

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14412 - L2 Version 1
Chandra X-Ray Center

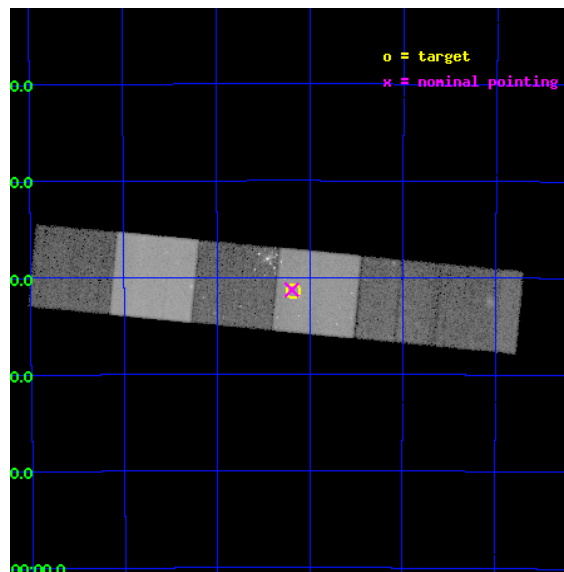
L2 Processing Date : Apr 4 2012

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1 Front

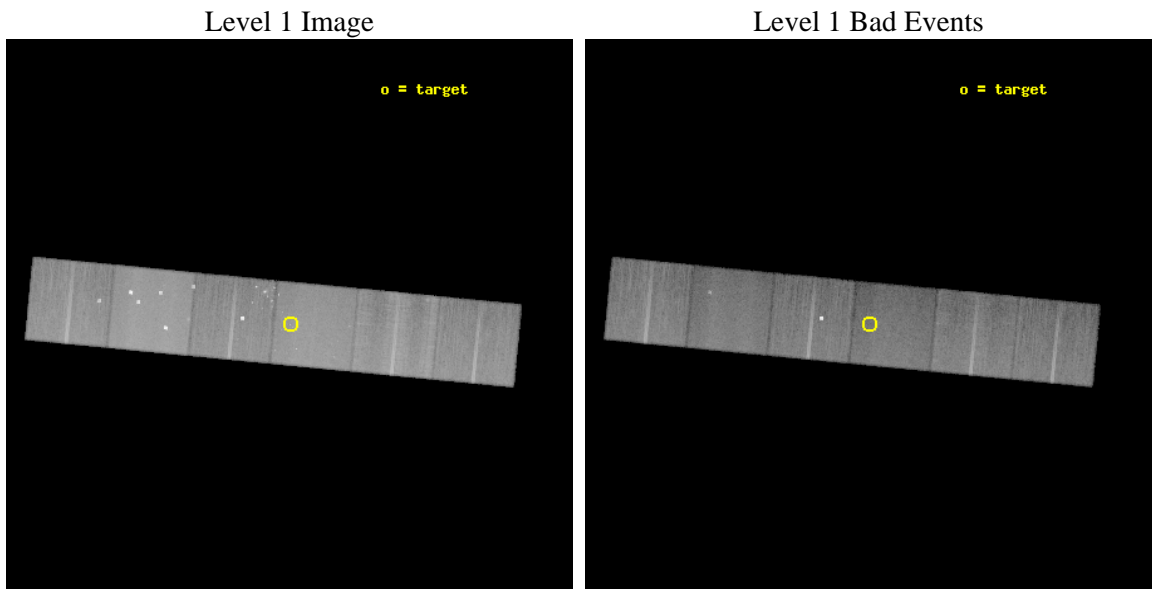
seq_num	501796	Sequence number
obs_id	14412	Observation id
title	X-ray followup of type IIP SN 2011ja	Proposal title
observer	Prof. Alak Ray	Principal investigator
object	SN 2011ja	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.29625	Observer's specified target RA [deg]
dec_targ	-49.524167	Observer's specified target Dec [deg]
ra_nom	196.29835563622	Nominal RA [deg]
dec_nom	-49.52146969356	Nominal Dec [deg]
roll_nom	5.4714590265582	Nominal Roll [deg]
revision	1	Processing version of data
ontime	39641.599852383	Sum of GTIs [s]
livetime	39139.634045747	Livetime [s]
ontime4	39638.358802199	Sum of GTIs [s]
ontime5	39641.599852383	Sum of GTIs [s]
ontime6	39641.599852383	Sum of GTIs [s]
ontime7	39641.599852383	Sum of GTIs [s]
ontime8	39641.599852383	Sum of GTIs [s]
ontime9	39641.599852383	Sum of GTIs [s]
l2events	399773	Number of level 2 events



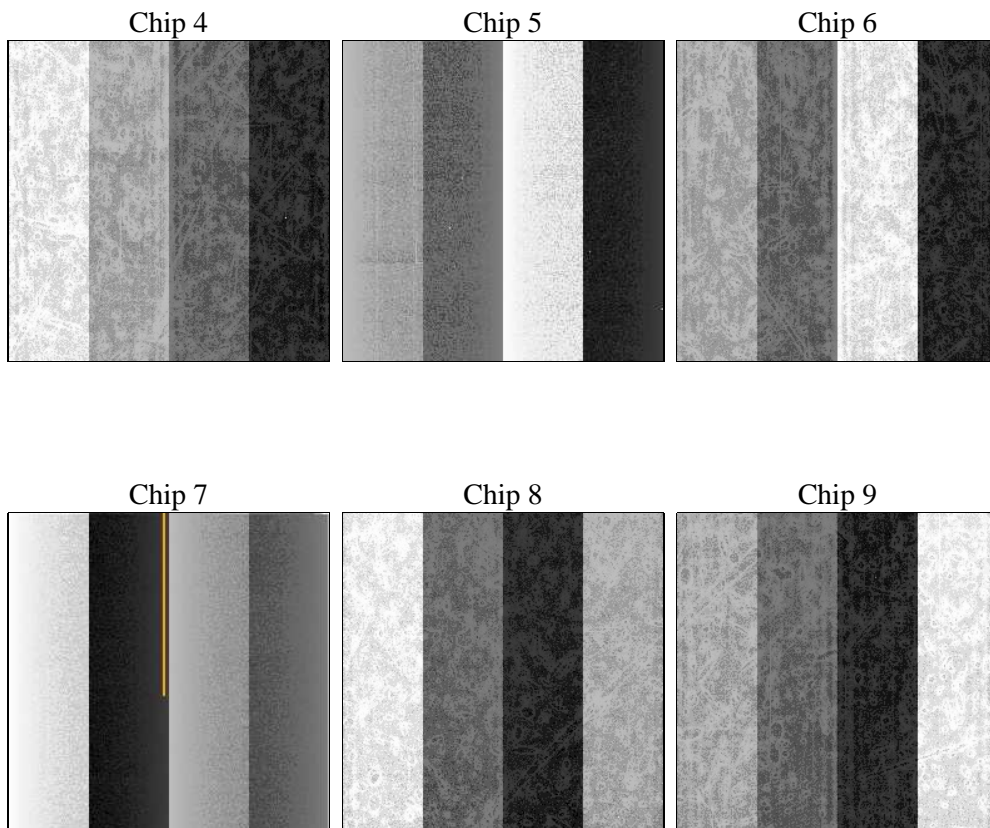
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39681.787000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	39641.599852383	Sum of GTIs [s]
caldsver	4.4.9	 	ontime4	39638.358802199	Sum of GTIs [s]
date	2012-04-04T02:39:47	Date and time of file creation	ontime5	39641.599852383	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	39641.599852383	Sum of GTIs [s]
			ontime7	39641.599852383	Sum of GTIs [s]
			ontime8	39641.599852383	Sum of GTIs [s]
			ontime9	39641.599852383	Sum of GTIs [s]
			l1events	1747198	Number of level 1 events

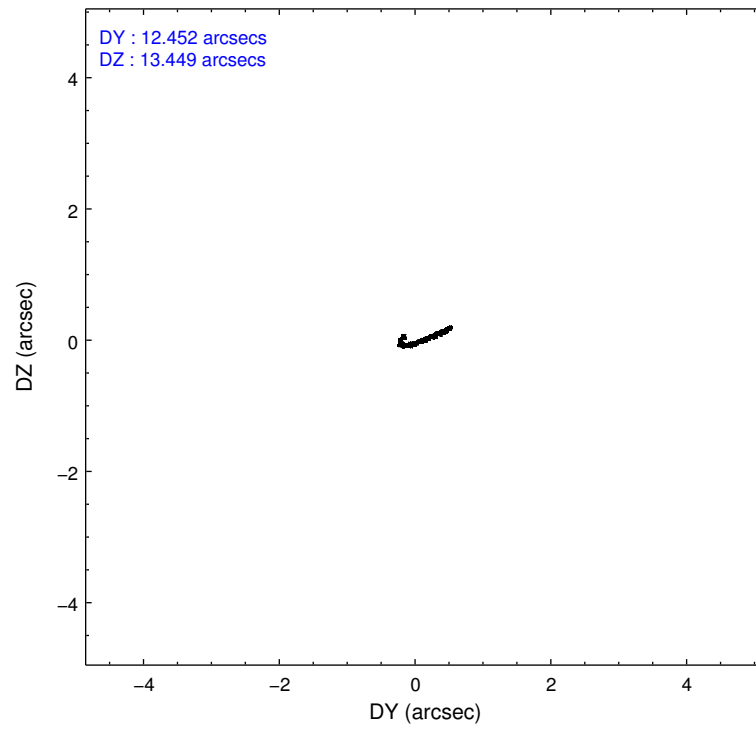
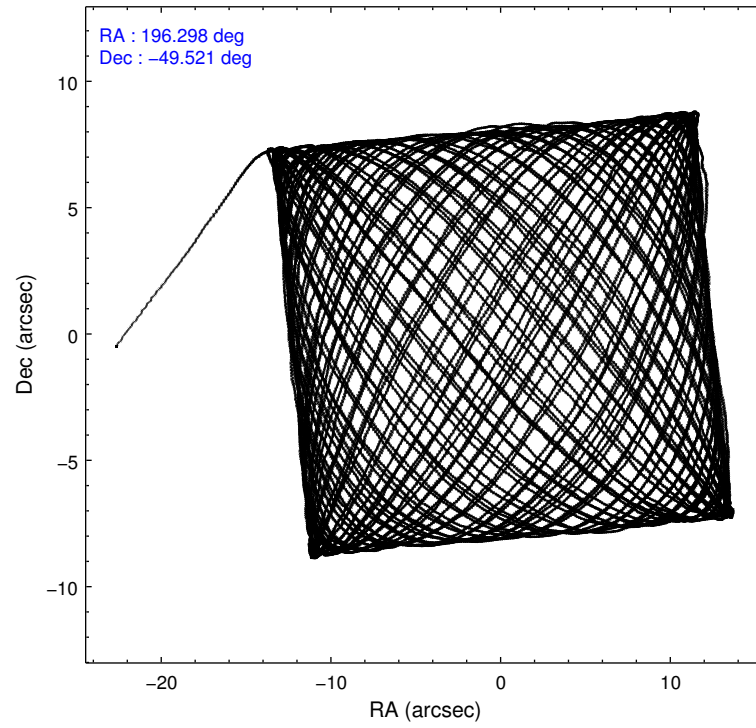
2.1.4 Events

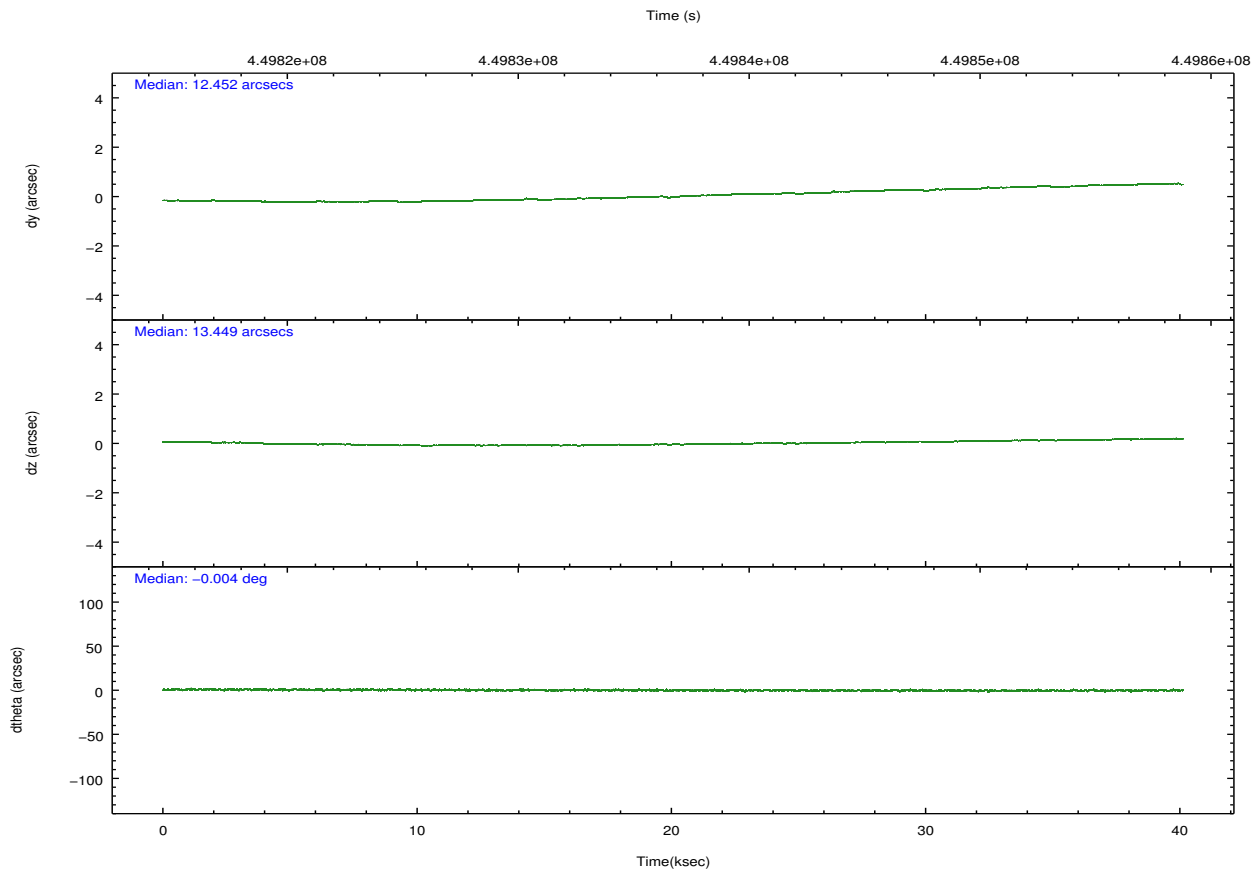
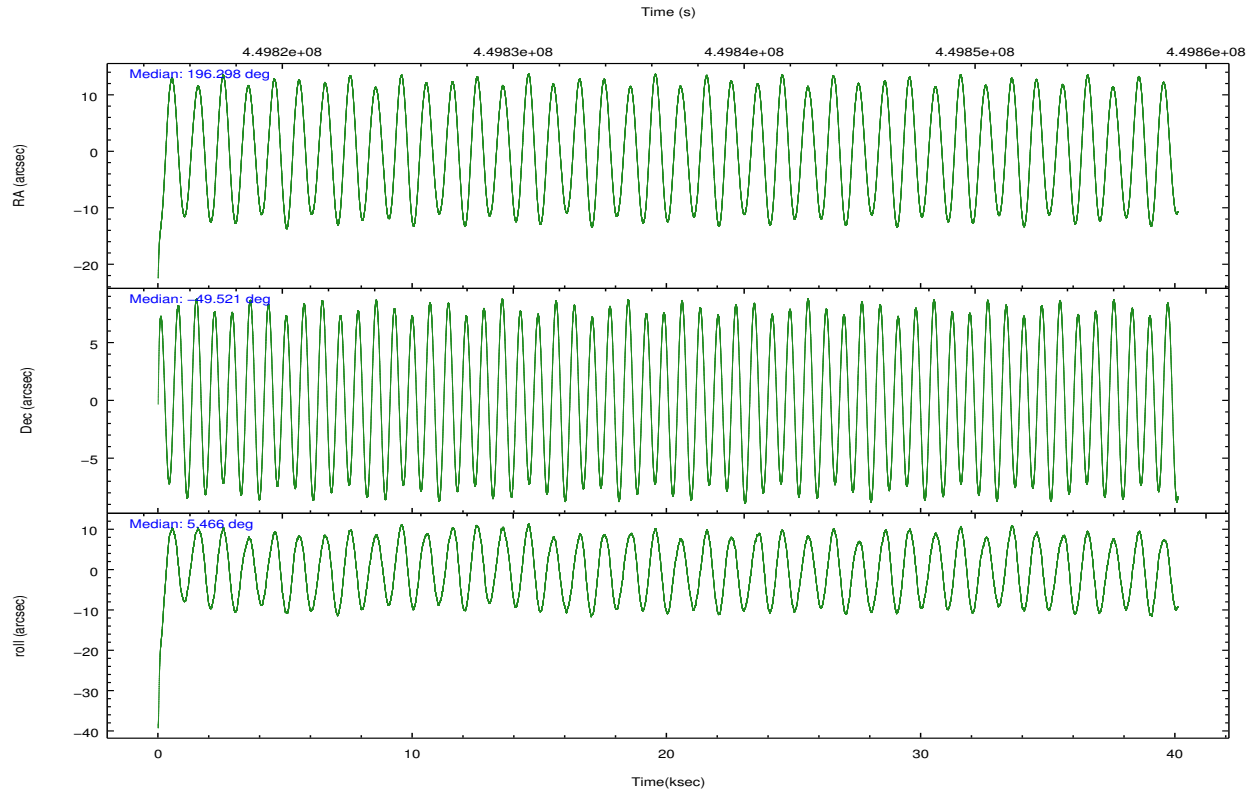
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	264795	394457	250989	301843	302302	232812	grade 0 events	12736	42743	14576	12511	22932	10685
rejected events	234597	187266	216819	167513	221874	203881		4%	10%	5%	4%	7%	4%
rejected %	88%	47%	86%	55%	73%	87%	grade 1 events	230	1313	12013	338	255	133
								0%	0%	4%	0%	0%	0%
							grade 2 events	6714	57562	6834	27769	19019	6129
								2%	14%	2%	9%	6%	2%
							grade 3 events	2955	5978	3067	11371	8813	2916
								1%	1%	1%	3%	2%	1%
							grade 4 events	2950	5722	3004	11263	8134	2970
								1%	1%	1%	3%	2%	1%
							grade 5 events	11313	25907	11455	30511	16493	12596
								4%	6%	4%	10%	5%	5%
							grade 6 events	4845	95214	6693	71439	21543	6236
								1%	24%	2%	23%	7%	2%
							grade 7 events	223052	160018	193347	136641	205113	191147
								84%	40%	77%	45%	67%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	196.264391	196.298355636216	CCD I2 on	N	N
[deg] Pointing Dec	-49.537631	-49.52146969356038	CCD I3 on	N	N
[deg] Pointing Roll	5.288997	5.471459026558156	CCD S0 on	Y	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	449817078.184000	449815850.82211	CCD S5 on	O1	Y
Observation start date	2012-04-03T05:10:12	2012-04-03T04:50:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	449856760.184000	449856986.12431	On-chip summing requested	N	N
Observation end date	2012-04-03T16:11:34	2012-04-03T16:16:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



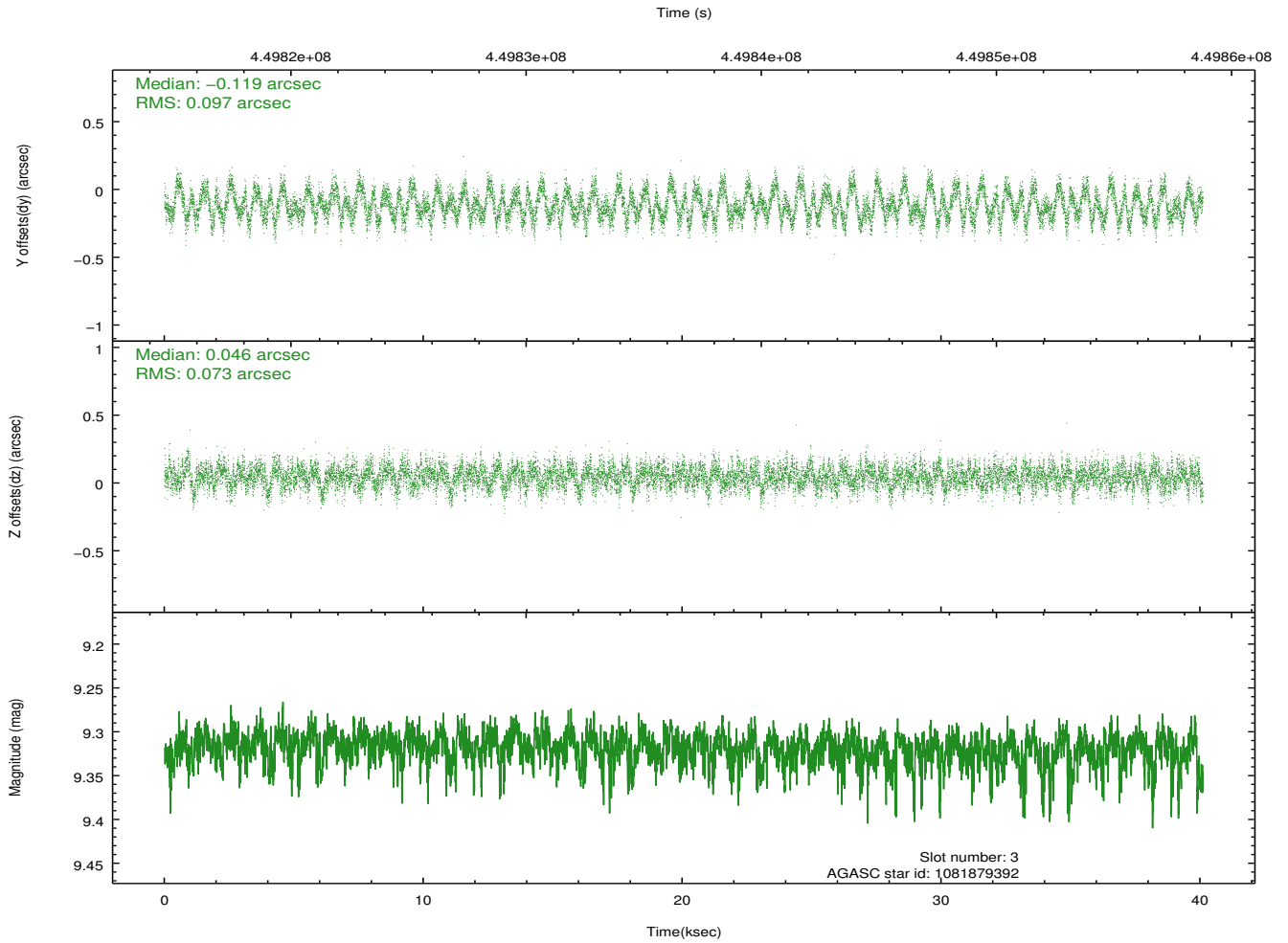
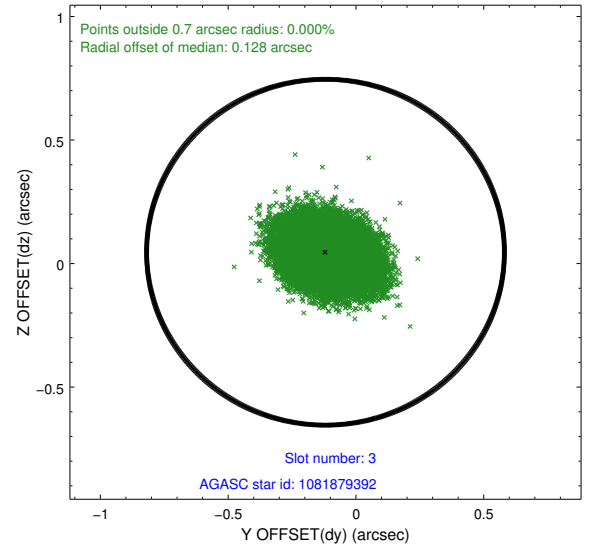
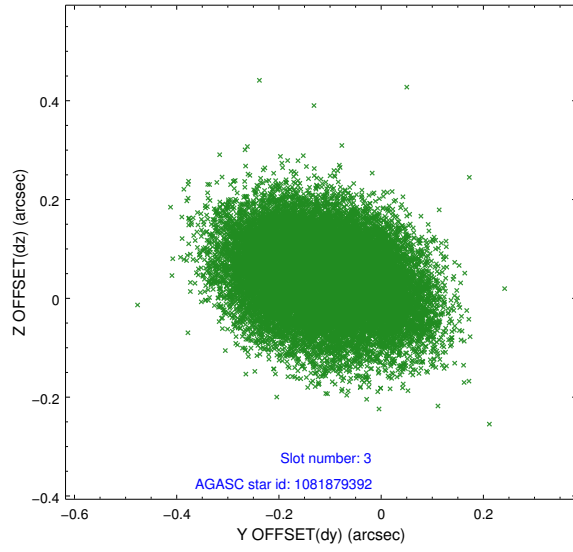


Slot Statistics

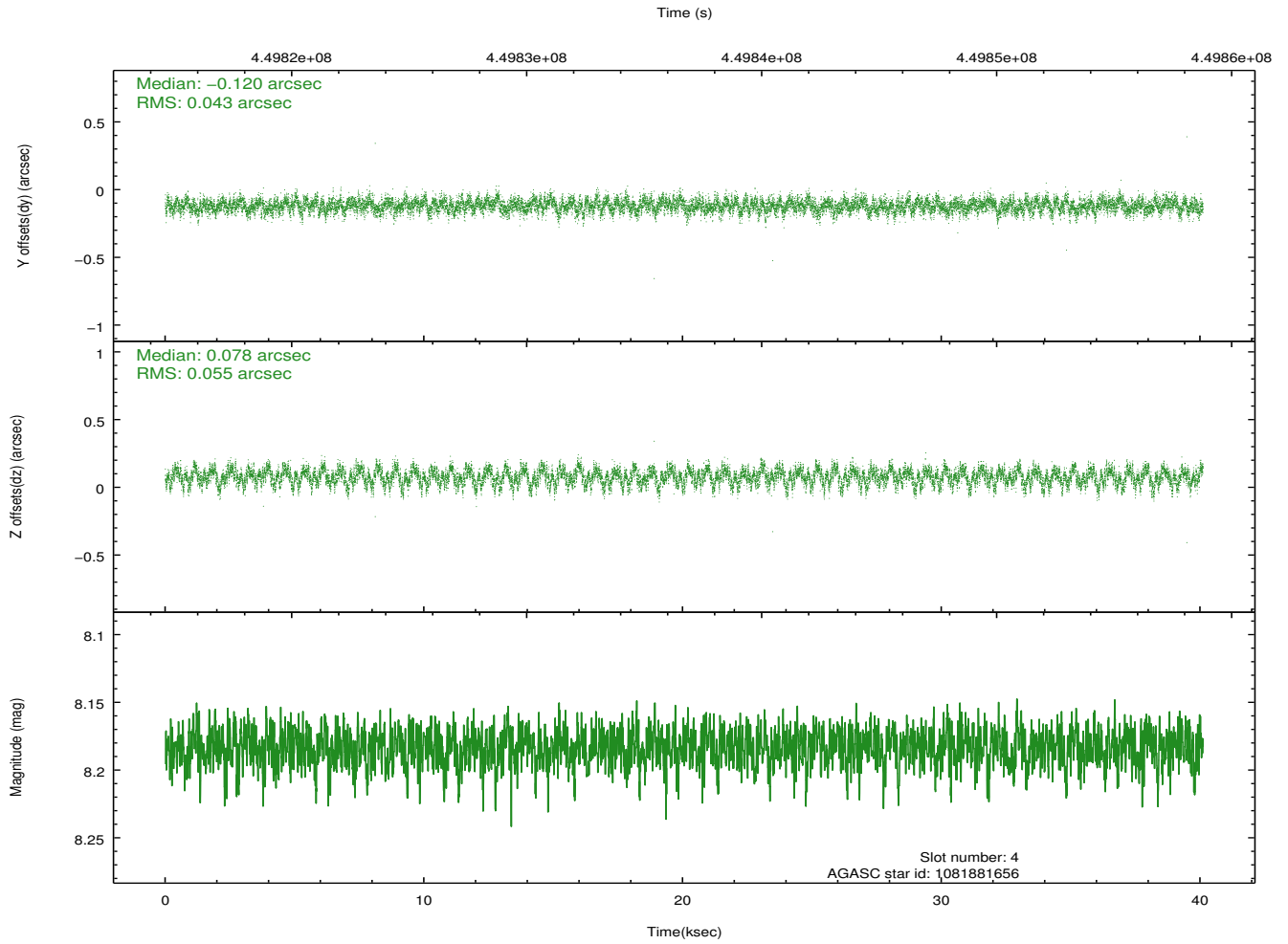
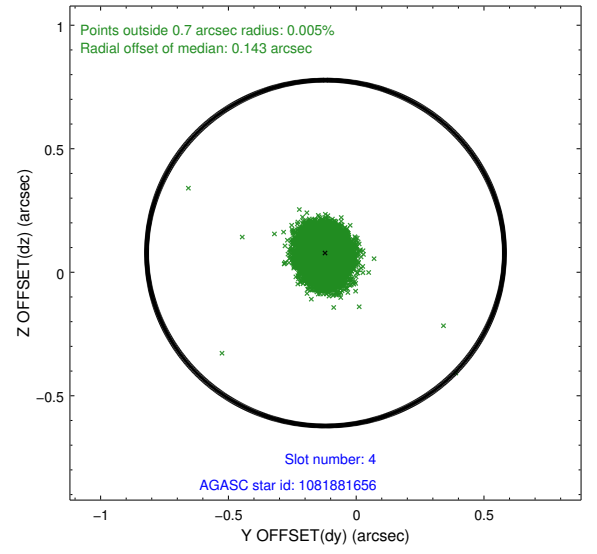
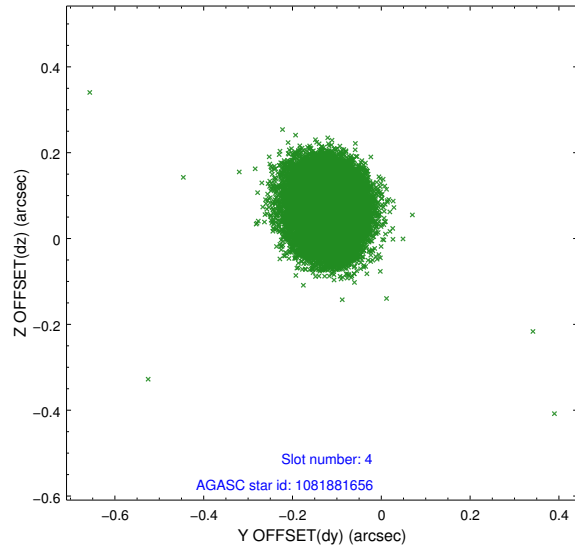
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.03	9783	0.017	-0.057	0.007	0.013	0.000000	0.000000	-765.40	-1734.86
1	FID	ACIS-S-5	7.17	9783	-0.102	0.038	0.009	0.015	0.000000	0.000000	-1818.64	167.19
2	FID	ACIS-S-6	7.26	9783	0.059	0.027	0.008	0.015	0.000000	0.000000	396.24	811.10
3	GUIDE	1081879392	9.32	19545	-0.119	0.046	0.132	0.206	196.569785	-50.059673	529.93	-1937.74
4	GUIDE	1081881656	8.18	19555	-0.120	0.078	0.074	0.118	196.213950	-49.649201	-153.75	-389.17
5	GUIDE	1082006648	8.26	19566	0.143	0.140	0.084	0.138	197.274351	-49.494968	2364.17	-80.21
6	GUIDE	1082007984	8.20	19565	0.271	0.006	0.081	0.128	196.927081	-49.725914	1473.24	-823.65
7	GUIDE	1082011856	8.14	19560	-0.181	-0.264	0.065	0.104	197.058878	-49.171293	1982.86	1130.94

2.4 Star Slots

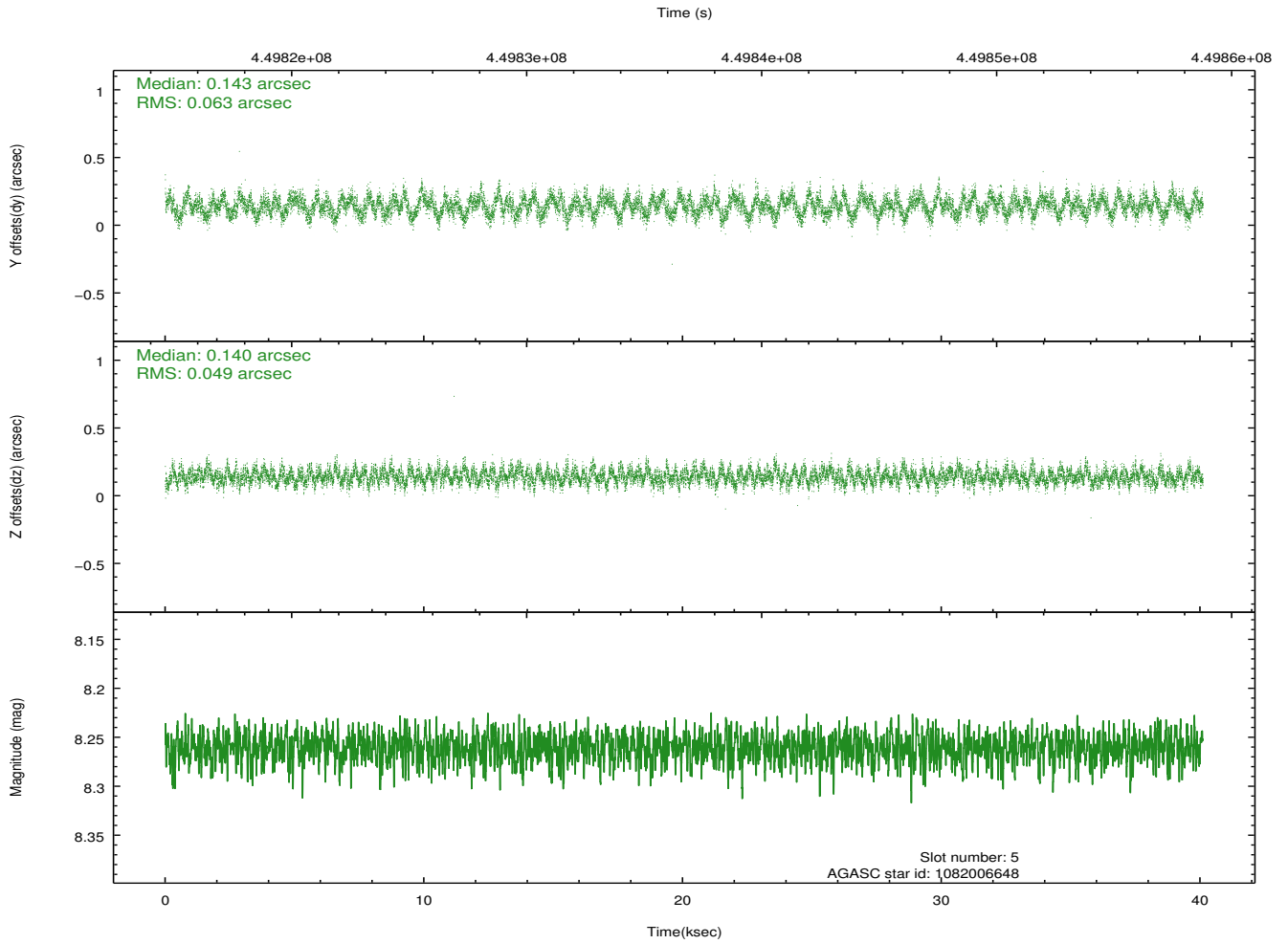
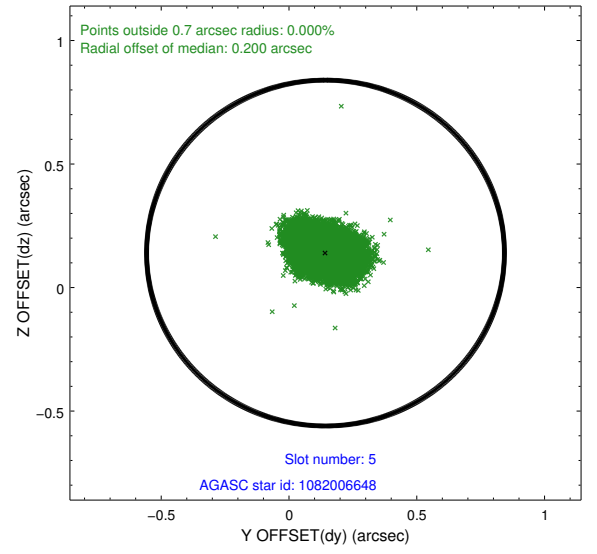
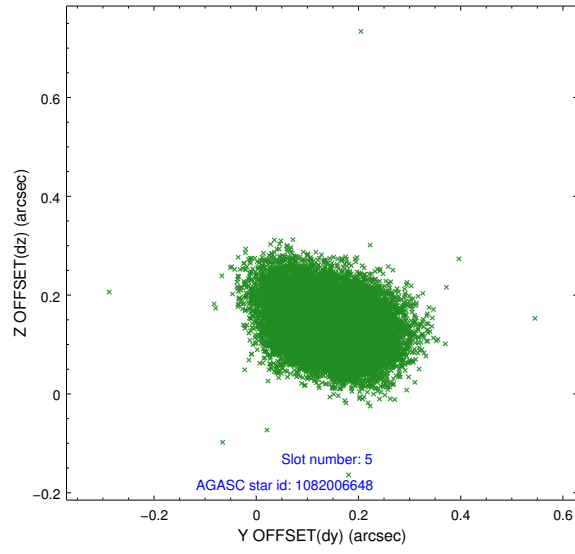
2.4.1 Slot 3



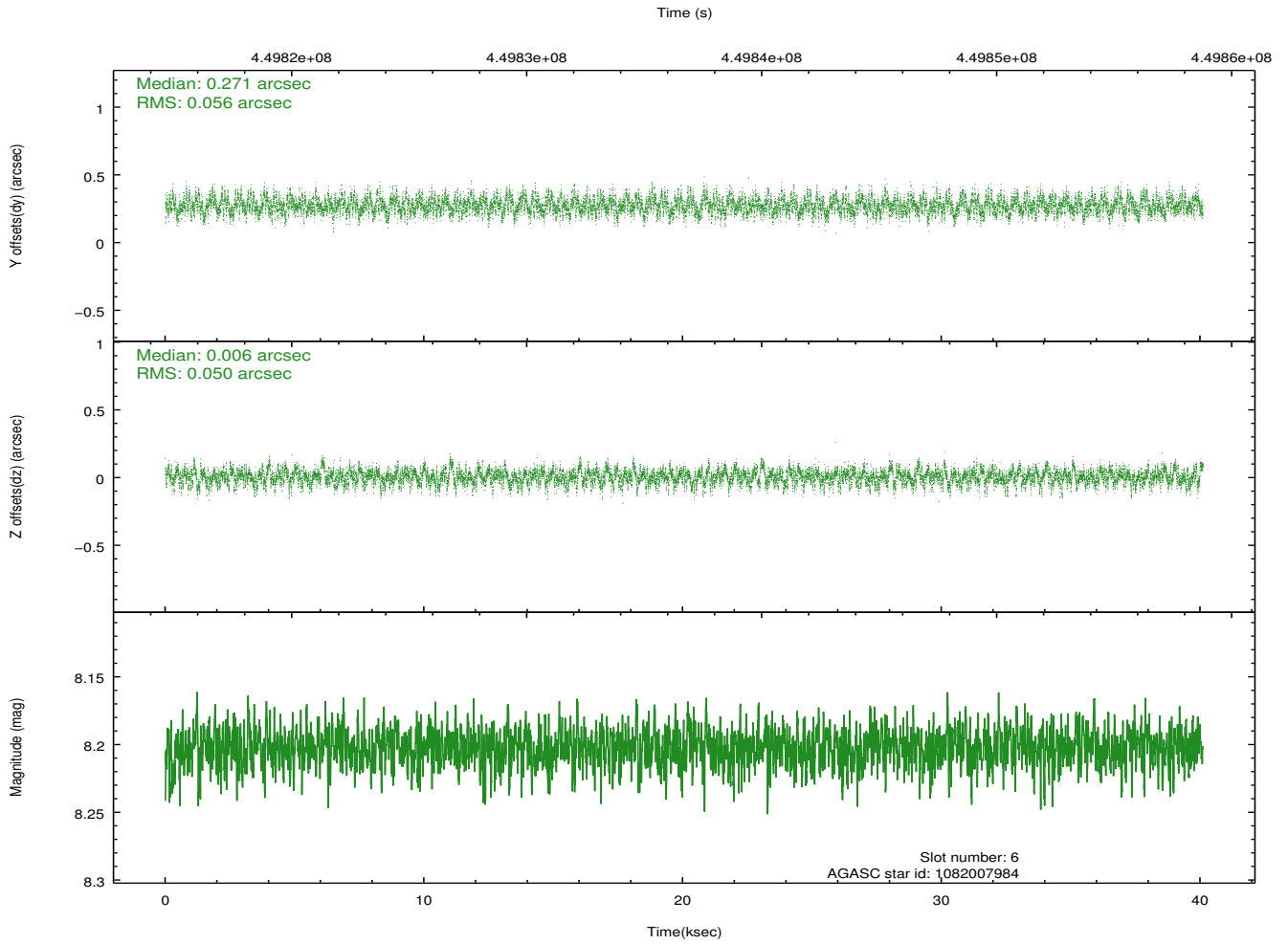
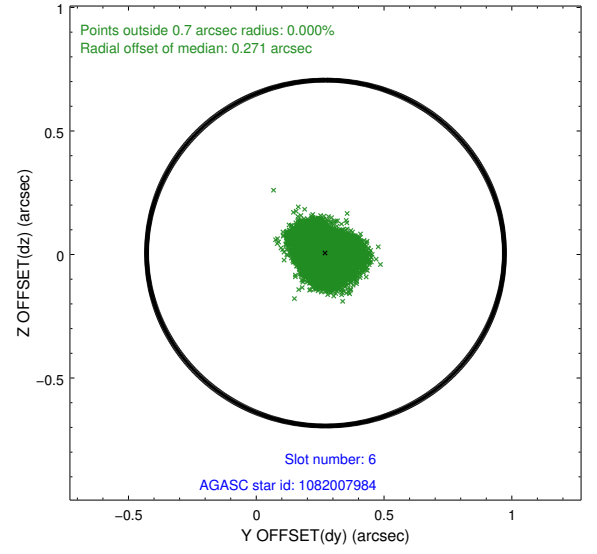
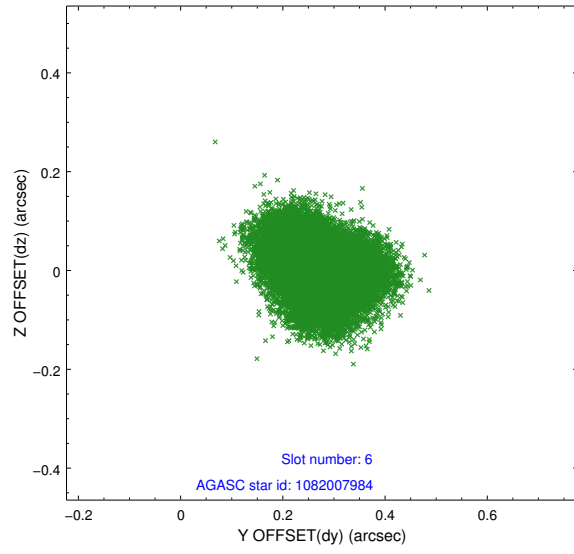
2.4.2 Slot 4



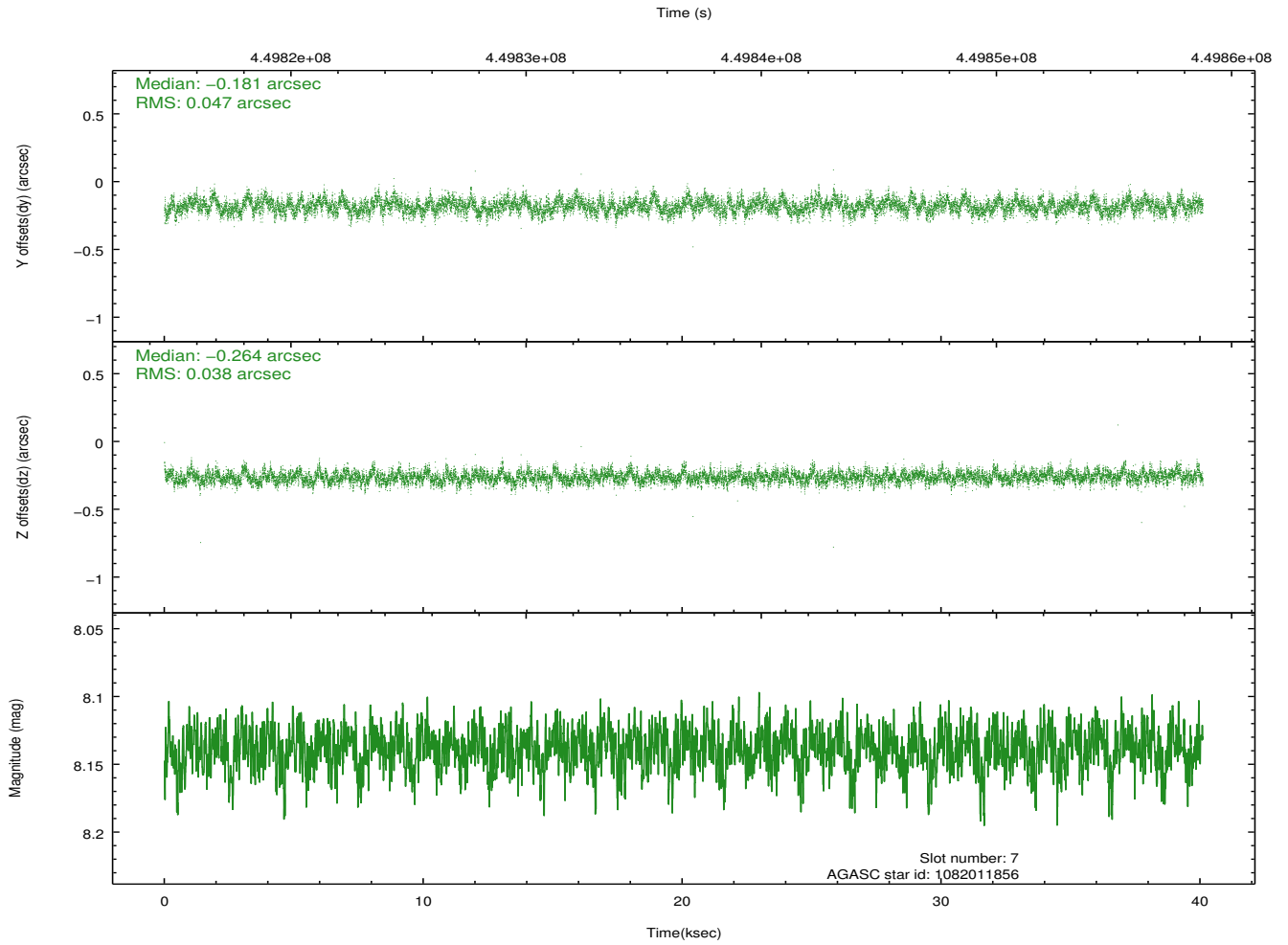
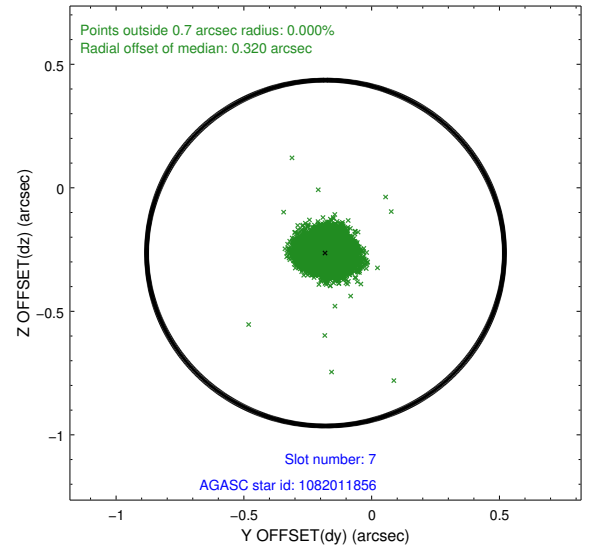
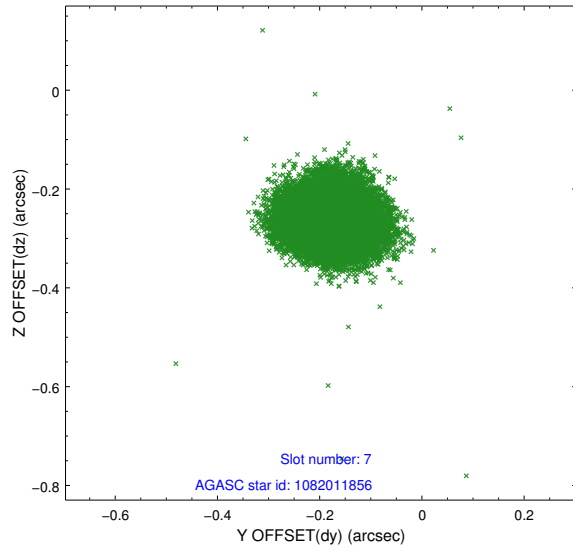
2.4.3 Slot 5



2.4.4 Slot 6

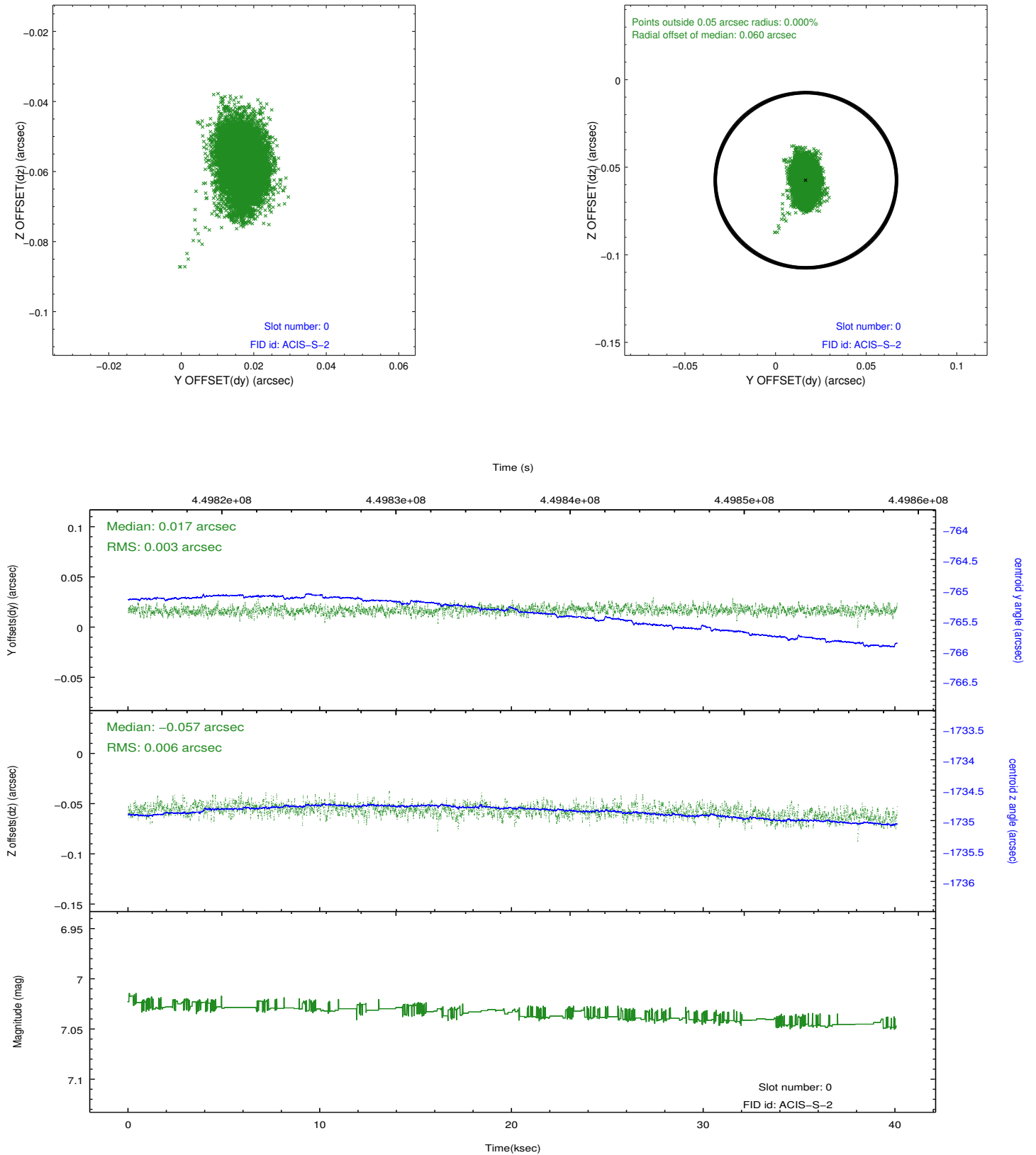


2.4.5 Slot 7

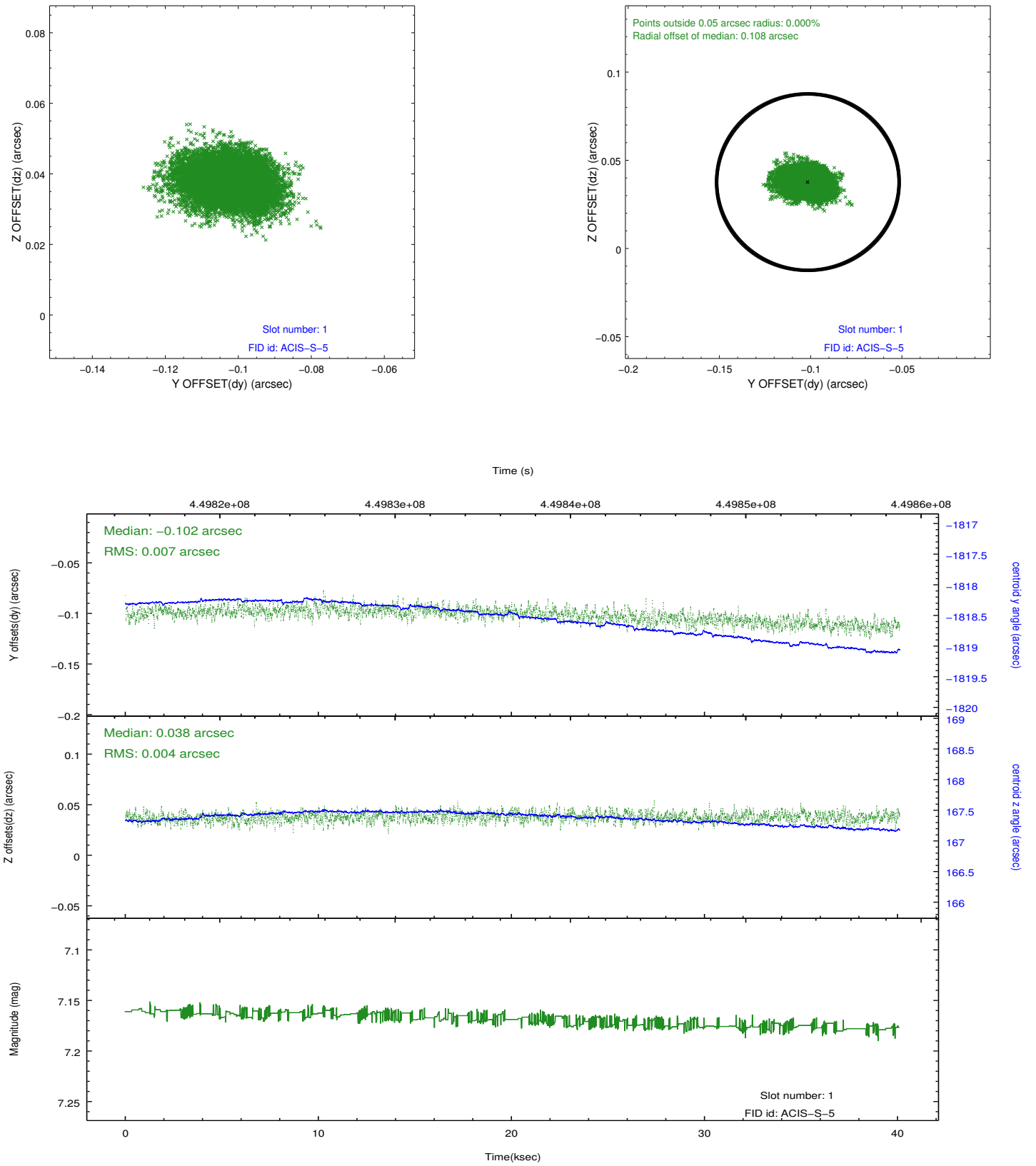


2.5 FID Slots

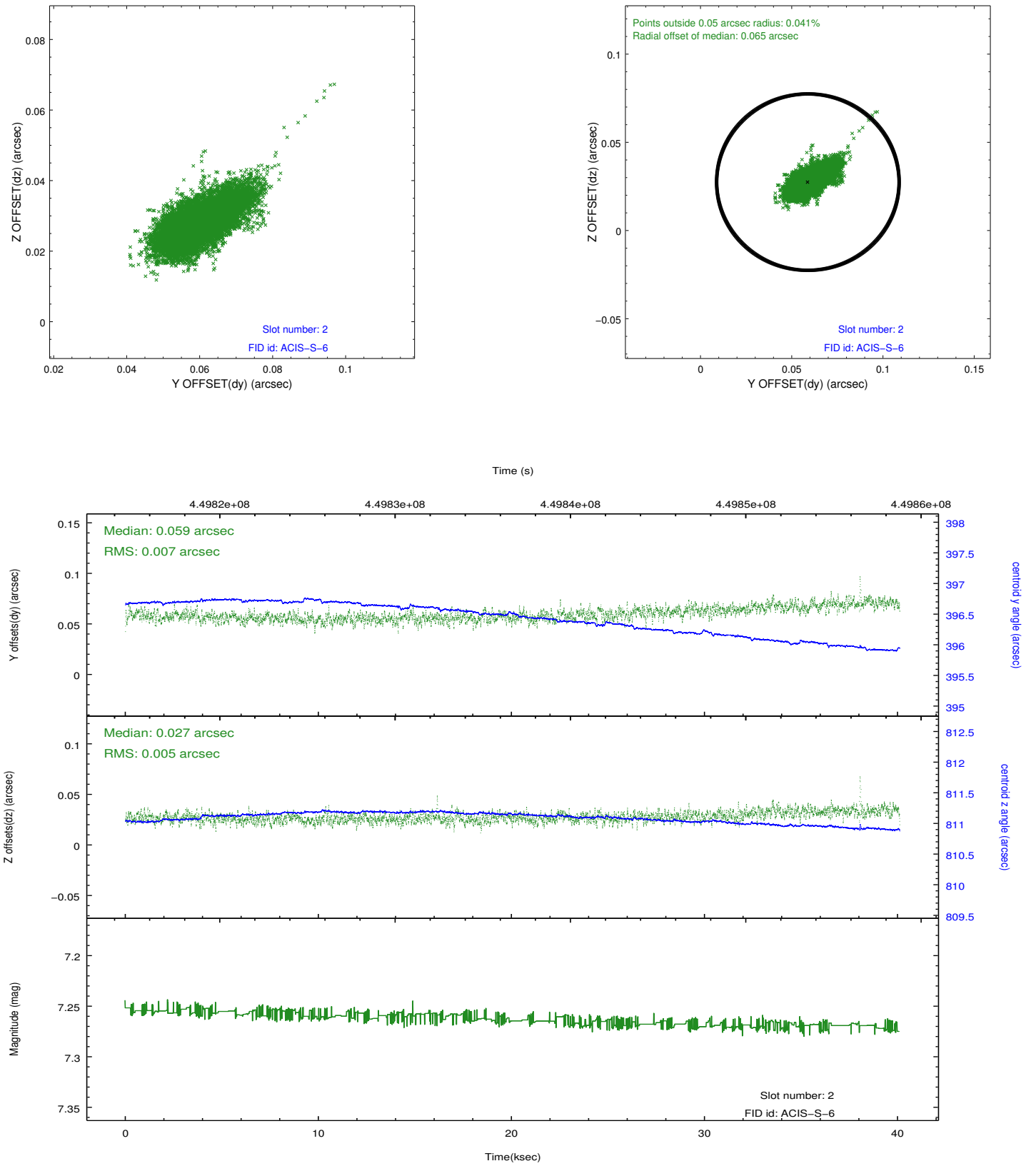
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.641599852383

A.2 Comments