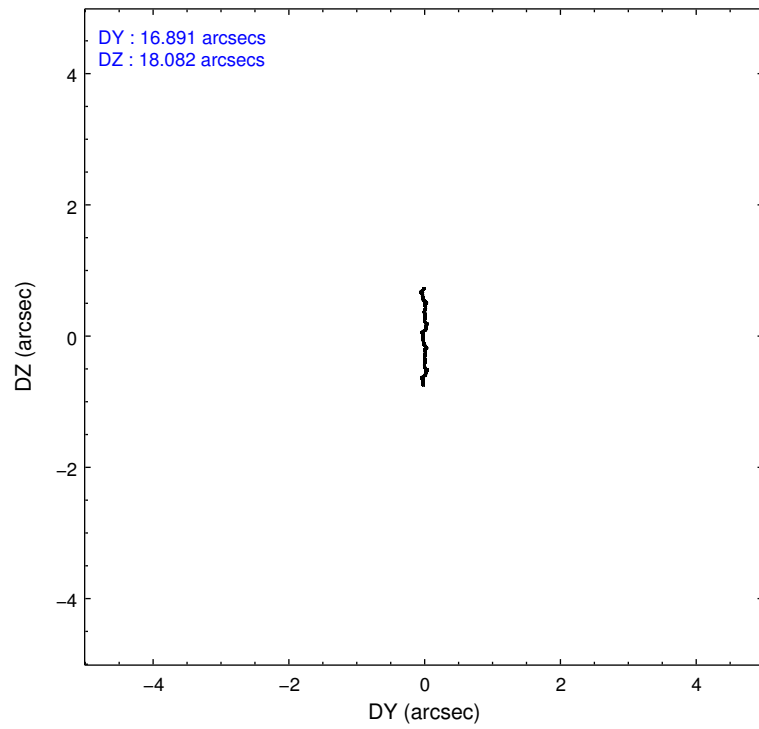
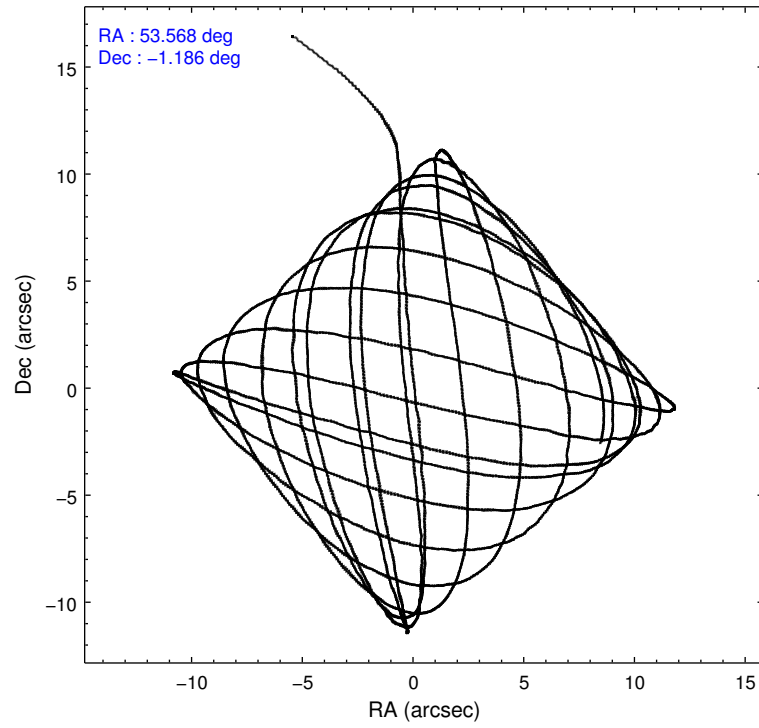
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	58856	56601	57577	73009
rejected events	52753	50530	50430	38619
rejected %	89%	89%	87%	52%

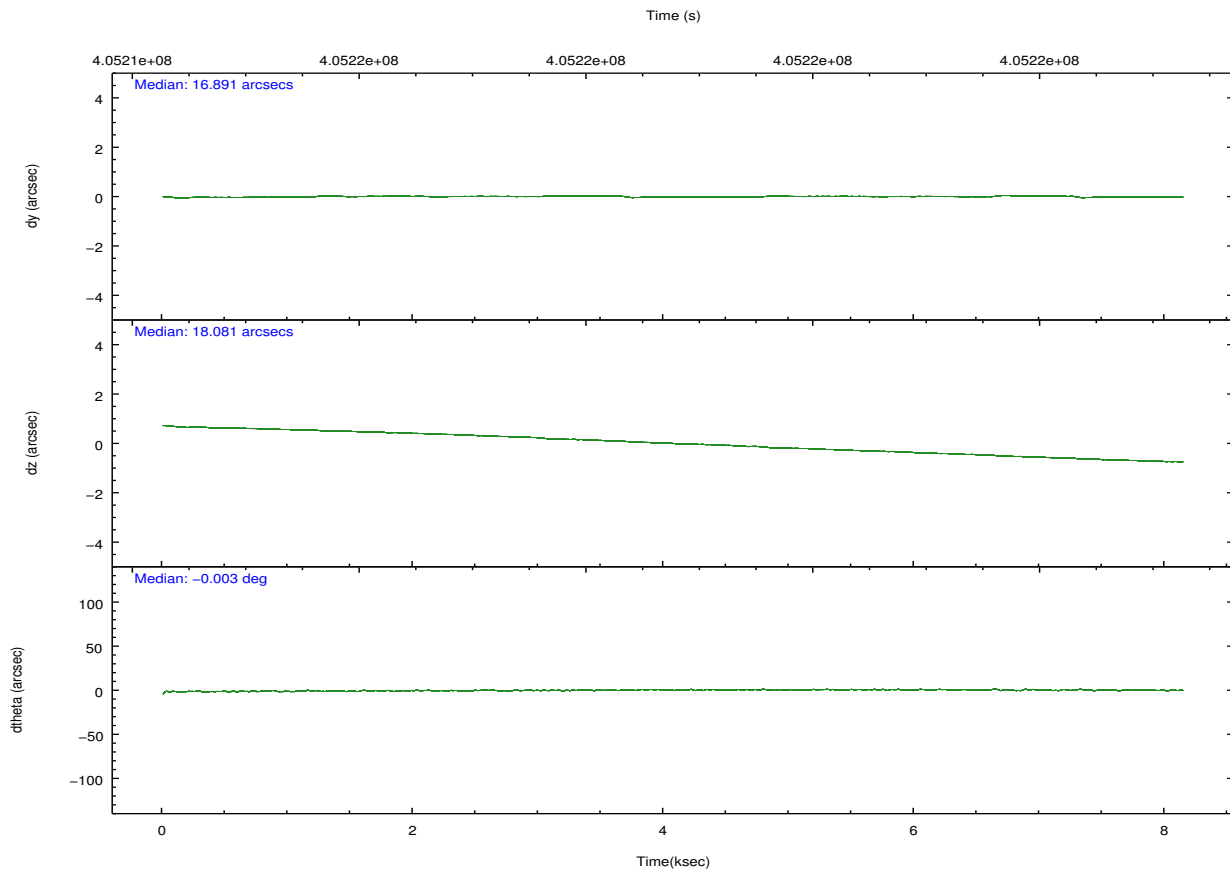
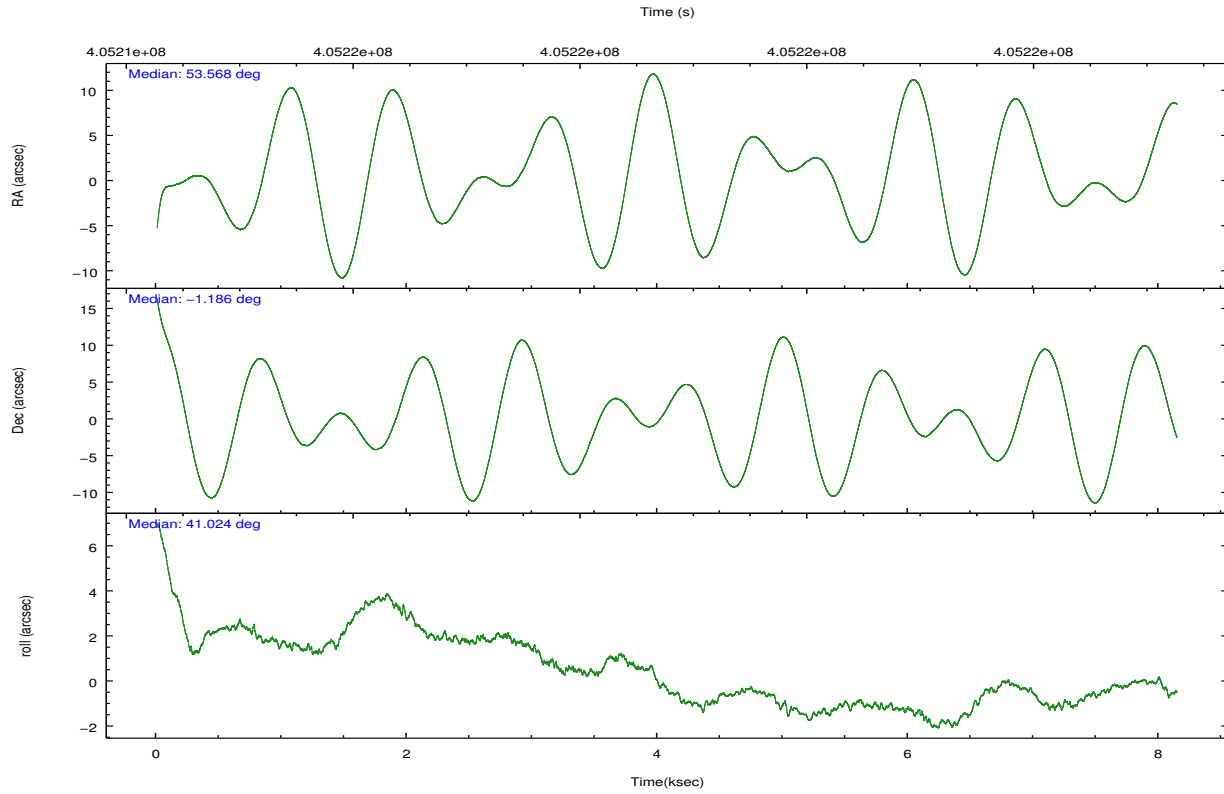
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2122	2172	2763	3587
	3%	3%	4%	4%
grade 1 events	31	38	34	93
	0%	0%	0%	0%
grade 2 events	1518	1330	1579	7262
	2%	2%	2%	9%
grade 3 events	642	677	713	2959
	1%	1%	1%	4%
grade 4 events	687	704	660	2979
	1%	1%	1%	4%
grade 5 events	2318	2574	2663	7296
	3%	4%	4%	9%
grade 6 events	1136	1190	1436	17614
	1%	2%	2%	24%
grade 7 events	50402	47916	47729	31219
	85%	84%	82%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	53.559570	53.56809601999946	CCD I2 on	O1	Y
[deg] Pointing Dec	-1.212180	-1.18614227862772	CCD I3 on	O2	Y
[deg] Pointing Roll	40.867128	41.02393699731829	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	405214841.184000	405213556.78907	CCD S5 on	N	N
Observation start date	2010-11-03T23:39:35	2010-11-03T23:19:16	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	405222841.184000	405223846.2521	On-chip summing requested	N	N
Observation end date	2010-11-04T01:52:55	2010-11-04T02:10:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





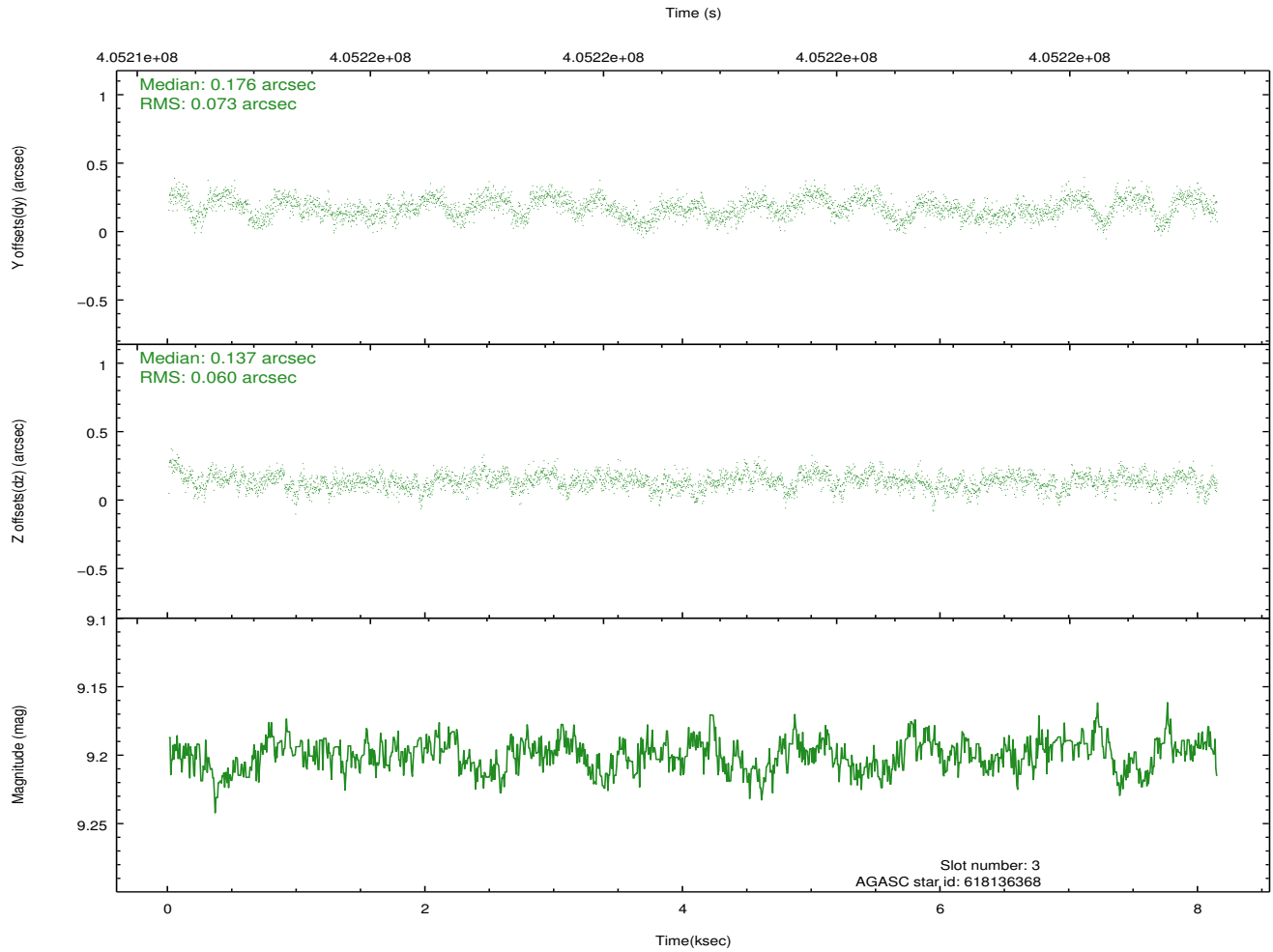
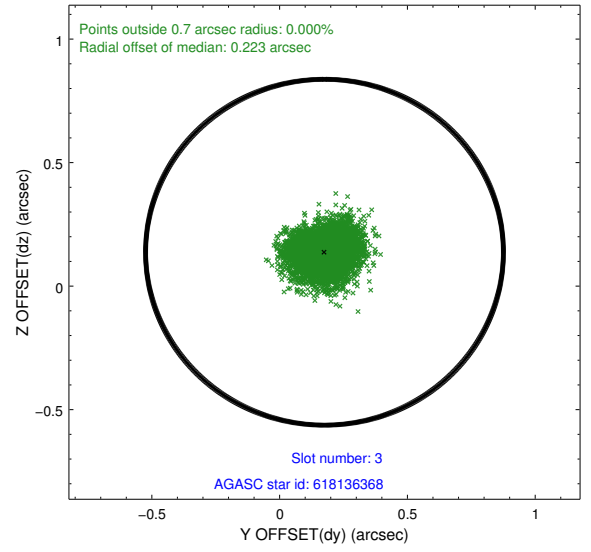
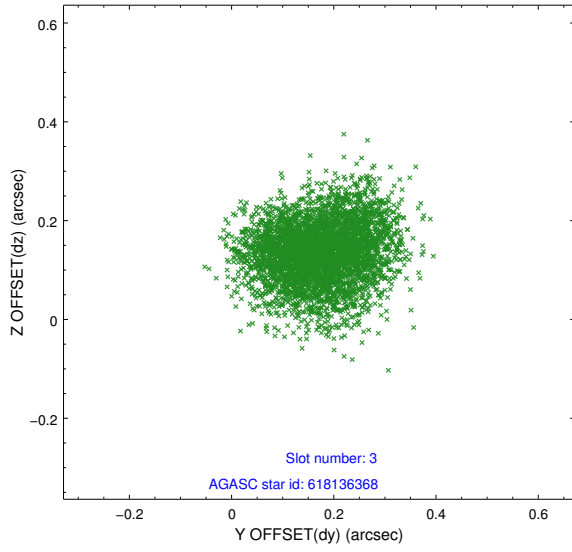
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1986	-0.065	-0.043	0.008	0.013	0.000000	0.000000	-770.01	-1739.51
1	FID	ACIS-S-4	6.97	1985	0.165	0.043	0.007	0.013	0.000000	0.000000	2143.22	168.28
2	FID	ACIS-S-5	7.01	1986	-0.130	0.008	0.007	0.012	0.000000	0.000000	-1822.00	162.78
3	GUIDE	618136368	9.20	3970	0.176	0.137	0.102	0.159	53.174245	-1.667702	-2121.39	-332.89
4	GUIDE	618136976	8.85	3960	0.064	-0.106	0.086	0.141	53.265380	-1.295445	-997.21	465.72
5	GUIDE	618138192	8.52	3969	-0.074	-0.063	0.067	0.111	53.803764	-0.738896	1779.32	711.57
6	GUIDE	618139008	8.94	3970	-0.195	-0.030	0.097	0.150	53.466061	-0.610194	1164.28	1858.71
7	GUIDE	618141048	7.23	3971	0.034	0.067	0.057	0.091	53.300645	-1.860629	-2231.62	-1155.38

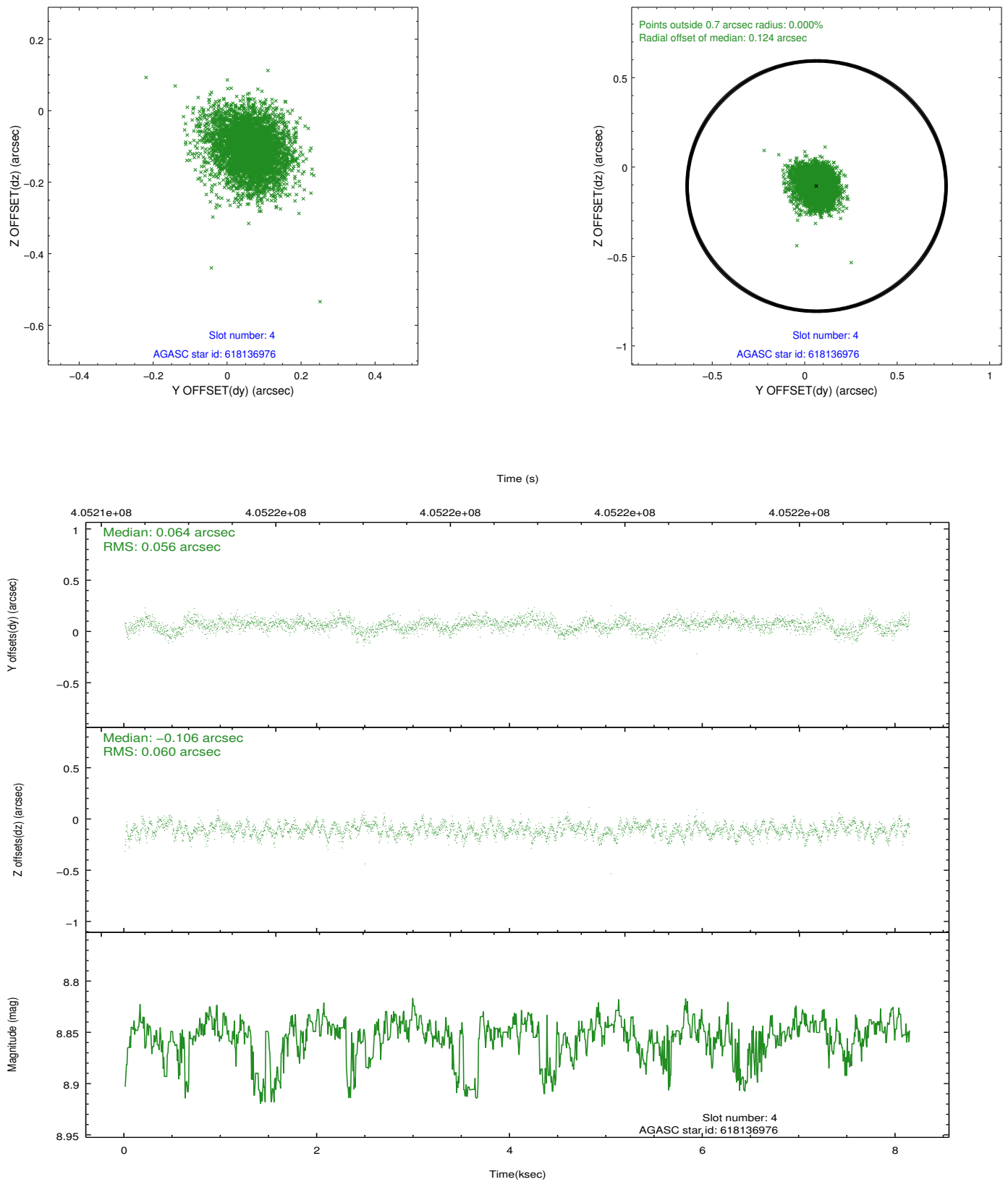
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2.4 Star Slots

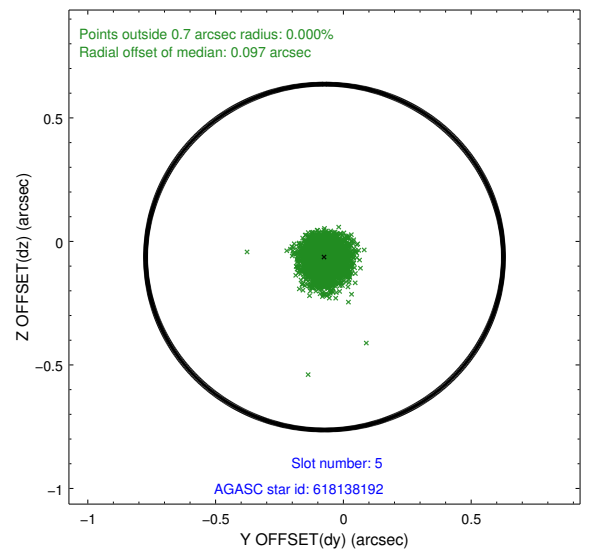
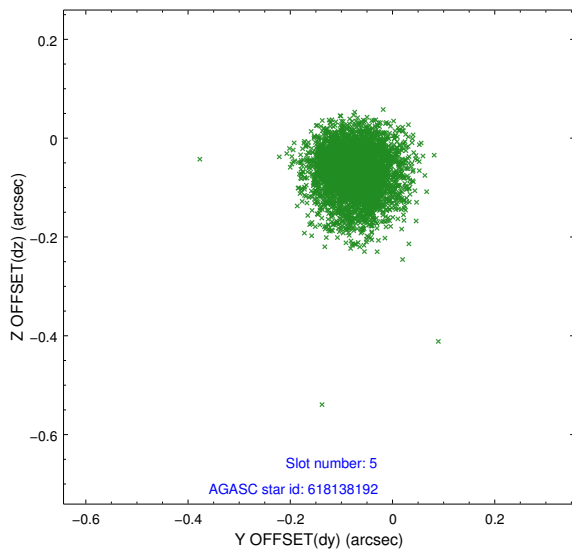
2.4.1 Slot 3



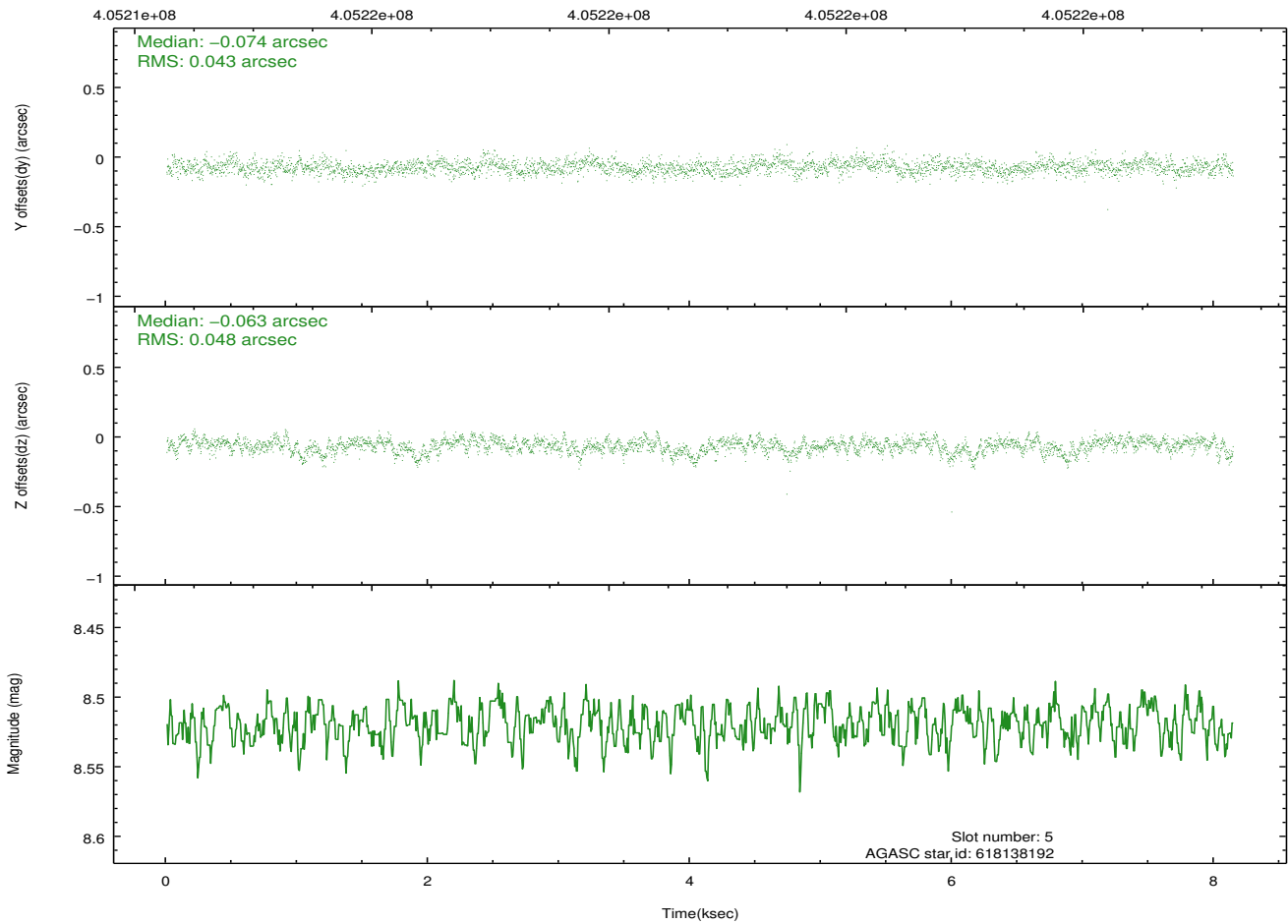
2.4.2 Slot 4



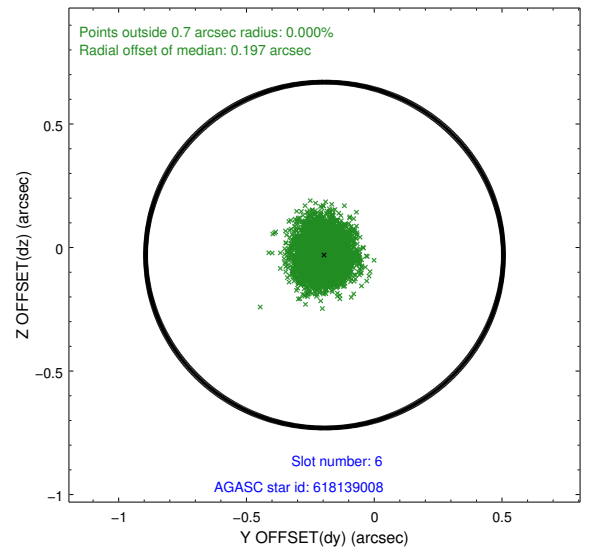
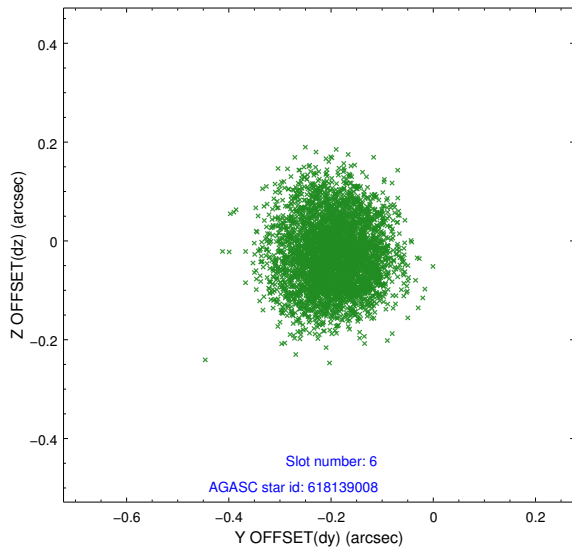
2.4.3 Slot 5



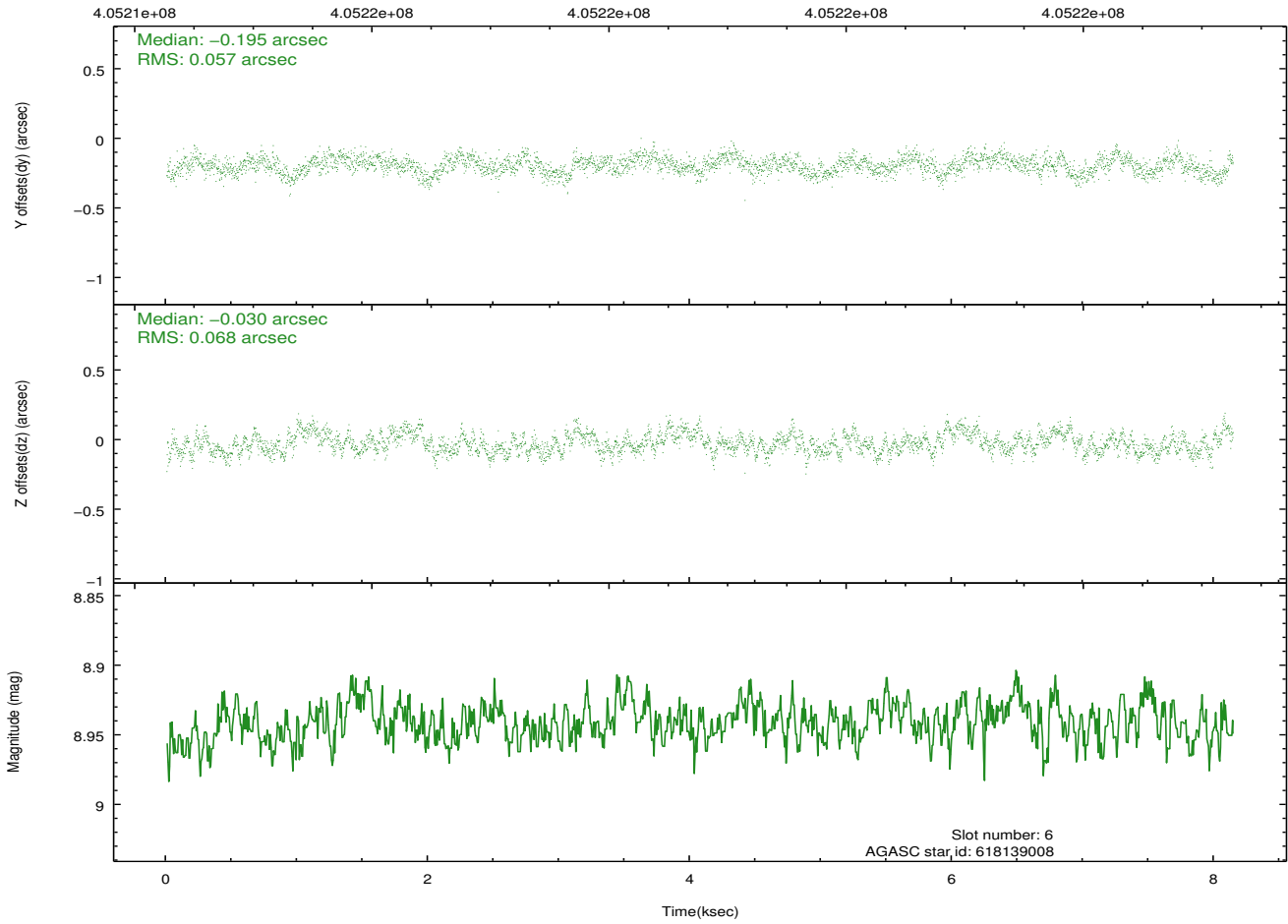
Time (s)



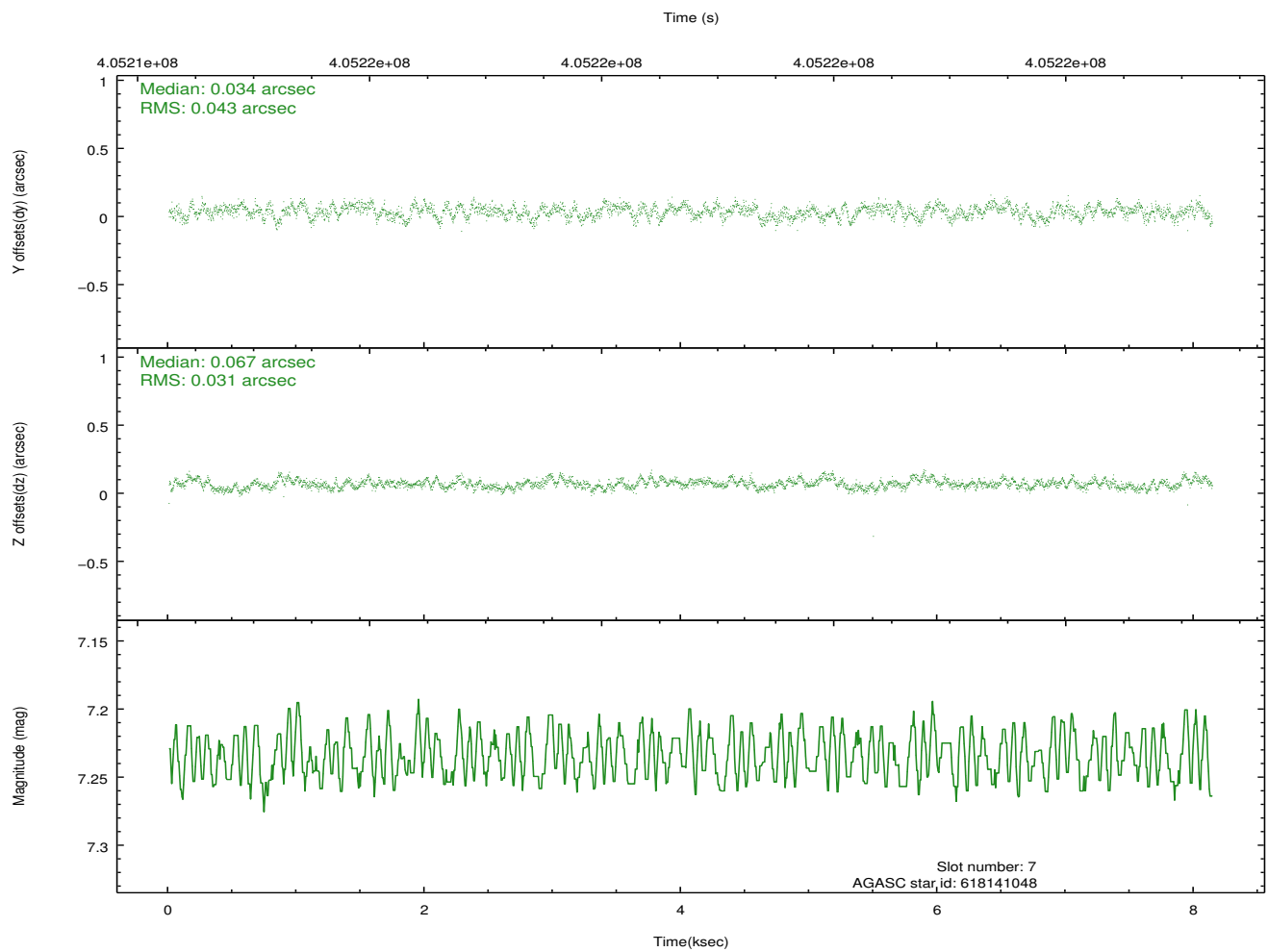
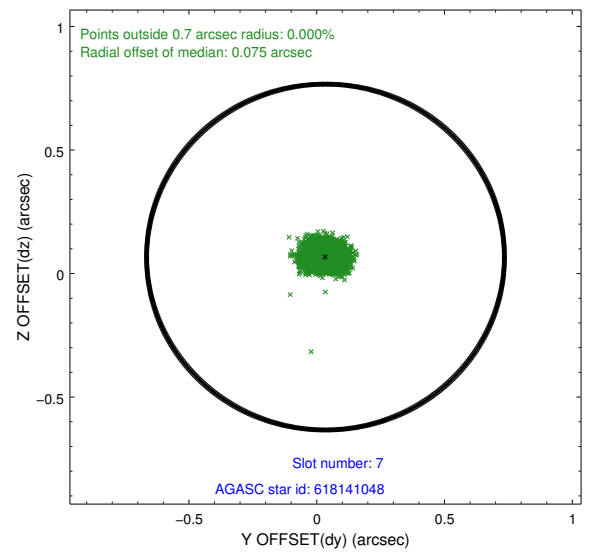
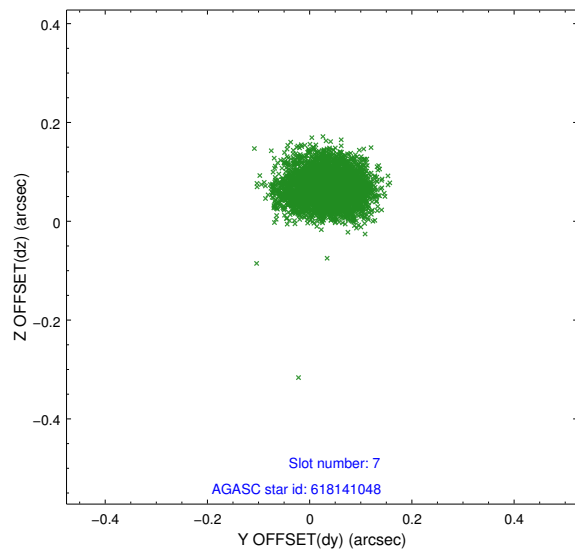
2.4.4 Slot 6



Time (s)

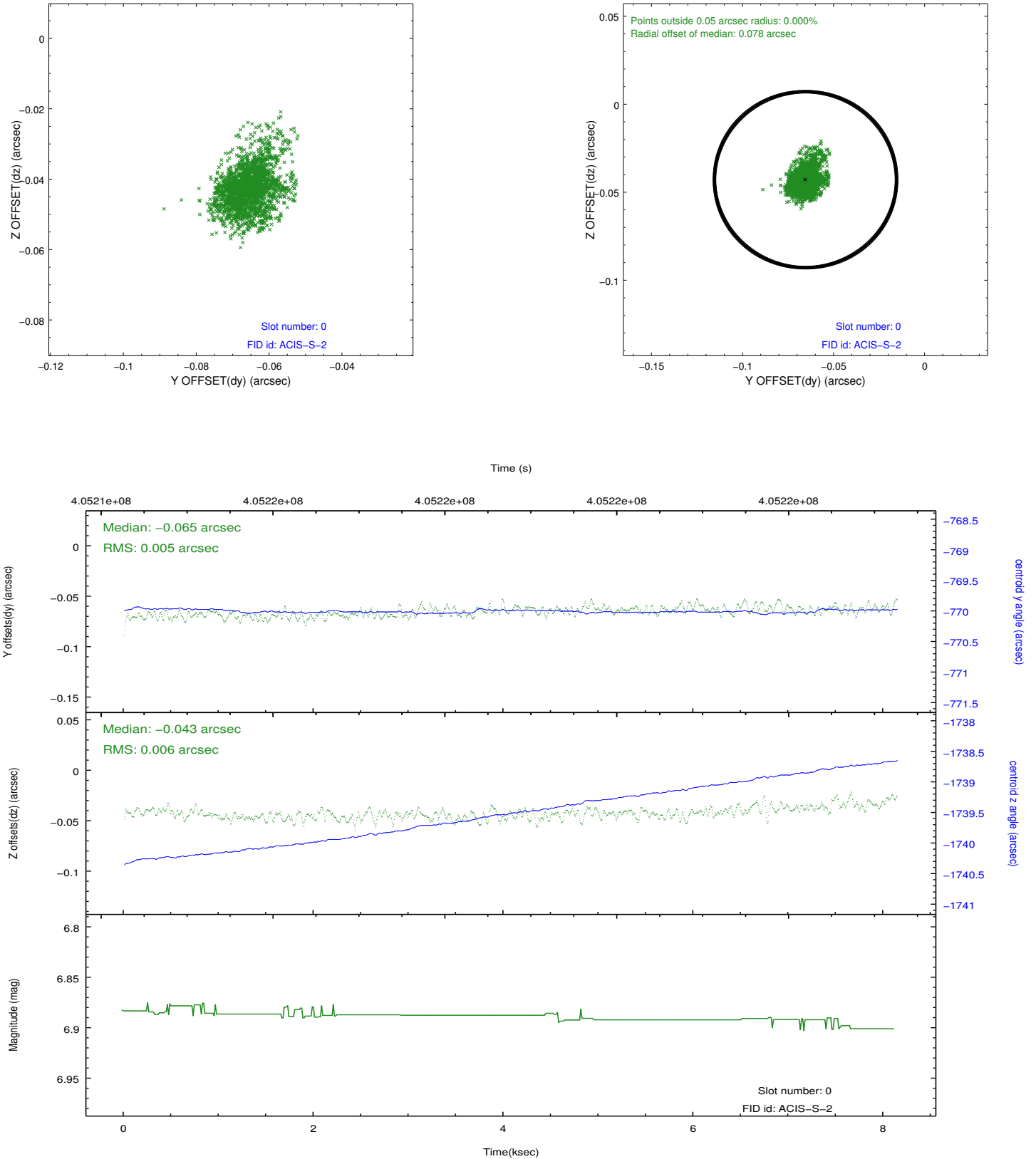


2.4.5 Slot 7

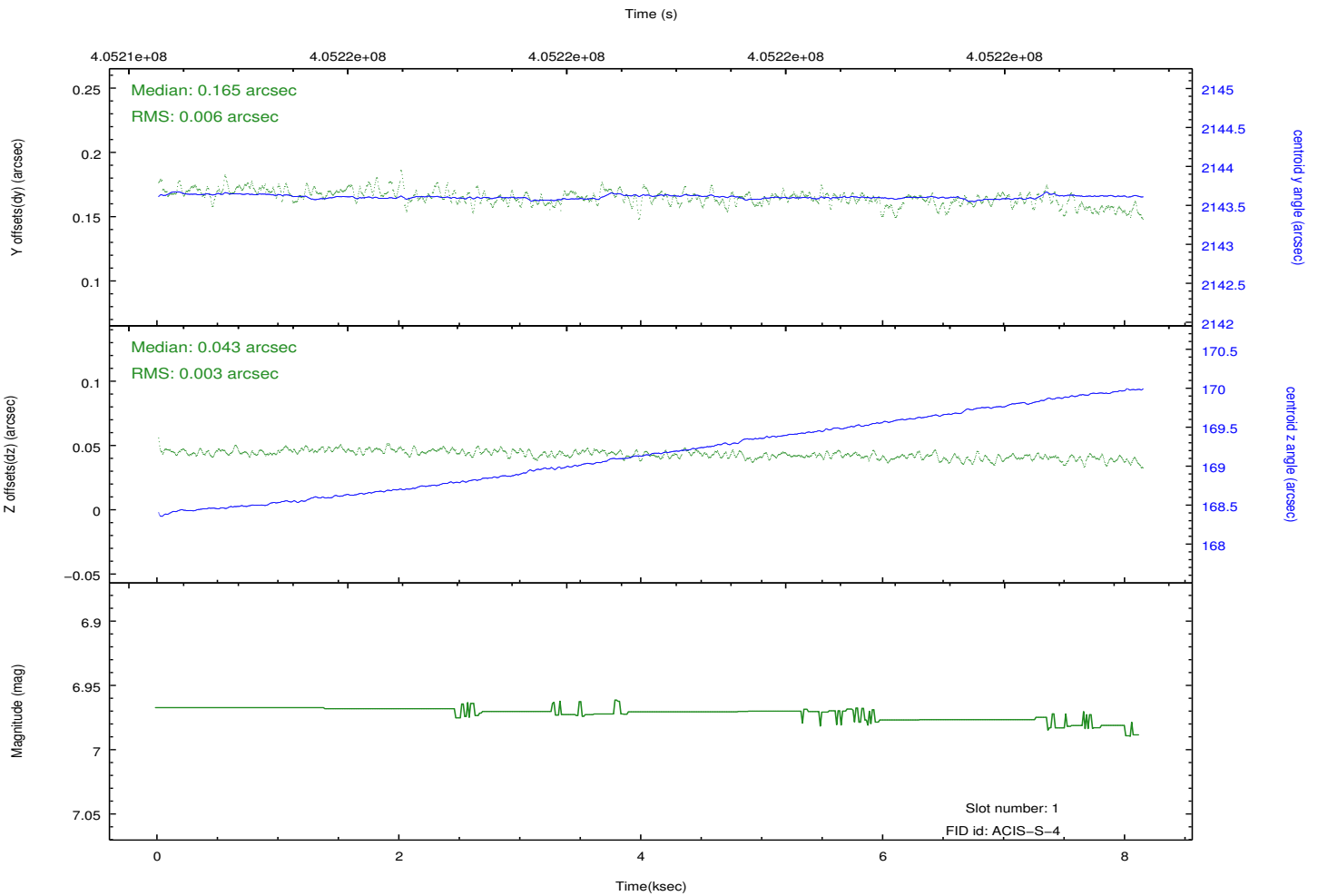
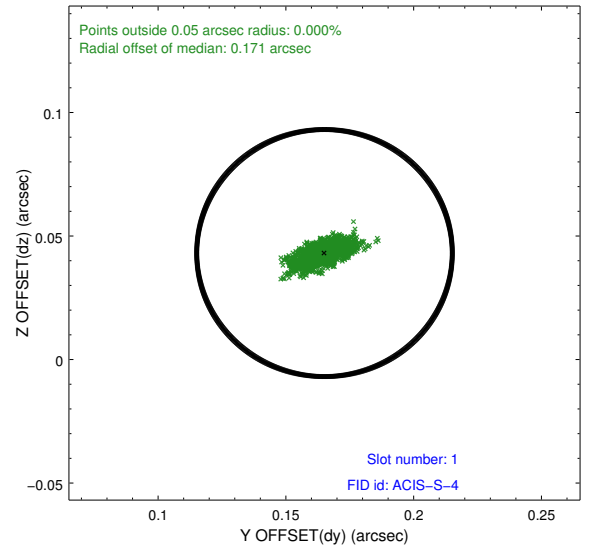
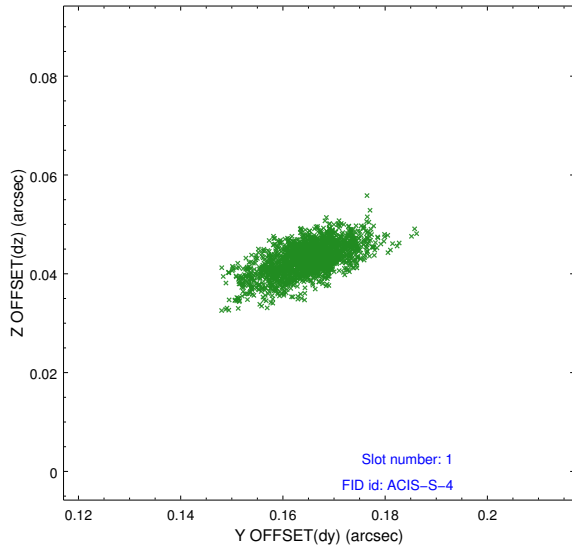


2.5 FID Slots

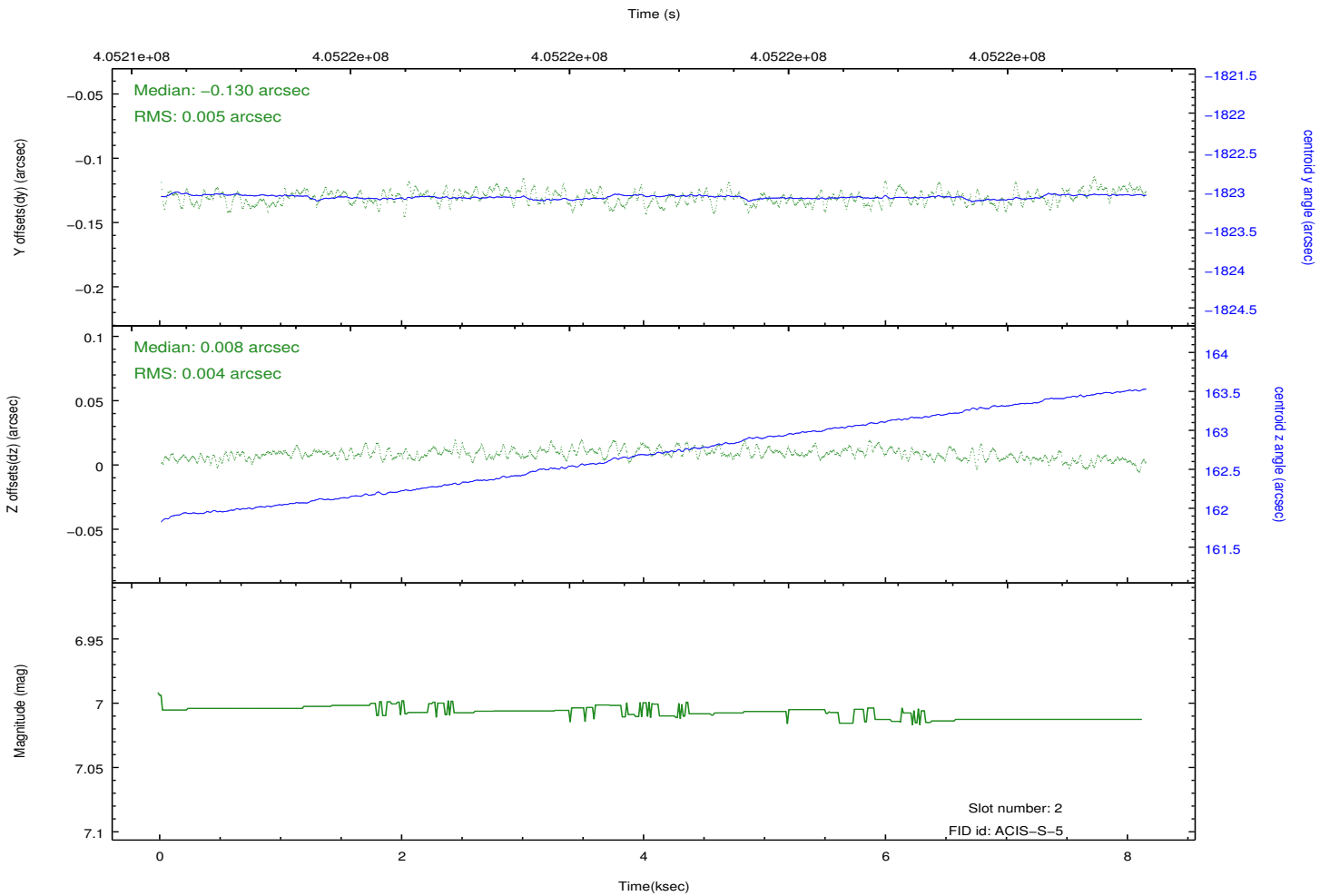
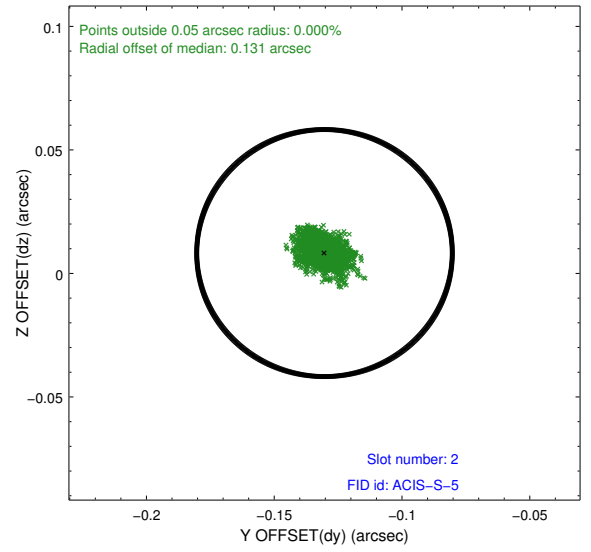
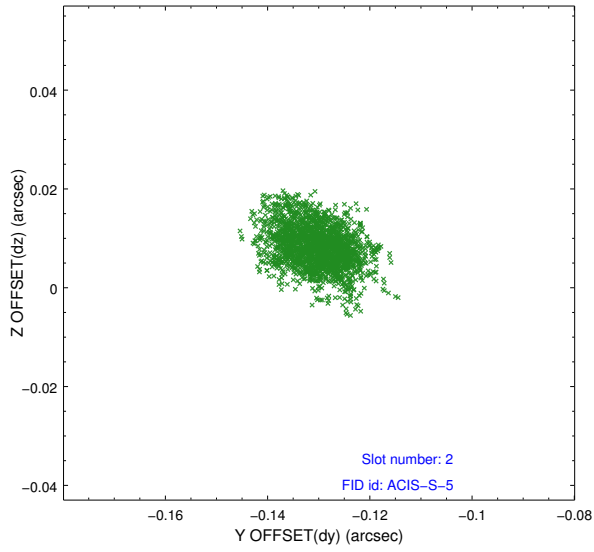
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0527152070403

A.2 Comments