

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8902 - L2 Version 2
Chandra X-Ray Center

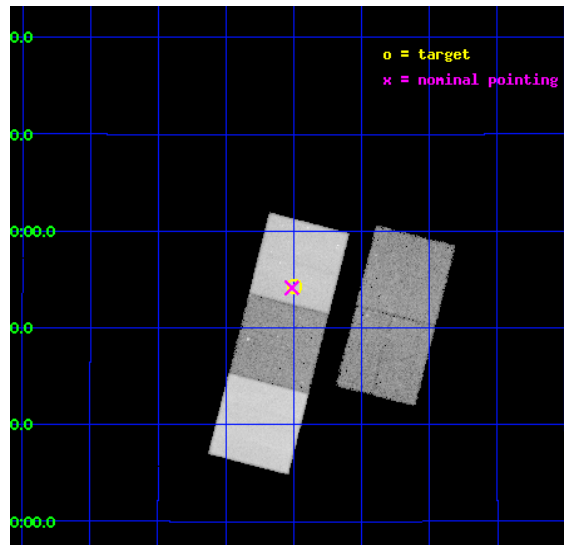
L2 Processing Date : May 6 2012

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1 Front

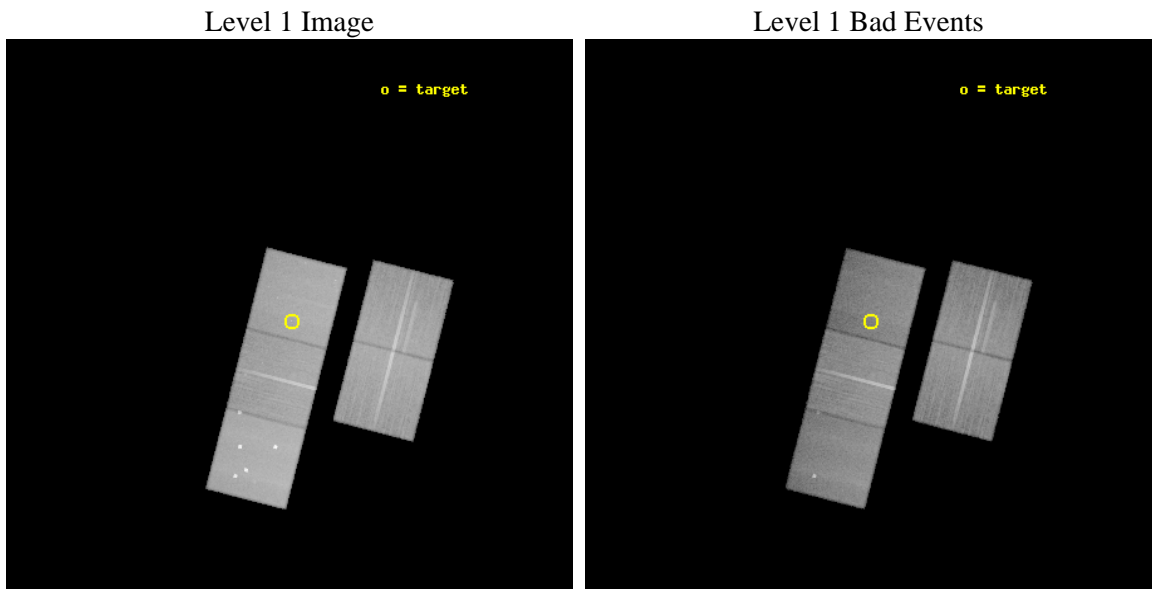
seq_num	200483	Sequence number
obs_id	8902	Observation id
title	The coroneae of ultracool dwarfs: Simultaneous X-ray and radio monitoring	Proposal title
observer	Dr Beate Stelzer	Principal investigator
object	LP412-31	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	50.249542	Observer's specified target RA [deg]
dec_targ	18.905731	Observer's specified target Dec [deg]
ra_nom	50.253236489331	Nominal RA [deg]
dec_nom	18.902363075863	Nominal Dec [deg]
roll_nom	284.35205682737	Nominal Roll [deg]
revision	2	Processing version of data
ontime	41158.700316548	Sum of GTIs [s]
livetime	40620.931596318	Livetime [s]
ontime2	41146.136385143	Sum of GTIs [s]
ontime3	41149.277365386	Sum of GTIs [s]
ontime5	41158.700316548	Sum of GTIs [s]
ontime6	41158.700316548	Sum of GTIs [s]
ontime7	41158.700316548	Sum of GTIs [s]
l2events	459928	Number of level 2 events



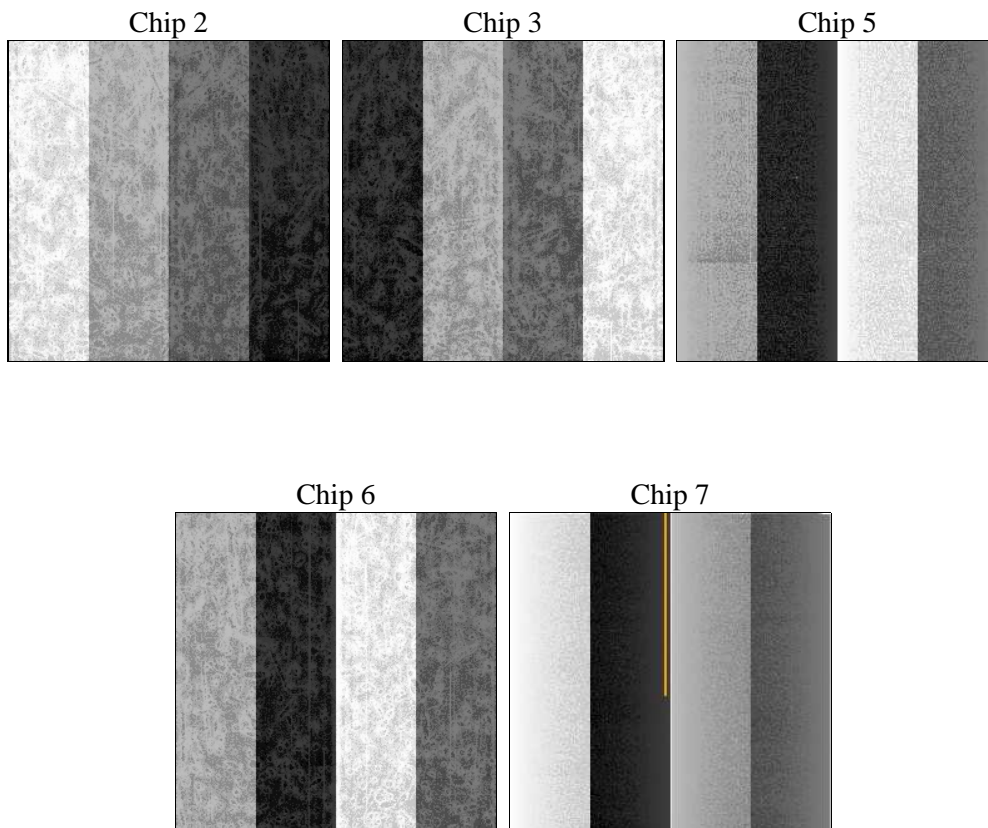
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	41000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	41158.700316548	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	41146.136385143	Sum of GTIs [s]
date	2012-05-06T14:44:21	Date and time of file creation	ontime3	41149.277365386	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	41158.700316548	Sum of GTIs [s]
			ontime6	41158.700316548	Sum of GTIs [s]
			ontime7	41158.700316548	Sum of GTIs [s]
			l1events	1850295	Number of level 1 events

2.1.4 Events

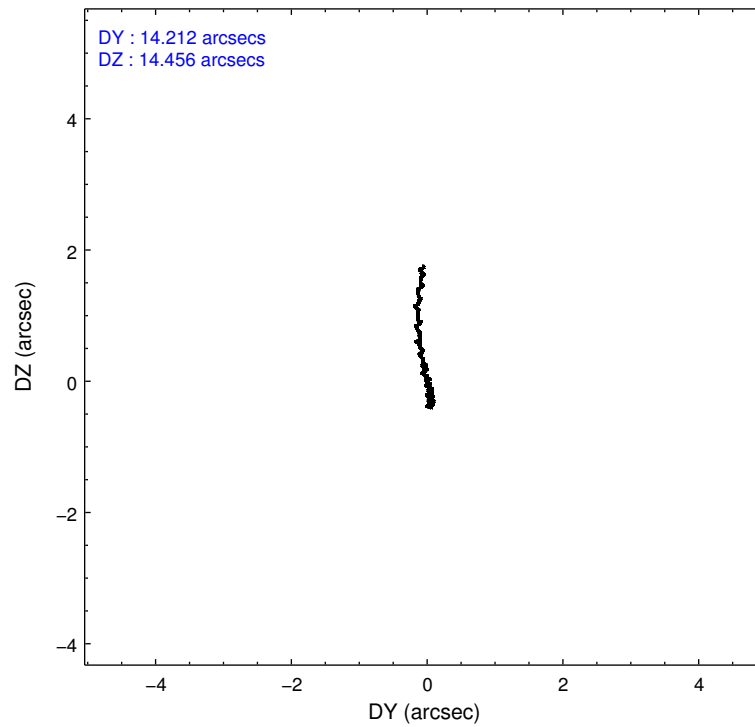
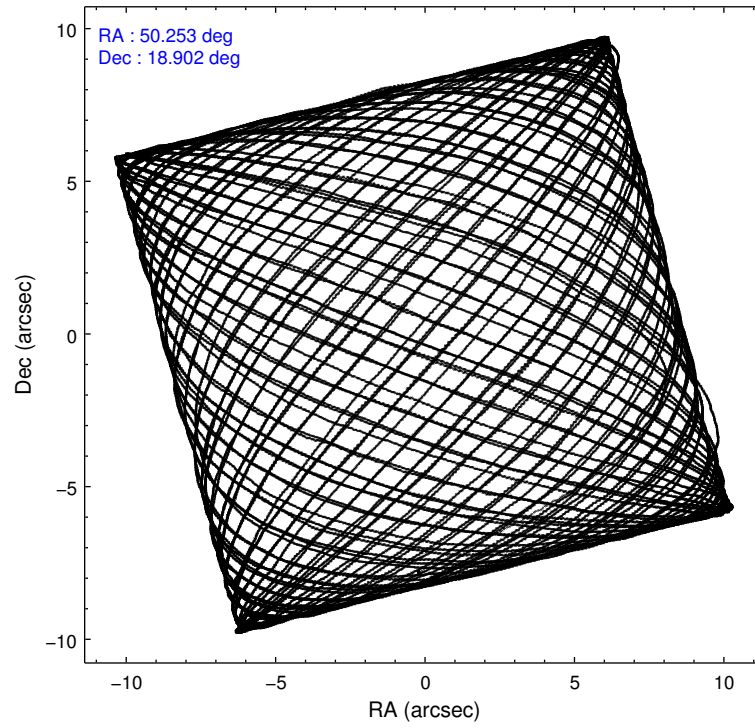
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	342066	318067	482551	335662	371949
rejected events	309921	287771	233958	301106	202550
rejected %	90%	90%	48%	89%	54%

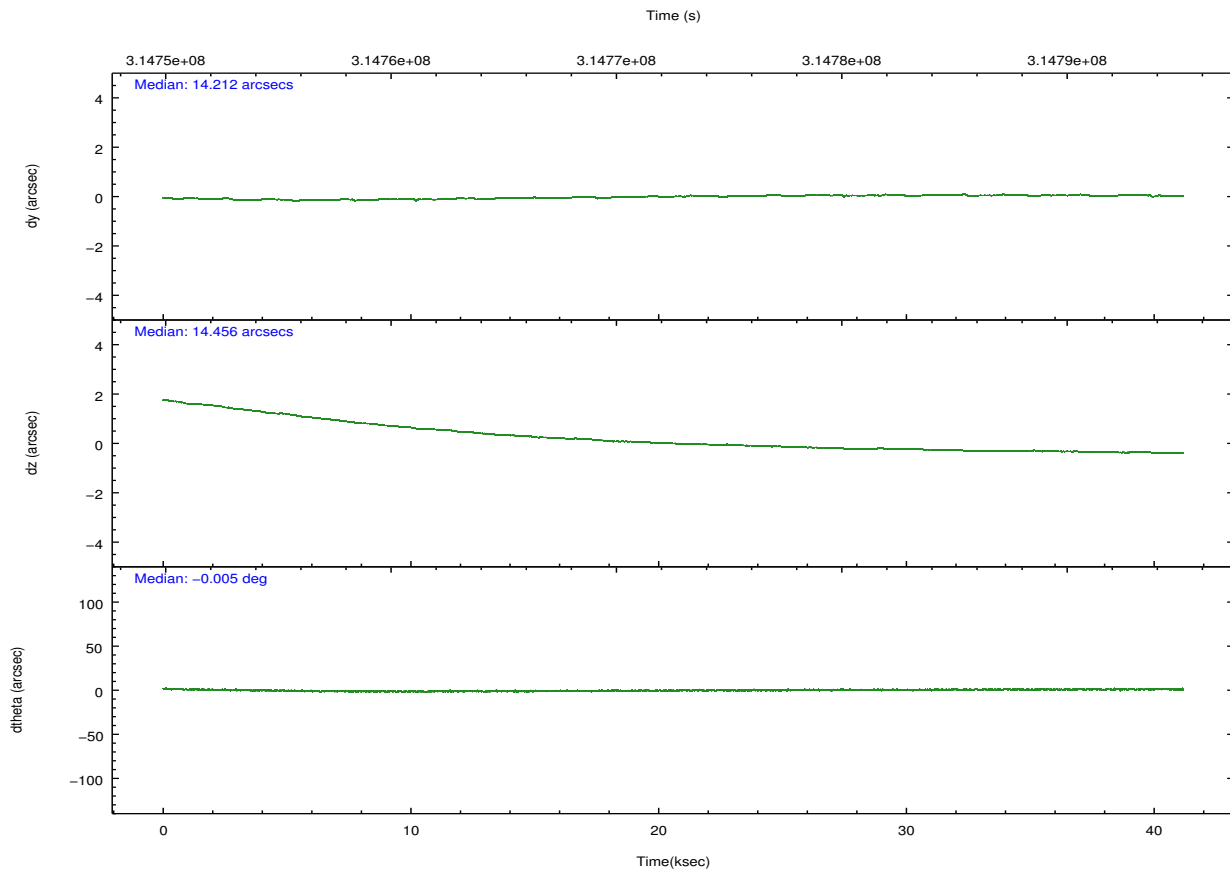
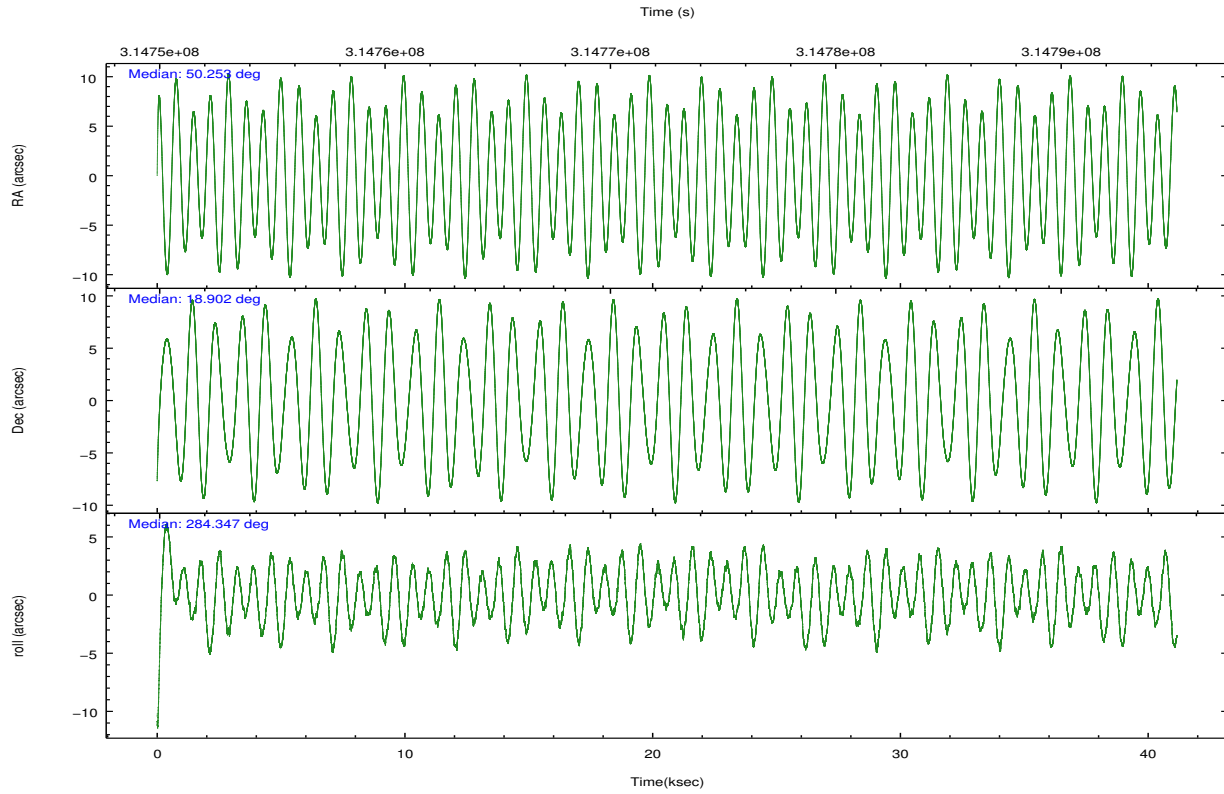
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	11703	10449	41466	12112	15474
	3%	3%	8%	3%	4%
grade 1 events	189	183	1044	135	462
	0%	0%	0%	0%	0%
grade 2 events	7538	6696	69828	7566	34308
	2%	2%	14%	2%	9%
grade 3 events	3420	3520	9541	3861	15584
	0%	1%	1%	1%	4%
grade 4 events	3555	3438	8731	3705	15513
	1%	1%	1%	1%	4%
grade 5 events	10487	13146	36436	13463	38875
	3%	4%	7%	4%	10%
grade 6 events	5959	6231	119329	7354	88732
	1%	1%	24%	2%	23%
grade 7 events	299215	274404	196176	287466	163001
	87%	86%	40%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	50.232745	50.25323648933114	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.921655	18.90236307586344	Alternating exposures requested	N	N
[deg] Pointing Roll	284.202075	284.3520568273699	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	314752098.184000	314751082.29006			
Observation start date	2007-12-22T23:07:13	2007-12-22T22:51:22			
[s] Observation end time (MET)	314793098.184000	314794427.49215			
Observation end date	2007-12-23T10:30:33	2007-12-23T10:53:47			
Read mode	TIMED	TIMED			

2.3 Aspect



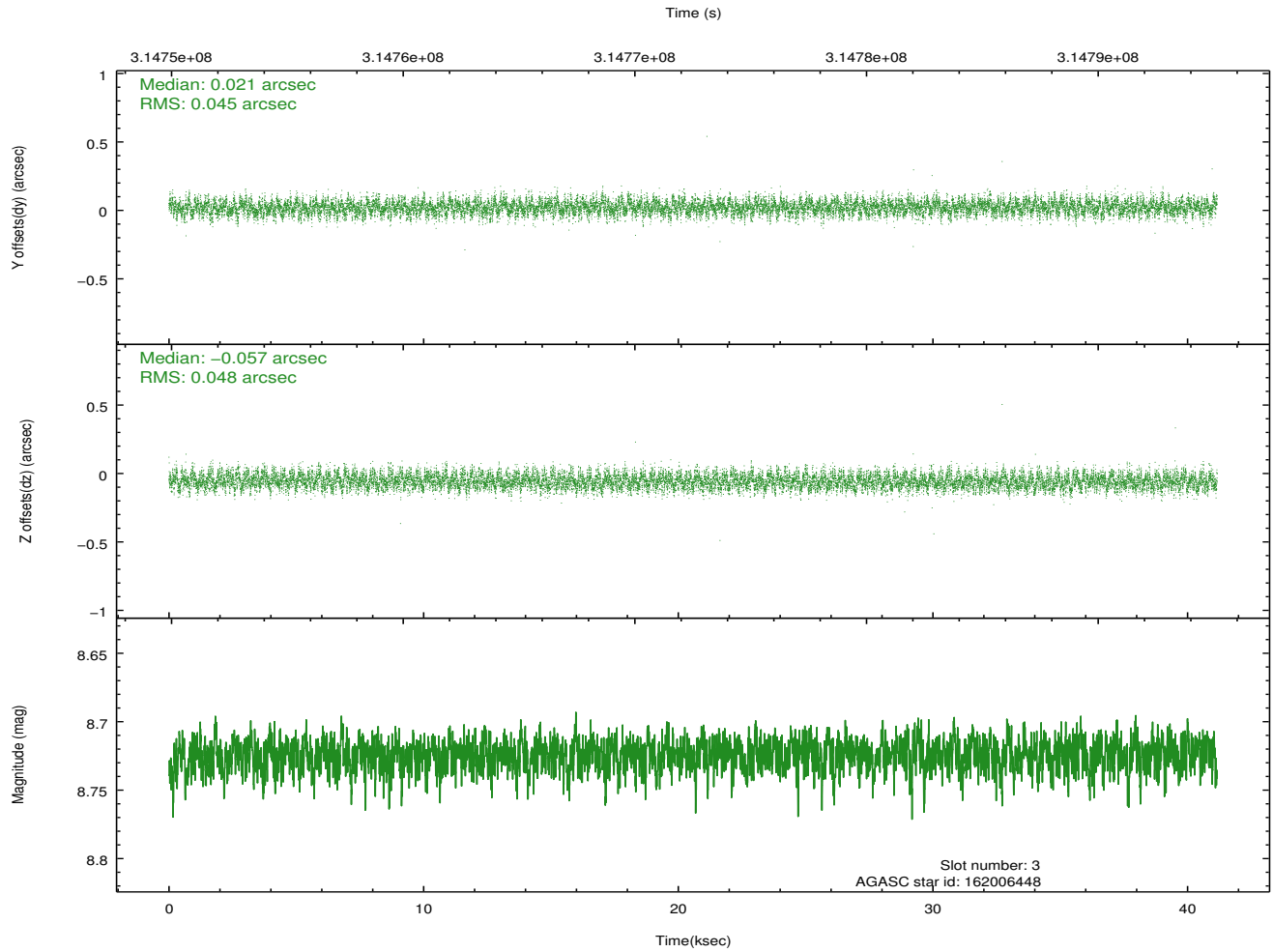
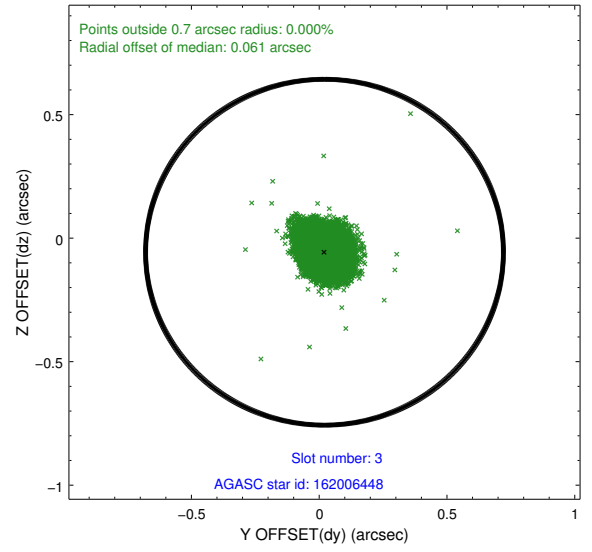
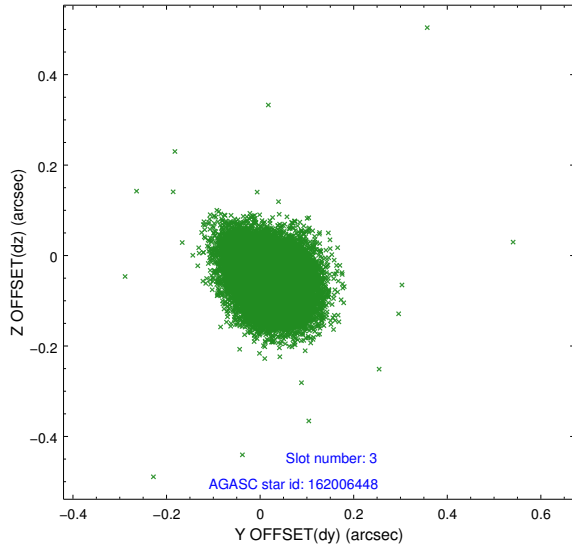


Slot Statistics

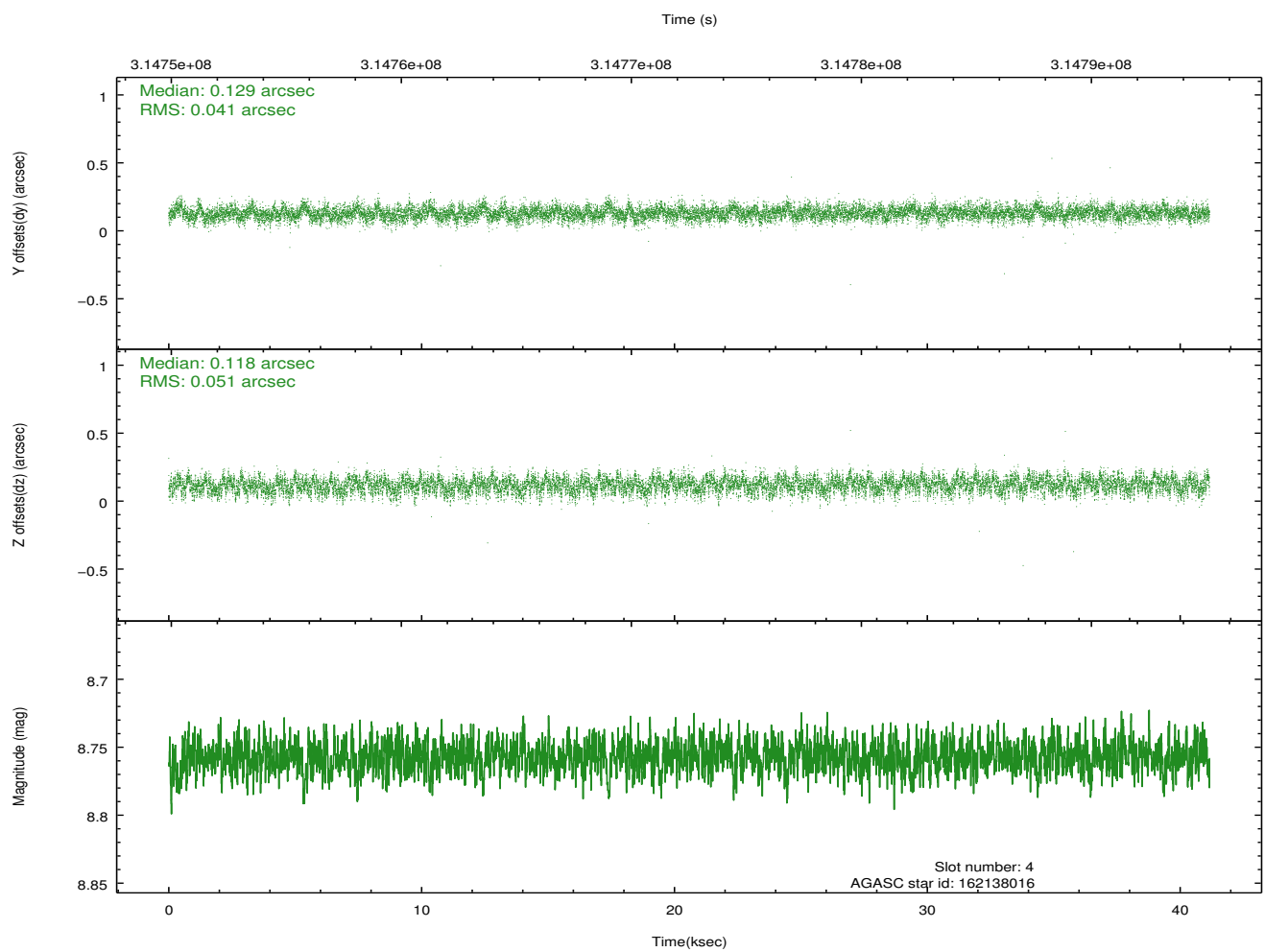
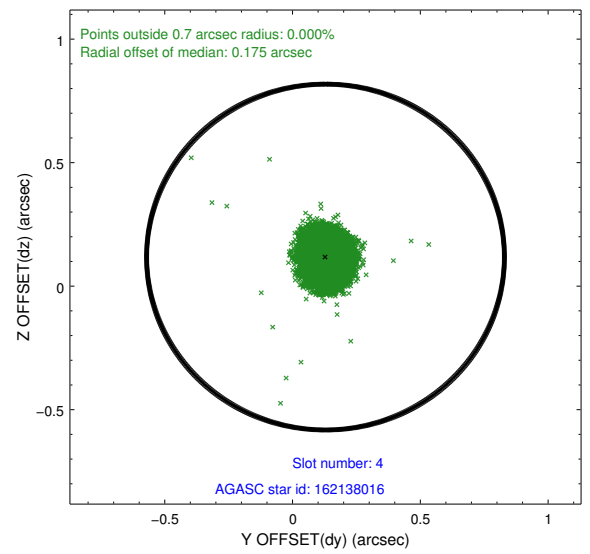
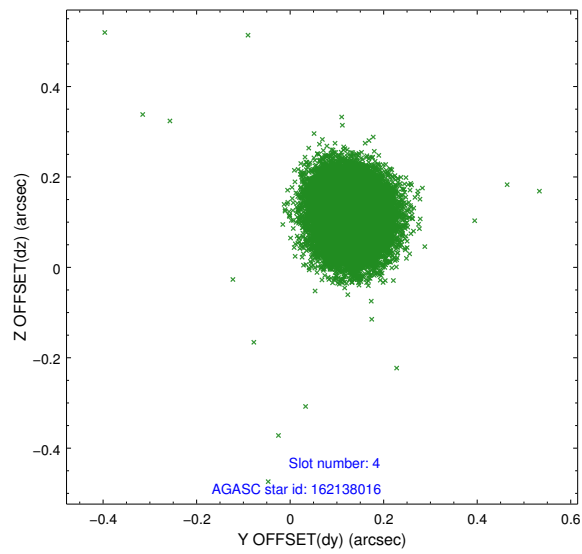
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	10040	0.035	-0.020	0.014	0.059	0.000000	0.000000	928.93	-1731.67
1	FID	ACIS-S-4	7.19	10039	0.144	0.002	0.012	0.035	0.000000	0.000000	2146.44	172.51
2	FID	ACIS-S-5	7.22	10040	-0.206	0.031	0.009	0.024	0.000000	0.000000	-1820.18	166.13
3	GUIDE	162006448	8.72	20070	0.021	-0.057	0.070	0.112	49.671906	18.472870	1094.42	-2251.63
4	GUIDE	162138016	8.76	20060	0.129	0.118	0.070	0.110	50.914804	18.555748	1844.17	1935.00
5	GUIDE	162535648	7.83	20007	0.030	-0.032	0.063	0.105	49.949007	19.076256	-776.57	-798.81
6	GUIDE	162661520	8.07	20075	-0.129	-0.003	0.069	0.108	50.255455	19.476258	-1915.98	564.99
7	GUIDE	162533968	8.75	20065	-0.056	-0.025	0.074	0.121	49.546972	19.102769	-1208.53	-2100.34

2.4 Star Slots

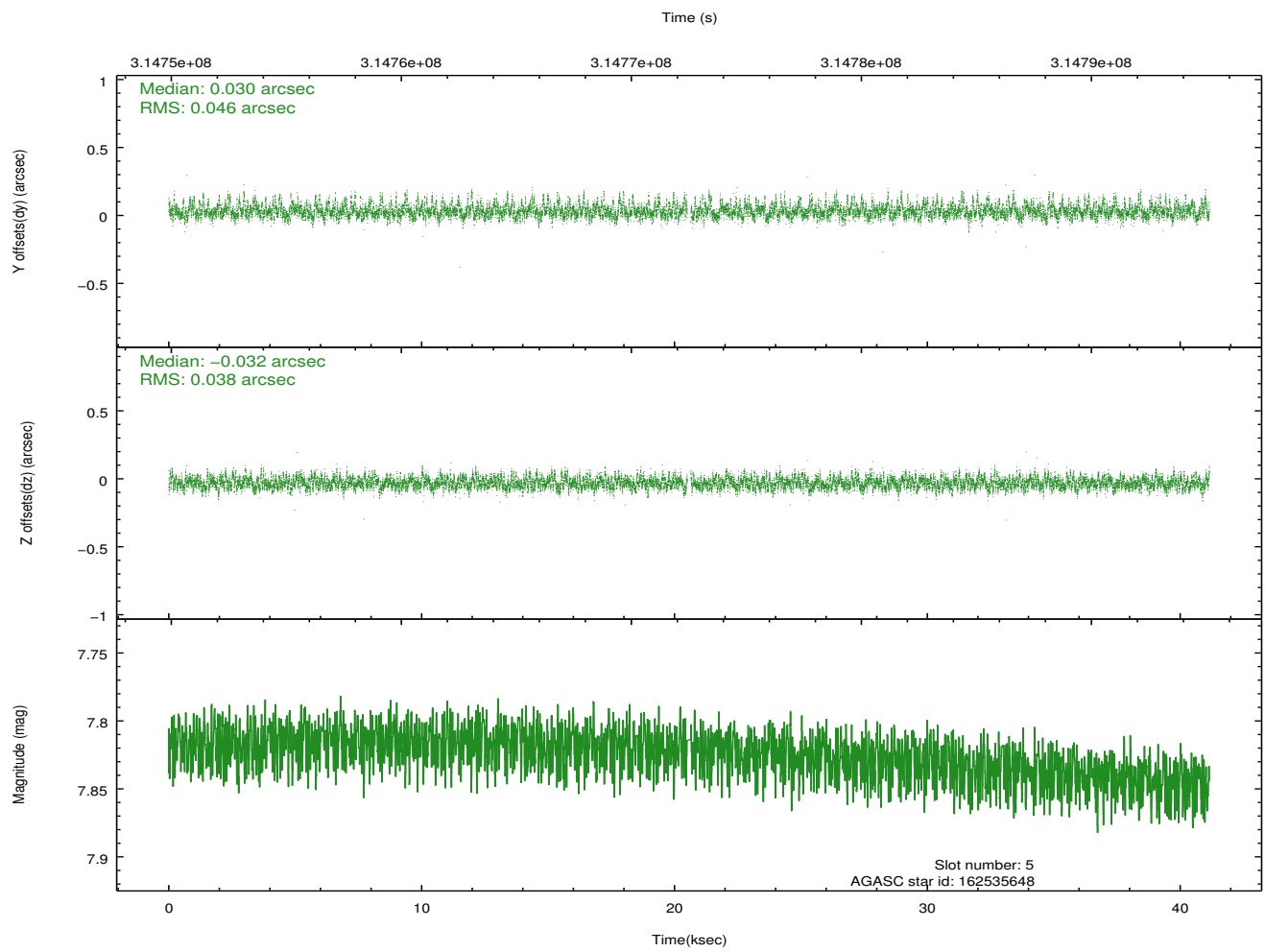
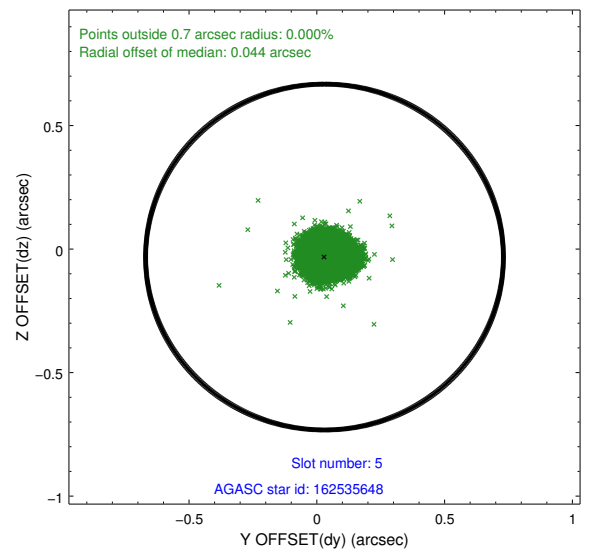
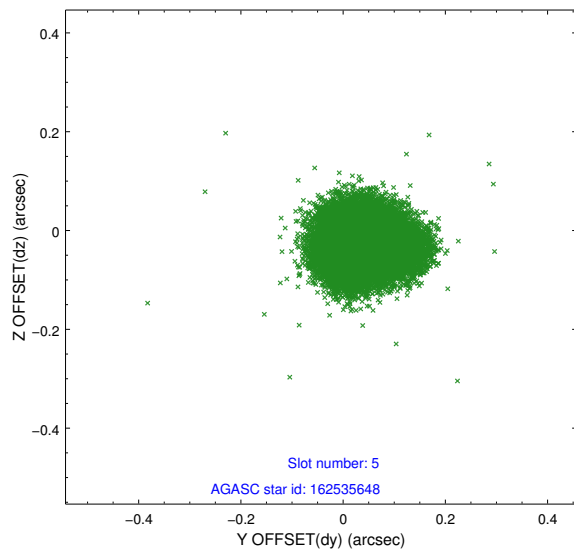
2.4.1 Slot 3



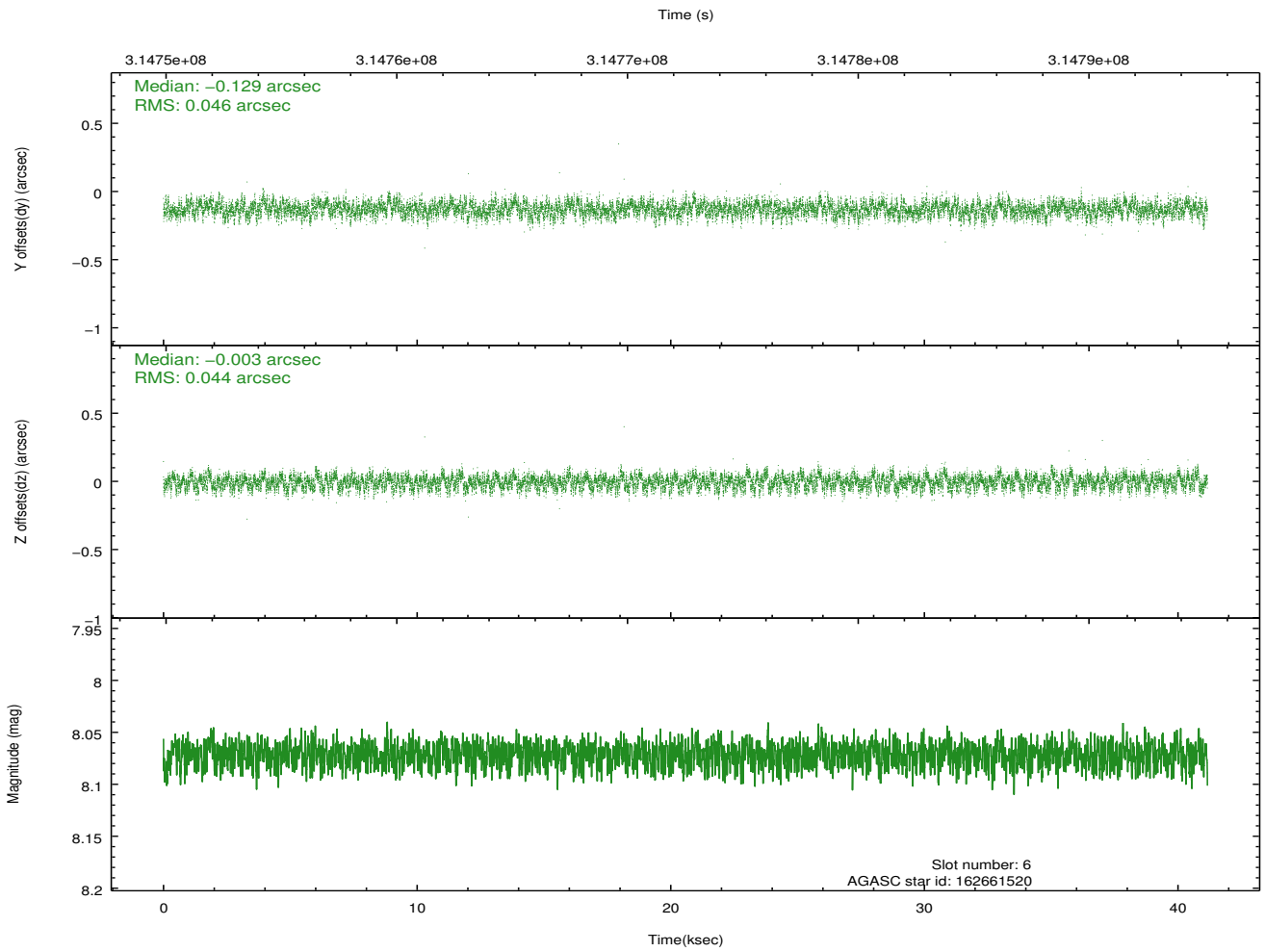
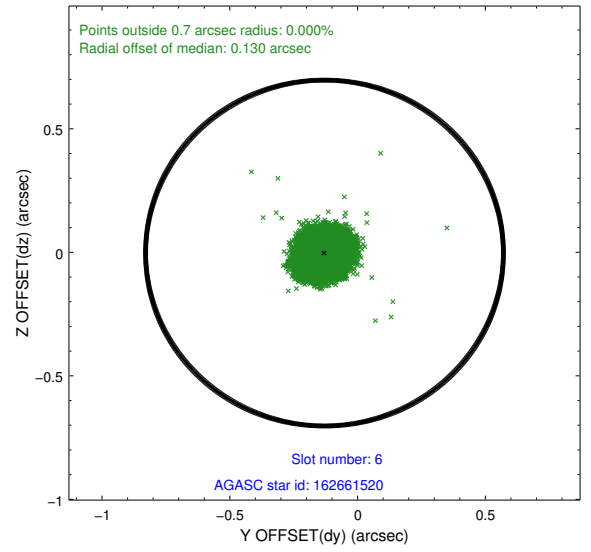
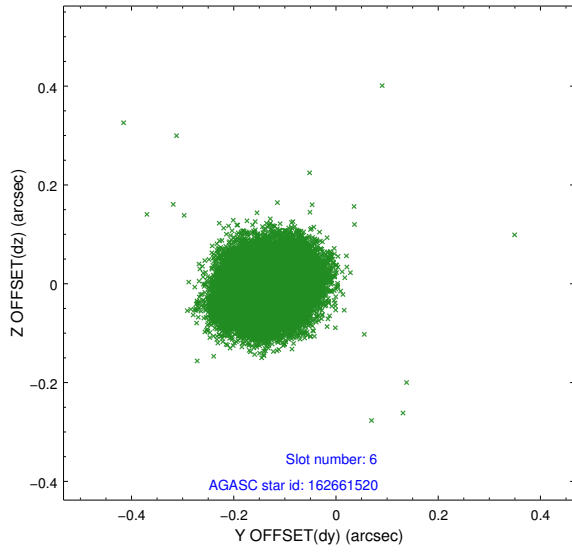
2.4.2 Slot 4



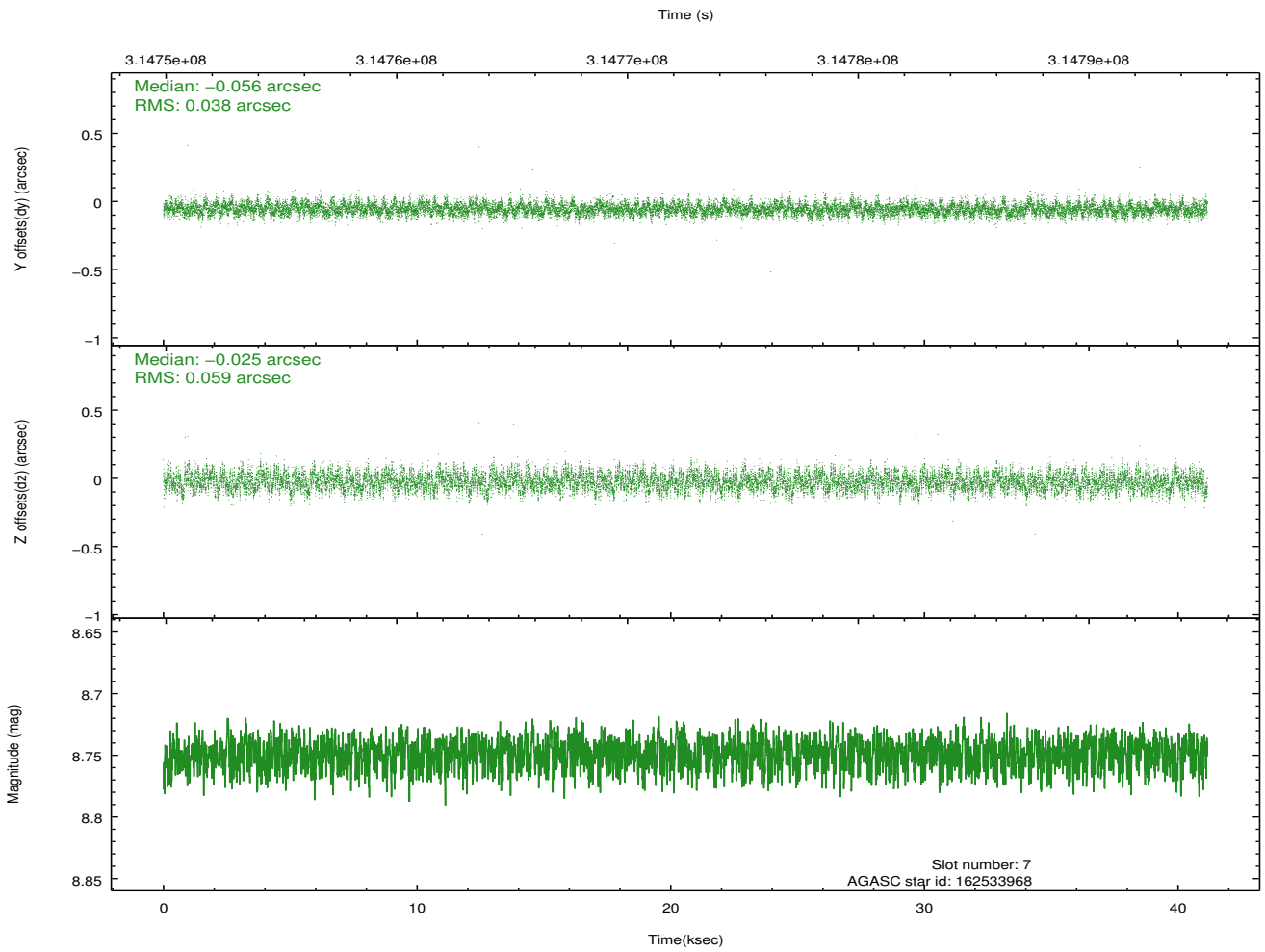
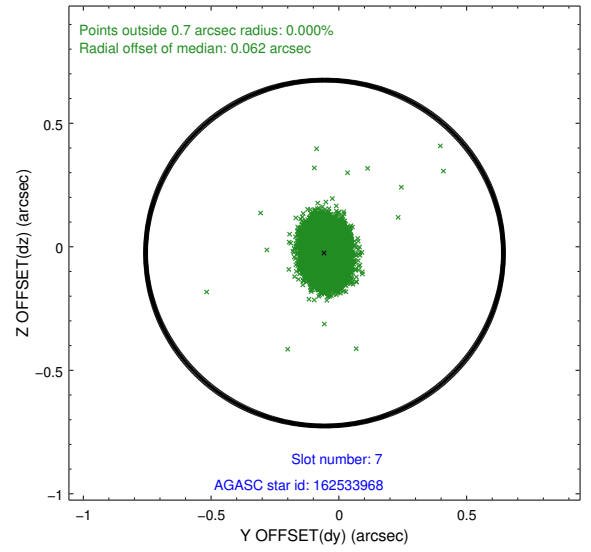
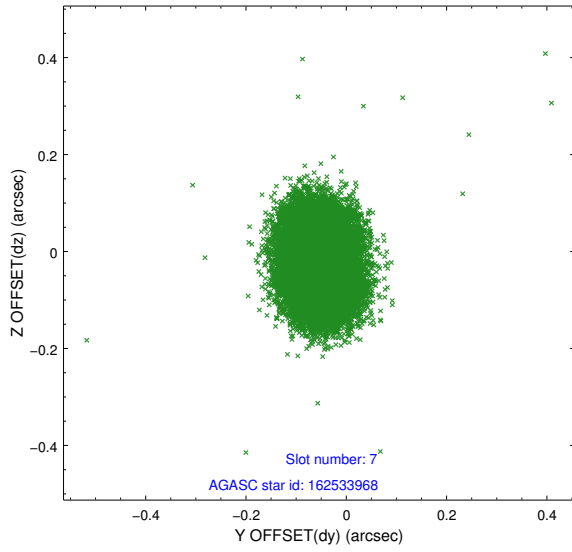
2.4.3 Slot 5



2.4.4 Slot 6

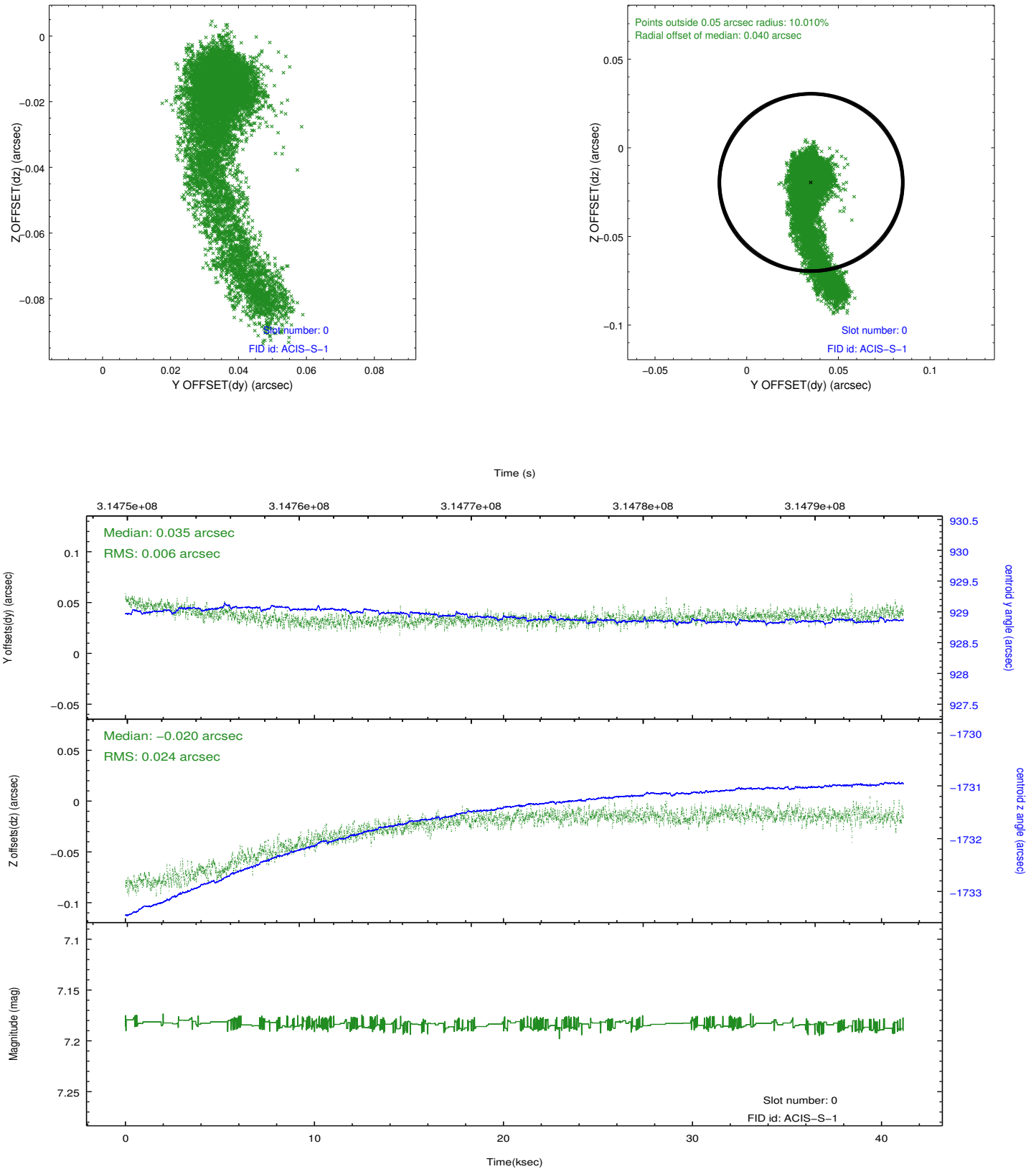


2.4.5 Slot 7

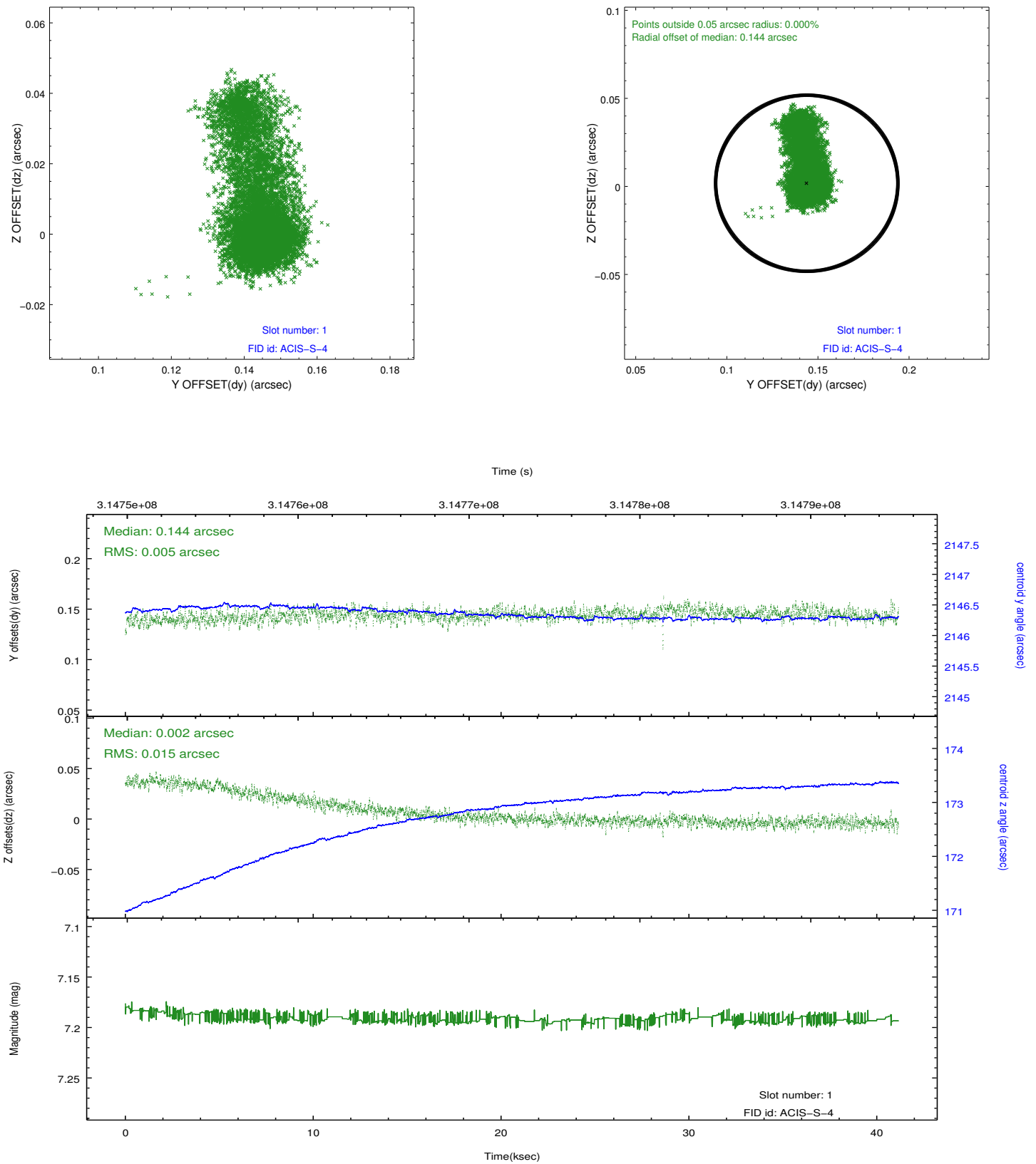


2.5 FID Slots

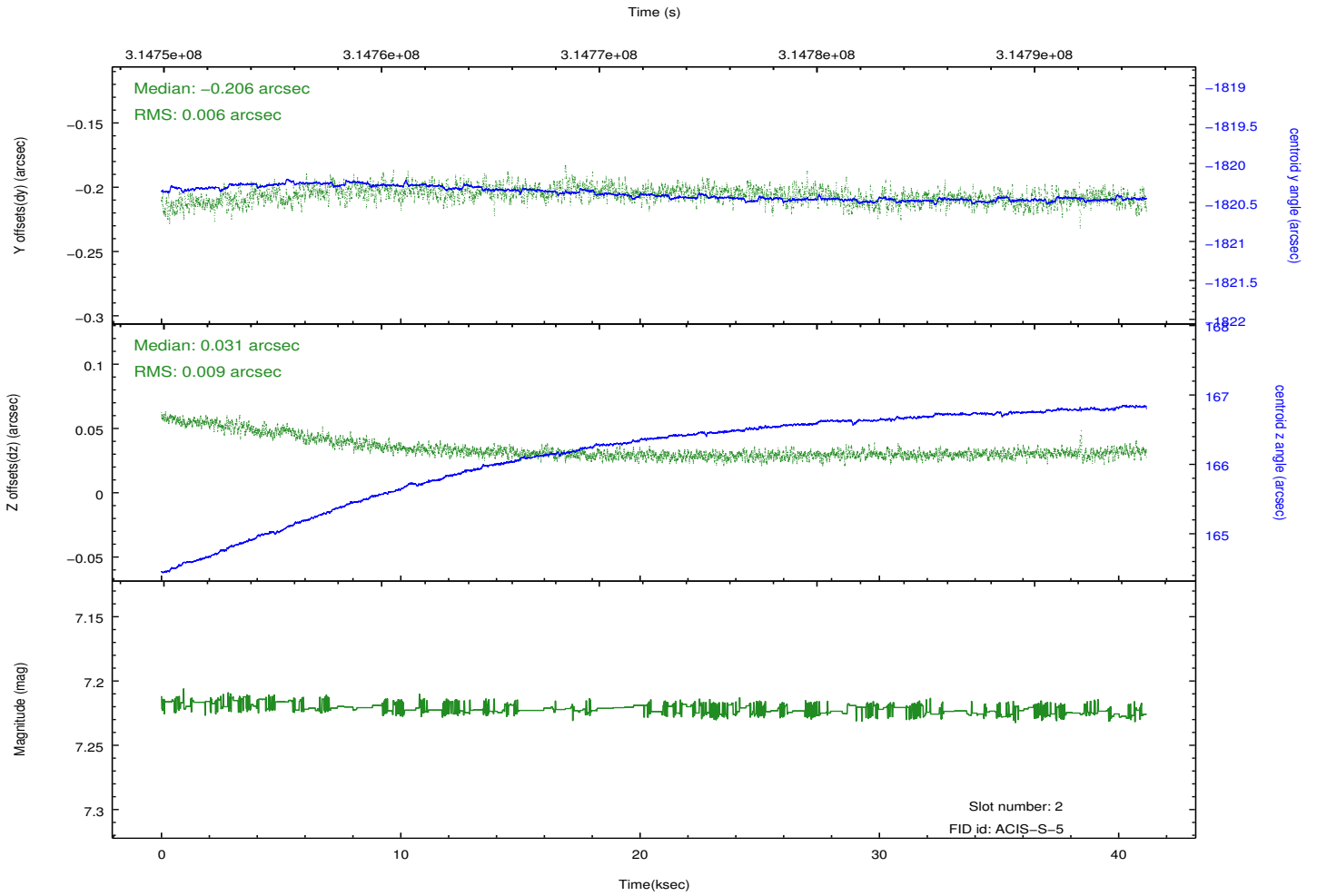
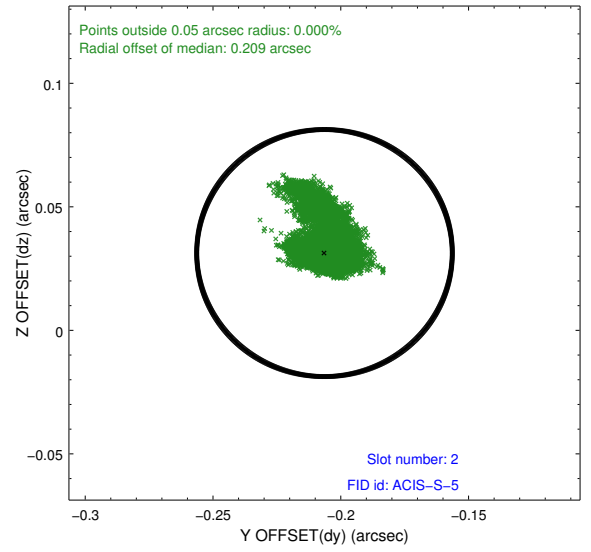
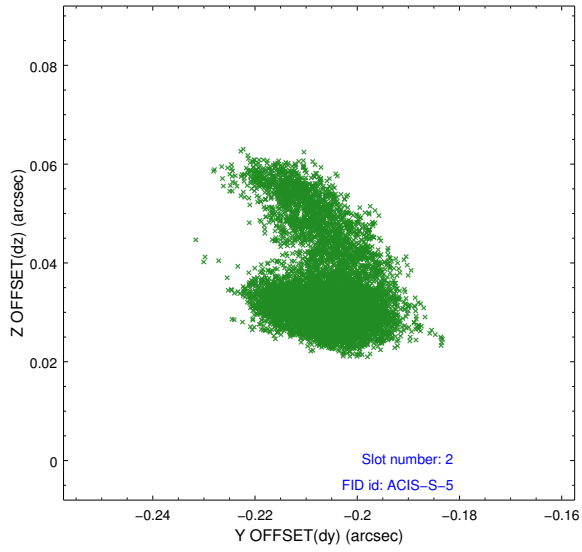
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.1587003

A.2 Comments

Joint Proposal: NRAO