

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13923 - L2 Version 2
Chandra X-Ray Center

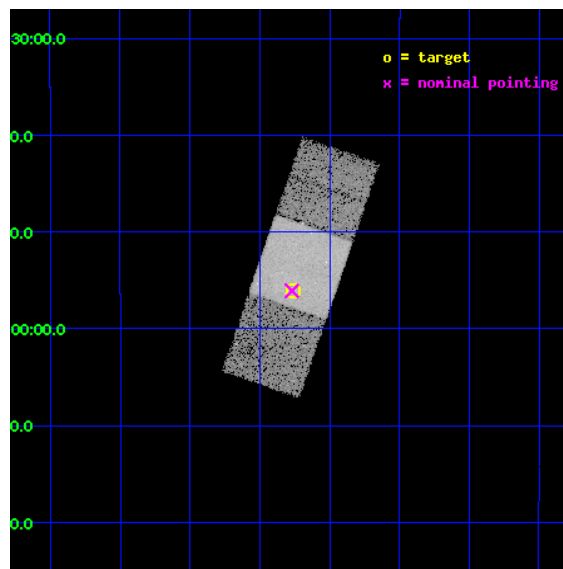
L2 Processing Date : Feb 26 2012

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

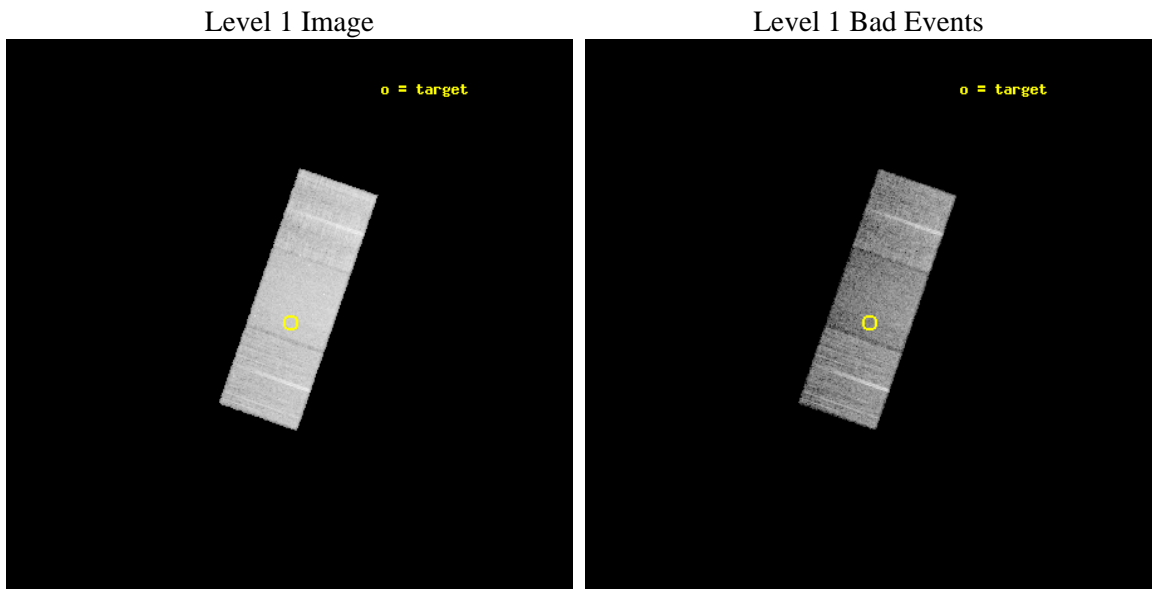
seq_num	702647	Sequence number
obs_id	13923	Observation id
title	Dawn of a quasar: the exceptional variability of IRAS 00397-1312	P
observer	Dr Guido Risaliti	Principal investigator
object	IRAS 00397-1312	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.564583	Observer's specified target RA [deg]
dec_targ	-12.934167	Observer's specified target Dec [deg]
ra_nom	10.567627479473	Nominal RA [deg]
dec_nom	-12.934892160731	Nominal Dec [deg]
roll_nom	289.15729955164	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15059.800115824	Sum of GTIs [s]
livetime	14863.032740447	Livetime [s]
ontime6	15059.800115824	Sum of GTIs [s]
ontime7	15059.800115824	Sum of GTIs [s]
ontime8	15059.800115824	Sum of GTIs [s]
l2events	70989	Number of level 2 events



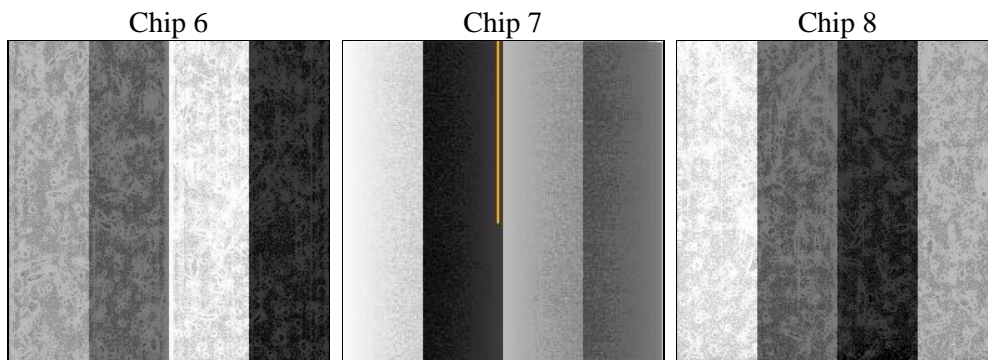
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	15059.800115824	Sum of GTIs [s]
caldbver	4.4.8	 	ontime6	15059.800115824	Sum of GTIs [s]
date	2012-02-26T15:42:29	Date and time of file creation	ontime7	15059.800115824	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	15059.800115824	Sum of GTIs [s]
			l1events	329576	Number of level 1 events

2.1.4 Events

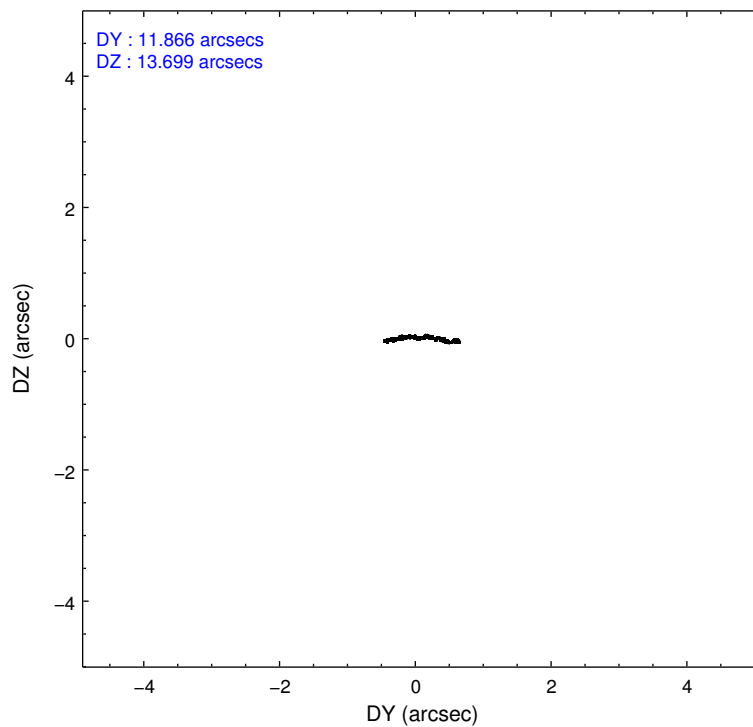
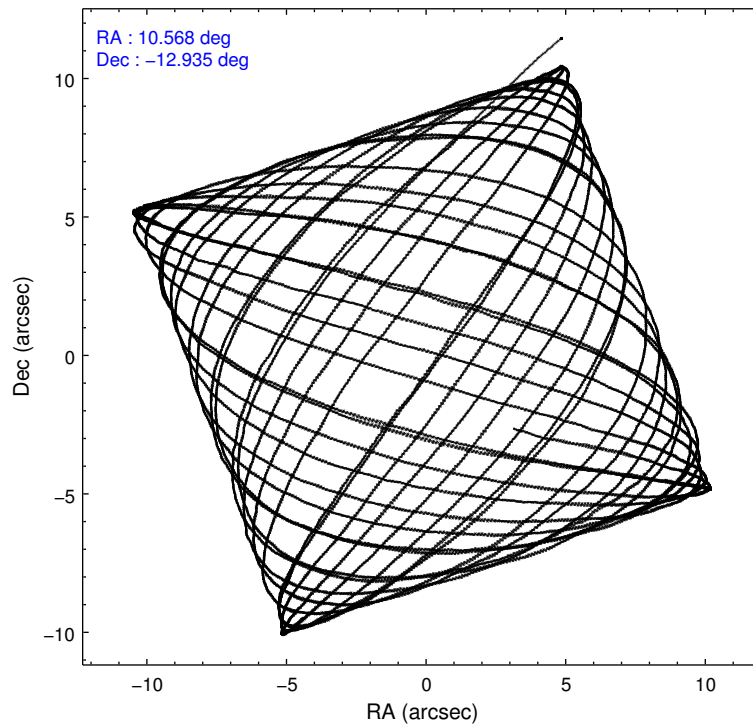
	ccd 6	ccd 7	ccd 8
level 1 events	92564	118443	118569
rejected events	81827	65714	87954
rejected %	88%	55%	74%

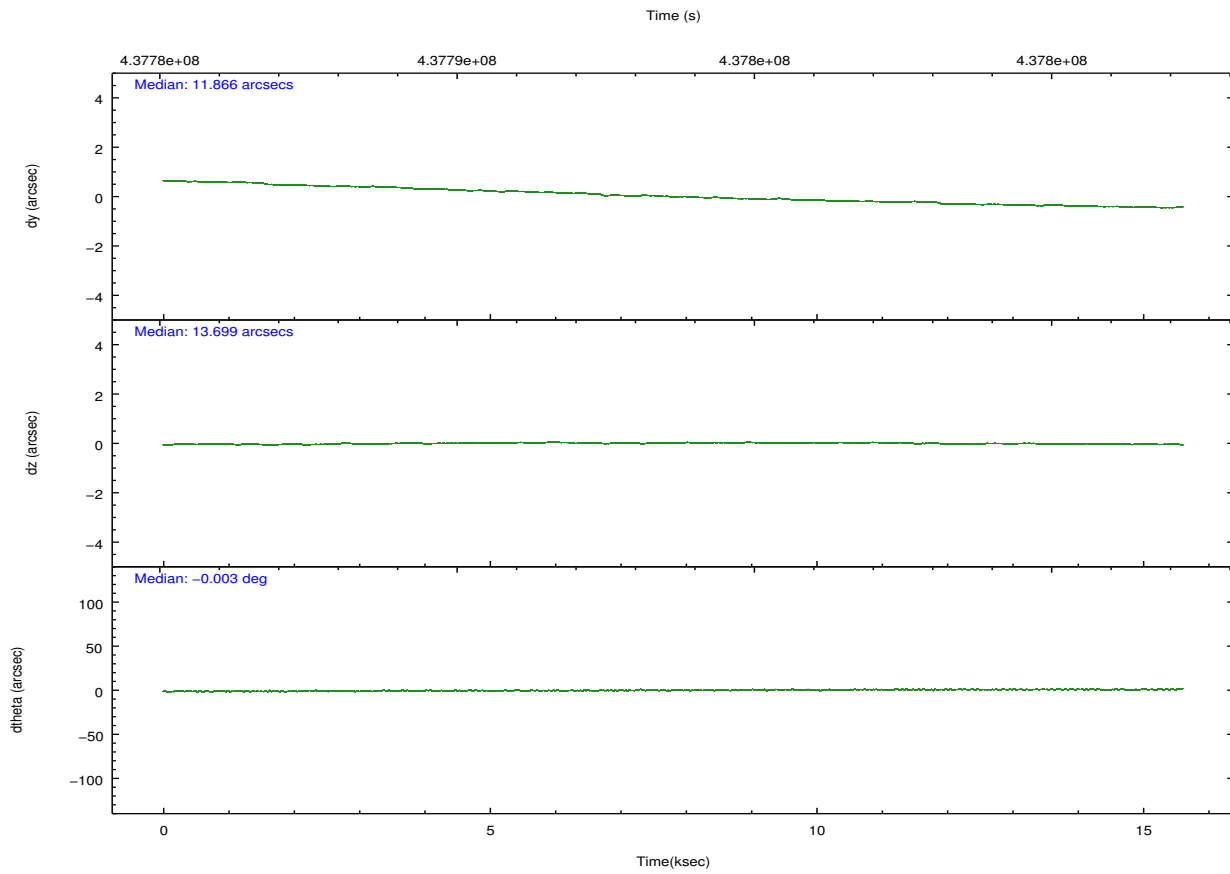
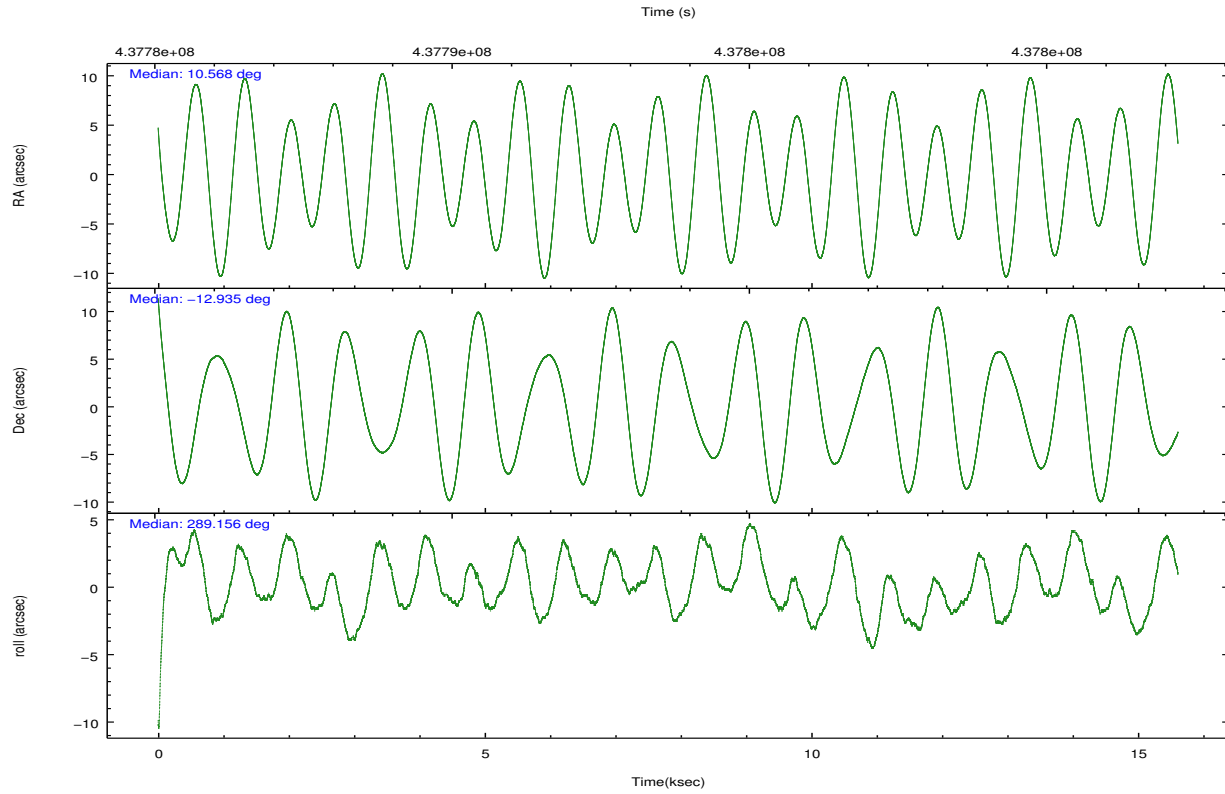
	ccd 6	ccd 7	ccd 8
grade 0 events	3639	4846	8872
	3%	4%	7%
grade 1 events	48	139	78
	0%	0%	0%
grade 2 events	2403	10596	7207
	2%	8%	6%
grade 3 events	1150	4632	3372
	1%	3%	2%
grade 4 events	1127	4513	3144
	1%	3%	2%
grade 5 events	4462	12265	6643
	4%	10%	5%
grade 6 events	2418	28156	8023
	2%	23%	6%
grade 7 events	77317	53296	81230
	83%	44%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	10.546136	10.5676274794732	CCD I2 on	N	N
[deg] Pointing Dec	-12.917262	-12.93489216073054	CCD I3 on	N	N
[deg] Pointing Roll	288.995873	289.1572995516363	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	O1	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	O2	Y
[s] Observation start time (MET)	437786426.184000	437785283.736	CCD S5 on	N	N
Observation start date	2011-11-15T23:19:20	2011-11-15T23:01:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	437801426.184000	437802688.23691	On-chip summing requested	N	N
Observation end date	2011-11-16T03:29:20	2011-11-16T03:51:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



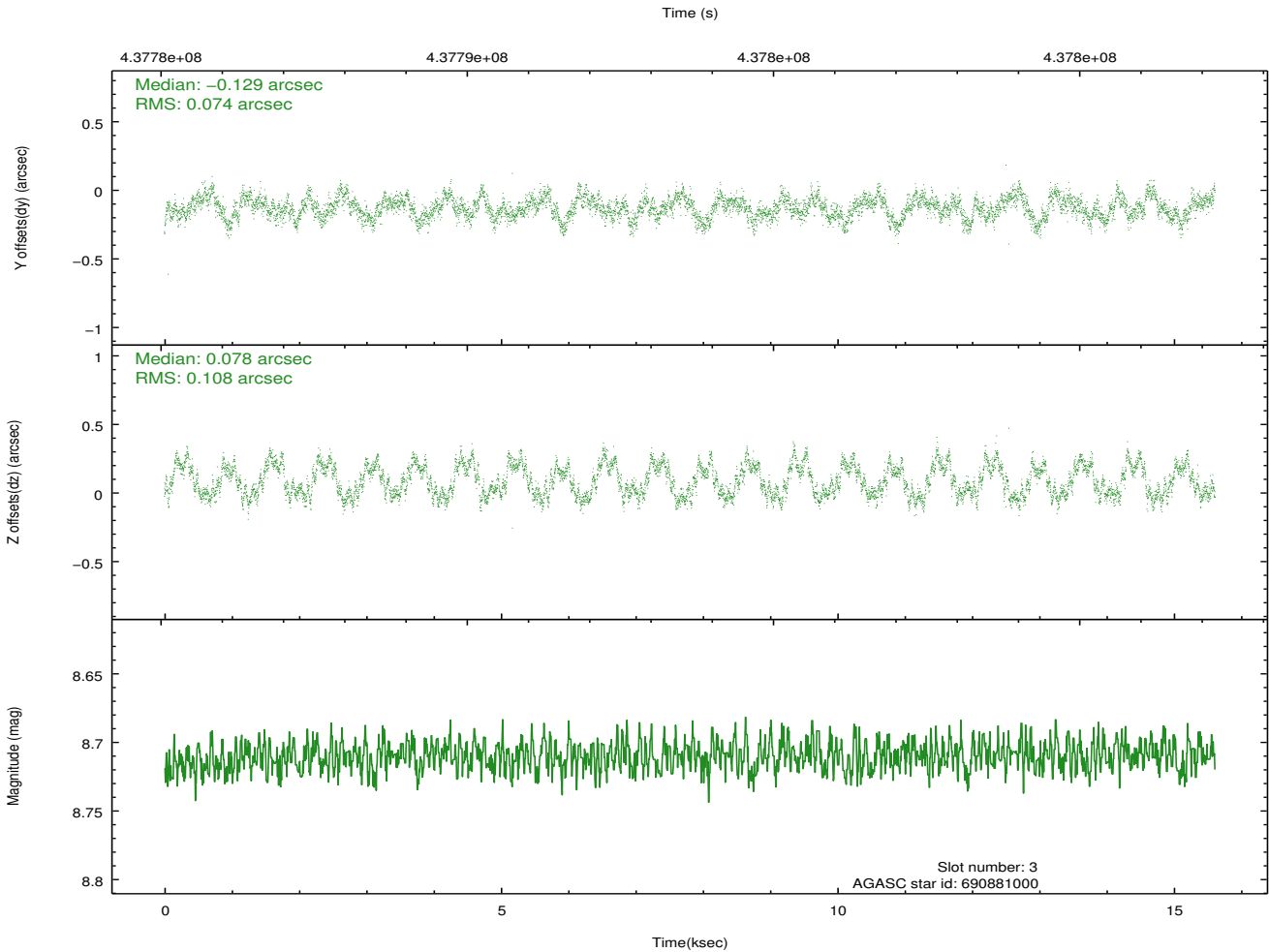
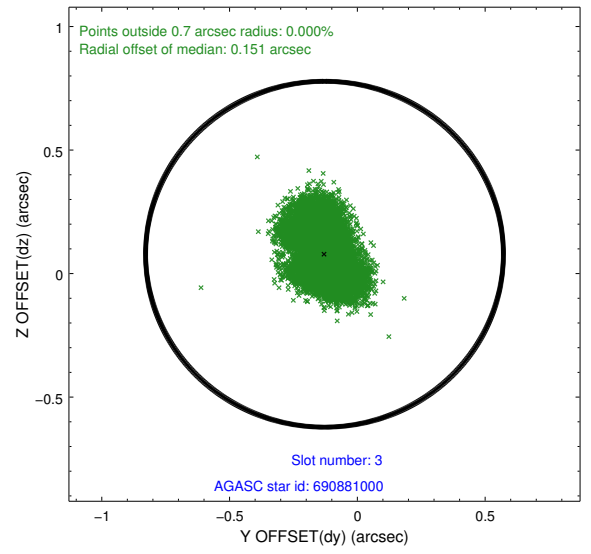
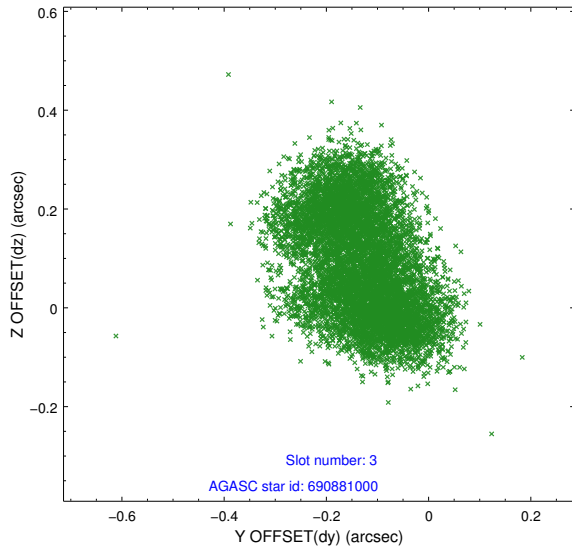


Slot Statistics

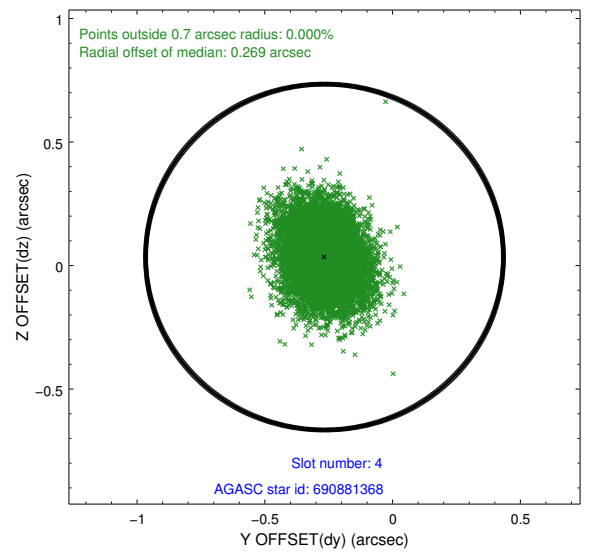
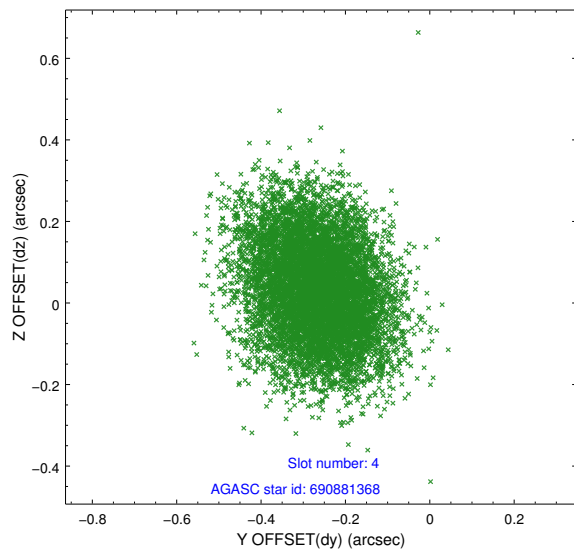
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	3808	-0.051	-0.054	0.009	0.013	0.000000	0.000000	-764.86	-1735.09
1	FID	ACIS-S-4	7.07	3808	0.199	0.039	0.006	0.010	0.000000	0.000000	2148.56	173.17
2	FID	ACIS-S-5	7.11	3808	-0.178	0.023	0.009	0.016	0.000000	0.000000	-1817.45	167.18
3	GUIDE	690881000	8.71	7608	-0.129	0.078	0.146	0.212	10.369276	-12.690399	-973.94	-321.17
4	GUIDE	690881368	10.06	7600	-0.267	0.034	0.155	0.248	9.809999	-12.524983	-2173.64	-1987.71
5	GUIDE	690881632	7.73	7615	-0.136	0.015	0.068	0.109	11.115356	-13.415818	2348.63	1300.46
6	GUIDE	690890208	9.75	7611	0.543	-0.085	0.146	0.240	10.395645	-13.653111	2334.90	-1359.99
7	GUIDE	690894896	8.26	7615	-0.016	-0.053	0.068	0.108	9.984413	-13.079708	-85.35	-2053.83

2.4 Star Slots

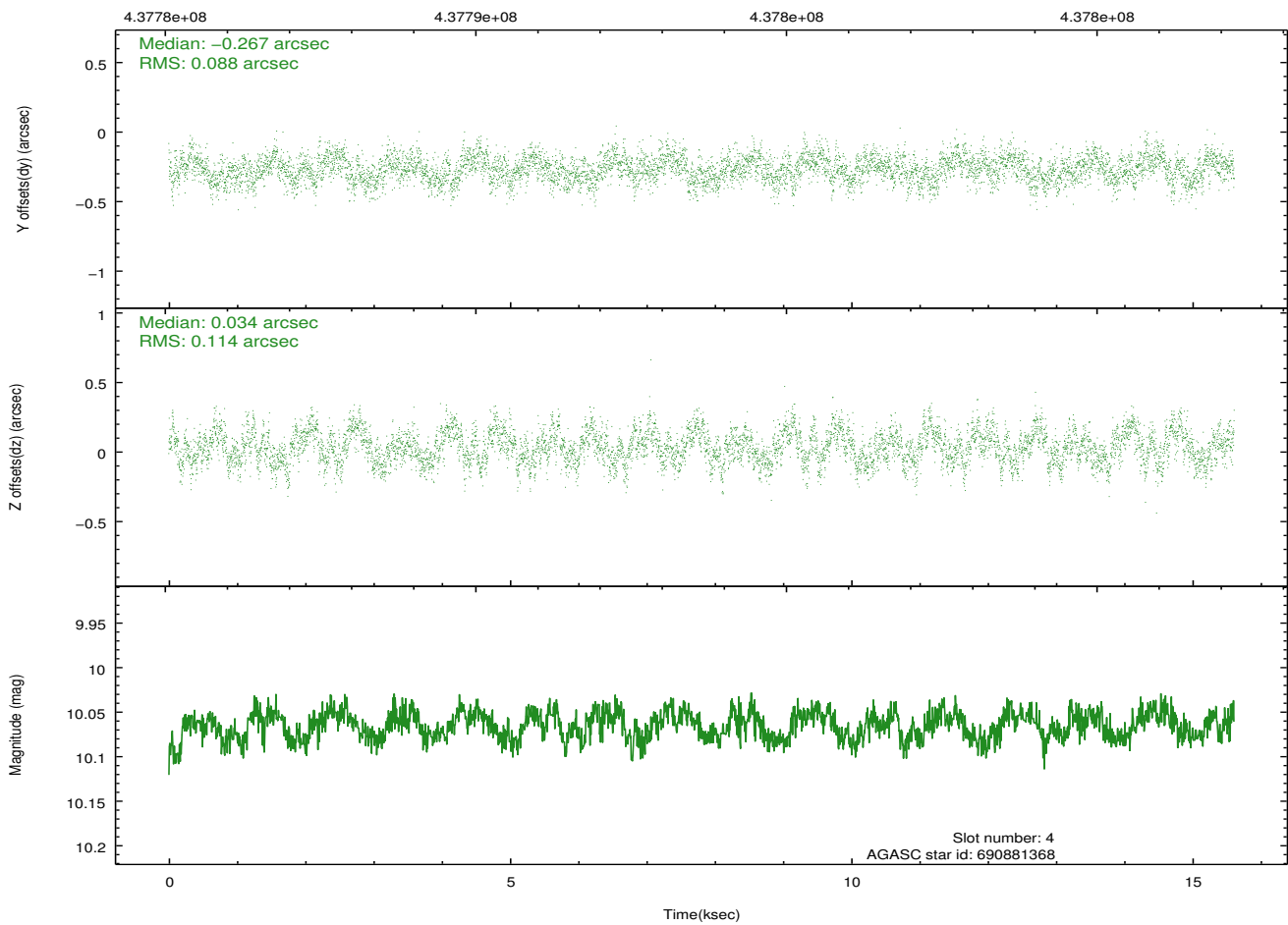
2.4.1 Slot 3



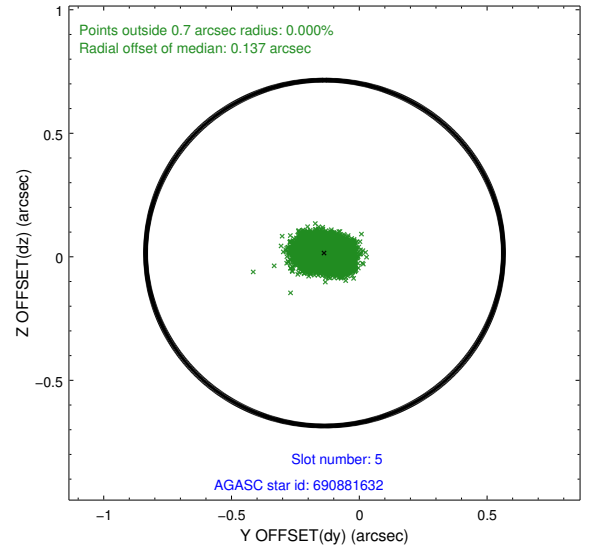
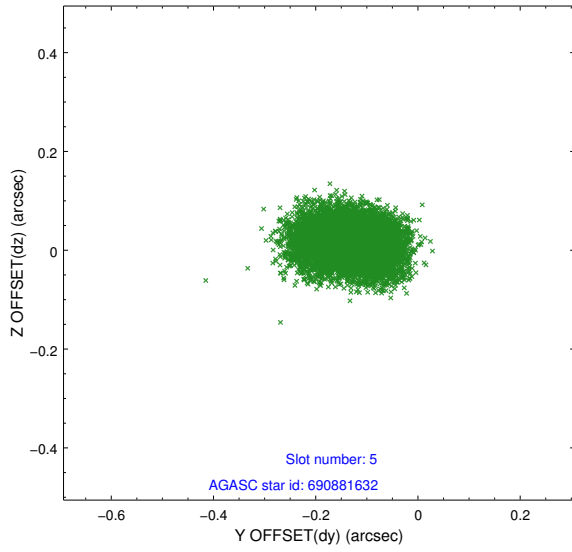
2.4.2 Slot 4



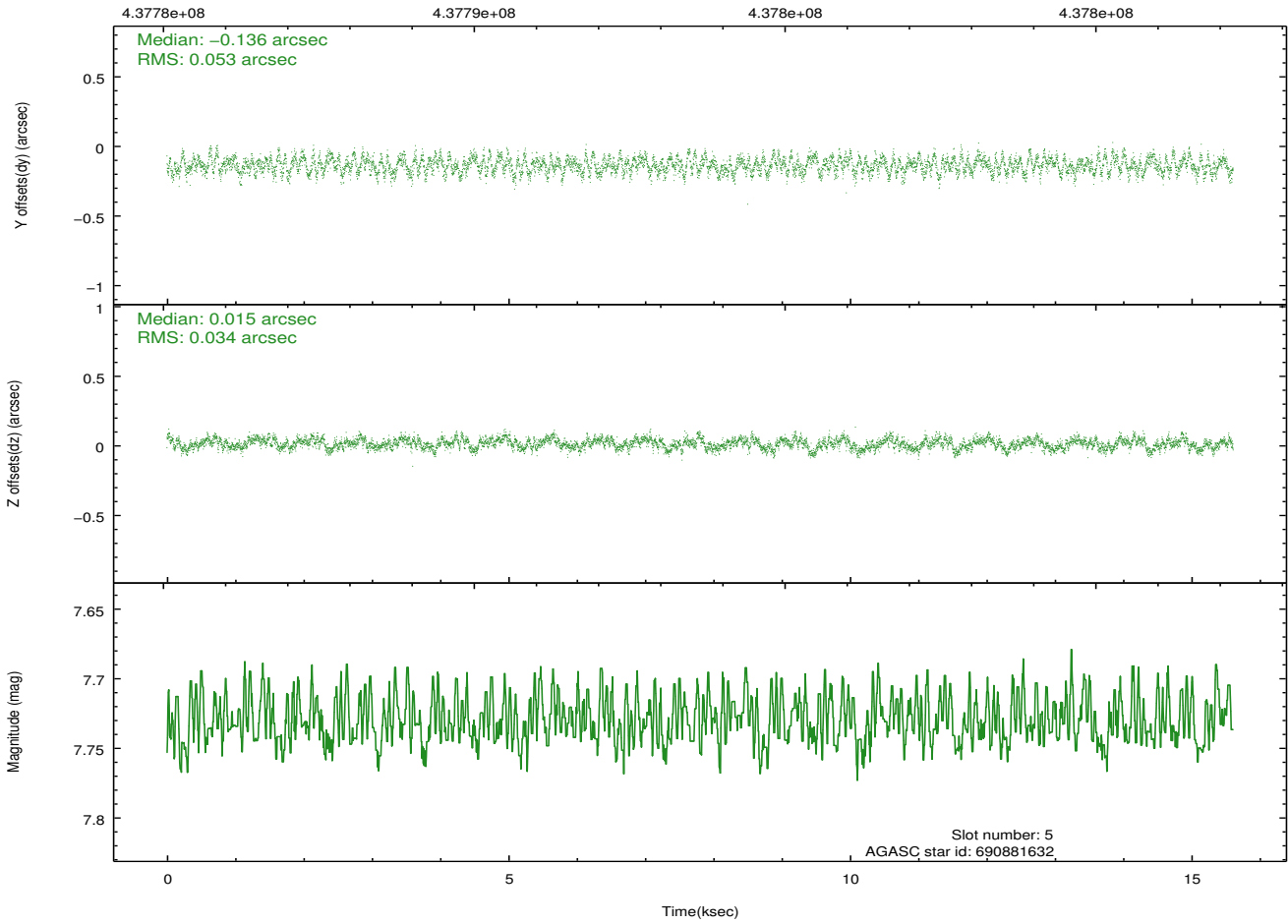
Time (s)



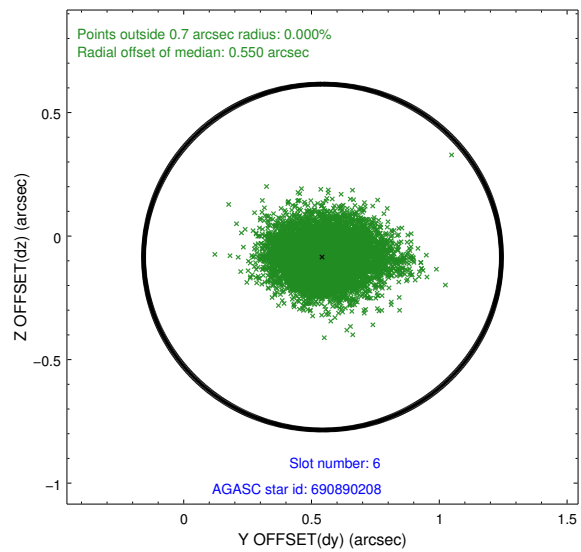
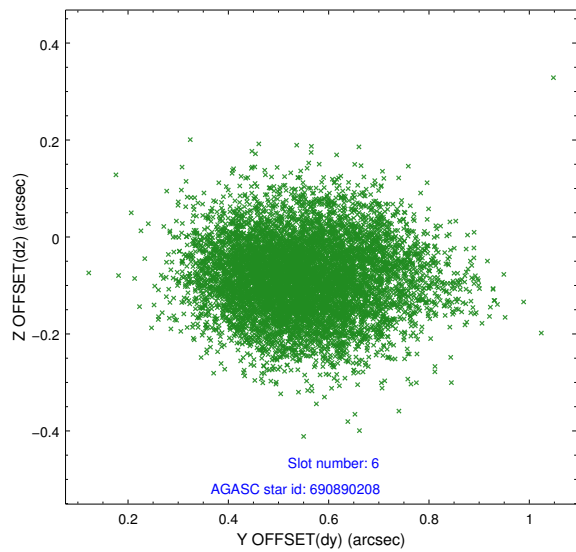
2.4.3 Slot 5



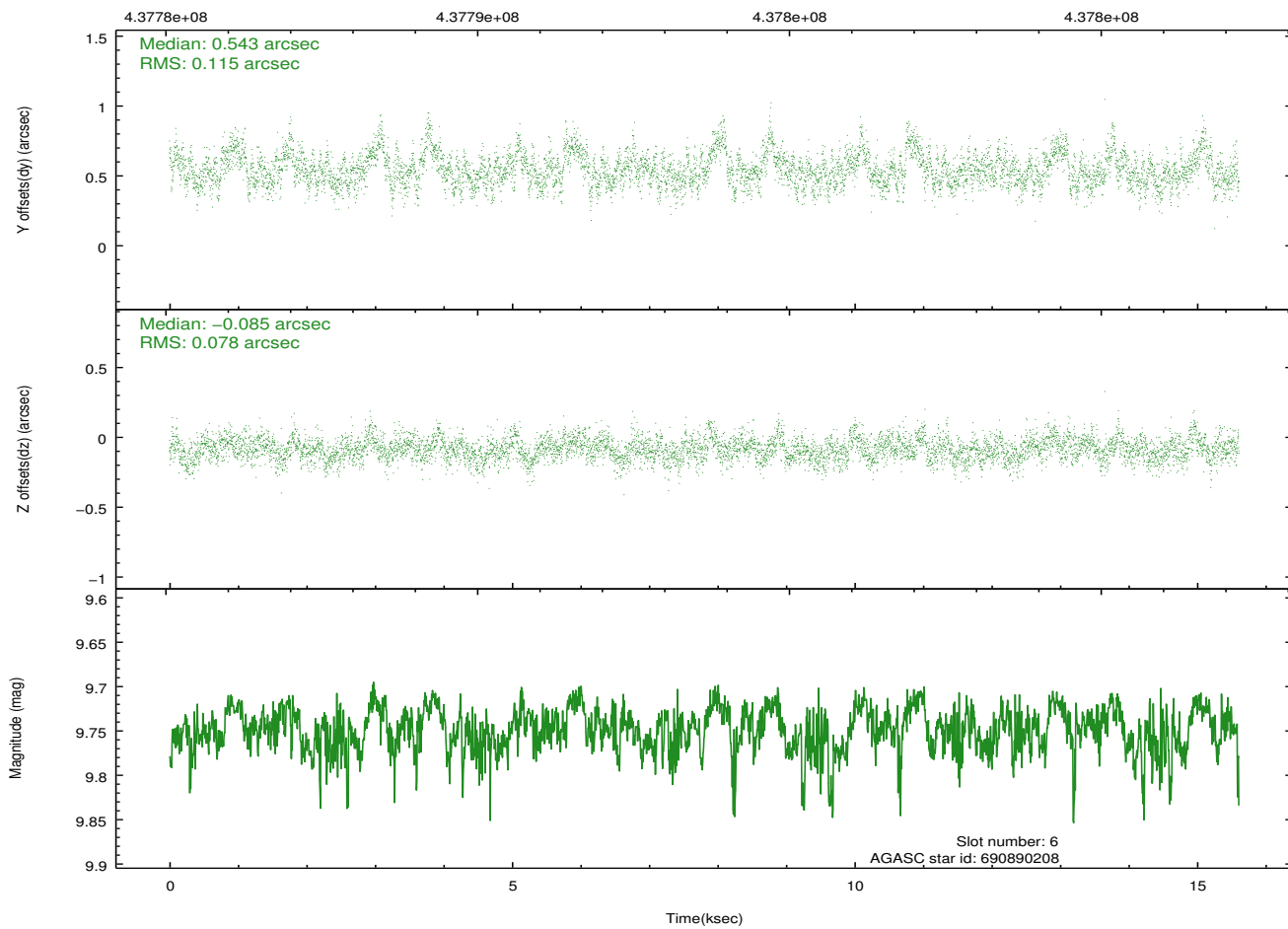
Time (s)



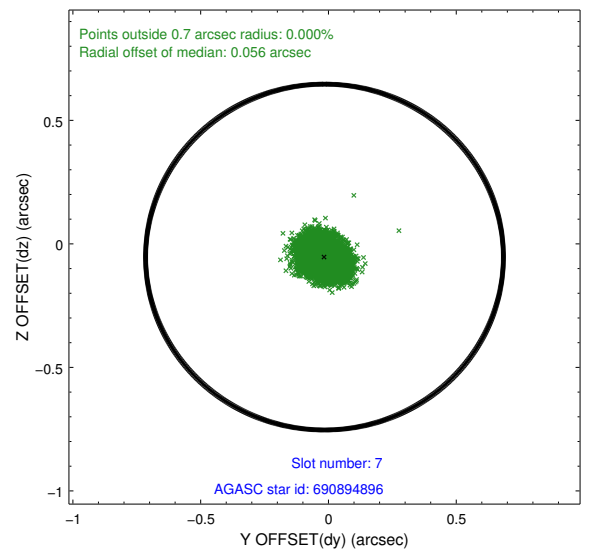
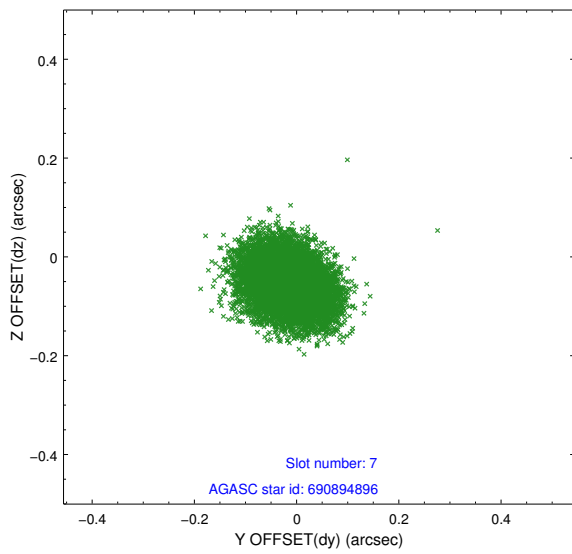
2.4.4 Slot 6



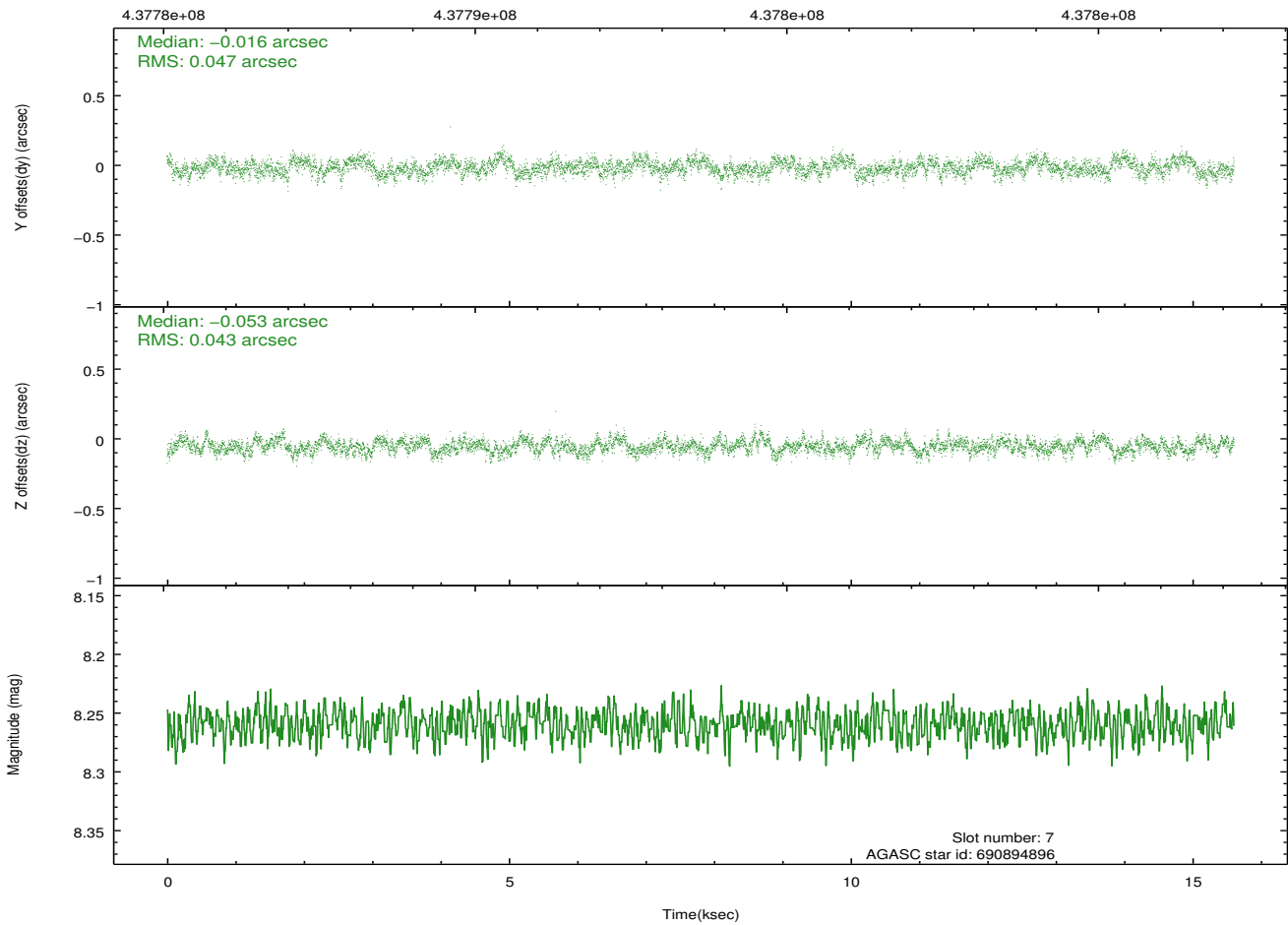
Time (s)



2.4.5 Slot 7

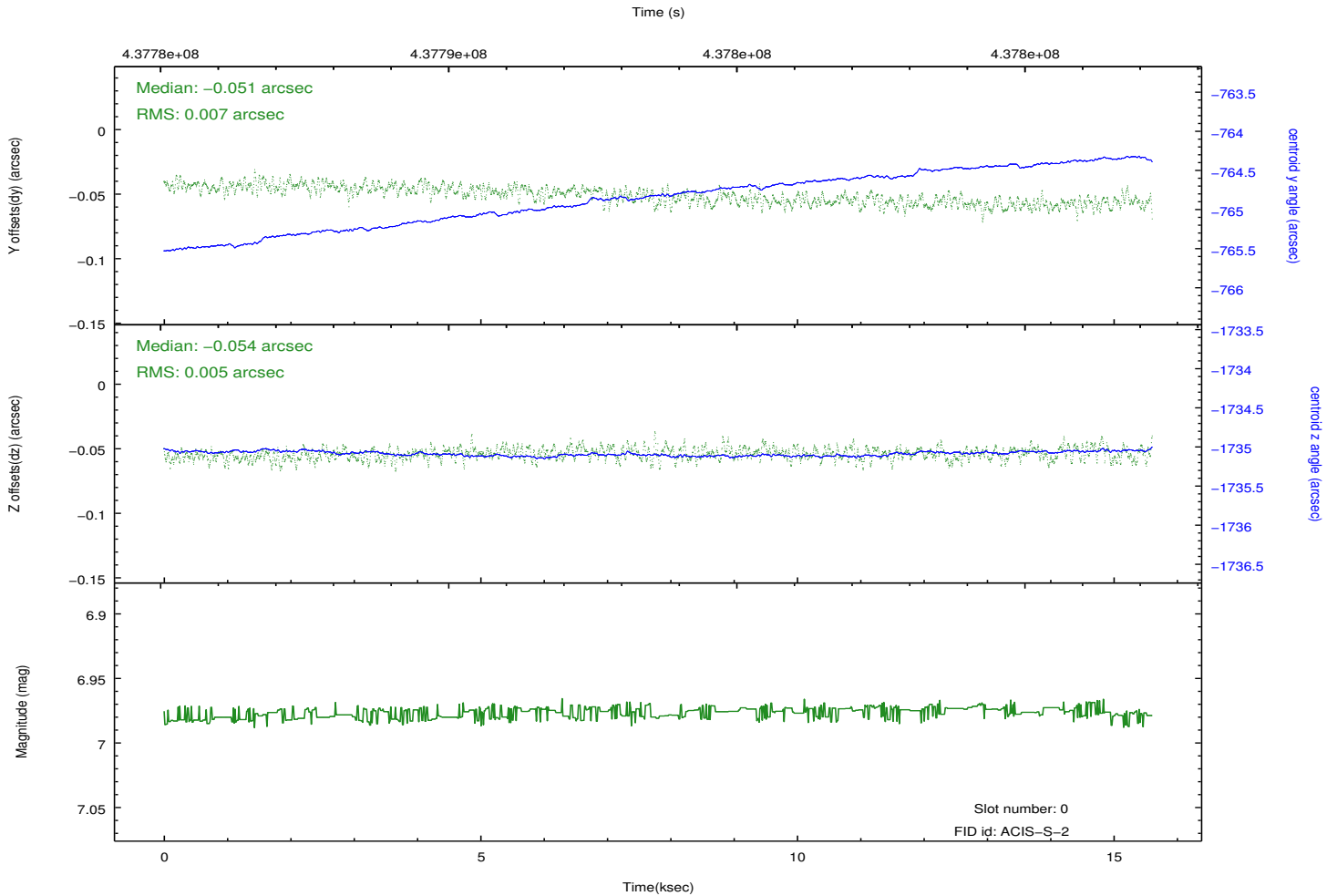
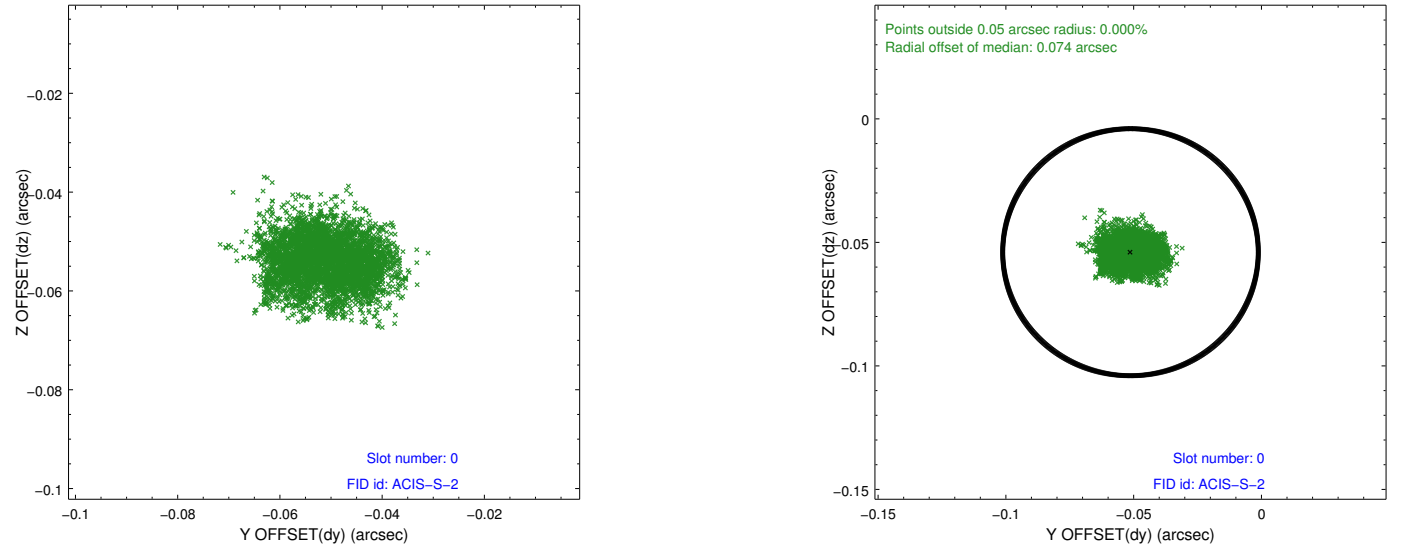


Time (s)

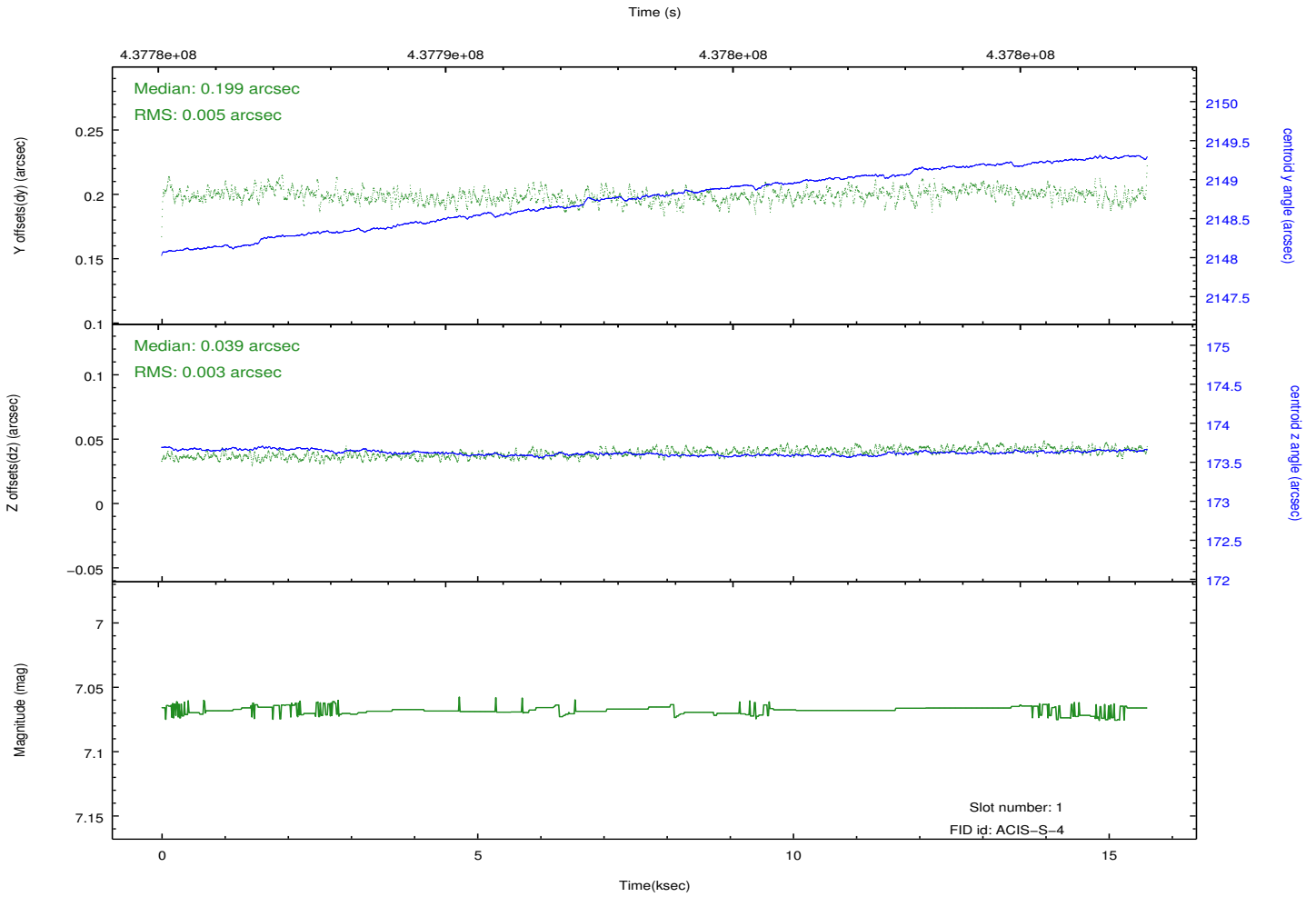
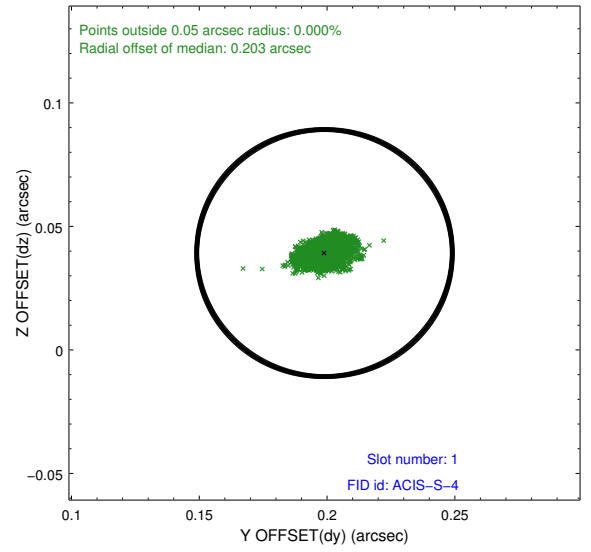
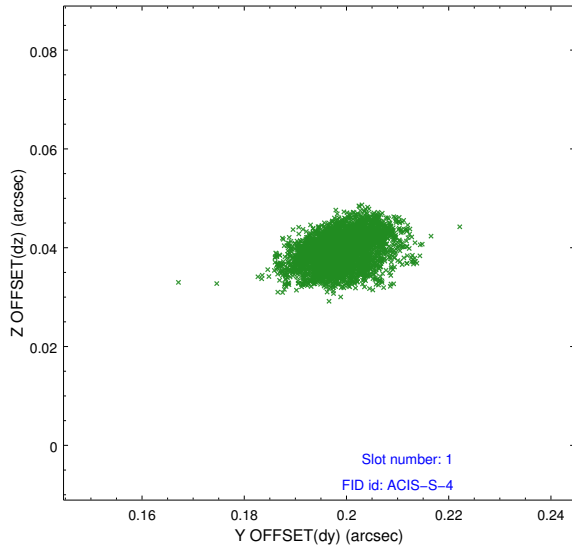


2.5 FID Slots

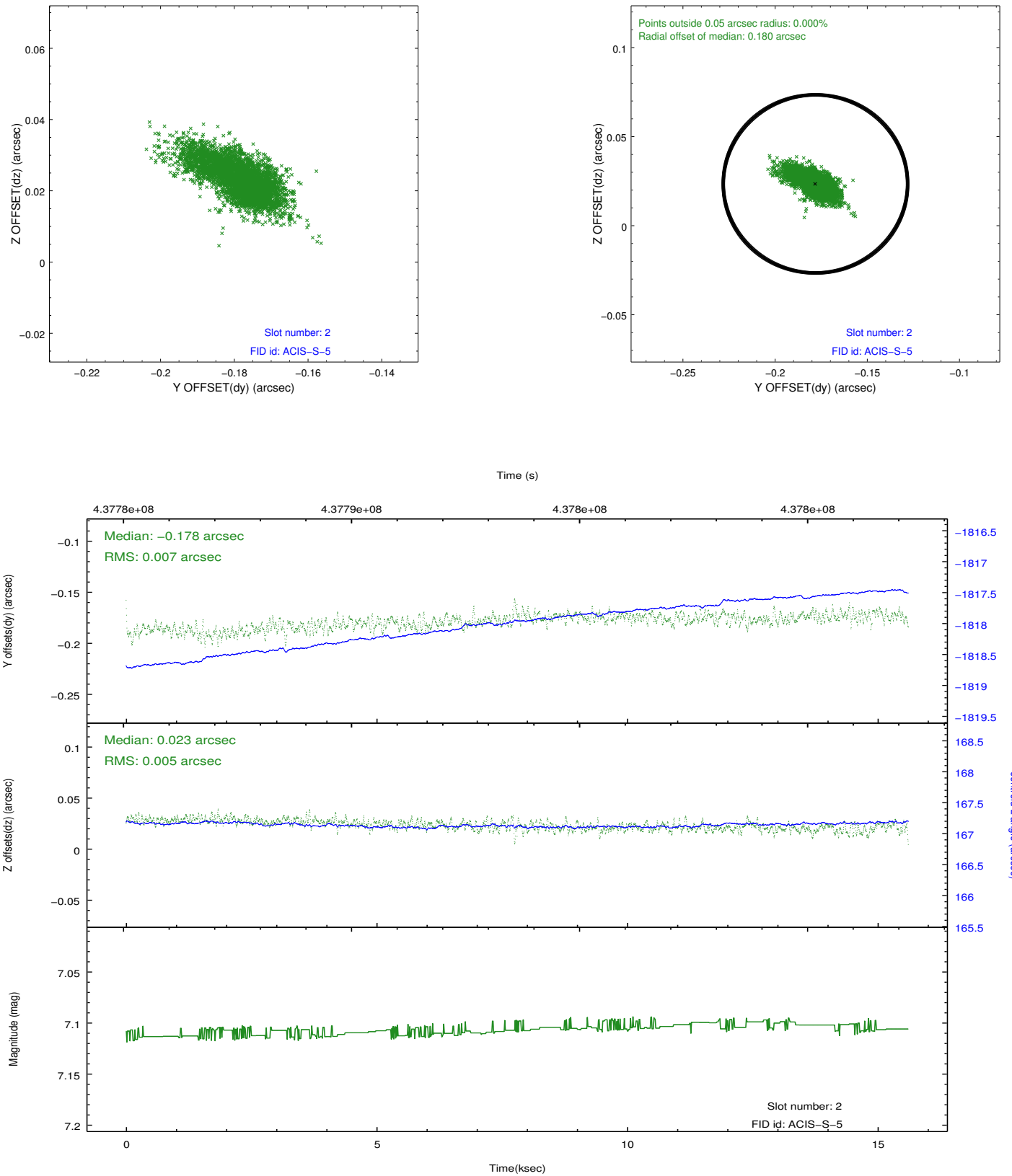
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.059800115824

A.2 Comments