

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 430 - L2 Version 3
Chandra X-Ray Center

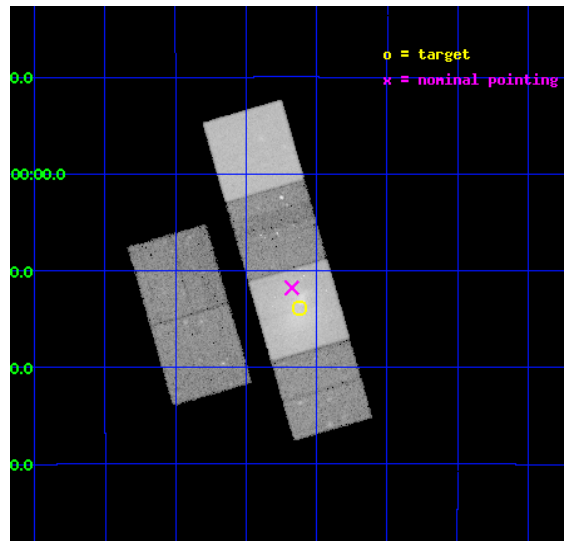
L2 Processing Date : Sep 2 2012

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

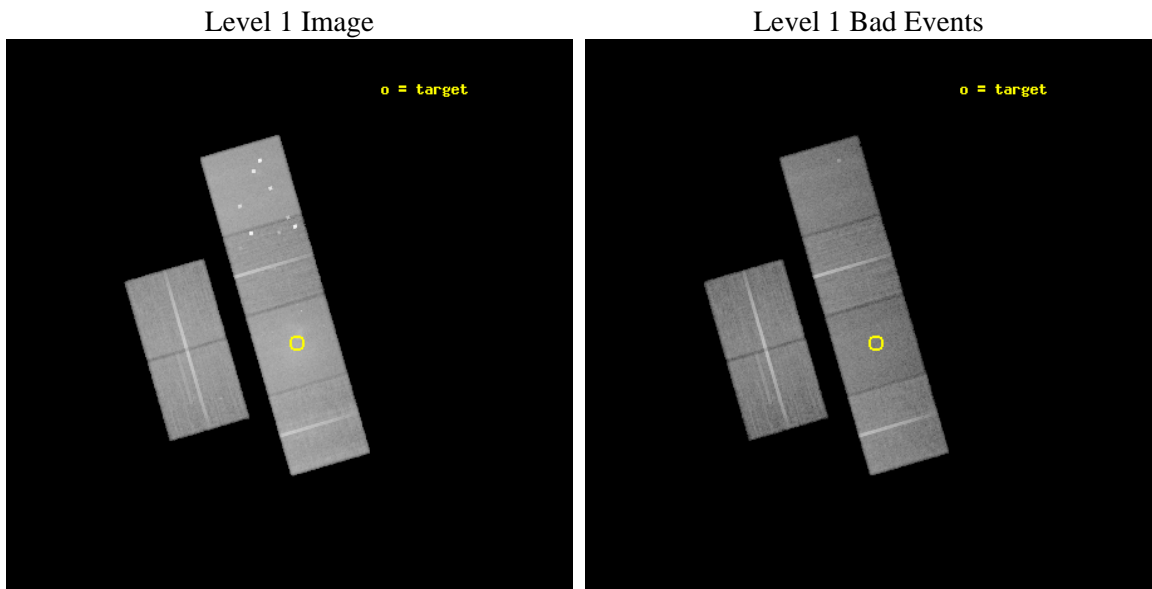
seq_num	800111	Sequence number
obs_id	430	Observation id
title	A521, A CLUSTER FORMING AT THE CROSSING OF TWO FILAMENTS?	Proposal
observer	DR MONIQUE ARNAUD	Principal investigator
object	A521	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.53125	Observer's specified target RA [deg]
dec_targ	-10.231944	Observer's specified target Dec [deg]
ra_nom	73.543718426705	Nominal RA [deg]
dec_nom	-10.196396394264	Nominal Dec [deg]
roll_nom	73.800309514497	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39611.354160175	Sum of GTIs [s]
livetime	39109.771342705	Livetime [s]
ontime2	39608.154239938	Sum of GTIs [s]
ontime3	39601.508109525	Sum of GTIs [s]
ontime5	39611.313120171	Sum of GTIs [s]
ontime6	39611.272080183	Sum of GTIs [s]
ontime7	39611.354160175	Sum of GTIs [s]
ontime8	39607.949010029	Sum of GTIs [s]
l2events	441017	Number of level 2 events



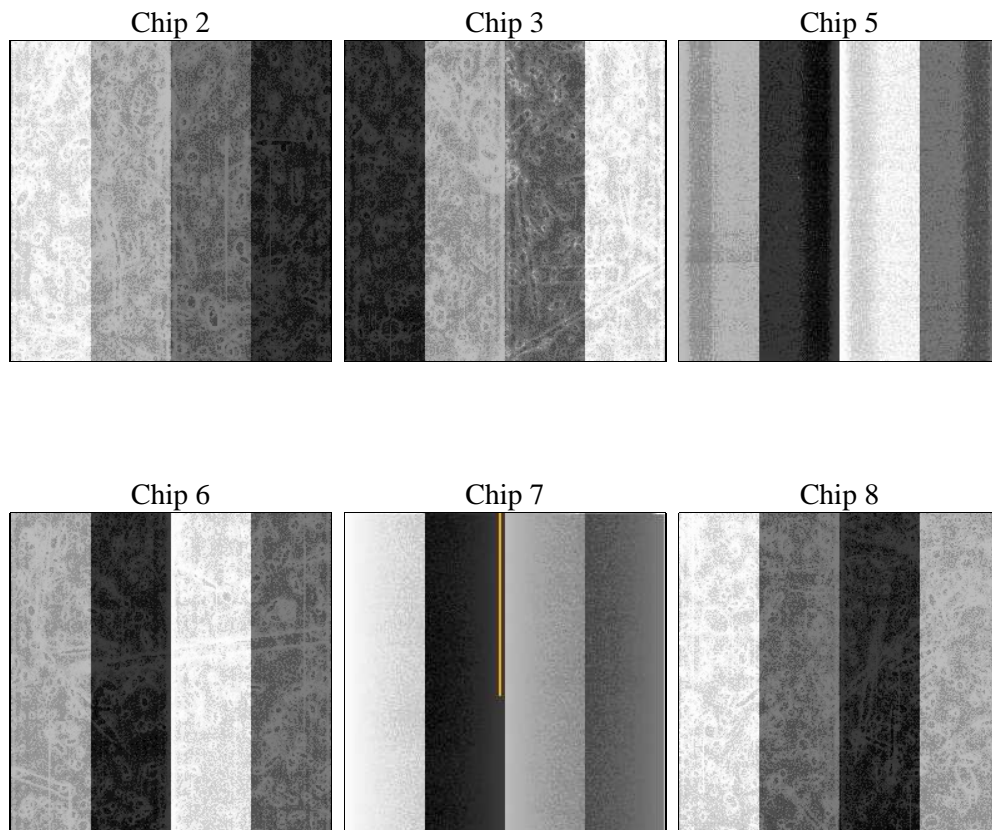
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39634.507000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39611.354160175	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	39608.154239938	Sum of GTIs [s]
date	2012-09-02T10:36:53	Date and time of file creation	ontime3	39601.508109525	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	39611.313120171	Sum of GTIs [s]
			ontime6	39611.272080183	Sum of GTIs [s]
			ontime7	39611.354160175	Sum of GTIs [s]
			ontime8	39607.949010029	Sum of GTIs [s]
			l1events	1806653	Number of level 1 events

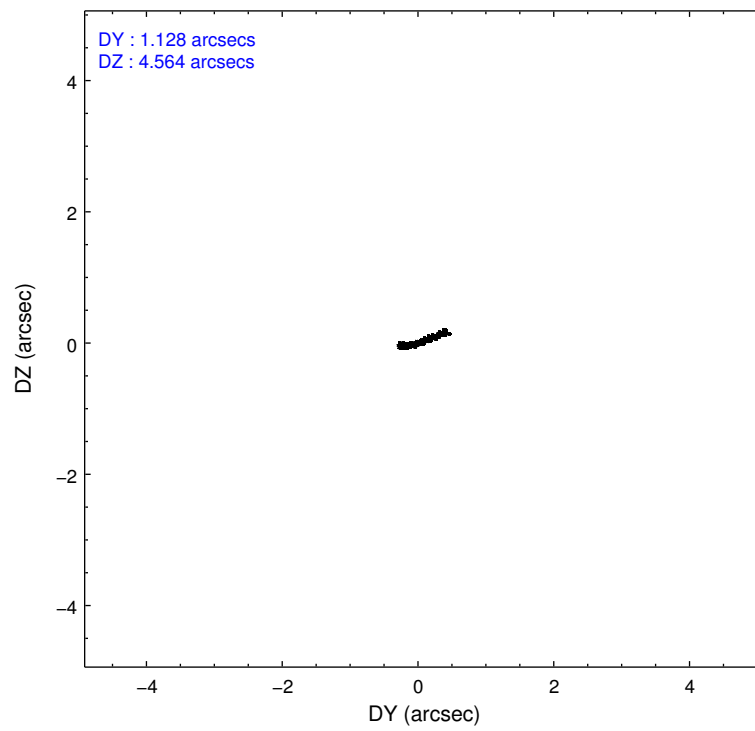
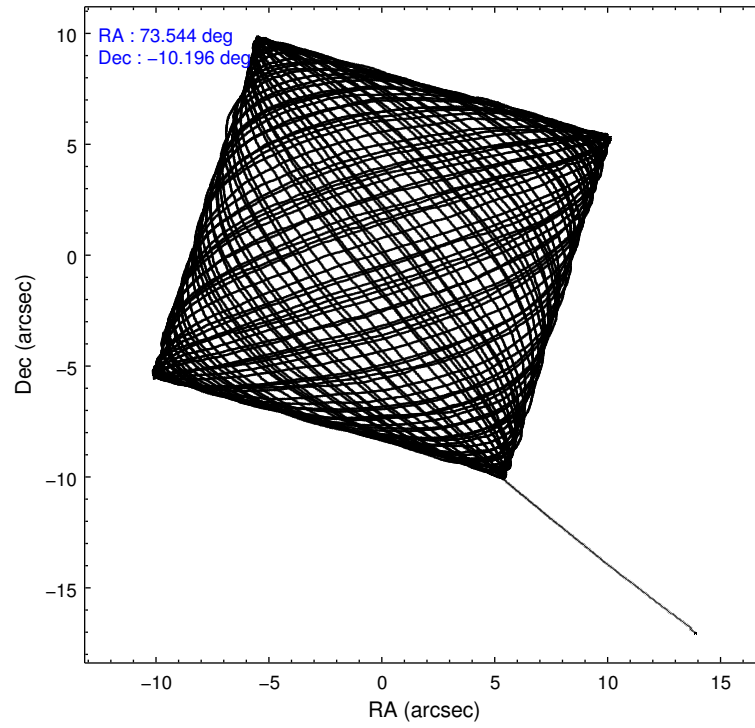
2.1.4 Events

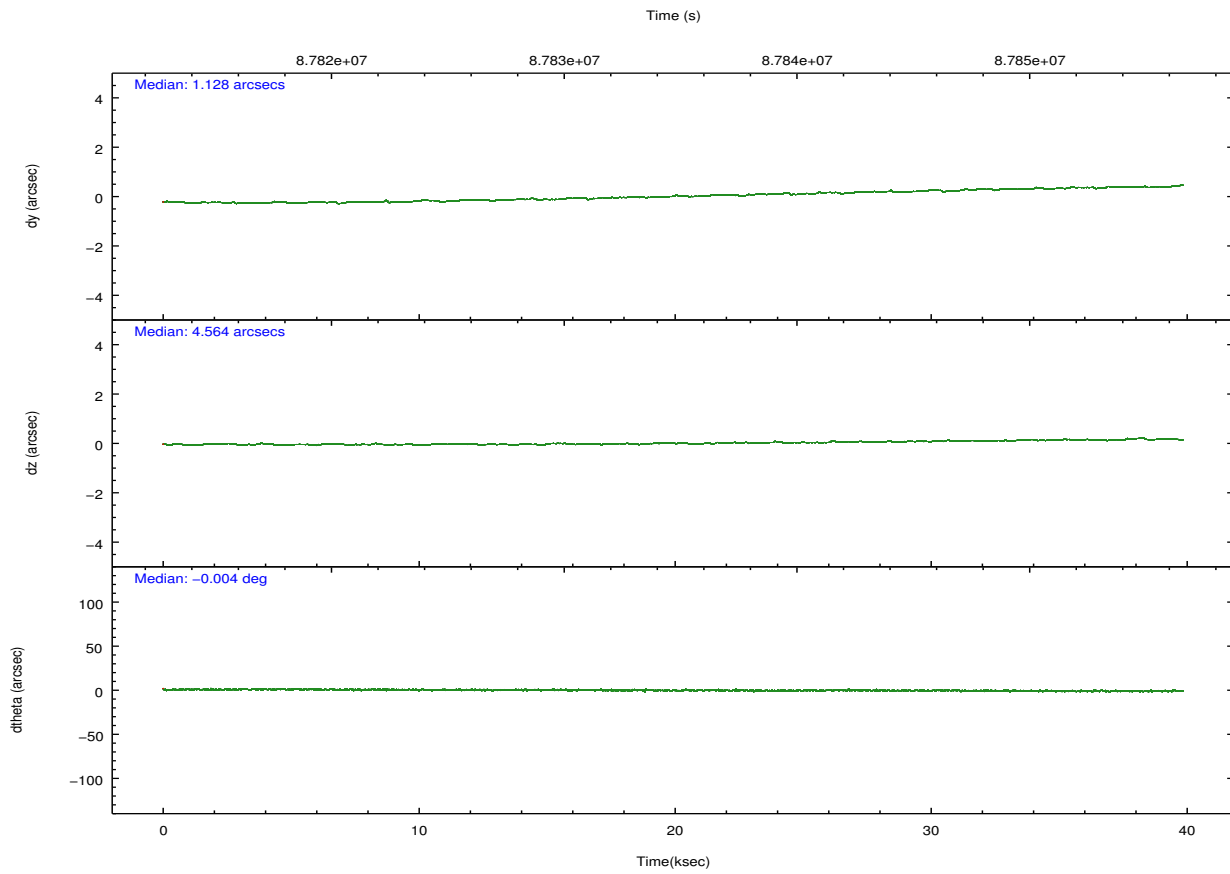
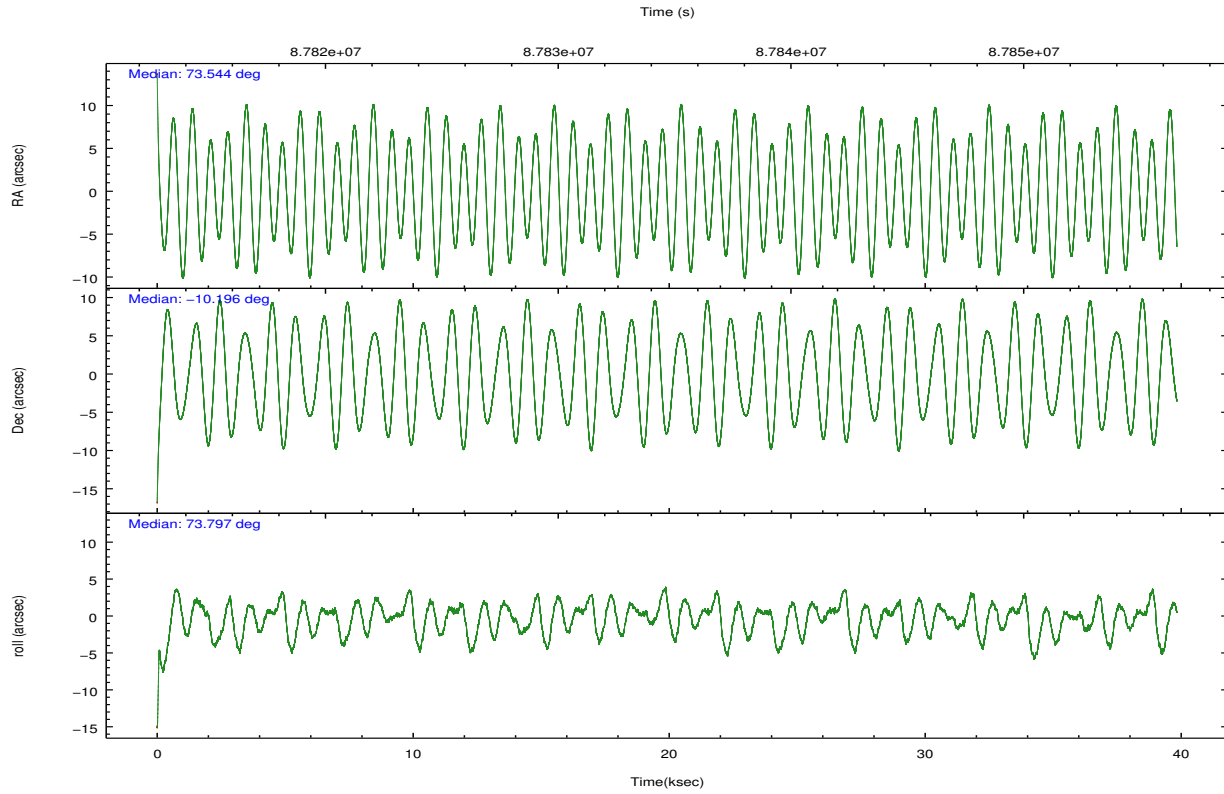
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	256386	245567	360345	276962	350857	316536	grade 0 events	13945	13845	32041	39858	27511	26234
rejected events	225103	214464	178087	218208	174642	244352		5%	5%	8%	14%	7%	8%
rejected %	87%	87%	49%	78%	49%	77%	grade 1 events	130	126	907	259	271	196
								0%	0%	0%	0%	0%	0%
							grade 2 events	6682	6823	55562	7188	36991	14810
								2%	2%	15%	2%	10%	4%
							grade 3 events	2627	2581	7581	2942	17207	7966
								1%	1%	2%	1%	4%	2%
							grade 4 events	2757	2662	7303	2831	16629	7274
								1%	1%	2%	1%	4%	2%
							grade 5 events	8041	8617	25020	9838	29046	12657
								3%	3%	6%	3%	8%	3%
							grade 6 events	5273	5193	79781	5940	77889	15903
								2%	2%	22%	2%	22%	5%
							grade 7 events	216931	205720	152150	208106	145313	231496
								84%	83%	42%	75%	41%	73%

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	73.550533	73.54371842670525	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.222922	-10.19639639426428	Alternating exposures requested	N	N
[deg] Pointing Roll	73.644890	73.80030951449663	[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)	87814958.184000	87813985.46440101			
Observation start date	2000-10-13T09:01:34	2000-10-13T08:46:25			
[s] Observation end time (MET)	87854593.184000	87855442.61596701			
Observation end date	2000-10-13T20:02:09	2000-10-13T20:17:22			
Read mode	TIMED	TIMED			

2.3 Aspect



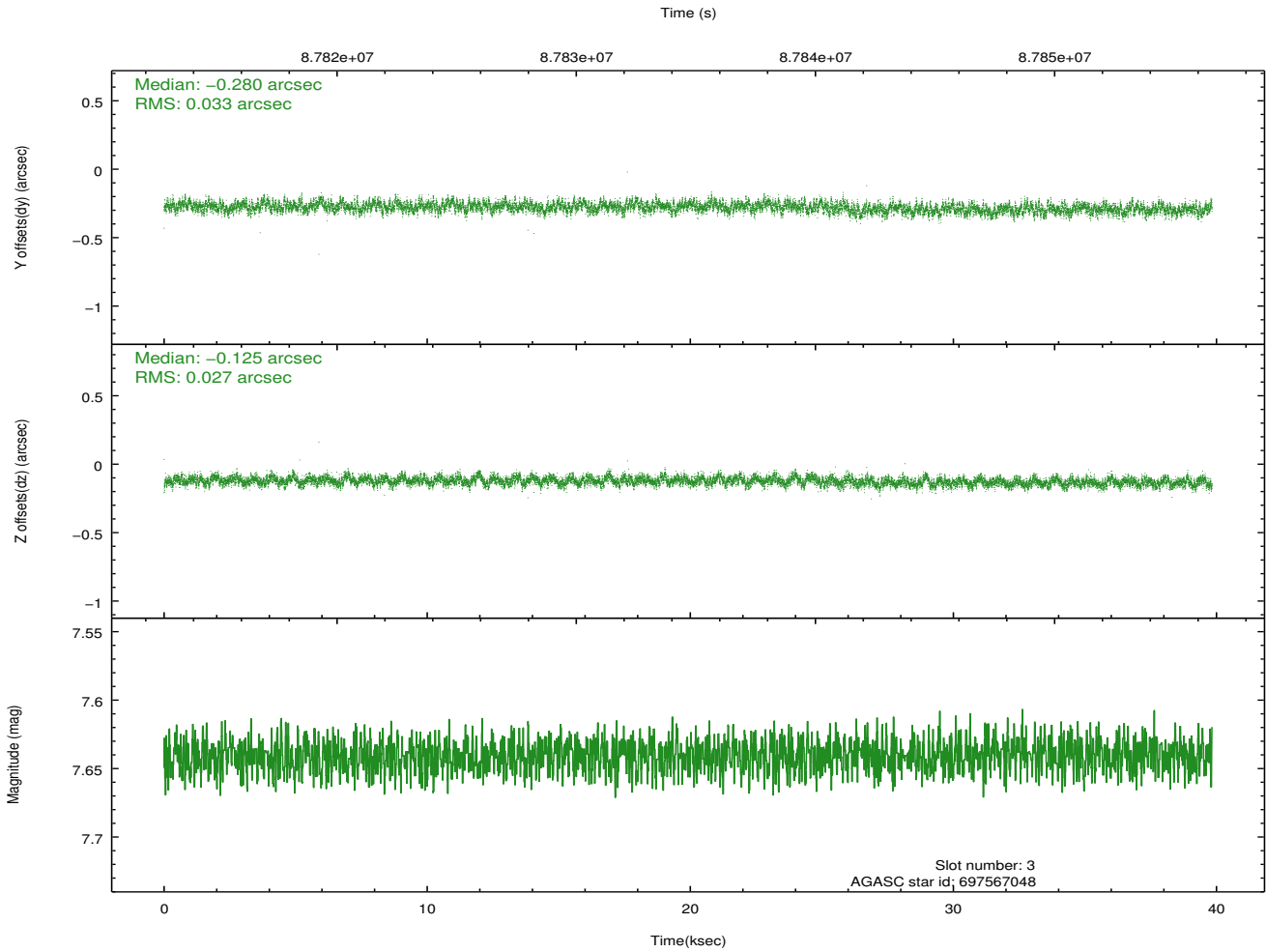
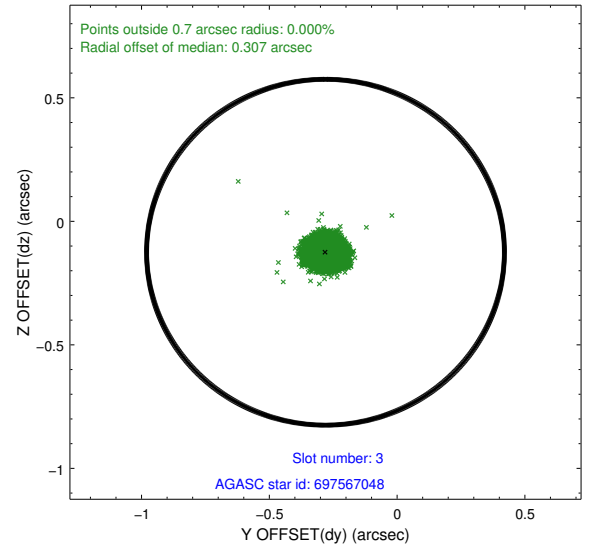
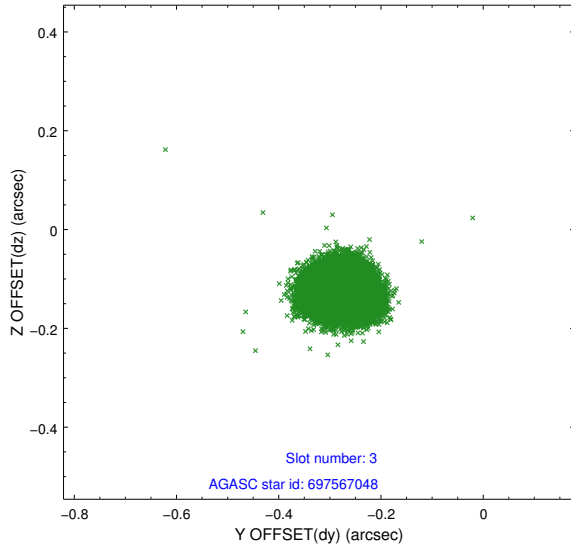


Slot Statistics

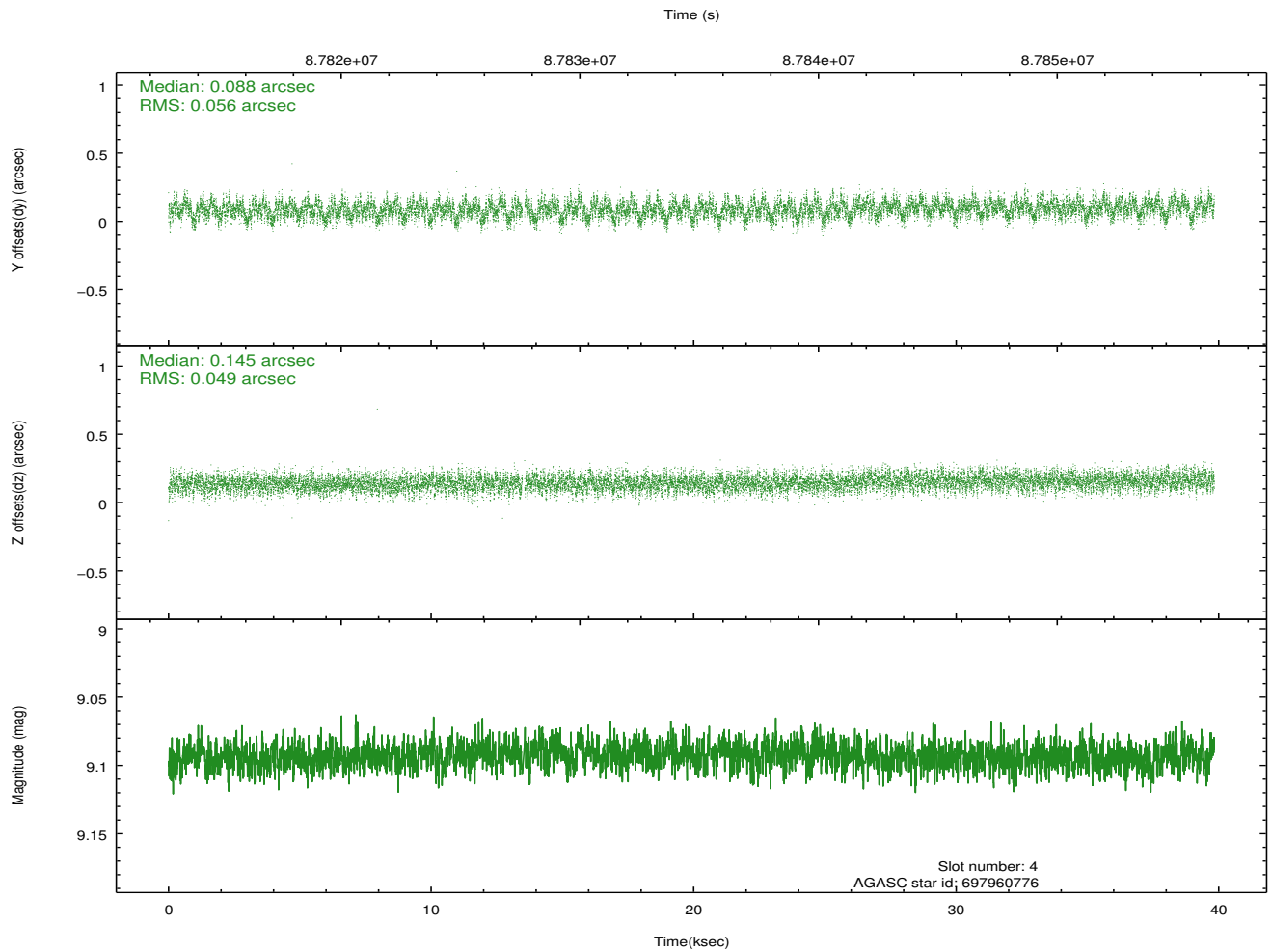
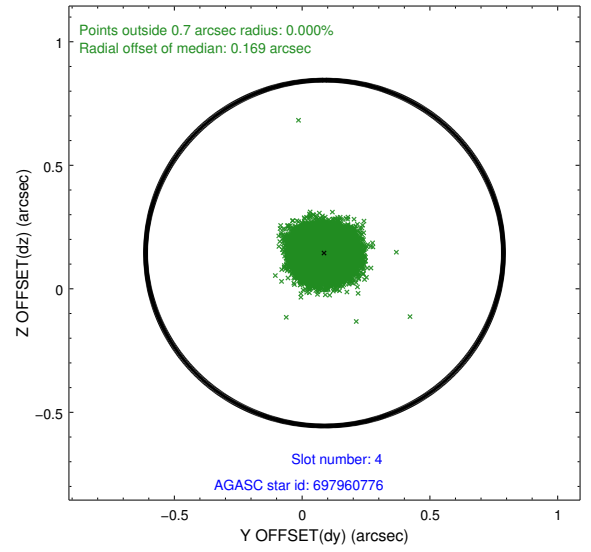
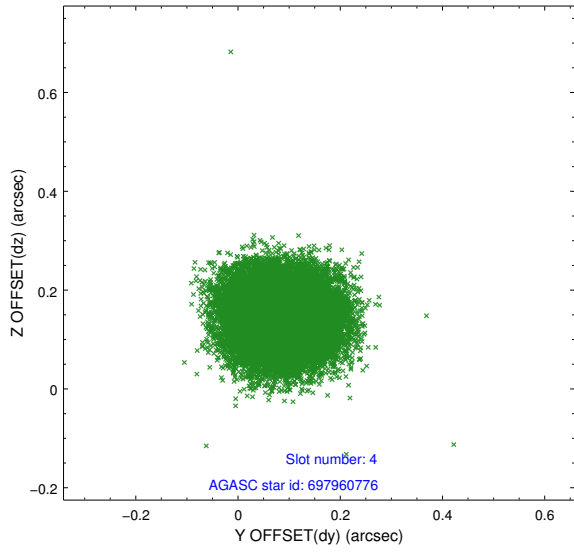
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9716	-0.048	-0.035	0.021	0.033	0.000000	0.000000	-753.78	-1725.72
1	FID	ACIS-S-4	7.21	9716	0.009	0.029	0.013	0.021	0.000000	0.000000	2159.53	182.81
2	FID	ACIS-S-6	7.36	9714	0.006	0.011	0.010	0.016	0.000000	0.000000	408.26	820.20
3	GUIDE	697567048	7.64	19428	-0.280	-0.125	0.046	0.073	73.270537	-9.556392	2021.65	1630.02
4	GUIDE	697960776	9.09	19381	0.088	0.145	0.080	0.126	73.893125	-10.882953	-1939.40	-1830.75
5	GUIDE	697961888	8.68	19425	0.072	0.049	0.063	0.100	73.697929	-10.615567	-1209.69	-898.01
6	GUIDE	697962056	9.92	19364	0.191	-0.045	0.124	0.195	73.181727	-10.524751	-1410.98	946.82
7	GUIDE	697569384	9.65	19422	-0.068	-0.024	0.090	0.148	73.412714	-9.650636	1838.72	1050.23

2.4 Star Slots

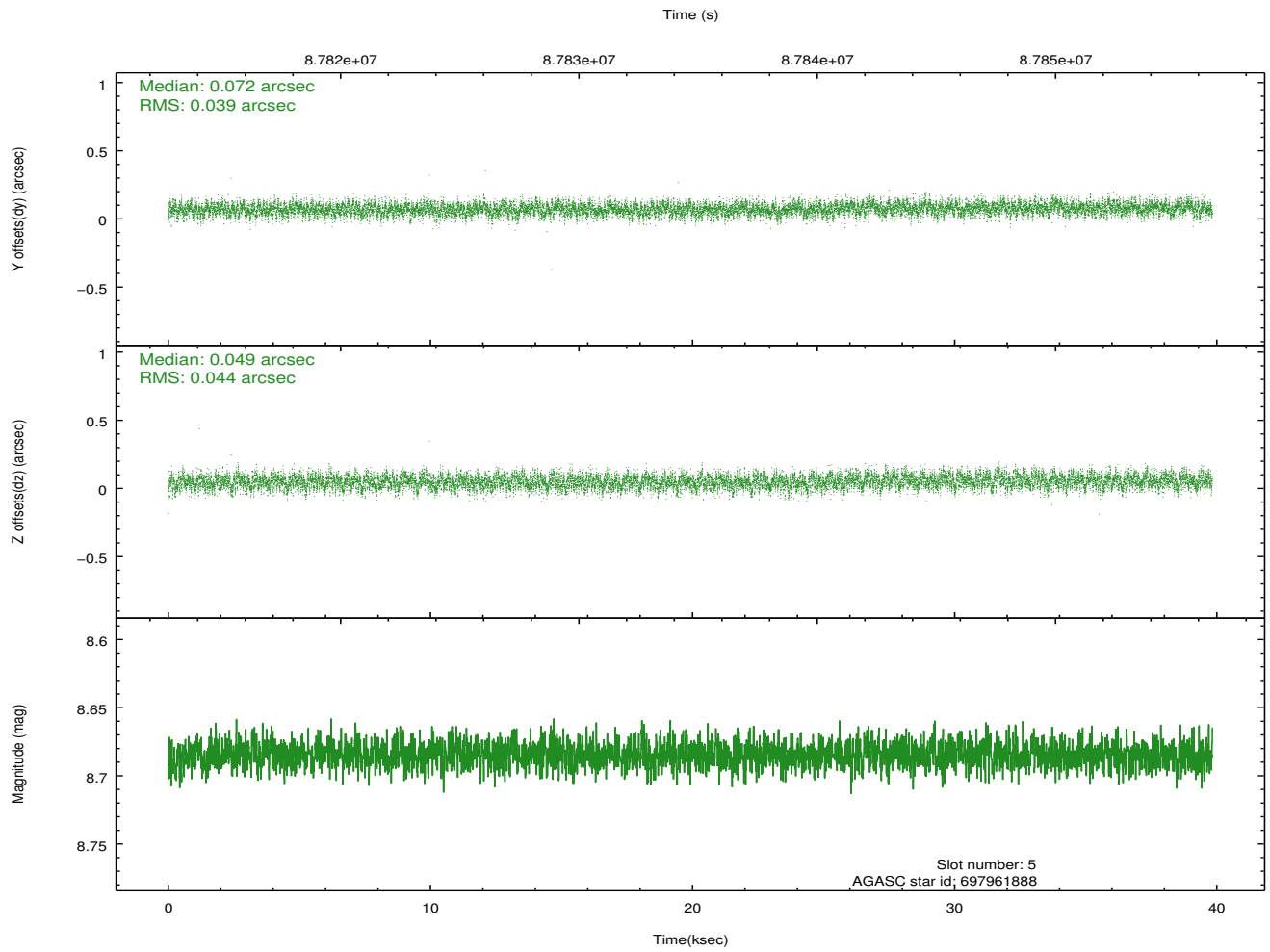
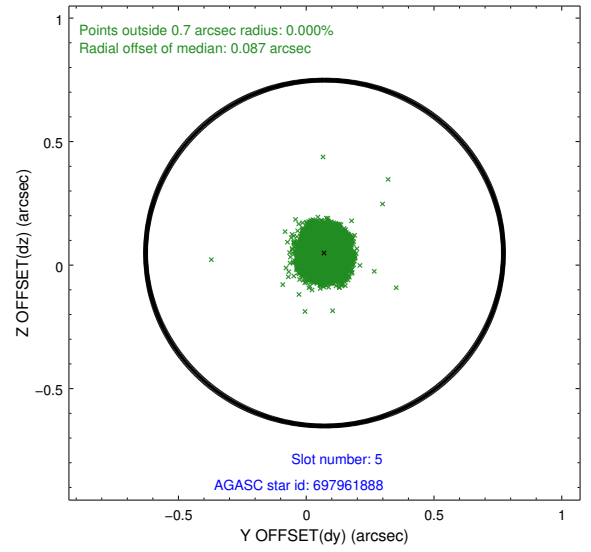
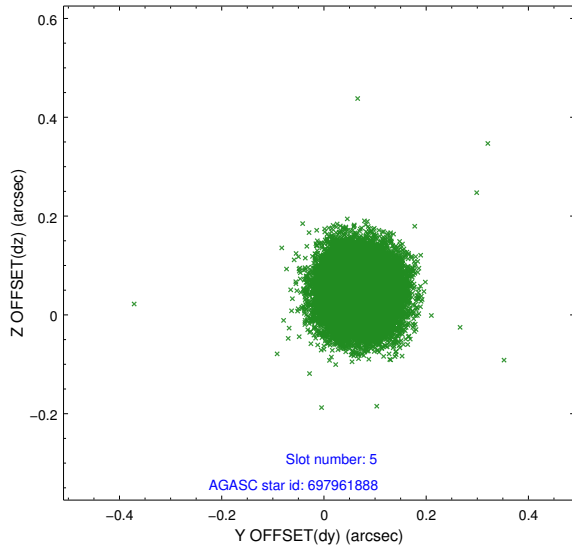
2.4.1 Slot 3



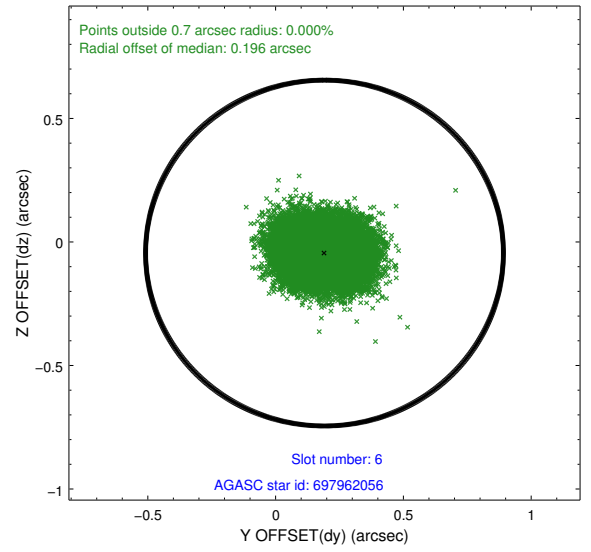
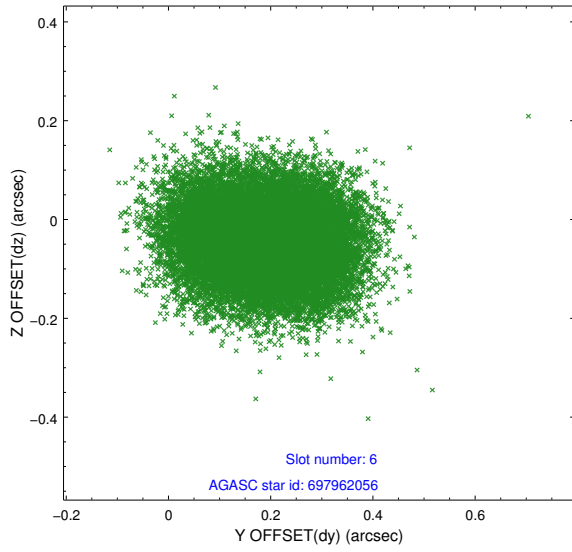
2.4.2 Slot 4



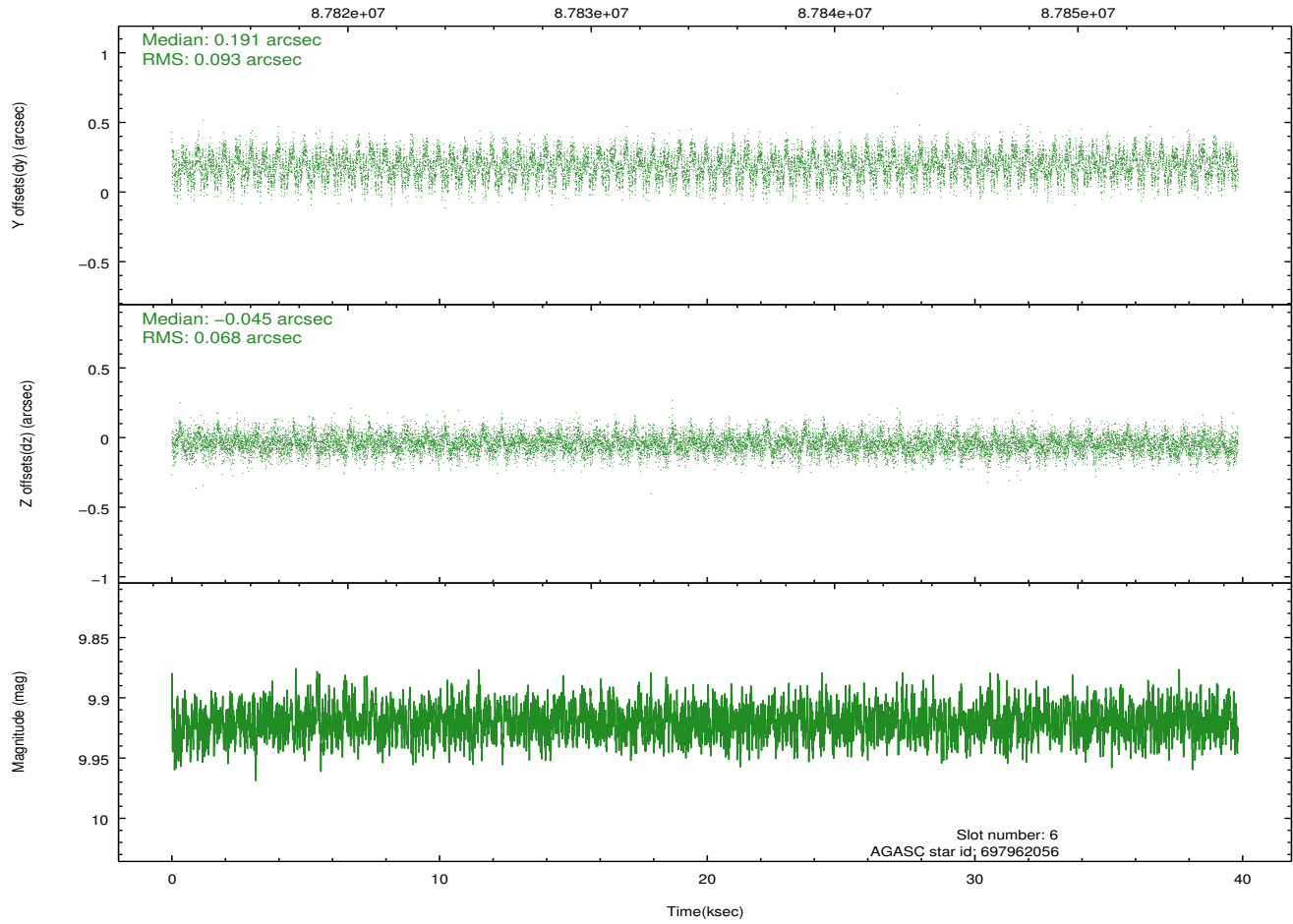
2.4.3 Slot 5



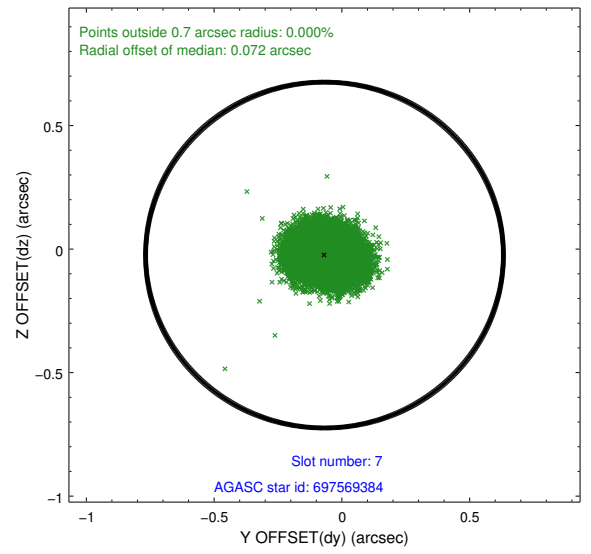
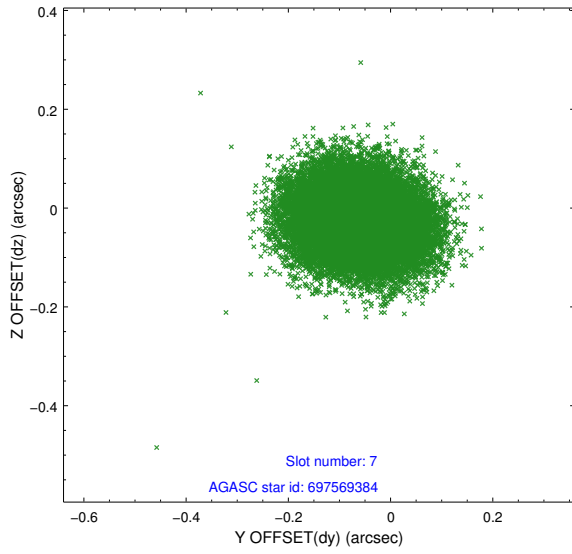
2.4.4 Slot 6



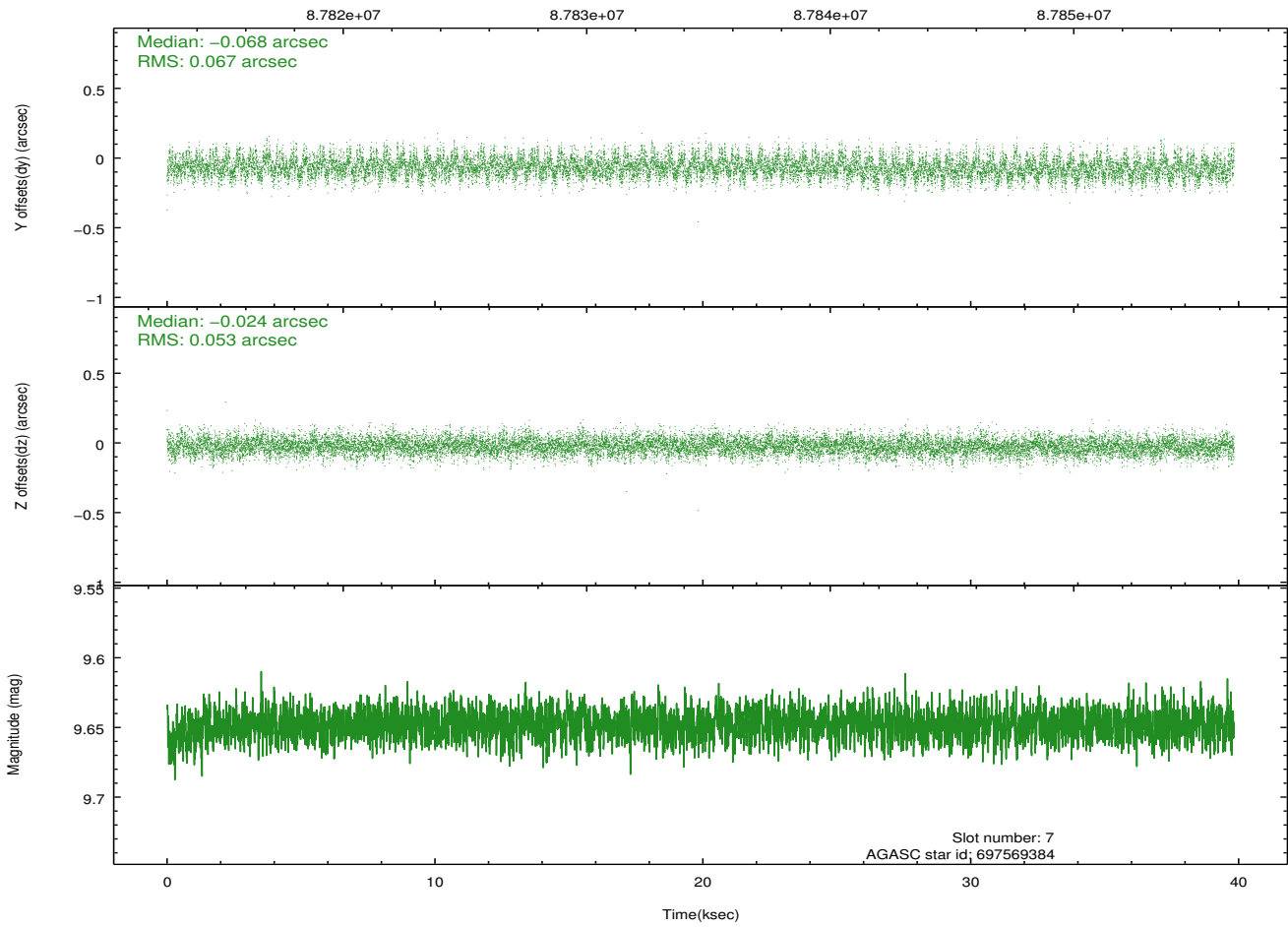
Time (s)



2.4.5 Slot 7

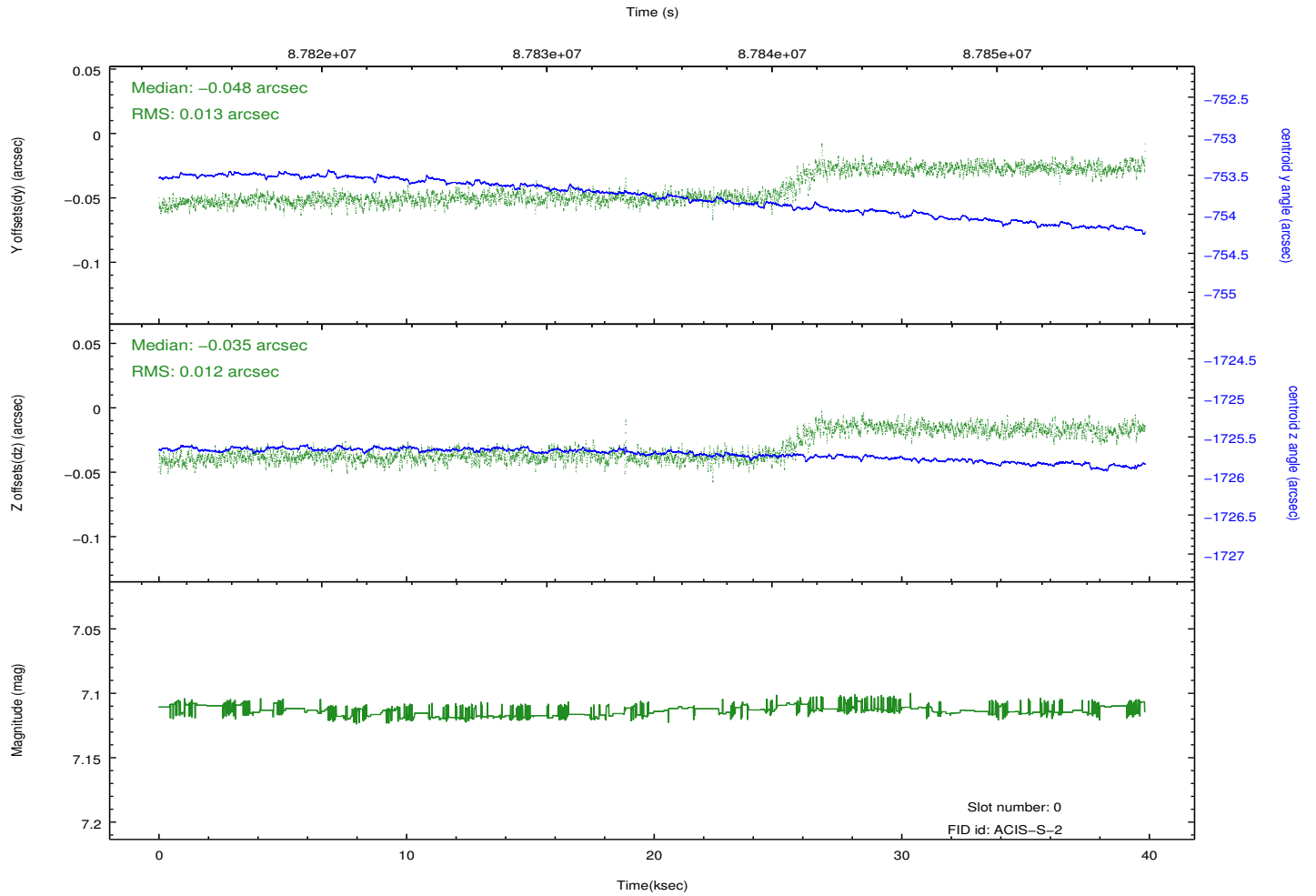
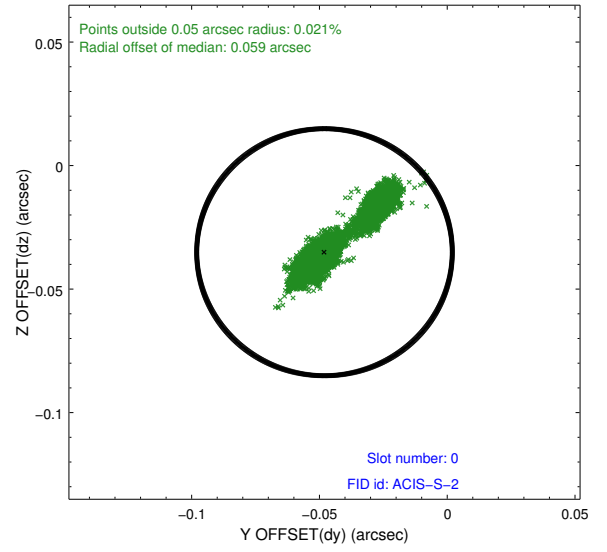
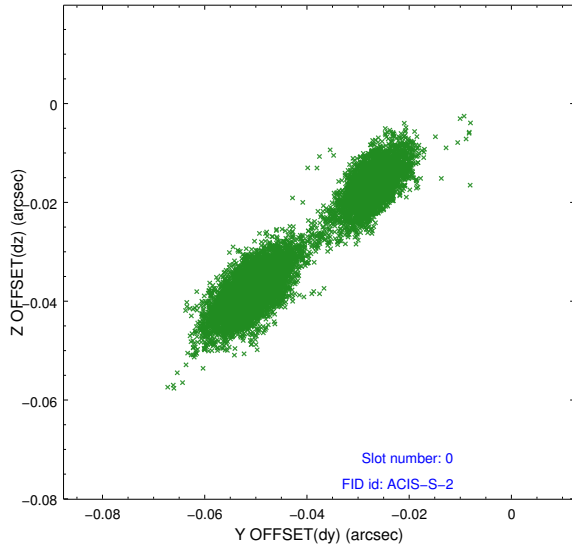


Time (s)

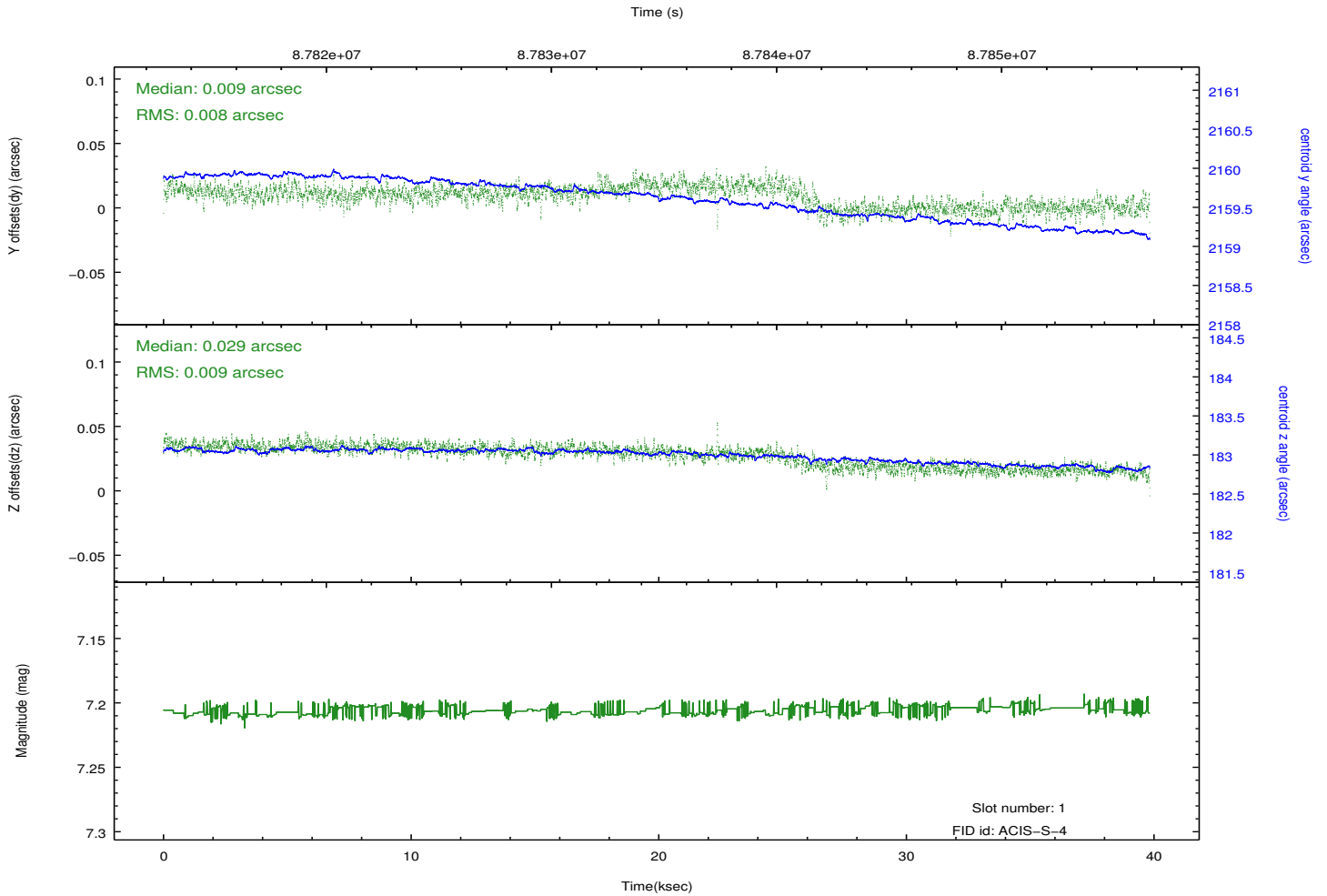
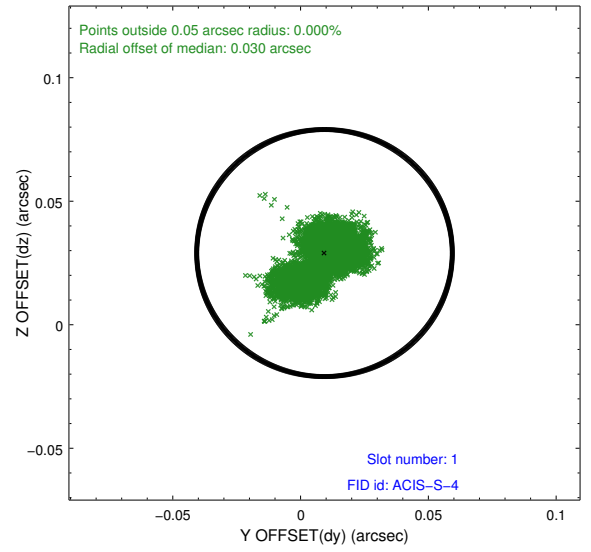
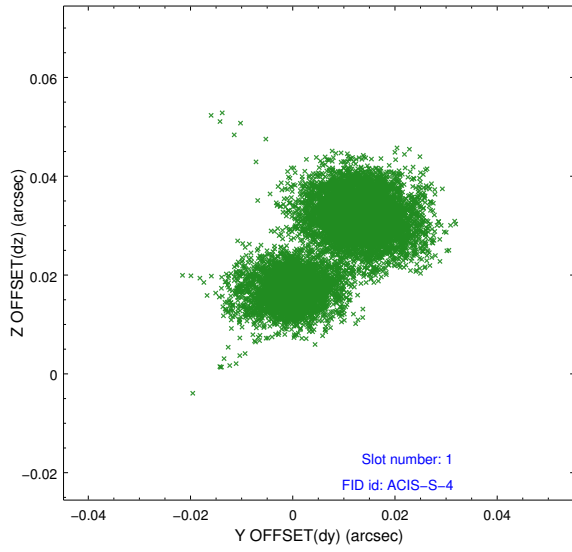


2.5 FID Slots

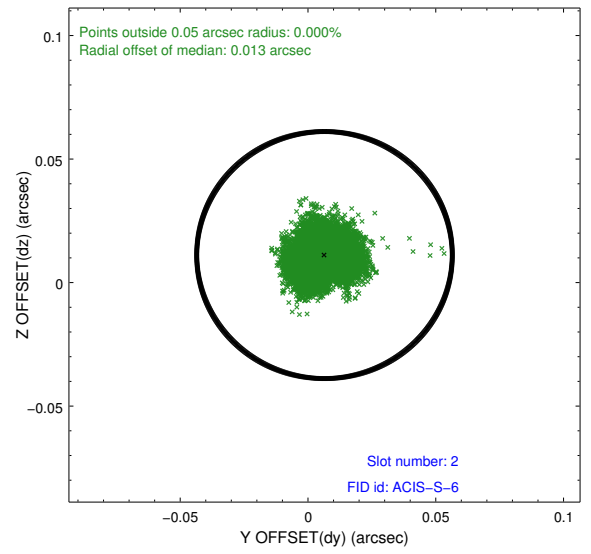
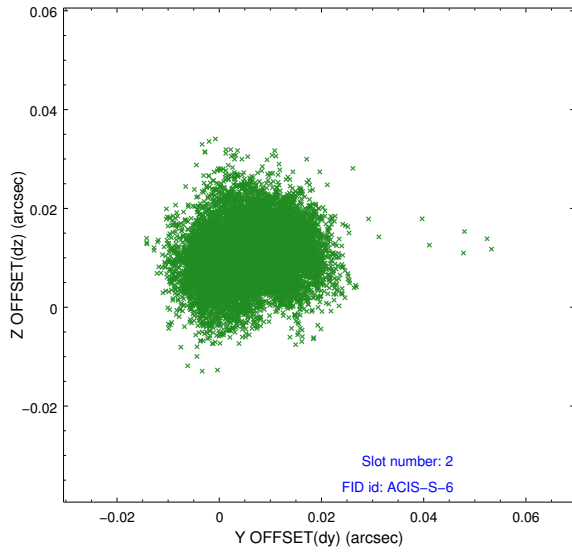
2.5.1 Slot 0



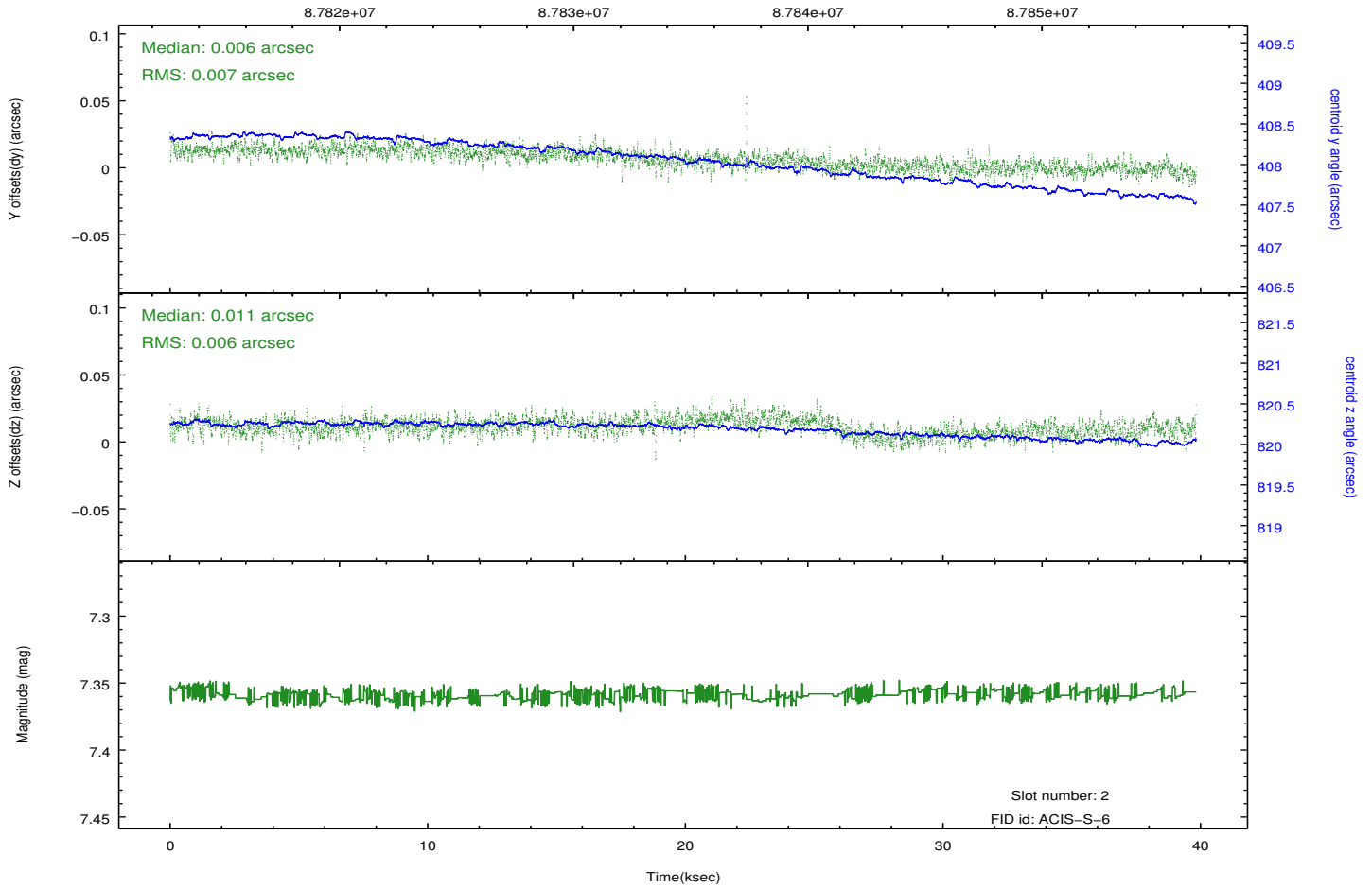
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.612

A.2 Comments